

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049584.D
 Acq On : 06 Feb 2025 17:42
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 18:14:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	197368	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	728612	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	446218	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	846964	20.000	ng	0.00
76) Chrysene-d12	21.439	240	747530	20.000	ng	0.00
86) Perylene-d12	24.468	264	624371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	736783	60.031	ng	0.00
7) Phenol-d6	6.975	99	984094	61.201	ng	0.00
23) Nitrobenzene-d5	8.975	82	871704	61.539	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	272944	51.622	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2002013	58.122	ng	0.00
79) Terphenyl-d14	19.827	244	2935831	59.973	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	46605	9.031	ng	98
3) Pyridine	3.693	79	238587	16.638	ng	97
4) n-Nitrosodimethylamine	3.599	42	117565	17.522	ng	93
6) Aniline	7.146	93	311894	20.465	ng	99
8) 2-Chlorophenol	7.387	128	198591	16.204	ng	99
9) Benzaldehyde	6.957	77	108439m	12.736	ng	
10) Phenol	7.005	94	267086	16.864	ng	96
11) bis(2-Chloroethyl)ether	7.246	93	219042	17.095	ng	97
12) 1,3-Dichlorobenzene	7.716	146	244778	17.207	ng	99
13) 1,4-Dichlorobenzene	7.857	146	246985	17.165	ng	99
14) 1,2-Dichlorobenzene	8.175	146	237992	17.130	ng	100
15) Benzyl Alcohol	8.057	79	173710	15.528	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.352	45	326984	18.957	ng	98
17) 2-Methylphenol	8.257	107	161589	16.686	ng	98
18) Hexachloroethane	8.910	117	87837	16.713	ng	97
19) n-Nitroso-di-n-propyla...	8.628	70	173598	16.487	ng	98
20) 3+4-Methylphenols	8.581	107	205525	16.077	ng	97
22) Acetophenone	8.640	105	170962	8.712	ng	# 95
24) Nitrobenzene	9.016	77	247039	17.950	ng	98
25) Isophorone	9.546	82	443078	17.344	ng	99
26) 2-Nitrophenol	9.728	139	48815	13.653	ng	98
27) 2,4-Dimethylphenol	9.793	122	159122	19.699	ng	98
28) bis(2-Chloroethoxy)met...	10.034	93	272008	16.532	ng	99
29) 2,4-Dichlorophenol	10.263	162	162022	14.565	ng	97
30) 1,2,4-Trichlorobenzene	10.487	180	221378	16.244	ng	97
31) Naphthalene	10.669	128	621268	16.167	ng	99
32) Benzoic acid	9.834	122	16472m	9.025	ng	
33) 4-Chloroaniline	10.769	127	252461	17.552	ng	98
34) Hexachlorobutadiene	10.969	225	137195	16.810	ng	98
35) Caprolactam	11.516	113	20781	6.124	ng	98
36) 4-Chloro-3-methylphenol	11.892	107	157955	14.238	ng	99
37) 2-Methylnaphthalene	12.287	142	406315	15.018	ng	97
38) 1-Methylnaphthalene	12.504	142	401340	15.246	ng	98
40) 1,2,4,5-Tetrachloroben...	12.651	216	124374	8.478	ng	99
41) Hexachlorocyclopentadiene	12.645	237	70739	18.888	ng	100
43) 2,4,6-Trichlorophenol	12.887	196	109111	13.629	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	128761	14.635	ng	99
46) 1,1'-Biphenyl	13.298	154	283152	8.318	ng	98
47) 2-Chloronaphthalene	13.334	162	443625	16.844	ng	98
48) 2-Nitroaniline	13.528	65	94451	15.629	ng	96
49) Acenaphthylene	14.181	152	679036	17.485	ng	100
50) Dimethylphthalate	13.922	163	497489	15.525	ng	100
51) 2,6-Dinitrotoluene	14.028	165	87705	15.817	ng	91
52) Acenaphthene	14.528	154	407074	15.792	ng	95
53) 3-Nitroaniline	14.351	138	93450	16.553	ng	93
54) 2,4-Dinitrophenol	14.557	184	11921	14.975	ng	91
55) Dibenzofuran	14.863	168	648161	15.791	ng	99
56) 4-Nitrophenol	14.645	139	57613	12.106	ng	96
57) 2,4-Dinitrotoluene	14.810	165	107685	17.598	ng	95
58) Fluorene	15.510	166	542703	15.456	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.080	232	109561m	14.740	ng	
60) Diethylphthalate	15.286	149	484662	15.049	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	283756	15.183	ng	97
62) 4-Nitroaniline	15.510	138	100354	15.872	ng	91
63) Azobenzene	15.798	77	562354	16.729	ng	95
65) 4,6-Dinitro-2-methylph...	15.575	198	20599	14.743	ng	91
66) n-Nitrosodiphenylamine	15.716	169	425458	15.928	ng	99
67) 4-Bromophenyl-phenylether	16.398	248	153305	15.580	ng	97
68) Hexachlorobenzene	16.510	284	180987	16.026	ng	97
69) Atrazine	16.669	200	59719	7.521	ng	99
70) Pentachlorophenol	16.851	266	60909	14.933	ng	96
71) Phenanthrene	17.245	178	772823	16.017	ng	100
72) Anthracene	17.333	178	765624	16.025	ng	100
73) Carbazole	17.598	167	677282	16.152	ng	99
74) Di-n-butylphthalate	18.186	149	722900	13.586	ng	99
75) Fluoranthene	19.257	202	821250	14.538	ng	99
77) Benzidine	19.439	184	61559	9.299	ng	98
78) Pyrene	19.621	202	850322	15.192	ng	99
80) Butylbenzylphthalate	20.533	149	158848	9.120	ng	98
81) Benzo(a)anthracene	21.421	228	804726	15.884	ng	100
82) 3,3'-Dichlorobenzidine	21.345	252	76924	5.643	ng	94
83) Chrysene	21.486	228	757636	15.962	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	319192	10.690	ng	98
85) Di-n-octyl phthalate	22.539	149	403005	8.556	ng	# 93
87) Indeno(1,2,3-cd)pyrene	27.886	276	545393	15.995	ng	98
88) Benzo(b)fluoranthene	23.515	252	638837	14.873	ng	98
89) Benzo(k)fluoranthene	23.580	252	647756	15.527	ng	100
90) Benzo(a)pyrene	24.327	252	548970	16.128	ng	100
91) Dibenzo(a,h)anthracene	27.962	278	412568	15.309	ng	97
92) Benzo(g,h,i)perylene	28.950	276	448387	14.894	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

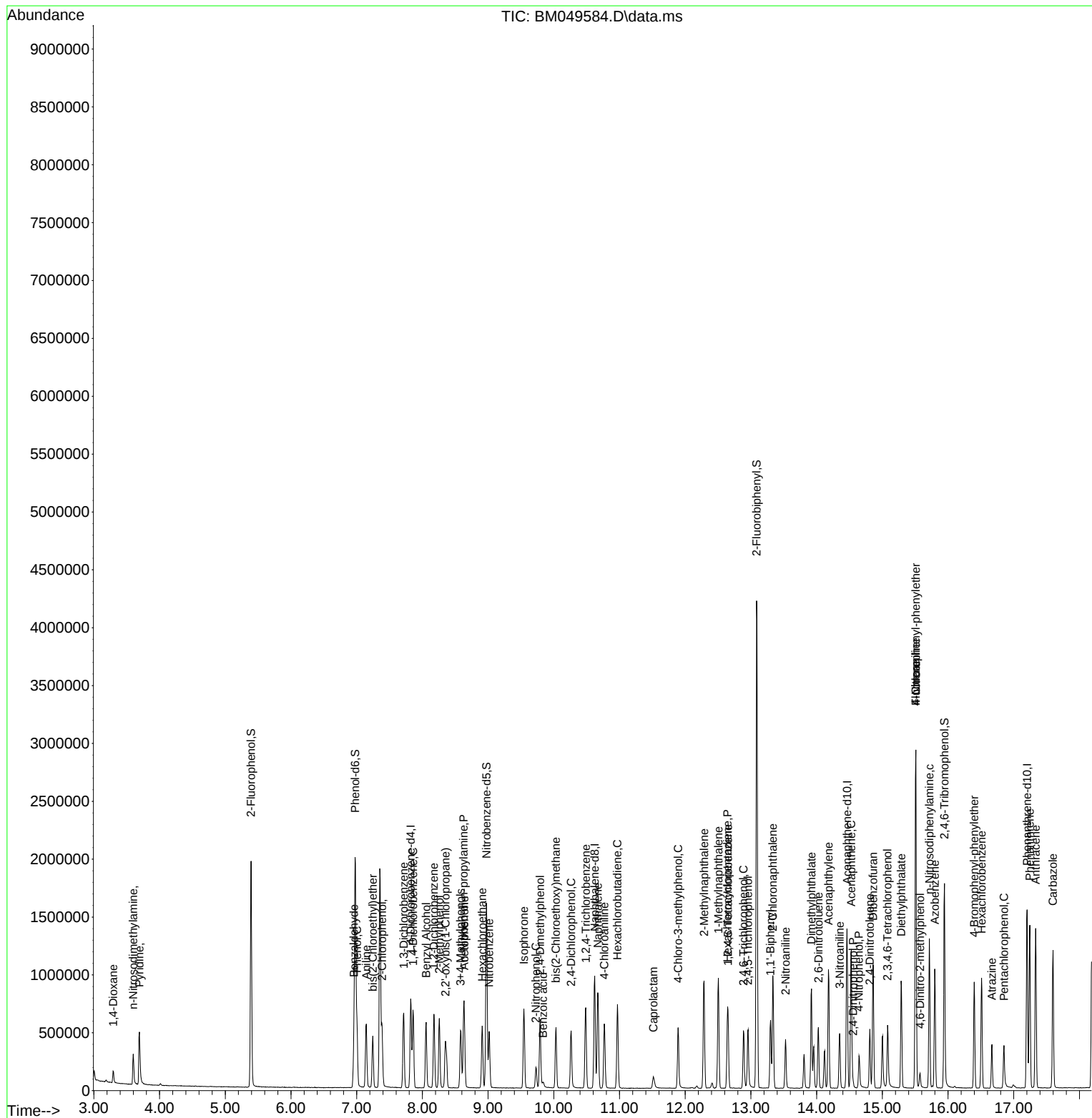
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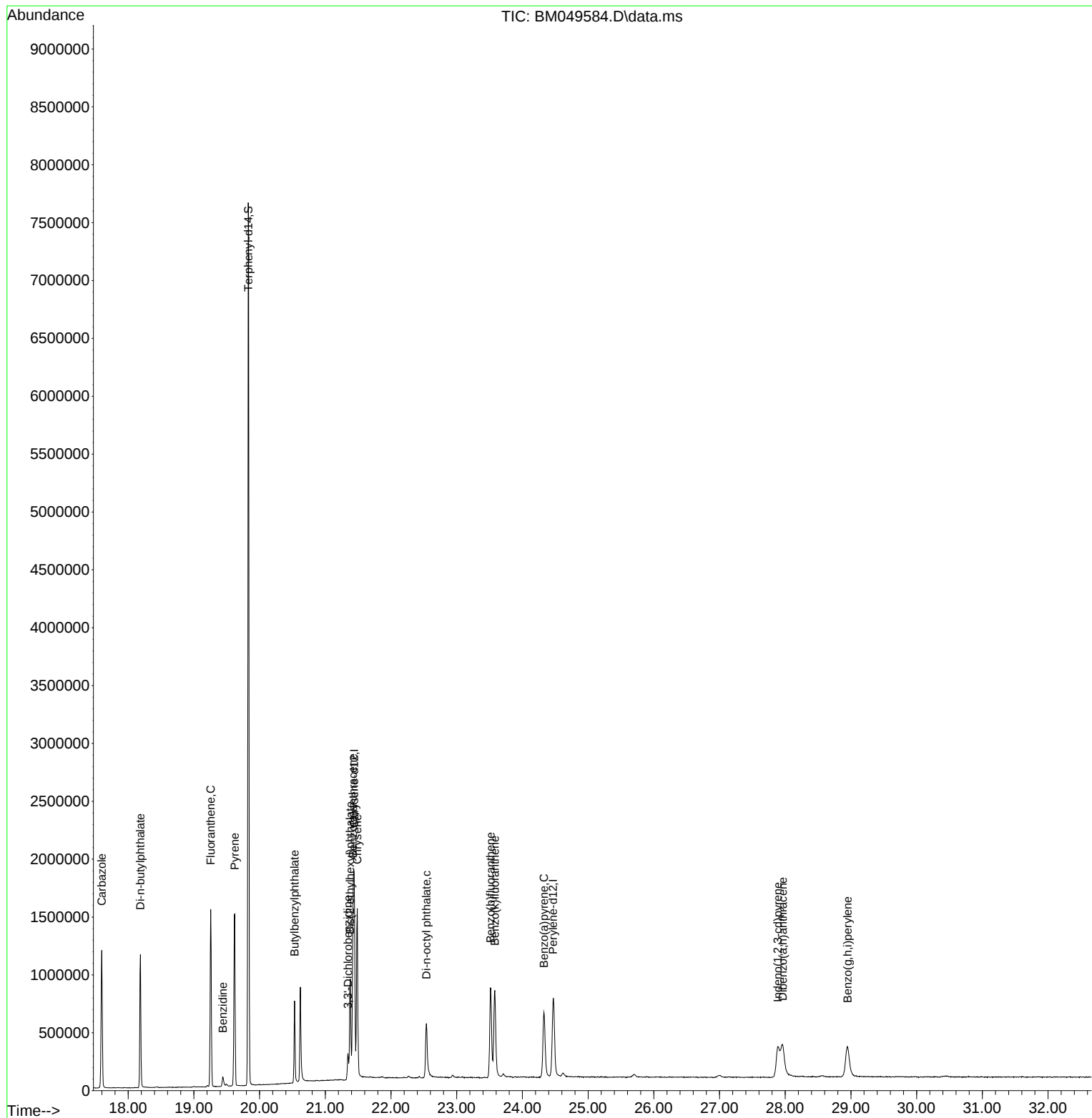
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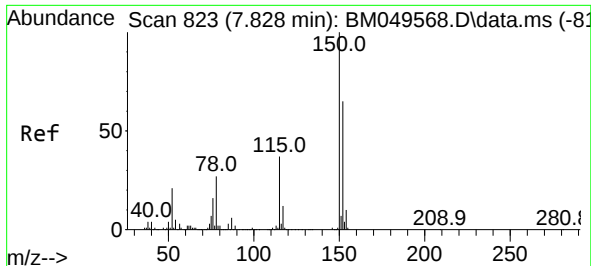
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ClientSampleId :
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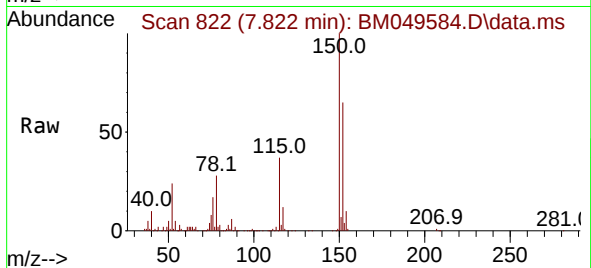
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

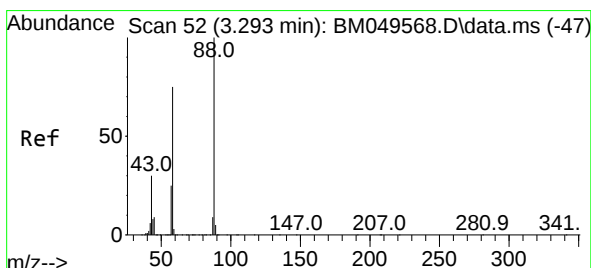
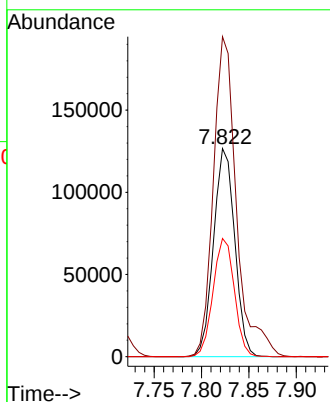
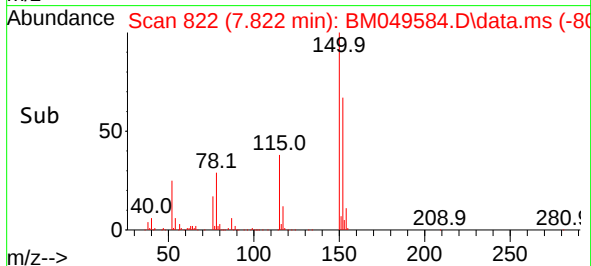
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 197368
Ion Ratio Lower Upper
152 100
150 153.7 122.6 184.0
115 56.8 45.4 68.0

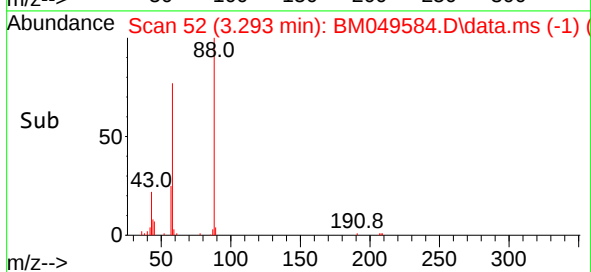
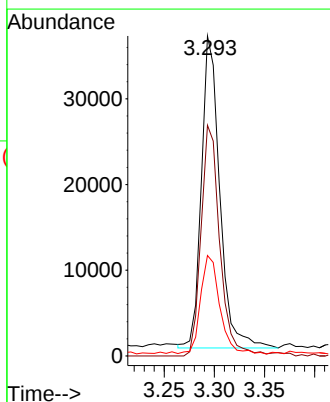
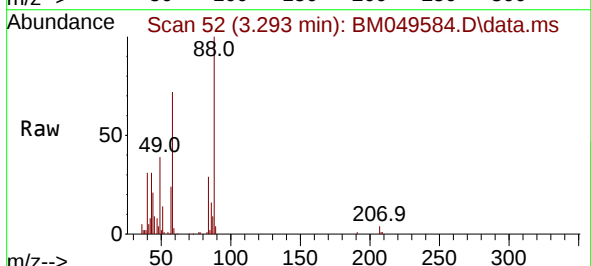
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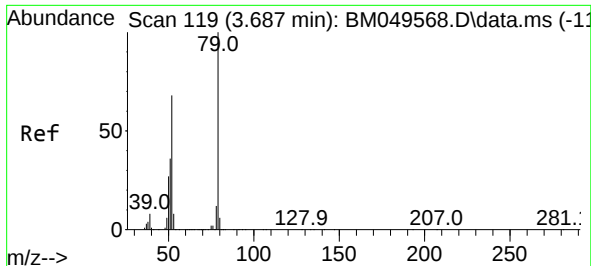
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#2
1,4-Dioxane
Concen: 9.031 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

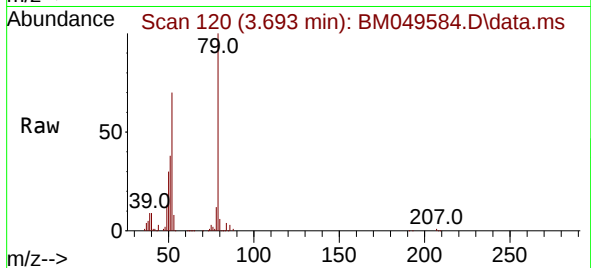
Tgt Ion: 88 Resp: 46605
Ion Ratio Lower Upper
88 100
58 75.2 60.0 90.0
43 33.1 24.4 36.6





#3
Pyridine
Concen: 16.638 ng
RT: 3.693 min Scan# 119
Delta R.T. 0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

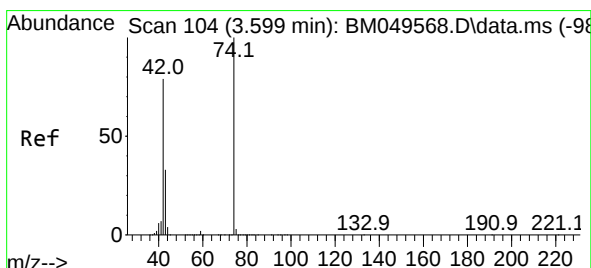
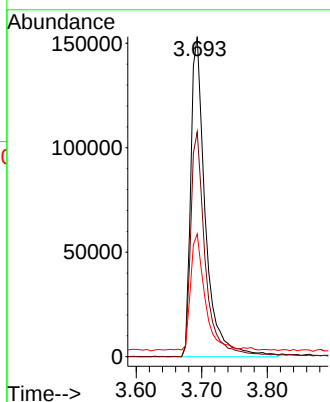
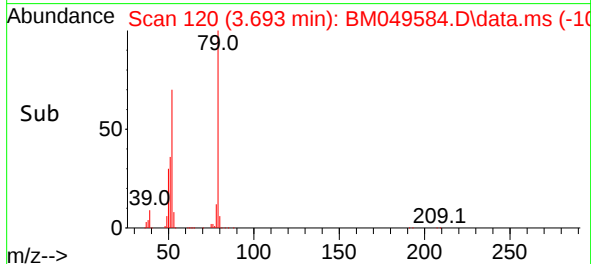
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 79 Resp: 23858
Ion Ratio Lower Upper
79 100
52 70.3 54.5 81.7
51 38.3 29.0 43.6

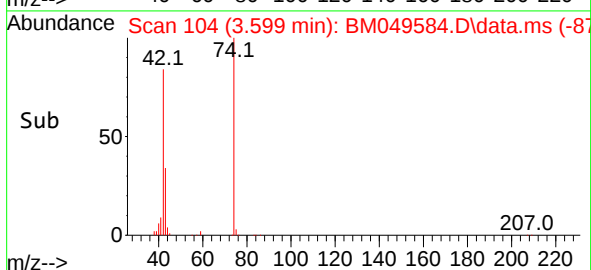
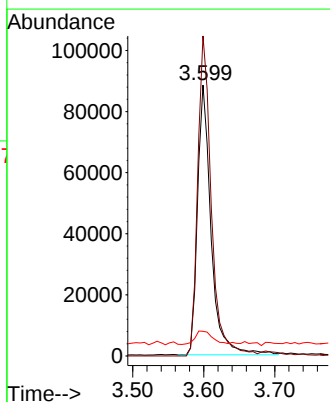
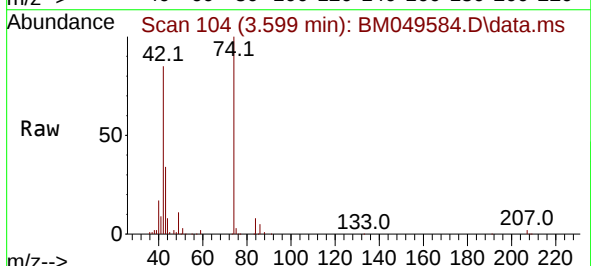
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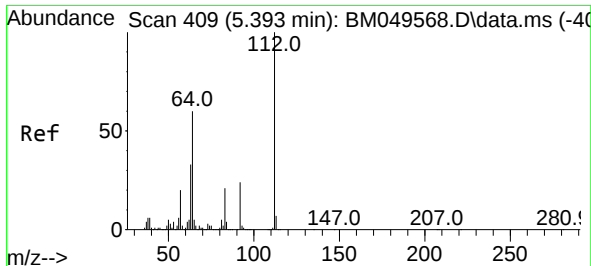
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4
n-Nitrosodimethylamine
Concen: 17.522 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 42 Resp: 117565
Ion Ratio Lower Upper
42 100
74 118.1 101.3 151.9
44 9.1 6.5 9.7





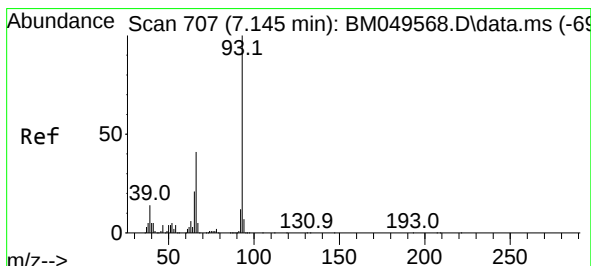
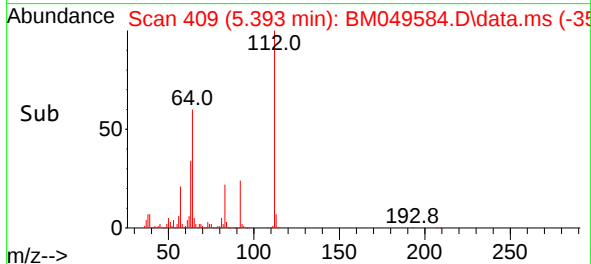
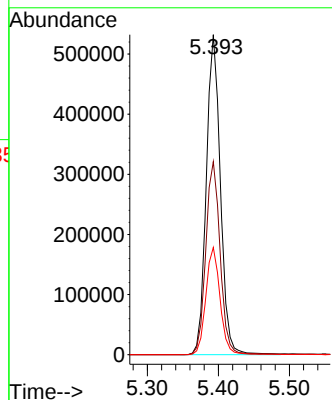
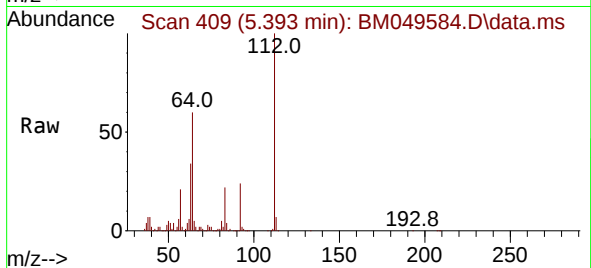
#5
2-Fluorophenol
Concen: 60.031 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 112 Resp: 73678
Ion Ratio Lower Upper
112 100
64 60.3 47.8 71.8
63 33.5 26.2 39.4

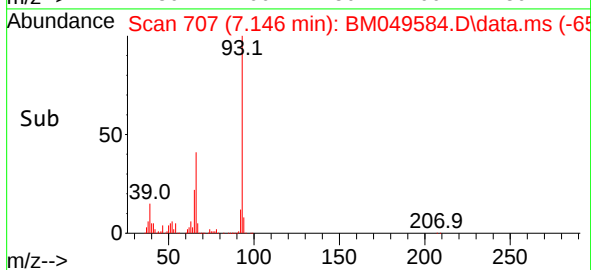
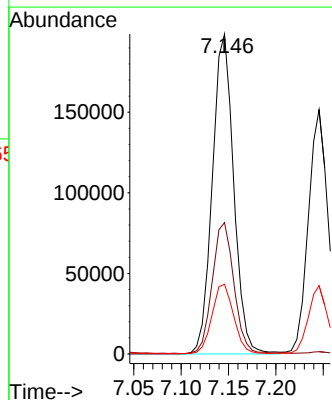
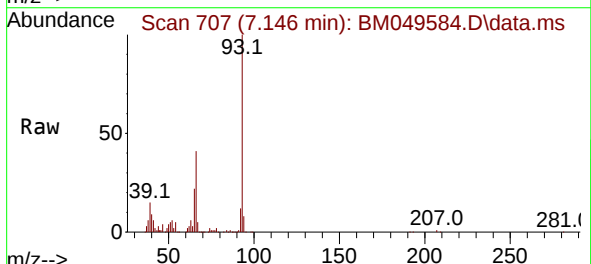
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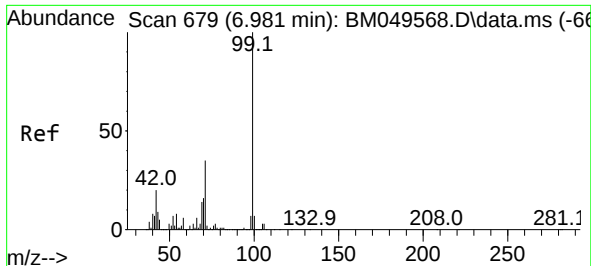
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#6
Aniline
Concen: 20.465 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049584.D
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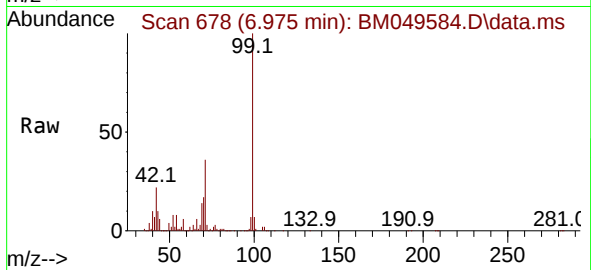
Tgt Ion: 93 Resp: 311894
Ion Ratio Lower Upper
93 100
66 41.1 33.3 49.9
65 21.8 16.8 25.2





#7
Phenol-d6
Concen: 61.201 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

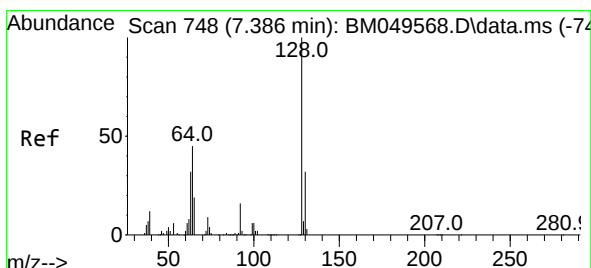
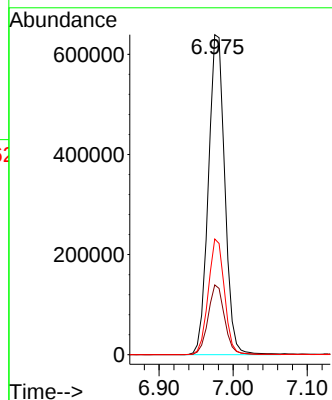
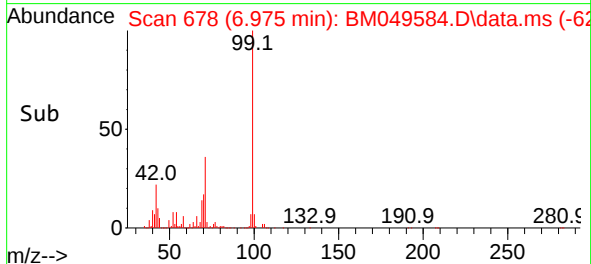
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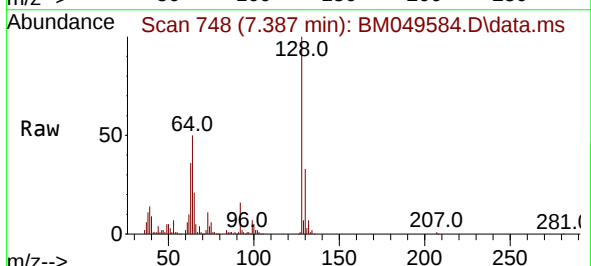
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Ion Ratio Lower Upper
99 100
42 21.8 16.0 24.0
71 36.2 27.8 41.6

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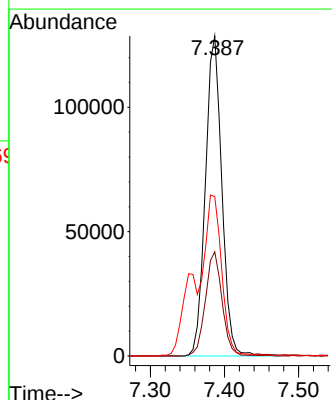
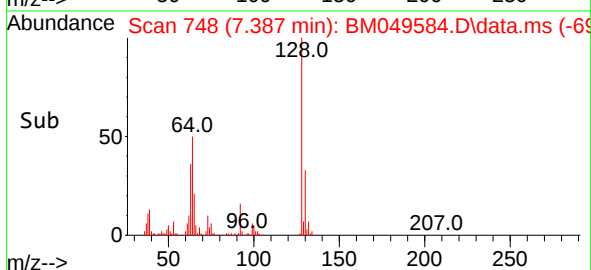
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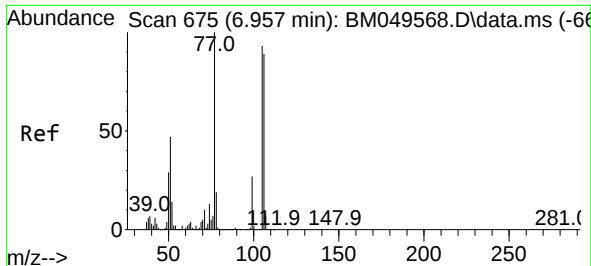


#8
2-Chlorophenol
Concen: 16.204 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049584.D
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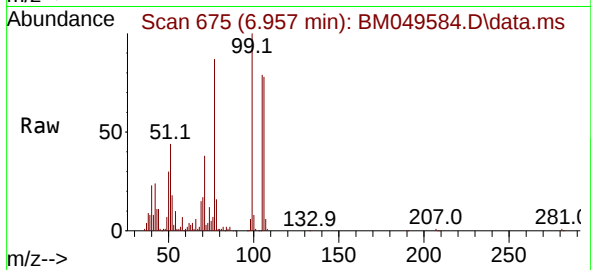
Tgt Ion:128 Resp: 198591
Ion Ratio Lower Upper
128 100
130 32.6 12.4 52.4
64 49.8 28.7 68.7





#9
Benzaldehyde
Concen: 12.736 ng m
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

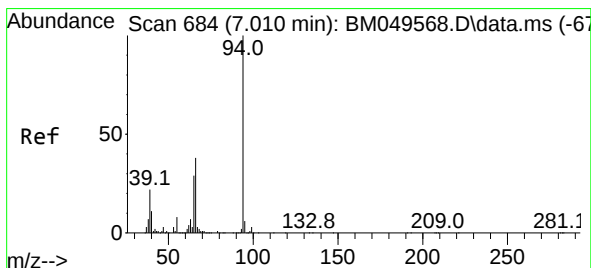
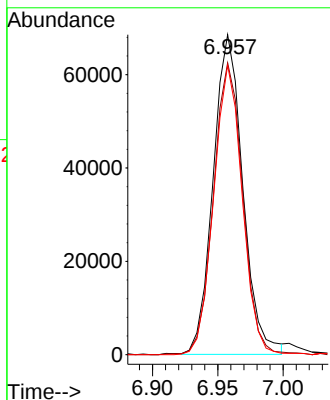
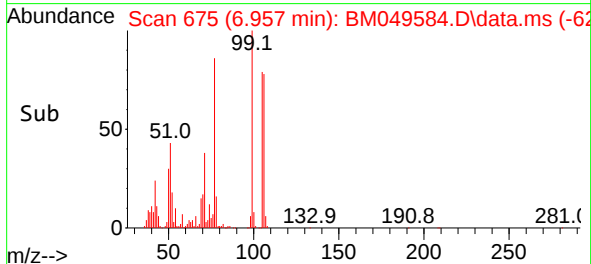
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 77 Resp: 108439
Ion Ratio Lower Upper
77 100
105 91.2 72.7 112.7
106 90.4 68.9 108.9

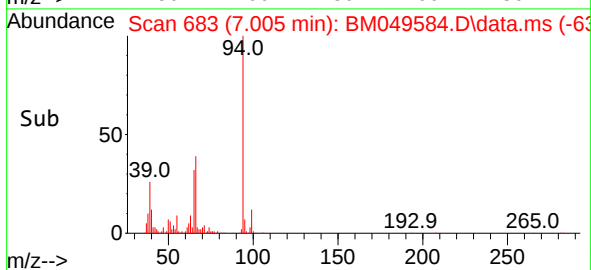
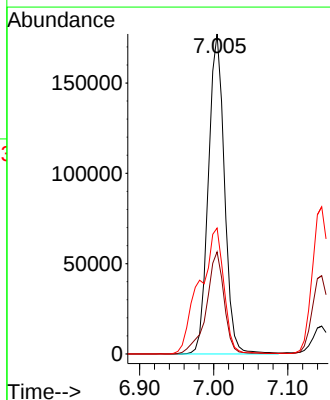
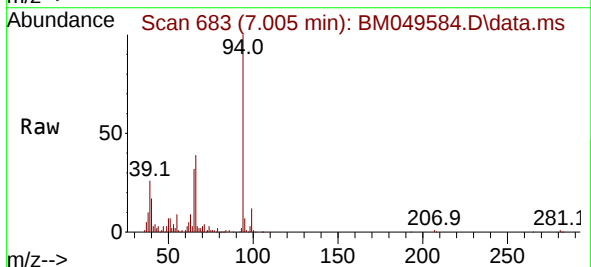
Manual Integrations
APPROVED

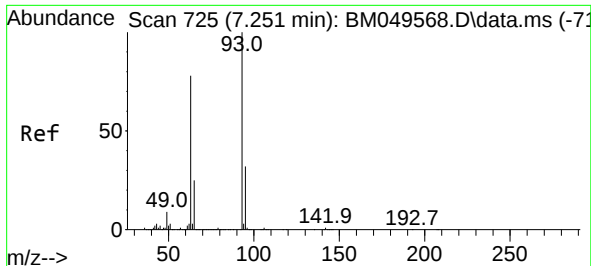
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#10
Phenol
Concen: 16.864 ng
RT: 7.005 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

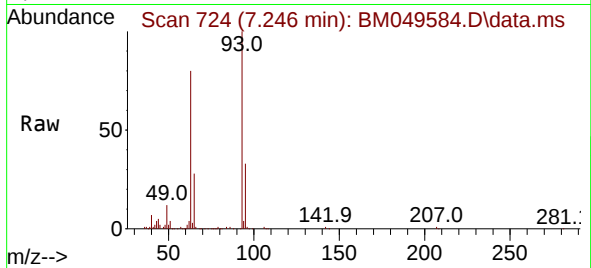
Tgt Ion: 94 Resp: 267086
Ion Ratio Lower Upper
94 100
65 31.9 9.3 49.3
66 39.3 17.7 57.7





#11
bis(2-Chloroethyl)ether
Concen: 17.095 ng
RT: 7.246 min Scan# 725
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

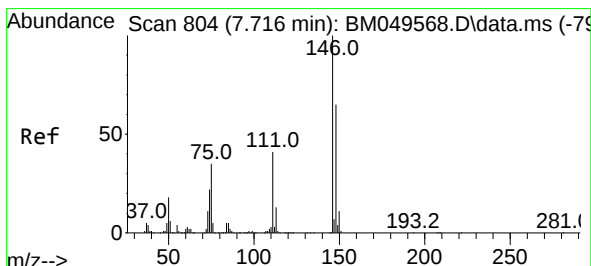
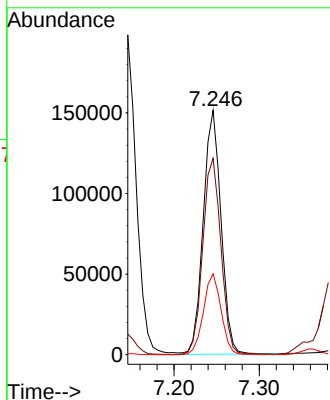
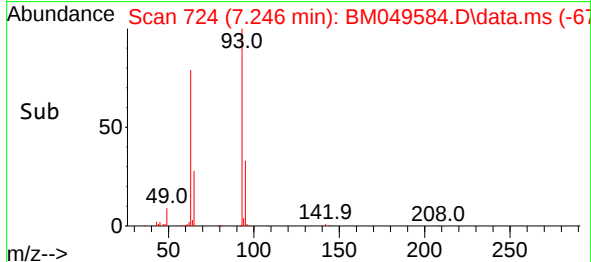
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



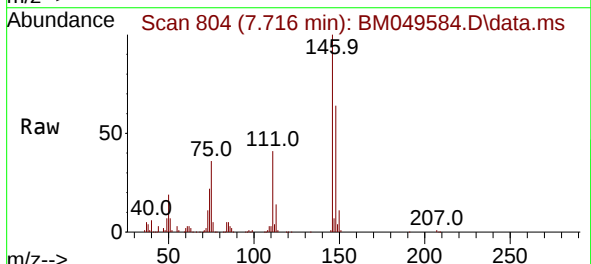
Tgt Ion: 93 Resp: 21904
Ion Ratio Lower Upper
93 100
63 80.4 57.3 97.3
95 33.1 12.1 52.1

Manual Integrations
APPROVED

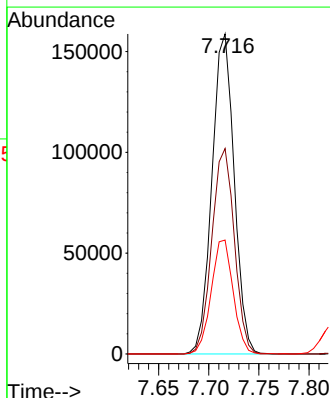
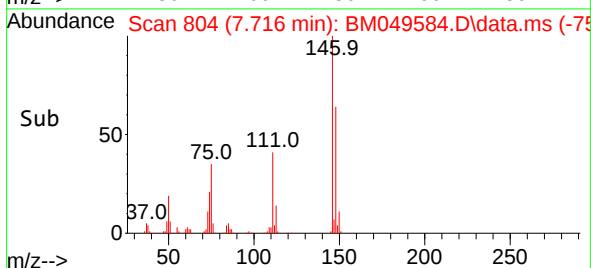
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

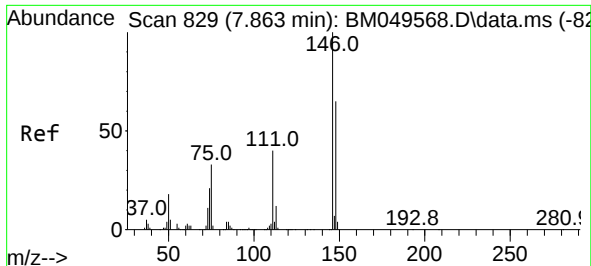


#12
1,3-Dichlorobenzene
Concen: 17.207 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



Tgt Ion:146 Resp: 244778
Ion Ratio Lower Upper
146 100
148 64.2 52.2 78.2
75 35.6 28.3 42.5





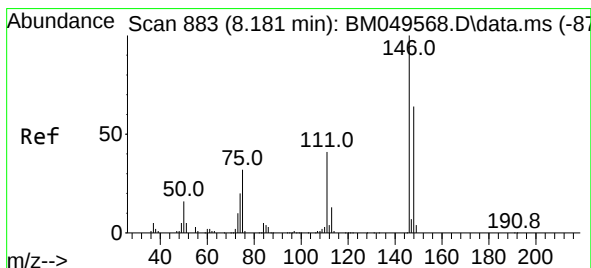
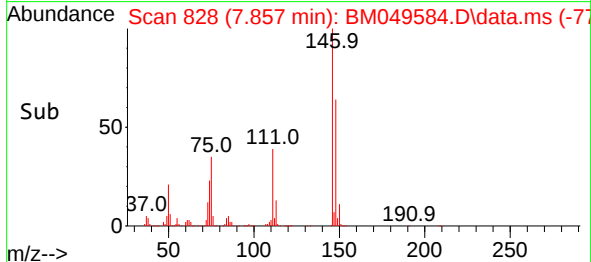
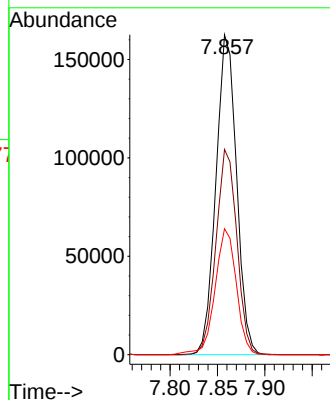
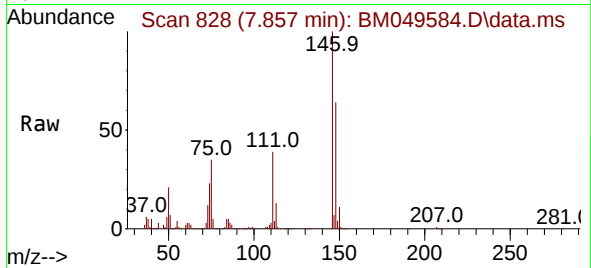
#13
1,4-Dichlorobenzene
Concen: 17.165 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:146 Resp: 24698
Ion Ratio Lower Upper
146 100
148 64.2 52.1 78.1
111 39.4 31.7 47.5

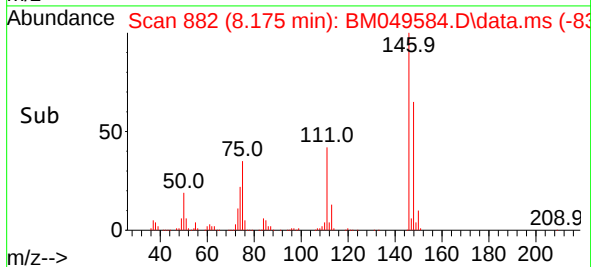
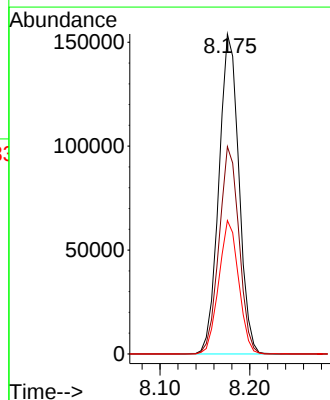
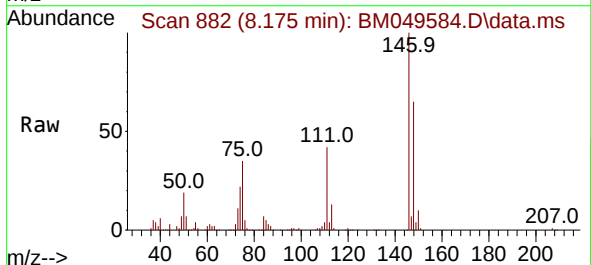
Manual Integrations
APPROVED

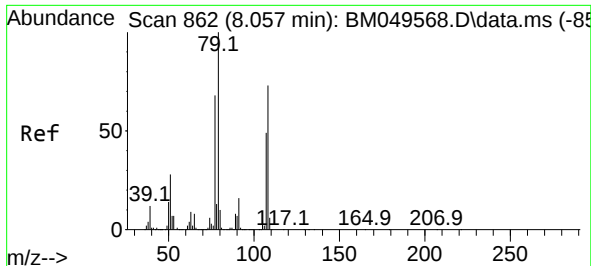
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#14
1,2-Dichlorobenzene
Concen: 17.130 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

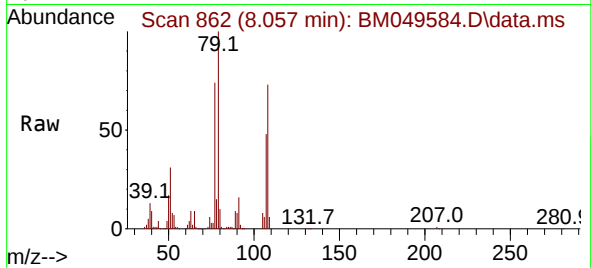
Tgt Ion:146 Resp: 237992
Ion Ratio Lower Upper
146 100
148 64.8 51.5 77.3
111 41.7 33.4 50.0





#15
Benzyl Alcohol
Concen: 15.528 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

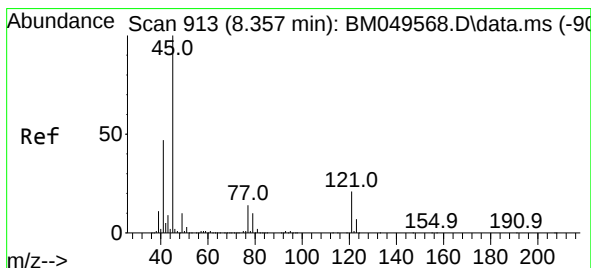
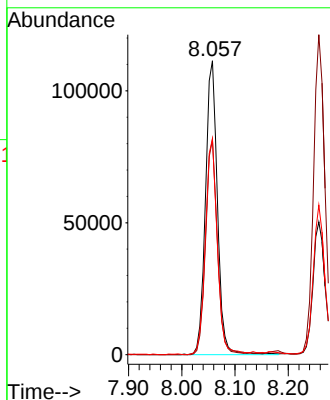
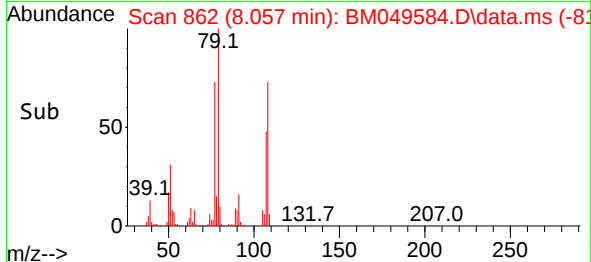
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



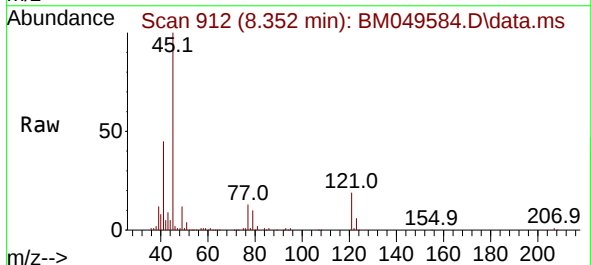
Tgt Ion: 79 Resp: 173710
Ion Ratio Lower Upper
79 100
108 73.2 58.6 88.0
77 73.5 54.0 81.0

Manual Integrations
APPROVED

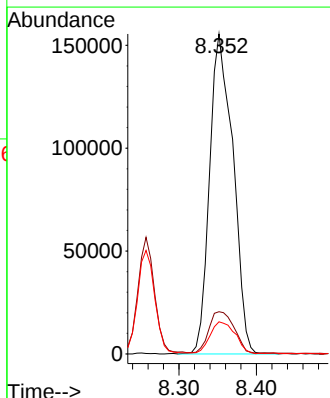
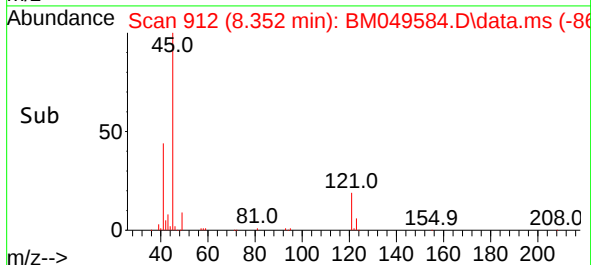
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

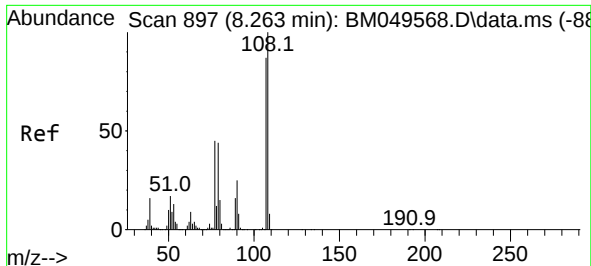


#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.957 ng
RT: 8.352 min Scan# 912
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



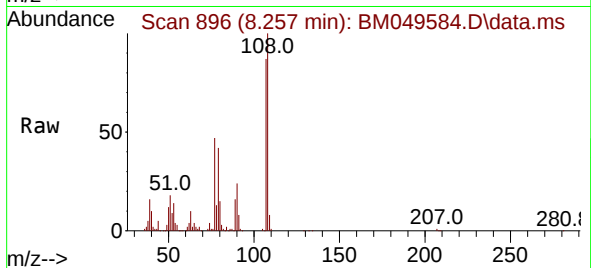
Tgt Ion: 45 Resp: 326984
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.0
79 10.1 0.0 30.8





#17
2-Methylphenol
Concen: 16.686 ng
RT: 8.257 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

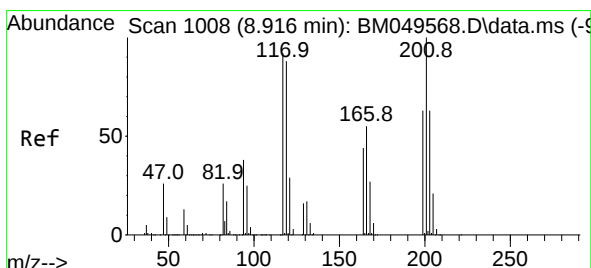
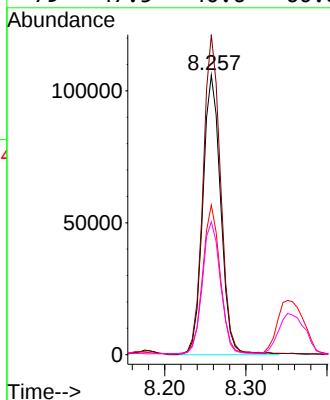
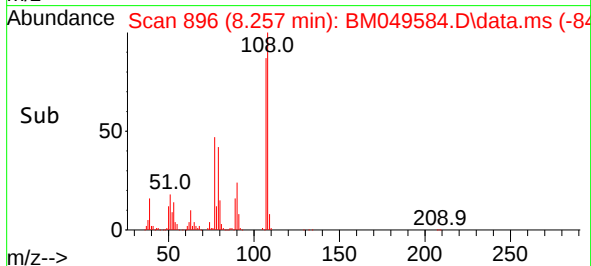
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:107 Resp: 161589
Ion Ratio Lower Upper
107 100
108 114.5 92.2 138.4
77 53.5 41.3 61.9
79 47.5 40.6 60.8

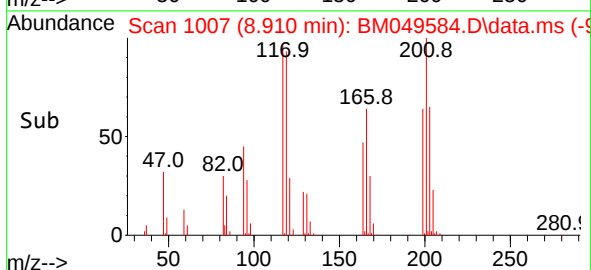
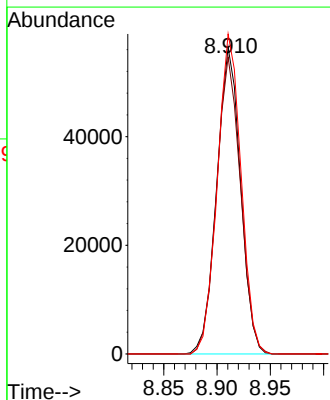
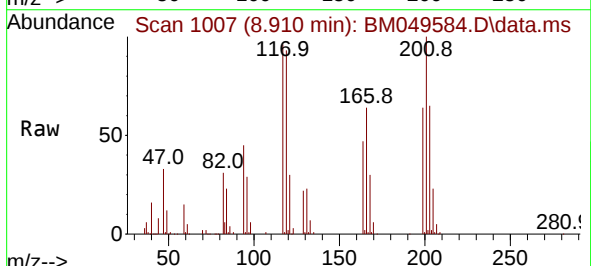
Manual Integrations
APPROVED

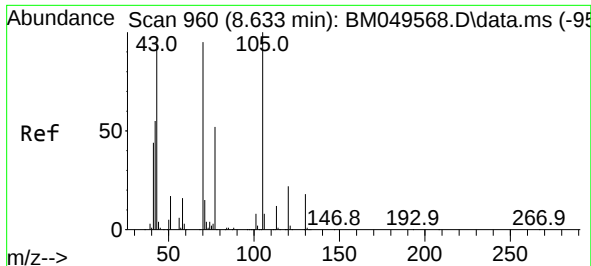
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#18
Hexachloroethane
Concen: 16.713 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

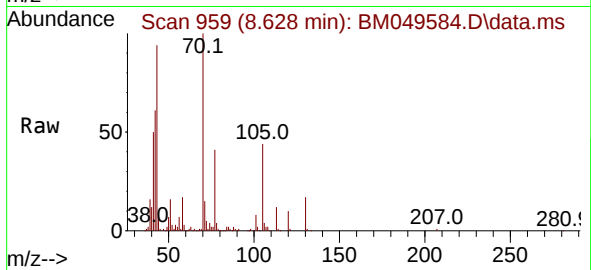
Tgt Ion:117 Resp: 87837
Ion Ratio Lower Upper
117 100
119 96.8 76.8 115.2
201 104.4 87.0 130.6





#19
n-Nitroso-di-n-propylamine
Concen: 16.487 ng
RT: 8.628 min Scan# 910
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

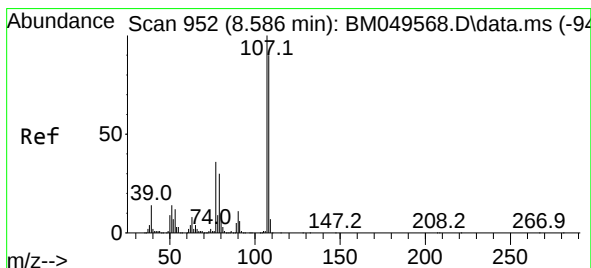
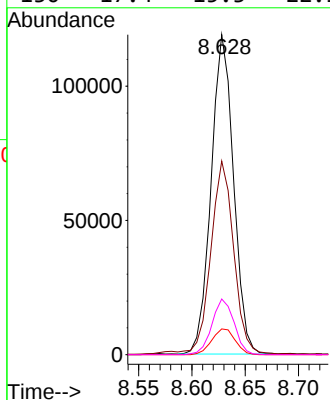
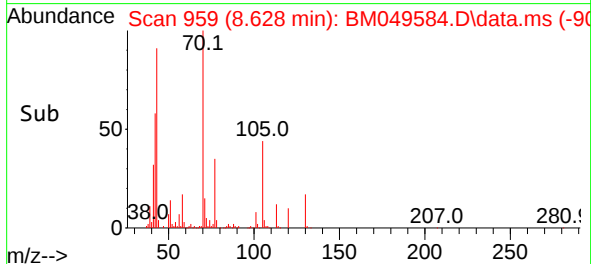
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



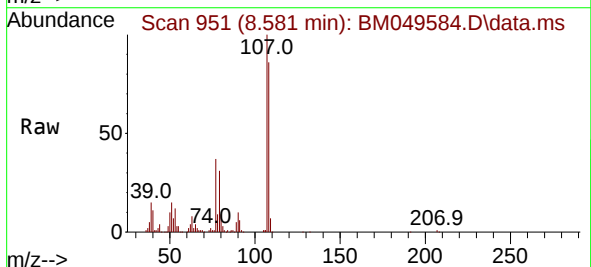
Tgt Ion: 70 Resp: 173598
Ion Ratio Lower Upper
70 100
42 60.5 47.4 71.2
101 8.1 7.1 10.7
130 17.4 15.3 22.9

Manual Integrations
APPROVED

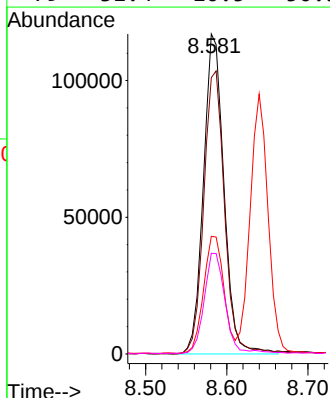
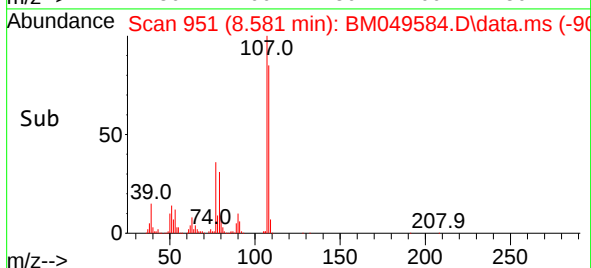
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

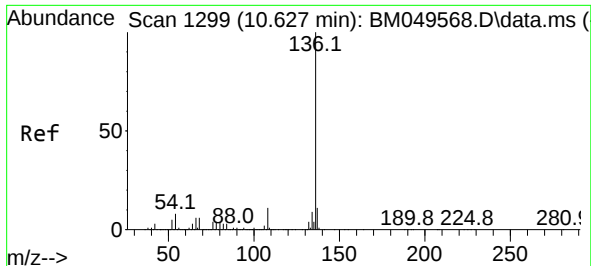


#20
3+4-Methylphenols
Concen: 16.077 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



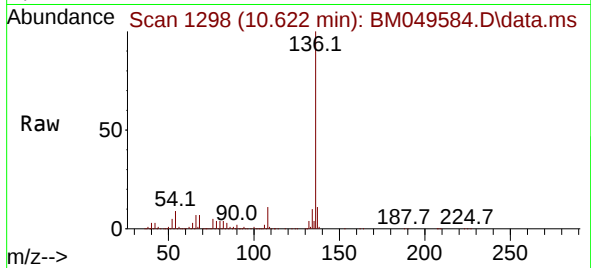
Tgt Ion:107 Resp: 205525
Ion Ratio Lower Upper
107 100
108 86.3 69.6 109.6
77 36.8 16.0 56.0
79 31.4 10.5 50.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

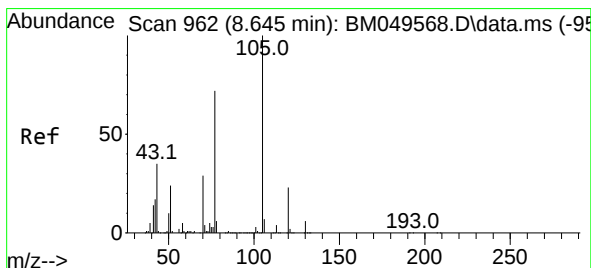
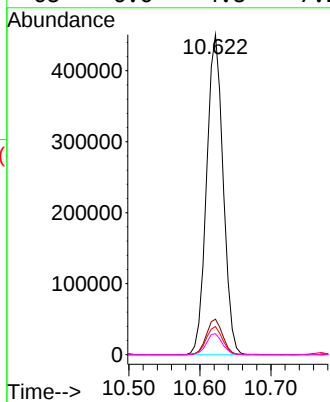
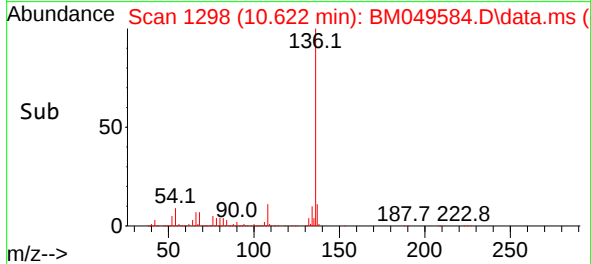
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:136 Resp: 728612
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.8 6.6 10.0
68 6.6 4.8 7.2

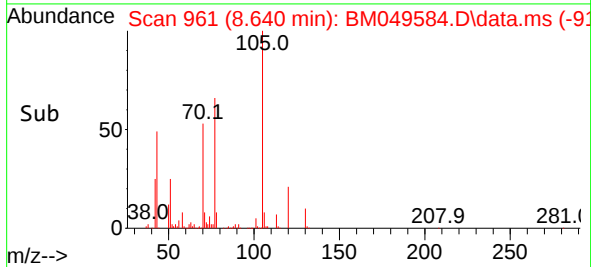
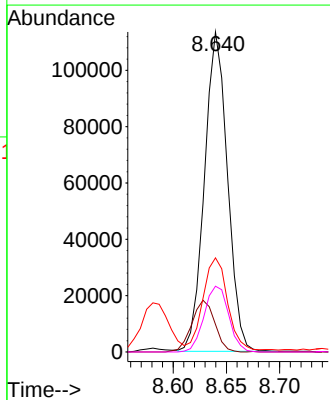
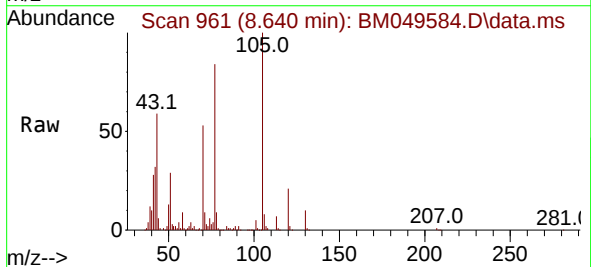
Manual Integrations
APPROVED

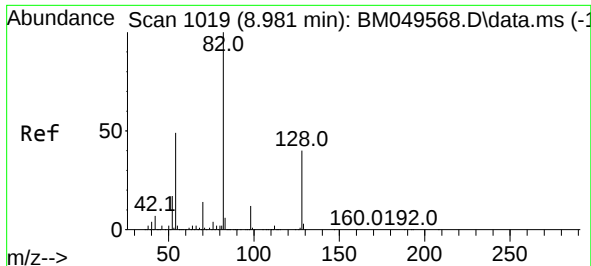
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#22
Acetophenone
Concen: 8.712 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

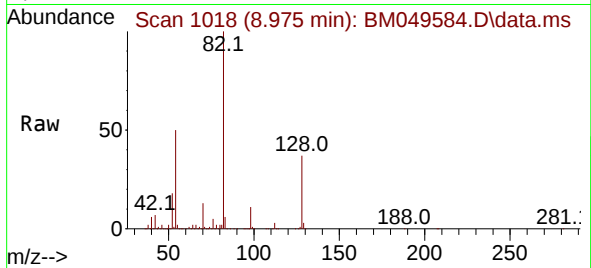
Tgt Ion:105 Resp: 170962
Ion Ratio Lower Upper
105 100
71 8.6 3.5 5.3#
51 29.4 21.7 32.5
120 20.6 18.1 27.1





#23
Nitrobenzene-d5
Concen: 61.539 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

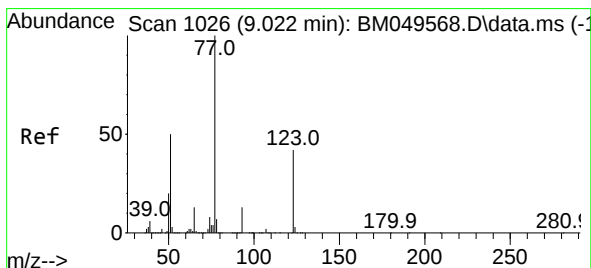
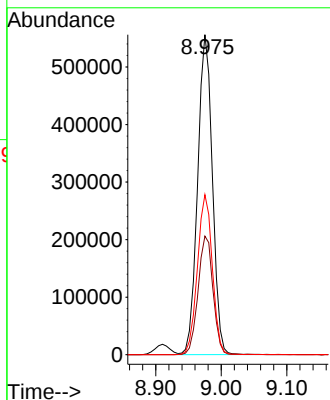
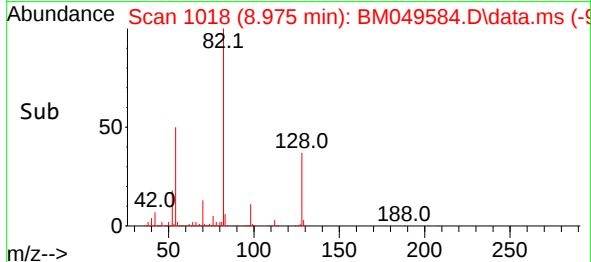
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



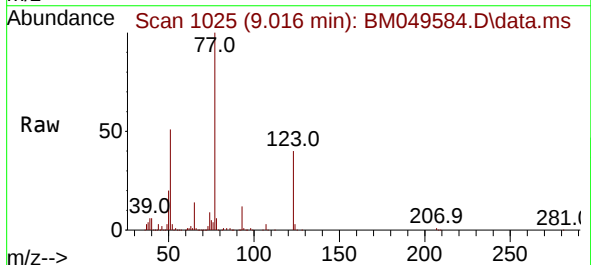
Tgt Ion: 82 Resp: 871704
Ion Ratio Lower Upper
82 100
128 37.1 31.6 47.4
54 50.0 39.4 59.0

Manual Integrations
APPROVED

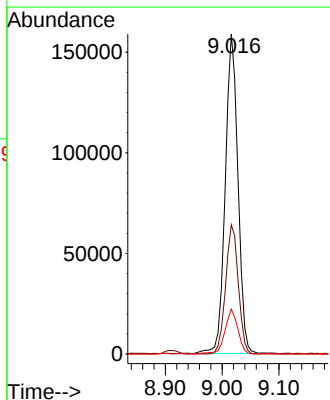
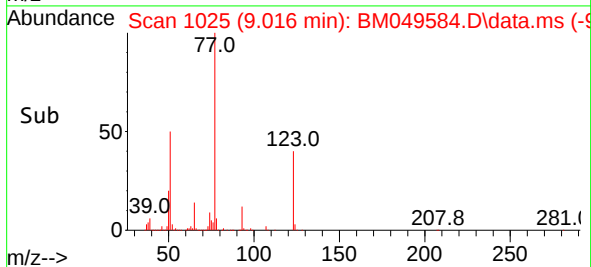
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

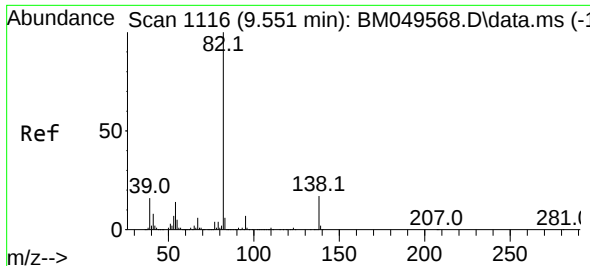


#24
Nitrobenzene
Concen: 17.950 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



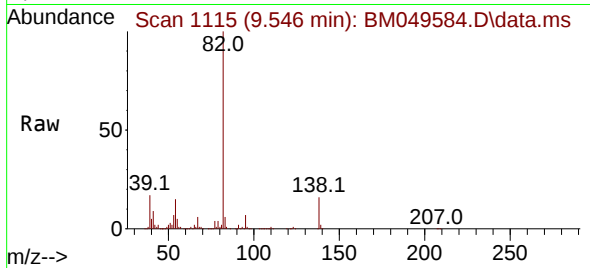
Tgt Ion: 77 Resp: 247039
Ion Ratio Lower Upper
77 100
123 40.3 33.4 50.2
65 14.0 10.5 15.7





#25
Isophorone
Concen: 17.344 ng
RT: 9.546 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

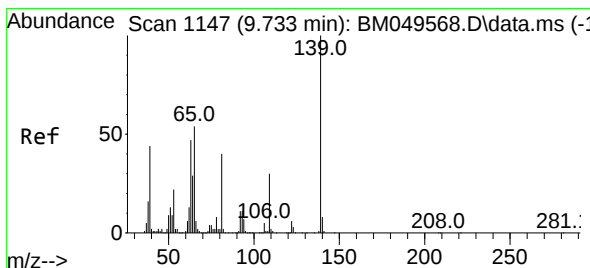
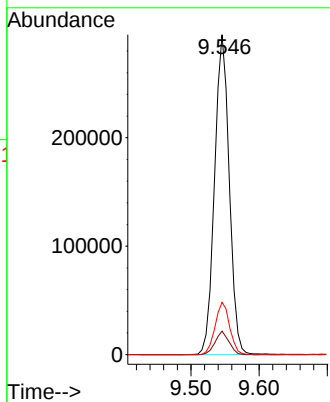
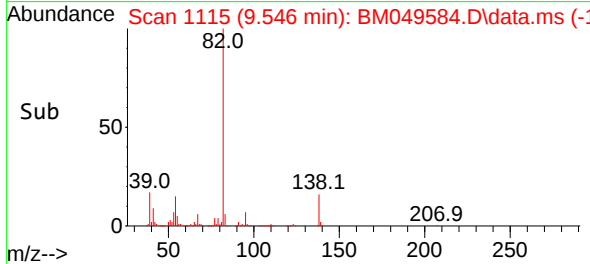
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 443078
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 16.3 13.6 20.4

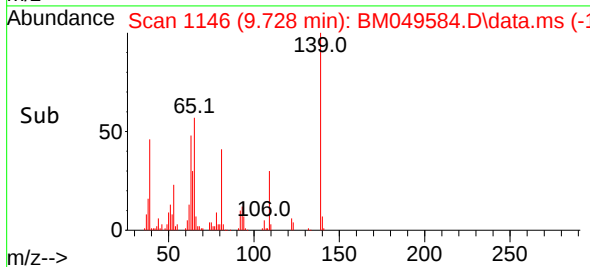
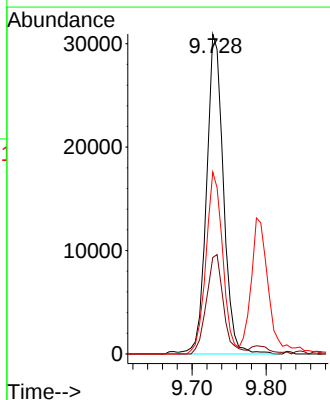
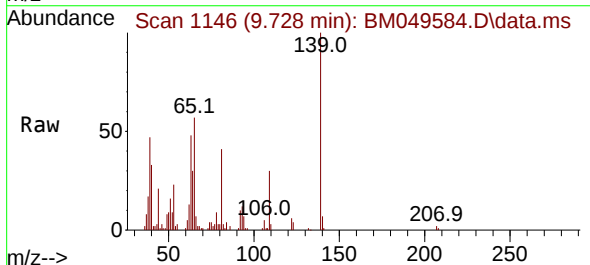
Manual Integrations
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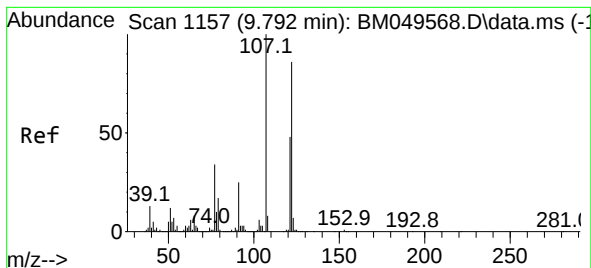
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#26
2-Nitrophenol
Concen: 13.653 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

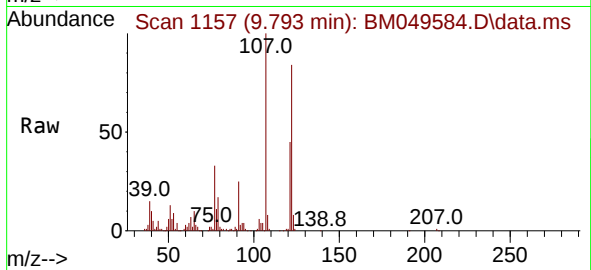
Tgt Ion:139 Resp: 48815
Ion Ratio Lower Upper
139 100
109 30.1 24.2 36.2
65 56.9 43.4 65.2





#27
2,4-Dimethylphenol
Concen: 19.699 ng
RT: 9.793 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

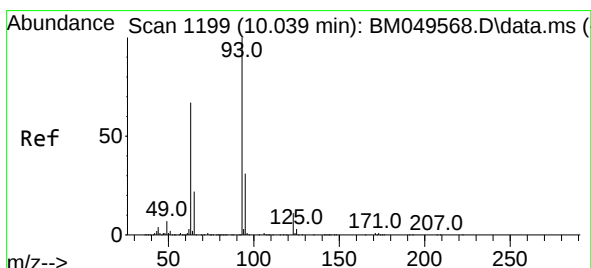
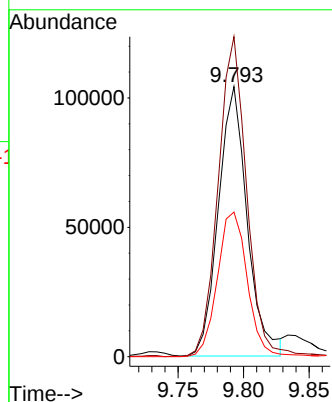
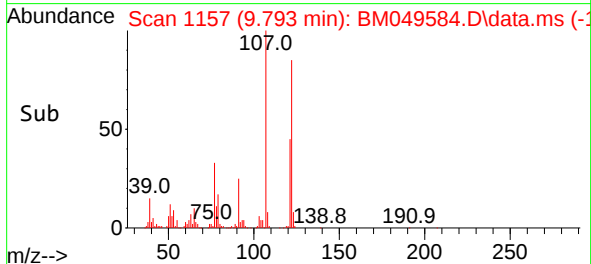
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:122 Resp: 15912
Ion Ratio Lower Upper
122 100
107 118.5 93.2 139.8
121 53.5 44.4 66.6

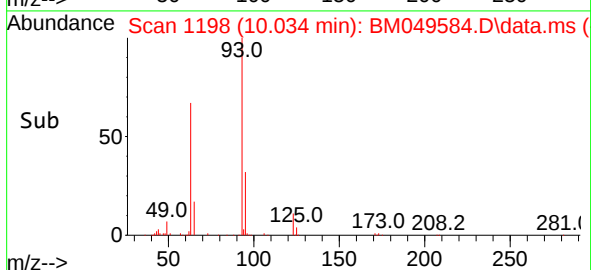
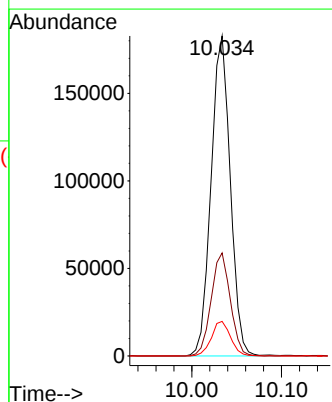
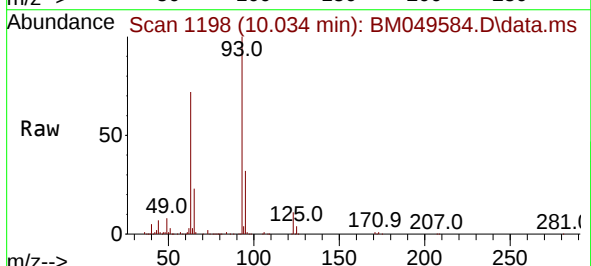
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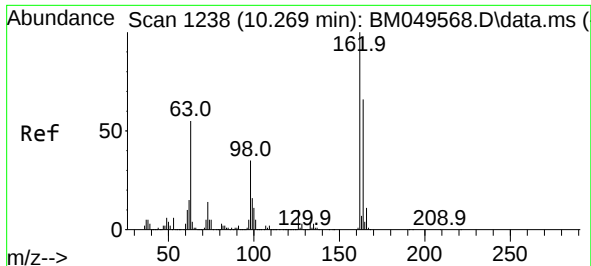
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 16.532 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 93 Resp: 272008
Ion Ratio Lower Upper
93 100
95 32.2 25.2 37.8
123 10.8 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 14.565 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049584.D

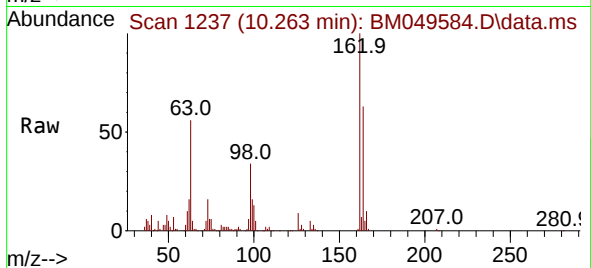
Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



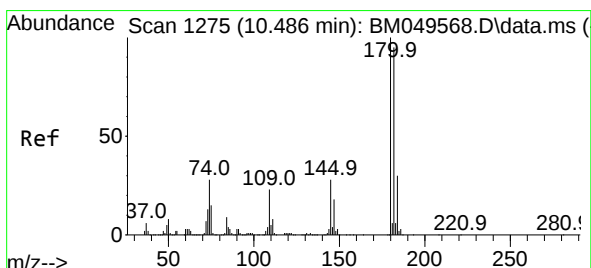
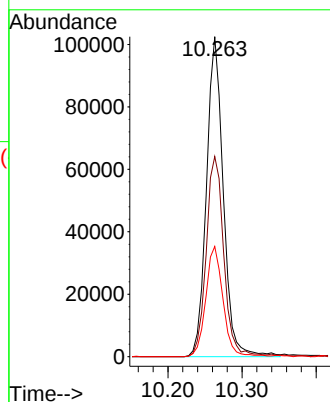
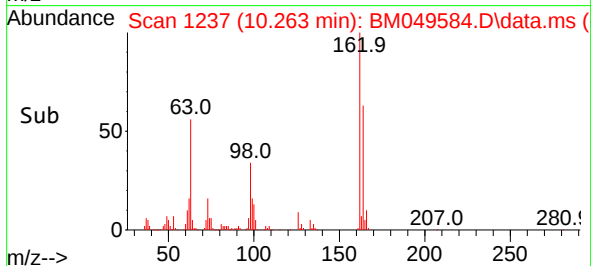
Tgt Ion:162 Resp: 16202

Ion	Ratio	Lower	Upper
162	100		
164	62.6	46.0	86.0
98	34.4	14.7	54.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 16.244 ng

RT: 10.487 min Scan# 1275

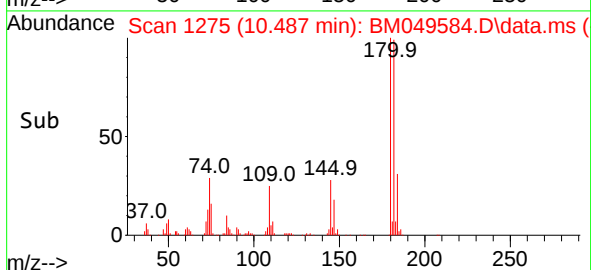
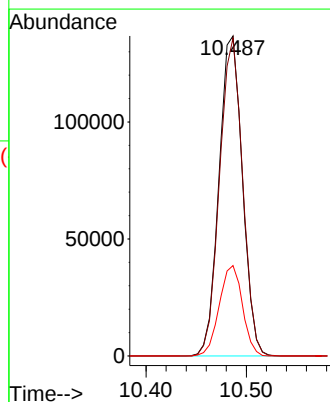
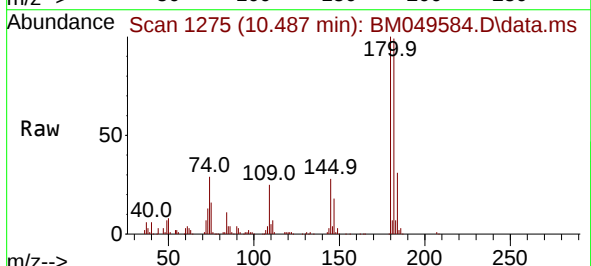
Delta R.T. 0.000 min

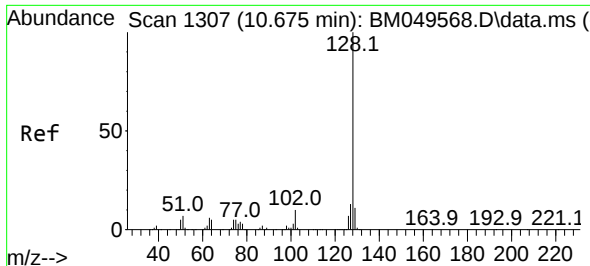
Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:180 Resp: 221378

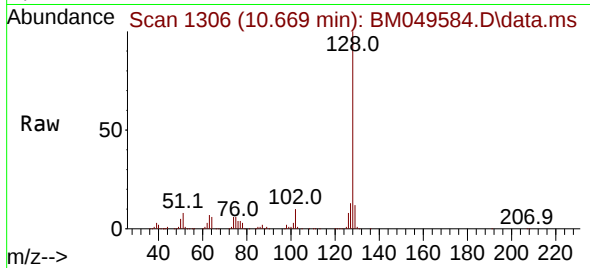
Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.4	114.6
145	28.3	22.5	33.7





#31
Naphthalene
Concen: 16.167 ng
RT: 10.669 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

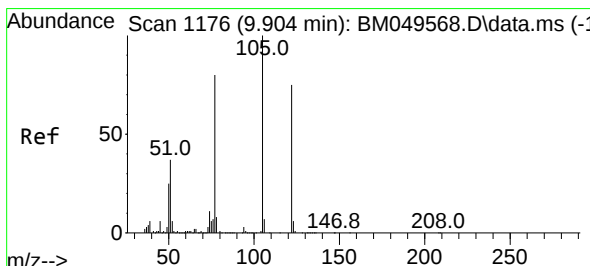
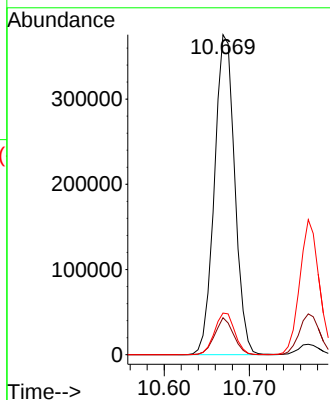
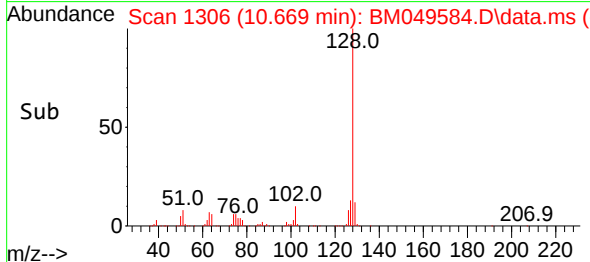
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:128 Resp: 621268
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.0 10.6 15.8

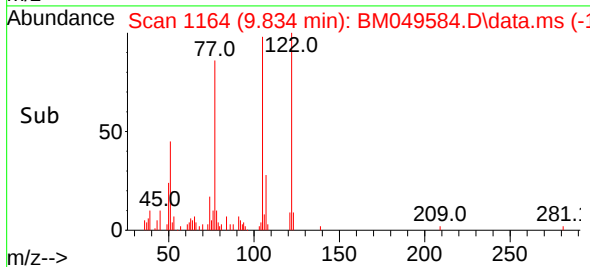
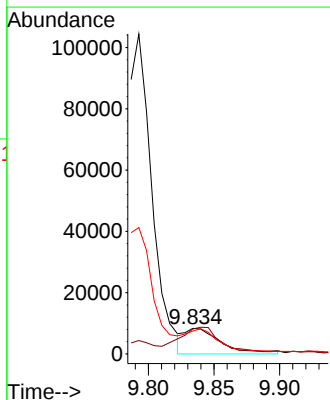
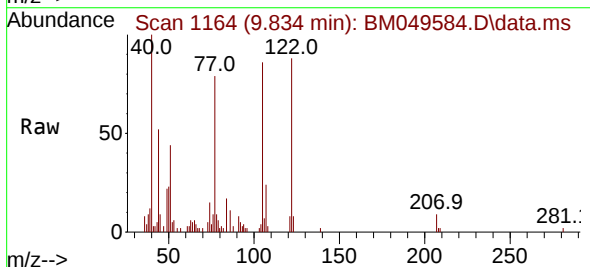
Manual Integrations
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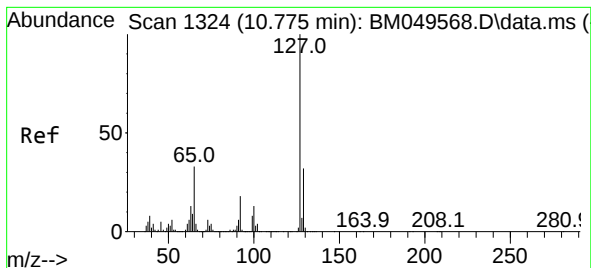
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 9.025 ng m
RT: 9.834 min Scan# 1164
Delta R.T. -0.070 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

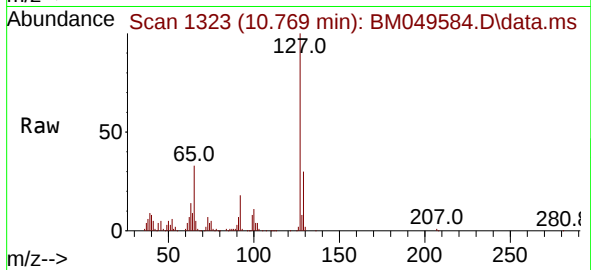
Tgt Ion:122 Resp: 16472
Ion Ratio Lower Upper
122 100
105 97.9 103.6 143.6#
77 89.8 82.4 122.4





#33
4-Chloroaniline
Concen: 17.552 ng
RT: 10.769 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

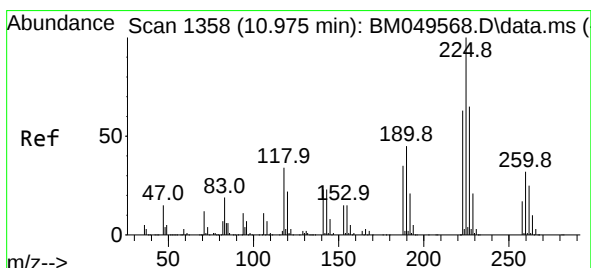
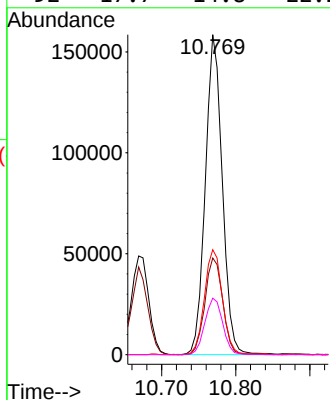
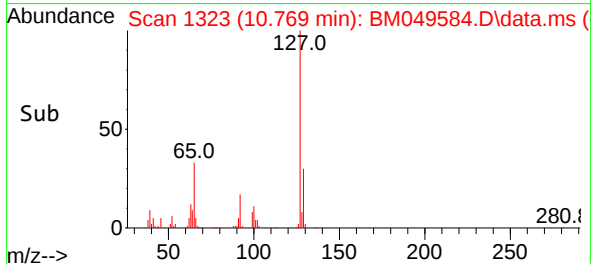


Tgt Ion:127 Resp: 25246

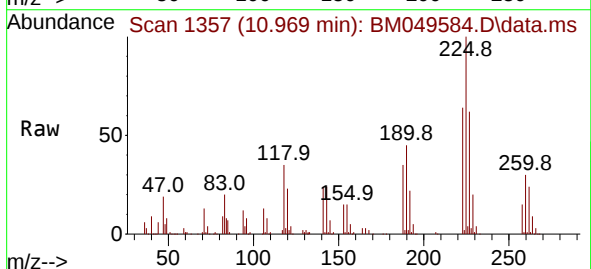
Ion	Ratio	Lower	Upper
127	100		
129	30.2	25.8	38.8
65	32.8	26.4	39.6
92	17.7	14.8	22.2

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

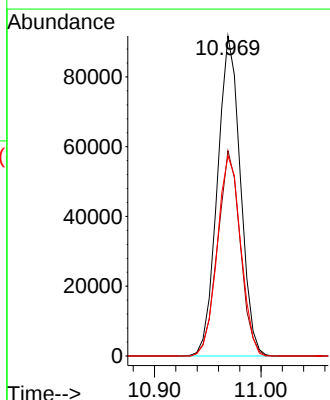
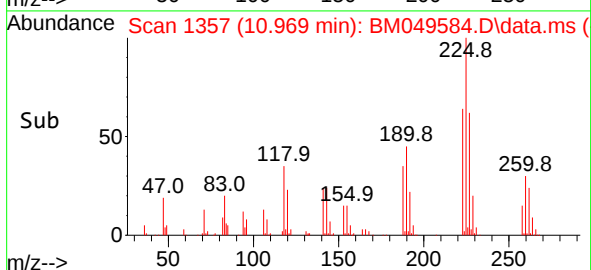


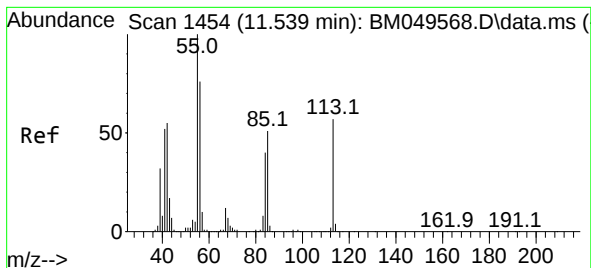
#34
Hexachlorobutadiene
Concen: 16.810 ng
RT: 10.969 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



Tgt Ion:225 Resp: 137195

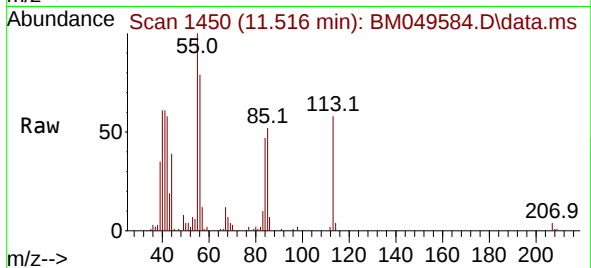
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	75.8
227	62.5	51.8	77.6





#35
 Caprolactam
 Concen: 6.124 ng
 RT: 11.516 min Scan# 1454
 Delta R.T. -0.023 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

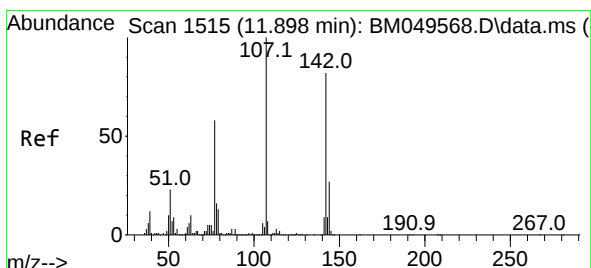
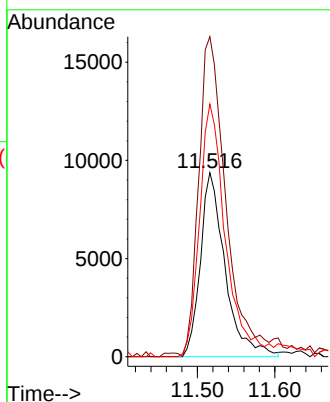
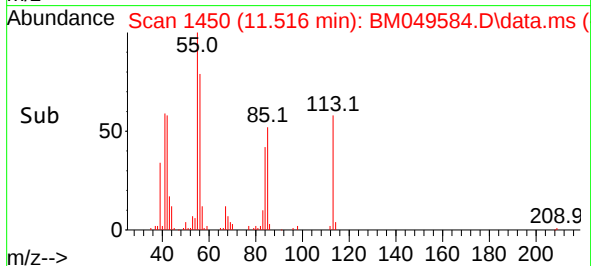
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



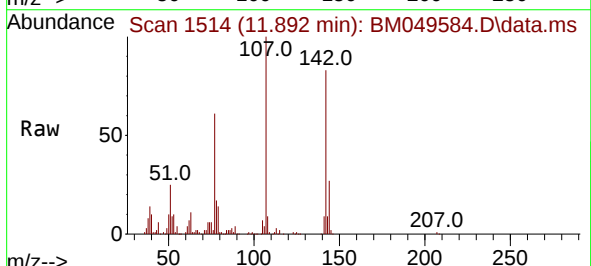
Tgt Ion:113 Resp: 2078
 Ion Ratio Lower Upper
 113 100
 55 173.9 157.5 197.5
 56 137.3 114.6 154.6

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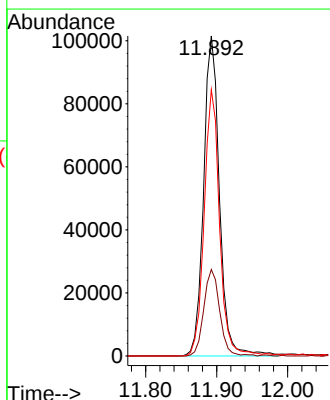
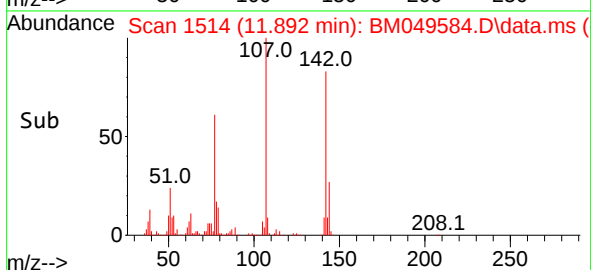
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

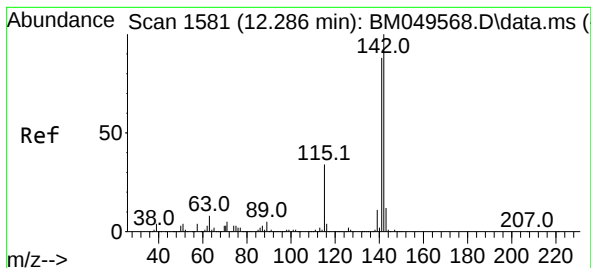


#36
 4-Chloro-3-methylphenol
 Concen: 14.238 ng
 RT: 11.892 min Scan# 1514
 Delta R.T. -0.006 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42



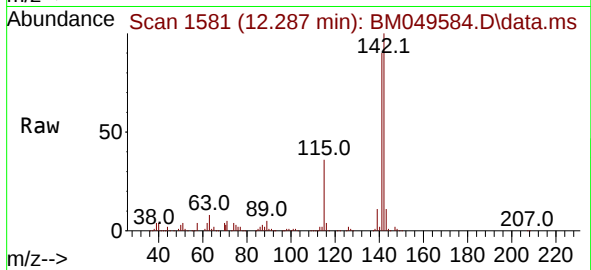
Tgt Ion:107 Resp: 157955
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.2 31.8
 142 83.2 65.4 98.2





#37
2-Methylnaphthalene
Concen: 15.018 ng
RT: 12.287 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

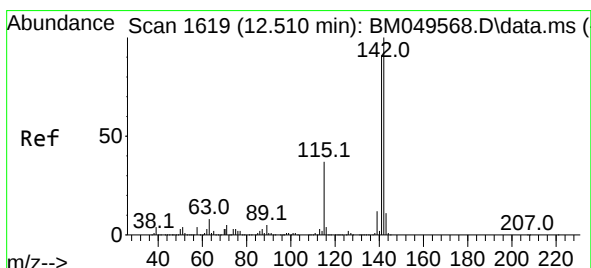
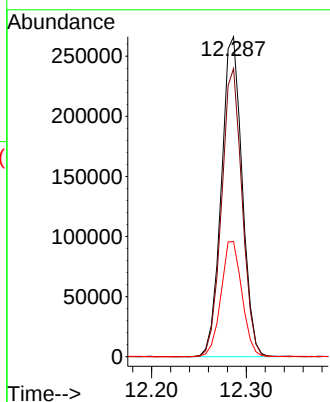
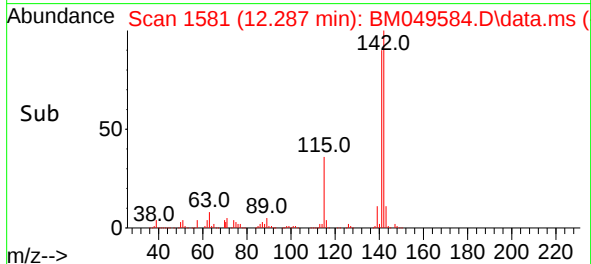
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



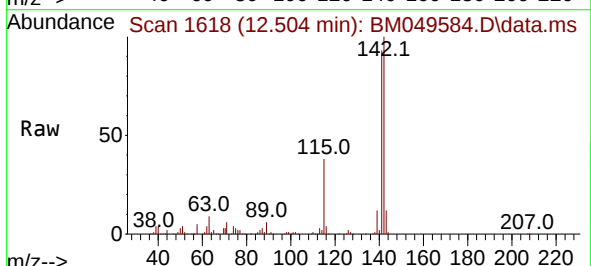
Tgt Ion:142 Resp: 406315
Ion Ratio Lower Upper
142 100
141 90.1 70.2 105.4
115 36.0 27.5 41.3

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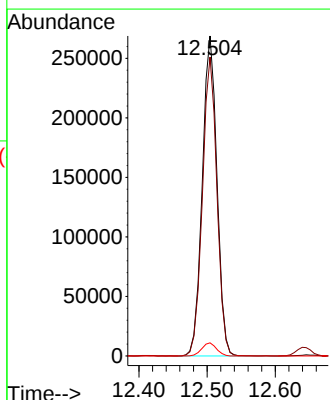
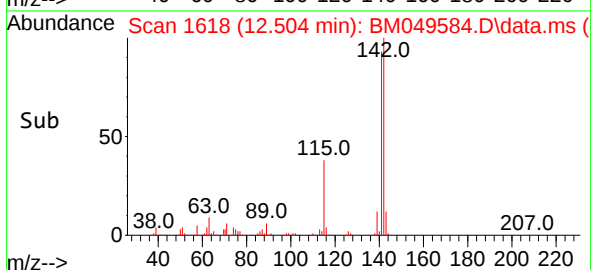
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

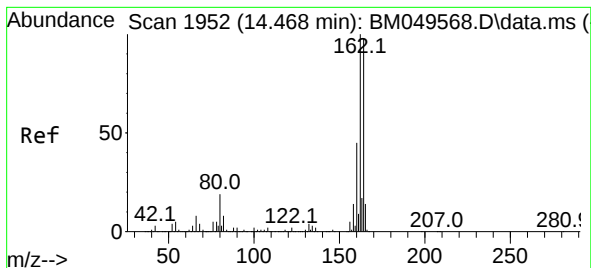


#38
1-Methylnaphthalene
Concen: 15.246 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



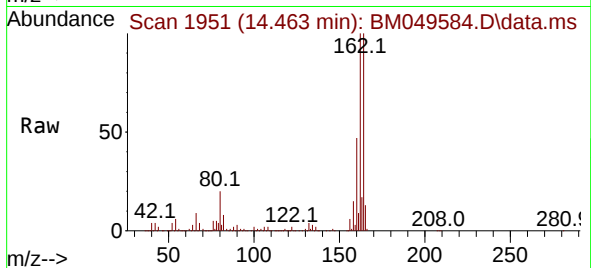
Tgt Ion:142 Resp: 401340
Ion Ratio Lower Upper
142 100
141 93.4 73.1 109.7
116 4.1 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

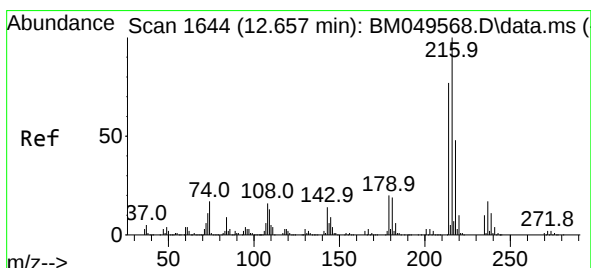
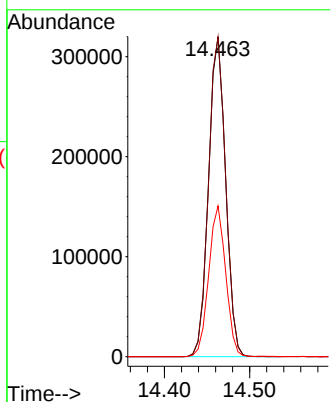
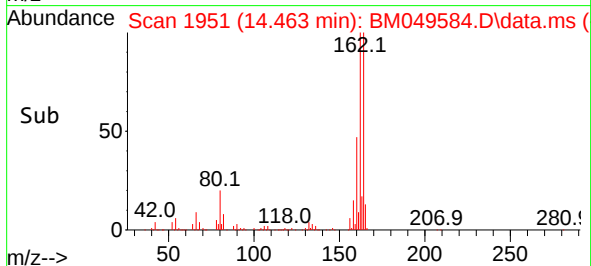
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:164 Resp: 446218
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 47.1 36.2 54.4

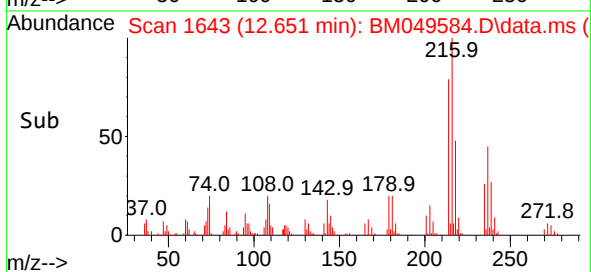
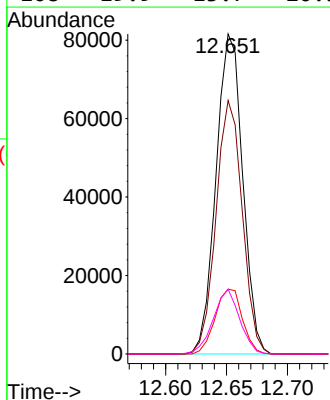
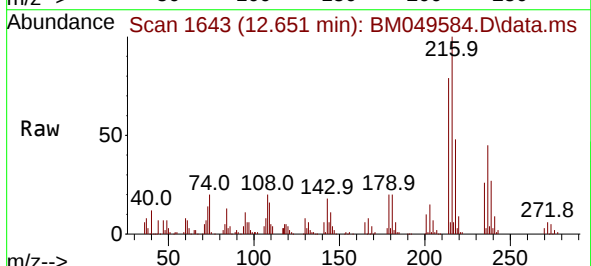
Manual Integrations
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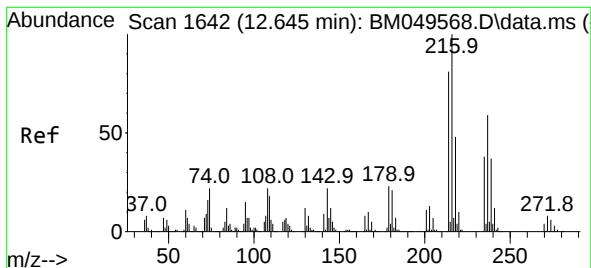
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.478 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

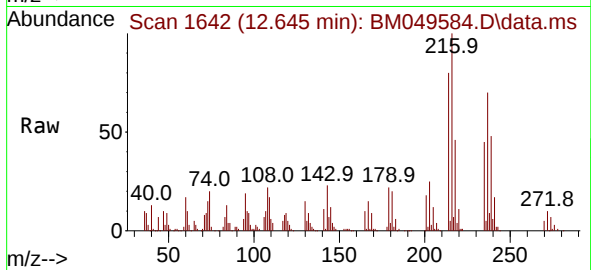
Tgt Ion:216 Resp: 124374
Ion Ratio Lower Upper
216 100
214 77.9 62.4 93.6
179 20.7 16.3 24.5
108 19.9 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 18.888 ng
RT: 12.645 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

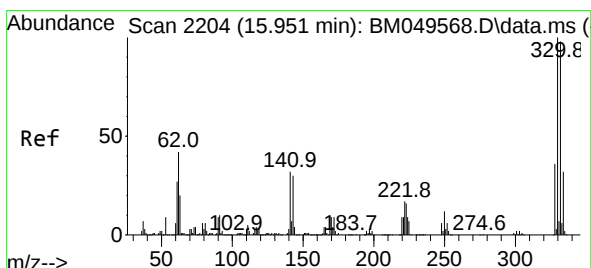
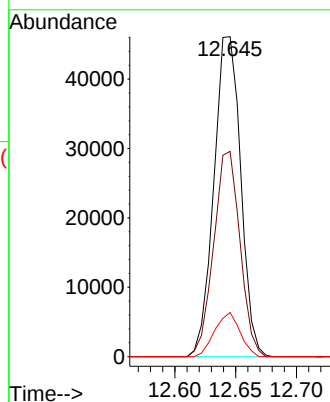
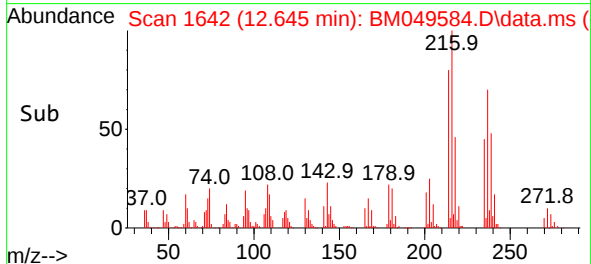
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



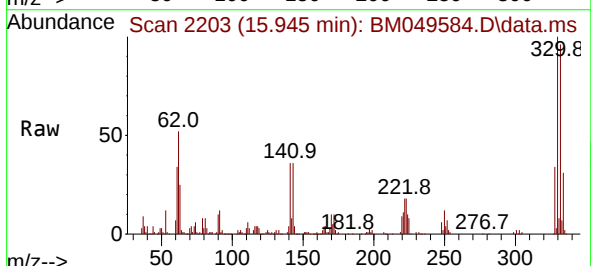
Tgt Ion:237 Resp: 70739
Ion Ratio Lower Upper
237 100
235 64.1 43.8 83.8
272 13.8 0.0 33.5

Manual Integrations
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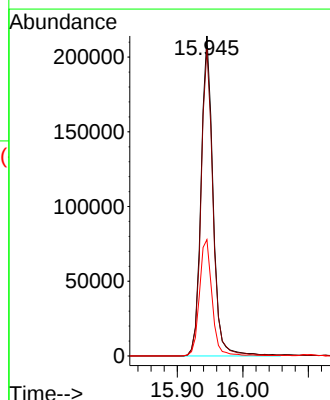
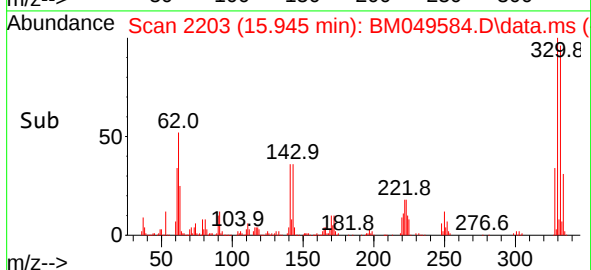
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

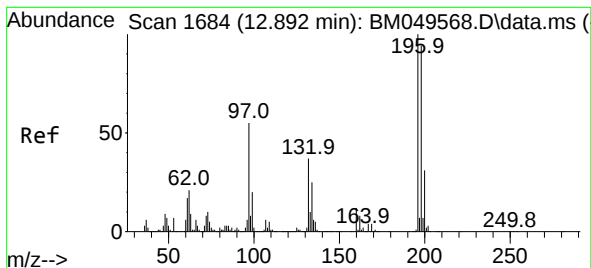


#42
2,4,6-Tribromophenol
Concen: 51.622 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



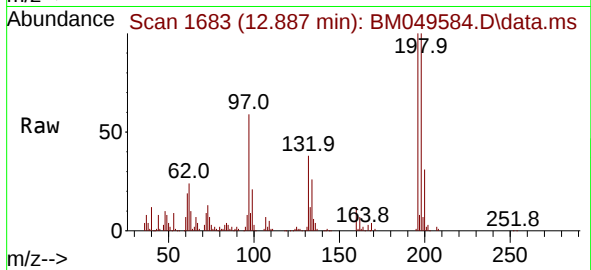
Tgt Ion:330 Resp: 272944
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 38.4 28.2 42.2





#43
2,4,6-Trichlorophenol
Concen: 13.629 ng
RT: 12.887 min Scan# 1683
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

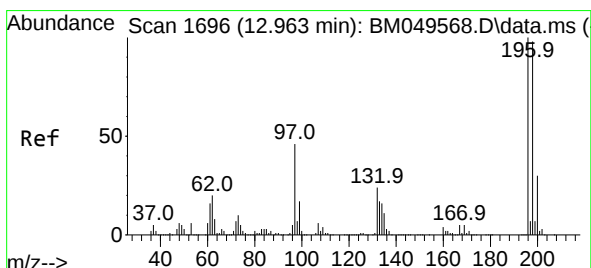
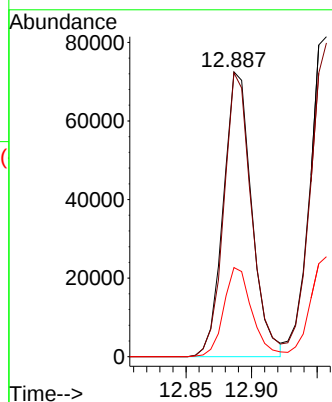
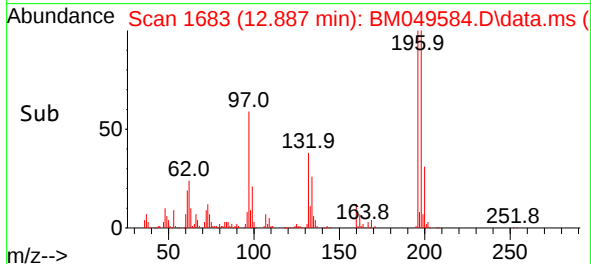
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



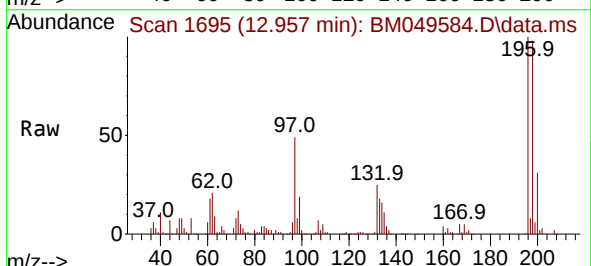
Tgt Ion:196 Resp: 10911
Ion Ratio Lower Upper
196 100
198 99.7 75.4 113.0
200 31.3 25.1 37.7

Manual Integrations
APPROVED

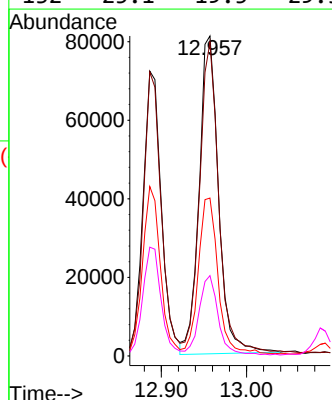
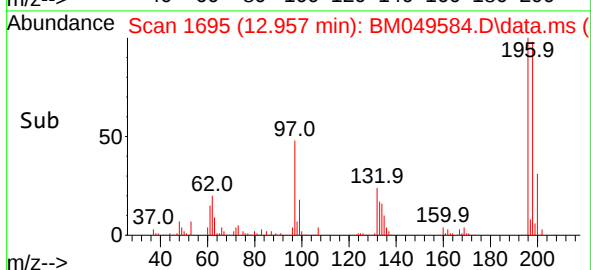
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

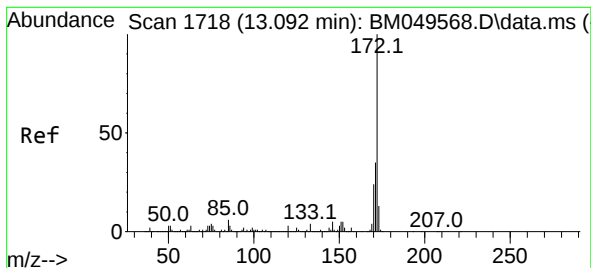


#44
2,4,5-Trichlorophenol
Concen: 14.635 ng
RT: 12.957 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



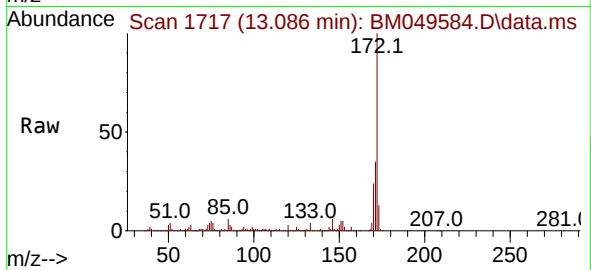
Tgt Ion:196 Resp: 128761
Ion Ratio Lower Upper
196 100
198 98.1 78.4 117.6
97 49.4 37.4 56.0
132 25.1 19.5 29.3





#45
2-Fluorobiphenyl
Concen: 58.122 ng
RT: 13.086 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

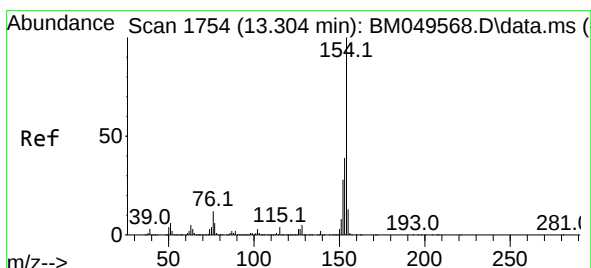
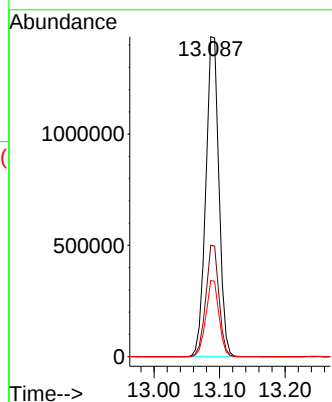
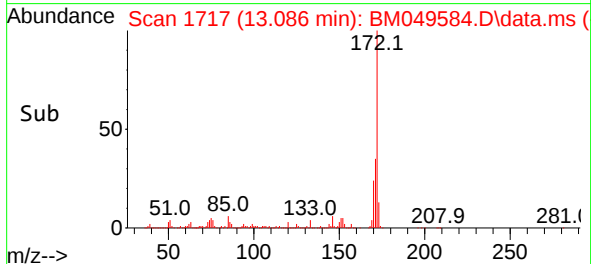
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



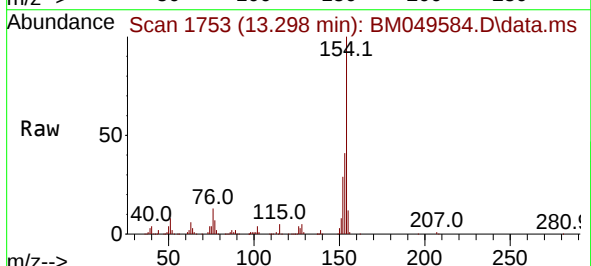
Tgt Ion:172 Resp: 200201
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.8 19.0 28.4

Manual Integrations
APPROVED

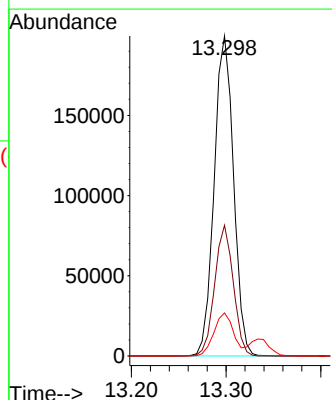
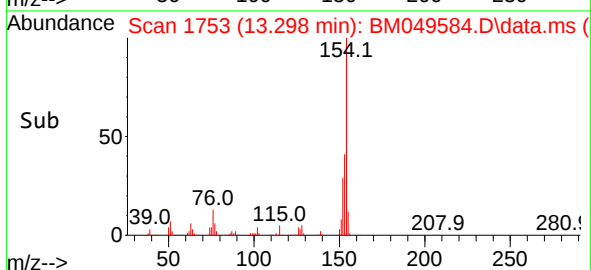
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

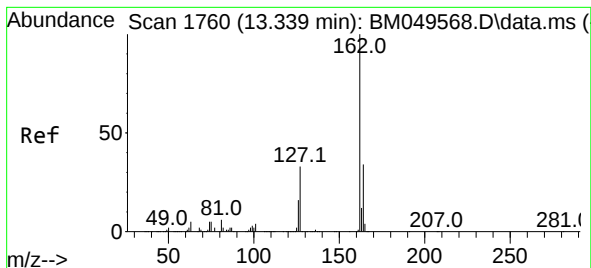


#46
1,1'-Biphenyl
Concen: 8.318 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



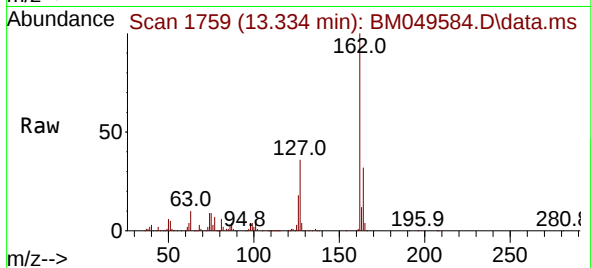
Tgt Ion:154 Resp: 283152
Ion Ratio Lower Upper
154 100
153 40.8 19.5 59.5
76 13.4 0.0 32.1





#47
2-Chloronaphthalene
Concen: 16.844 ng
RT: 13.334 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

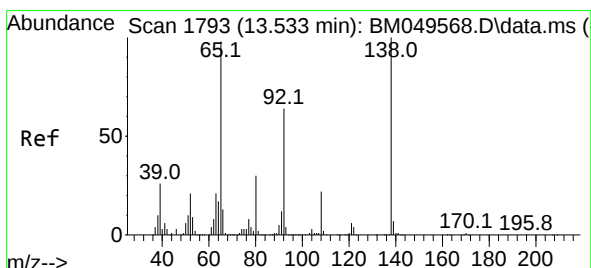
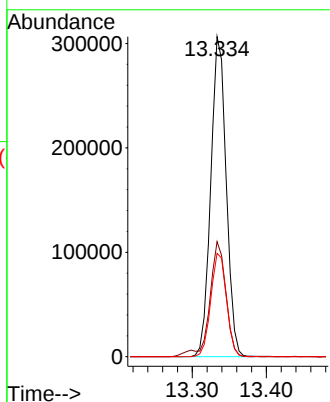
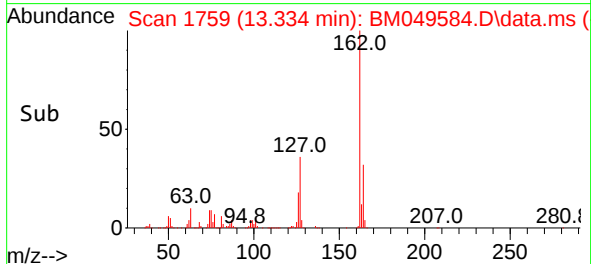
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:162 Resp: 443629
Ion Ratio Lower Upper
162 100
127 36.0 27.9 41.9
164 32.3 26.8 40.2

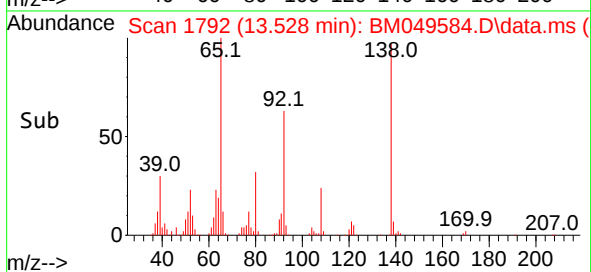
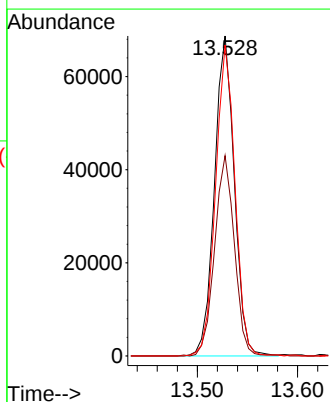
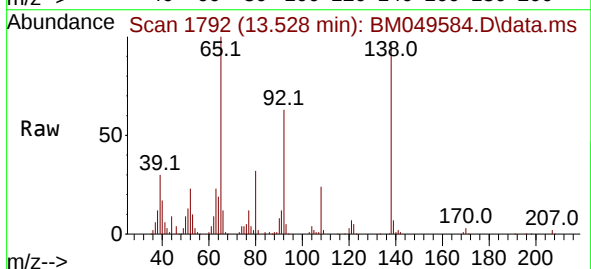
Manual Integrations
APPROVED

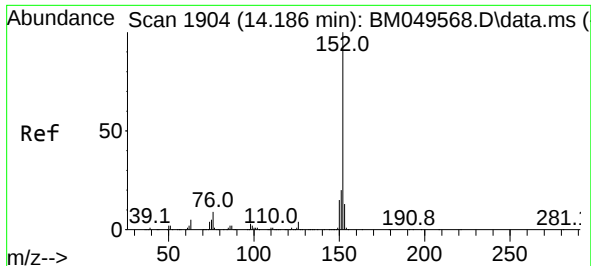
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#48
2-Nitroaniline
Concen: 15.629 ng
RT: 13.528 min Scan# 1792
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

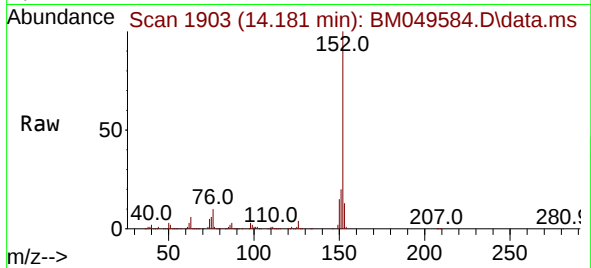
Tgt Ion: 65 Resp: 94451
Ion Ratio Lower Upper
65 100
92 62.6 52.0 78.0
138 97.2 81.6 122.4





#49
Acenaphthylene
Concen: 17.485 ng
RT: 14.181 min Scan# 1904
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

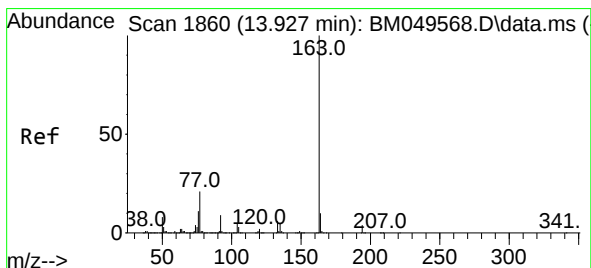
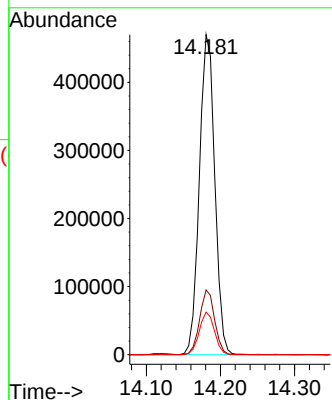
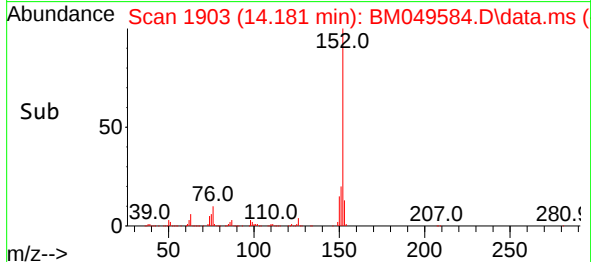
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 679030
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.3 10.6 16.0

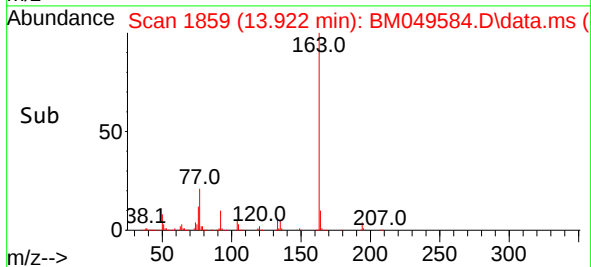
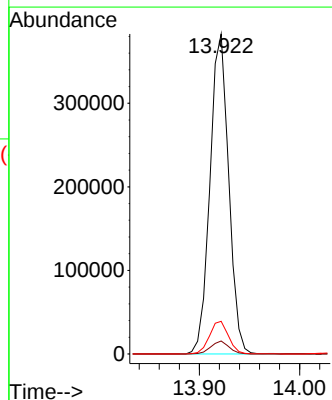
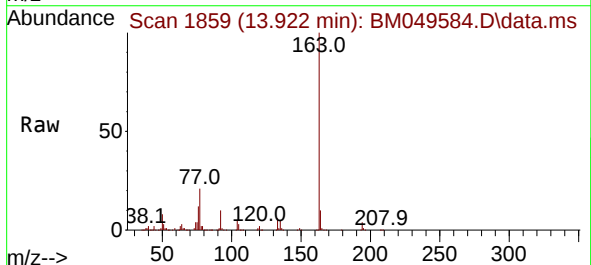
Manual Integrations
APPROVED

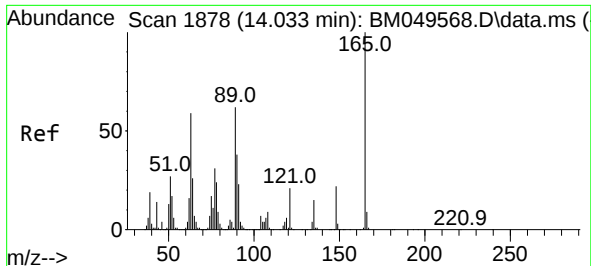
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#50
Dimethylphthalate
Concen: 15.525 ng
RT: 13.922 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

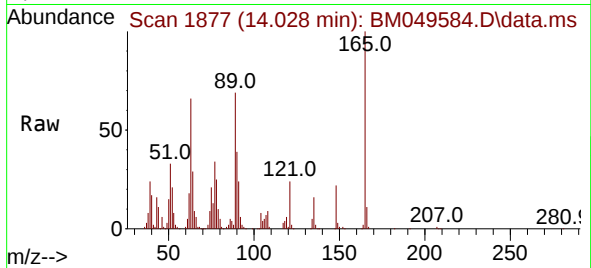
Tgt Ion:163 Resp: 497489
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 15.817 ng
RT: 14.028 min Scan# 1877
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

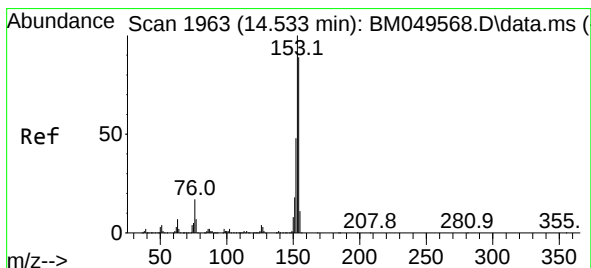
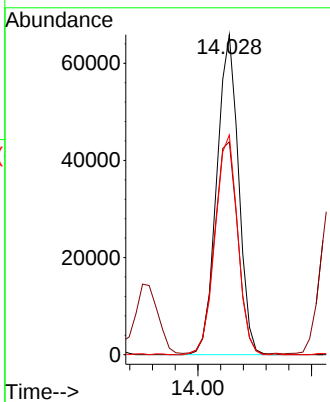
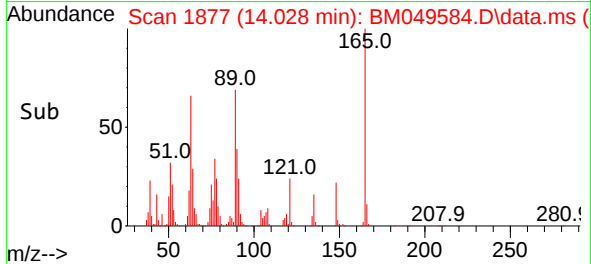
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 8770
Ion Ratio Lower Upper
165 100
63 66.5 47.8 71.6
89 68.7 49.2 73.8

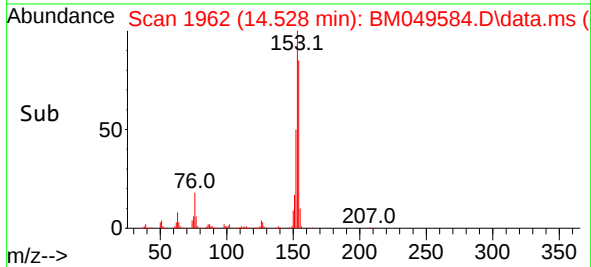
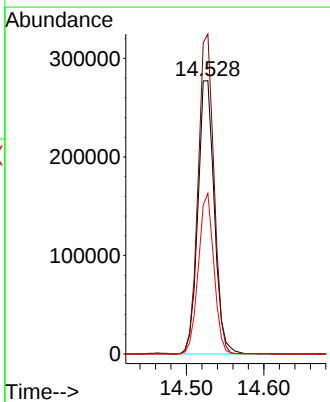
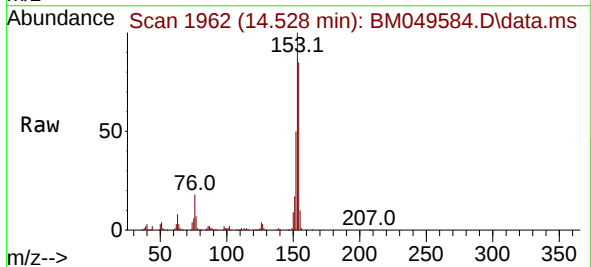
Manual Integrations
APPROVED

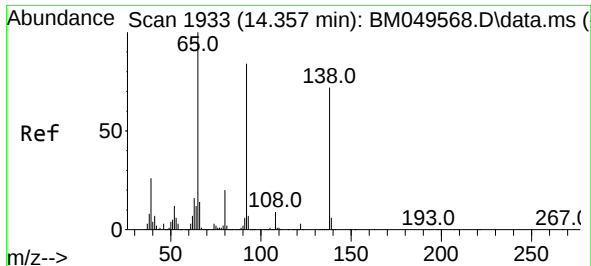
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#52
Acenaphthene
Concen: 15.792 ng
RT: 14.528 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

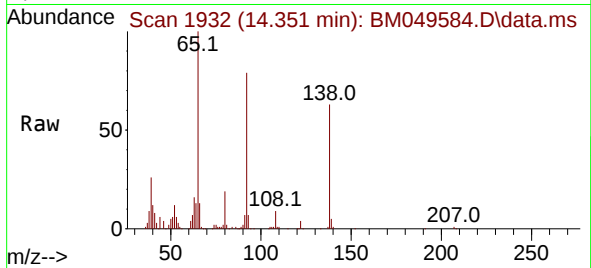
Tgt Ion:154 Resp: 407074
Ion Ratio Lower Upper
154 100
153 117.1 90.0 135.0
152 58.8 43.0 64.4





#53
3-Nitroaniline
Concen: 16.553 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

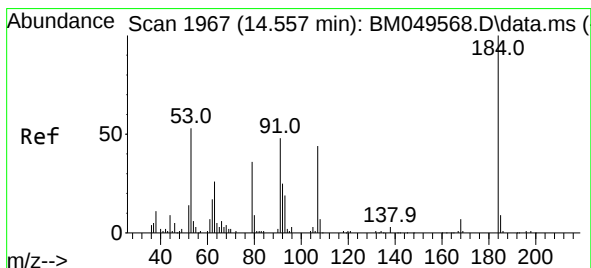
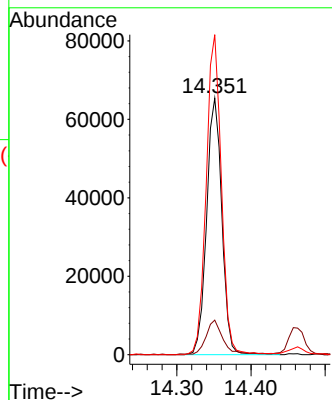
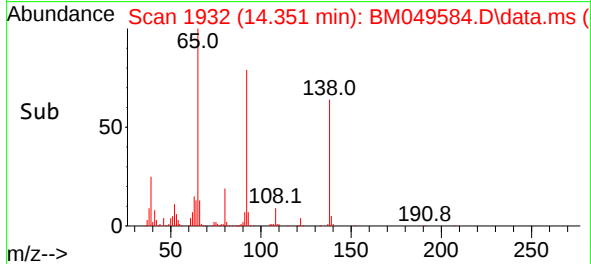
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:138 Resp: 93450
Ion Ratio Lower Upper
138 100
108 13.5 10.3 15.5
92 124.7 93.6 140.4

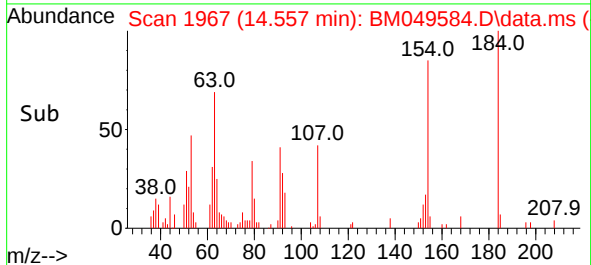
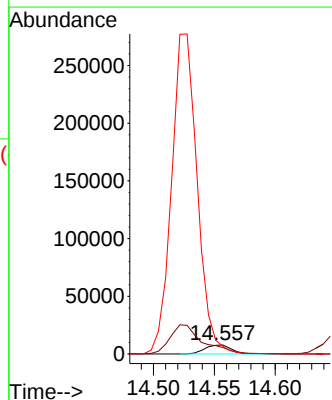
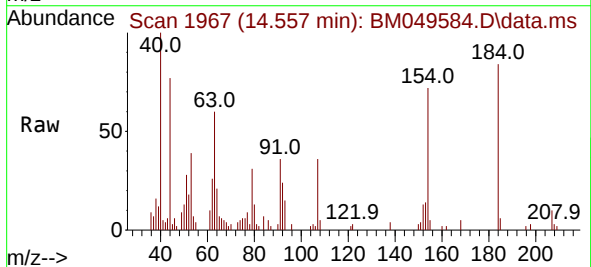
Manual Integrations
APPROVED

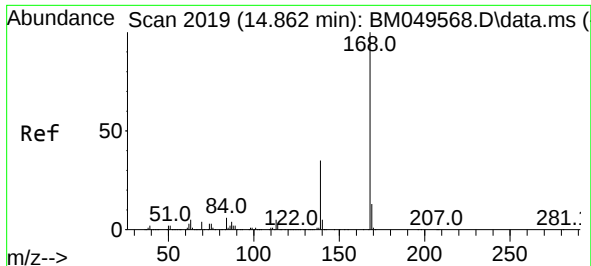
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54
2,4-Dinitrophenol
Concen: 14.975 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

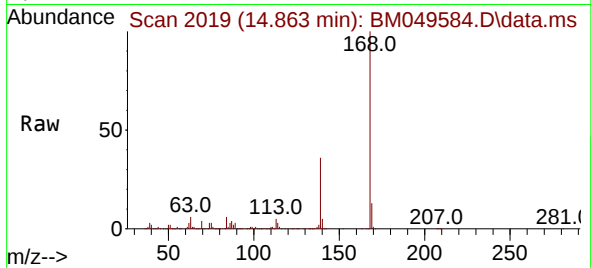
Tgt Ion:184 Resp: 11921
Ion Ratio Lower Upper
184 100
63 71.4 60.2 90.4
154 85.0 78.2 117.4





#55
Dibenzofuran
Concen: 15.791 ng
RT: 14.863 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

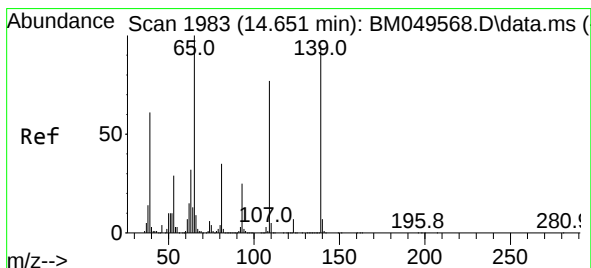
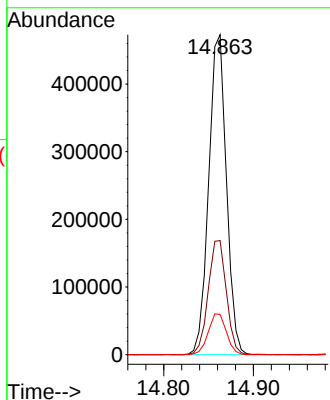
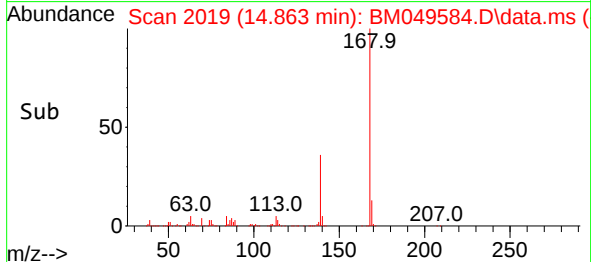
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:168 Resp: 64816
Ion Ratio Lower Upper
168 100
139 35.7 28.4 42.6
169 12.6 10.8 16.2

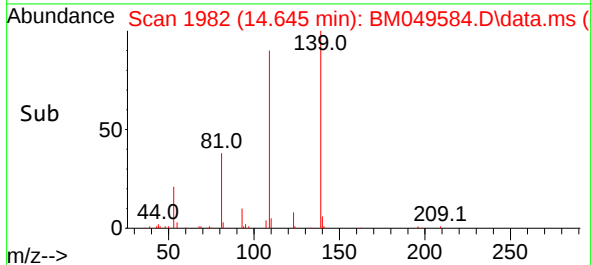
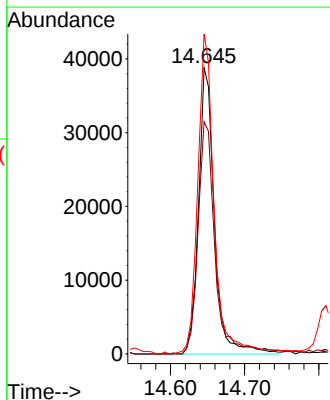
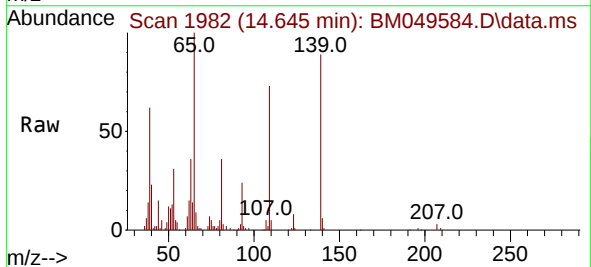
Manual Integrations
APPROVED

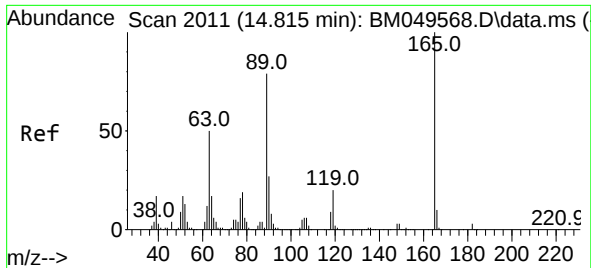
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#56
4-Nitrophenol
Concen: 12.106 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

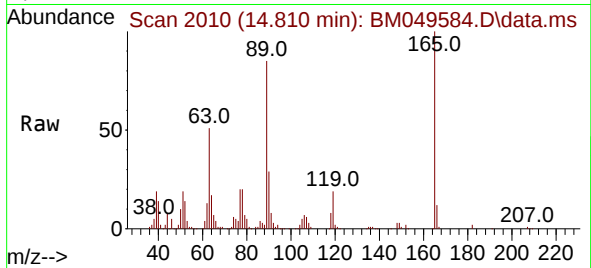
Tgt Ion:139 Resp: 57613
Ion Ratio Lower Upper
139 100
109 81.2 61.4 101.4
65 111.8 85.6 125.6





#57
2,4-Dinitrotoluene
Concen: 17.598 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

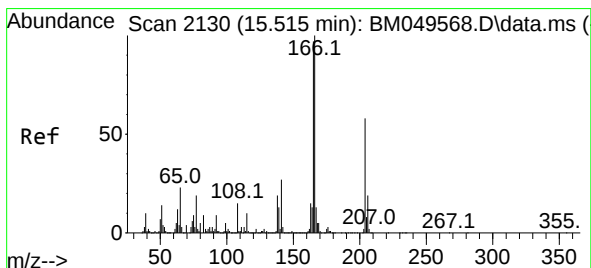
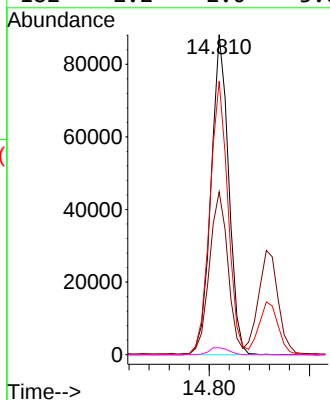
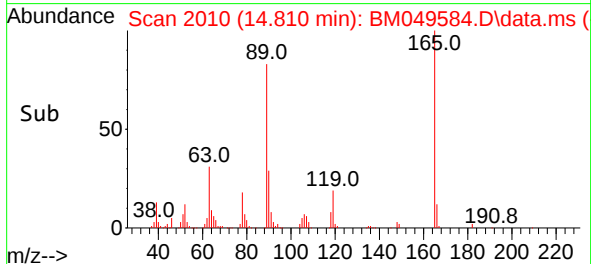
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 107685
Ion Ratio Lower Upper
165 100
63 50.9 39.8 59.6
89 85.5 63.5 95.3
182 2.2 2.0 3.0

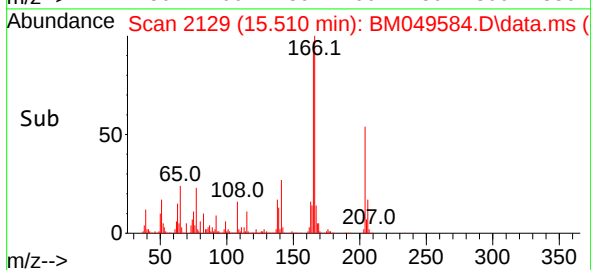
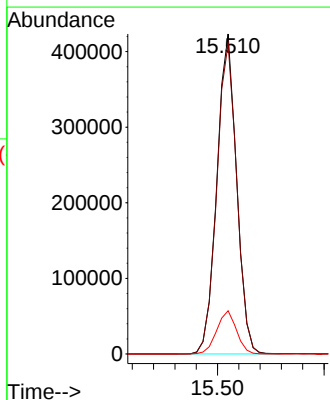
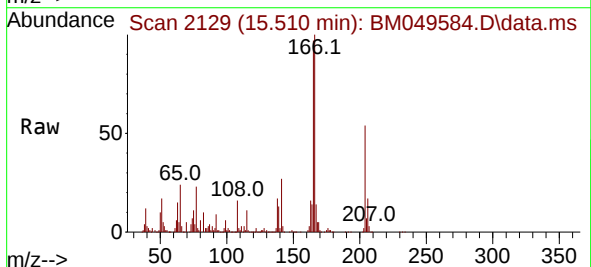
Manual Integrations
APPROVED

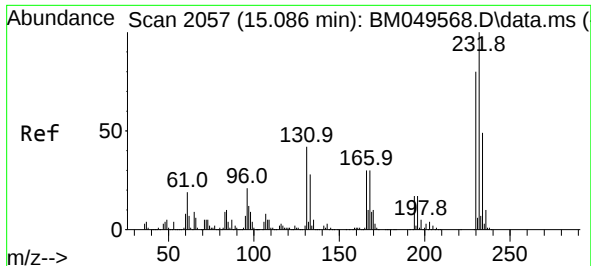
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#58
Fluorene
Concen: 15.456 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:166 Resp: 542703
Ion Ratio Lower Upper
166 100
165 96.9 77.7 116.5
167 13.5 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 14.740 ng m

RT: 15.080 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:232 Resp: 10956

Ion Ratio Lower Upper

232 100

131 38.8 34.5 51.7

130 2.2 1.9 2.9

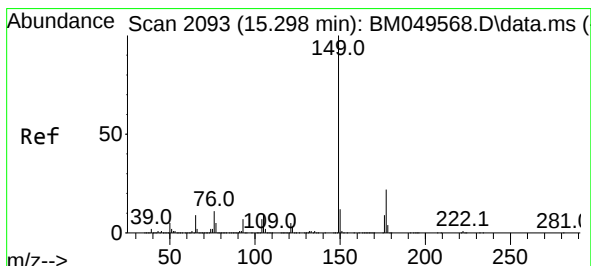
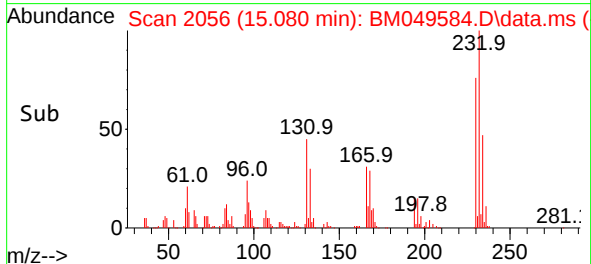
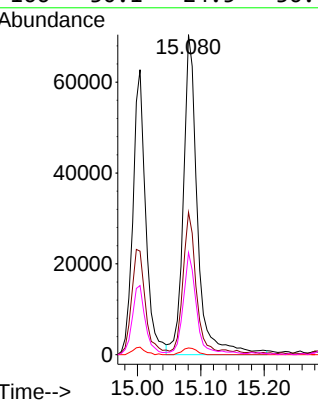
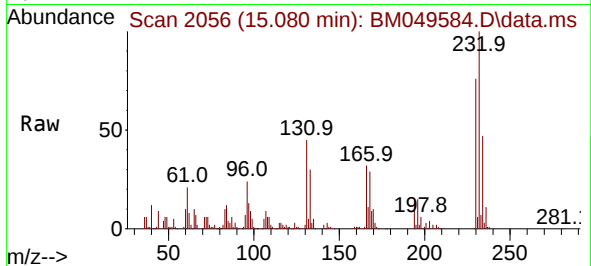
166 30.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#60

Diethylphthalate

Concen: 15.049 ng

RT: 15.286 min Scan# 2091

Delta R.T. -0.011 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

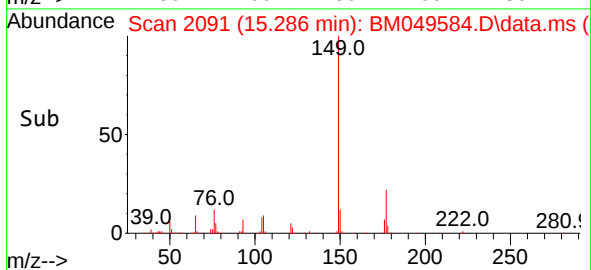
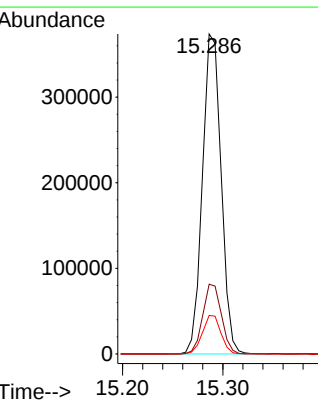
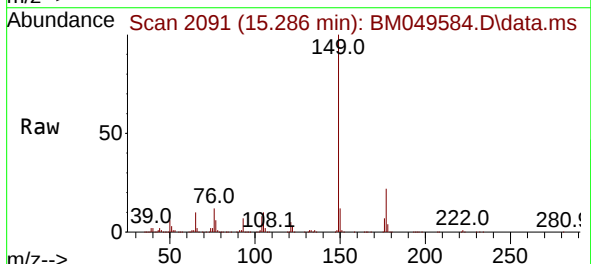
Tgt Ion:149 Resp: 484662

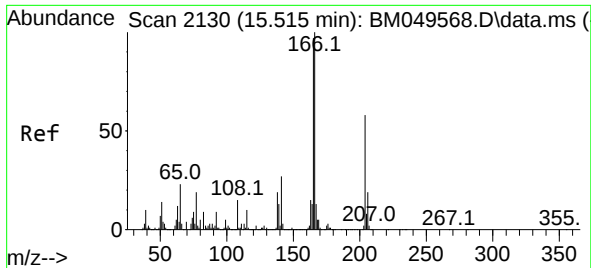
Ion Ratio Lower Upper

149 100

177 21.8 18.0 27.0

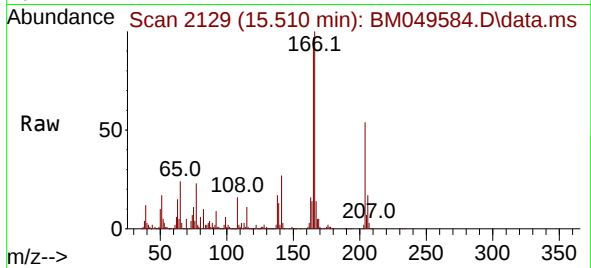
150 12.1 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 15.183 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

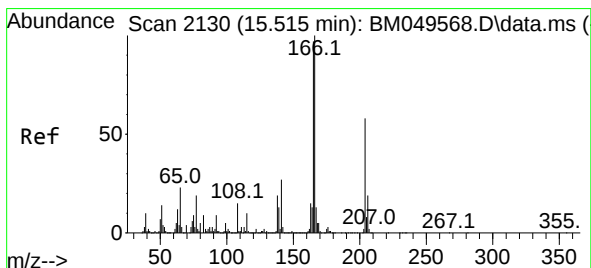
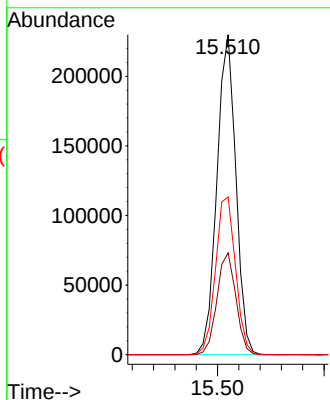
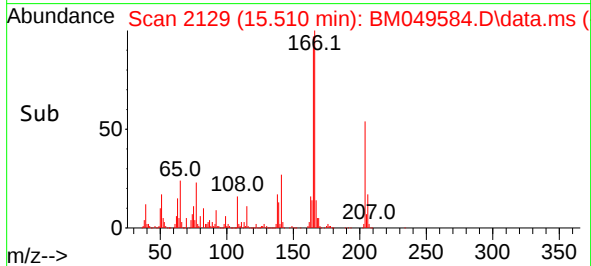
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:204 Resp: 283750
Ion Ratio Lower Upper
204 100
206 31.8 26.0 39.0
141 49.3 37.1 55.7

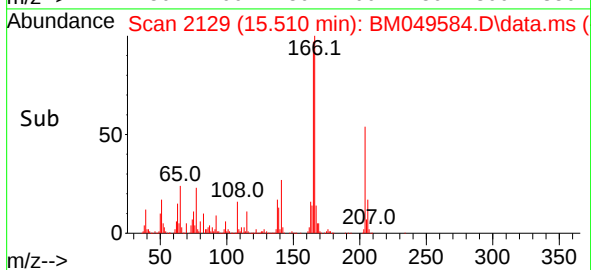
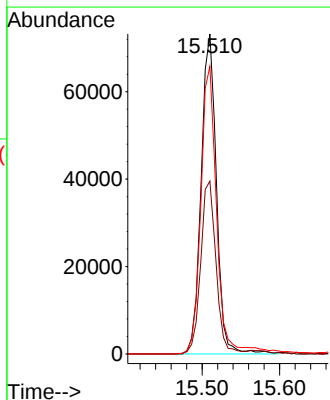
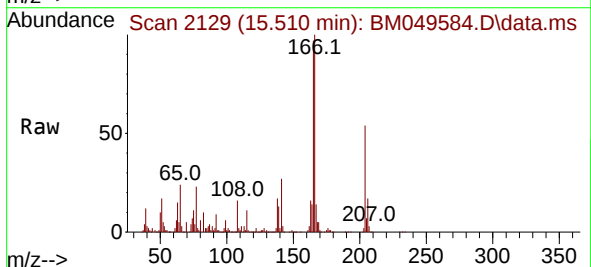
Manual Integrations
APPROVED

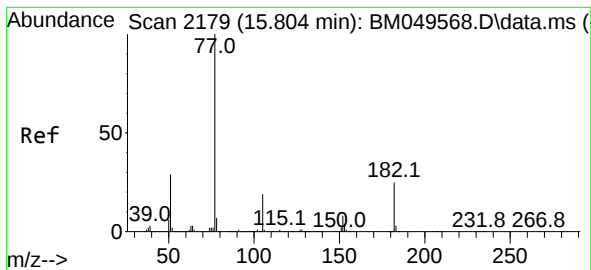
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#62
4-Nitroaniline
Concen: 15.872 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

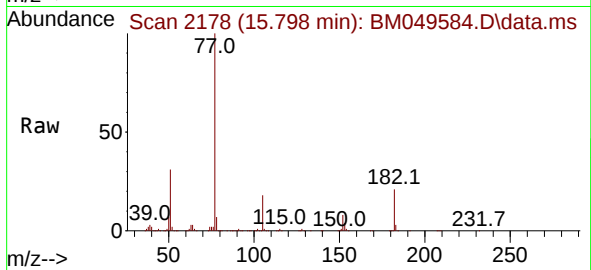
Tgt Ion:138 Resp: 100354
Ion Ratio Lower Upper
138 100
92 54.0 29.3 69.3
108 89.9 60.1 100.1





#63
Azobenzene
Concen: 16.729 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

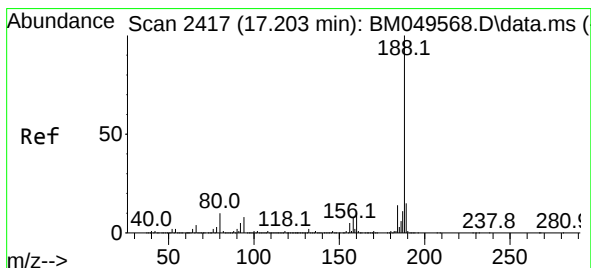
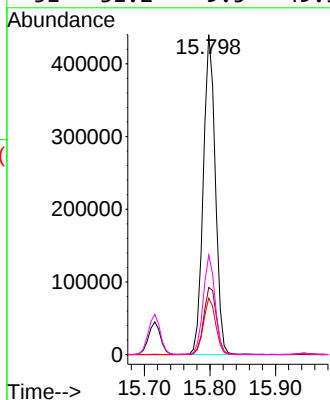
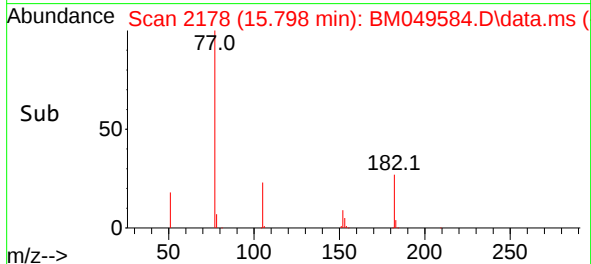
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



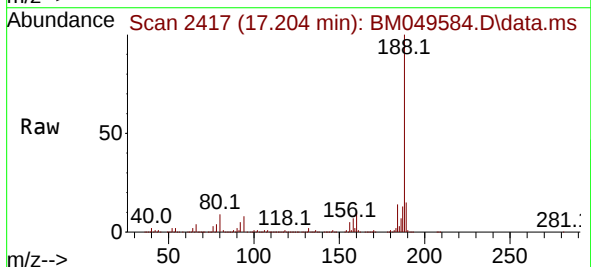
Tgt Ion: 77 Resp: 562354
Ion Ratio Lower Upper
77 100
182 21.0 4.7 44.7
105 17.7 0.0 39.3
51 31.2 9.5 49.5

Manual Integrations
APPROVED

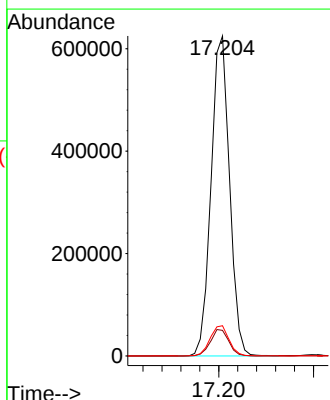
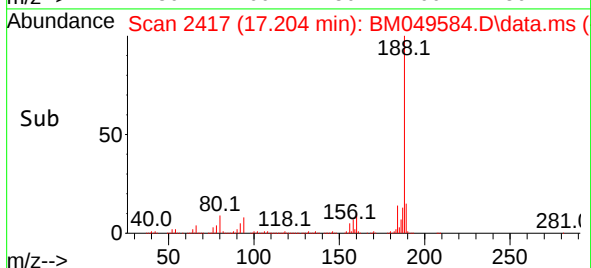
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

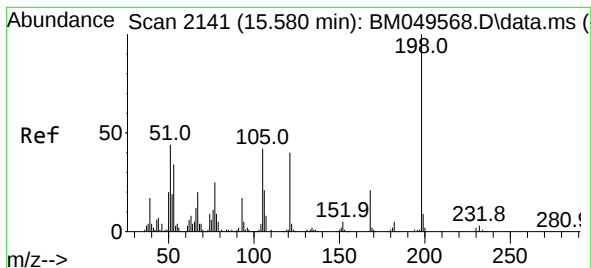


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



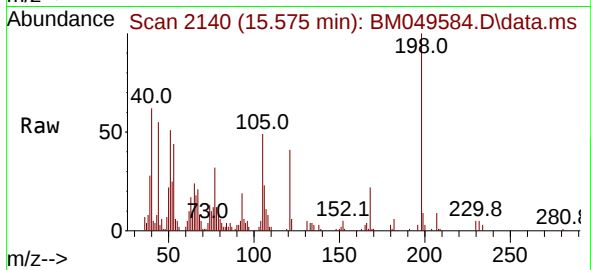
Tgt Ion:188 Resp: 846964
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.4 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 14.743 ng
RT: 15.575 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

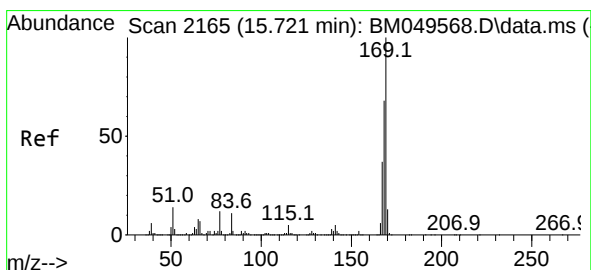
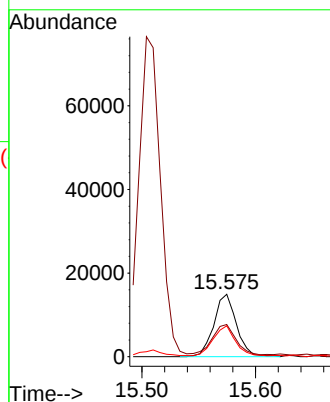
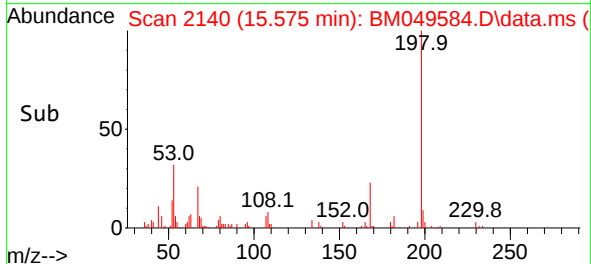
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:198 Resp: 20591
Ion Ratio Lower Upper
198 100
51 51.5 26.9 66.9
105 49.4 22.8 62.8

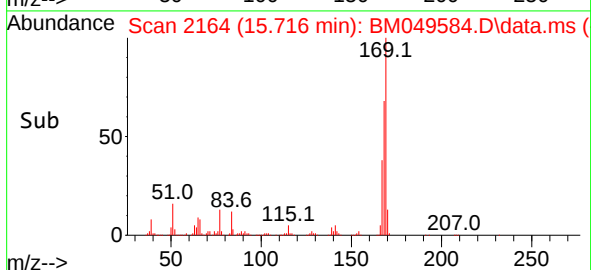
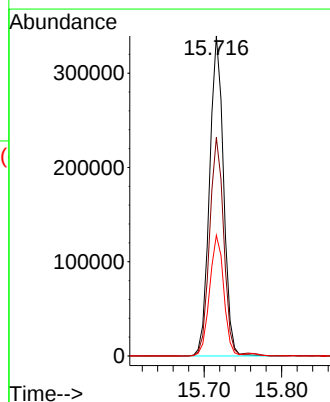
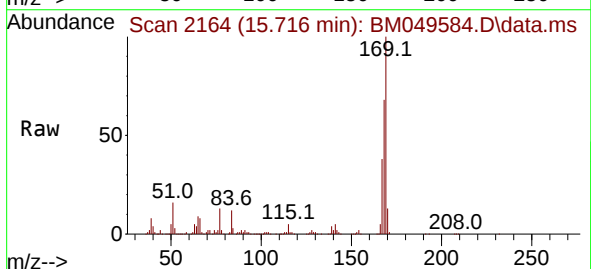
Manual Integrations
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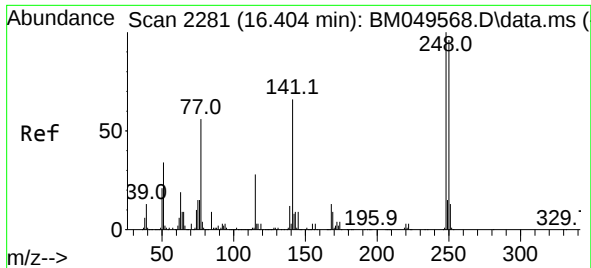
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#66
n-Nitrosodiphenylamine
Concen: 15.928 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

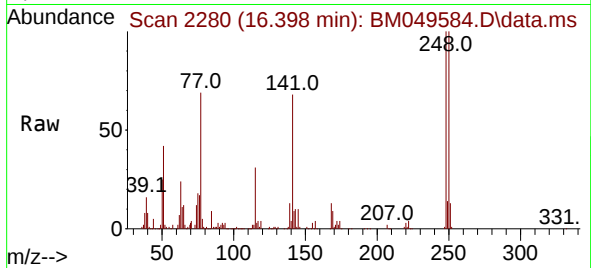
Tgt Ion:169 Resp: 425458
Ion Ratio Lower Upper
169 100
168 68.3 54.2 81.4
167 37.7 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 15.580 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

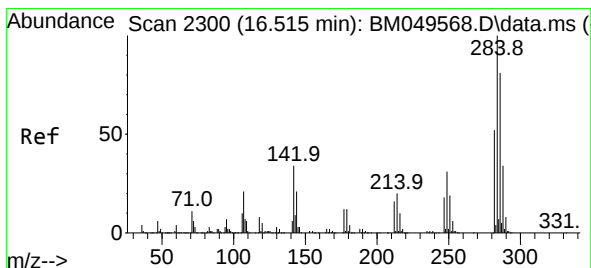
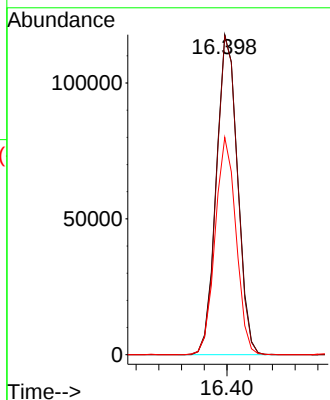
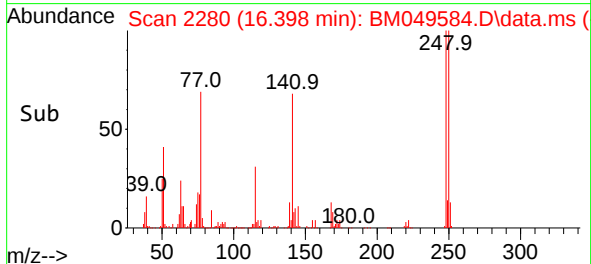
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



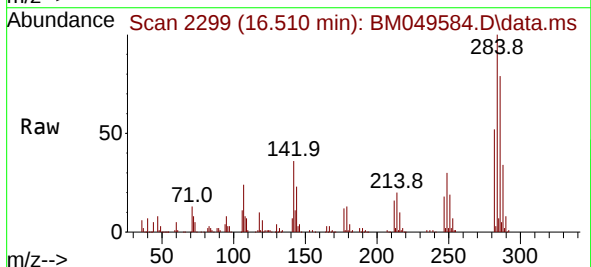
Tgt Ion:248 Resp: 15330
Ion Ratio Lower Upper
248 100
250 99.6 77.0 115.4
141 67.9 53.0 79.4

Manual Integrations
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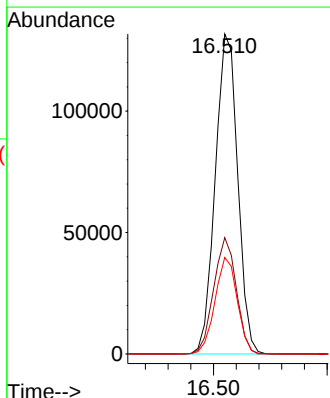
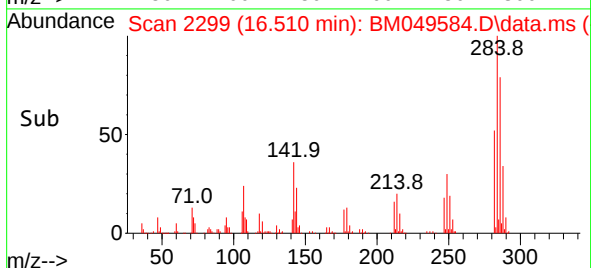
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

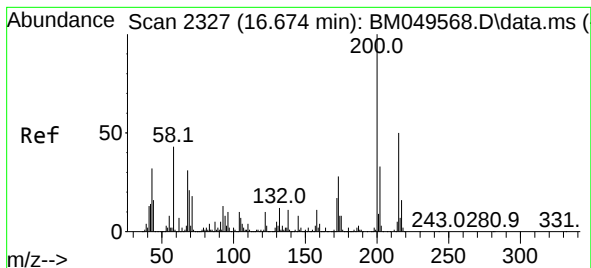


#68
Hexachlorobenzene
Concen: 16.026 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42



Tgt Ion:284 Resp: 180987
Ion Ratio Lower Upper
284 100
142 36.3 27.1 40.7
249 30.1 24.6 36.8





#69

Atrazine

Concen: 7.521 ng

RT: 16.669 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049584.D

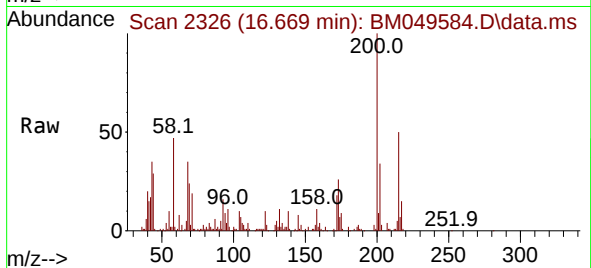
Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

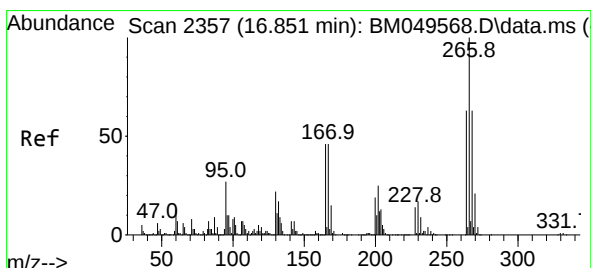
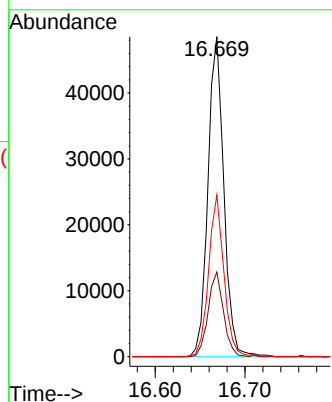


Tgt Ion:	200	Resp:	59719
Ion Ratio	Lower	Upper	
200	100		
173	26.4	7.6	47.6
215	50.5	30.2	70.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#70

Pentachlorophenol

Concen: 14.933 ng

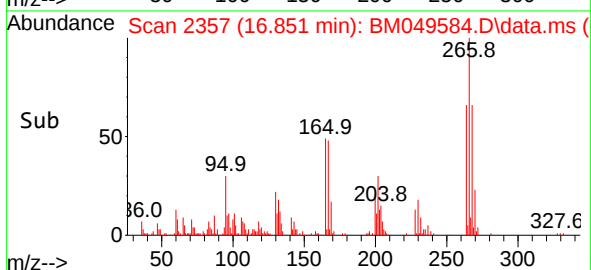
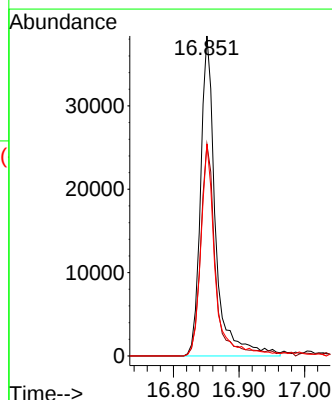
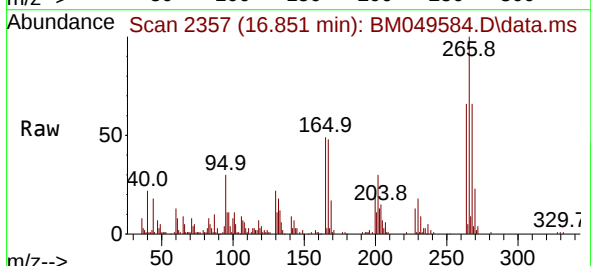
RT: 16.851 min Scan# 2357

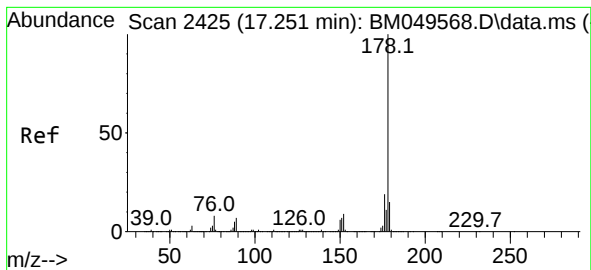
Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:	266	Resp:	60909
Ion Ratio	Lower	Upper	
266	100		
268	66.2	50.8	76.2
264	66.3	50.0	75.0





#71

Phenanthrene

Concen: 16.017 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

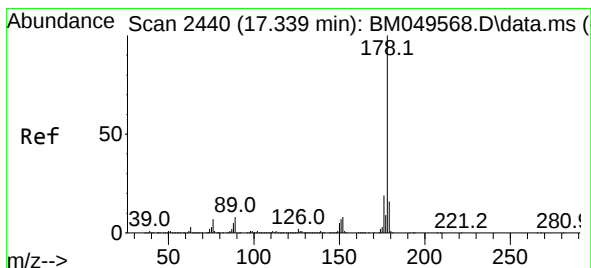
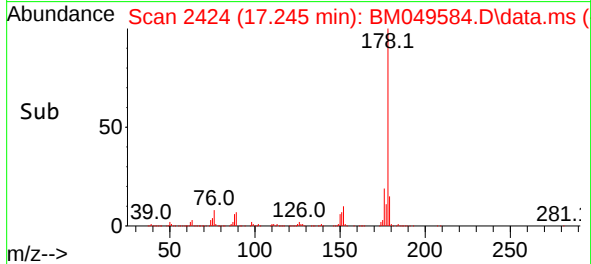
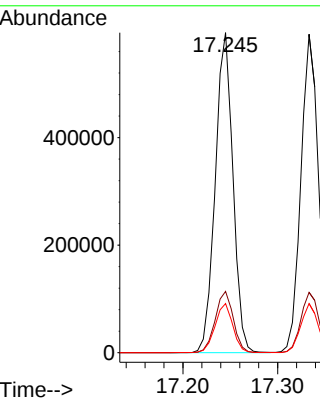
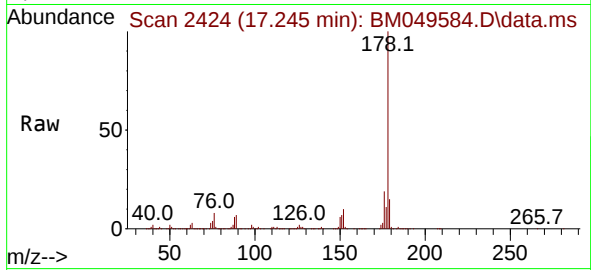
LOQ-SOIL-02-QT1-2025

Tgt Ion:178 Resp: 77282
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.4 12.2 18.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#72

Anthracene

Concen: 16.025 ng

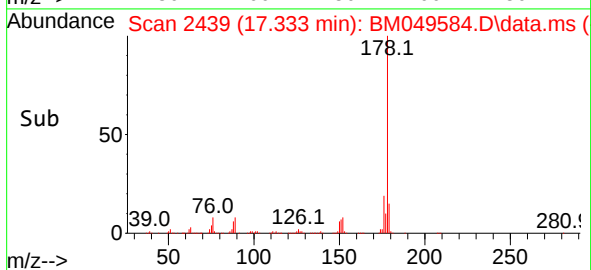
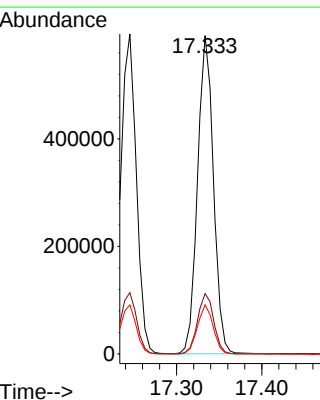
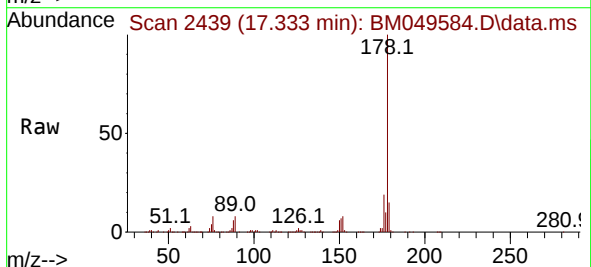
RT: 17.333 min Scan# 2439

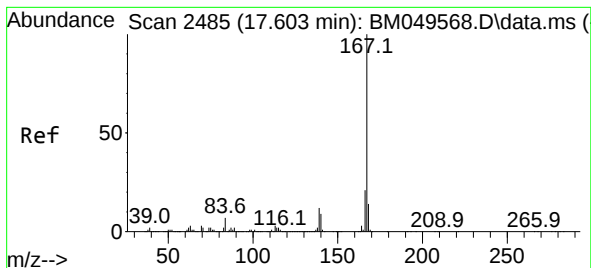
Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:178 Resp: 765624
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.5 12.4 18.6





#73

Carbazole

Concen: 16.152 ng

RT: 17.598 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BM049584.D

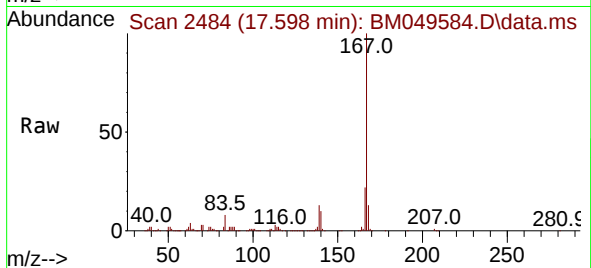
Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:167 Resp: 67728

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

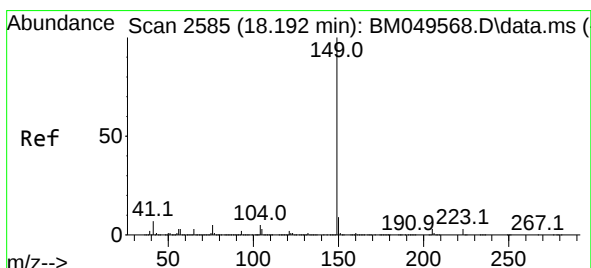
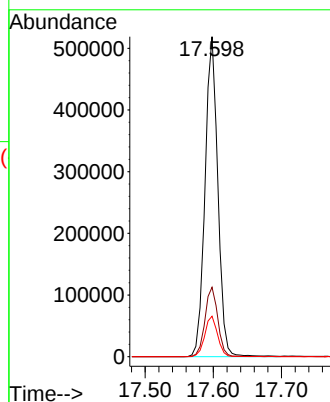
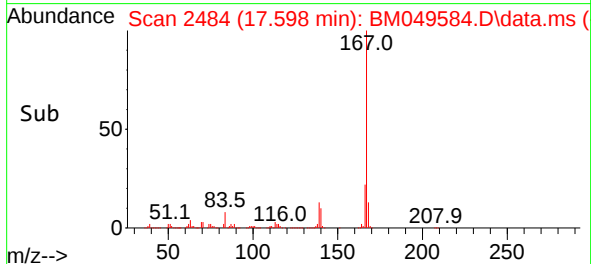
139 12.7 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#74

Di-n-butylphthalate

Concen: 13.586 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

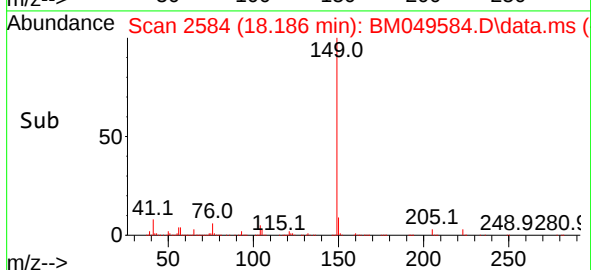
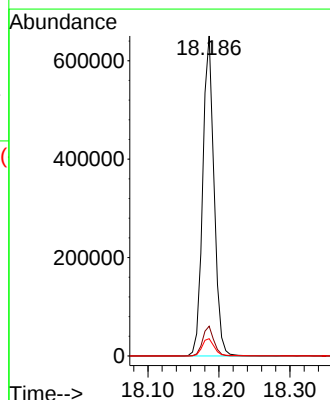
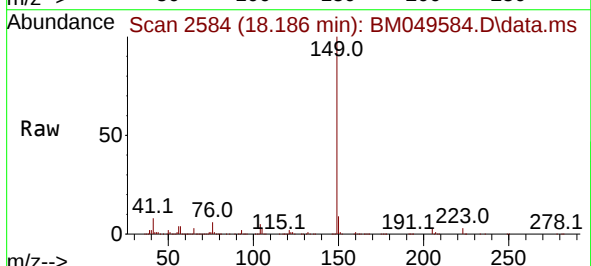
Tgt Ion:149 Resp: 722900

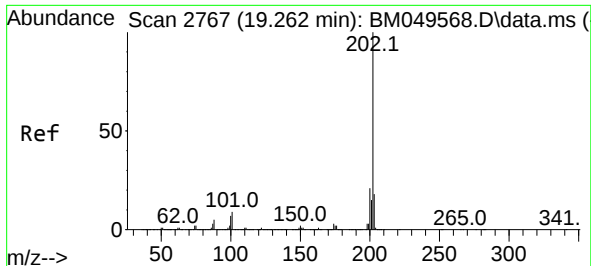
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

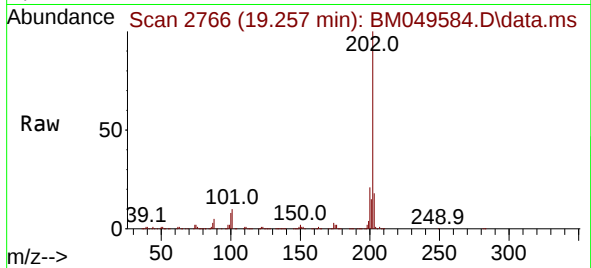
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 14.538 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

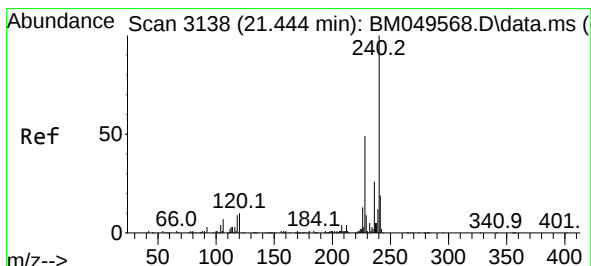
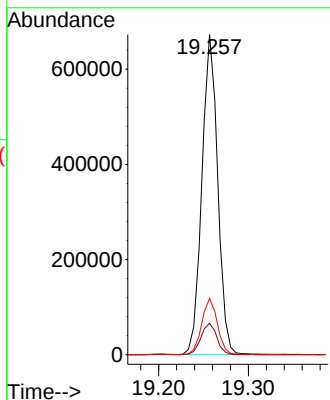
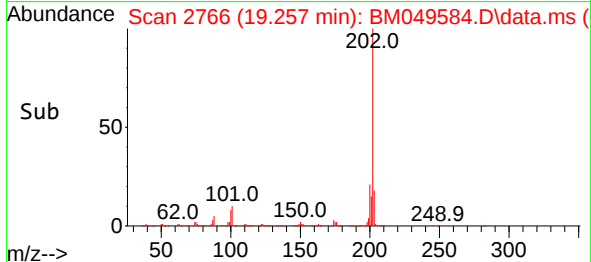
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:202 Resp: 821250
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.1
203 17.6 0.0 37.5

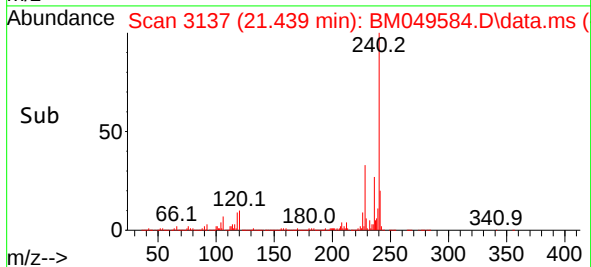
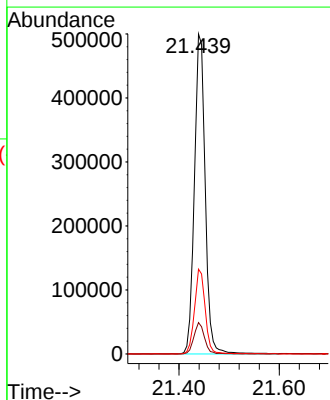
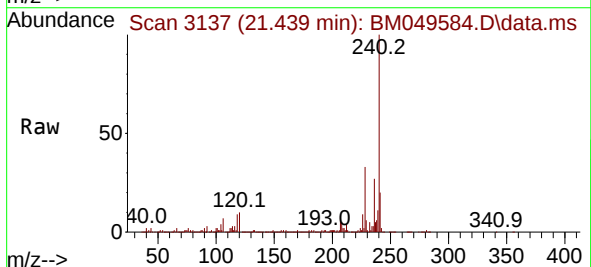
Manual Integrations
APPROVED

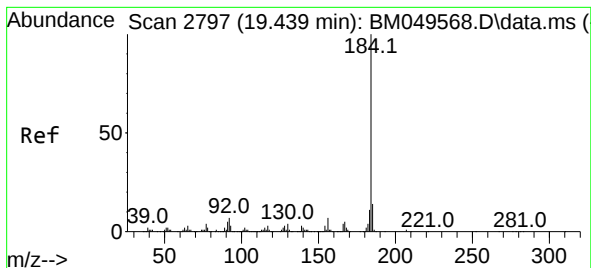
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:240 Resp: 747530
Ion Ratio Lower Upper
240 100
120 9.8 7.8 11.8
236 26.5 20.6 31.0





#77

Benzidine

Concen: 9.299 ng

RT: 19.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

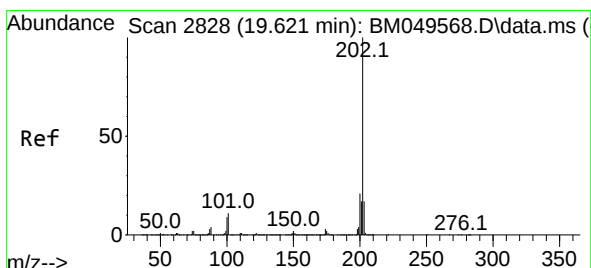
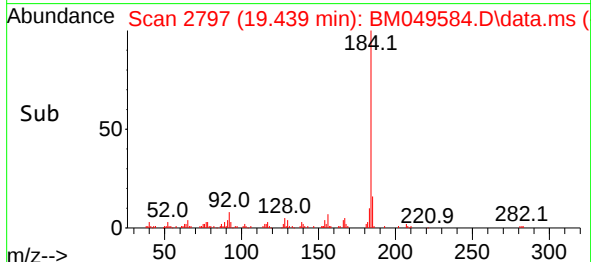
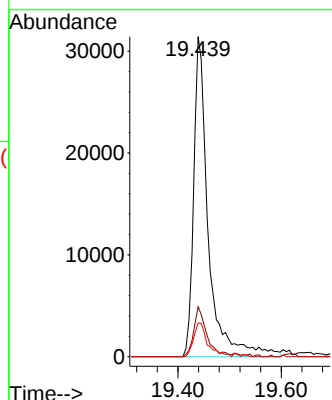
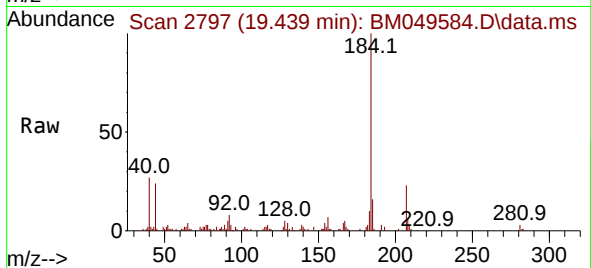
Tgt Ion:184 Resp: 6155

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.6	17.4
183	10.5	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#78

Pyrene

Concen: 15.192 ng

RT: 19.621 min Scan# 2828

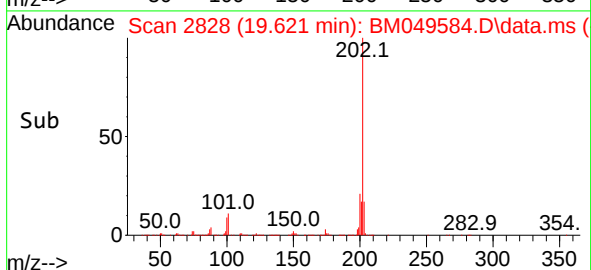
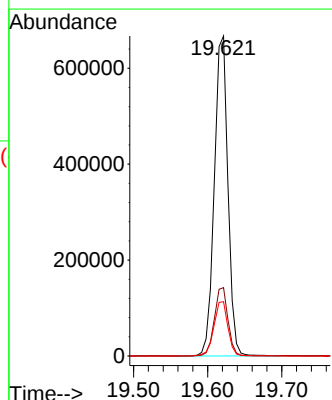
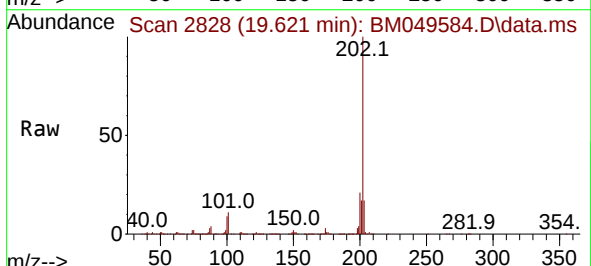
Delta R.T. 0.000 min

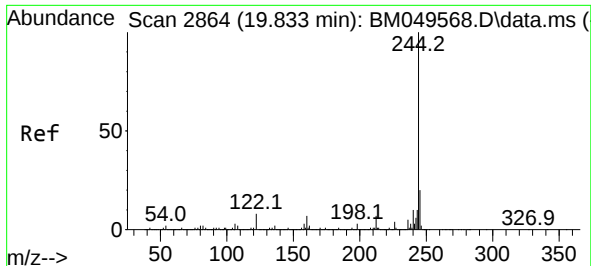
Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:202 Resp: 850322

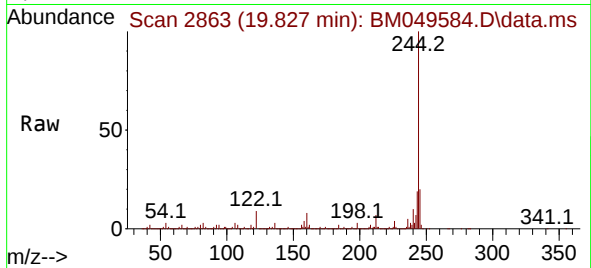
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.0	13.8	20.8





#79
 Terphenyl-d14
 Concen: 59.973 ng
 RT: 19.827 min Scan# 2863
 Delta R.T. -0.006 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

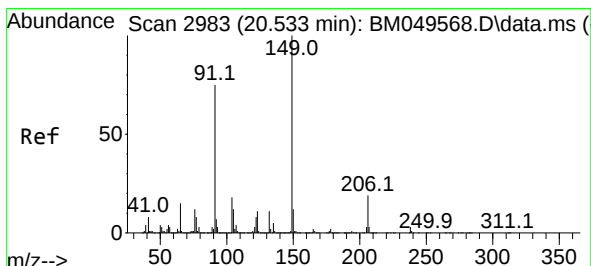
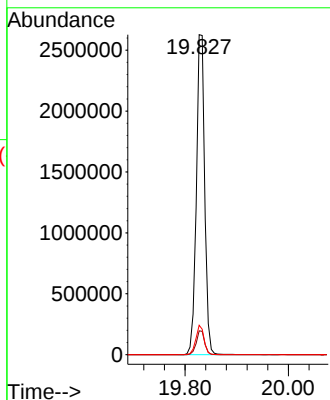
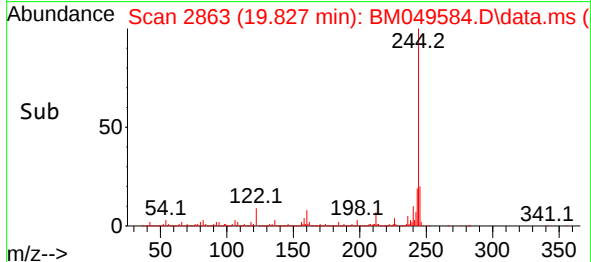
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:244 Resp: 293583
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.2 6.2 9.2

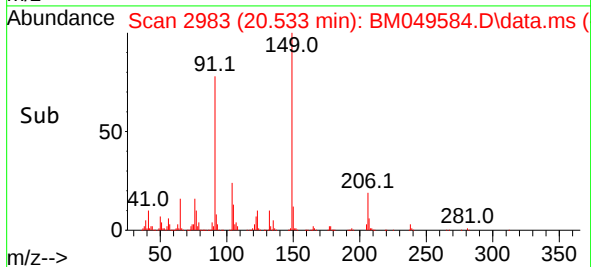
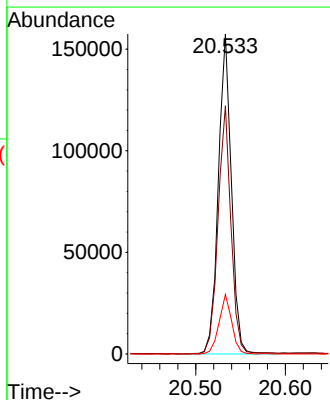
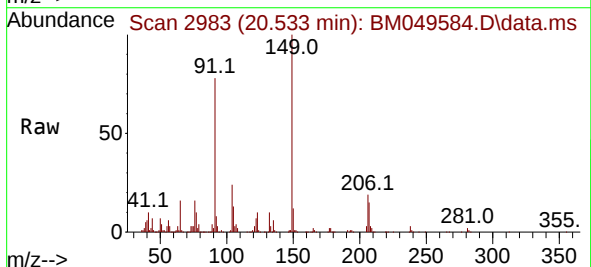
Manual Integrations
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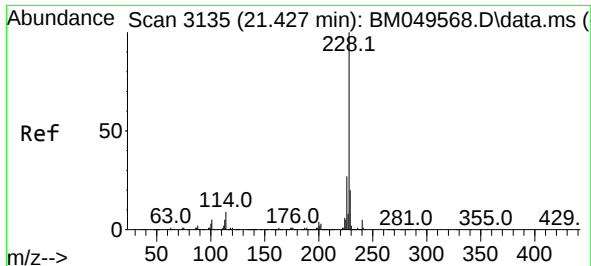
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#80
 Butylbenzylphthalate
 Concen: 9.120 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. 0.000 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

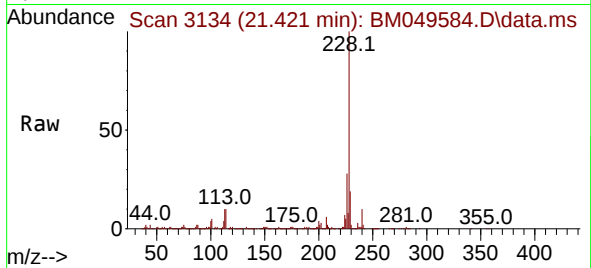
Tgt Ion:149 Resp: 158848
 Ion Ratio Lower Upper
 149 100
 91 77.6 60.2 90.2
 206 18.6 15.4 23.0





#81
Benzo(a)anthracene
Concen: 15.884 ng
RT: 21.421 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

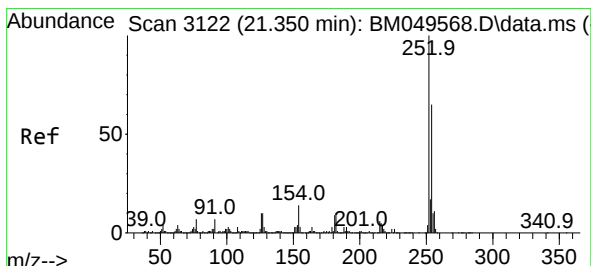
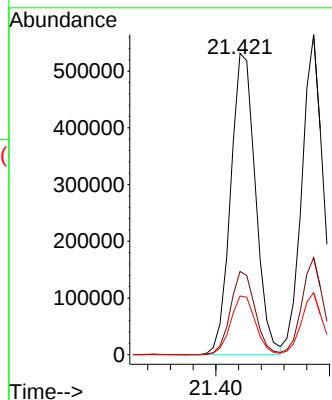
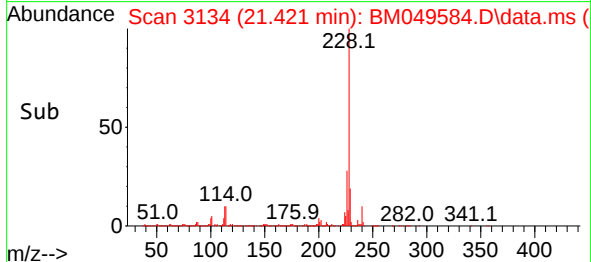
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:228 Resp: 804720
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 19.5 15.7 23.5

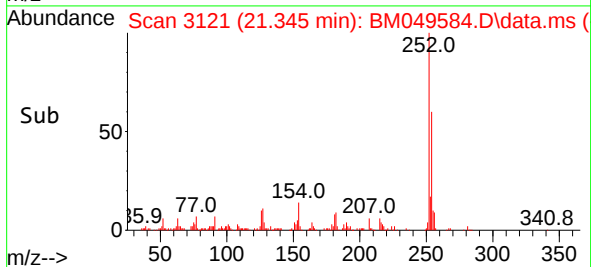
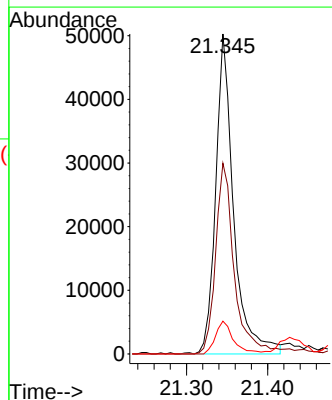
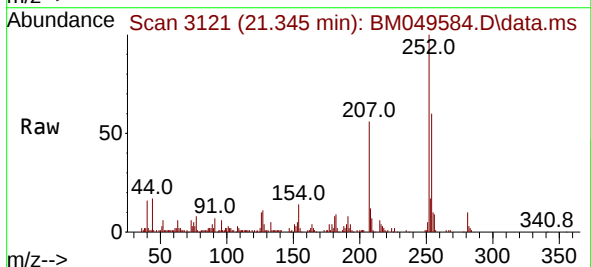
Manual Integrations
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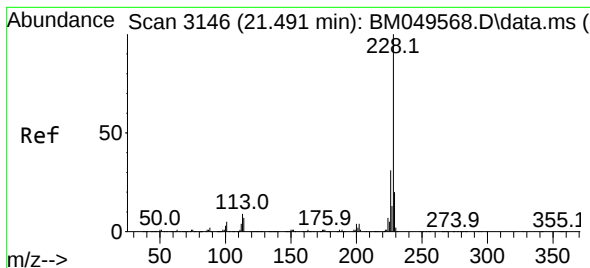
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#82
3,3'-Dichlorobenzidine
Concen: 5.643 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:252 Resp: 76924
Ion Ratio Lower Upper
252 100
254 59.6 52.1 78.1
126 10.3 7.8 11.6





#83

Chrysene

Concen: 15.962 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

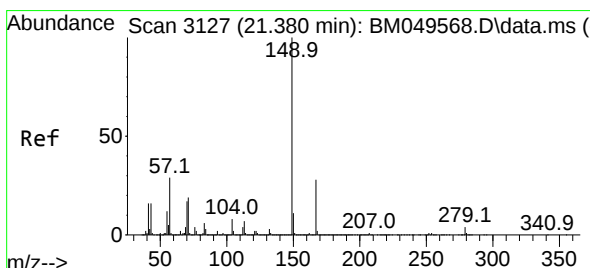
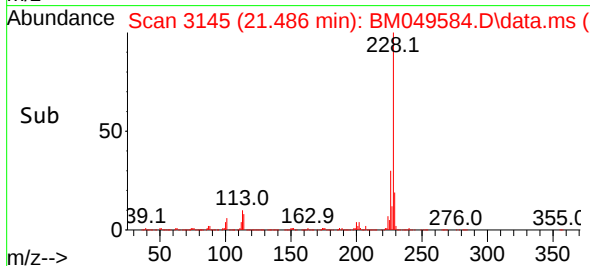
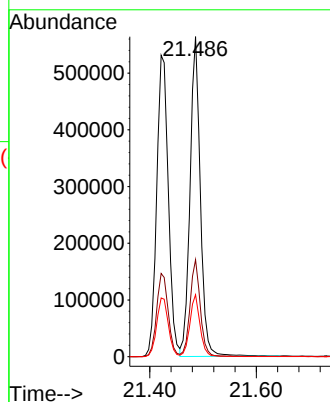
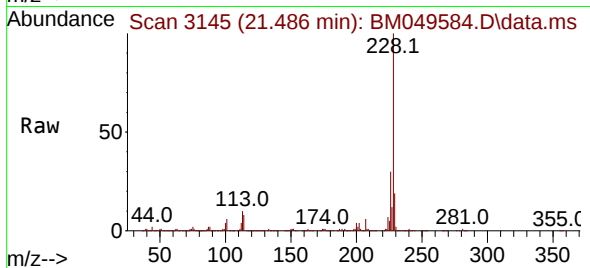
LOQ-SOIL-02-QT1-2025

Tgt Ion:228 Resp: 757630
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.5 36.7
 229 19.3 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.690 ng

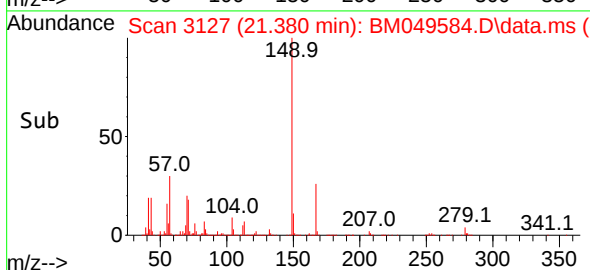
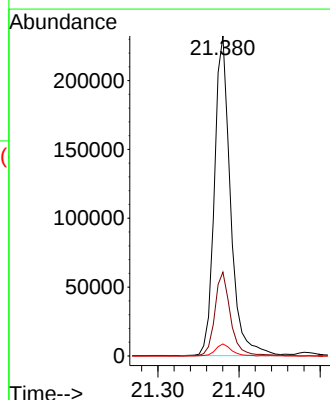
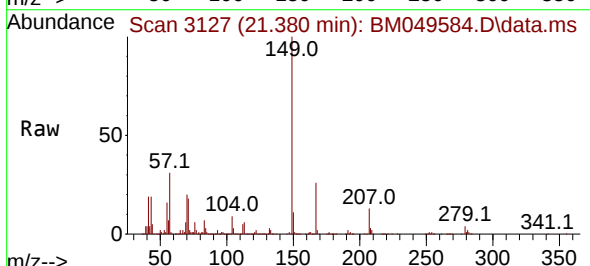
RT: 21.380 min Scan# 3127

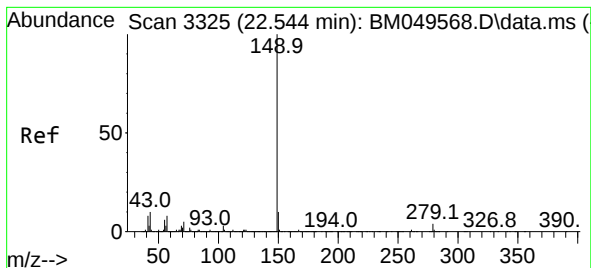
Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:149 Resp: 319192
 Ion Ratio Lower Upper
 149 100
 167 26.2 22.1 33.1
 279 3.8 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 8.556 ng

RT: 22.539 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049584.D

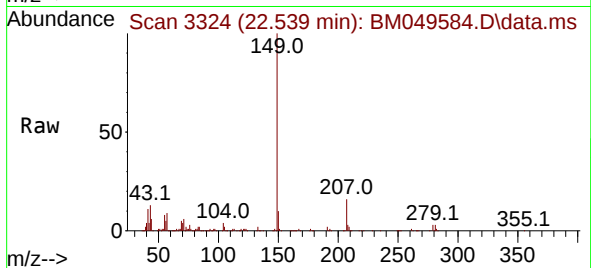
Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:149 Resp: 40300

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

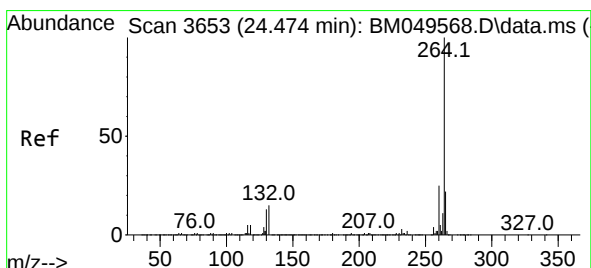
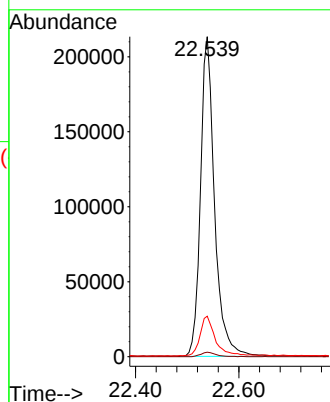
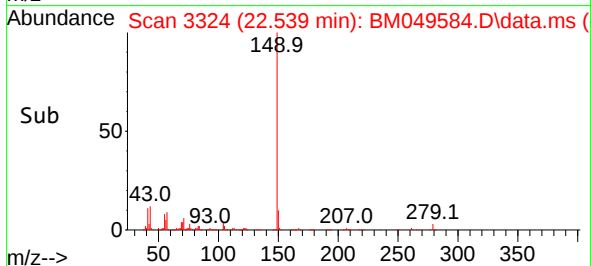
43 13.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

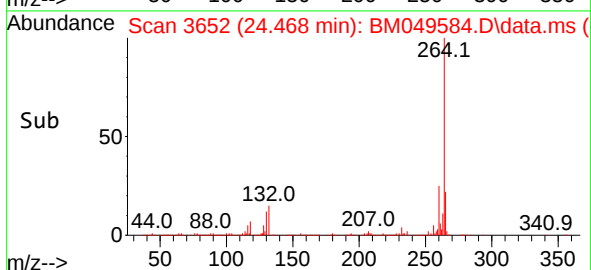
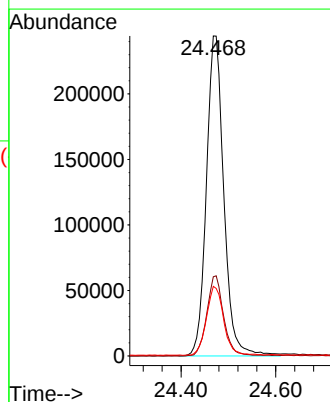
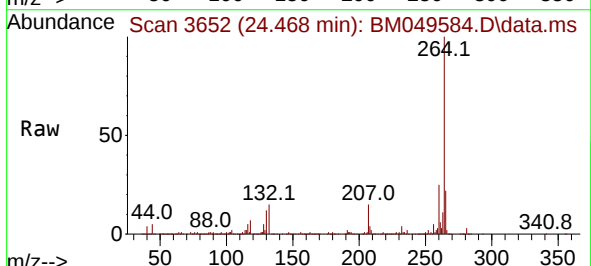
Tgt Ion:264 Resp: 624371

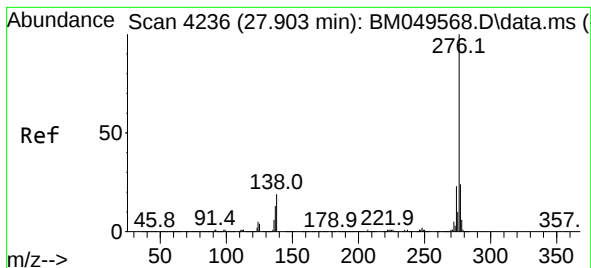
Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.6

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.995 ng

RT: 27.886 min Scan# 4233

Delta R.T. -0.017 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

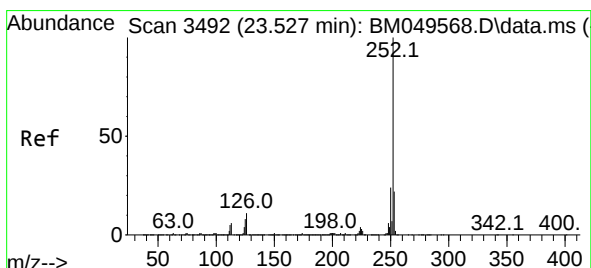
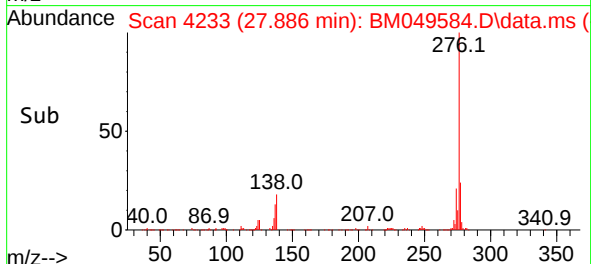
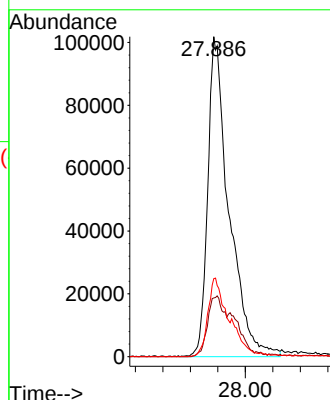
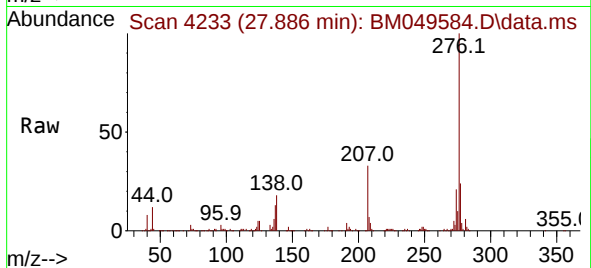
Tgt Ion:276 Resp: 54539

Ion	Ratio	Lower	Upper
276	100		
138	14.7	13.1	19.7
277	24.4	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#88

Benzo(b)fluoranthene

Concen: 14.873 ng

RT: 23.515 min Scan# 3490

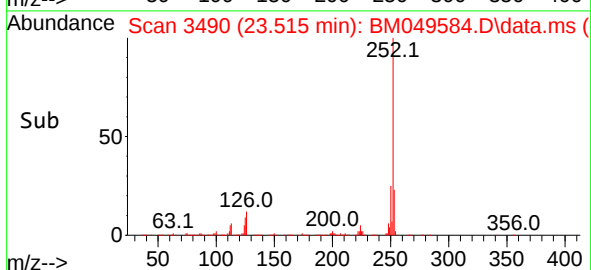
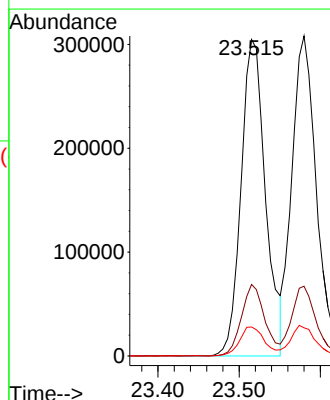
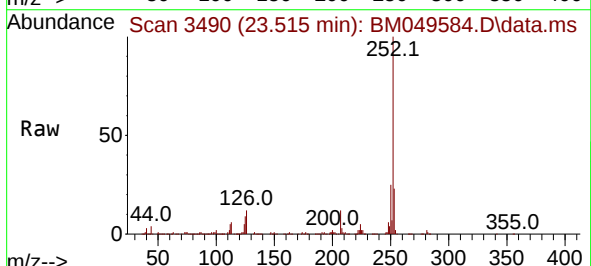
Delta R.T. -0.011 min

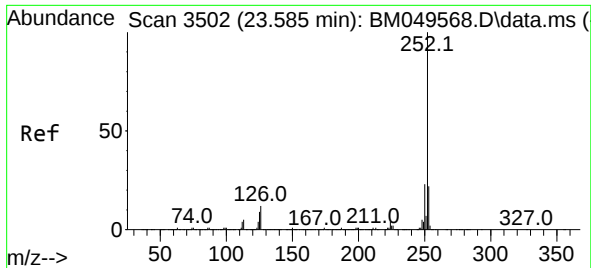
Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:252 Resp: 638837

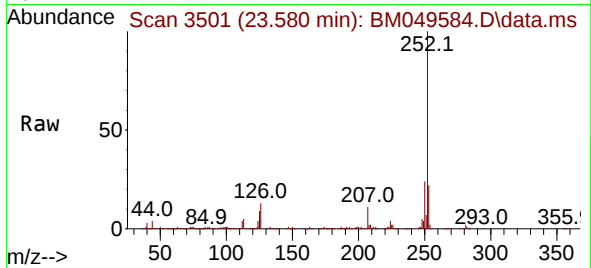
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	9.1	6.6	10.0





#89
Benzo(k)fluoranthene
Concen: 15.527 ng
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

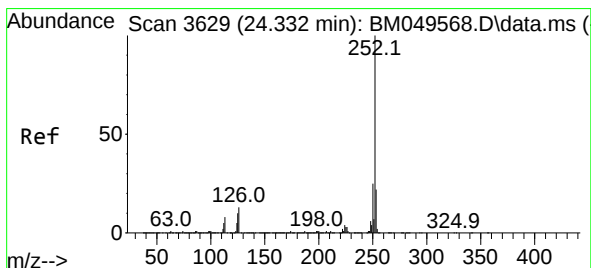
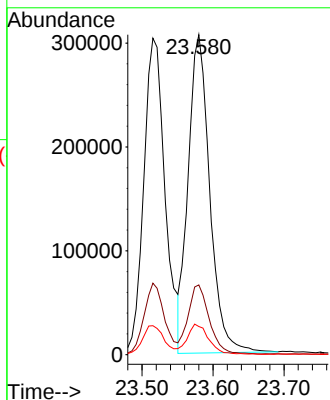
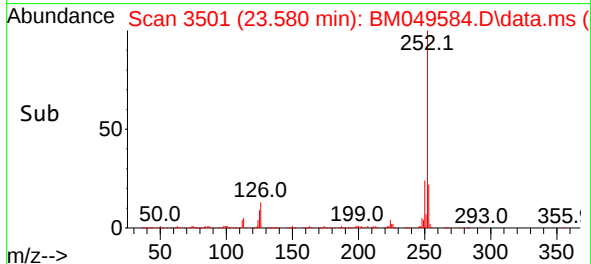
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:252 Resp: 647750
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 8.8 7.0 10.6

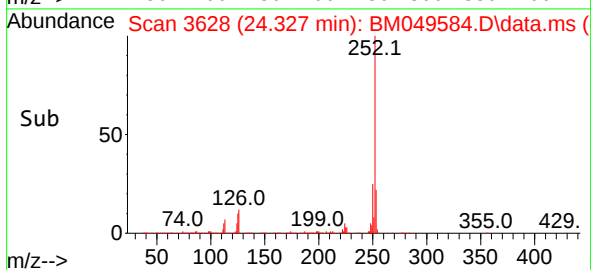
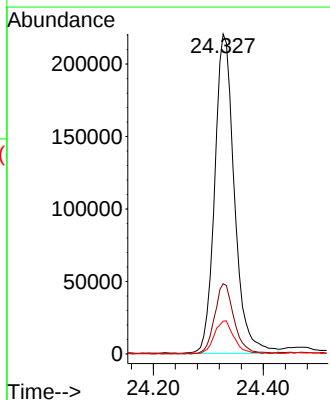
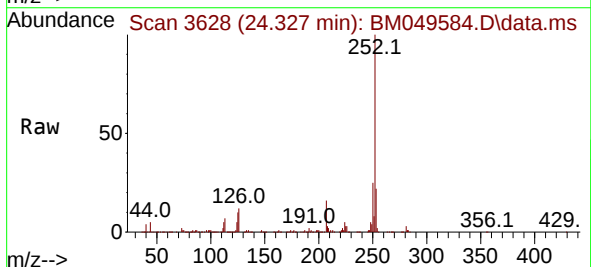
Manual Integrations
APPROVED

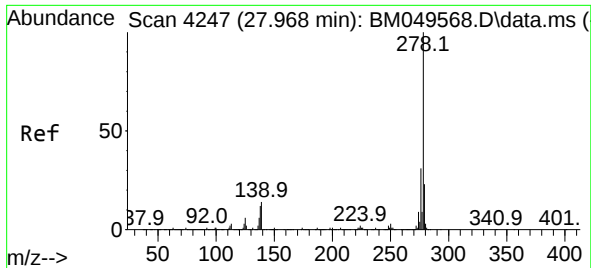
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#90
Benzo(a)pyrene
Concen: 16.128 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

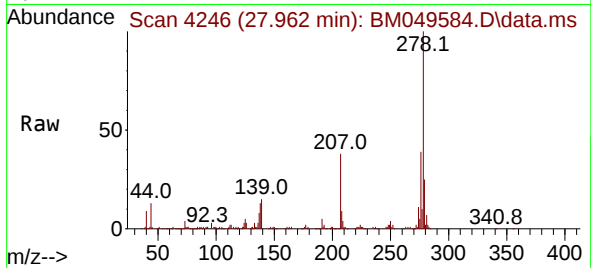
Tgt Ion:252 Resp: 548970
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.2 8.2 12.2





#91
Dibenzo(a,h)anthracene
Concen: 15.309 ng
RT: 27.962 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

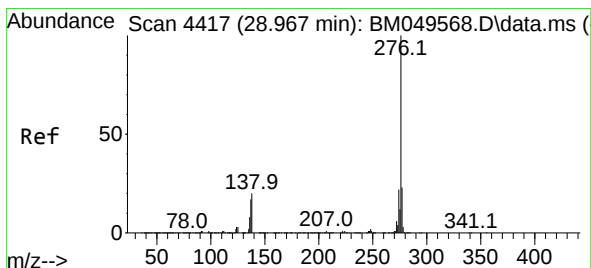
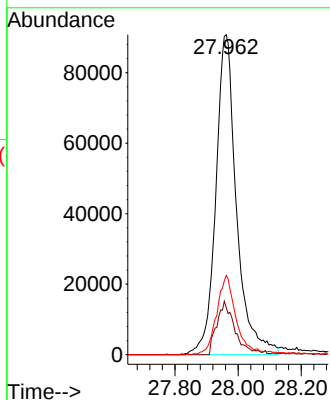
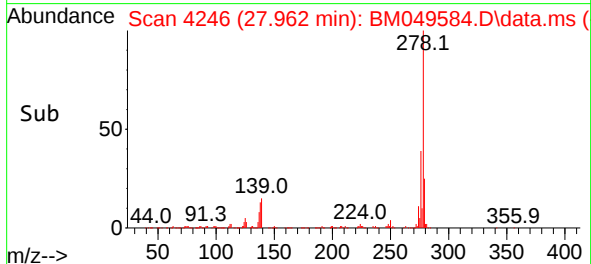
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:278 Resp: 41256
Ion Ratio Lower Upper
278 100
139 14.7 11.5 17.3
279 24.7 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#92
Benzo(g,h,i)perylene
Concen: 14.894 ng
RT: 28.950 min Scan# 4414
Delta R.T. -0.017 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:276 Resp: 448387
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 21.3 16.0 24.0

