

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049583.D
 Acq On : 06 Feb 2025 17:03
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 06 18:13:26 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	187880	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	714239	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	441066	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	846227	20.000	ng	0.00
76) Chrysene-d12	21.444	240	734420	20.000	ng	0.00
86) Perylene-d12	24.474	264	618274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	697374	59.689	ng	0.00
7) Phenol-d6	6.975	99	941188	61.488	ng	0.00
23) Nitrobenzene-d5	8.975	82	839145	60.433	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	264898	50.686	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	1949454	57.257	ng	0.00
79) Terphenyl-d14	19.833	244	2940695	61.144	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	43712	8.898	ng	96
3) Pyridine	3.693	79	182429	13.364	ng	98
4) n-Nitrosodimethylamine	3.599	42	93439	14.630	ng	# 89
6) Aniline	7.145	93	233430	16.090	ng	100
8) 2-Chlorophenol	7.387	128	148909	12.764	ng	97
9) Benzaldehyde	6.957	77	103393m	12.757	ng	
10) Phenol	7.004	94	201243	13.348	ng	98
11) bis(2-Chloroethyl)ether	7.245	93	169829	13.924	ng	97
12) 1,3-Dichlorobenzene	7.716	146	183334	13.539	ng	98
13) 1,4-Dichlorobenzene	7.857	146	187773	13.709	ng	97
14) 1,2-Dichlorobenzene	8.175	146	180950	13.682	ng	96
15) Benzyl Alcohol	8.051	79	129746	12.184	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.351	45	249009	15.166	ng	99
17) 2-Methylphenol	8.257	107	119543	12.968	ng	96
18) Hexachloroethane	8.910	117	65694	13.131	ng	93
19) n-Nitroso-di-n-propyla...	8.628	70	136076	13.576	ng	98
20) 3+4-Methylphenols	8.581	107	156054	12.824	ng	98
22) Acetophenone	8.639	105	162786	8.462	ng	# 95
24) Nitrobenzene	9.016	77	192647	14.280	ng	98
25) Isophorone	9.545	82	340553	13.599	ng	99
26) 2-Nitrophenol	9.733	139	34136	10.448	ng	94
27) 2,4-Dimethylphenol	9.792	122	113803	14.372	ng	95
28) bis(2-Chloroethoxy)met...	10.033	93	211339	13.103	ng	99
29) 2,4-Dichlorophenol	10.263	162	122328	11.218	ng	98
30) 1,2,4-Trichlorobenzene	10.486	180	171400	12.830	ng	99
31) Naphthalene	10.669	128	476788	12.657	ng	99
32) Benzoic acid	9.839	122	18358m	9.564	ng	
33) 4-Chloroaniline	10.769	127	193133	13.698	ng	99
34) Hexachlorobutadiene	10.969	225	105284	13.160	ng	99
35) Caprolactam	11.516	113	19583	5.887	ng	# 87
36) 4-Chloro-3-methylphenol	11.892	107	115902	10.658	ng	99
37) 2-Methylnaphthalene	12.286	142	319388	12.042	ng	99
38) 1-Methylnaphthalene	12.504	142	309870	12.008	ng	98
40) 1,2,4,5-Tetrachloroben...	12.651	216	118841	8.195	ng	98
41) Hexachlorocyclopentadiene	12.645	237	50653	13.682	ng	96
43) 2,4,6-Trichlorophenol	12.892	196	82533	10.430	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	96478	11.094	ng	99
46) 1,1'-Biphenyl	13.298	154	279431	8.305	ng	99
47) 2-Chloronaphthalene	13.333	162	339331	13.035	ng	98
48) 2-Nitroaniline	13.527	65	71295	11.935	ng	95
49) Acenaphthylene	14.180	152	518561	13.509	ng	99
50) Dimethylphthalate	13.921	163	389359	12.292	ng	99
51) 2,6-Dinitrotoluene	14.027	165	68222	12.447	ng	94
52) Acenaphthene	14.527	154	316287	12.413	ng	98
53) 3-Nitroaniline	14.351	138	71210	12.761	ng	99
54) 2,4-Dinitrophenol	14.557	184	8780	12.150	ng	# 86
55) Dibenzofuran	14.863	168	511634	12.611	ng	99
56) 4-Nitrophenol	14.651	139	42206	8.972	ng	97
57) 2,4-Dinitrotoluene	14.810	165	79278	13.957	ng	94
58) Fluorene	15.510	166	418947	12.071	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.086	232	82742m	11.262	ng	
60) Diethylphthalate	15.292	149	376618	11.831	ng	100
61) 4-Chlorophenyl-phenyle...	15.510	204	216735	11.733	ng	95
62) 4-Nitroaniline	15.510	138	73323	11.732	ng	94
63) Azobenzene	15.798	77	439425	13.225	ng	97
65) 4,6-Dinitro-2-methylph...	15.574	198	15622	12.372	ng	93
66) n-Nitrosodiphenylamine	15.715	169	330859	12.398	ng	99
67) 4-Bromophenyl-phenylether	16.404	248	119572	12.163	ng	100
68) Hexachlorobenzene	16.515	284	139933	12.401	ng	99
69) Atrazine	16.668	200	59399	7.487	ng	94
70) Pentachlorophenol	16.851	266	44117	12.947	ng	96
71) Phenanthrene	17.245	178	597954	12.403	ng	100
72) Anthracene	17.333	178	600954	12.589	ng	99
73) Carbazole	17.598	167	531398	12.684	ng	99
74) Di-n-butylphthalate	18.186	149	546359	10.277	ng	99
75) Fluoranthene	19.256	202	641701	11.369	ng	99
77) Benzidine	19.439	184	60871	9.359	ng	99
78) Pyrene	19.615	202	667680	12.142	ng	99
80) Butylbenzylphthalate	20.533	149	113117	6.611	ng	99
81) Benzo(a)anthracene	21.427	228	621776	12.492	ng	100
82) 3,3'-Dichlorobenzidine	21.344	252	75004	5.600	ng	99
83) Chrysene	21.486	228	579459	12.426	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	230418	7.855	ng	97
85) Di-n-octyl phthalate	22.538	149	290820	6.284	ng	# 93
87) Indeno(1,2,3-cd)pyrene	27.891	276	405039	11.996	ng	# 92
88) Benzo(b)fluoranthene	23.515	252	483948	11.378	ng	99
89) Benzo(k)fluoranthene	23.580	252	499781	12.098	ng	99
90) Benzo(a)pyrene	24.327	252	409555	12.151	ng	99
91) Dibenzo(a,h)anthracene	27.962	278	306992	11.504	ng	97
92) Benzo(g,h,i)perylene	28.944	276	335373	11.250	ng	98

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

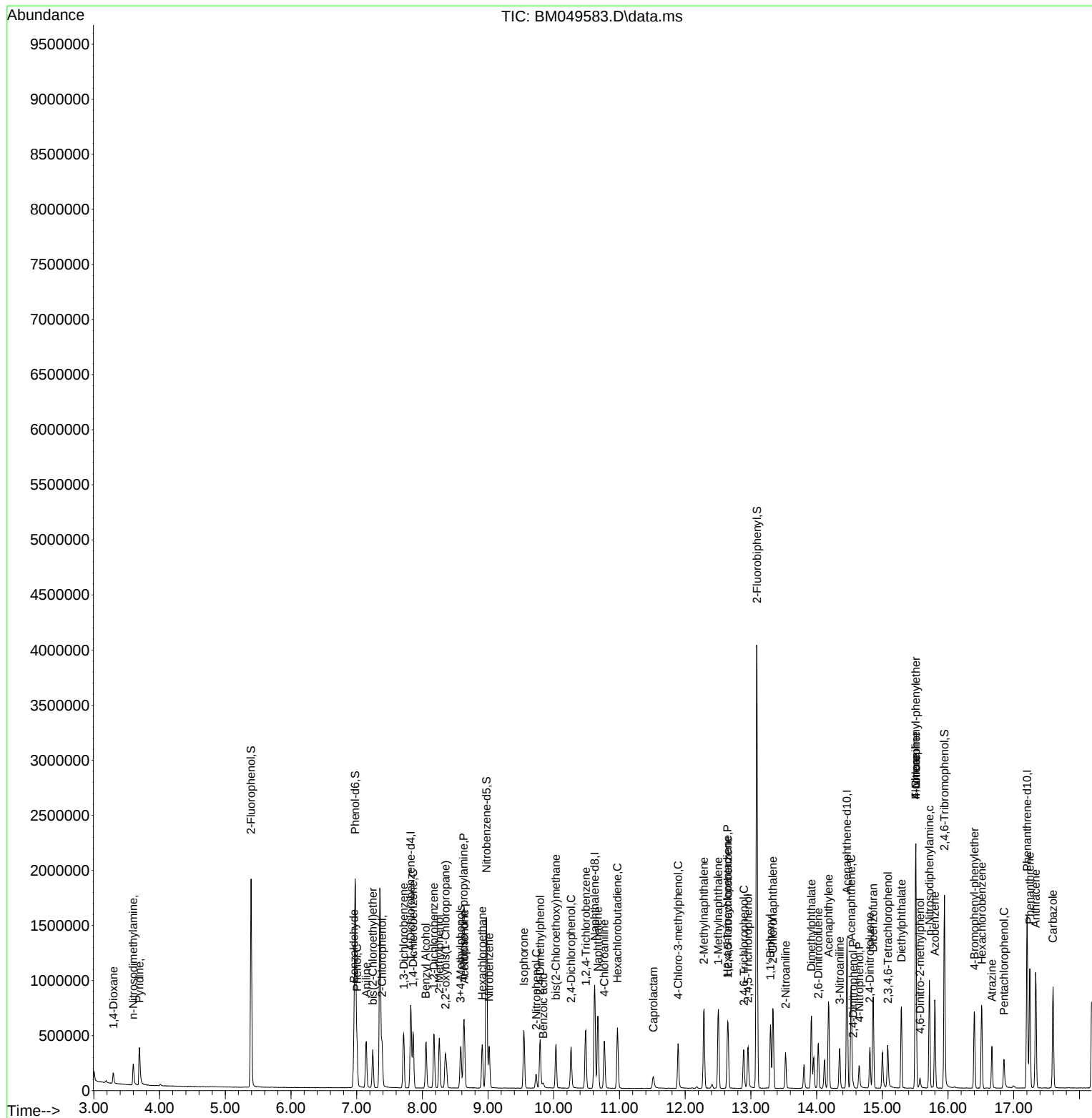
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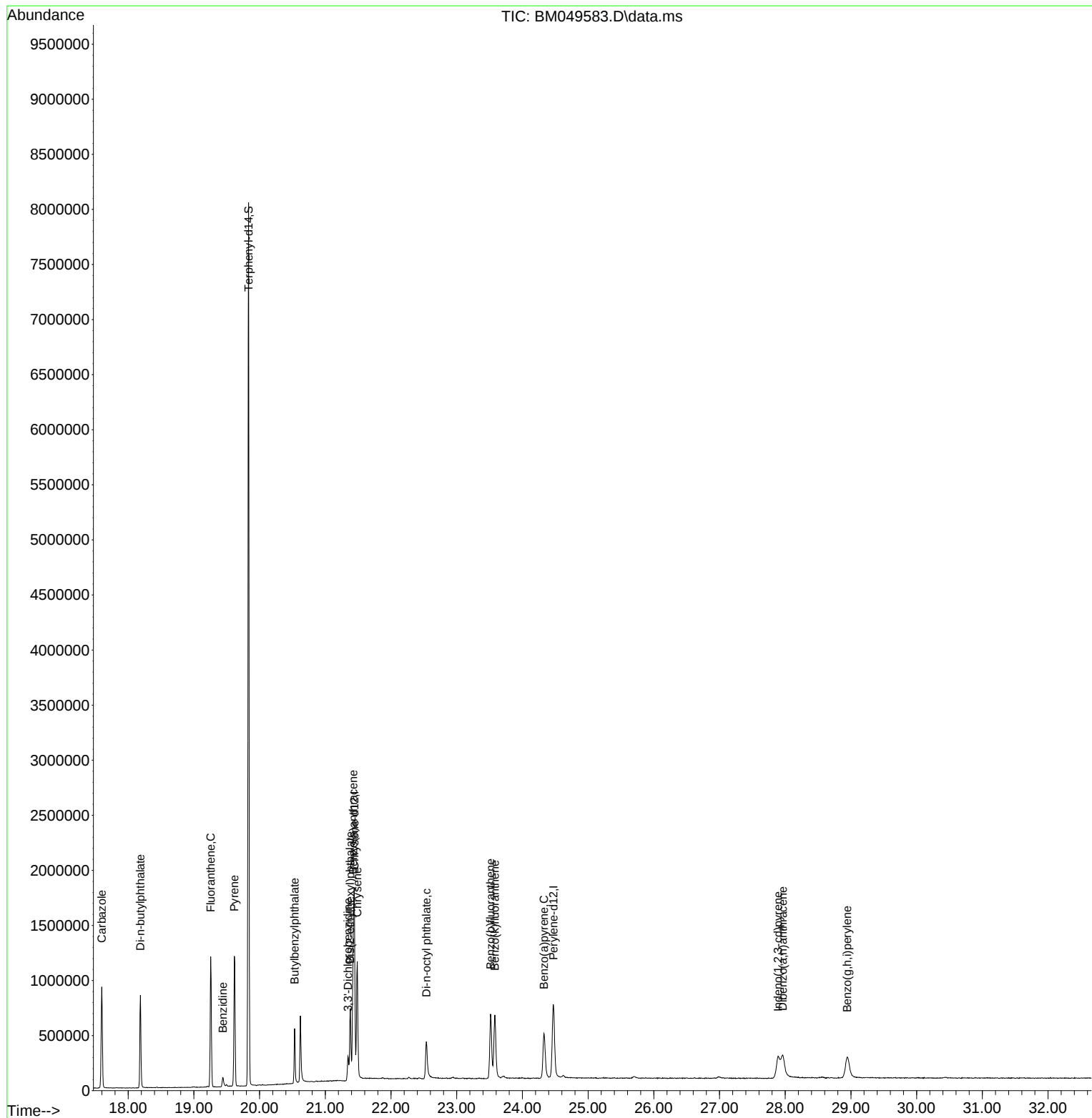
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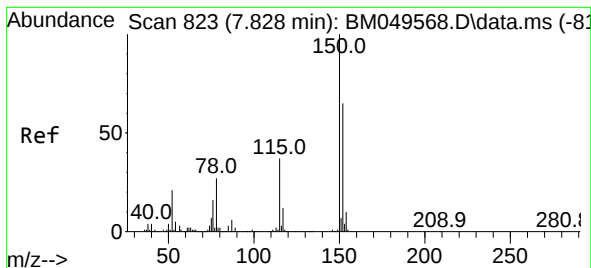
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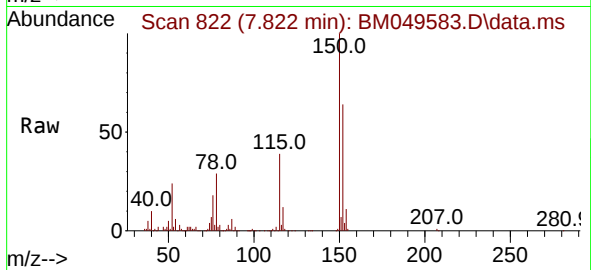
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Supervised By :mohammad ahmed 02/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

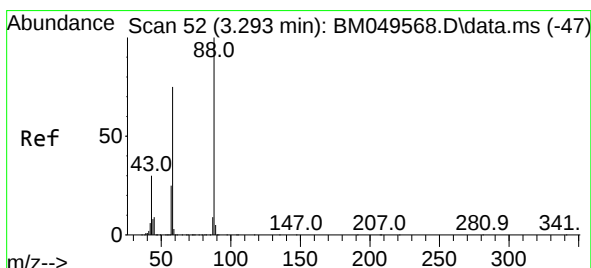
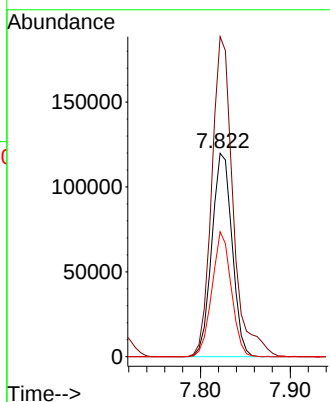
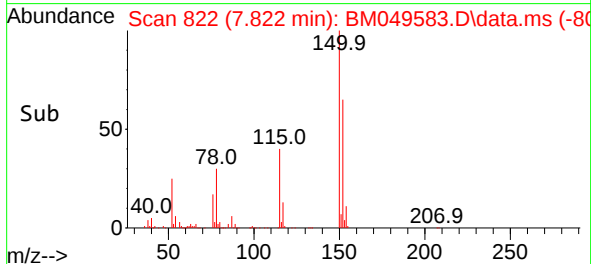
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ClientSampleId :
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Tgt Ion:152 Resp: 187880
Ion Ratio Lower Upper
152 100
150 157.3 122.6 184.0
115 61.4 45.4 68.0

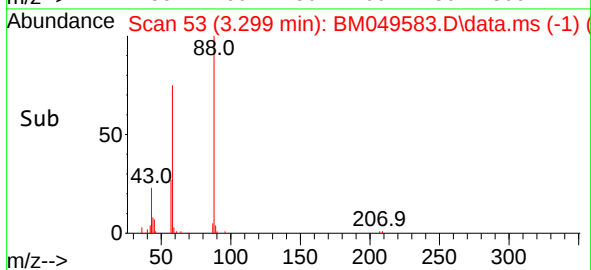
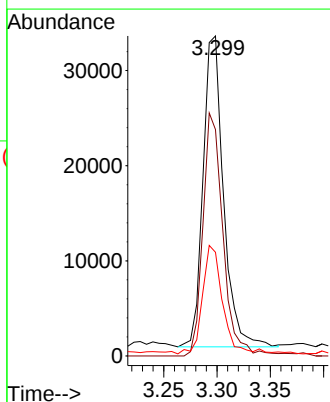
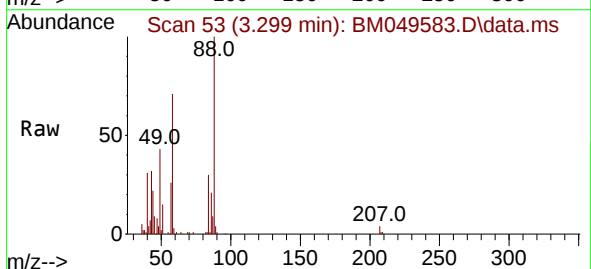
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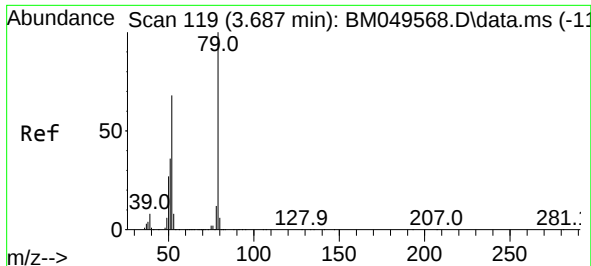
Reviewed By :Jagrut Upadhyay 02/07/2025
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#2
1,4-Dioxane
Concen: 8.898 ng
RT: 3.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

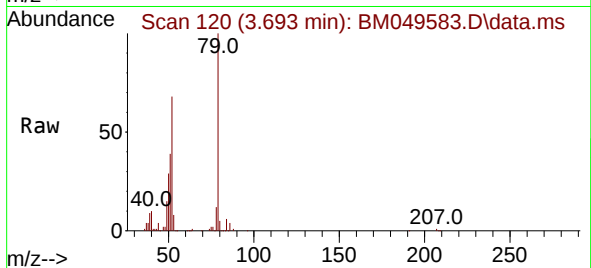
Tgt Ion: 88 Resp: 43712
Ion Ratio Lower Upper
88 100
58 77.6 60.0 90.0
43 33.5 24.4 36.6





#3
Pyridine
Concen: 13.364 ng
RT: 3.693 min Scan# 119
Delta R.T. 0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

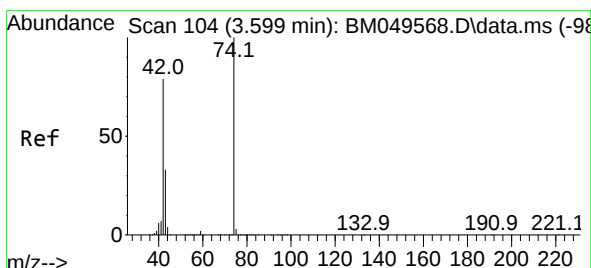
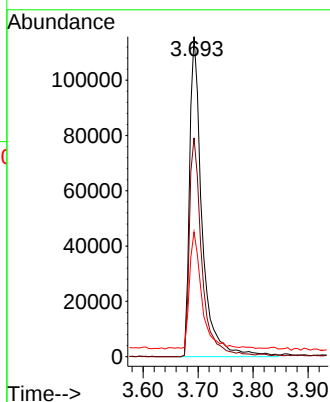
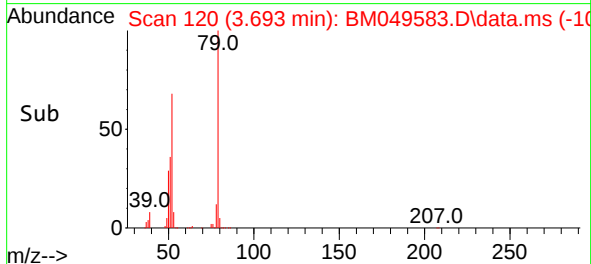
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Tgt Ion: 79 Resp: 182429
Ion Ratio Lower Upper
79 100
52 68.4 54.5 81.7
51 39.0 29.0 43.6

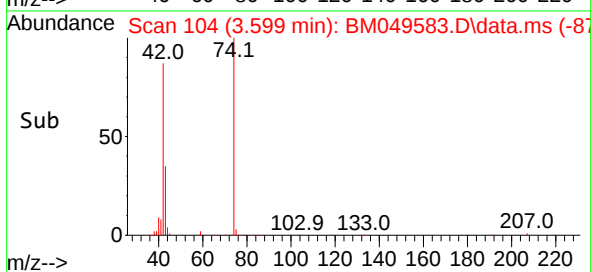
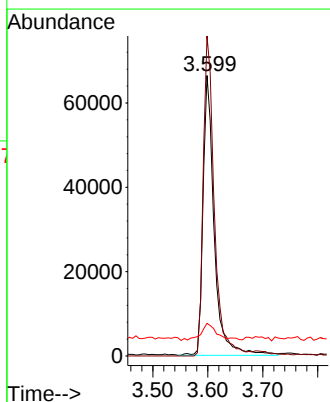
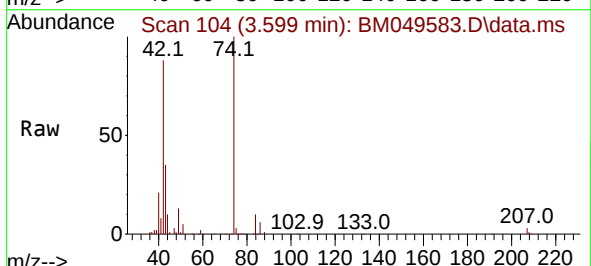
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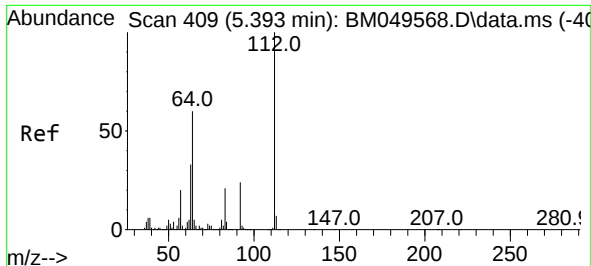
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4
n-Nitrosodimethylamine
Concen: 14.630 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

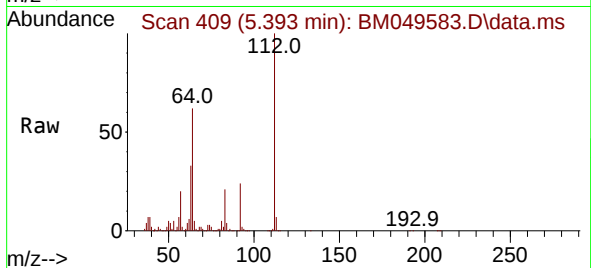
Tgt Ion: 42 Resp: 93439
Ion Ratio Lower Upper
42 100
74 114.1 101.3 151.9
44 11.7 6.5 9.7#





#5
2-Fluorophenol
Concen: 59.689 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

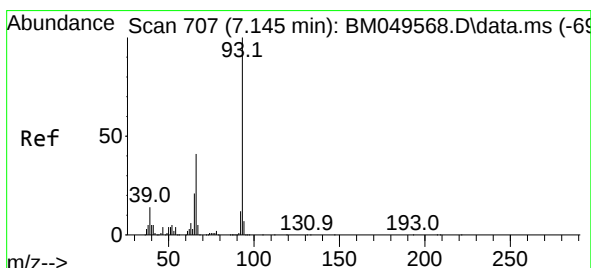
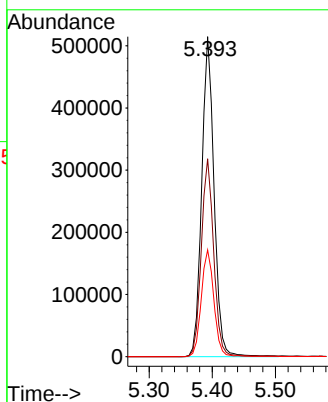
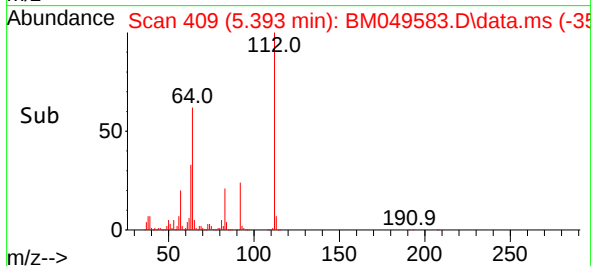
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Tgt Ion: 112 Resp: 697374
Ion Ratio Lower Upper
112 100
64 61.8 47.8 71.8
63 33.4 26.2 39.4

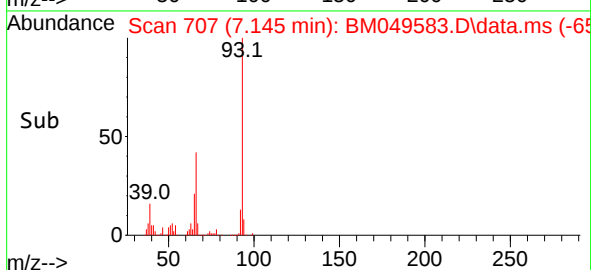
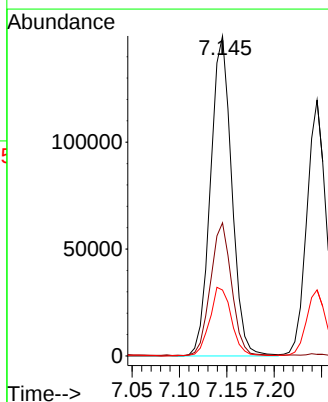
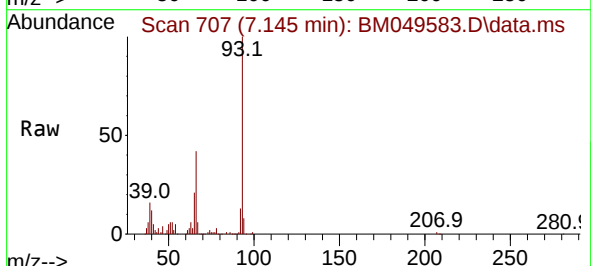
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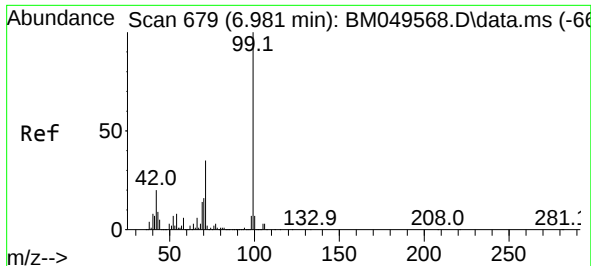
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#6
Aniline
Concen: 16.090 ng
RT: 7.145 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049583.D
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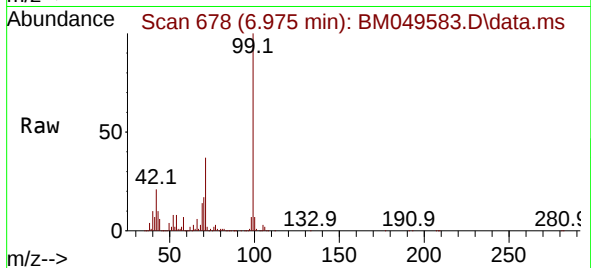
Tgt Ion: 93 Resp: 233430
Ion Ratio Lower Upper
93 100
66 41.6 33.3 49.9
65 20.6 16.8 25.2





#7
Phenol-d6
Concen: 61.488 ng
RT: 6.975 min Scan# 679
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

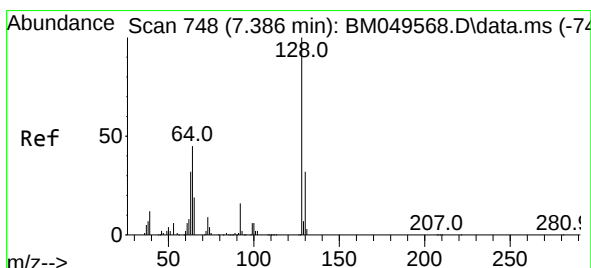
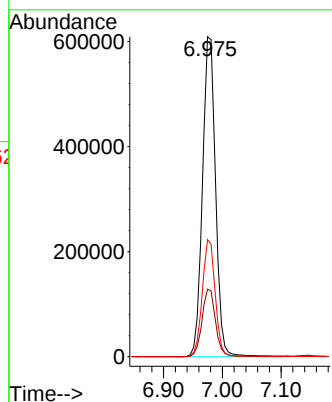
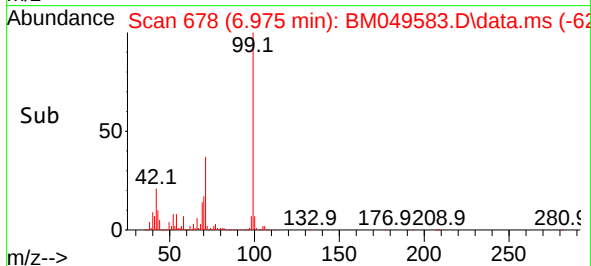
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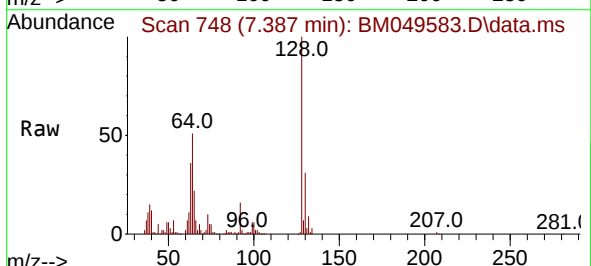
Tgt Ion: 99 Resp: 94118
Ion Ratio Lower Upper
99 100
42 21.1 16.0 24.0
71 36.6 27.8 41.6

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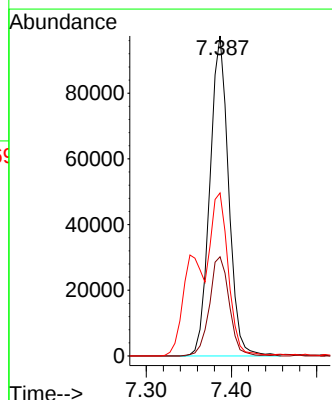
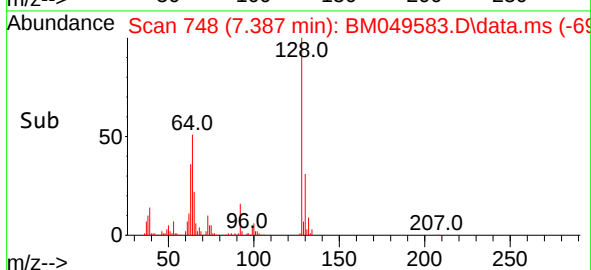
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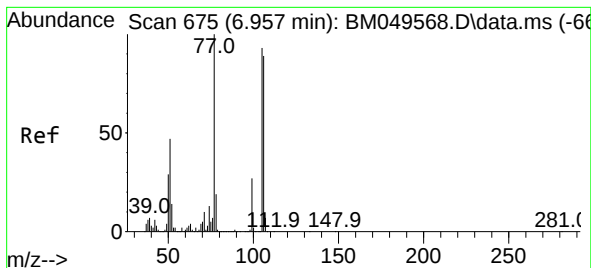


#8
2-Chlorophenol
Concen: 12.764 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
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Tgt Ion:128 Resp: 148909
Ion Ratio Lower Upper
128 100
130 31.0 12.4 52.4
64 50.9 28.7 68.7





#9

Benzaldehyde

Concen: 12.757 ng m

RT: 6.957 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM049583.D

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Tgt Ion: 77 Resp: 10339

Ion Ratio Lower Upper

77 100

105 90.9 72.7 112.7

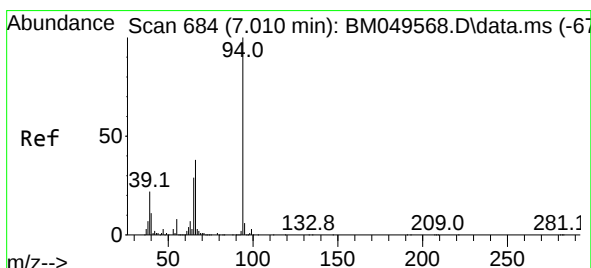
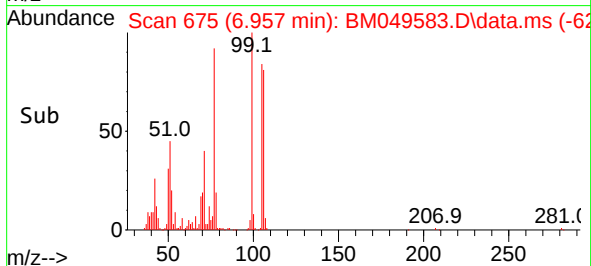
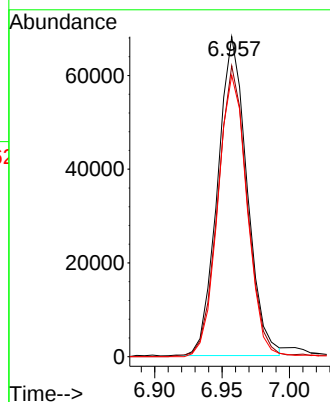
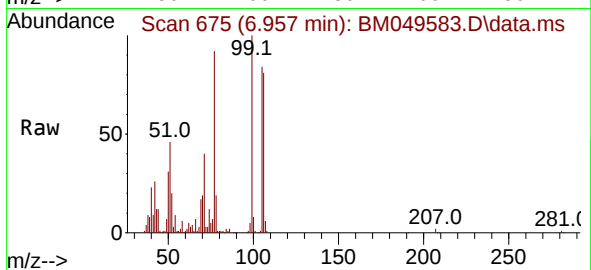
106 87.9 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#10

Phenol

Concen: 13.348 ng

RT: 7.004 min Scan# 683

Delta R.T. -0.006 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

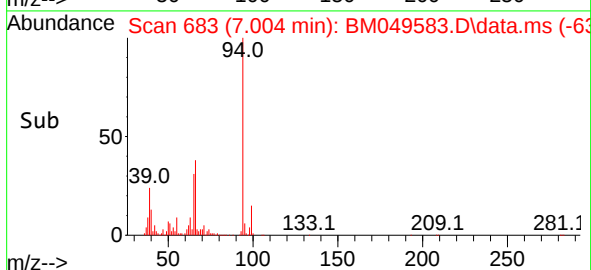
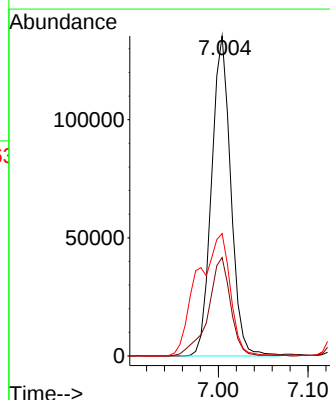
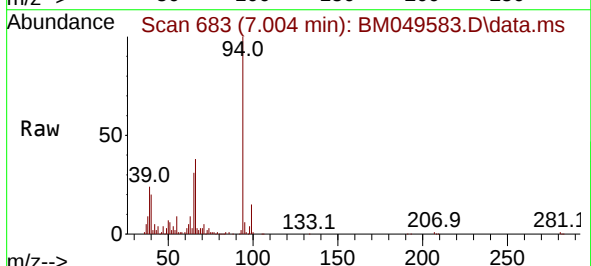
Tgt Ion: 94 Resp: 201243

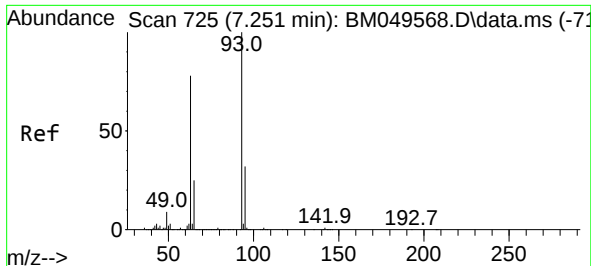
Ion Ratio Lower Upper

94 100

65 30.7 9.3 49.3

66 38.3 17.7 57.7





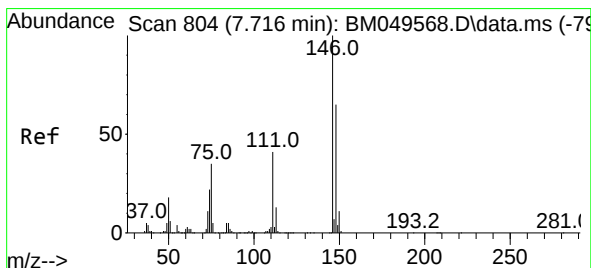
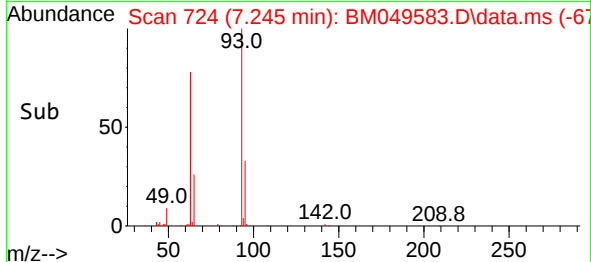
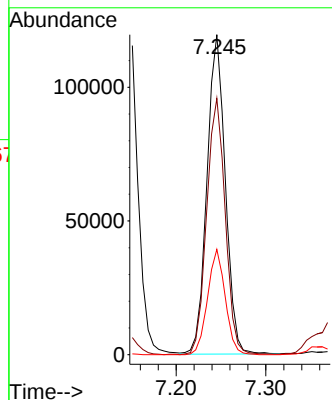
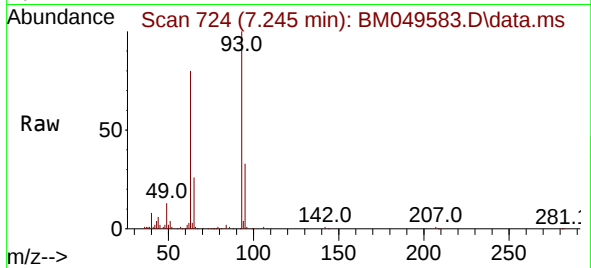
#11
bis(2-Chloroethyl)ether
Concen: 13.924 ng
RT: 7.245 min Scan# 725
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

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

Tgt Ion: 93 Resp: 169829
Ion Ratio Lower Upper
93 100
63 80.1 57.3 97.3
95 32.9 12.1 52.1

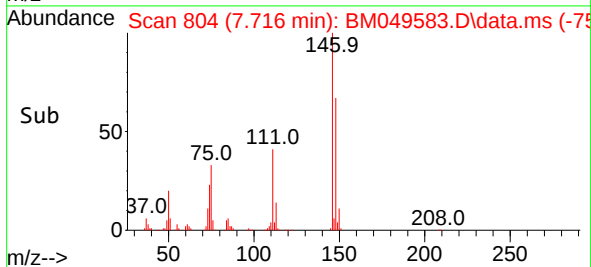
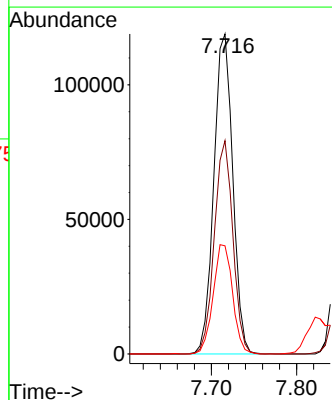
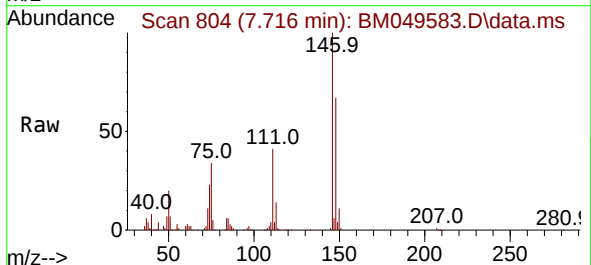
Manual Integrations
APPROVED

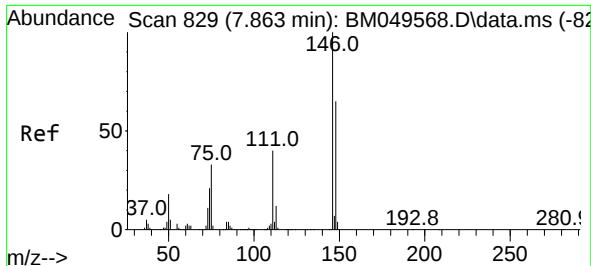
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#12
1,3-Dichlorobenzene
Concen: 13.539 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion:146 Resp: 183334
Ion Ratio Lower Upper
146 100
148 66.6 52.2 78.2
75 33.8 28.3 42.5





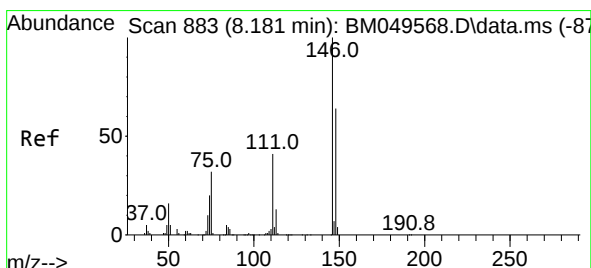
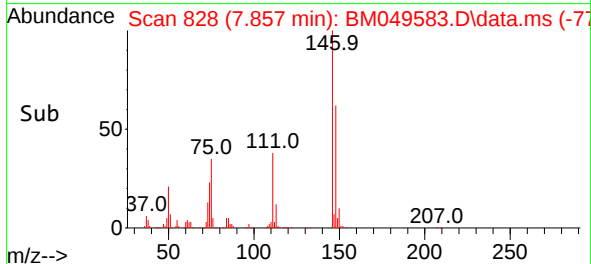
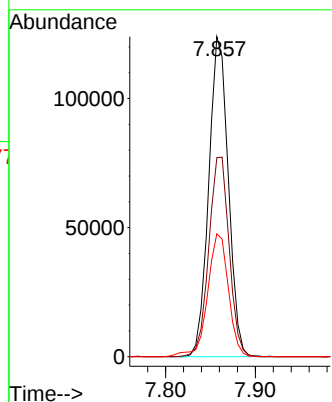
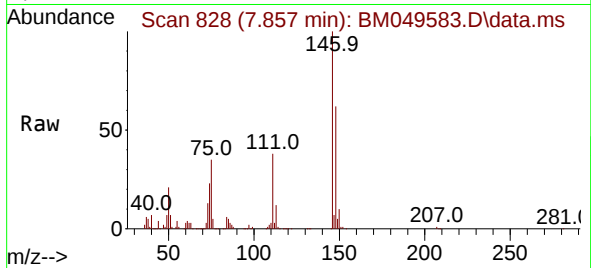
#13
1,4-Dichlorobenzene
Concen: 13.709 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

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

Tgt Ion:146 Resp: 18777
Ion Ratio Lower Upper
146 100
148 62.2 52.1 78.1
111 38.4 31.7 47.5

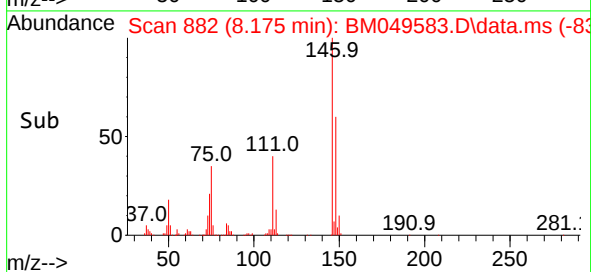
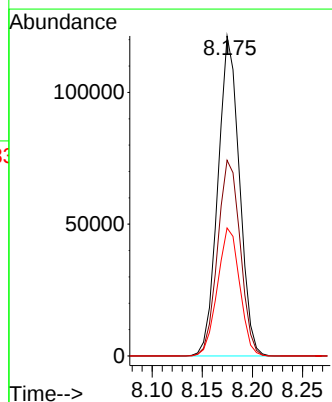
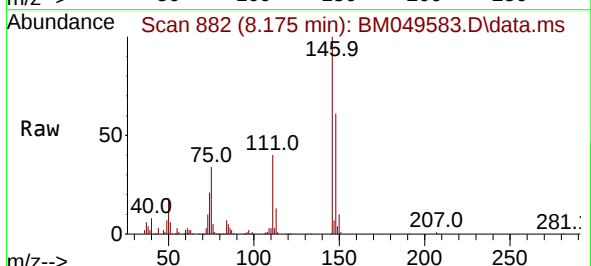
Manual Integrations
APPROVED

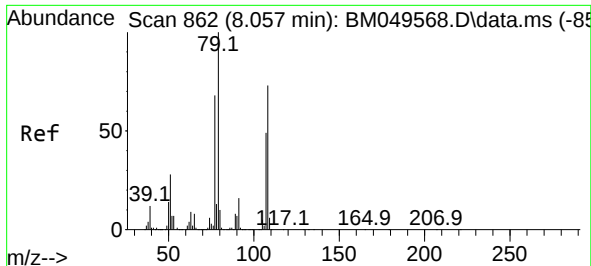
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#14
1,2-Dichlorobenzene
Concen: 13.682 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

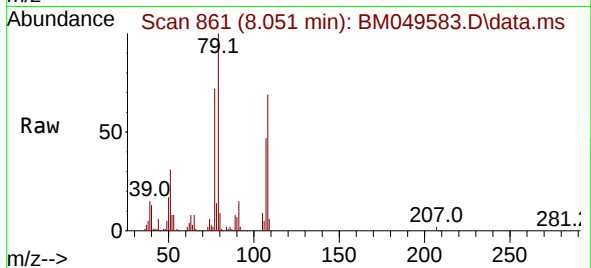
Tgt Ion:146 Resp: 180950
Ion Ratio Lower Upper
146 100
148 61.2 51.5 77.3
111 40.0 33.4 50.0





#15
Benzyl Alcohol
Concen: 12.184 ng
RT: 8.051 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

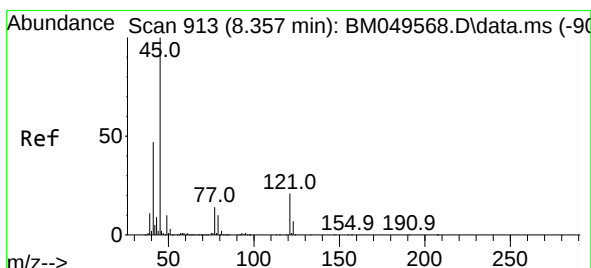
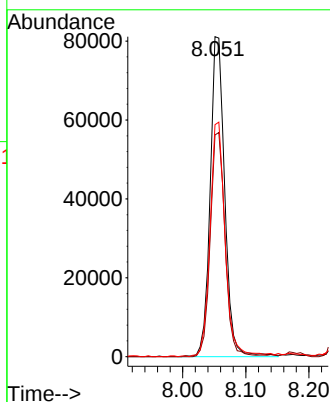
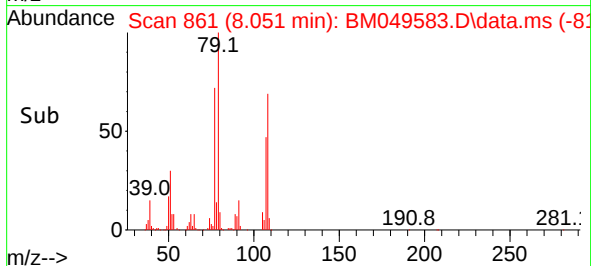
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



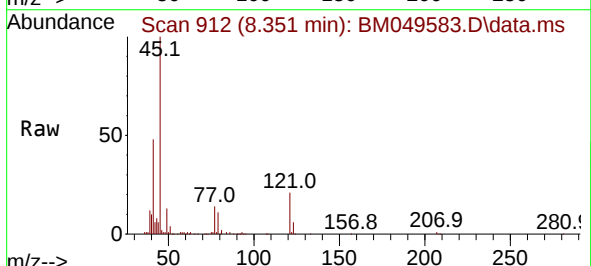
Tgt Ion: 79 Resp: 129740
Ion Ratio Lower Upper
79 100
108 69.3 58.6 88.0
77 72.5 54.0 81.0

Manual Integrations
APPROVED

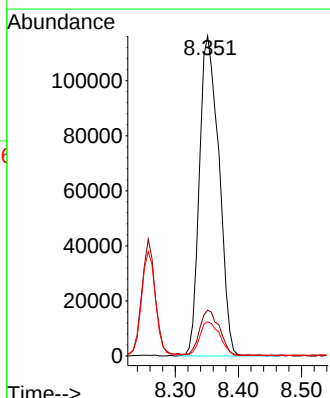
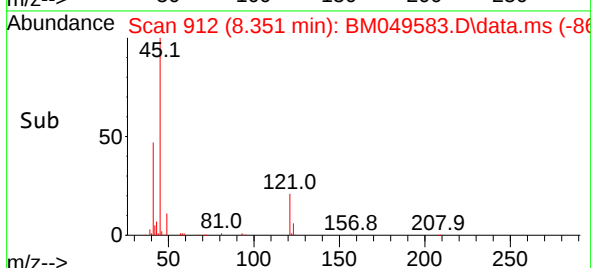
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

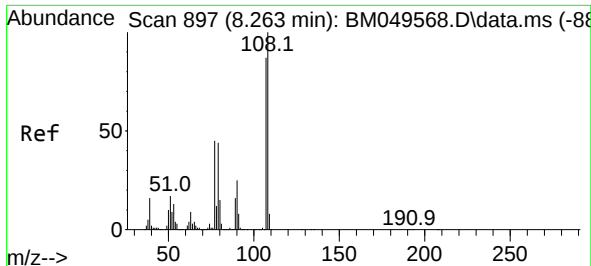


#16
2,2'-oxybis(1-Chloropropane)
Concen: 15.166 ng
RT: 8.351 min Scan# 912
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



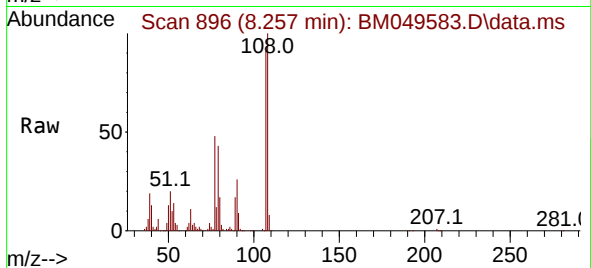
Tgt Ion: 45 Resp: 249009
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.0
79 10.7 0.0 30.8





#17
2-Methylphenol
Concen: 12.968 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

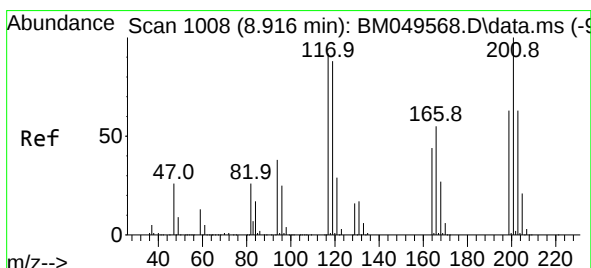
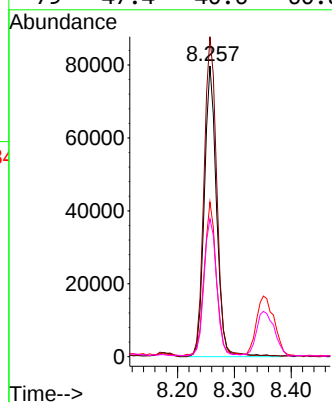
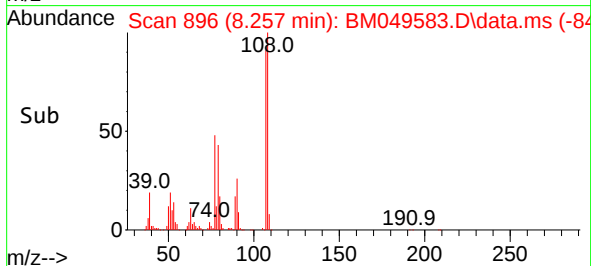
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.1	92.2	138.4
77	53.2	41.3	61.9
79	47.4	40.6	60.8

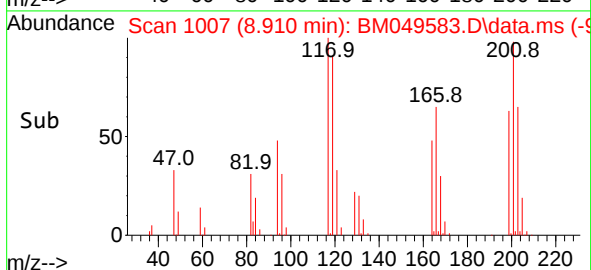
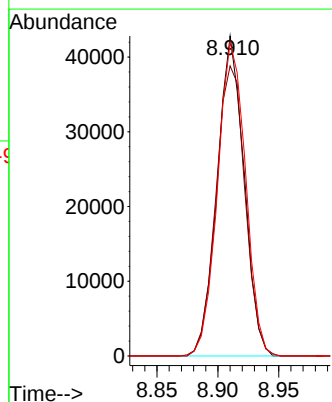
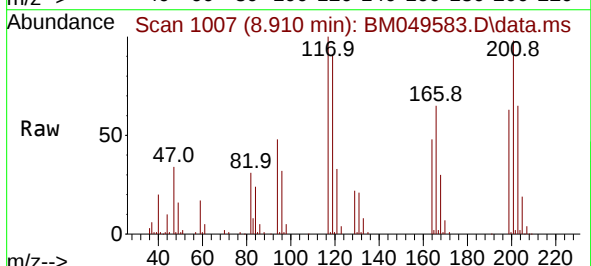
Manual Integrations
APPROVED

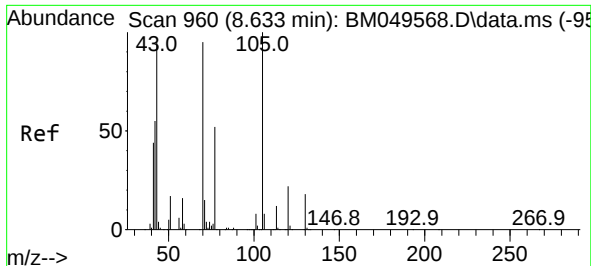
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#18
Hexachloroethane
Concen: 13.131 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

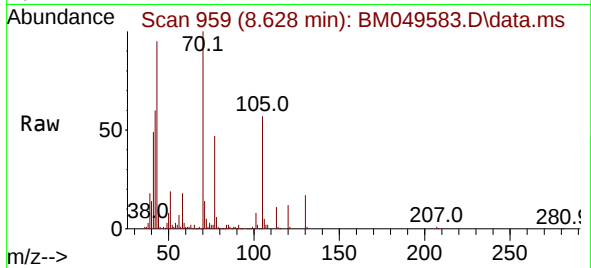
Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.8	115.2
201	99.8	87.0	130.6





#19
n-Nitroso-di-n-propylamine
Concen: 13.576 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

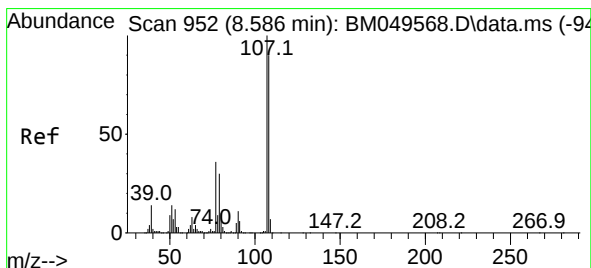
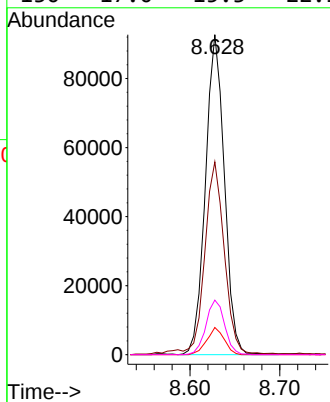
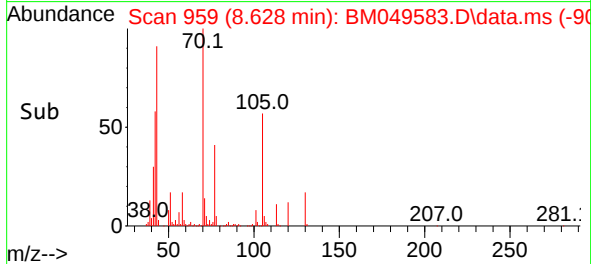
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



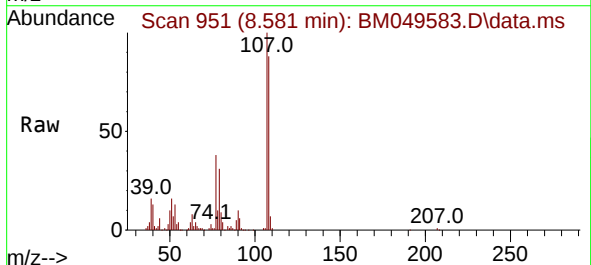
Tgt Ion: 70 Resp: 136070
Ion Ratio Lower Upper
70 100
42 60.2 47.4 71.2
101 8.5 7.1 10.7
130 17.0 15.3 22.9

Manual Integrations
APPROVED

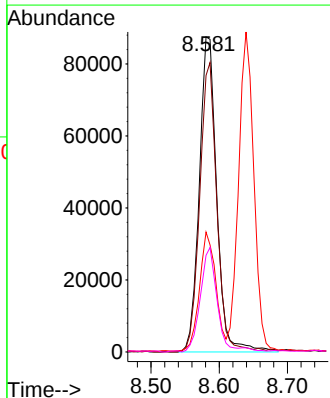
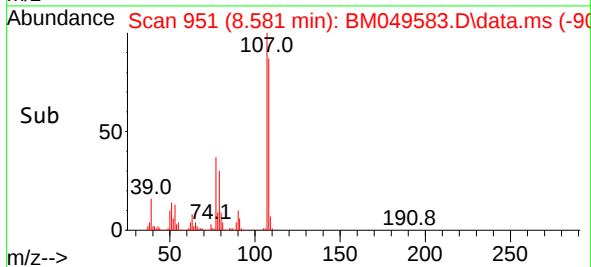
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

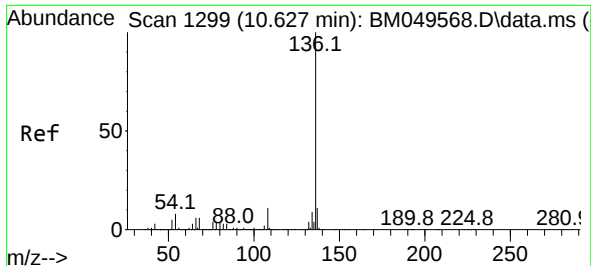


#20
3+4-Methylphenols
Concen: 12.824 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



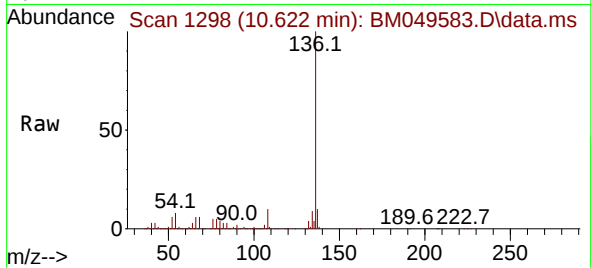
Tgt Ion:107 Resp: 156054
Ion Ratio Lower Upper
107 100
108 87.8 69.6 109.6
77 38.1 16.0 56.0
79 30.7 10.5 50.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

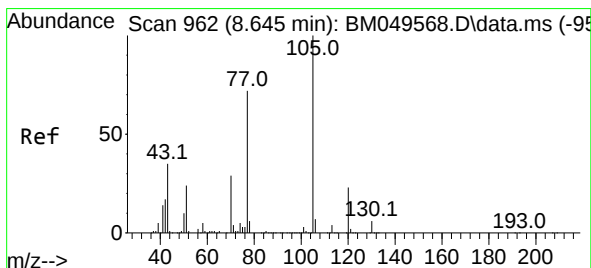
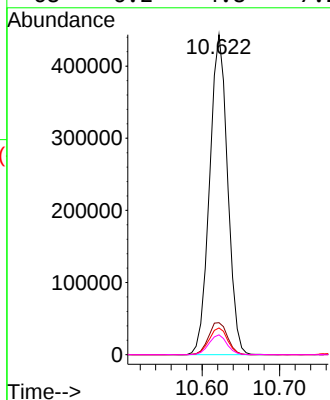
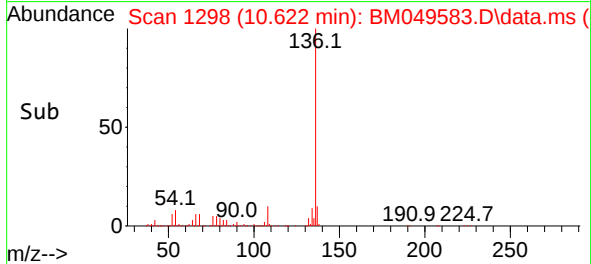
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:136 Resp: 714239
Ion Ratio Lower Upper
136 100
137 10.0 8.6 13.0
54 8.4 6.6 10.0
68 6.2 4.8 7.2

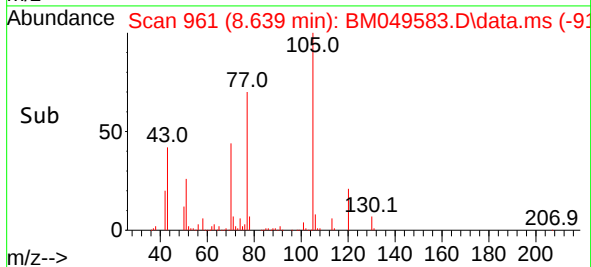
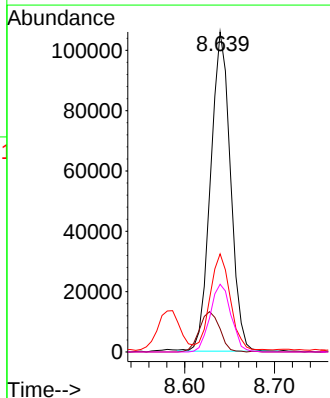
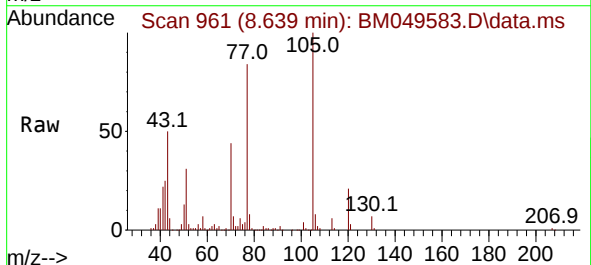
Manual Integrations
APPROVED

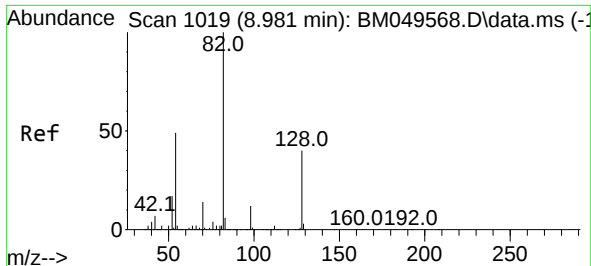
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#22
Acetophenone
Concen: 8.462 ng
RT: 8.639 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

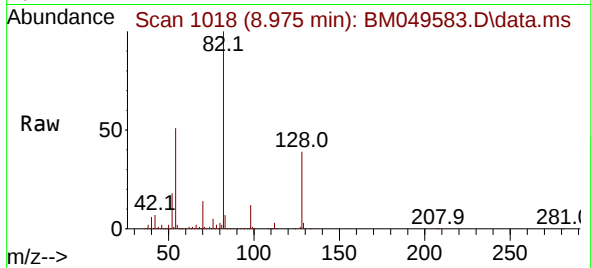
Tgt Ion:105 Resp: 162786
Ion Ratio Lower Upper
105 100
71 7.2 3.5 5.3#
51 30.6 21.7 32.5
120 21.1 18.1 27.1





#23
Nitrobenzene-d5
Concen: 60.433 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

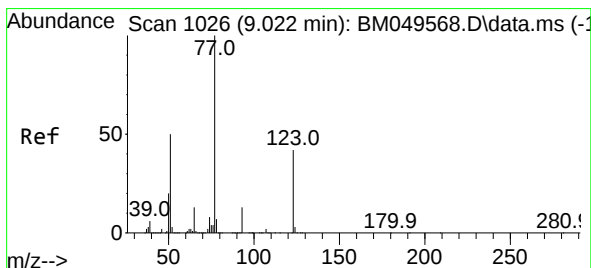
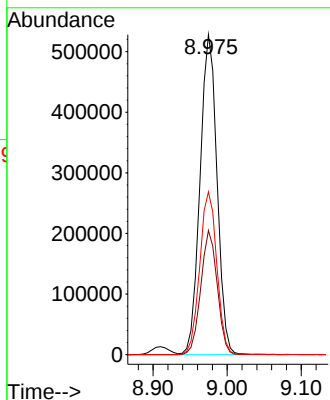
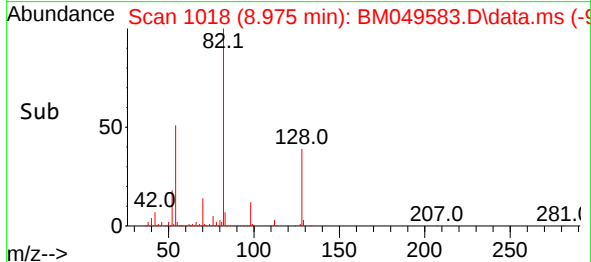
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



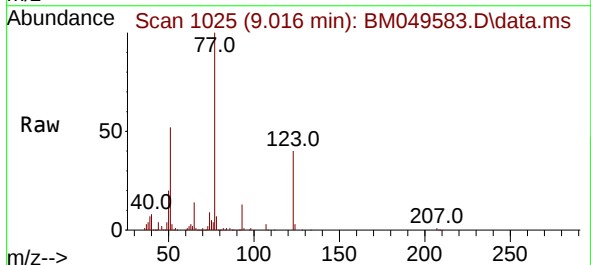
Tgt Ion: 82 Resp: 83914
Ion Ratio Lower Upper
82 100
128 38.8 31.6 47.4
54 50.9 39.4 59.0

Manual Integrations
APPROVED

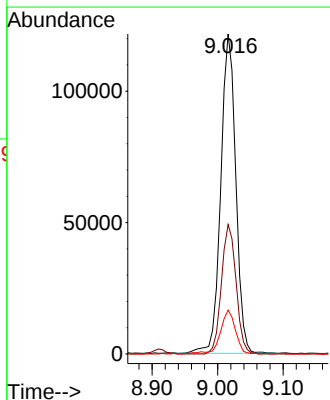
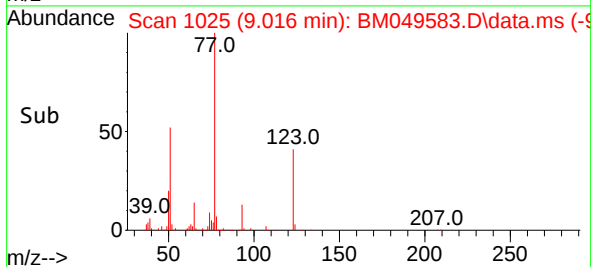
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

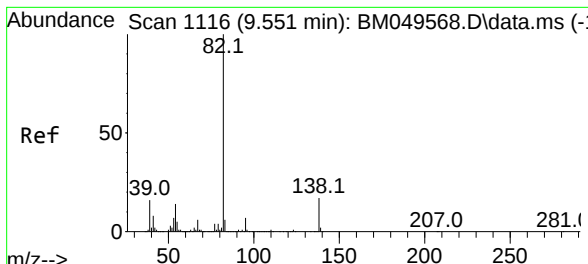


#24
Nitrobenzene
Concen: 14.280 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



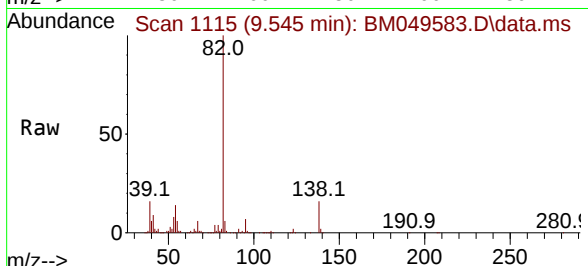
Tgt Ion: 77 Resp: 192647
Ion Ratio Lower Upper
77 100
123 40.4 33.4 50.2
65 13.7 10.5 15.7





#25
Isophorone
Concen: 13.599 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

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

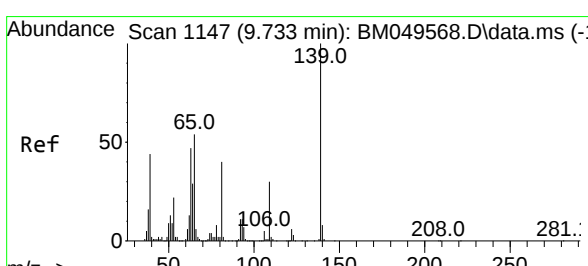
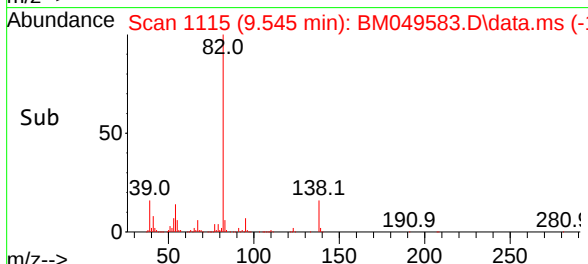
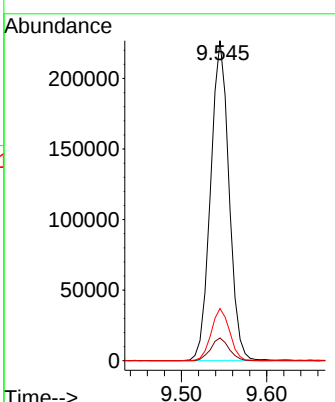


Tgt Ion: 82 Resp: 34055

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	16.3	13.6	20.4

Manual Integrations
APPROVED

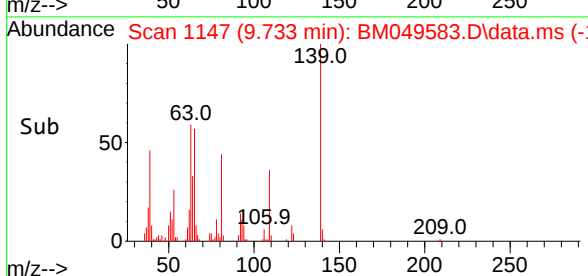
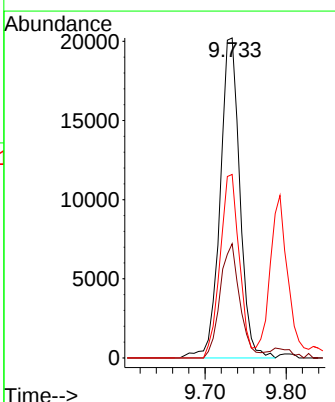
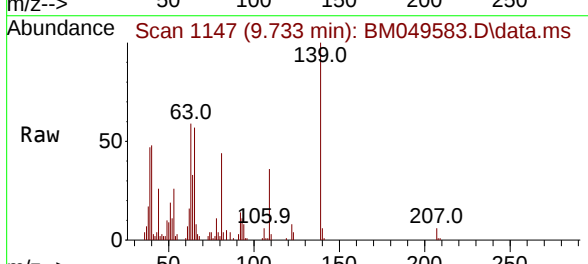
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

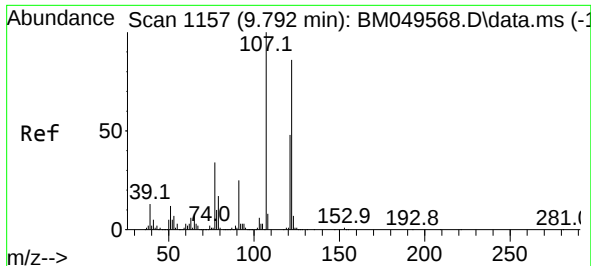


#26
2-Nitrophenol
Concen: 10.448 ng
RT: 9.733 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion:139 Resp: 34136

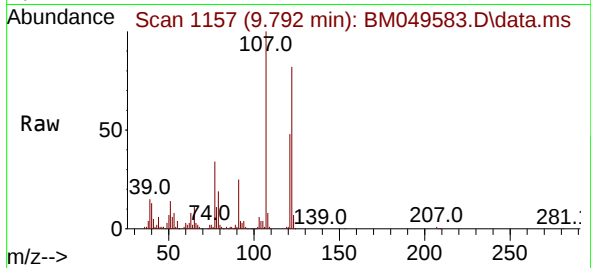
Ion	Ratio	Lower	Upper
139	100		
109	35.7	24.2	36.2
65	57.4	43.4	65.2





#27
2,4-Dimethylphenol
Concen: 14.372 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

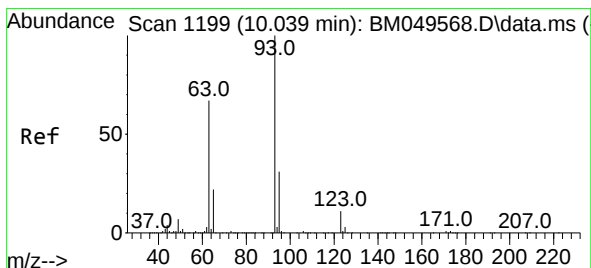
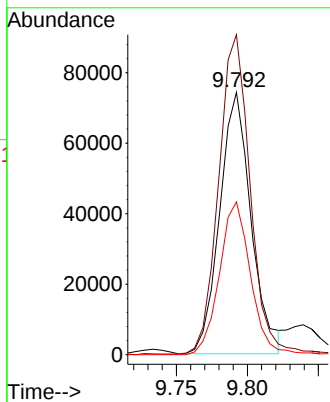
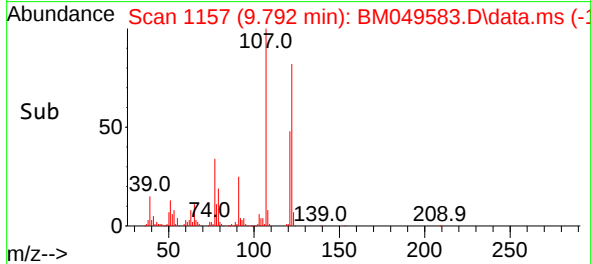
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:122 Resp: 11380
Ion Ratio Lower Upper
122 100
107 122.0 93.2 139.8
121 58.3 44.4 66.6

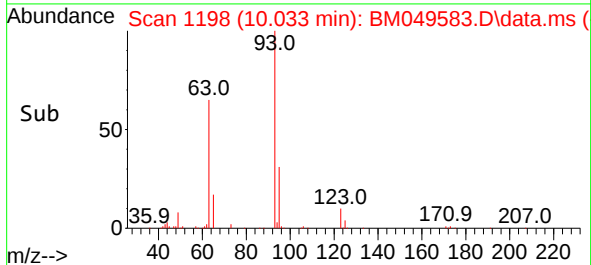
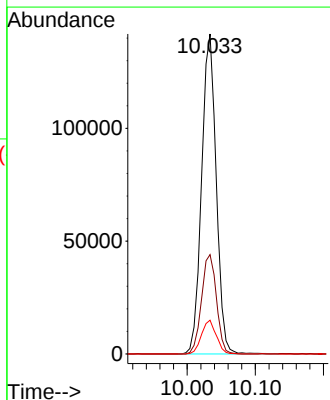
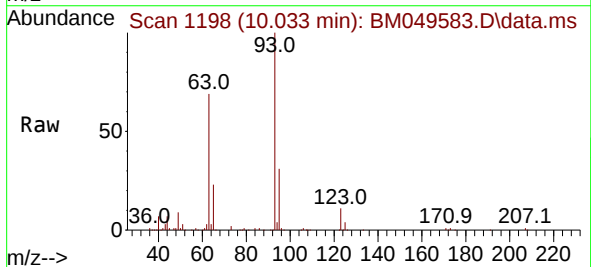
Manual Integrations
APPROVED

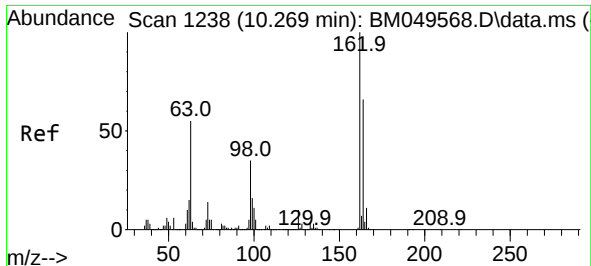
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 13.103 ng
RT: 10.033 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion: 93 Resp: 211339
Ion Ratio Lower Upper
93 100
95 31.1 25.2 37.8
123 10.6 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 11.218 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049583.D

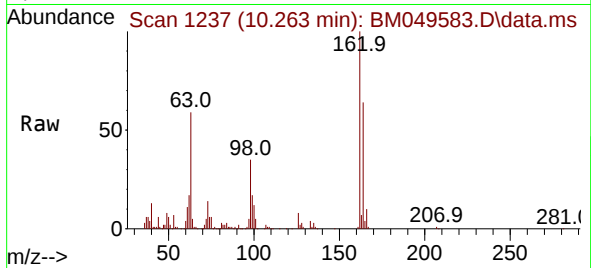
Acq: 06 Feb 2025 17:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



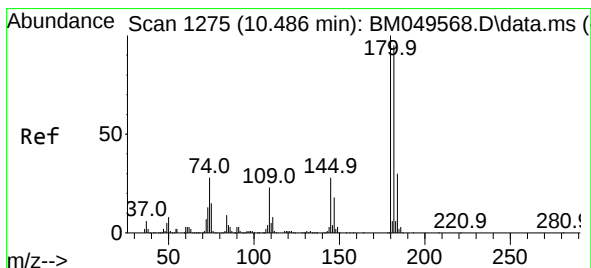
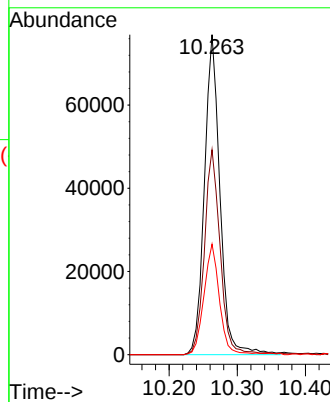
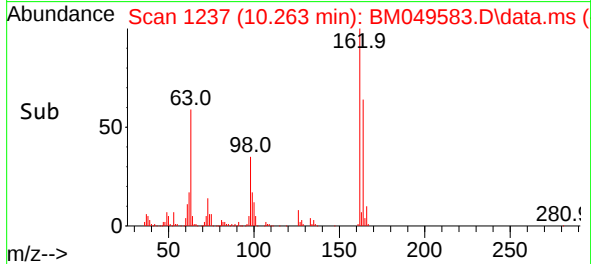
Tgt Ion:162 Resp: 122328

Ion	Ratio	Lower	Upper
162	100		
164	64.1	46.0	86.0
98	34.5	14.7	54.7

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 12.830 ng

RT: 10.486 min Scan# 1275

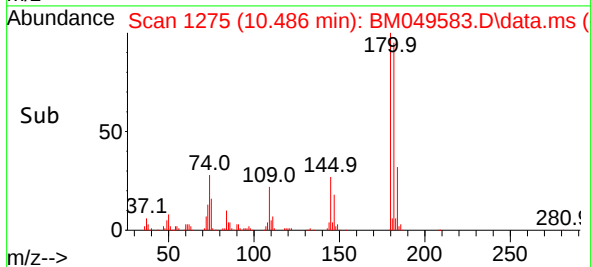
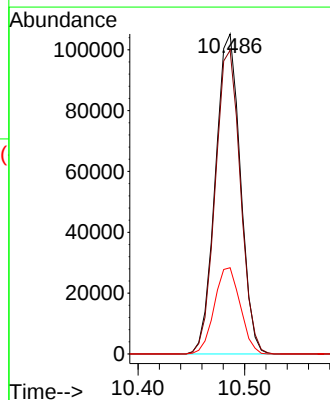
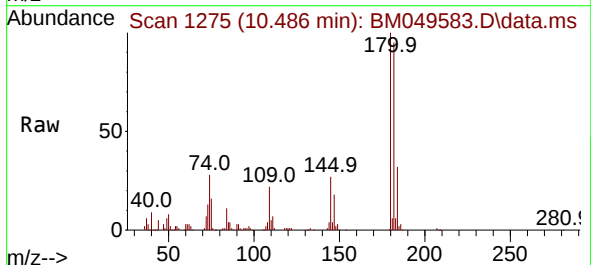
Delta R.T. 0.000 min

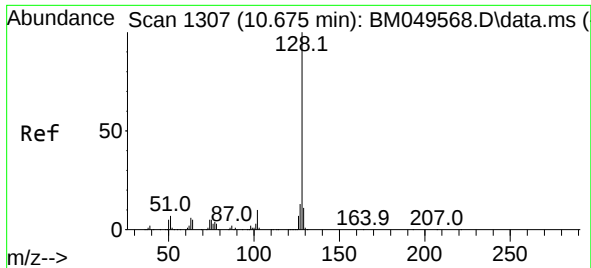
Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

Tgt Ion:180 Resp: 171400

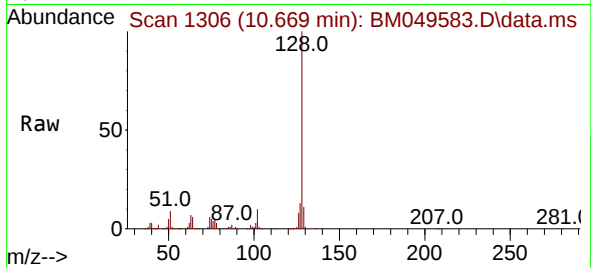
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
145	26.9	22.5	33.7





#31
Naphthalene
Concen: 12.657 ng
RT: 10.669 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

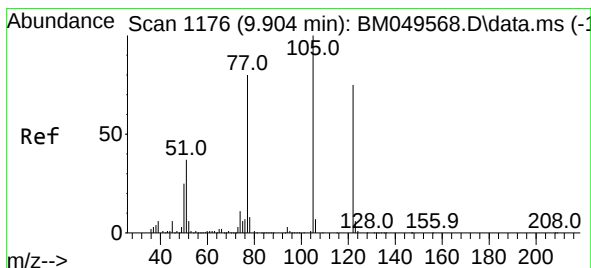
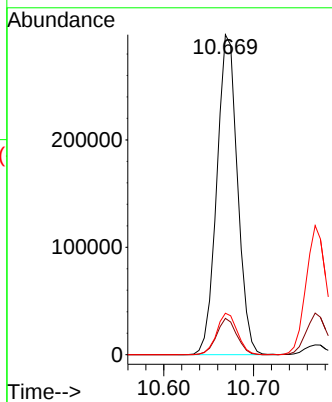
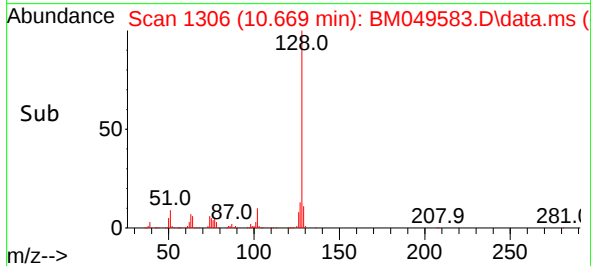
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion:128 Resp: 476788
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.9 10.6 15.8

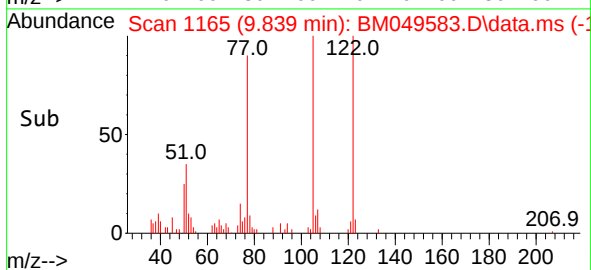
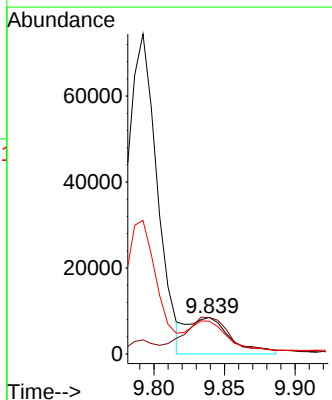
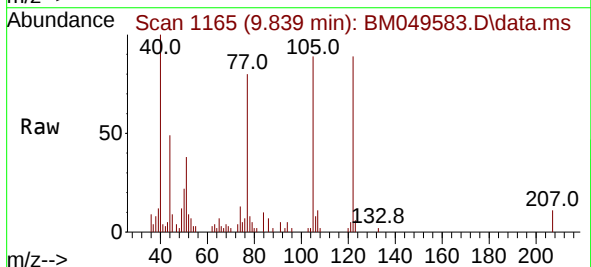
Manual Integrations
APPROVED

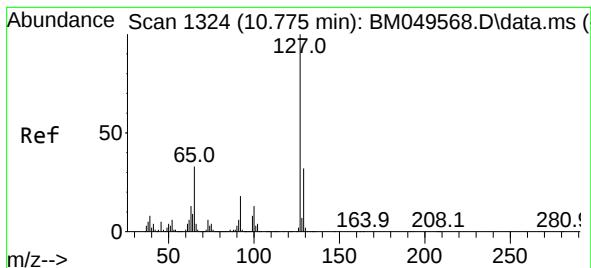
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 9.564 ng m
RT: 9.839 min Scan# 1165
Delta R.T. -0.065 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

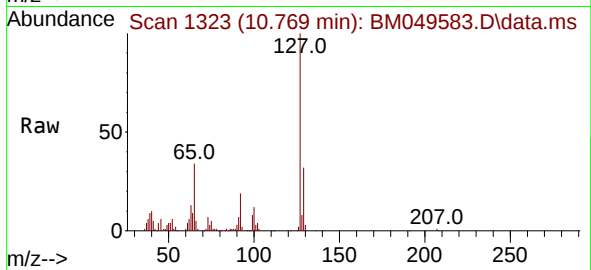
Tgt Ion:122 Resp: 18358
Ion Ratio Lower Upper
122 100
105 100.1 103.6 143.6#
77 89.7 82.4 122.4





#33
4-Chloroaniline
Concen: 13.698 ng
RT: 10.769 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

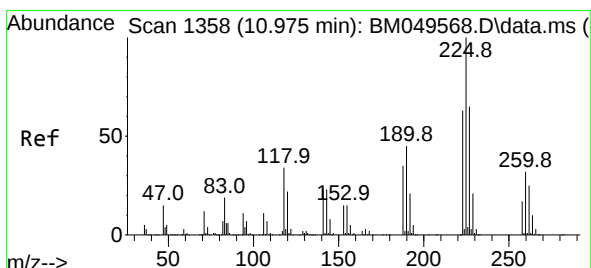
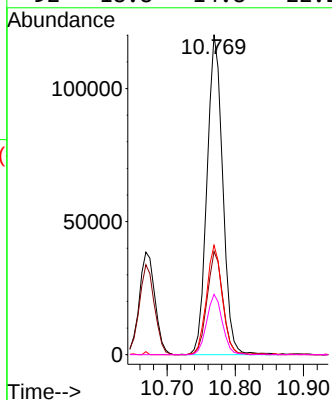
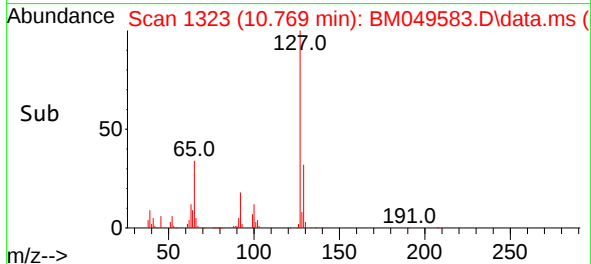
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:127 Resp: 19313
Ion Ratio Lower Upper
127 100
129 32.3 25.8 38.8
65 34.2 26.4 39.6
92 18.8 14.8 22.2

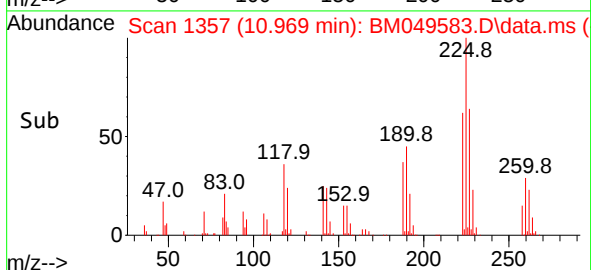
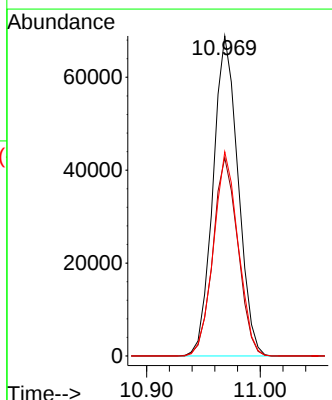
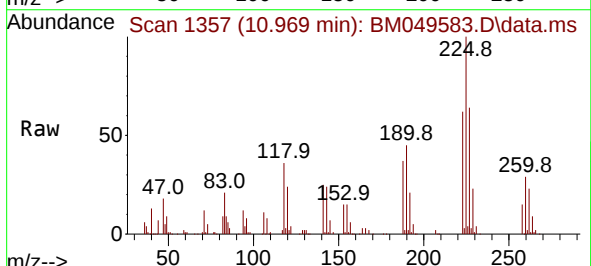
Manual Integrations
APPROVED

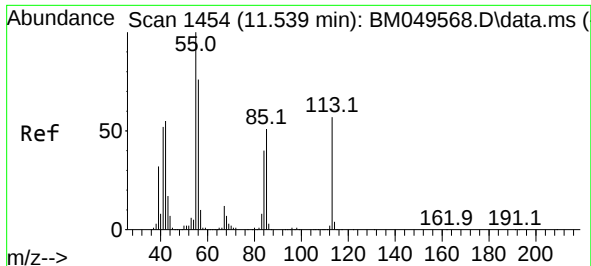
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#34
Hexachlorobutadiene
Concen: 13.160 ng
RT: 10.969 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion:225 Resp: 105284
Ion Ratio Lower Upper
225 100
223 61.9 50.6 75.8
227 63.8 51.8 77.6





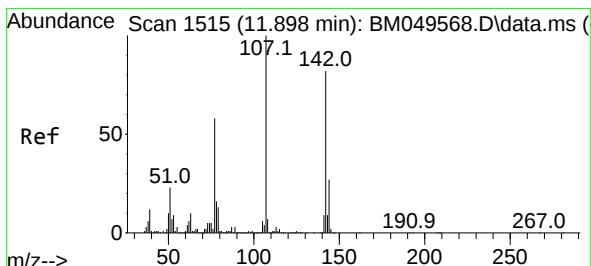
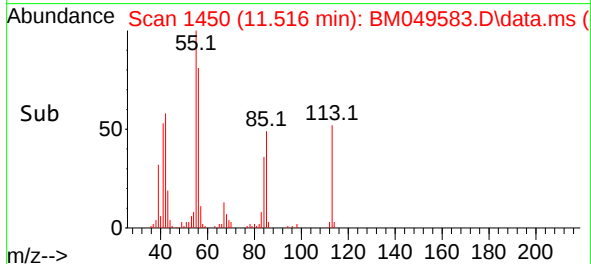
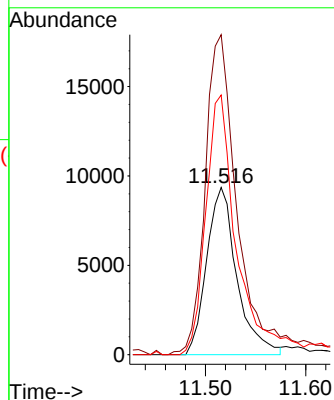
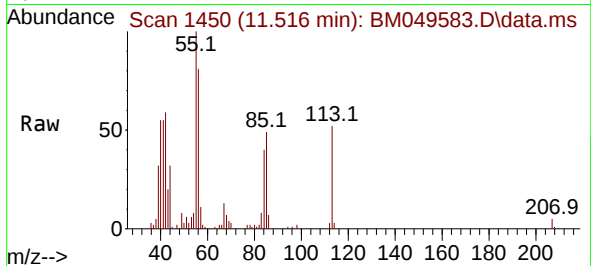
#35
Caprolactam
Concen: 5.887 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.024 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

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

Tgt Ion:113 Resp: 1958
Ion Ratio Lower Upper
113 100
55 191.4 157.5 197.5
56 155.3 114.6 154.6

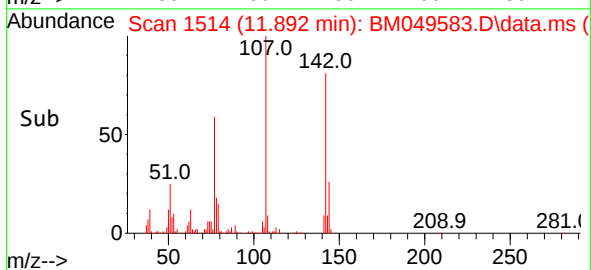
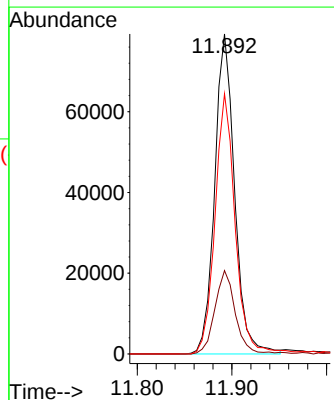
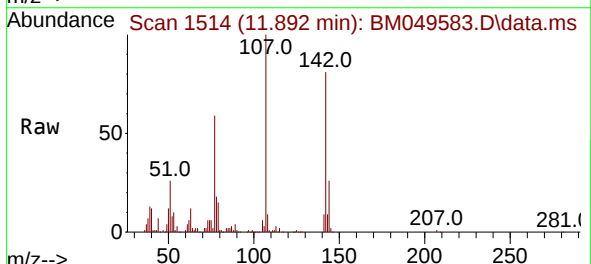
Manual Integrations
APPROVED

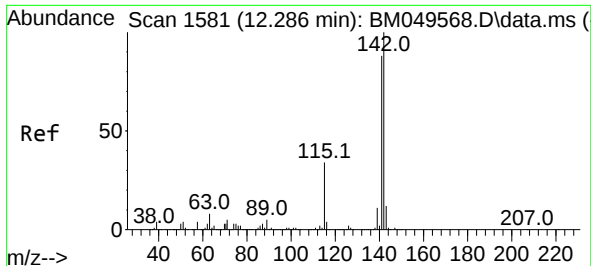
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#36
4-Chloro-3-methylphenol
Concen: 10.658 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

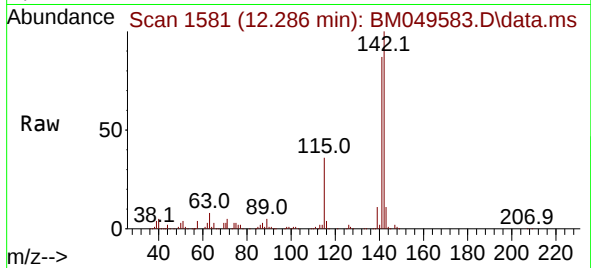
Tgt Ion:107 Resp: 115902
Ion Ratio Lower Upper
107 100
144 26.0 21.2 31.8
142 81.3 65.4 98.2





#37
2-Methylnaphthalene
Concen: 12.042 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

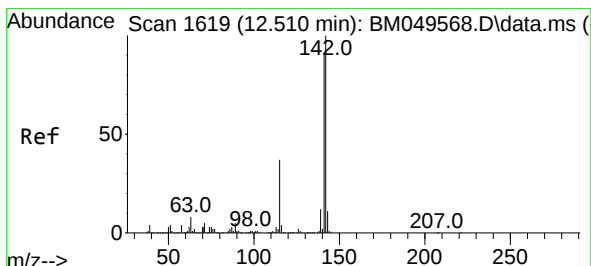
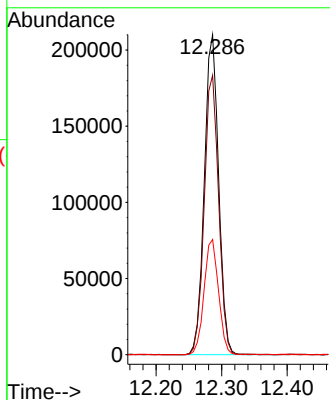
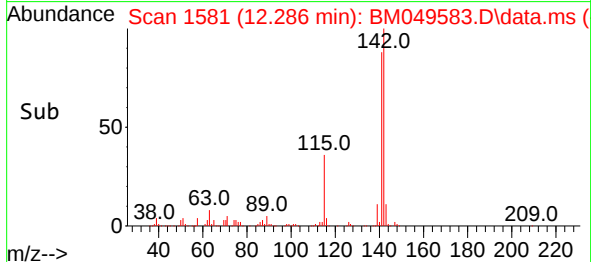
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:142 Resp: 31938
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.4
115 36.0 27.5 41.3

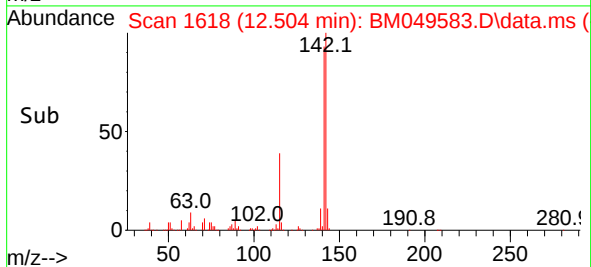
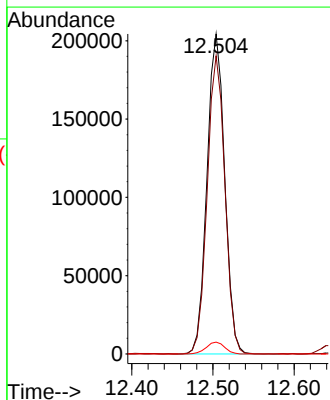
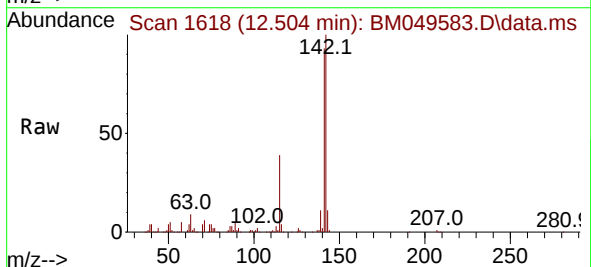
Manual Integrations
APPROVED

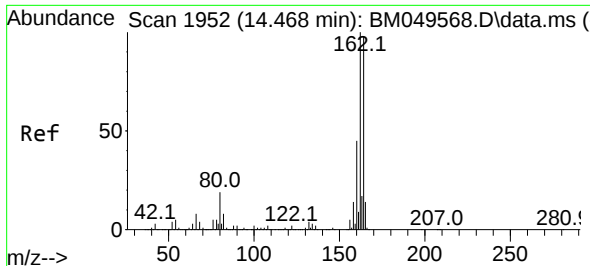
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#38
1-Methylnaphthalene
Concen: 12.008 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

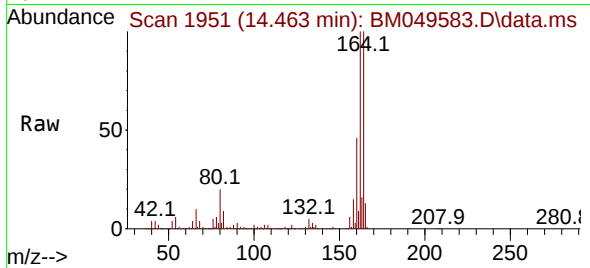
Tgt Ion:142 Resp: 309870
Ion Ratio Lower Upper
142 100
141 93.2 73.1 109.7
116 3.7 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

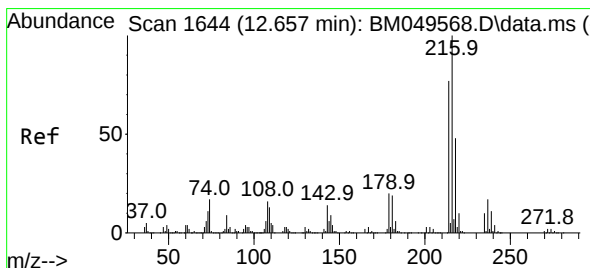
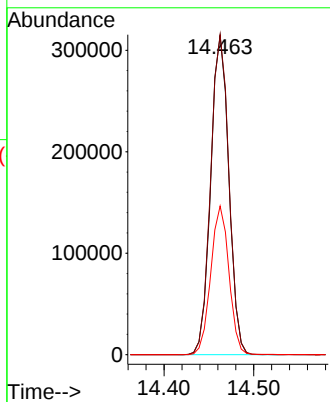
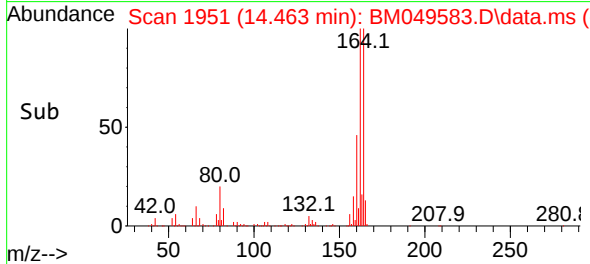
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:164 Resp: 441060
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 46.6 36.2 54.4

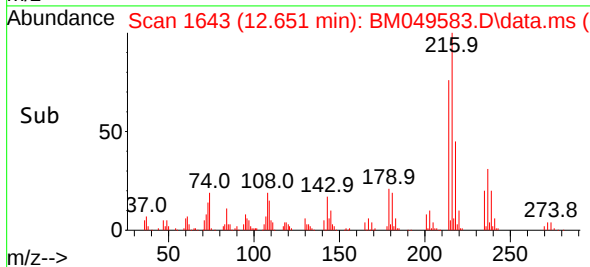
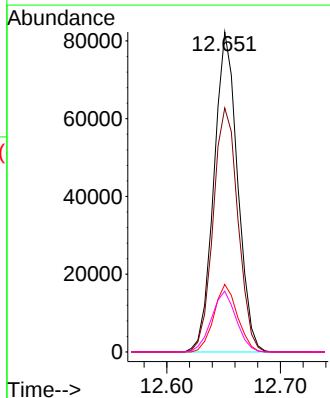
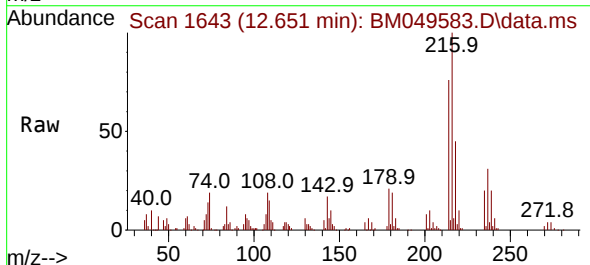
Manual Integrations
APPROVED

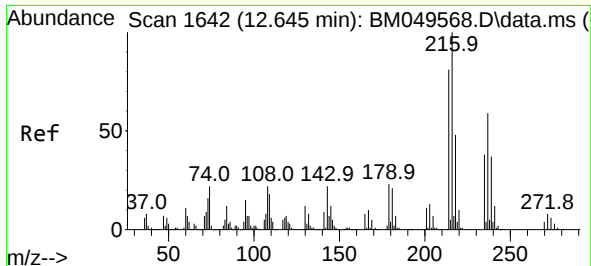
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.195 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

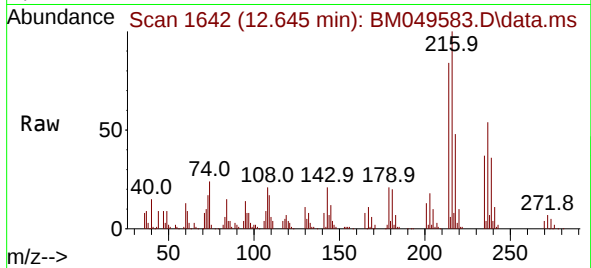
Tgt Ion:216 Resp: 118841
Ion Ratio Lower Upper
216 100
214 79.7 62.4 93.6
179 21.0 16.3 24.5
108 19.8 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 13.682 ng
RT: 12.645 min Scan# 10
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

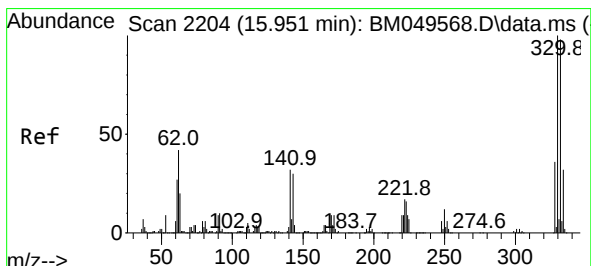
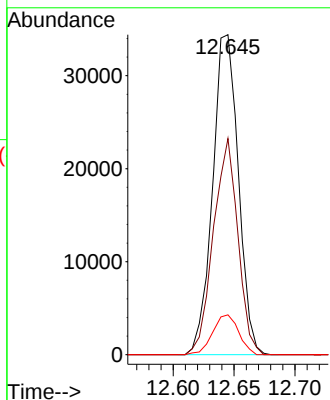
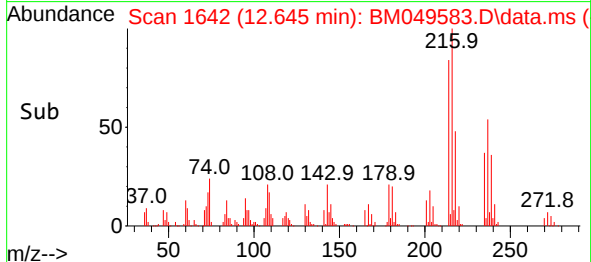
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



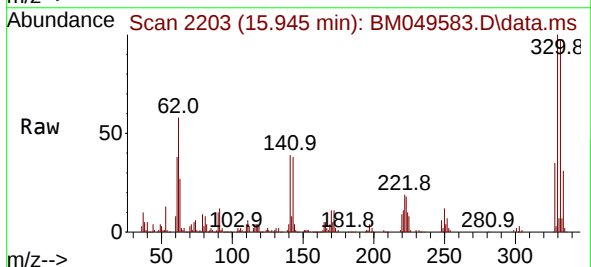
Tgt Ion:237 Resp: 5065
Ion Ratio Lower Upper
237 100
235 67.6 43.8 83.8
272 12.5 0.0 33.5

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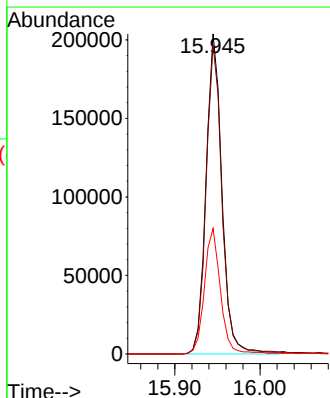
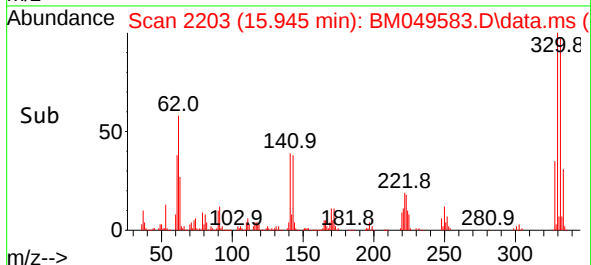
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

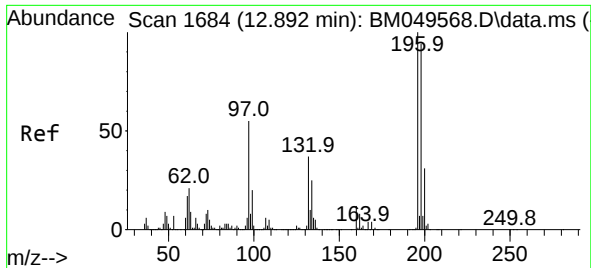


#42
2,4,6-Tribromophenol
Concen: 50.686 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



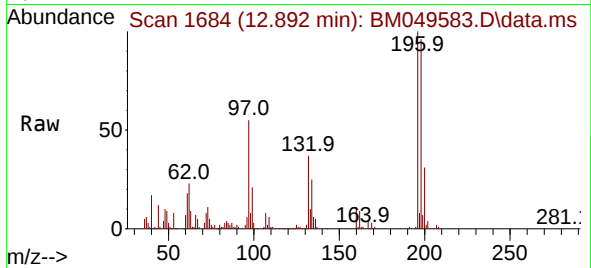
Tgt Ion:330 Resp: 264898
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 39.5 28.2 42.2





#43
2,4,6-Trichlorophenol
Concen: 10.430 ng
RT: 12.892 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

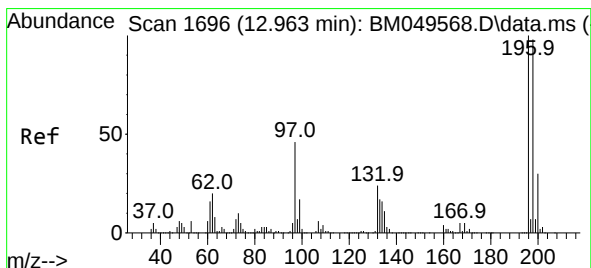
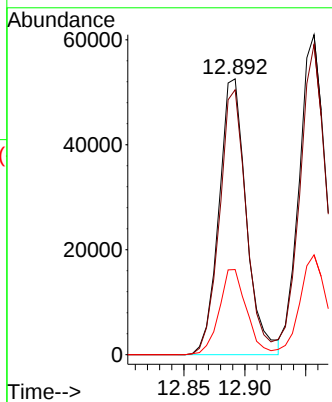
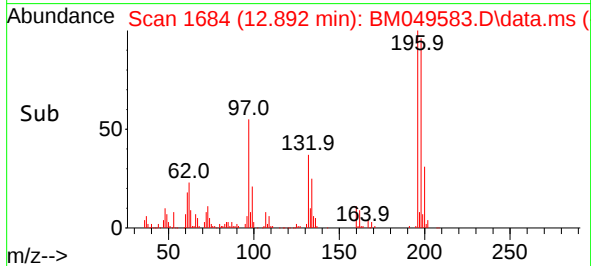
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



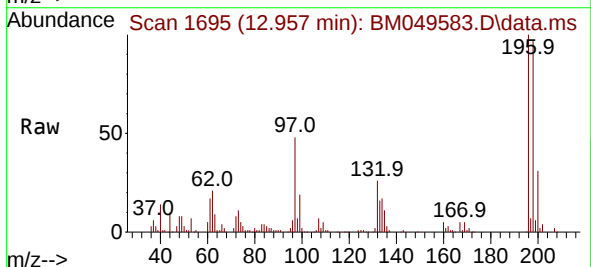
Tgt Ion:196 Resp: 8253
Ion Ratio Lower Upper
196 100
198 96.0 75.4 113.0
200 30.9 25.1 37.7

Manual Integrations
APPROVED

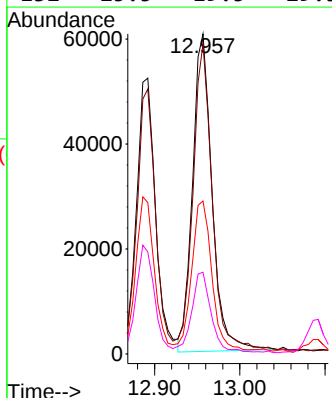
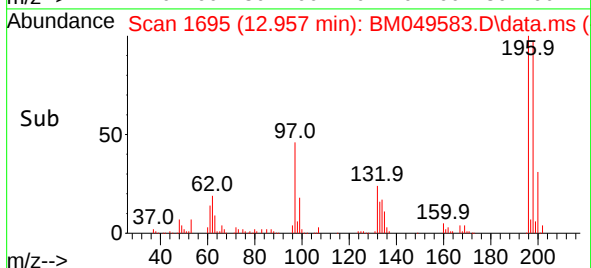
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

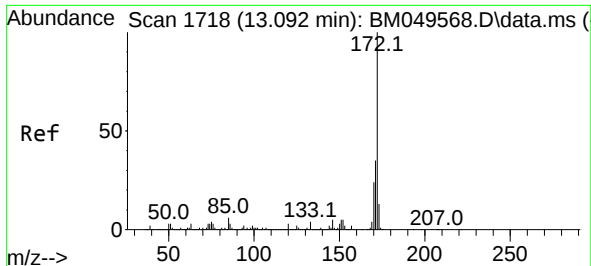


#44
2,4,5-Trichlorophenol
Concen: 11.094 ng
RT: 12.957 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



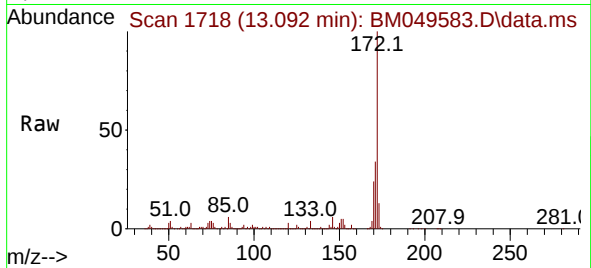
Tgt Ion:196 Resp: 96478
Ion Ratio Lower Upper
196 100
198 96.9 78.4 117.6
97 47.8 37.4 56.0
132 25.5 19.5 29.3





#45
2-Fluorobiphenyl
Concen: 57.257 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

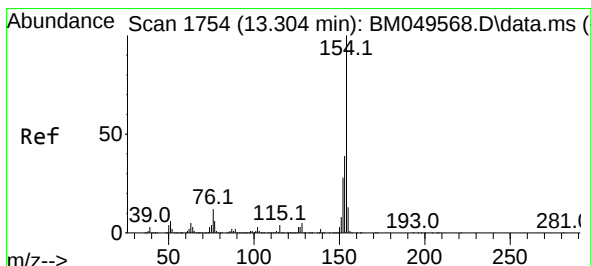
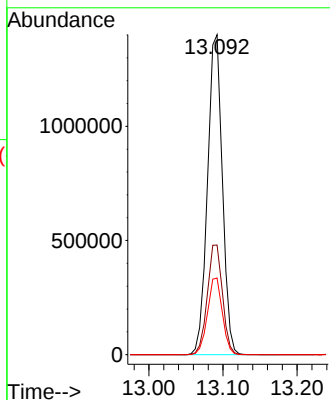
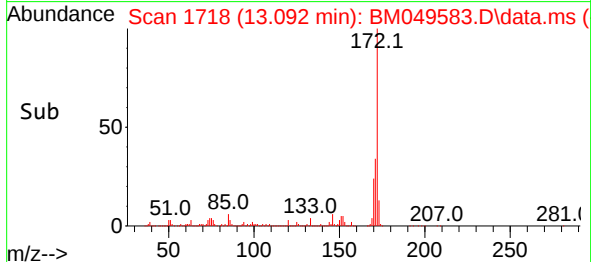
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



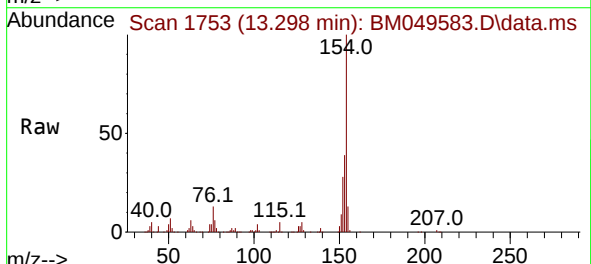
Tgt Ion:172 Resp: 1949454
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 23.9 19.0 28.4

Manual Integrations
APPROVED

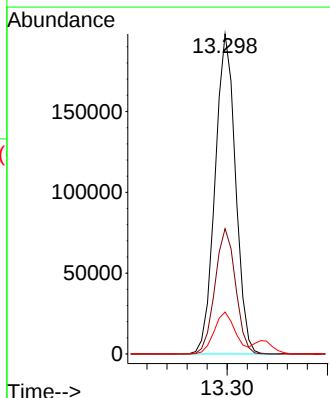
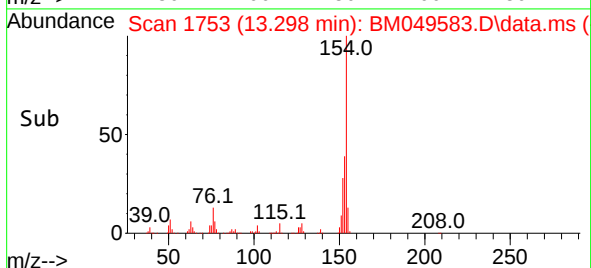
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

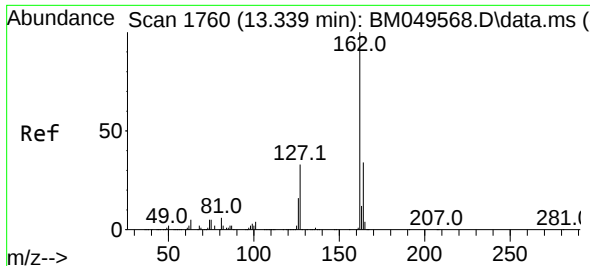


#46
1,1'-Biphenyl
Concen: 8.305 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



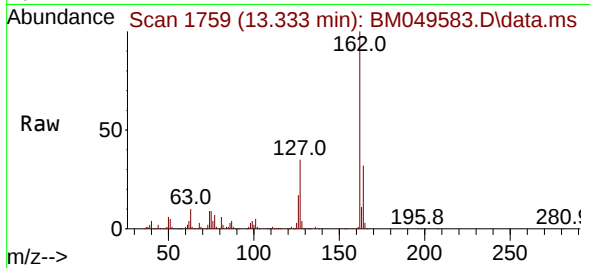
Tgt Ion:154 Resp: 279431
Ion Ratio Lower Upper
154 100
153 39.1 19.5 59.5
76 13.1 0.0 32.1





#47
2-Chloronaphthalene
Concen: 13.035 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

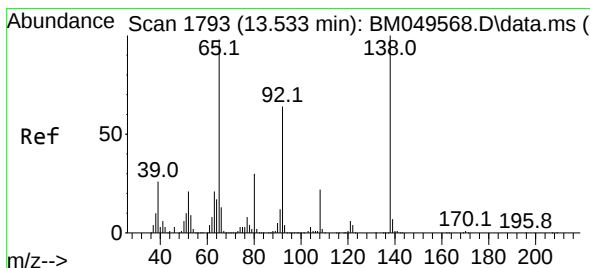
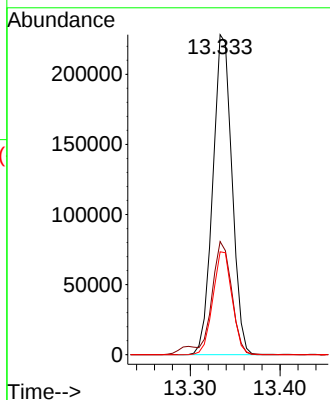
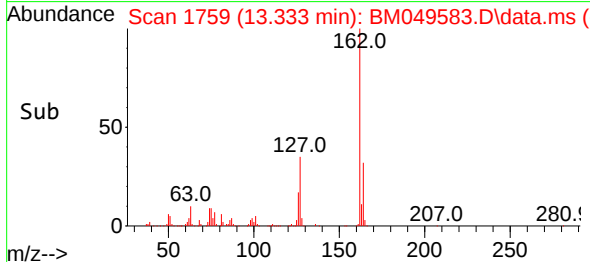
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



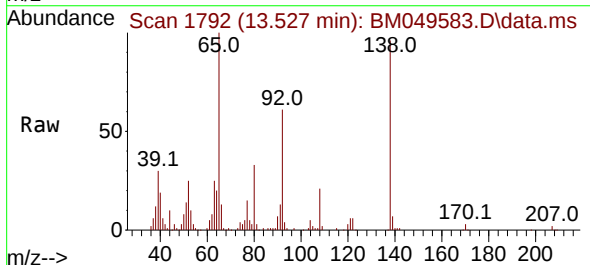
Tgt Ion:162 Resp: 33933
Ion Ratio Lower Upper
162 100
127 35.4 27.9 41.9
164 32.2 26.8 40.2

Manual Integrations
APPROVED

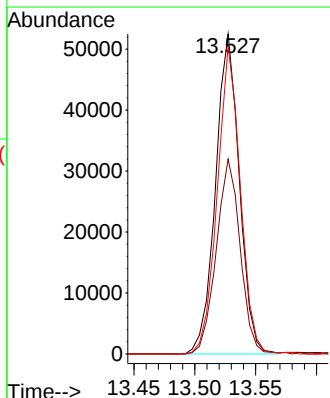
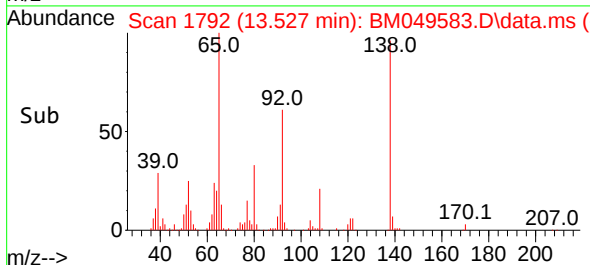
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

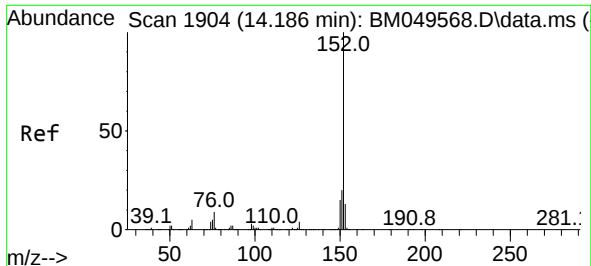


#48
2-Nitroaniline
Concen: 11.935 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



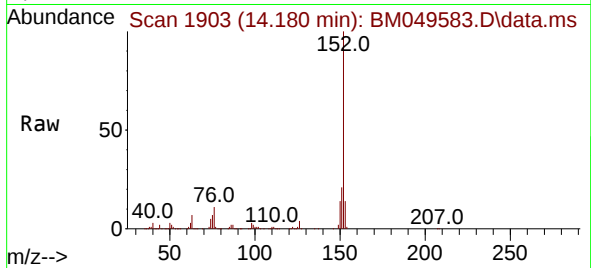
Tgt Ion: 65 Resp: 71295
Ion Ratio Lower Upper
65 100
92 60.9 52.0 78.0
138 96.3 81.6 122.4





#49
Acenaphthylene
Concen: 13.509 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

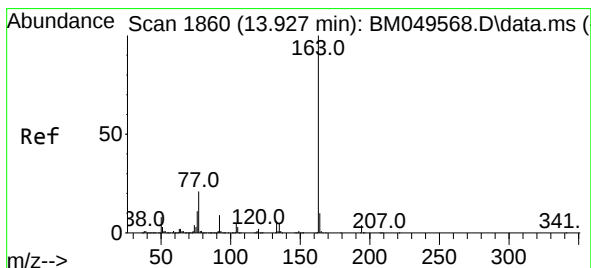
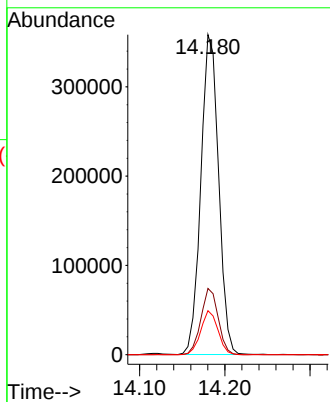
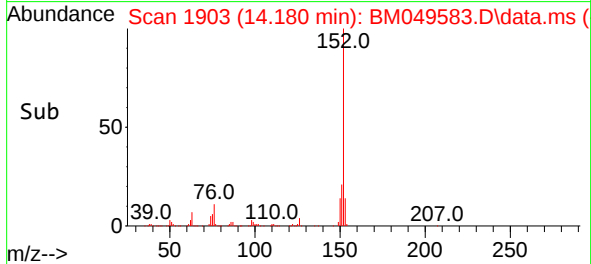
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



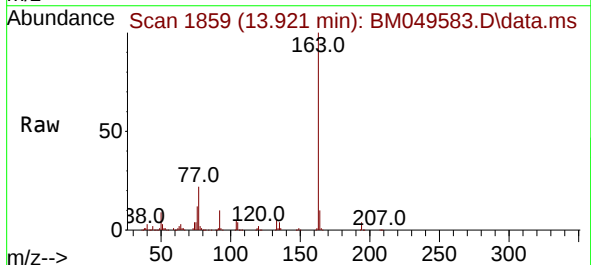
Tgt Ion:152 Resp: 51856
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 13.7 10.6 16.0

Manual Integrations
APPROVED

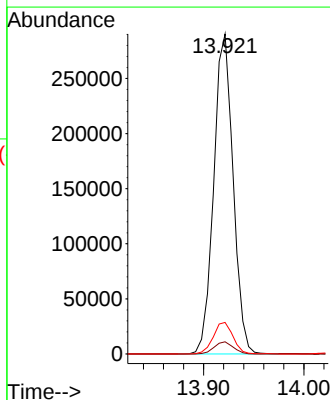
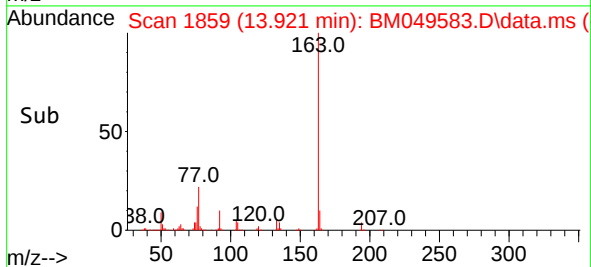
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

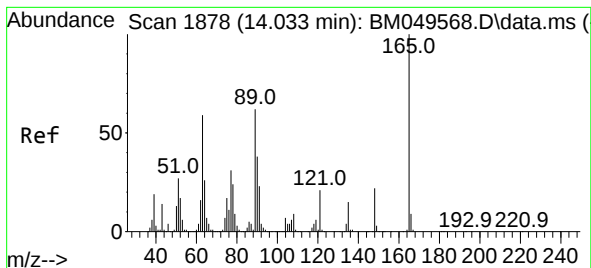


#50
Dimethylphthalate
Concen: 12.292 ng
RT: 13.921 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



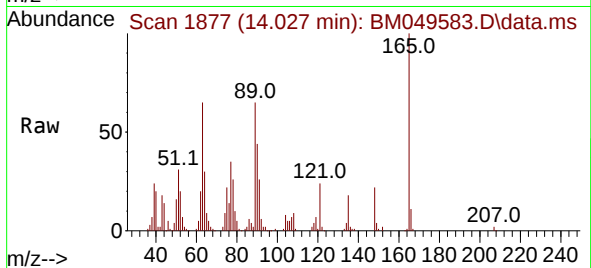
Tgt Ion:163 Resp: 389359
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.8 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 12.447 ng
RT: 14.027 min Scan# 1877
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

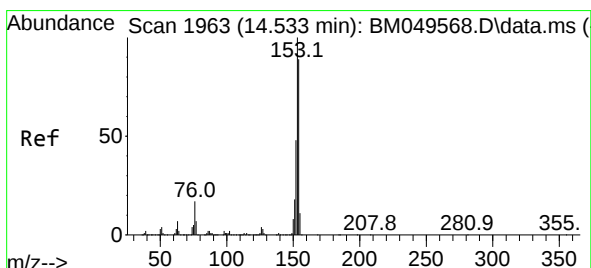
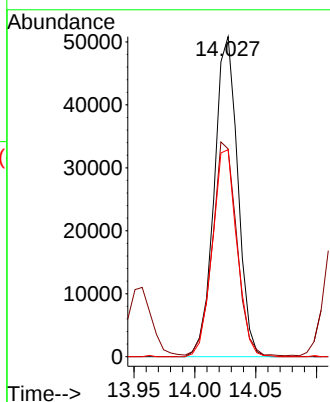
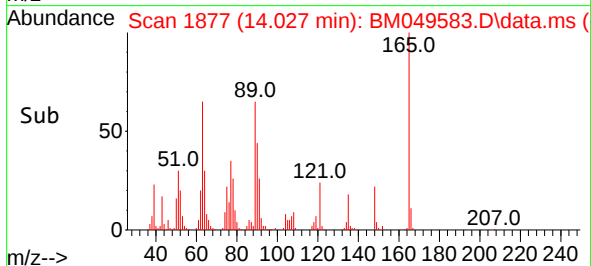
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 6822
Ion Ratio Lower Upper
165 100
63 65.0 47.8 71.6
89 64.7 49.2 73.8

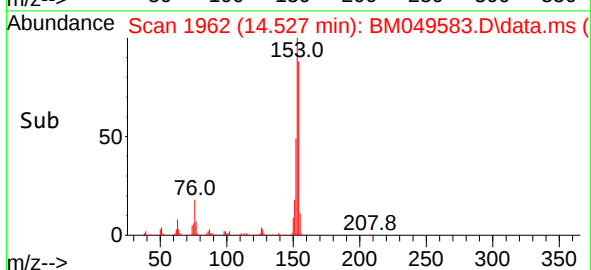
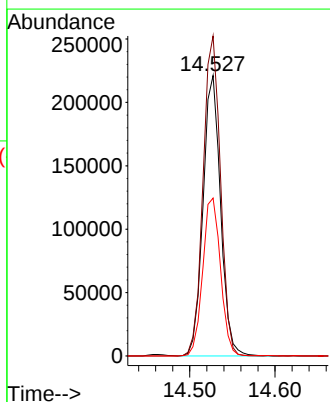
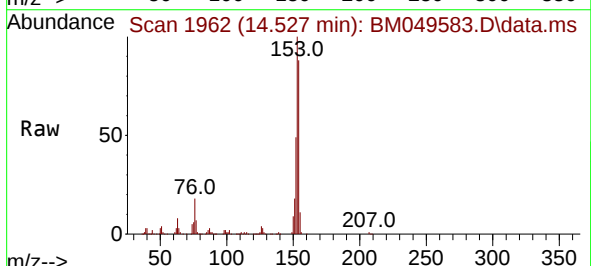
Manual Integrations
APPROVED

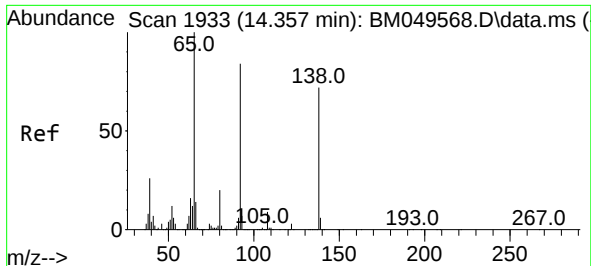
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#52
Acenaphthene
Concen: 12.413 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

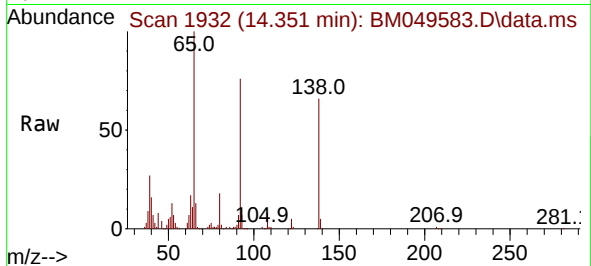
Tgt Ion:154 Resp: 316287
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 56.3 43.0 64.4





#53
3-Nitroaniline
Concen: 12.761 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

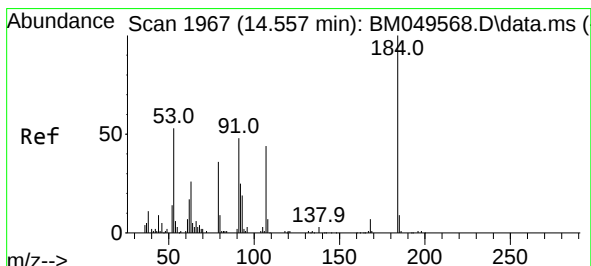
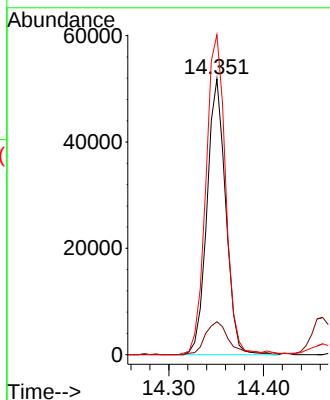
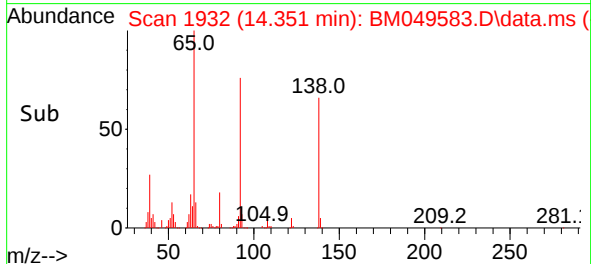
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:138 Resp: 71210
Ion Ratio Lower Upper
138 100
108 11.9 10.3 15.5
92 116.0 93.6 140.4

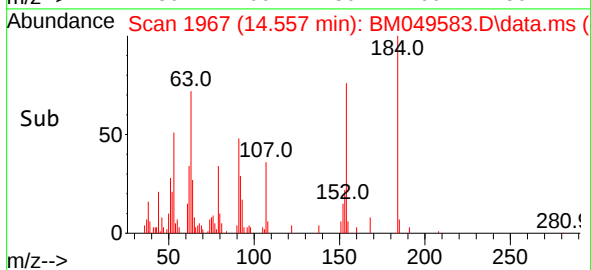
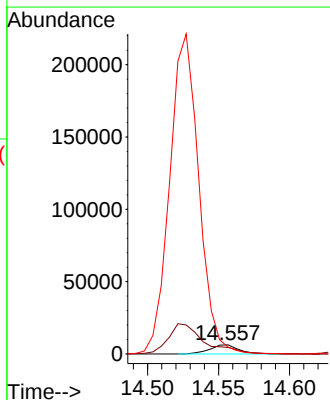
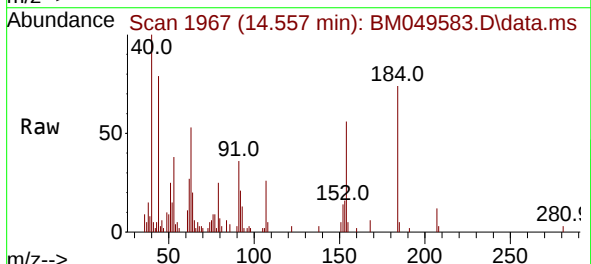
Manual Integrations
APPROVED

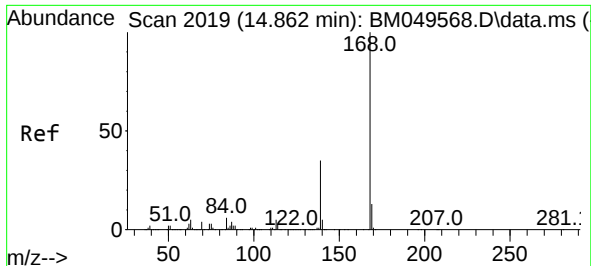
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54
2,4-Dinitrophenol
Concen: 12.150 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

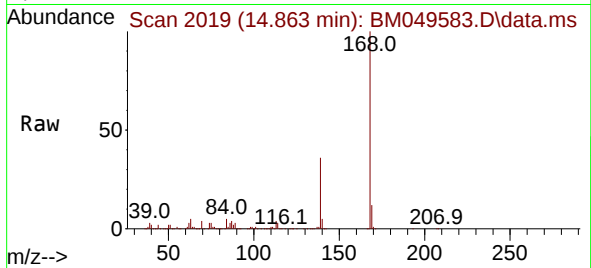
Tgt Ion:184 Resp: 8780
Ion Ratio Lower Upper
184 100
63 71.7 60.2 90.4
154 75.7 78.2 117.4#





#55
Dibenzenofuran
Concen: 12.611 ng
RT: 14.863 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

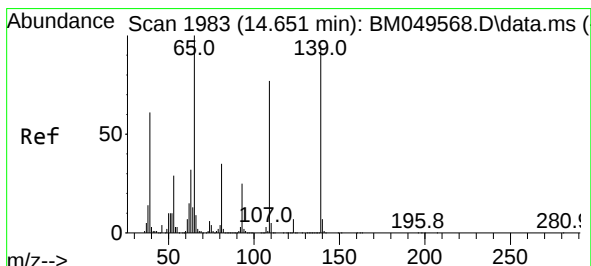
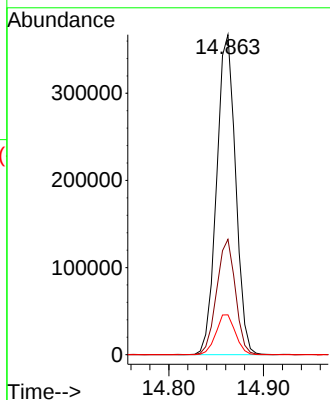
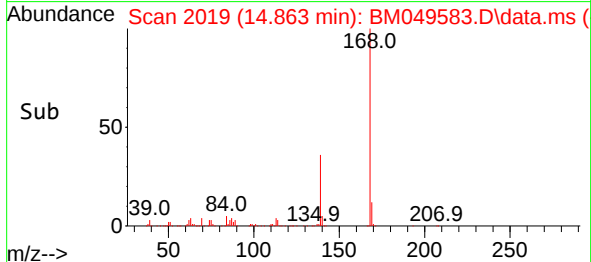
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



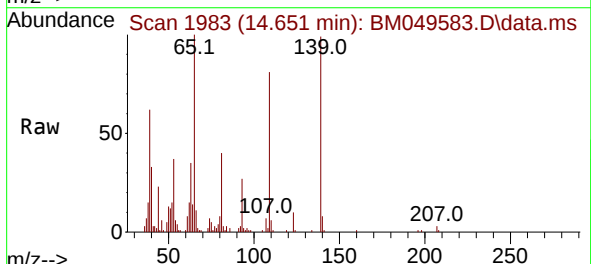
Tgt Ion:168 Resp: 511634
Ion Ratio Lower Upper
168 100
139 36.0 28.4 42.6
169 12.5 10.8 16.2

Manual Integrations
APPROVED

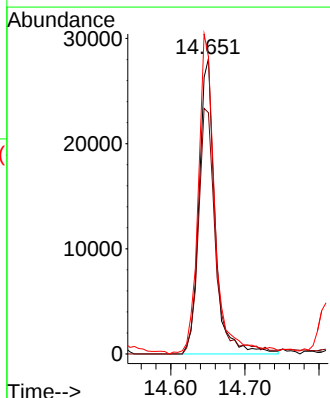
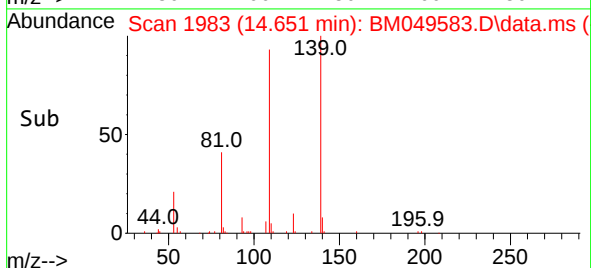
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

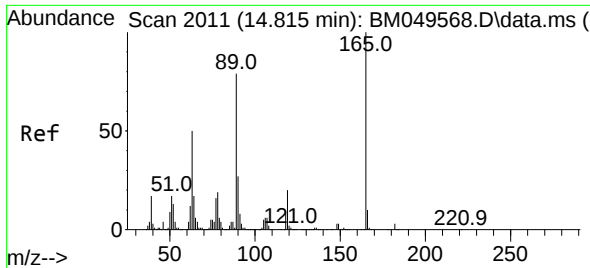


#56
4-Nitrophenol
Concen: 8.972 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



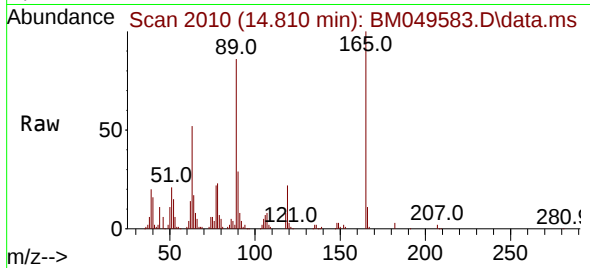
Tgt Ion:139 Resp: 42206
Ion Ratio Lower Upper
139 100
109 81.7 61.4 101.4
65 100.6 85.6 125.6





#57
2,4-Dinitrotoluene
Concen: 13.957 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

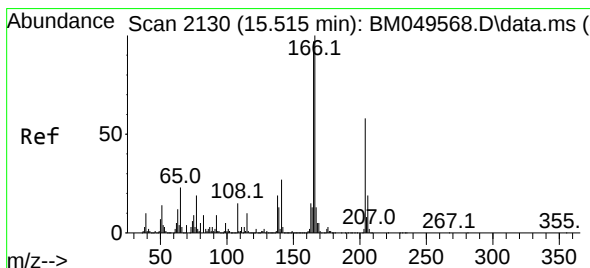
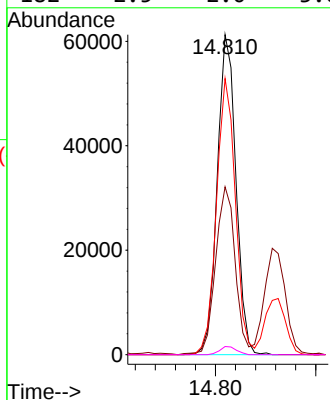
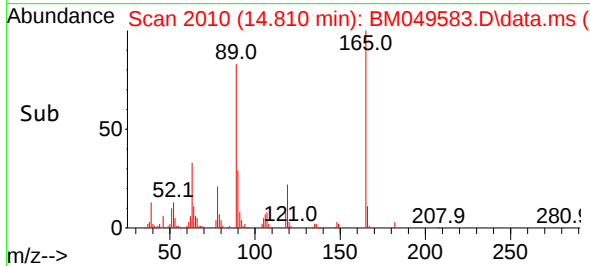
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:165 Resp: 79278
Ion Ratio Lower Upper
165 100
63 52.5 39.8 59.6
89 86.3 63.5 95.3
182 2.5 2.0 3.0

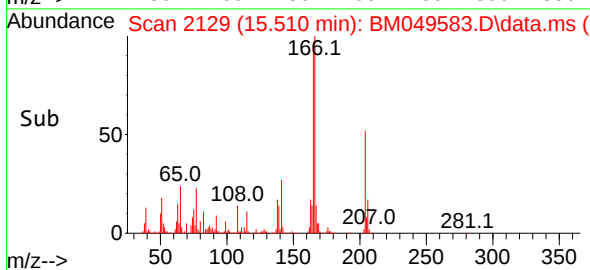
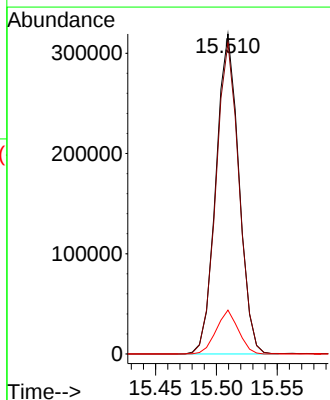
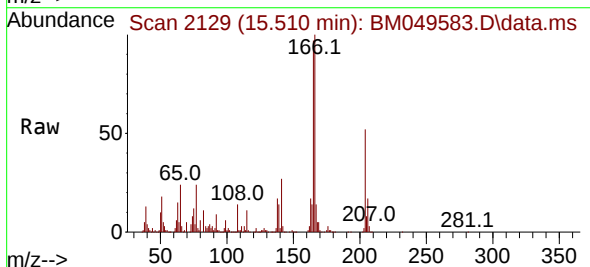
Manual Integrations
APPROVED

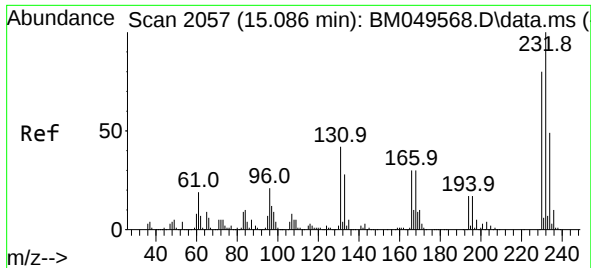
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#58
Fluorene
Concen: 12.071 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

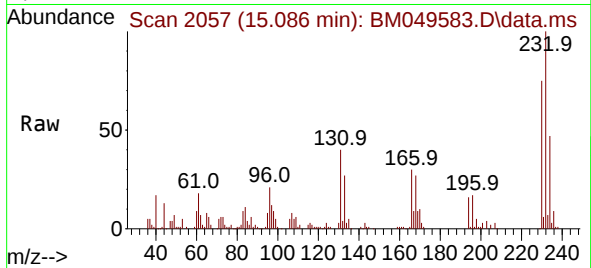
Tgt Ion:166 Resp: 418947
Ion Ratio Lower Upper
166 100
165 97.3 77.7 116.5
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 11.262 ng m
RT: 15.086 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

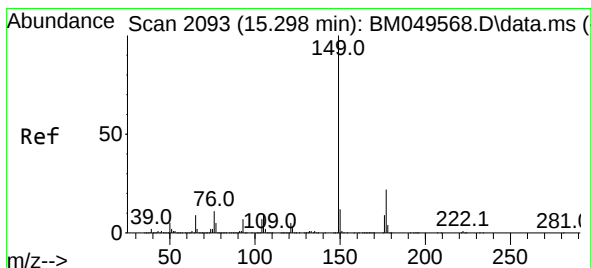
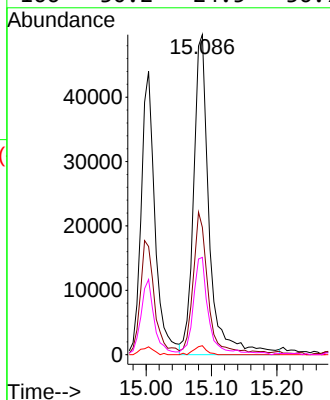
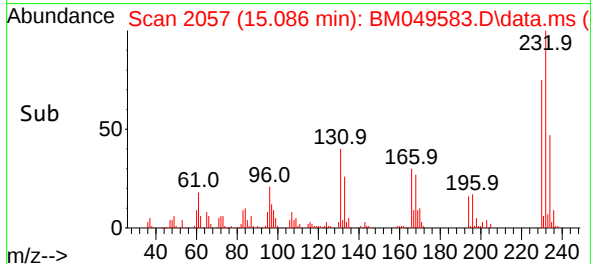
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



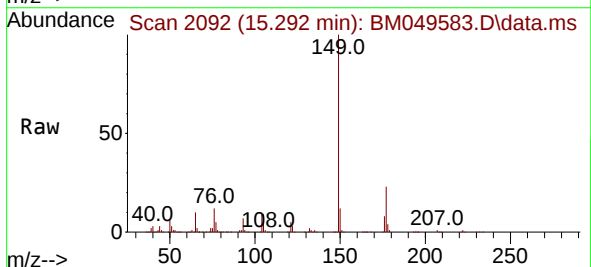
Tgt Ion:232 Resp: 8274
Ion Ratio Lower Upper
232 100
131 41.1 34.5 51.7
130 2.3 1.9 2.9
166 30.2 24.5 36.7

Manual Integrations
APPROVED

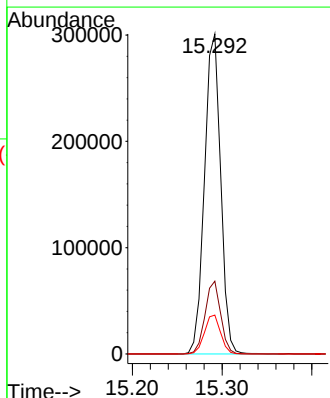
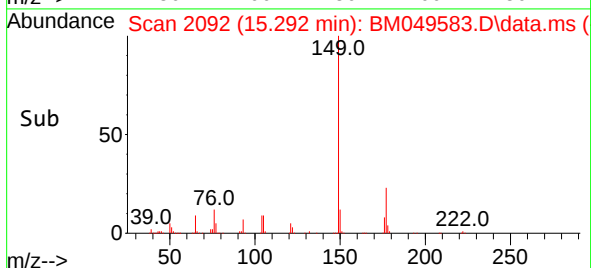
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

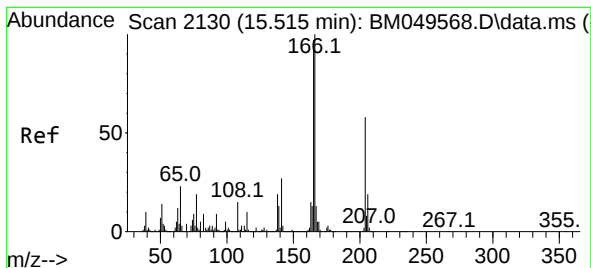


#60
Diethylphthalate
Concen: 11.831 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



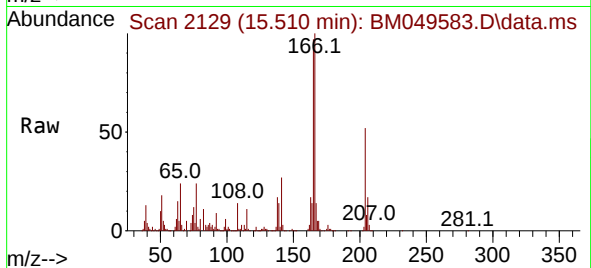
Tgt Ion:149 Resp: 376618
Ion Ratio Lower Upper
149 100
177 22.7 18.0 27.0
150 12.2 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 11.733 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

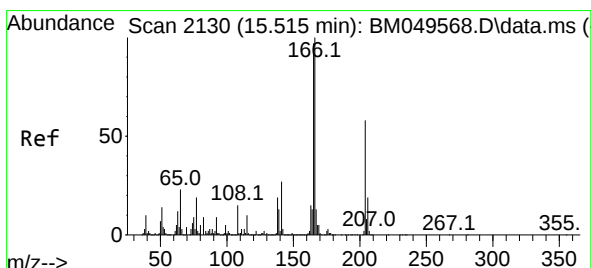
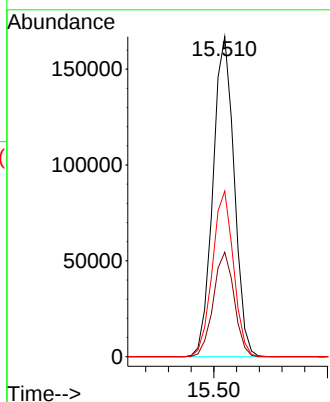
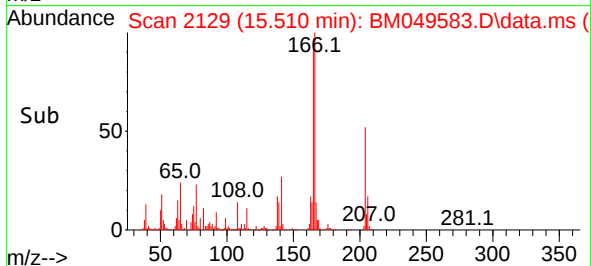
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:204 Resp: 21673
Ion Ratio Lower Upper
204 100
206 32.6 26.0 39.0
141 51.7 37.1 55.7

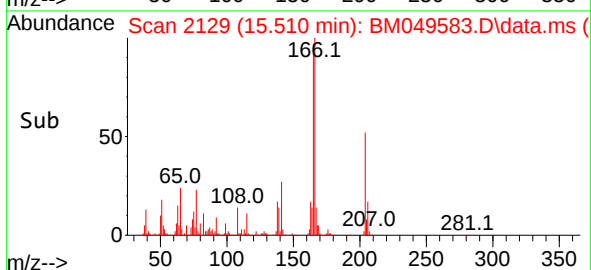
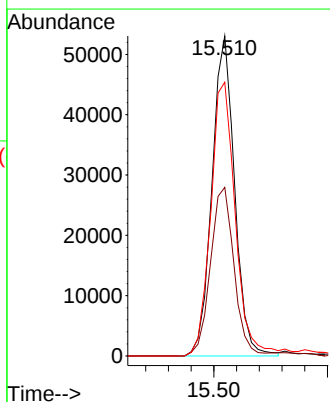
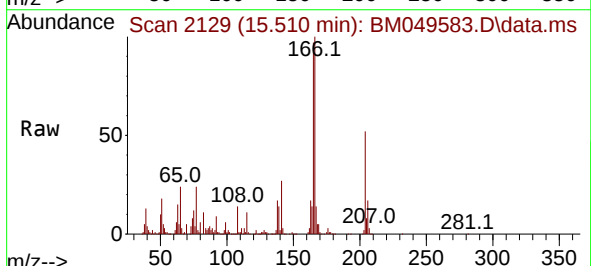
Manual Integrations
APPROVED

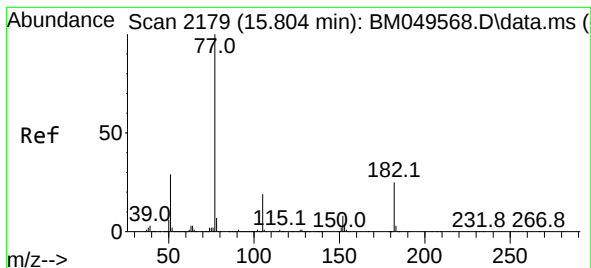
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#62
4-Nitroaniline
Concen: 11.732 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

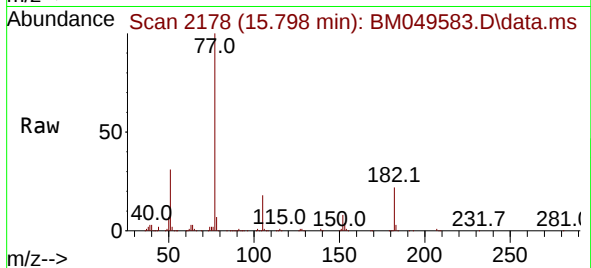
Tgt Ion:138 Resp: 73323
Ion Ratio Lower Upper
138 100
92 52.7 29.3 69.3
108 85.6 60.1 100.1





#63
Azobenzene
Concen: 13.225 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

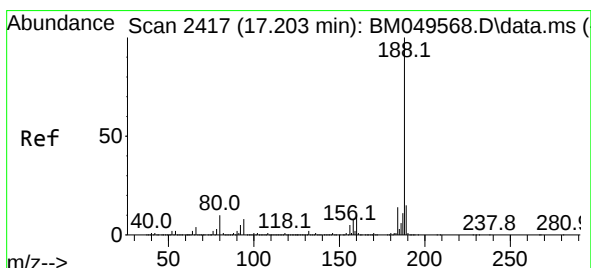
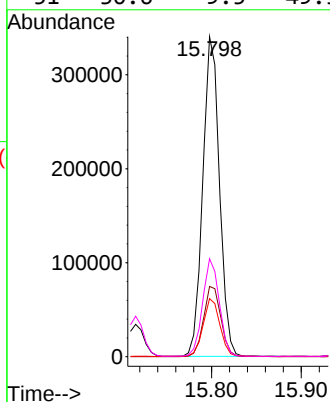
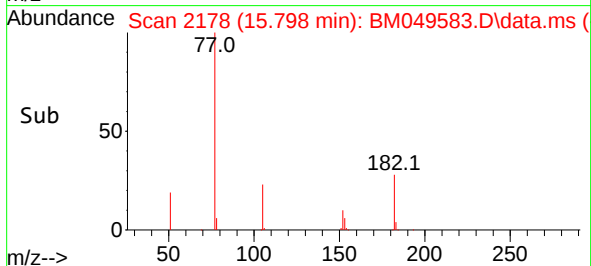
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



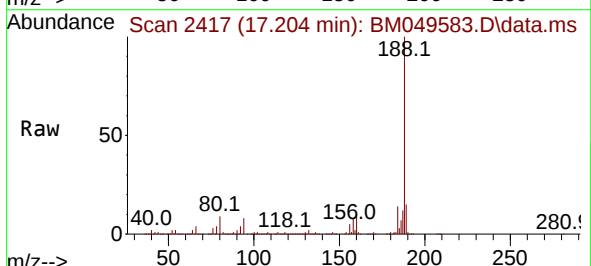
Tgt Ion: 77 Resp: 439425
Ion Ratio Lower Upper
77 100
182 21.9 4.7 44.7
105 18.1 0.0 39.3
51 30.6 9.5 49.5

Manual Integrations
APPROVED

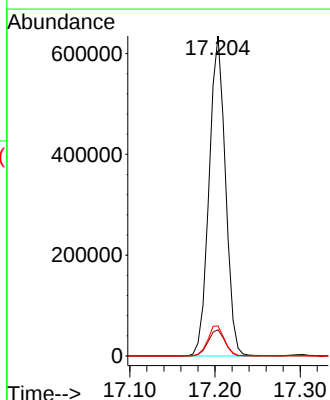
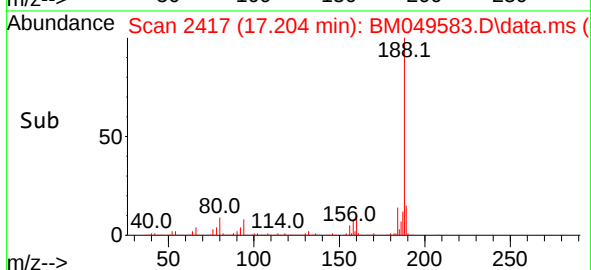
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

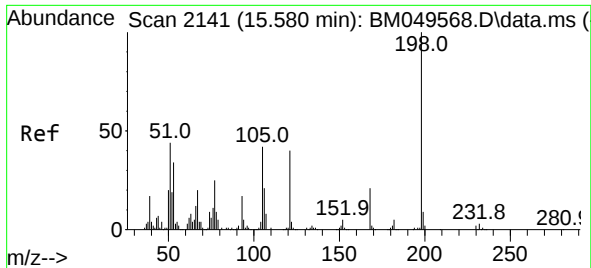


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



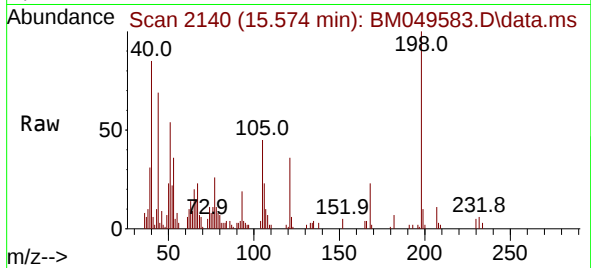
Tgt Ion:188 Resp: 846227
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 9.4 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 12.372 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

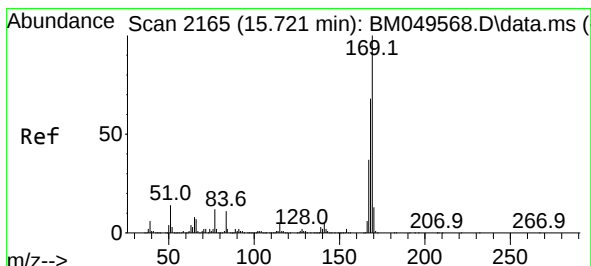
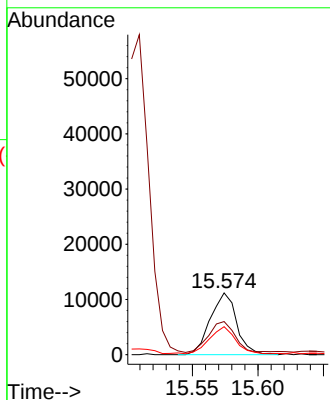
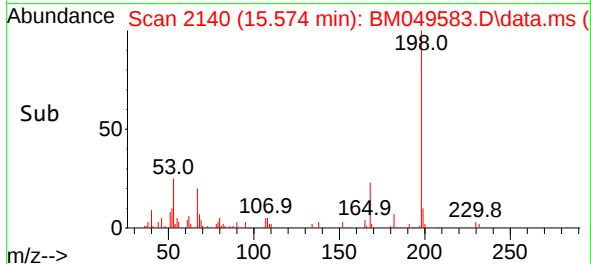
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



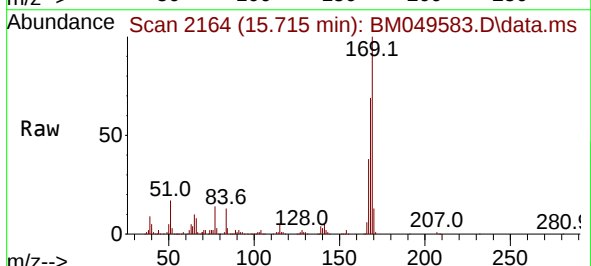
Tgt Ion:198 Resp: 1562
Ion Ratio Lower Upper
198 100
51 53.7 26.9 66.9
105 45.4 22.8 62.8

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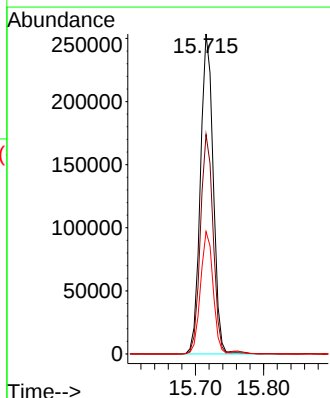
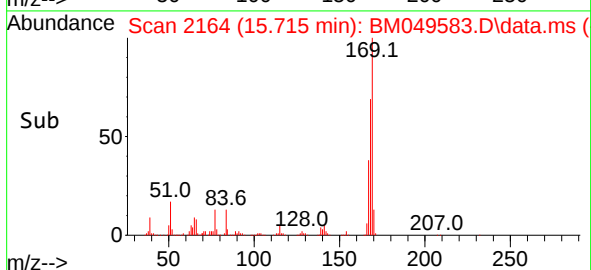
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

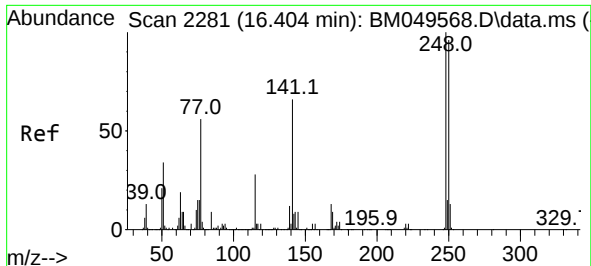


#66
n-Nitrosodiphenylamine
Concen: 12.398 ng
RT: 15.715 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



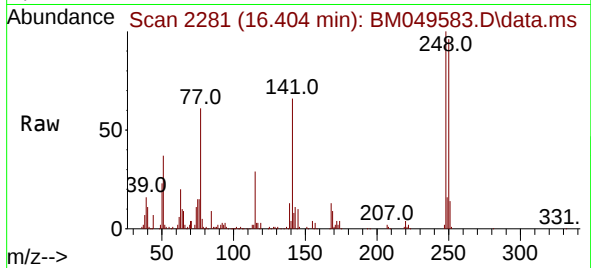
Tgt Ion:169 Resp: 330859
Ion Ratio Lower Upper
169 100
168 68.6 54.2 81.4
167 38.3 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 12.163 ng
RT: 16.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

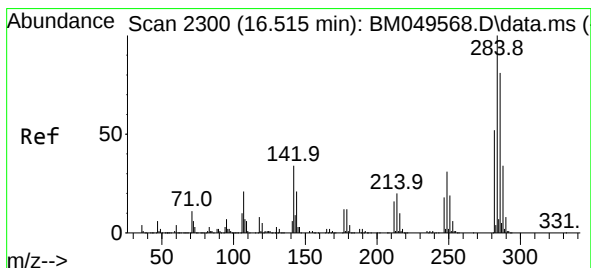
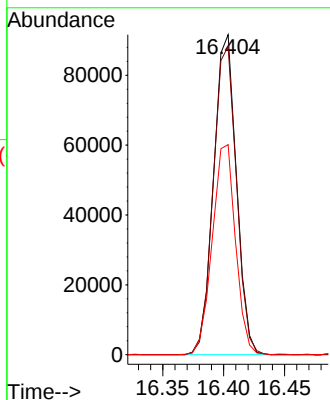
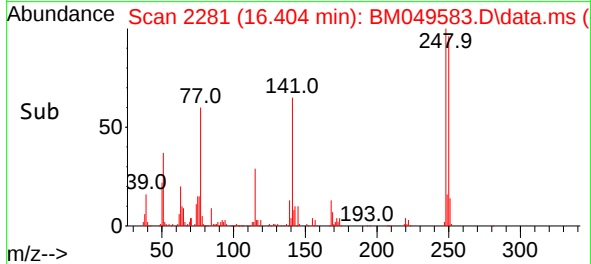
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



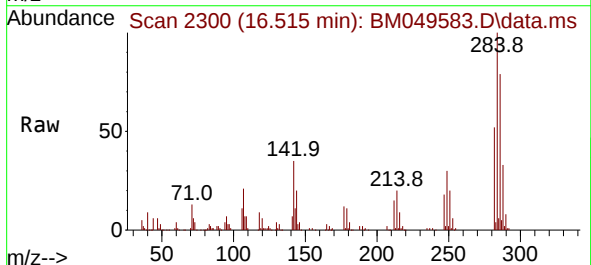
Tgt Ion:248 Resp: 119572
Ion Ratio Lower Upper
248 100
250 96.3 77.0 115.4
141 65.7 53.0 79.4

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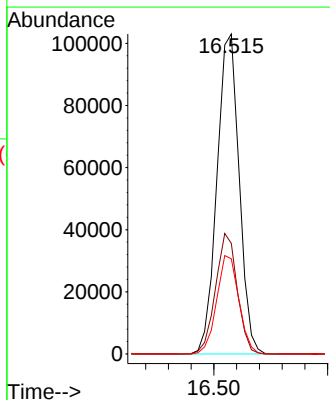
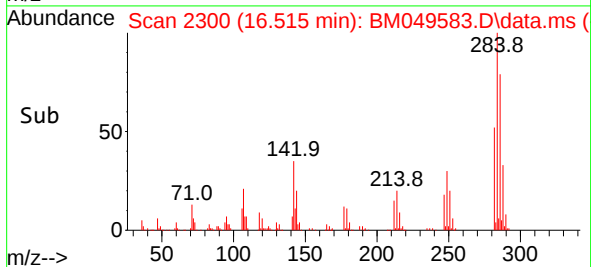
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

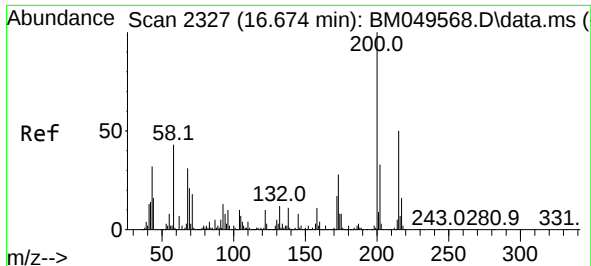


#68
Hexachlorobenzene
Concen: 12.401 ng
RT: 16.515 min Scan# 2300
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



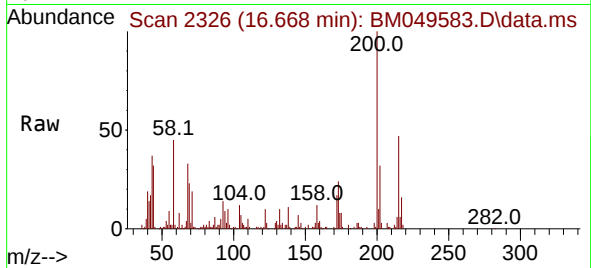
Tgt Ion:284 Resp: 139933
Ion Ratio Lower Upper
284 100
142 34.5 27.1 40.7
249 29.7 24.6 36.8





#69
 Atrazine
 Concen: 7.487 ng
 RT: 16.668 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03

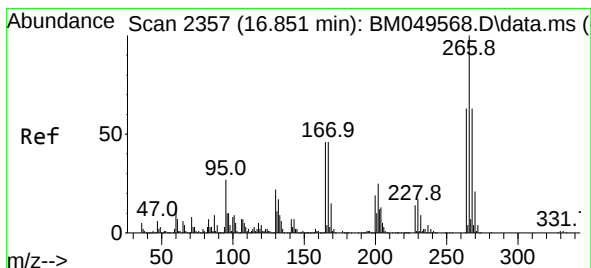
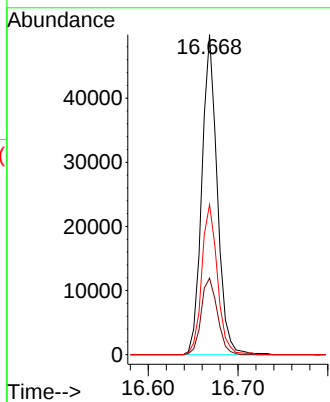
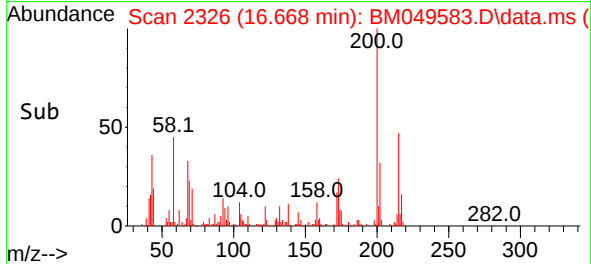
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:200 Resp: 5939
 Ion Ratio Lower Upper
 200 100
 173 23.9 7.6 47.6
 215 46.9 30.2 70.2

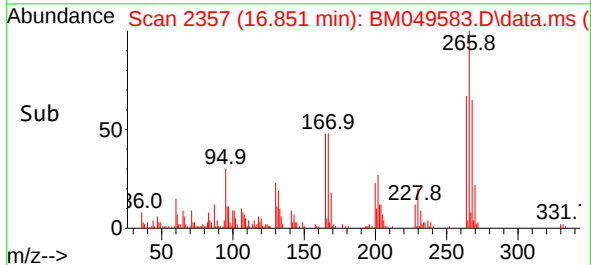
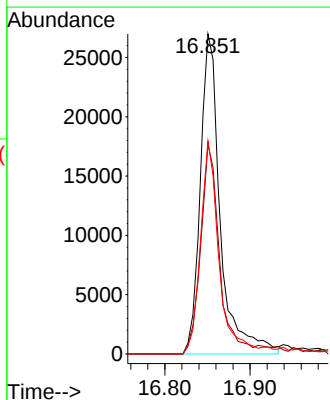
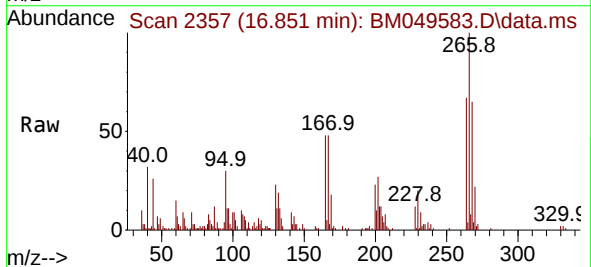
Manual Integrations
 APPROVED

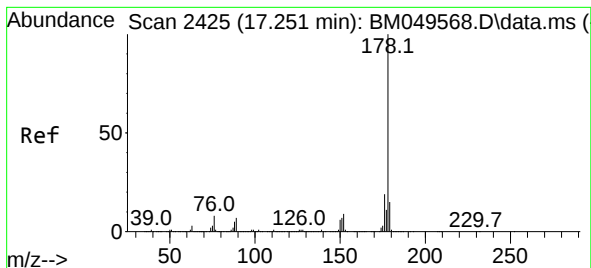
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#70
 Pentachlorophenol
 Concen: 12.947 ng
 RT: 16.851 min Scan# 2357
 Delta R.T. 0.000 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03

Tgt Ion:266 Resp: 44117
 Ion Ratio Lower Upper
 266 100
 268 65.5 50.8 76.2
 264 66.5 50.0 75.0





#71

Phenanthrene

Concen: 12.403 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

Instrument :

BNA_M

ClientSampleId :

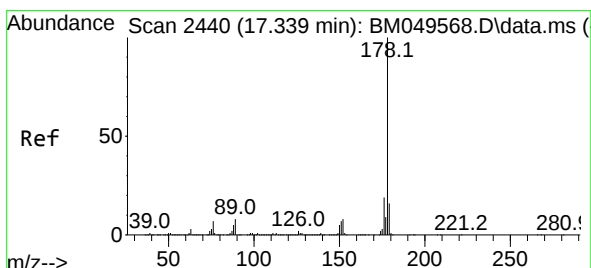
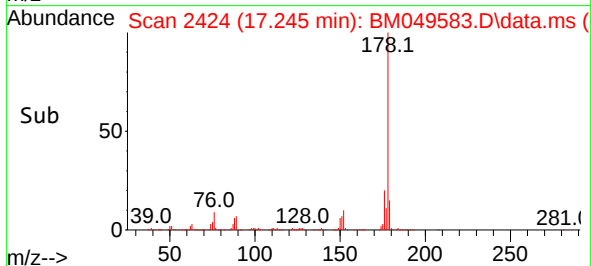
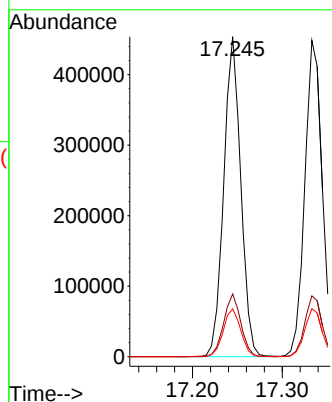
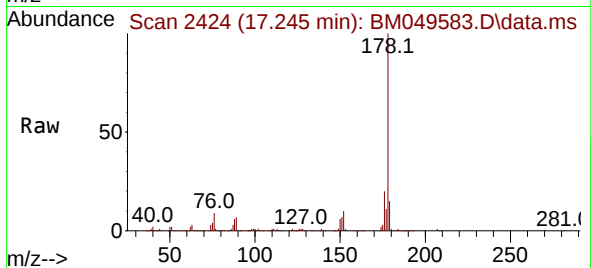
LOQ-SOIL-02-QT1-2025

Tgt Ion:178 Resp: 597954
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.0 12.2 18.2

Manual Integrations

APPROVED

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



#72

Anthracene

Concen: 12.589 ng

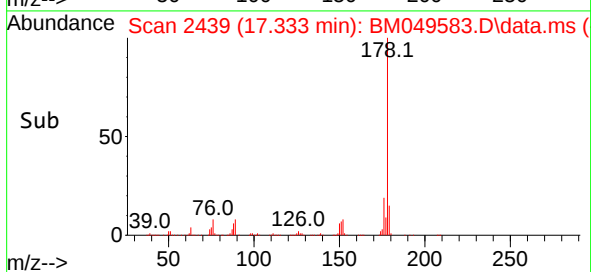
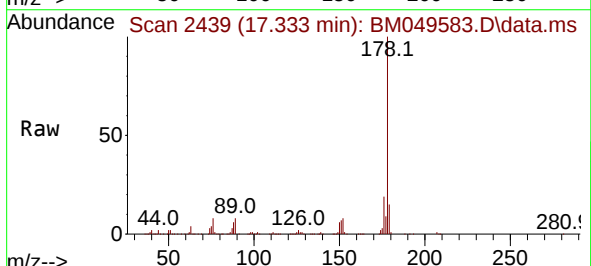
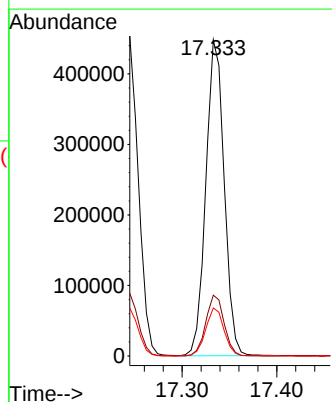
RT: 17.333 min Scan# 2439

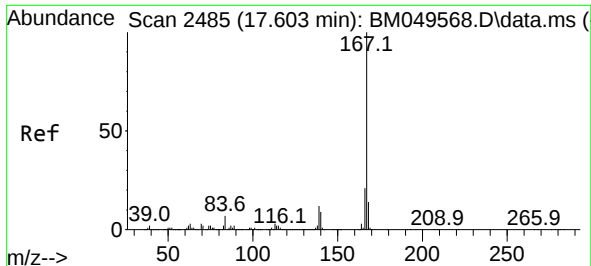
Delta R.T. -0.006 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

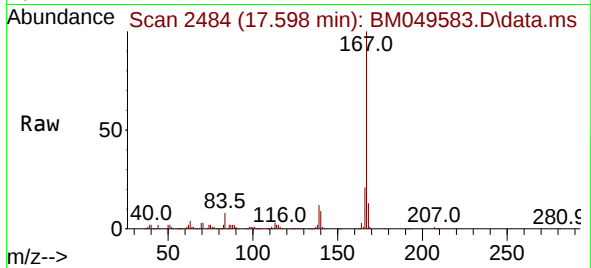
Tgt Ion:178 Resp: 600954
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 12.684 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03

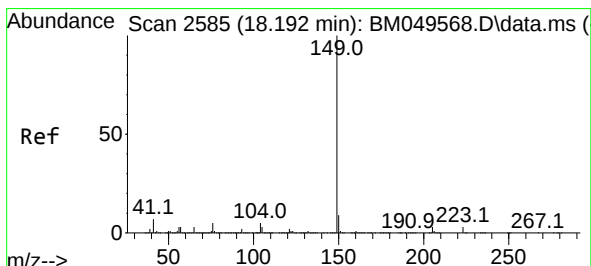
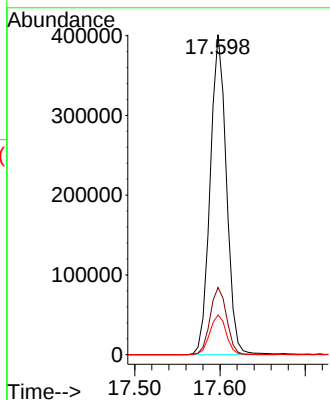
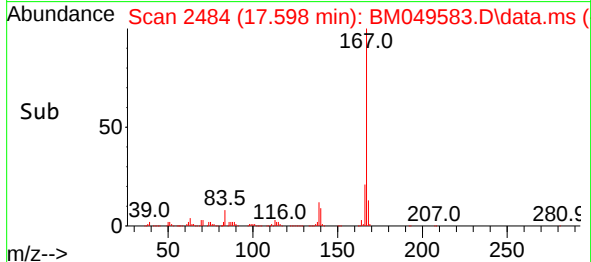
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



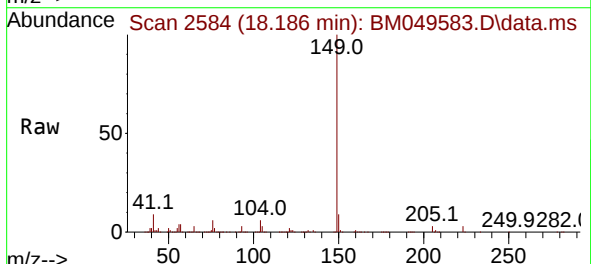
Tgt Ion:167 Resp: 531398
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.4 9.6 14.4

Manual Integrations
 APPROVED

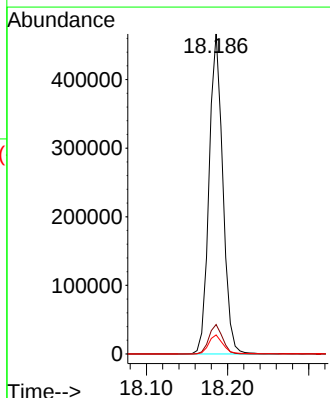
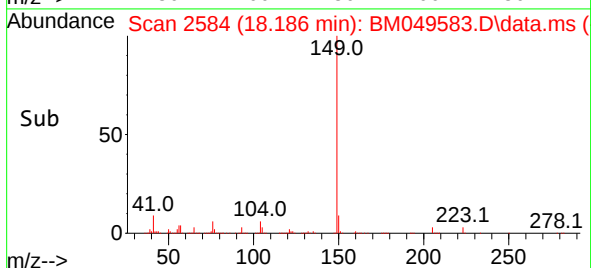
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

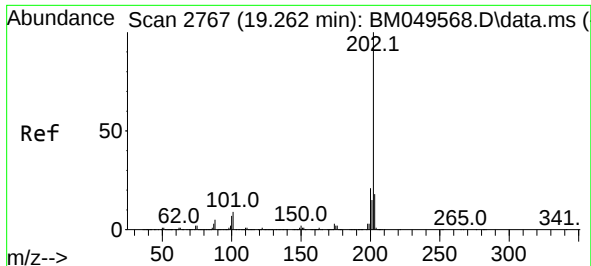


#74
 Di-n-butylphthalate
 Concen: 10.277 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03



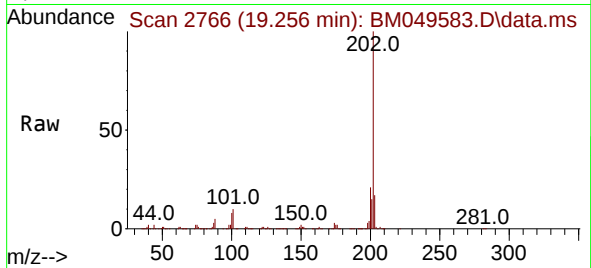
Tgt Ion:149 Resp: 546359
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 6.0 4.1 6.1





#75
Fluoranthene
Concen: 11.369 ng
RT: 19.256 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

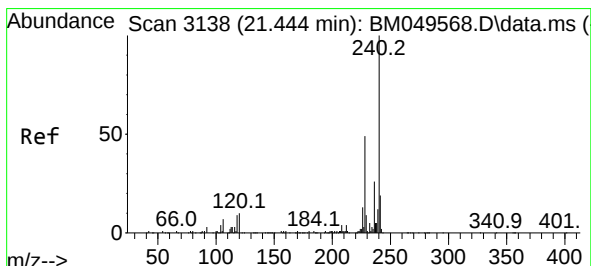
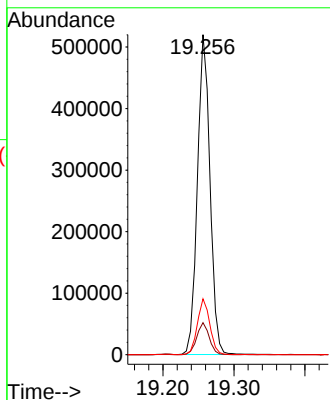
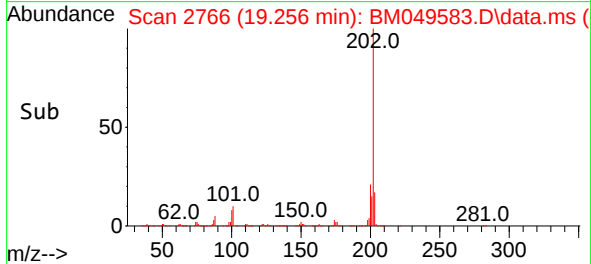
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:202 Resp: 64170
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.1
203 17.5 0.0 37.5

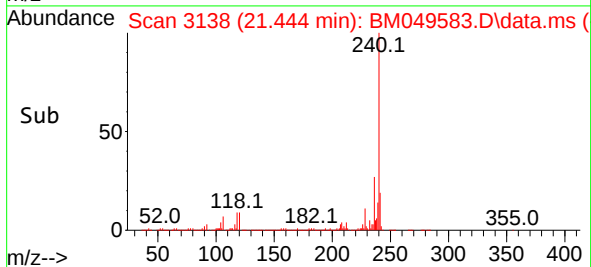
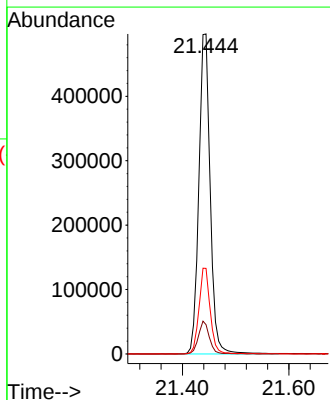
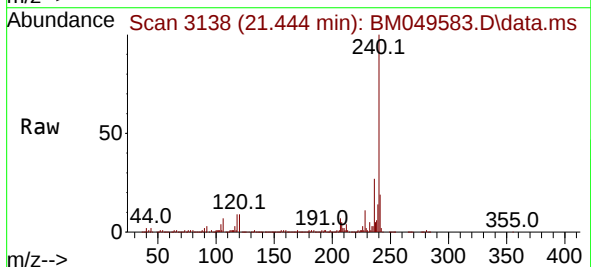
Manual Integrations
APPROVED

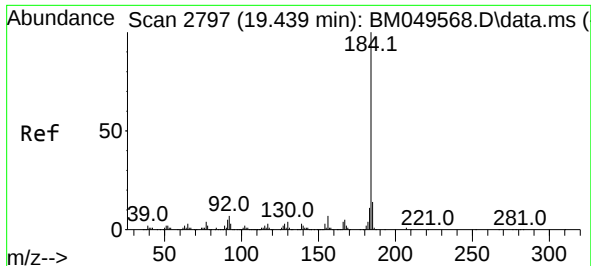
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

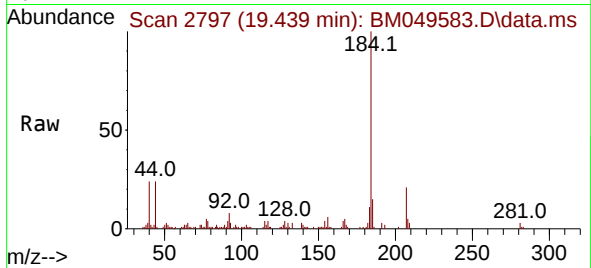
Tgt Ion:240 Resp: 734420
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.8
236 26.8 20.6 31.0





#77
Benzidine
Concen: 9.359 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

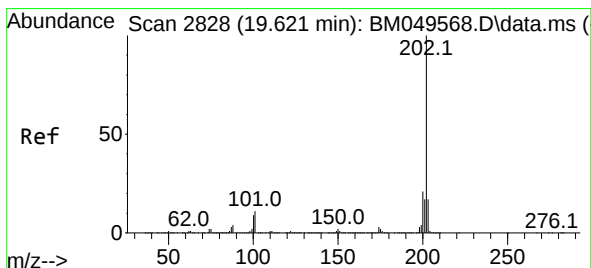
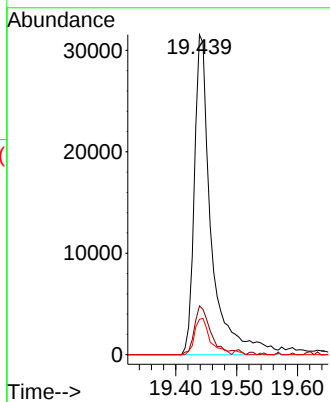
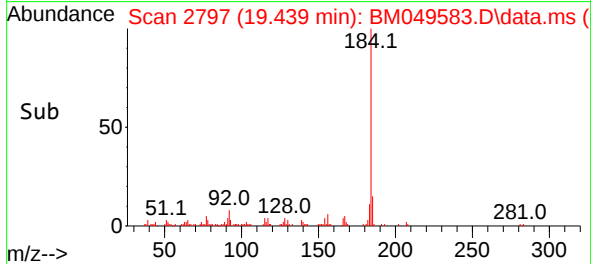
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



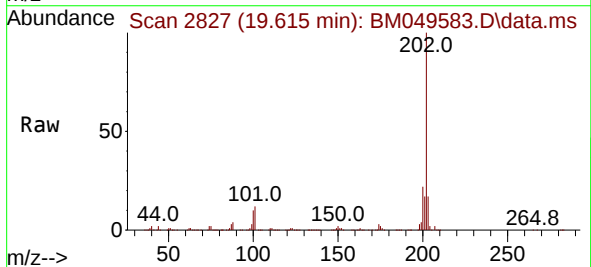
Tgt Ion:184 Resp: 6087
Ion Ratio Lower Upper
184 100
185 15.2 11.6 17.4
183 11.0 8.9 13.3

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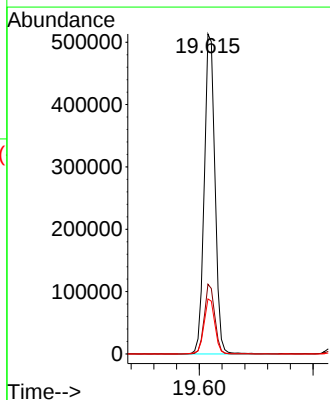
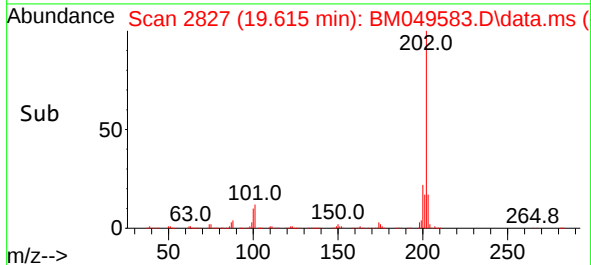
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

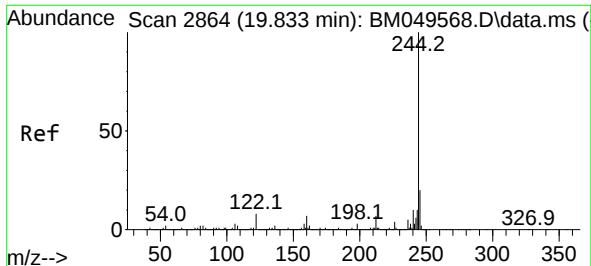


#78
Pyrene
Concen: 12.142 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



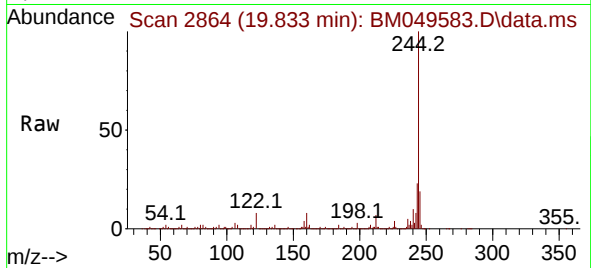
Tgt Ion:202 Resp: 667680
Ion Ratio Lower Upper
202 100
200 21.8 16.8 25.2
203 17.2 13.8 20.8





#79
 Terphenyl-d14
 Concen: 61.144 ng
 RT: 19.833 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03

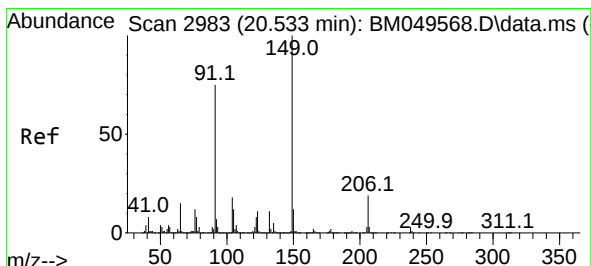
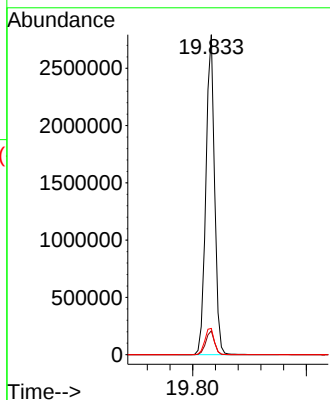
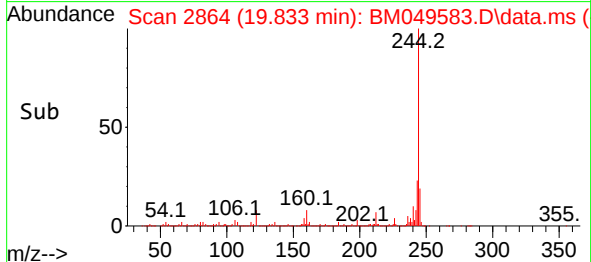
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:244 Resp: 294069
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 8.2 6.2 9.2

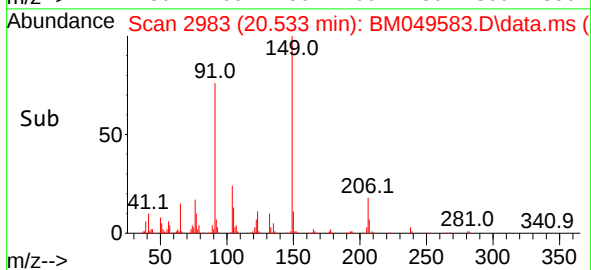
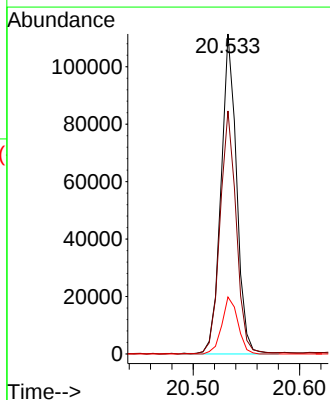
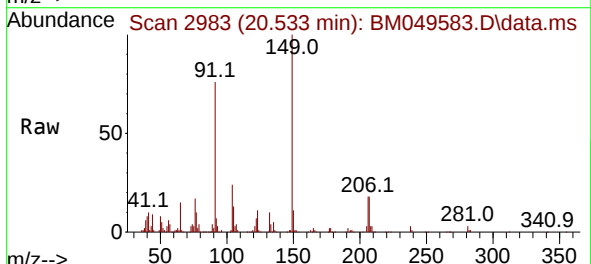
Manual Integrations
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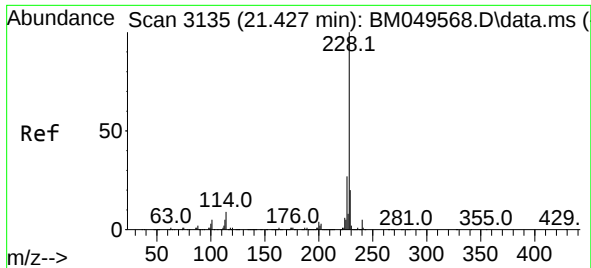
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#80
 Butylbenzylphthalate
 Concen: 6.611 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: BM049583.D
 Acq: 06 Feb 2025 17:03

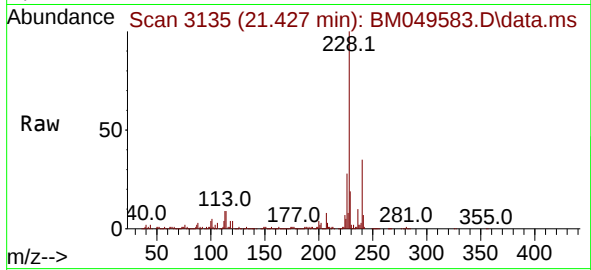
Tgt Ion:149 Resp: 113117
 Ion Ratio Lower Upper
 149 100
 91 75.9 60.2 90.2
 206 17.8 15.4 23.0





#81
Benzo(a)anthracene
Concen: 12.492 ng
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

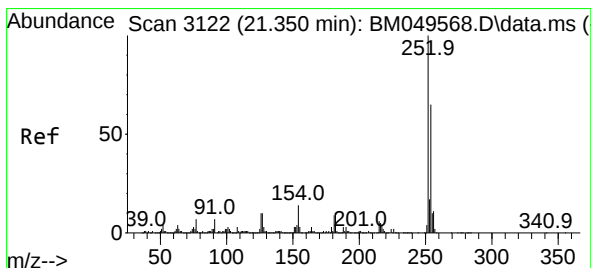
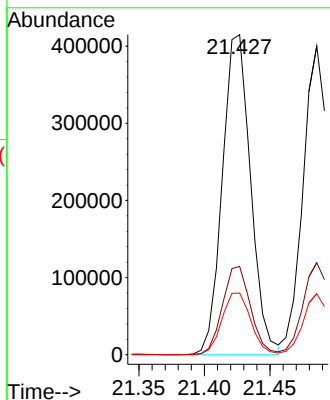
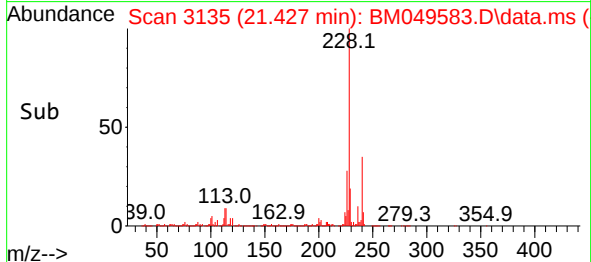
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:228 Resp: 621770
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 19.2 15.7 23.5

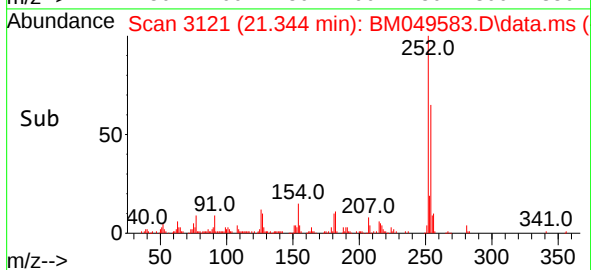
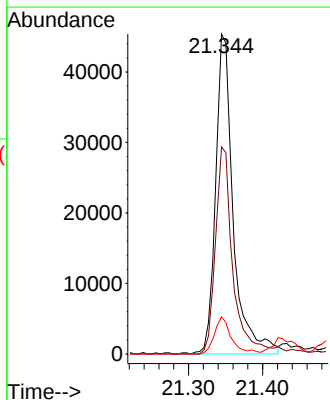
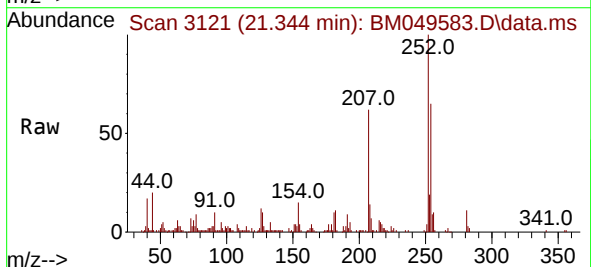
Manual Integrations
APPROVED

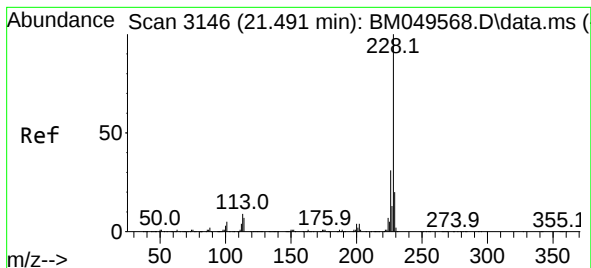
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#82
3,3'-Dichlorobenzidine
Concen: 5.600 ng
RT: 21.344 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion:252 Resp: 75004
Ion Ratio Lower Upper
252 100
254 64.7 52.1 78.1
126 11.6 7.8 11.6





#83

Chrysene

Concen: 12.426 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

Instrument :

BNA_M

ClientSampleId :

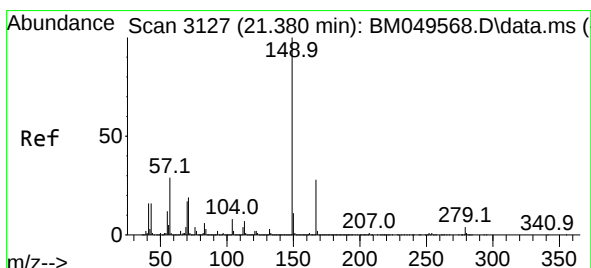
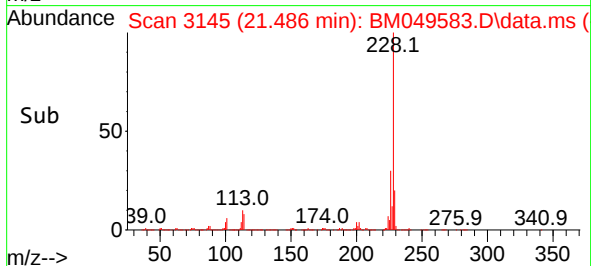
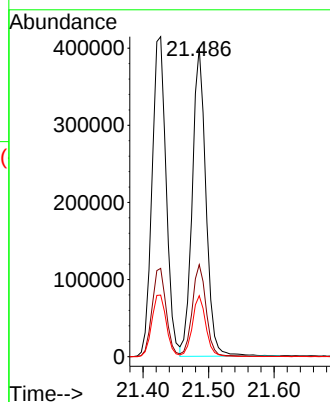
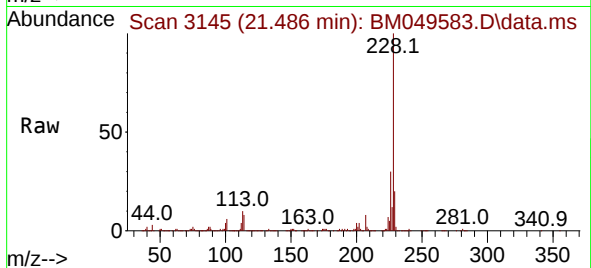
LOQ-SOIL-02-QT1-2025

Tgt Ion:228 Resp: 57945
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.5 36.7
 229 19.7 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: 7.855 ng

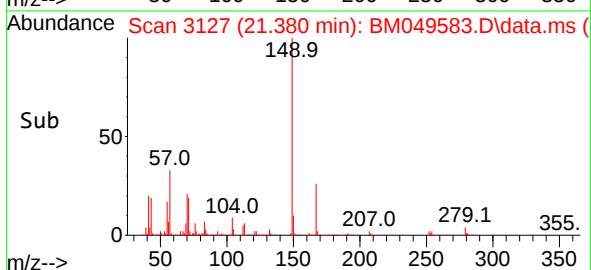
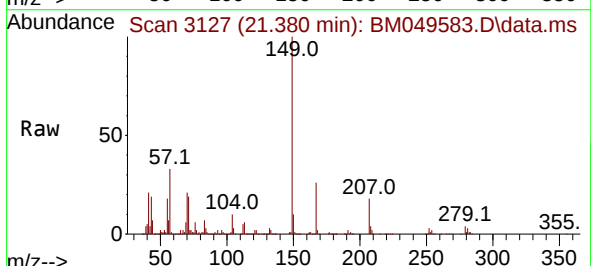
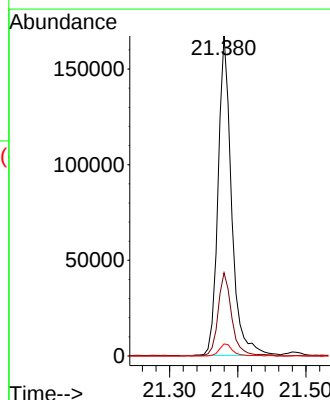
RT: 21.380 min Scan# 3127

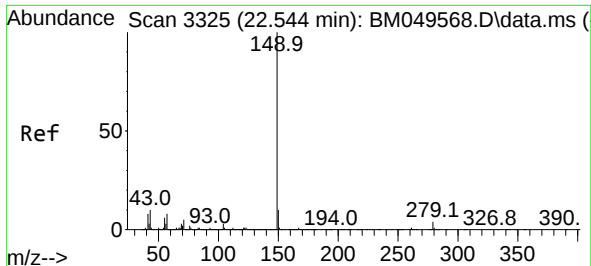
Delta R.T. -0.000 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

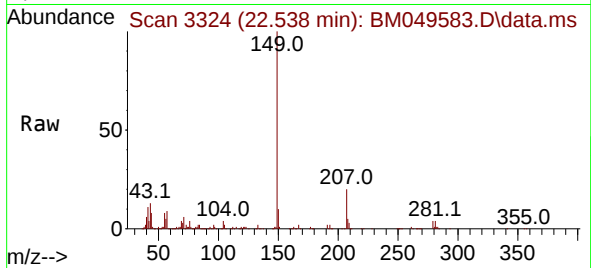
Tgt Ion:149 Resp: 230418
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.1 33.1
 279 3.8 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 6.284 ng
RT: 22.538 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

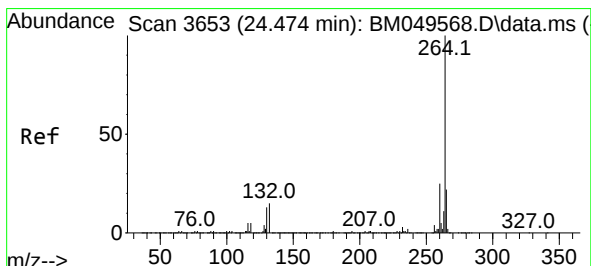
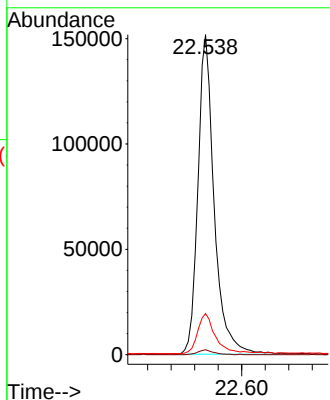
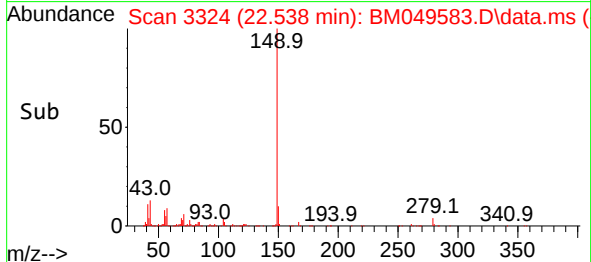
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:149 Resp: 290820
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.7 8.5 12.7

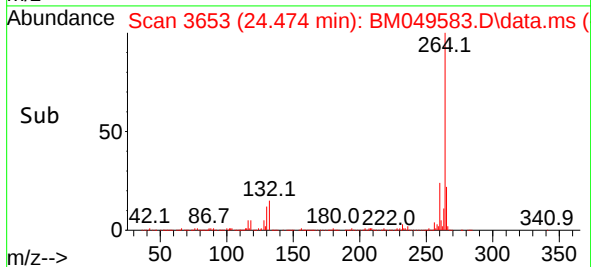
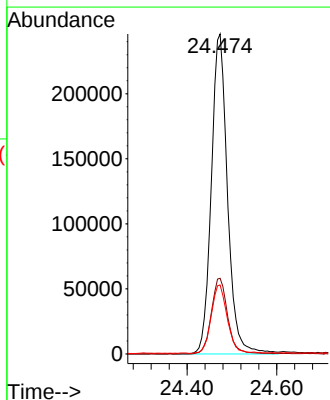
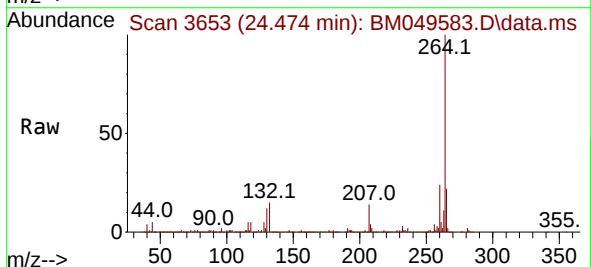
Manual Integrations
APPROVED

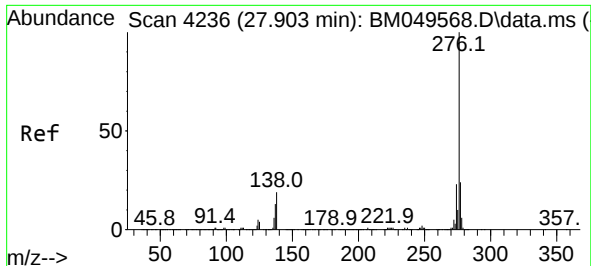
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3653
Delta R.T. 0.000 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

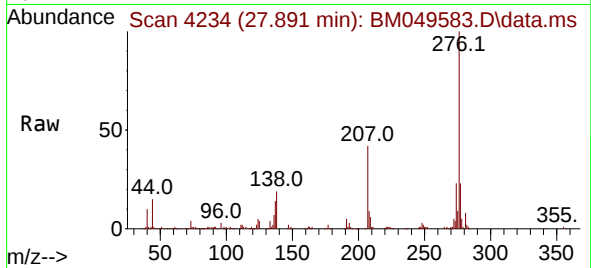
Tgt Ion:264 Resp: 618274
Ion Ratio Lower Upper
264 100
260 23.7 19.8 29.6
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.996 ng
RT: 27.891 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

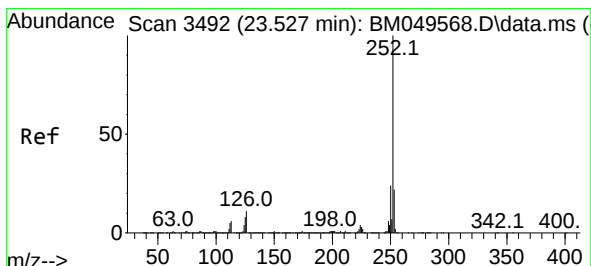
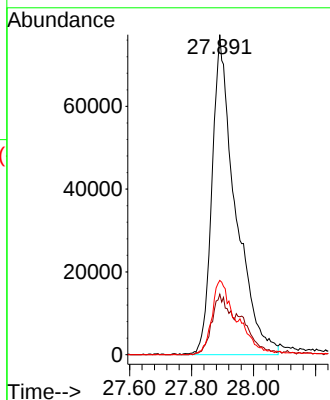
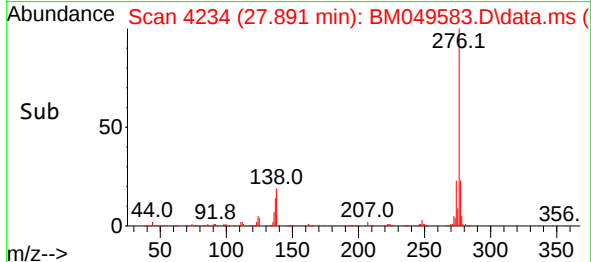
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



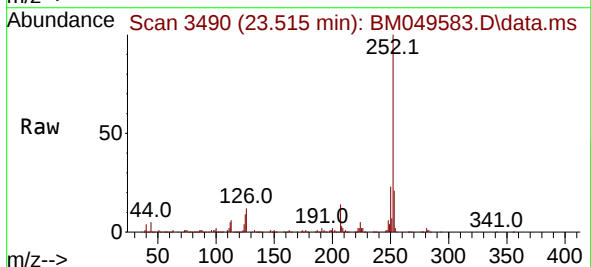
Tgt Ion:276 Resp: 405039
Ion Ratio Lower Upper
276 100
138 14.7 13.1 19.7
277 19.2 19.9 29.9

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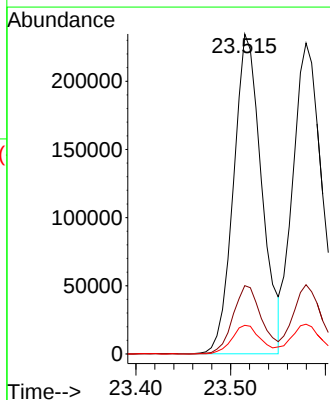
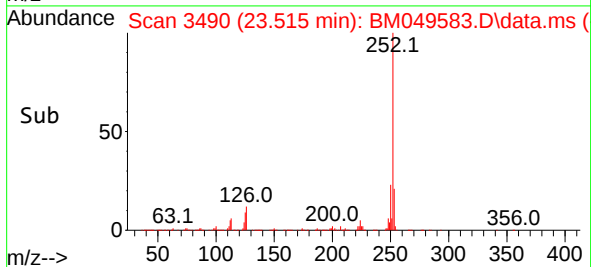
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

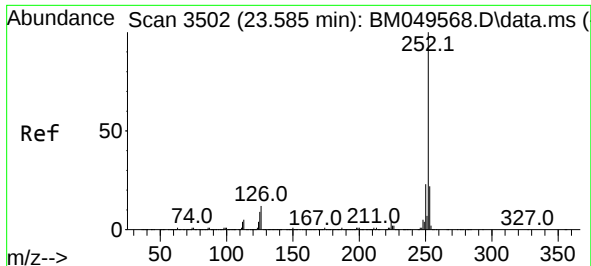


#88
Benzo(b)fluoranthene
Concen: 11.378 ng
RT: 23.515 min Scan# 3490
Delta R.T. -0.012 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03



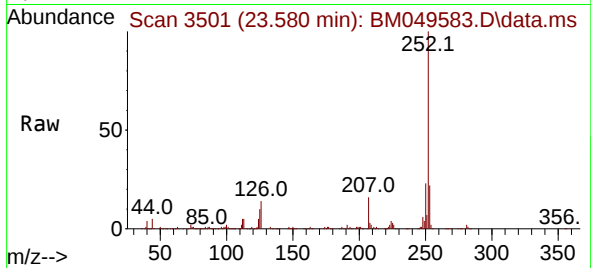
Tgt Ion:252 Resp: 483948
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.2
125 9.0 6.6 10.0





#89
Benzo(k)fluoranthene
Concen: 12.098 ng
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

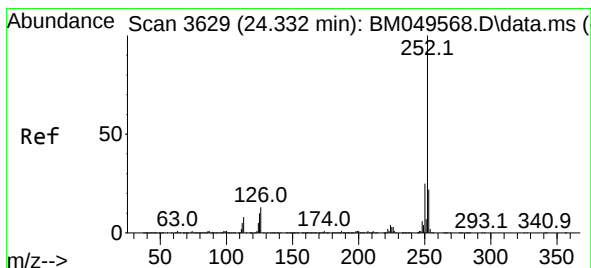
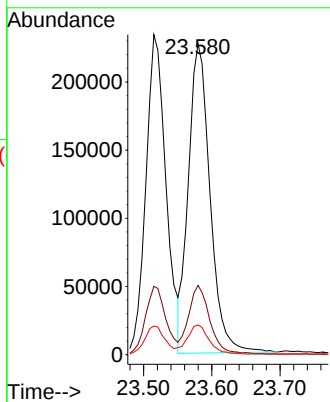
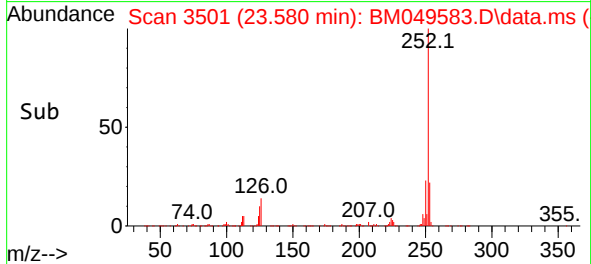
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:252 Resp: 49978
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.6 7.0 10.6

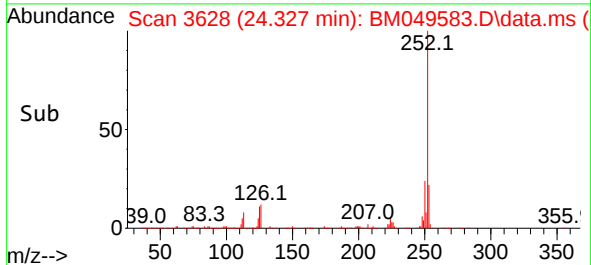
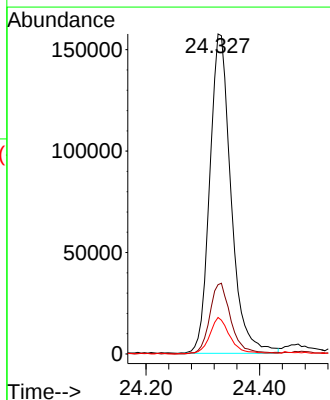
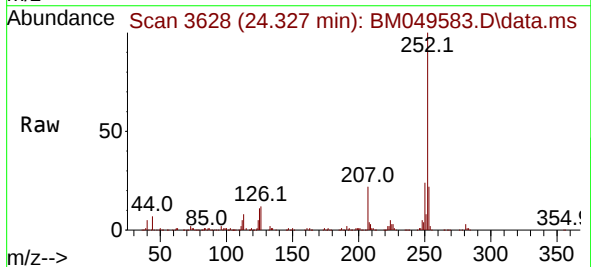
Manual Integrations
APPROVED

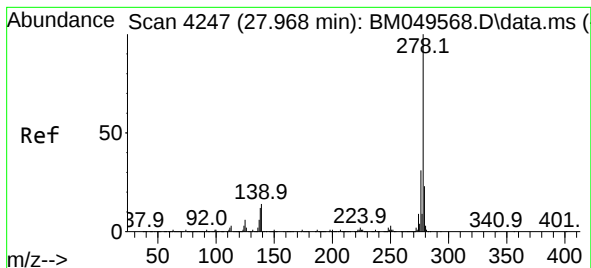
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#90
Benzo(a)pyrene
Concen: 12.151 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049583.D
Acq: 06 Feb 2025 17:03

Tgt Ion:252 Resp: 409555
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 11.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 11.504 ng

RT: 27.962 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:278 Resp: 306992

Ion Ratio Lower Upper

278 100

139 15.8 11.5 17.3

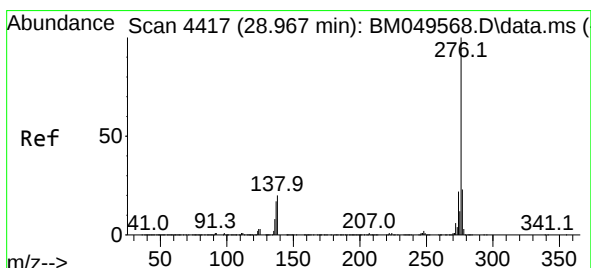
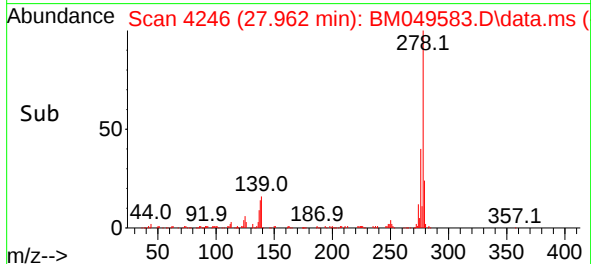
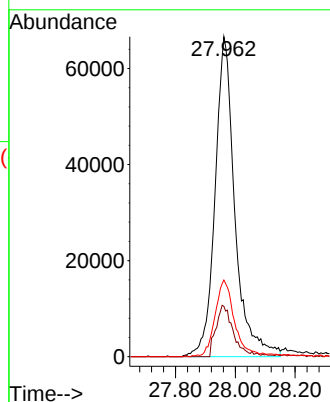
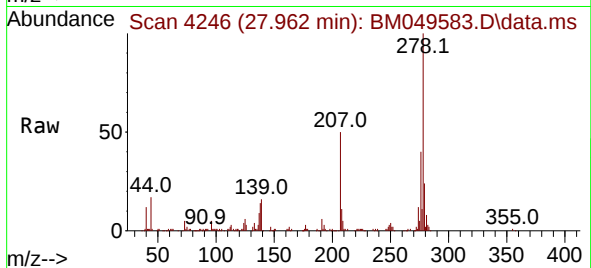
279 24.0 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#92

Benzo(g,h,i)perylene

Concen: 11.250 ng

RT: 28.944 min Scan# 4413

Delta R.T. -0.023 min

Lab File: BM049583.D

Acq: 06 Feb 2025 17:03

Tgt Ion:276 Resp: 335373

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 21.9 16.0 24.0

