

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049591.D
 Acq On : 06 Feb 2025 22:55
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:32:43 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 04:55:28 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	194063	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	718872	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	445524	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	841588	20.000	ng	0.00
76) Chrysene-d12	21.439	240	727729	20.000	ng	0.00
86) Perylene-d12	24.468	264	606657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1673097	138.640	ng	0.00
7) Phenol-d6	6.981	99	2338065	147.881	ng	0.00
23) Nitrobenzene-d5	8.975	82	1555123	111.273	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	844367	159.945	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3917090	113.897	ng	0.00
79) Terphenyl-d14	19.833	244	6940943	145.646	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	48468	9.552	ng	97
3) Pyridine	3.699	79	113888	8.077	ng	94
4) n-Nitrosodimethylamine	3.605	42	61805	9.369	ng	# 93
6) Aniline	7.146	93	149369	9.968	ng	99
8) 2-Chlorophenol	7.387	128	110436	9.165	ng	98
9) Benzaldehyde	6.957	77	116131	13.872	ng	97
10) Phenol	7.004	94	145077	9.316	ng	92
11) bis(2-Chloroethyl)ether	7.245	93	118500	9.406	ng	96
12) 1,3-Dichlorobenzene	7.716	146	128194	9.165	ng	98
13) 1,4-Dichlorobenzene	7.857	146	128478	9.081	ng	98
14) 1,2-Dichlorobenzene	8.175	146	126622	9.269	ng	99
15) Benzyl Alcohol	8.057	79	91344	8.304	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.345	45	179318	10.573	ng	100
17) 2-Methylphenol	8.257	107	82919	8.708	ng	97
18) Hexachloroethane	8.910	117	45194	8.745	ng	95
19) n-Nitroso-di-n-propyla...	8.628	70	96376	9.309	ng	97
20) 3+4-Methylphenols	8.587	107	106702	8.489	ng	95
22) Acetophenone	8.640	105	183915	9.499	ng	97
24) Nitrobenzene	9.016	77	142738	10.512	ng	96
25) Isophorone	9.545	82	242320	9.614	ng	97
26) 2-Nitrophenol	9.734	139	24455	8.083	ng	95
27) 2,4-Dimethylphenol	9.792	122	55025	6.904	ng	93
28) bis(2-Chloroethoxy)met...	10.034	93	150119	9.248	ng	99
29) 2,4-Dichlorophenol	10.263	162	87306	7.955	ng	98
30) 1,2,4-Trichlorobenzene	10.481	180	124284	9.243	ng	98
31) Naphthalene	10.669	128	343582	9.062	ng	98
32) Benzoic acid	9.839	122	17490	9.326	ng	99
33) 4-Chloroaniline	10.769	127	131339	9.255	ng	98
34) Hexachlorobutadiene	10.969	225	72503	9.004	ng	98
35) Caprolactam	11.516	113	23112	6.903	ng	91
36) 4-Chloro-3-methylphenol	11.892	107	80520	7.357	ng	99
37) 2-Methylnaphthalene	12.286	142	231163	8.660	ng	99
38) 1-Methylnaphthalene	12.504	142	216598	8.340	ng	100
40) 1,2,4,5-Tetrachloroben...	12.651	216	133600	9.121	ng	99
41) Hexachlorocyclopentadiene	12.645	237	21818	5.835	ng	97
43) 2,4,6-Trichlorophenol	12.886	196	53693	6.717	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	69455	7.907	ng	97
46) 1,1'-Biphenyl	13.298	154	316910	9.324	ng	98
47) 2-Chloronaphthalene	13.333	162	244191	9.286	ng	99
48) 2-Nitroaniline	13.527	65	47408	10.377	ng	94
49) Acenaphthylene	14.180	152	364682	9.405	ng	99
50) Dimethylphthalate	13.916	163	273155	8.537	ng	99
51) 2,6-Dinitrotoluene	14.022	165	46573	8.412	ng	# 87
52) Acenaphthene	14.527	154	218480	8.489	ng	96
53) 3-Nitroaniline	14.351	138	46955	8.330	ng	96
54) 2,4-Dinitrophenol	14.557	184	6224	9.440	ng	# 84
55) Dibenzofuran	14.857	168	357842	8.732	ng	99
56) 4-Nitrophenol	14.645	139	26836	5.648	ng	95
57) 2,4-Dinitrotoluene	14.810	165	52921	10.230	ng	94
58) Fluorene	15.510	166	287522	8.201	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.080	232	48967	6.598	ng	97
60) Diethylphthalate	15.286	149	260949	8.115	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	149171	7.994	ng	96
62) 4-Nitroaniline	15.510	138	46842	10.069	ng	95
63) Azobenzene	15.798	77	306954	9.146	ng	97
65) 4,6-Dinitro-2-methylph...	15.574	198	9839	9.462	ng	92
66) n-Nitrosodiphenylamine	15.716	169	226706	8.542	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	81954	8.382	ng	96
68) Hexachlorobenzene	16.510	284	95467	8.507	ng	95
69) Atrazine	16.668	200	65818	8.342	ng	97
70) Pentachlorophenol	16.851	266	31916	11.521	ng	98
71) Phenanthrene	17.245	178	418835	8.736	ng	100
72) Anthracene	17.333	178	398742	8.399	ng	99
73) Carbazole	17.598	167	359816	8.636	ng	98
74) Di-n-butylphthalate	18.186	149	378428	7.158	ng	100
75) Fluoranthene	19.256	202	439809	7.835	ng	98
77) Benzidine	19.439	184	43288	6.717	ng	# 93
78) Pyrene	19.615	202	460775	8.456	ng	99
80) Butylbenzylphthalate	20.533	149	77086	4.546	ng	98
81) Benzo(a)anthracene	21.421	228	432465	8.769	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	86811	6.541	ng	97
83) Chrysene	21.486	228	411420	8.904	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	160381	5.518	ng	100
85) Di-n-octyl phthalate	22.533	149	197430	4.305	ng	# 91
87) Indeno(1,2,3-cd)pyrene	27.891	276	293941	8.872	ng	# 86
88) Benzo(b)fluoranthene	23.515	252	340499m	8.159	ng	
89) Benzo(k)fluoranthene	23.580	252	340281	8.395	ng	100
90) Benzo(a)pyrene	24.327	252	284064	8.589	ng	100
91) Dibenzo(a,h)anthracene	27.956	278	223082	8.520	ng	96
92) Benzo(g,h,i)perylene	28.944	276	248224	8.486	ng	98

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

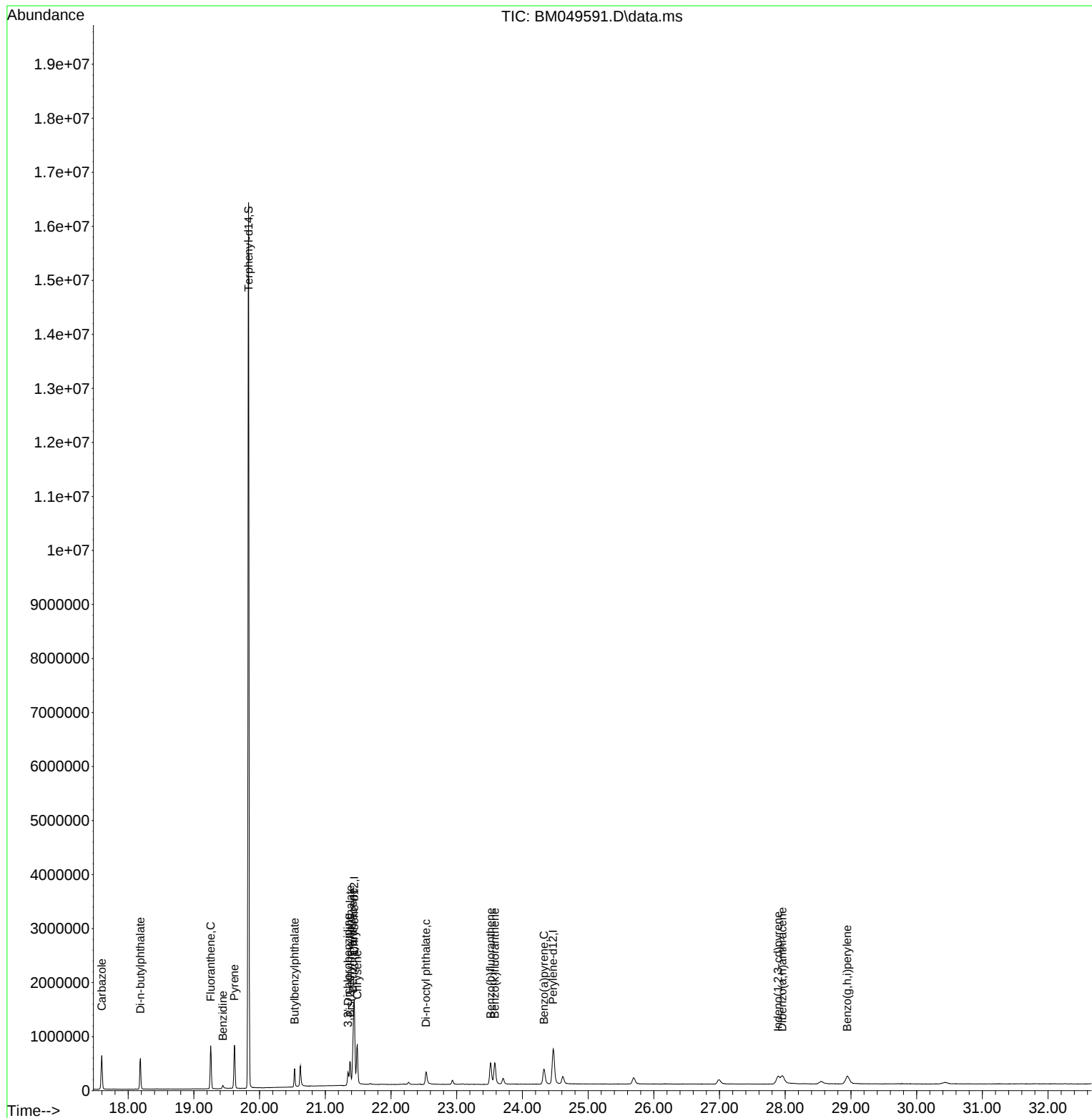
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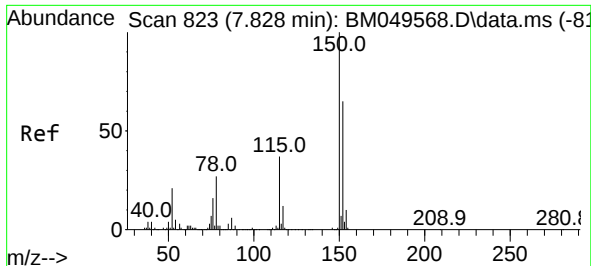
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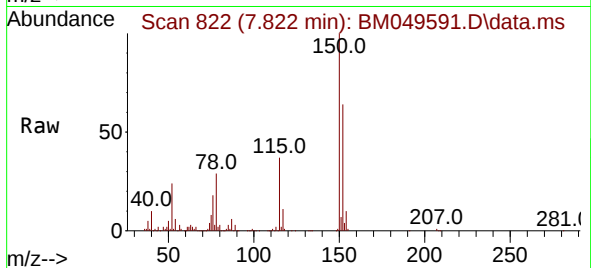
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

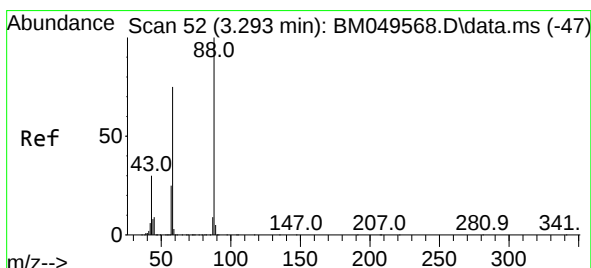
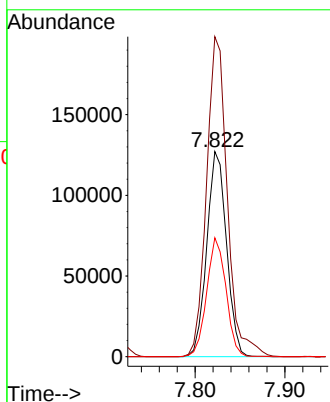
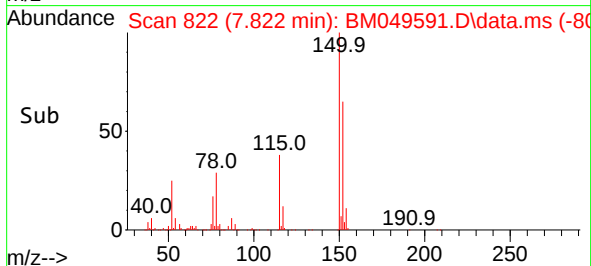
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:152 Resp: 19406
Ion Ratio Lower Upper
152 100
150 156.0 122.6 184.0
115 58.0 45.4 68.0

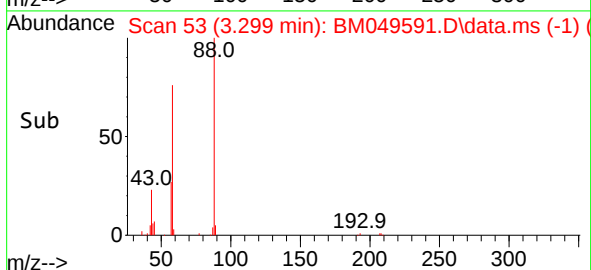
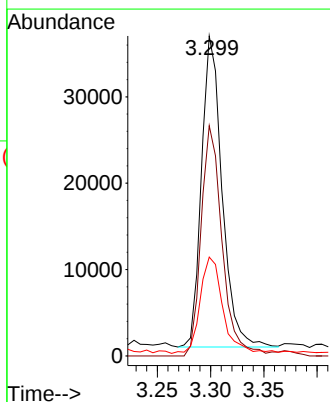
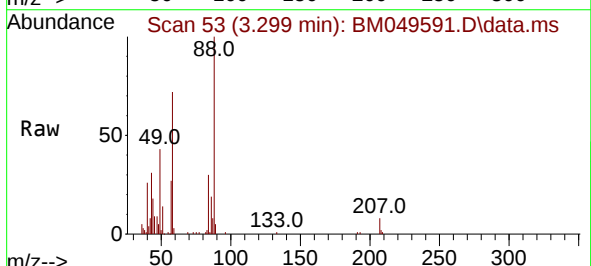
Manual Integrations
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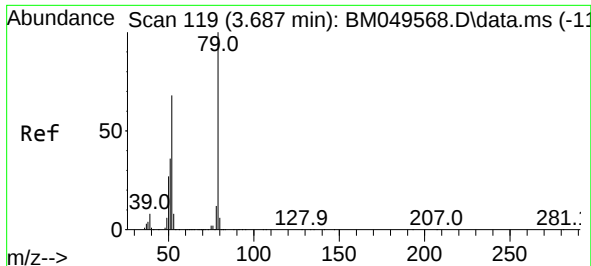
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#2
1,4-Dioxane
Concen: 9.552 ng
RT: 3.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

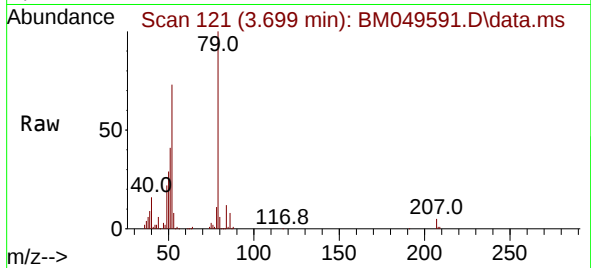
Tgt Ion: 88 Resp: 48468
Ion Ratio Lower Upper
88 100
58 76.0 60.0 90.0
43 35.1 24.4 36.6





#3
Pyridine
Concen: 8.077 ng
RT: 3.699 min Scan# 119
Delta R.T. 0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

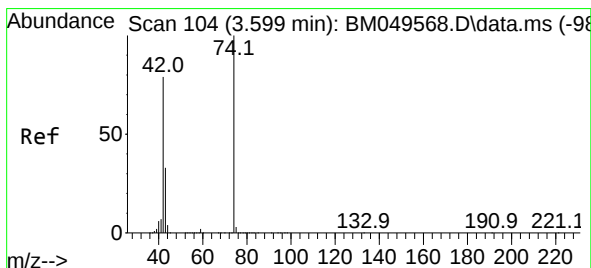
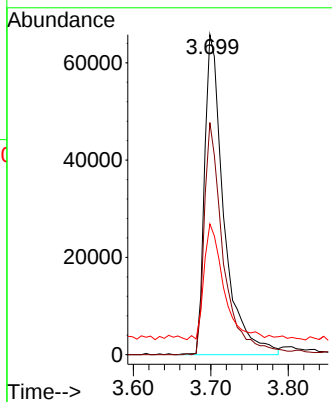
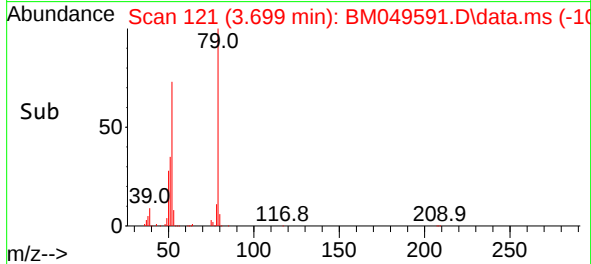
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ClientSampleId :
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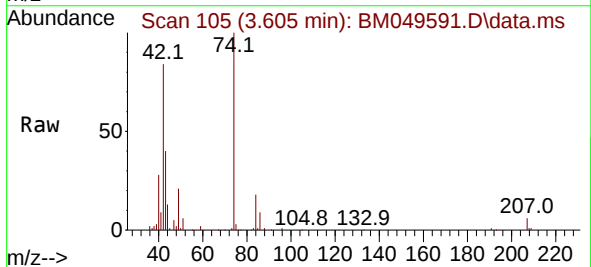
Tgt Ion: 79 Resp: 11388
Ion Ratio Lower Upper
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52 72.5 54.5 81.7
51 40.9 29.0 43.6

Manual Integrations
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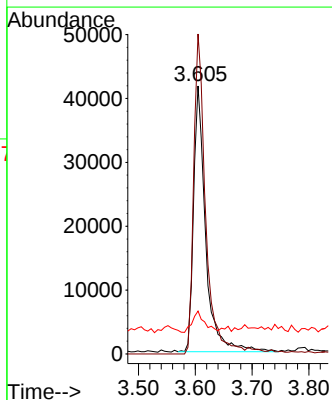
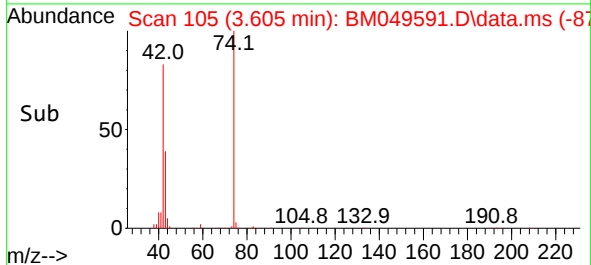
Reviewed By :Jagrut Upadhyay 02/07/2025
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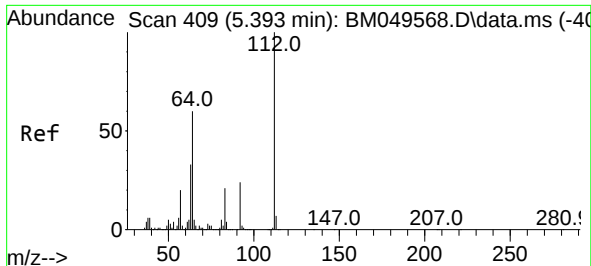


#4
n-Nitrosodimethylamine
Concen: 9.369 ng
RT: 3.605 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



Tgt Ion: 42 Resp: 61805
Ion Ratio Lower Upper
42 100
74 119.4 101.3 151.9
44 16.0 6.5 9.7#





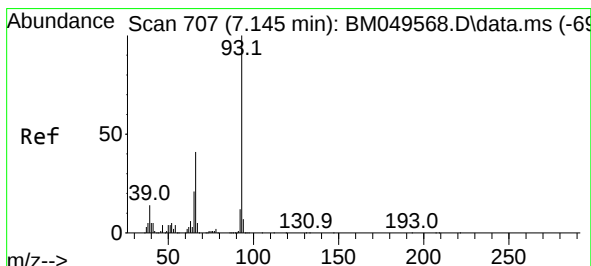
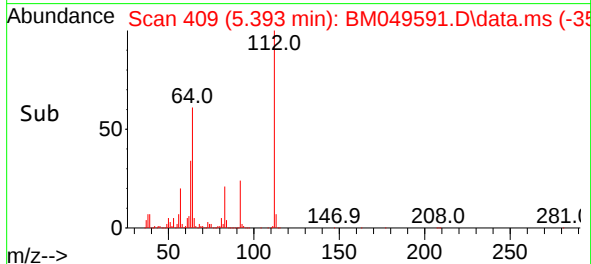
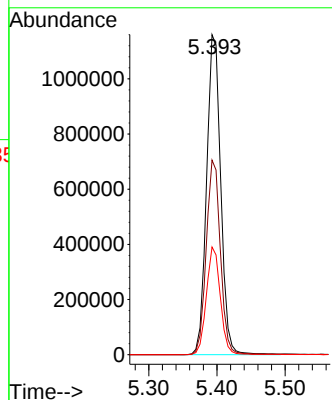
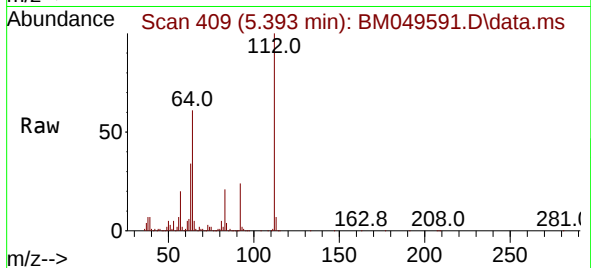
#5
2-Fluorophenol
Concen: 138.640 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 112 Resp: 167309
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 33.6 26.2 39.4

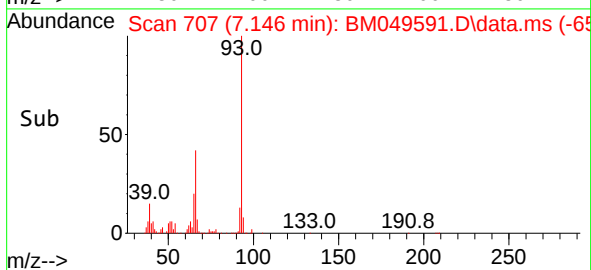
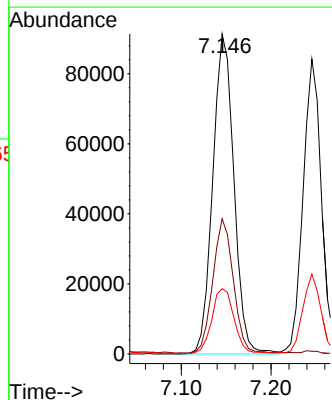
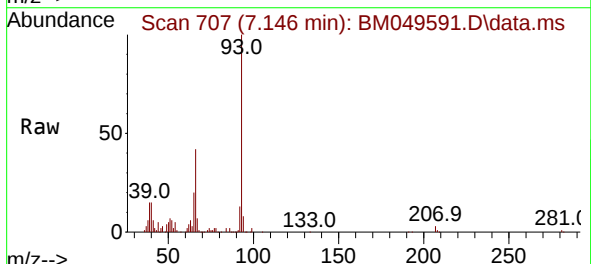
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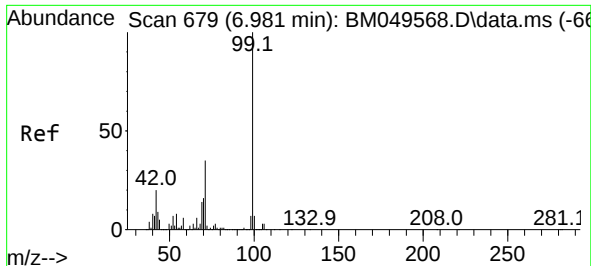
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#6
Aniline
Concen: 9.968 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

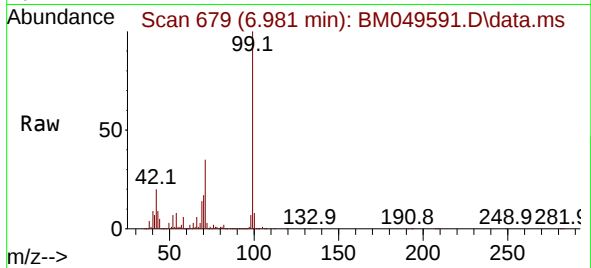
Tgt Ion: 93 Resp: 149369
Ion Ratio Lower Upper
93 100
66 42.2 33.3 49.9
65 20.4 16.8 25.2





#7
Phenol-d6
Concen: 147.881 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049591.D
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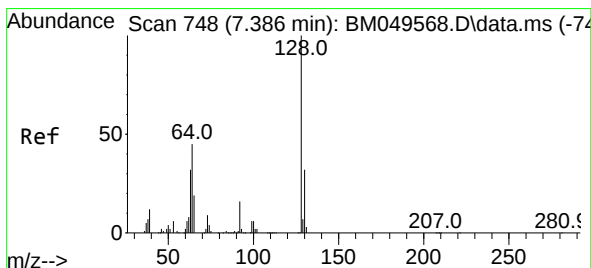
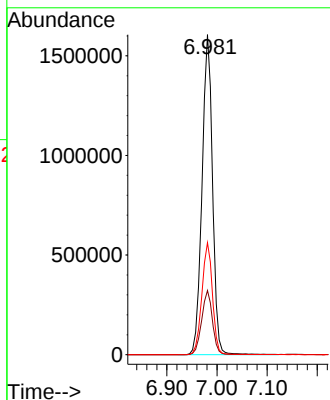
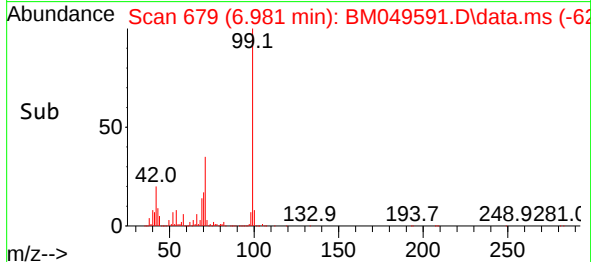
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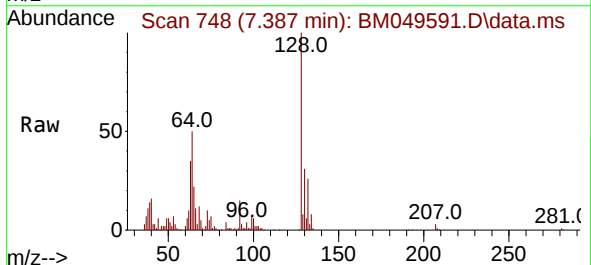
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Ion Ratio Lower Upper
99 100
42 20.1 16.0 24.0
71 35.0 27.8 41.6

Manual Integrations
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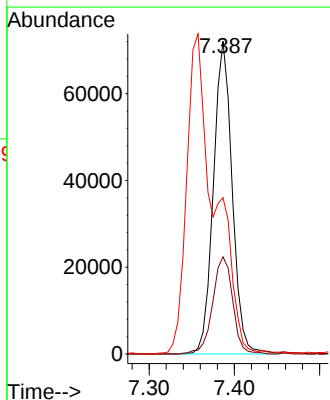
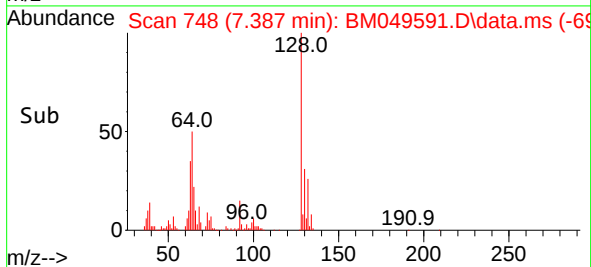
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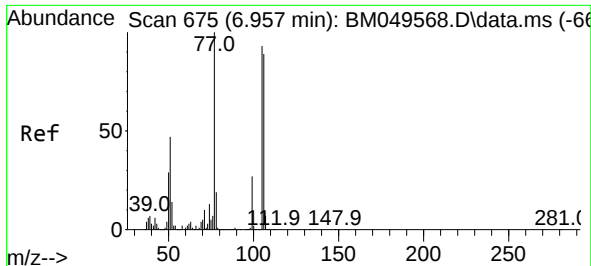


#8
2-Chlorophenol
Concen: 9.165 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049591.D
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Tgt Ion:128 Resp: 110436
Ion Ratio Lower Upper
128 100
130 31.1 12.4 52.4
64 50.0 28.7 68.7





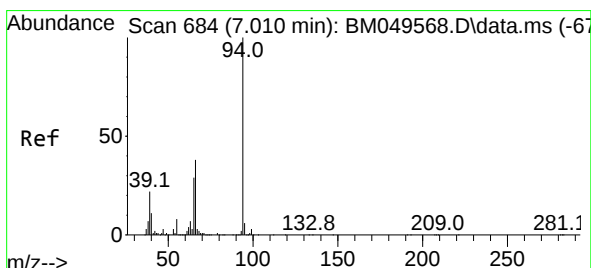
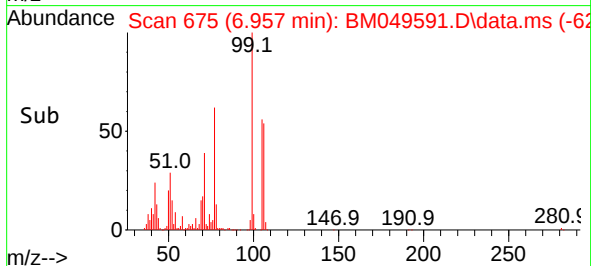
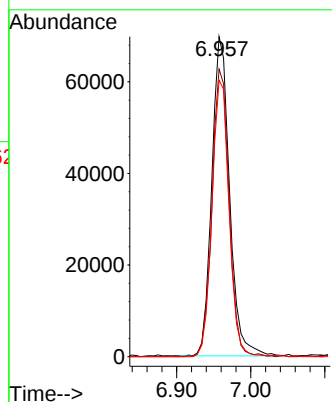
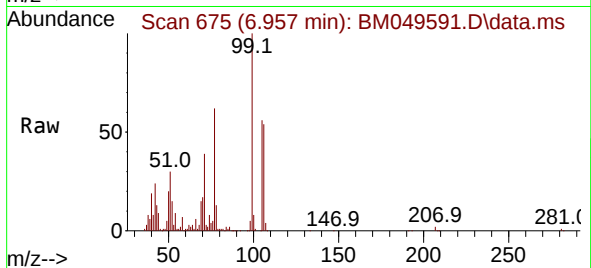
#9
Benzaldehyde
Concen: 13.872 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

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Tgt Ion: 77 Resp: 11613
Ion Ratio Lower Upper
77 100
105 89.8 72.7 112.7
106 86.4 68.9 108.9

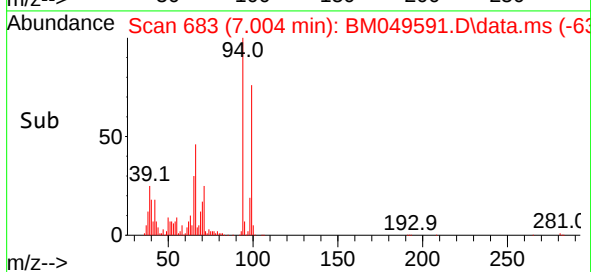
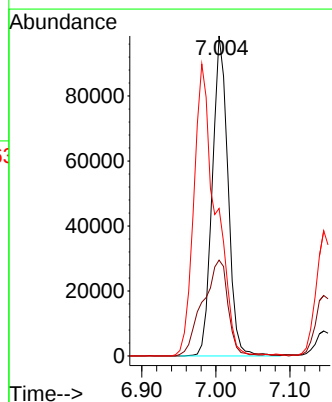
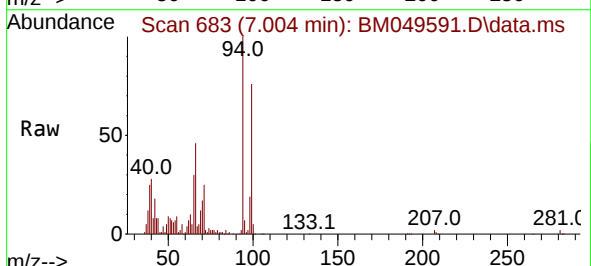
Manual Integrations
APPROVED

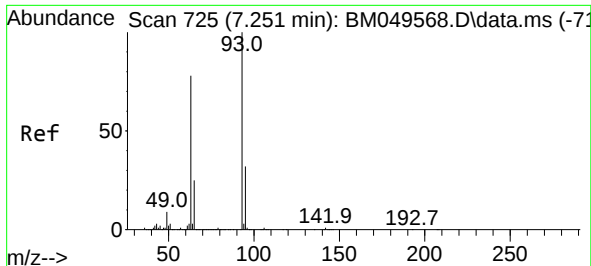
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#10
Phenol
Concen: 9.316 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

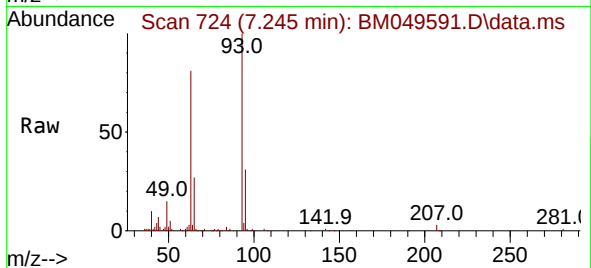
Tgt Ion: 94 Resp: 145077
Ion Ratio Lower Upper
94 100
65 29.9 9.3 49.3
66 46.1 17.7 57.7





#11
bis(2-Chloroethyl)ether
Concen: 9.406 ng
RT: 7.245 min Scan# 725
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

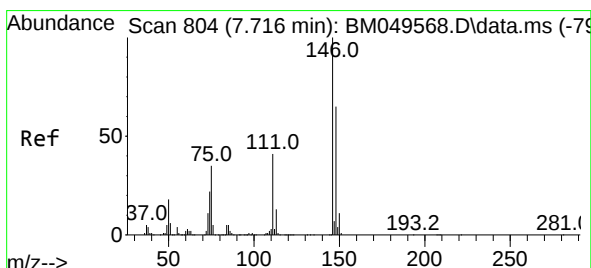
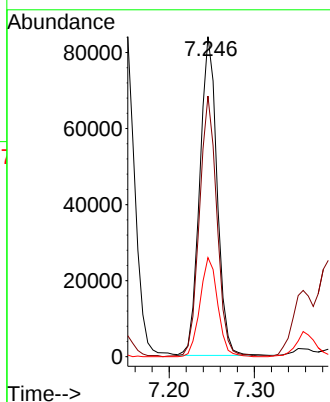
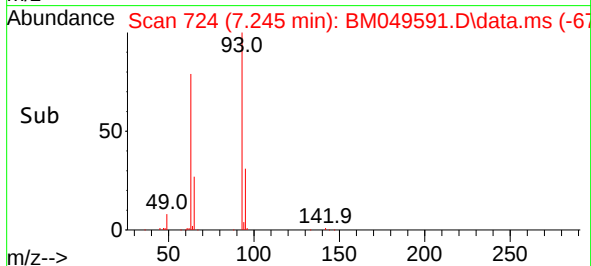
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



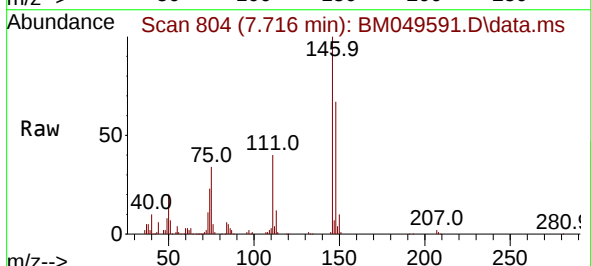
Tgt Ion: 93 Resp: 118500
Ion Ratio Lower Upper
93 100
63 81.5 57.3 97.3
95 30.9 12.1 52.1

Manual Integrations
APPROVED

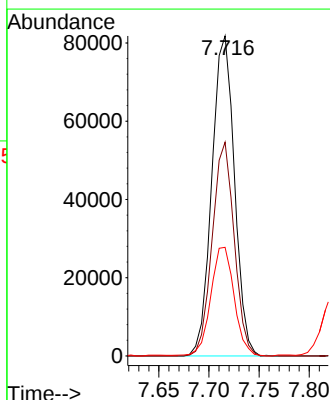
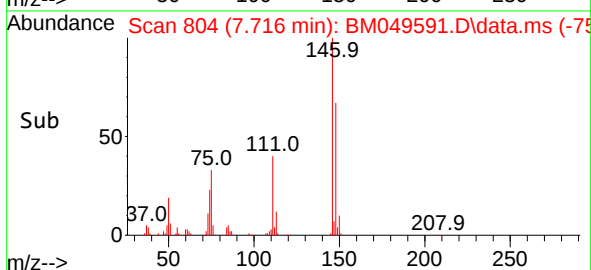
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

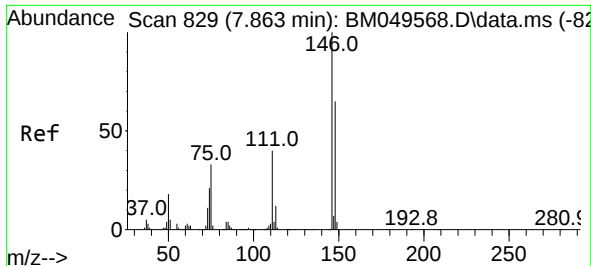


#12
1,3-Dichlorobenzene
Concen: 9.165 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



Tgt Ion:146 Resp: 128194
Ion Ratio Lower Upper
146 100
148 66.8 52.2 78.2
75 34.0 28.3 42.5





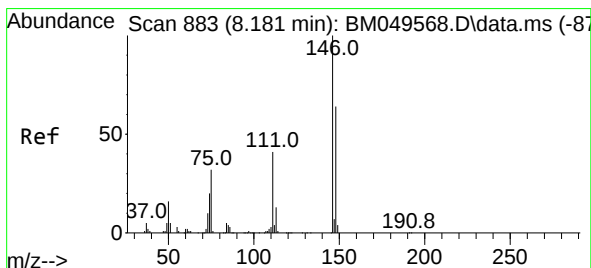
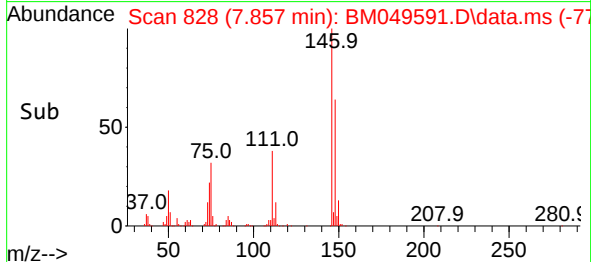
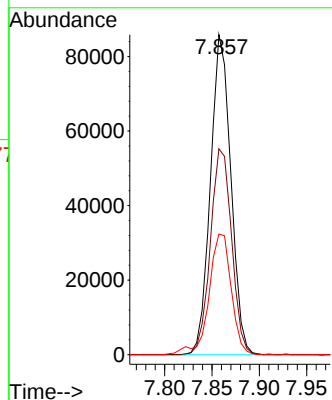
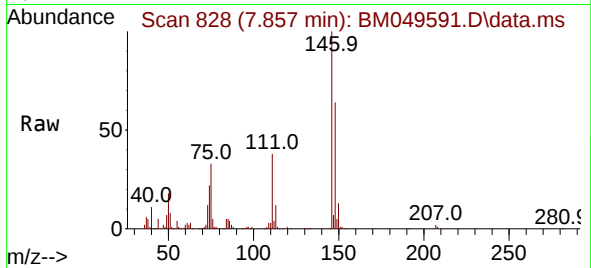
#13
1,4-Dichlorobenzene
Concen: 9.081 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:146 Resp: 128478
Ion Ratio Lower Upper
146 100
148 64.4 52.1 78.1
111 37.7 31.7 47.5

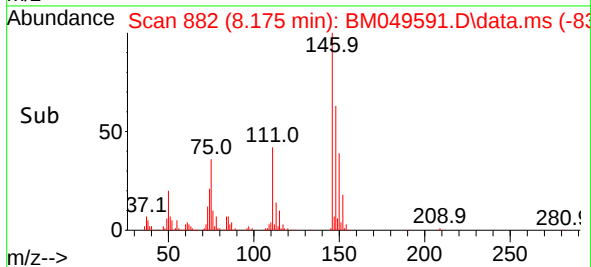
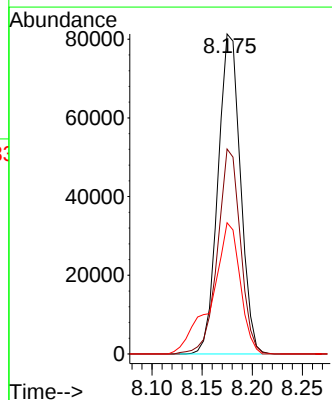
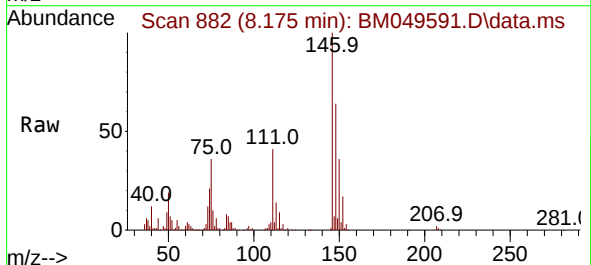
Manual Integrations
APPROVED

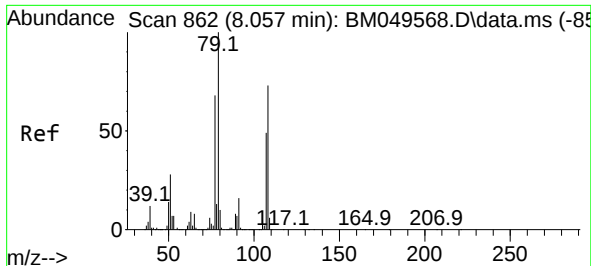
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#14
1,2-Dichlorobenzene
Concen: 9.269 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

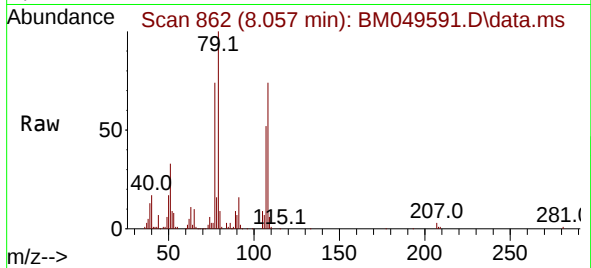
Tgt Ion:146 Resp: 126622
Ion Ratio Lower Upper
146 100
148 64.0 51.5 77.3
111 41.0 33.4 50.0





#15
Benzyl Alcohol
Concen: 8.304 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

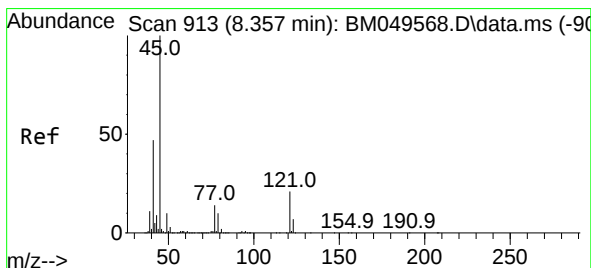
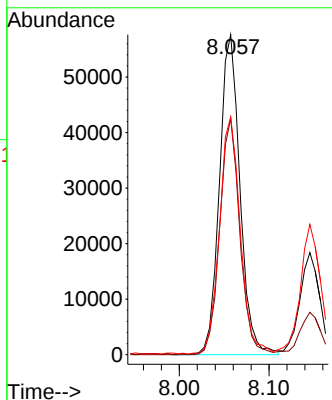
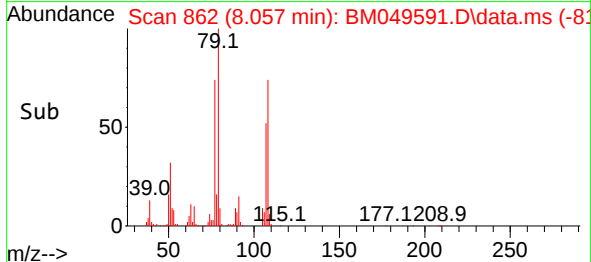
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 79 Resp: 91344
Ion Ratio Lower Upper
79 100
108 73.8 58.6 88.0
77 74.3 54.0 81.0

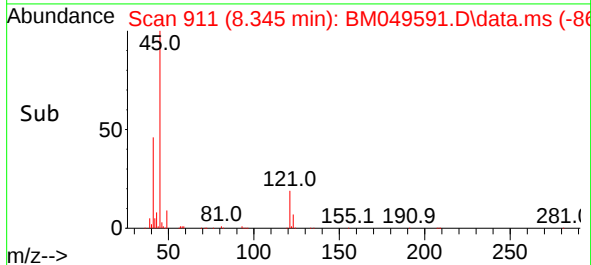
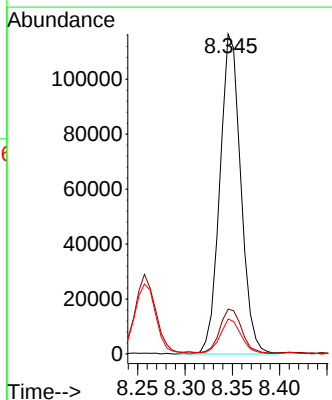
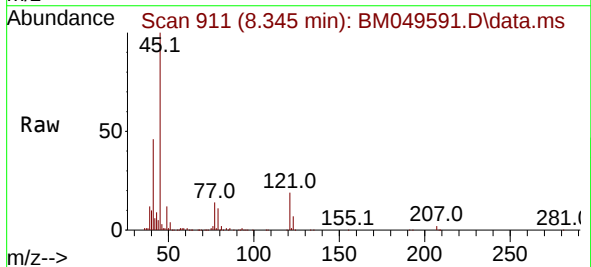
Manual Integrations
APPROVED

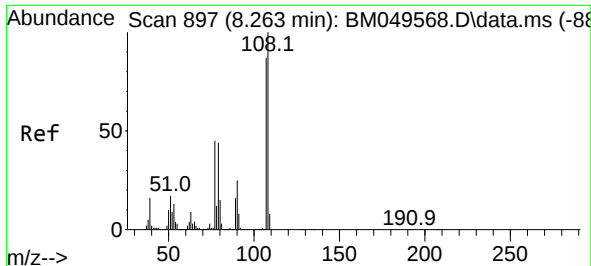
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.573 ng
RT: 8.345 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

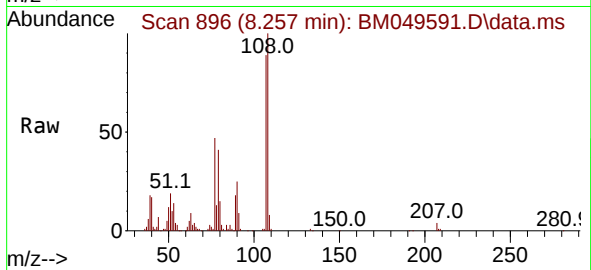
Tgt Ion: 45 Resp: 179318
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.0
79 10.9 0.0 30.8





#17
2-Methylphenol
Concen: 8.708 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

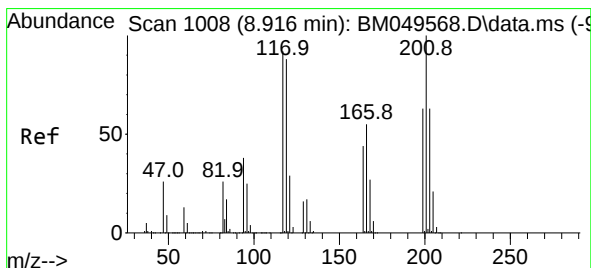
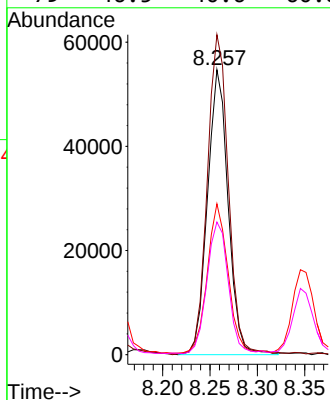
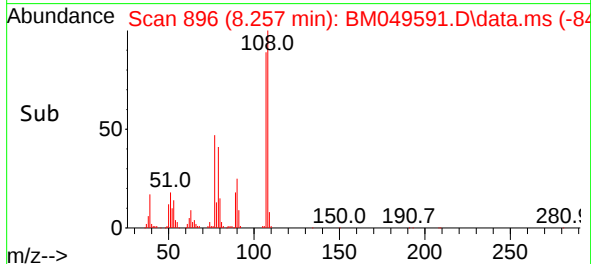
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:107 Resp: 82919
Ion Ratio Lower Upper
107 100
108 112.3 92.2 138.4
77 53.0 41.3 61.9
79 46.5 40.6 60.8

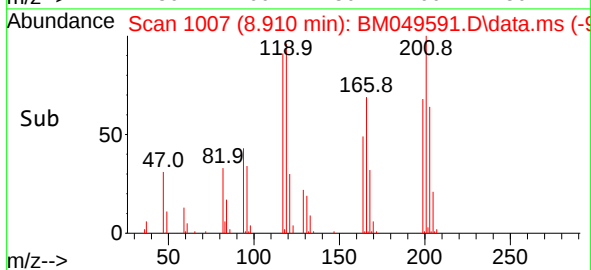
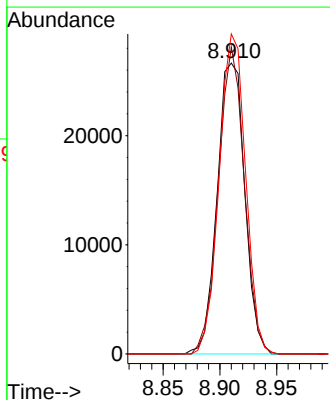
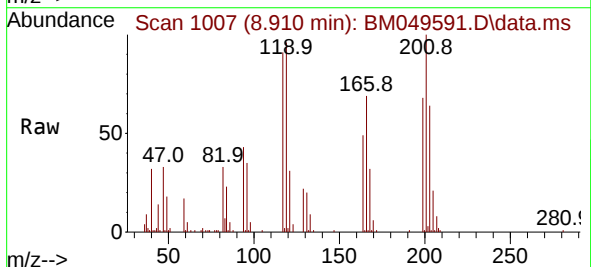
Manual Integrations
APPROVED

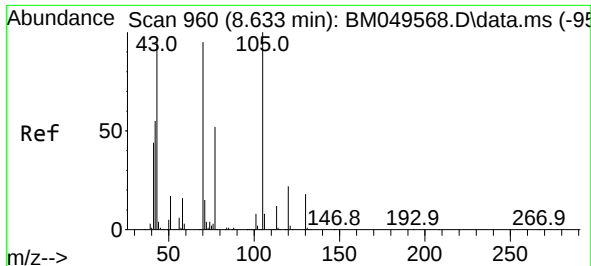
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#18
Hexachloroethane
Concen: 8.745 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

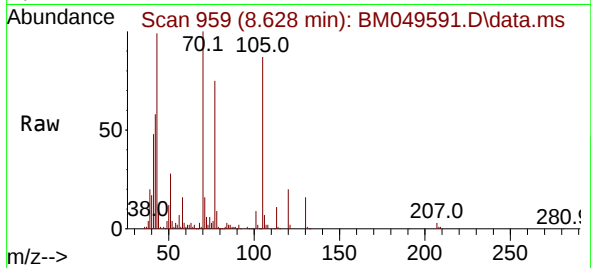
Tgt Ion:117 Resp: 45194
Ion Ratio Lower Upper
117 100
119 105.5 76.8 115.2
201 110.0 87.0 130.6





#19
n-Nitroso-di-n-propylamine
Concen: 9.309 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

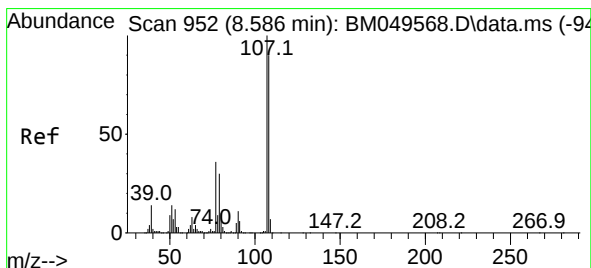
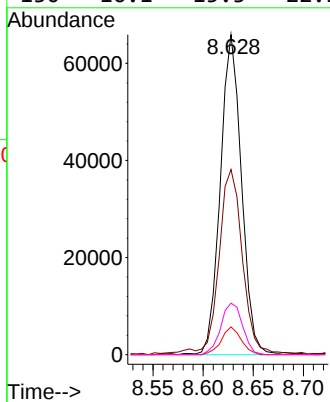
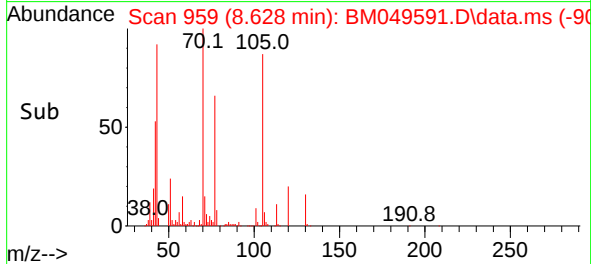
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 70 Resp: 96370
Ion Ratio Lower Upper
70 100
42 57.9 47.4 71.2
101 8.7 7.1 10.7
130 16.1 15.3 22.9

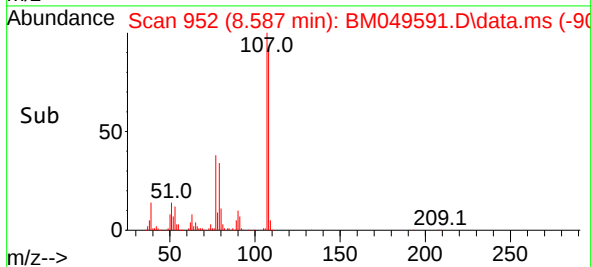
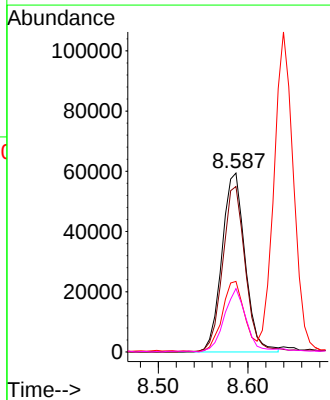
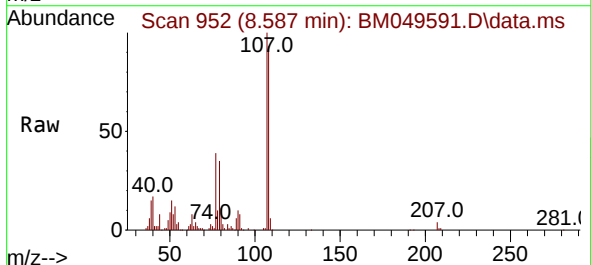
Manual Integrations
APPROVED

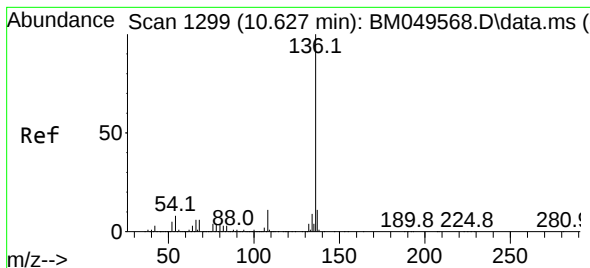
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#20
3+4-Methylphenols
Concen: 8.489 ng
RT: 8.587 min Scan# 952
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

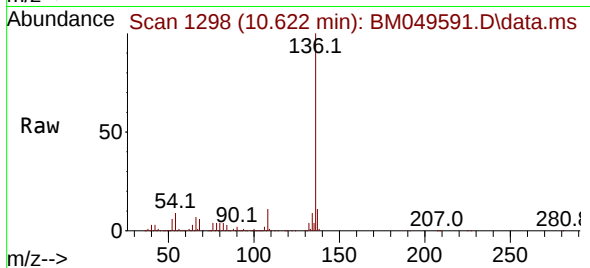
Tgt Ion:107 Resp: 106702
Ion Ratio Lower Upper
107 100
108 92.5 69.6 109.6
77 39.4 16.0 56.0
79 35.4 10.5 50.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

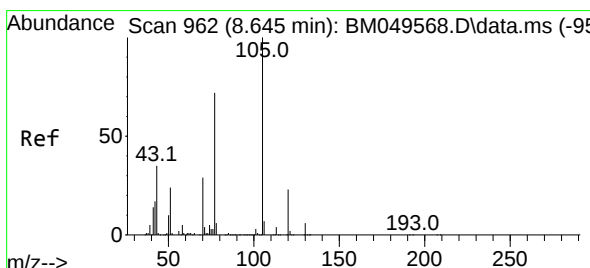
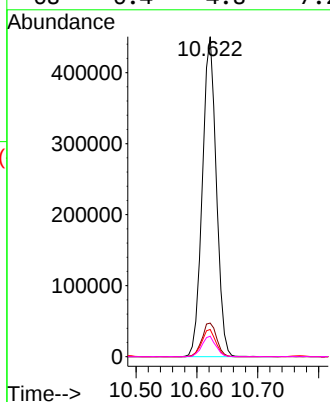
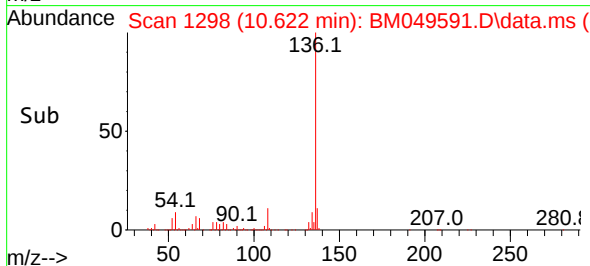
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:136 Resp: 718872
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.5 6.6 10.0
68 6.4 4.8 7.2

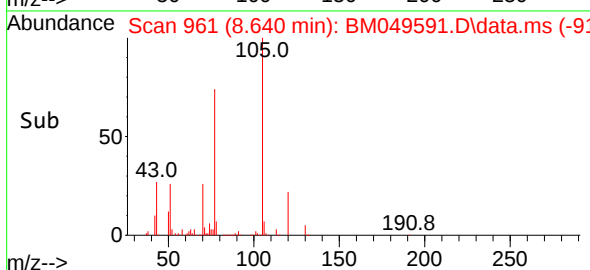
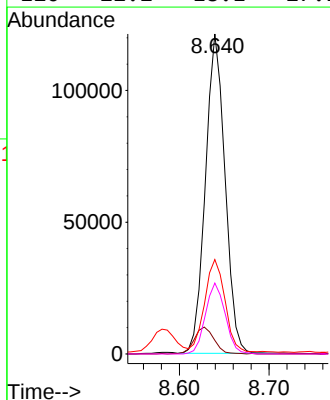
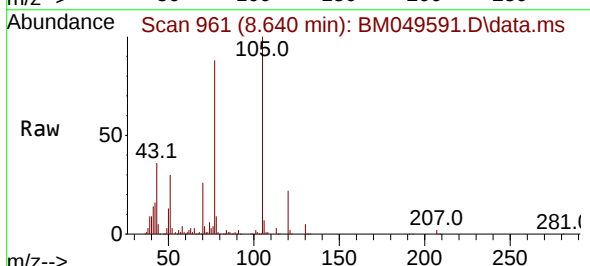
Manual Integrations
APPROVED

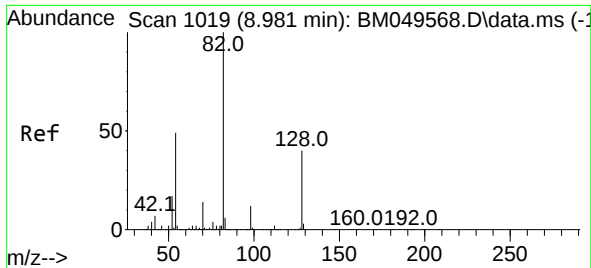
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#22
Acetophenone
Concen: 9.499 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

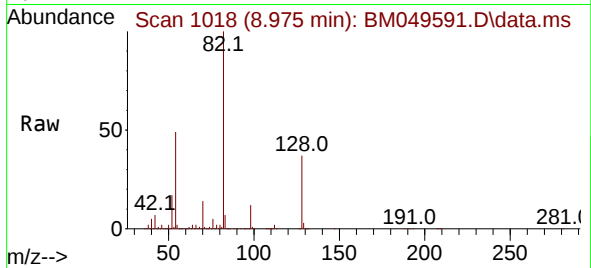
Tgt Ion:105 Resp: 183915
Ion Ratio Lower Upper
105 100
71 4.3 3.5 5.3
51 29.5 21.7 32.5
120 22.2 18.1 27.1





#23
Nitrobenzene-d5
Concen: 111.273 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

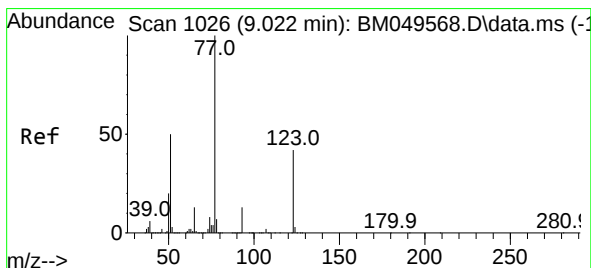
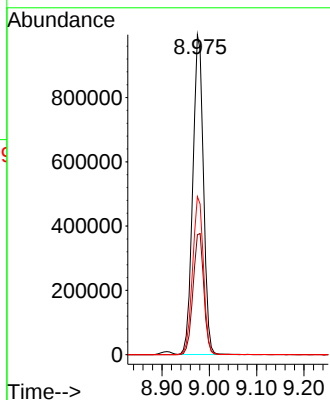
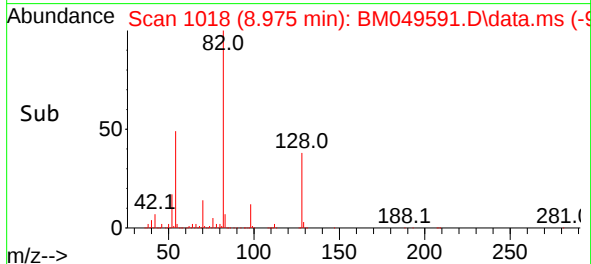
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



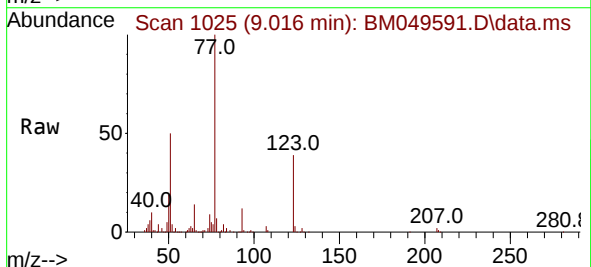
Tgt Ion: 82 Resp: 155512
Ion Ratio Lower Upper
82 100
128 37.5 31.6 47.4
54 49.4 39.4 59.0

Manual Integrations
APPROVED

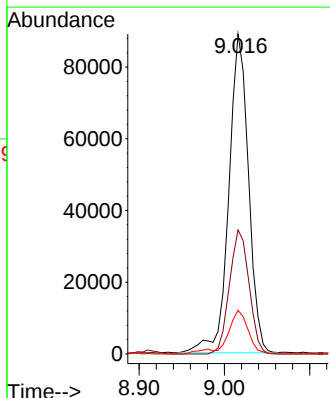
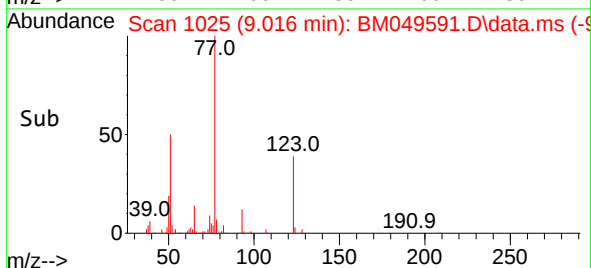
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

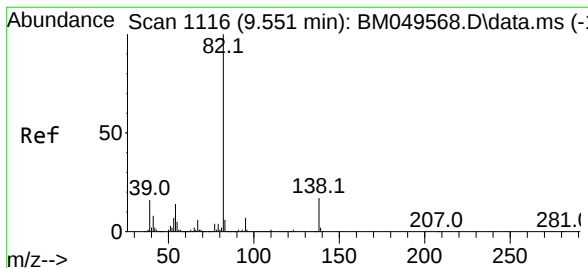


#24
Nitrobenzene
Concen: 10.512 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



Tgt Ion: 77 Resp: 142738
Ion Ratio Lower Upper
77 100
123 38.8 33.4 50.2
65 13.7 10.5 15.7





#25

Isophorone

Concen: 9.614 ng

RT: 9.545 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BM049591.D

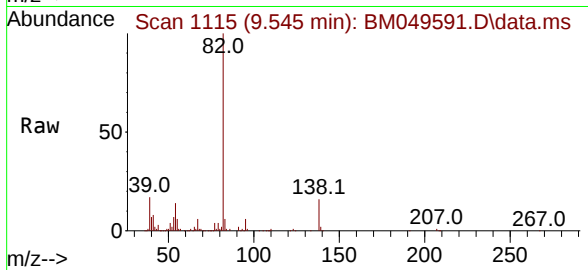
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



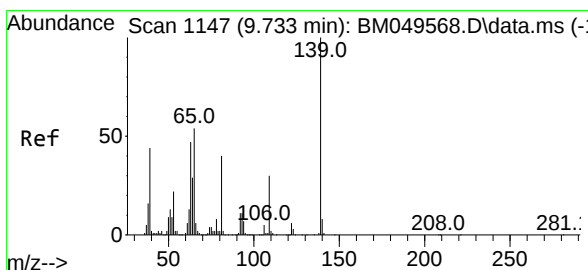
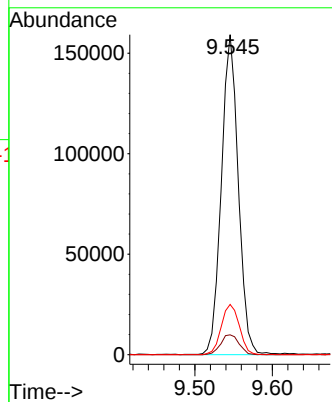
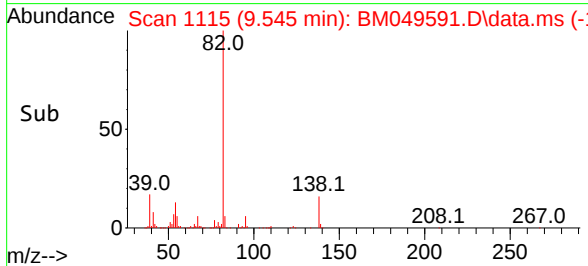
Tgt Ion: 82 Resp: 242320

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.5	8.3
138	15.7	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: 8.083 ng

RT: 9.734 min Scan# 1147

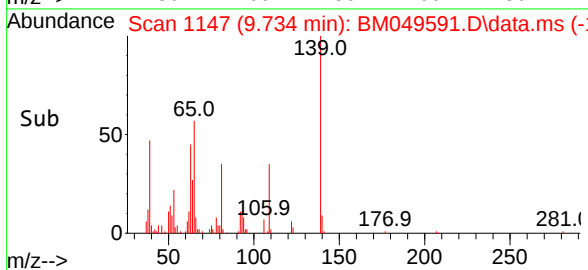
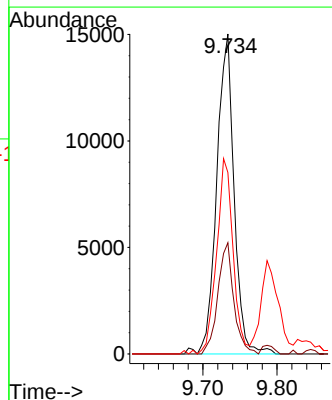
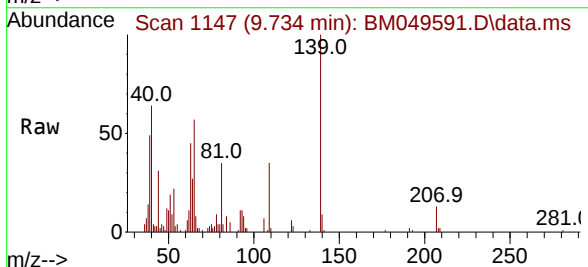
Delta R.T. 0.000 min

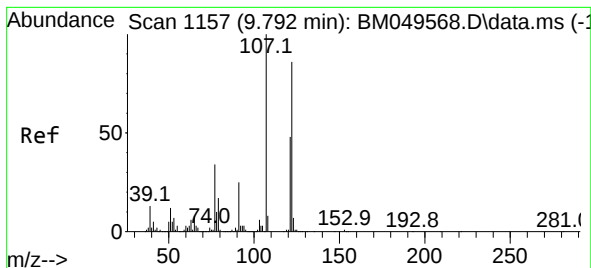
Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:139 Resp: 24455

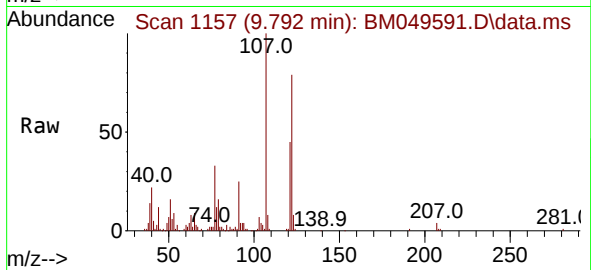
Ion	Ratio	Lower	Upper
139	100		
109	34.7	24.2	36.2
65	56.7	43.4	65.2





#27
2,4-Dimethylphenol
Concen: 6.904 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

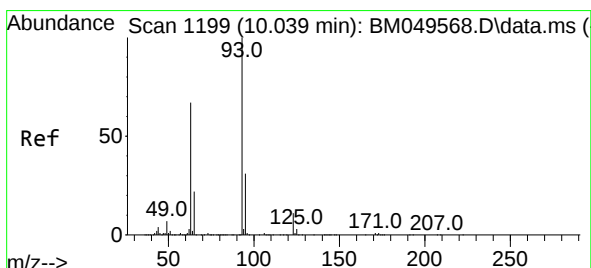
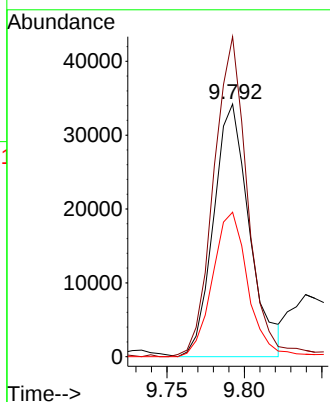
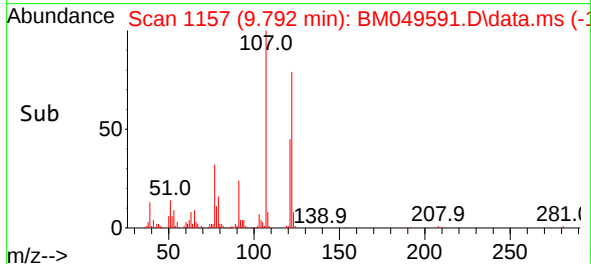
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:122 Resp: 5502
Ion Ratio Lower Upper
122 100
107 126.7 93.2 139.8
121 57.2 44.4 66.6

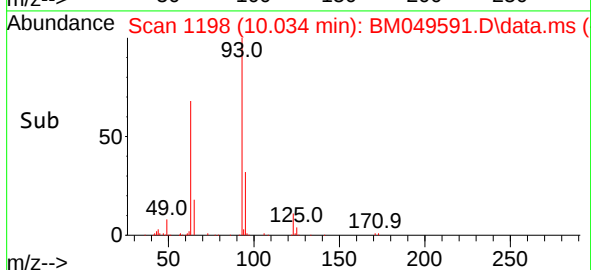
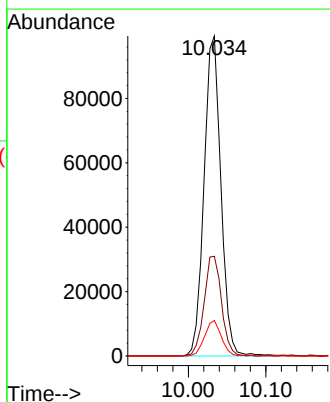
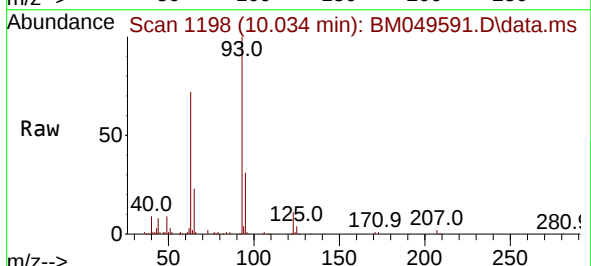
Manual Integrations
APPROVED

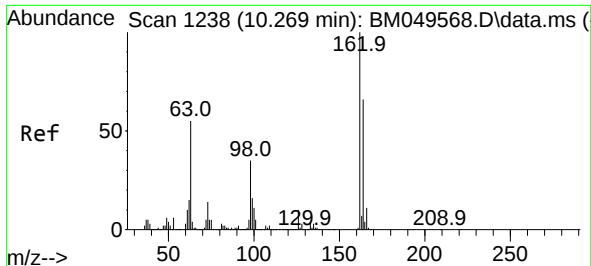
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 9.248 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion: 93 Resp: 150119
Ion Ratio Lower Upper
93 100
95 31.1 25.2 37.8
123 11.1 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 7.955 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049591.D

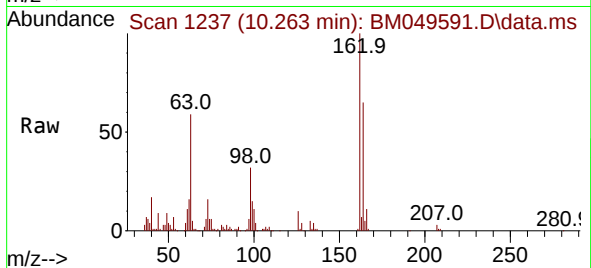
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

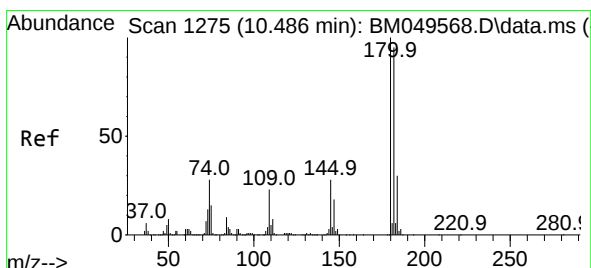
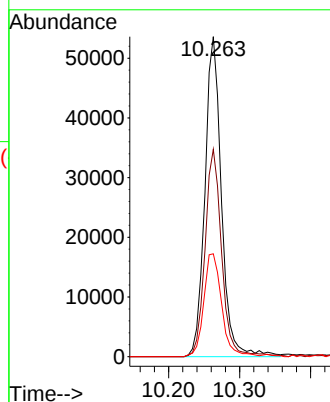
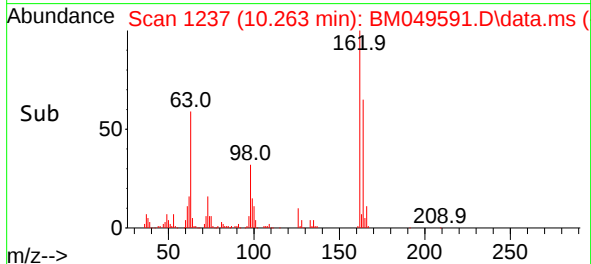


Tgt Ion:	162	Resp:	87300
Ion Ratio	Lower	Upper	
162	100		
164	64.8	46.0	86.0
98	32.2	14.7	54.7

Manual Integrations

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



#30

1,2,4-Trichlorobenzene

Concen: 9.243 ng

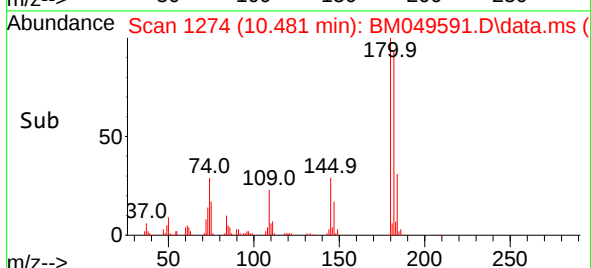
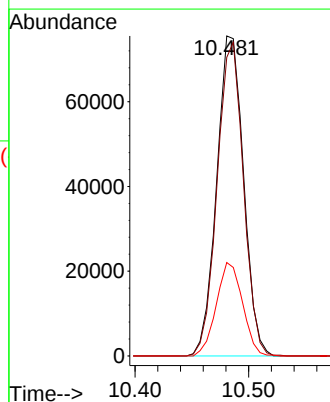
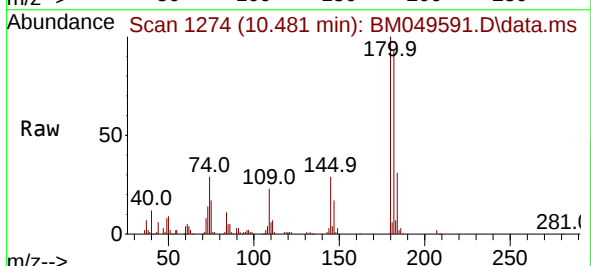
RT: 10.481 min Scan# 1274

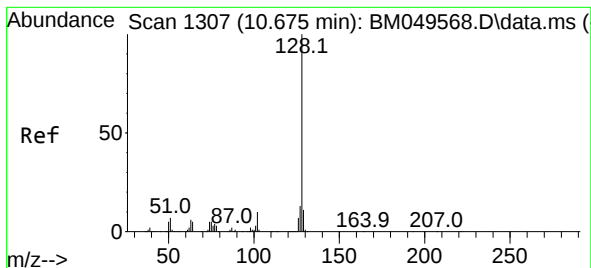
Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

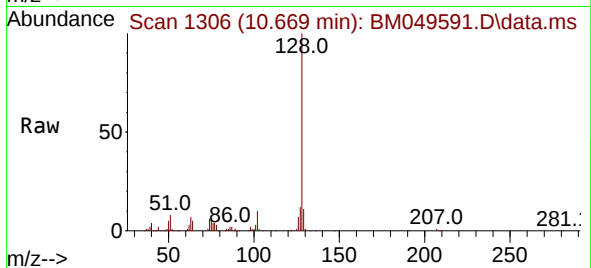
Tgt Ion:	180	Resp:	124284
Ion Ratio	Lower	Upper	
180	100		
182	93.3	76.4	114.6
145	29.2	22.5	33.7





#31
Naphthalene
Concen: 9.062 ng
RT: 10.669 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

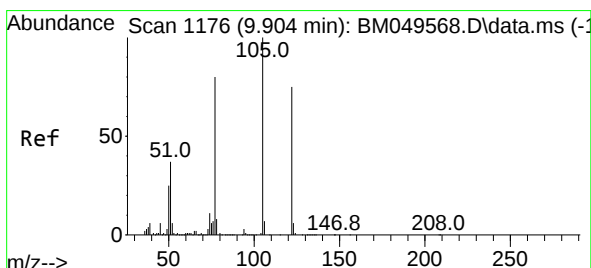
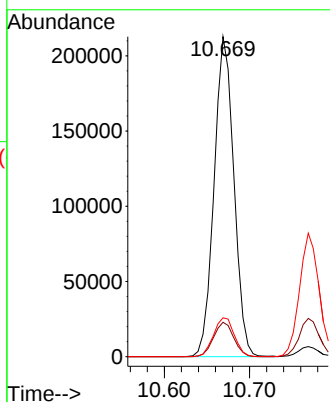
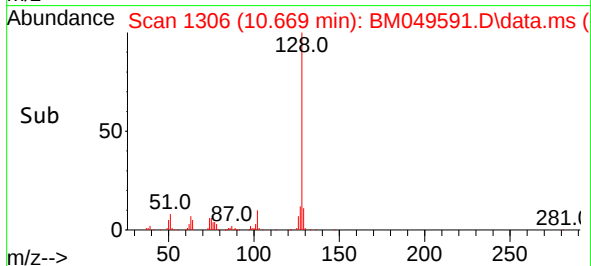
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:128 Resp: 34358
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.2 10.6 15.8

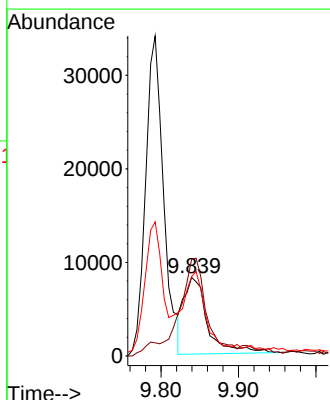
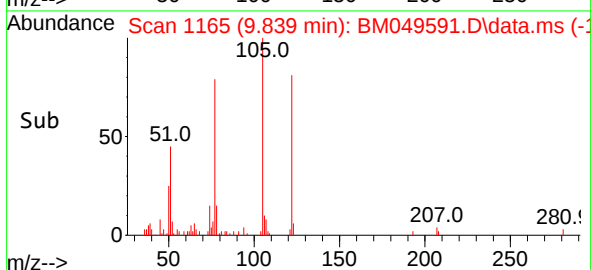
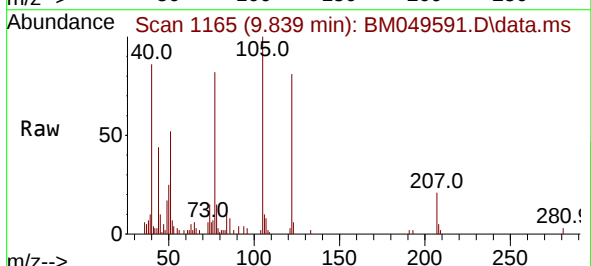
Manual Integrations
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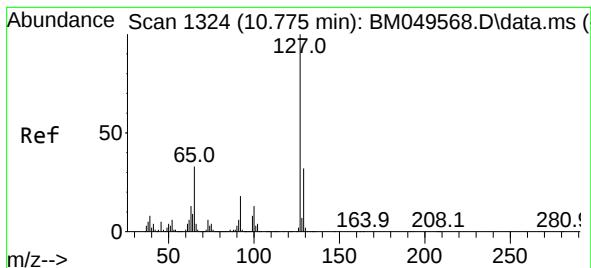
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 9.326 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.065 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

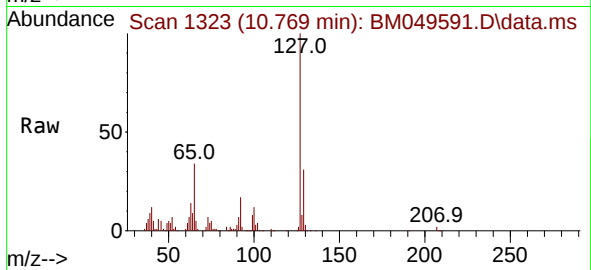
Tgt Ion:122 Resp: 17490
Ion Ratio Lower Upper
122 100
105 123.1 103.6 143.6
77 101.0 82.4 122.4





#33
4-Chloroaniline
Concen: 9.255 ng
RT: 10.769 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

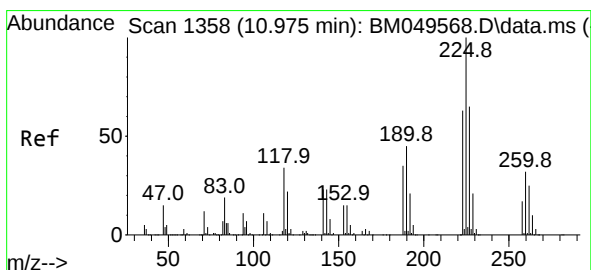
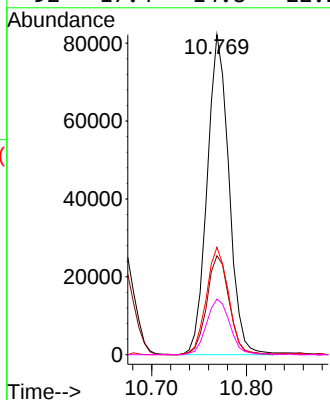
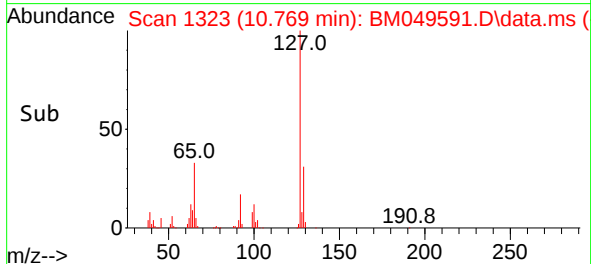
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.8	38.8
65	33.5	26.4	39.6
92	17.4	14.8	22.2

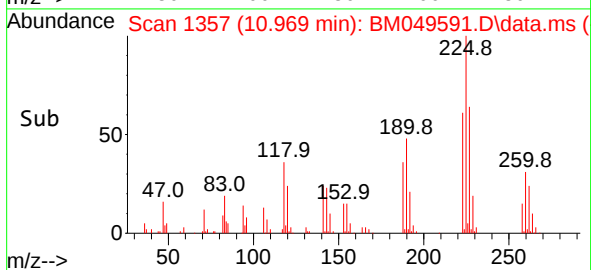
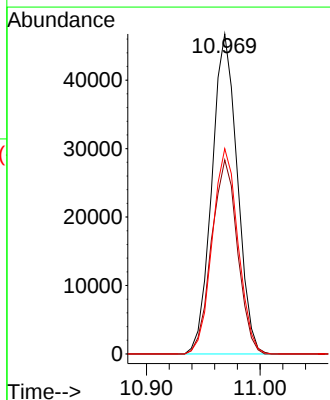
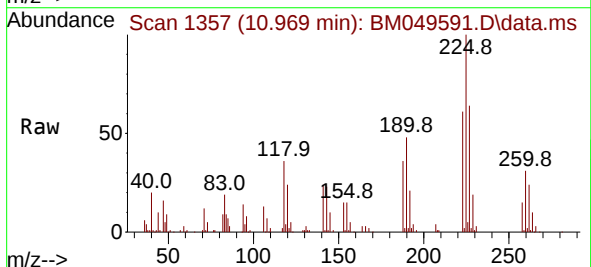
Manual Integrations
APPROVED

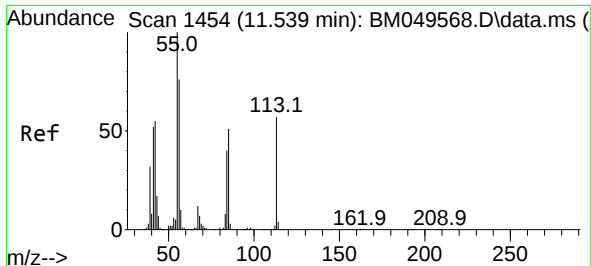
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#34
Hexachlorobutadiene
Concen: 9.004 ng
RT: 10.969 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

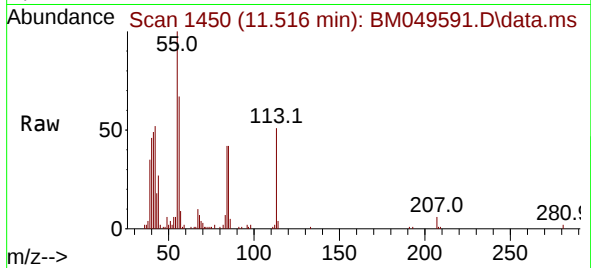
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.6	75.8
227	64.2	51.8	77.6





#35
Caprolactam
Concen: 6.903 ng
RT: 11.516 min Scan# 1454
Delta R.T. -0.023 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

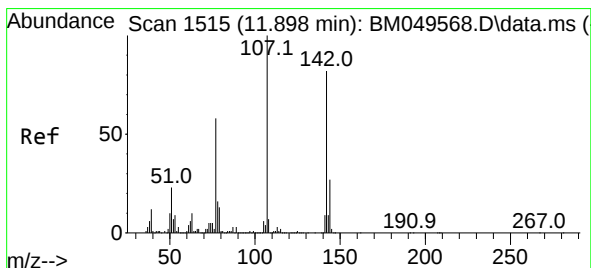
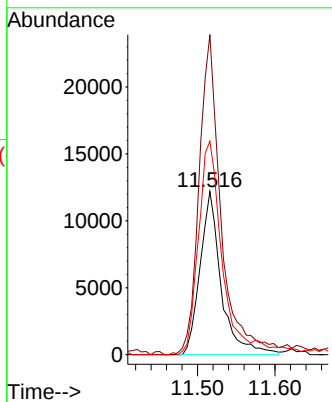
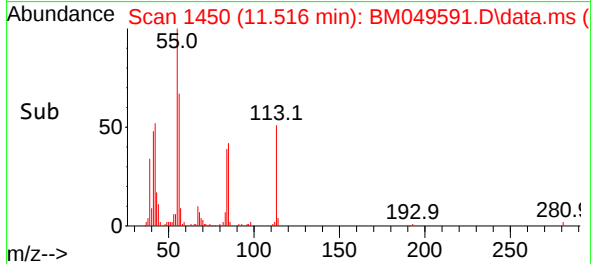
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



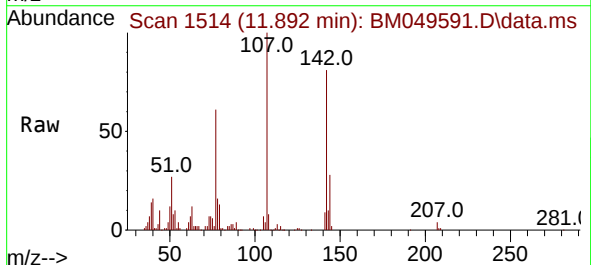
Tgt Ion:113 Resp: 23112
Ion Ratio Lower Upper
113 100
55 196.0 157.5 197.5
56 130.8 114.6 154.6

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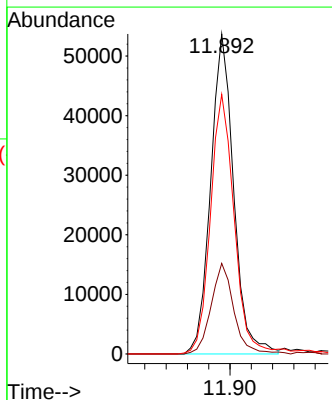
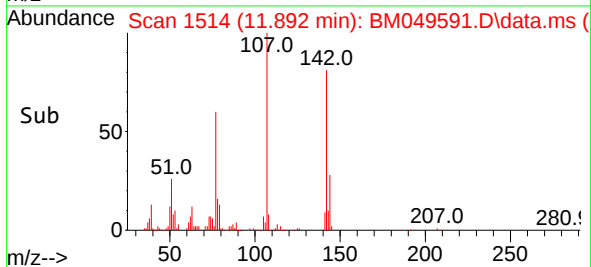
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

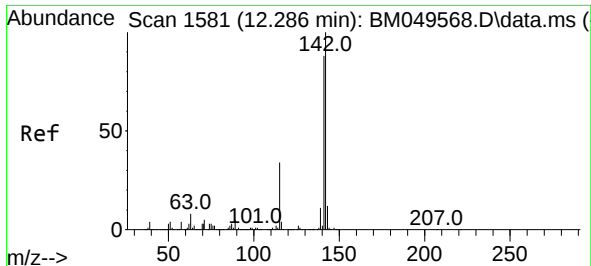


#36
4-Chloro-3-methylphenol
Concen: 7.357 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



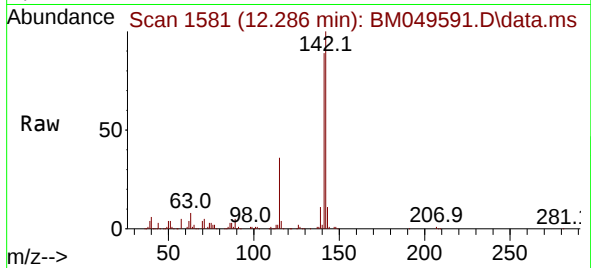
Tgt Ion:107 Resp: 80520
Ion Ratio Lower Upper
107 100
144 28.3 21.2 31.8
142 81.1 65.4 98.2





#37
2-Methylnaphthalene
Concen: 8.660 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

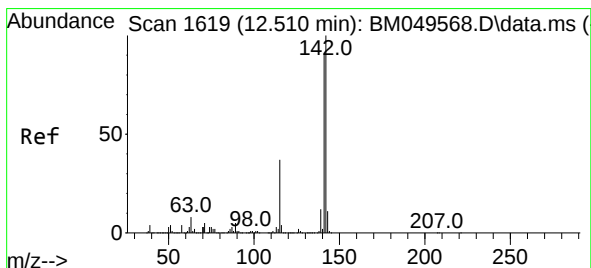
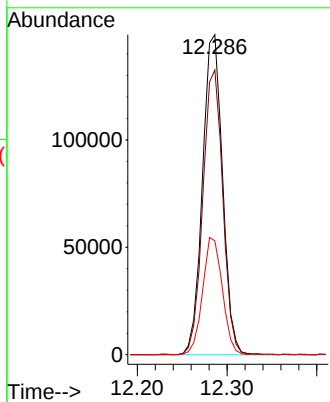
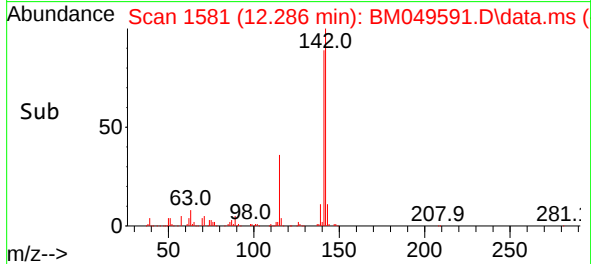
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:142 Resp: 23116
Ion Ratio Lower Upper
142 100
141 89.0 70.2 105.4
115 35.6 27.5 41.3

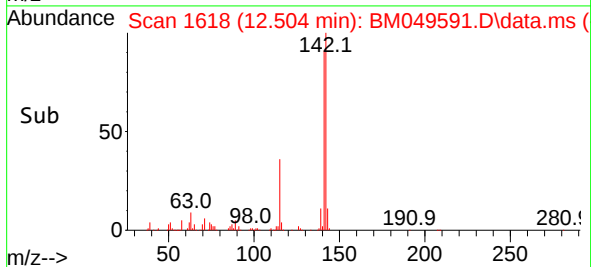
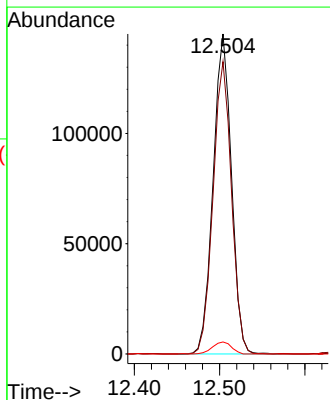
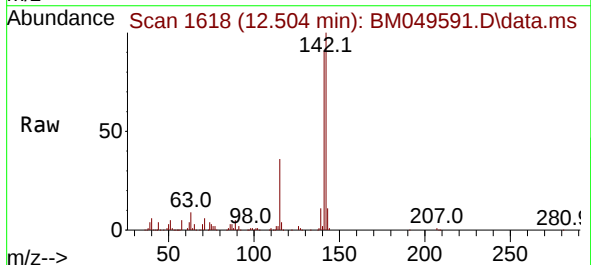
Manual Integrations
APPROVED

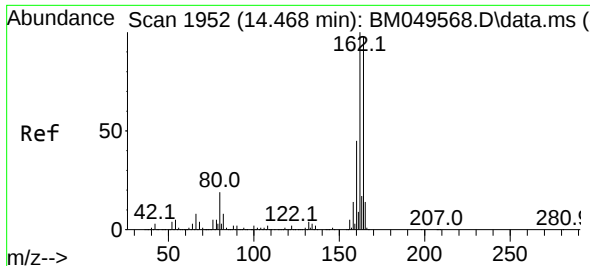
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#38
1-Methylnaphthalene
Concen: 8.340 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

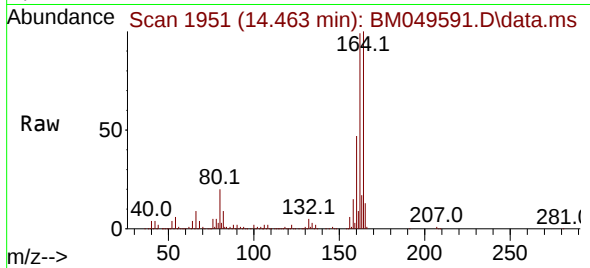
Tgt Ion:142 Resp: 216598
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 3.7 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

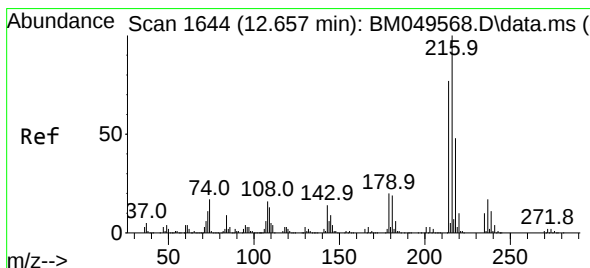
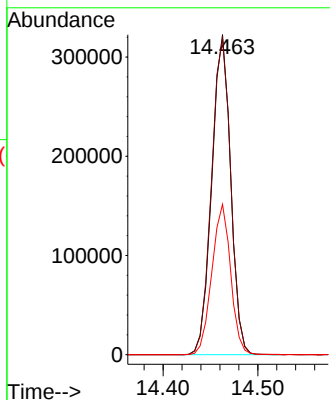
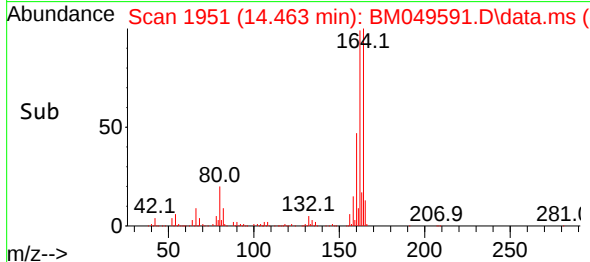
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



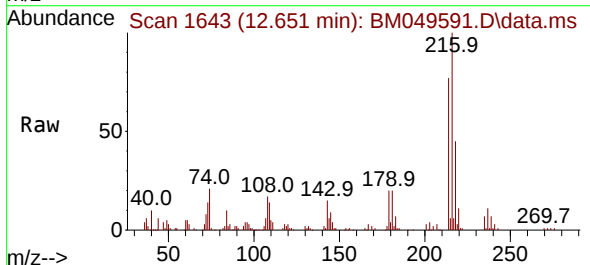
Tgt Ion:164 Resp: 445524
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.0
160 47.0 36.2 54.4

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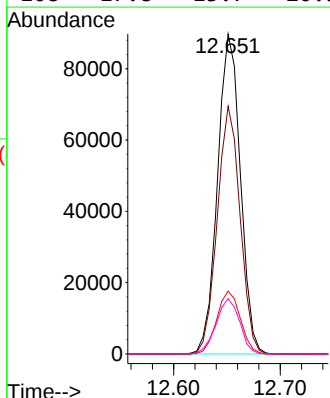
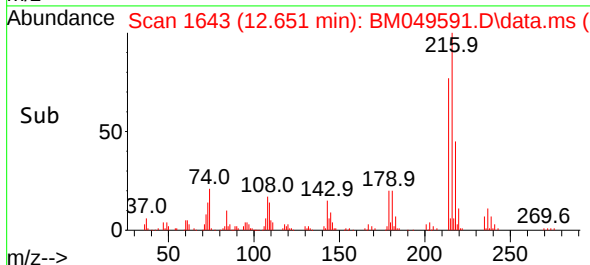
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

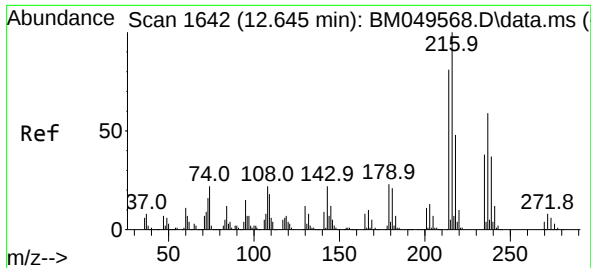


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.121 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



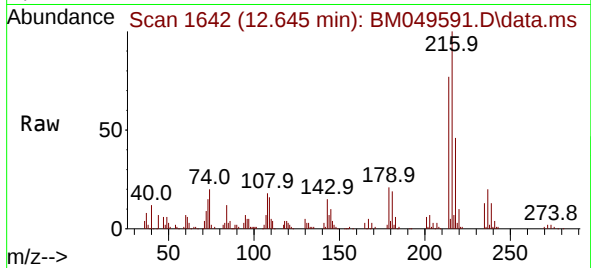
Tgt Ion:216 Resp: 133600
Ion Ratio Lower Upper
216 100
214 77.2 62.4 93.6
179 20.2 16.3 24.5
108 17.8 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 5.835 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

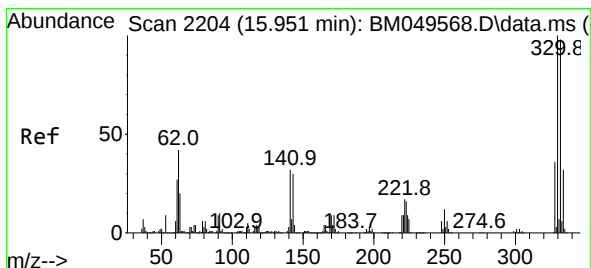
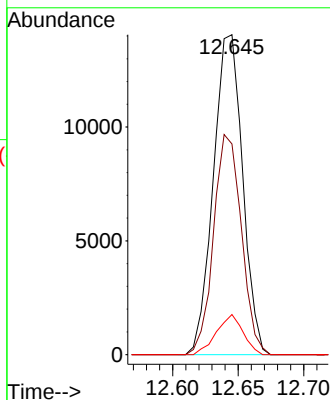
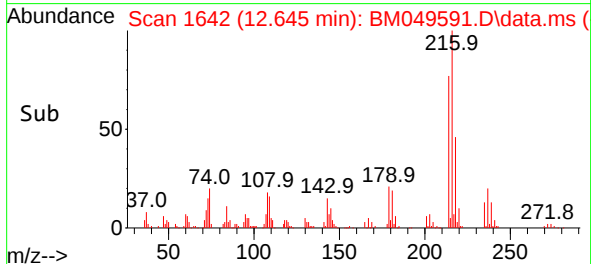
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



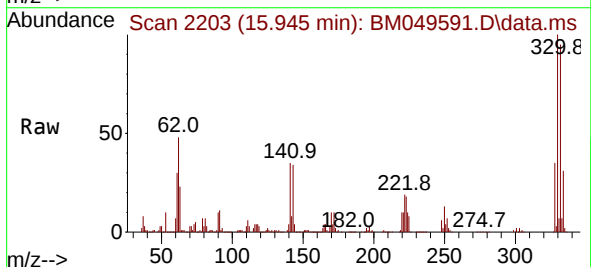
Tgt Ion:237 Resp: 21818
Ion Ratio Lower Upper
237 100
235 65.9 43.8 83.8
272 12.5 0.0 33.5

Manual Integrations
APPROVED

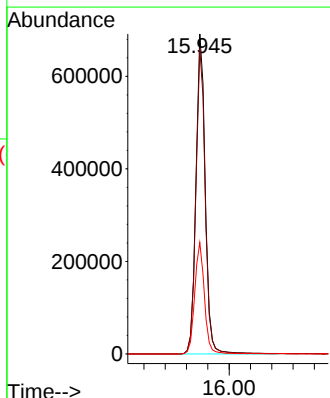
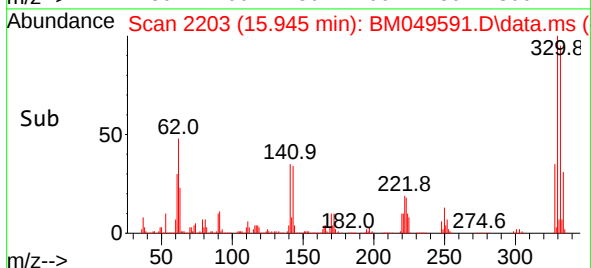
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

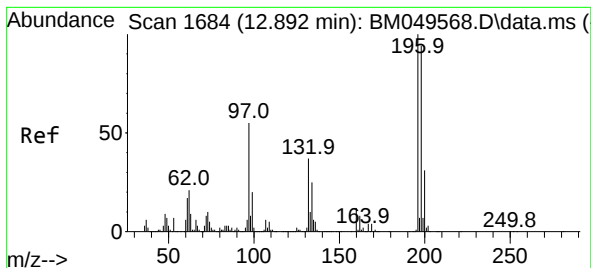


#42
2,4,6-Tribromophenol
Concen: 159.945 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



Tgt Ion:330 Resp: 844367
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 36.1 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 6.717 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

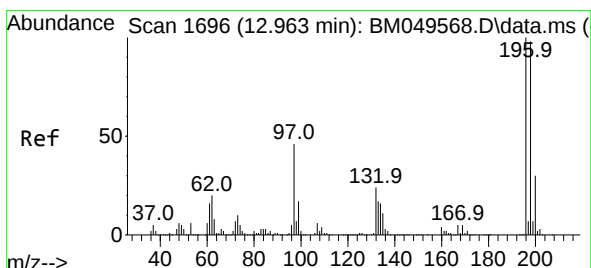
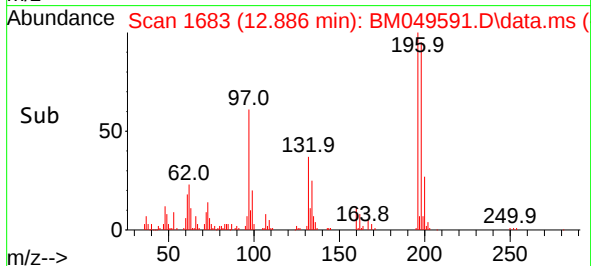
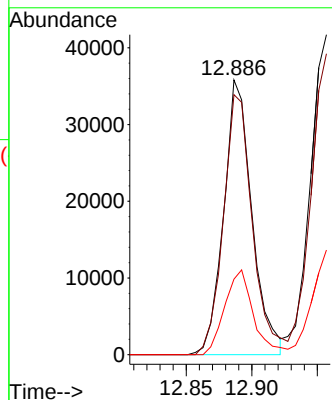
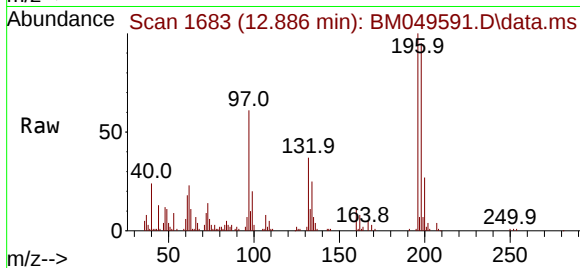
Tgt Ion:196 Resp: 5369

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.4	113.0
200	27.5	25.1	37.7

Manual Integrations

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



#44

2,4,5-Trichlorophenol

Concen: 7.907 ng

RT: 12.957 min Scan# 1695

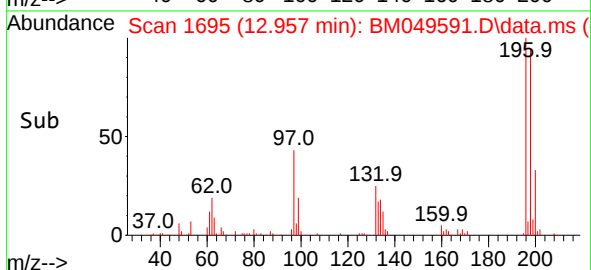
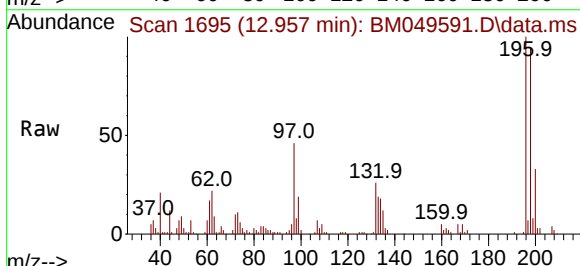
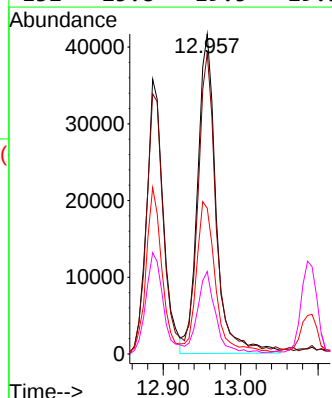
Delta R.T. -0.006 min

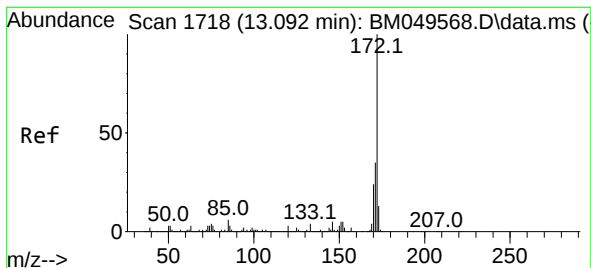
Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:196 Resp: 69455

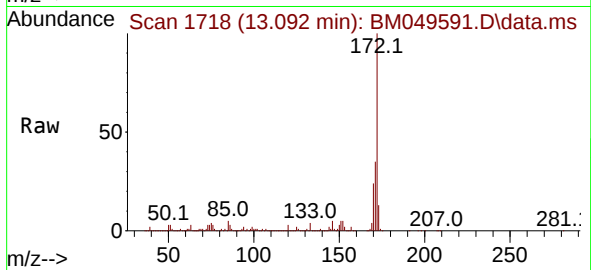
Ion	Ratio	Lower	Upper
196	100		
198	94.1	78.4	117.6
97	45.5	37.4	56.0
132	25.8	19.5	29.3





#45
2-Fluorobiphenyl
Concen: 113.897 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

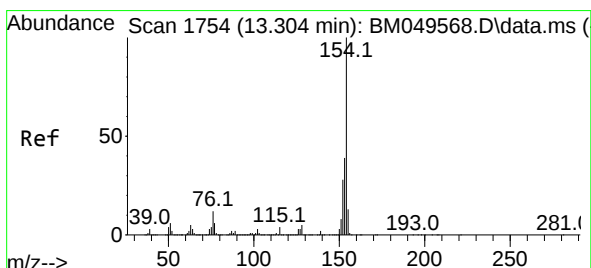
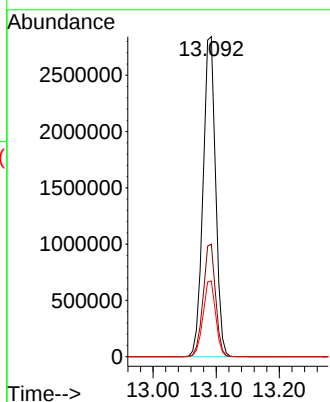
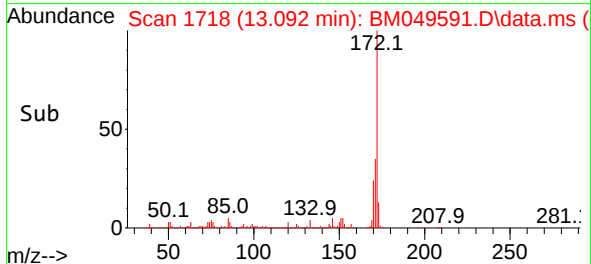
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



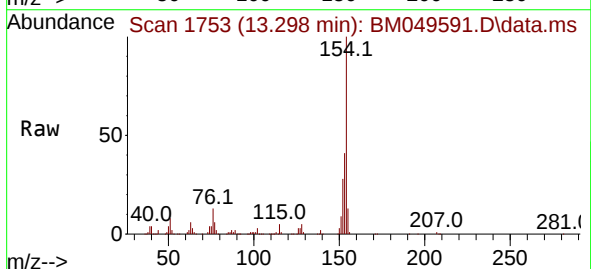
Tgt Ion:172 Resp: 3917090
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.7 19.0 28.4

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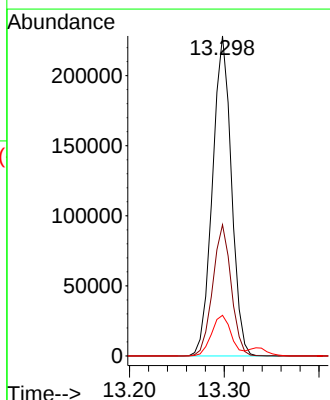
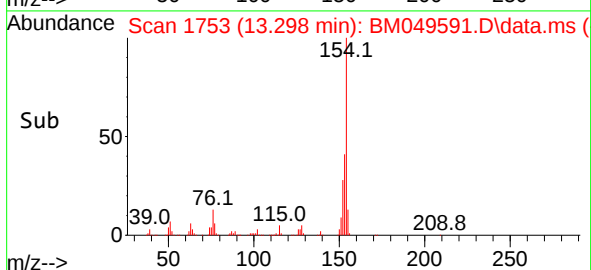
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

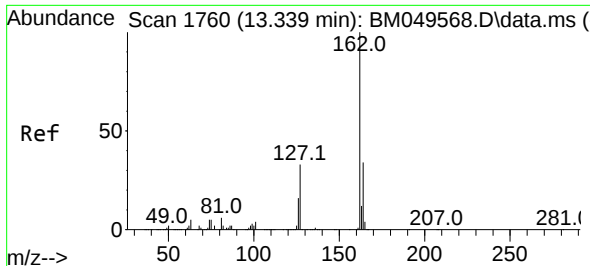


#46
1,1'-Biphenyl
Concen: 9.324 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



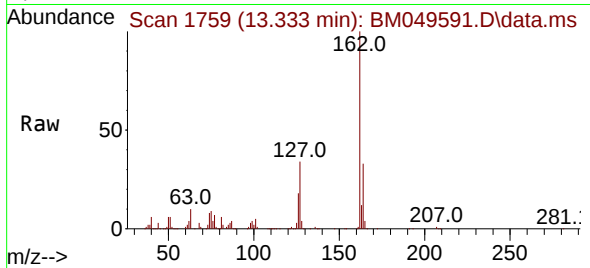
Tgt Ion:154 Resp: 316910
Ion Ratio Lower Upper
154 100
153 41.0 19.5 59.5
76 12.7 0.0 32.1





#47
2-Chloronaphthalene
Concen: 9.286 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

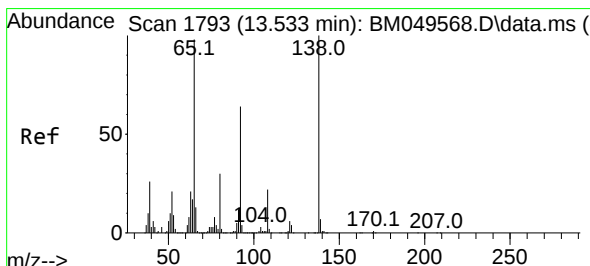
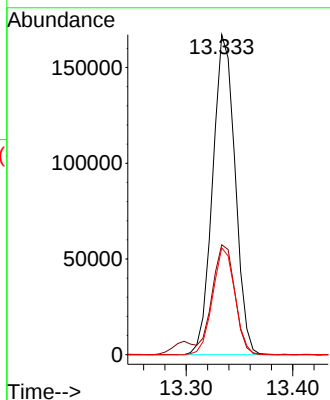
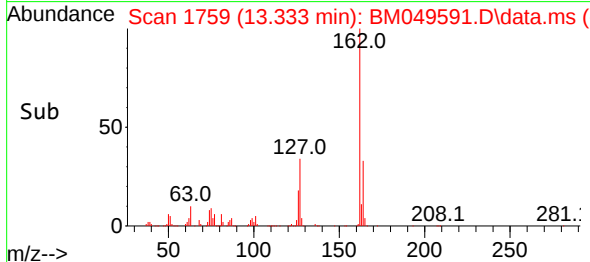
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



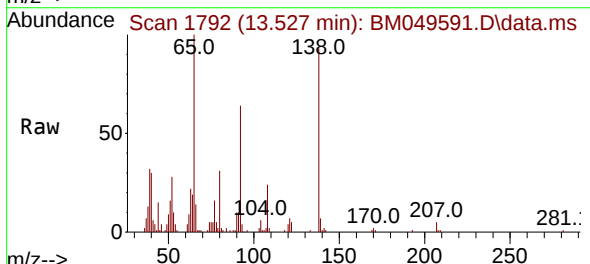
Tgt Ion:162 Resp: 24419
Ion Ratio Lower Upper
162 100
127 34.4 27.9 41.9
164 33.4 26.8 40.2

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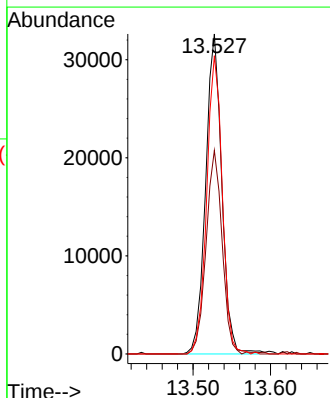
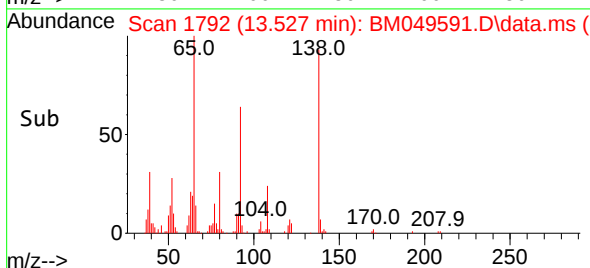
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

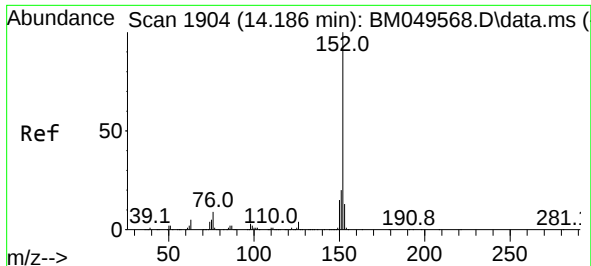


#48
2-Nitroaniline
Concen: 10.377 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



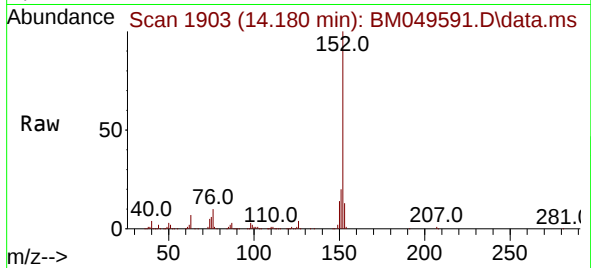
Tgt Ion: 65 Resp: 47408
Ion Ratio Lower Upper
65 100
92 63.6 52.0 78.0
138 93.2 81.6 122.4





#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

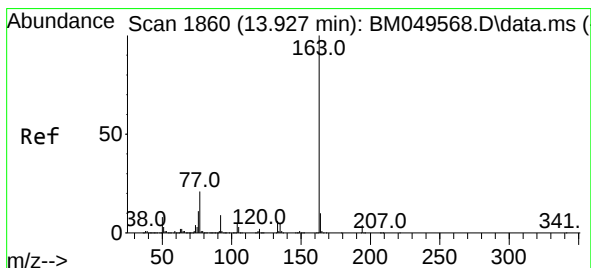
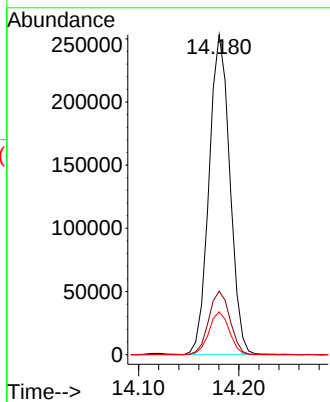
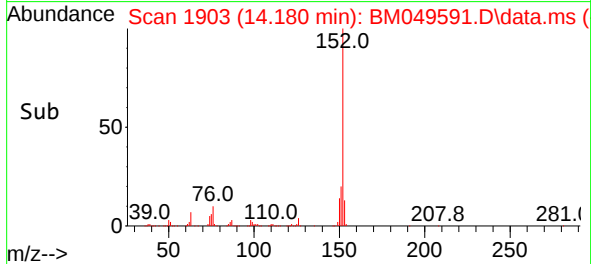
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:152 Resp: 364682
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.4 10.6 16.0

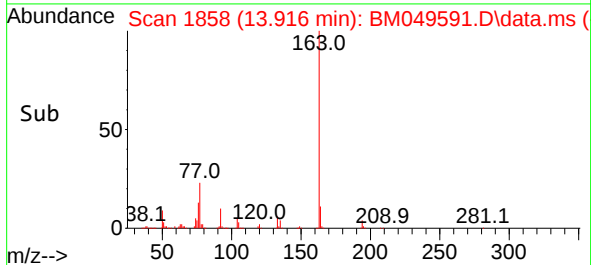
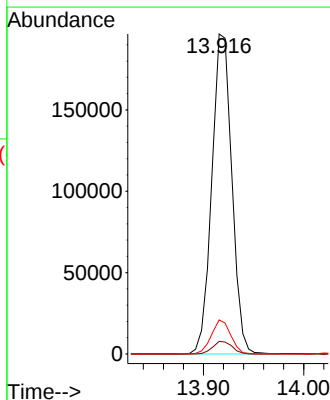
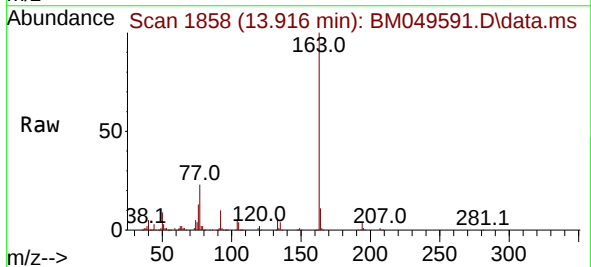
Manual Integrations
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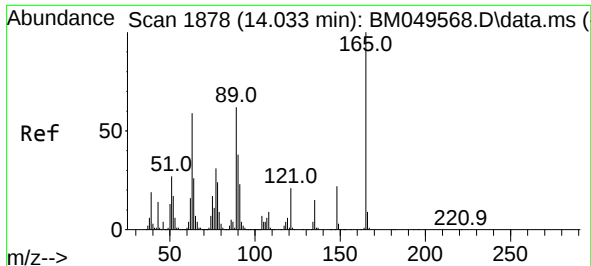
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#50
Dimethylphthalate
Concen: 8.537 ng
RT: 13.916 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

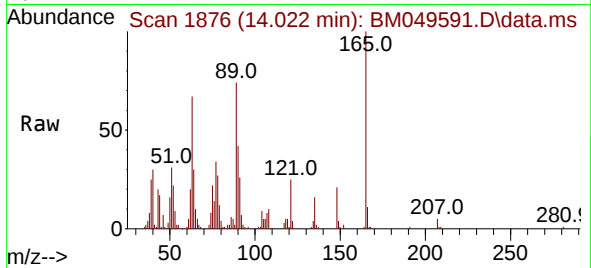
Tgt Ion:163 Resp: 273155
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.6 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 8.412 ng
RT: 14.022 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

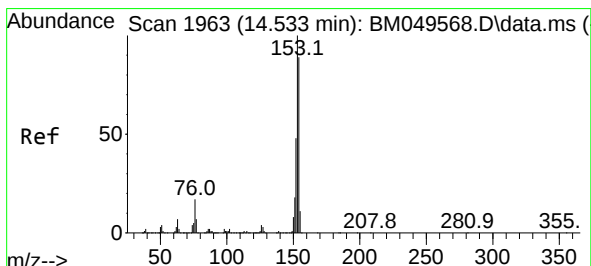
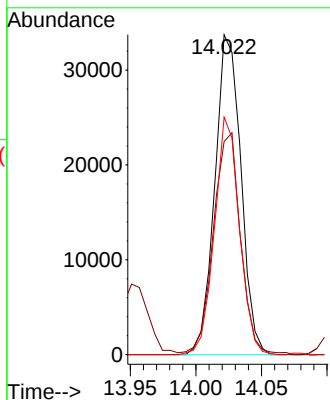
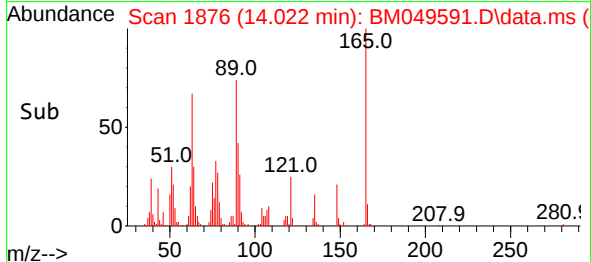
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:165 Resp: 46573
Ion Ratio Lower Upper
165 100
63 66.6 47.8 71.6
89 74.3 49.2 73.8

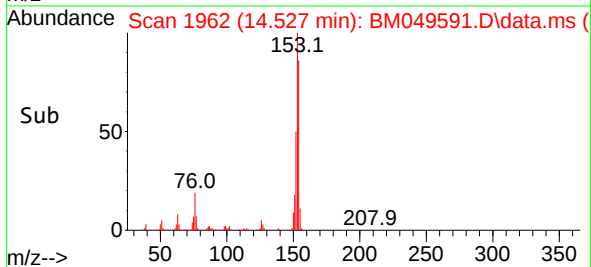
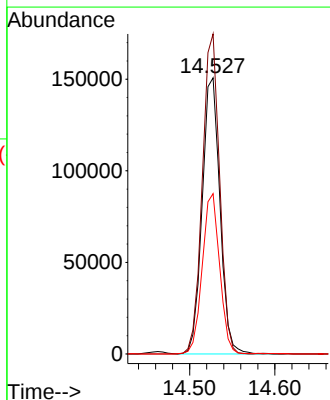
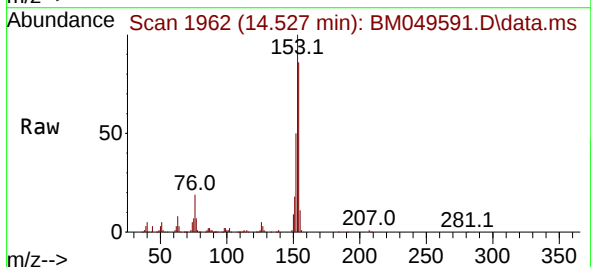
Manual Integrations
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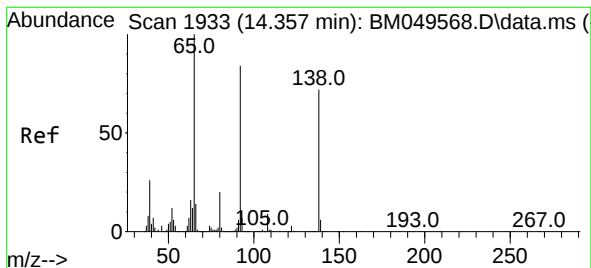
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#52
Acenaphthene
Concen: 8.489 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

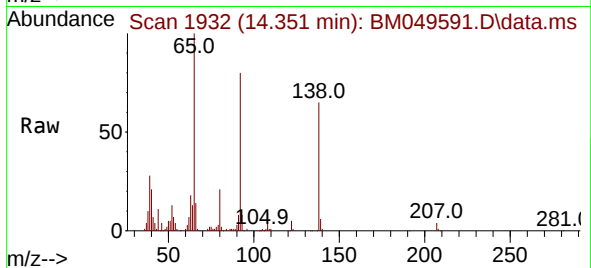
Tgt Ion:154 Resp: 218480
Ion Ratio Lower Upper
154 100
153 115.9 90.0 135.0
152 58.1 43.0 64.4





#53
3-Nitroaniline
Concen: 8.330 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

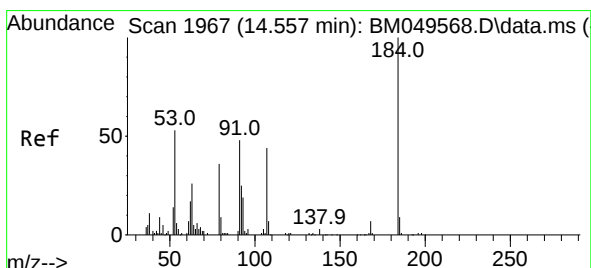
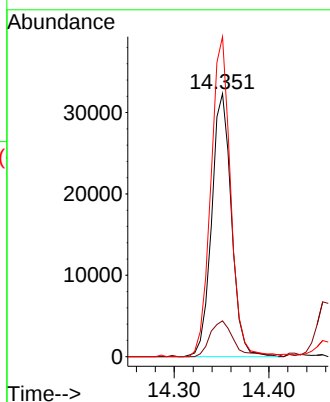
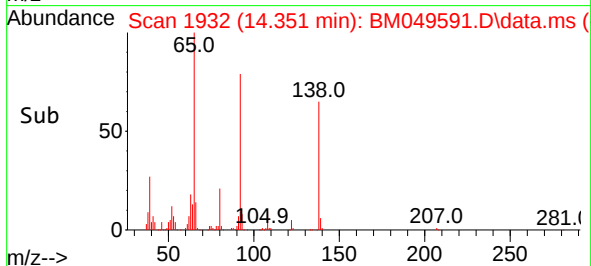
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



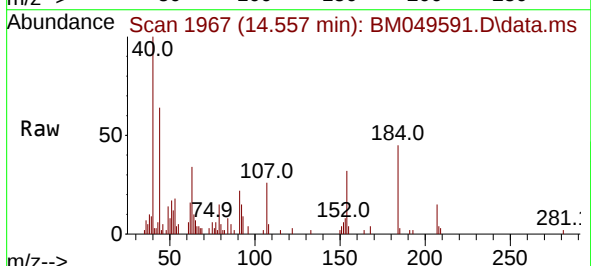
Tgt Ion:138 Resp: 4695
Ion Ratio Lower Upper
138 100
108 13.6 10.3 15.5
92 121.7 93.6 140.4

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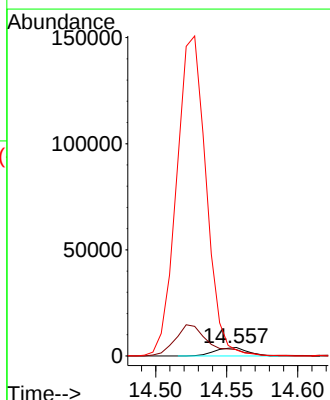
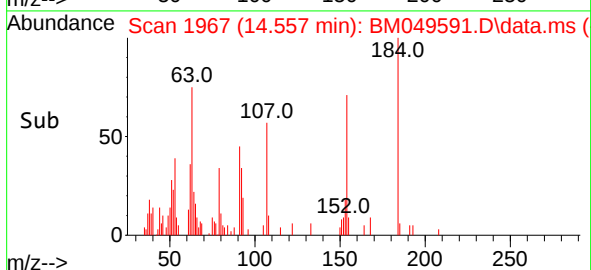
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

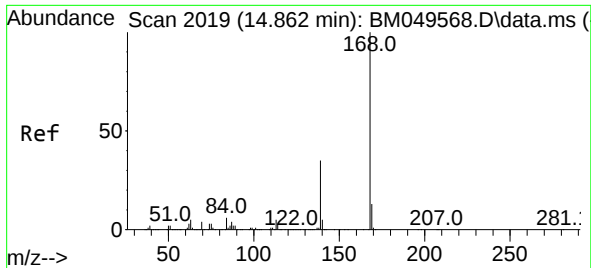


#54
2,4-Dinitrophenol
Concen: 9.440 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



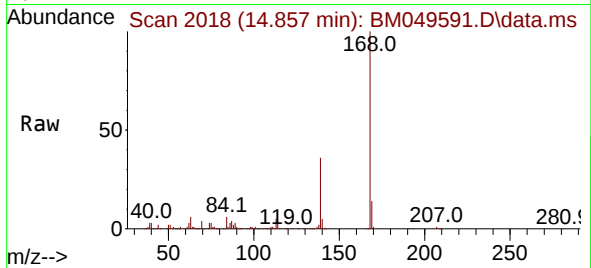
Tgt Ion:184 Resp: 6224
Ion Ratio Lower Upper
184 100
63 74.8 60.2 90.4
154 70.6 78.2 117.4#





#55
Dibenzenofuran
Concen: 8.732 ng
RT: 14.857 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

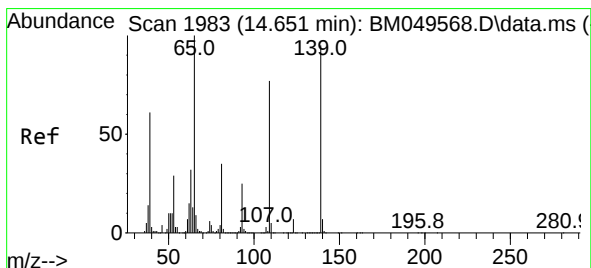
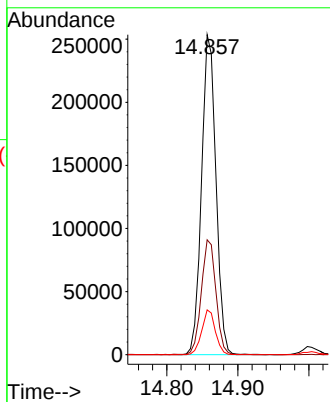
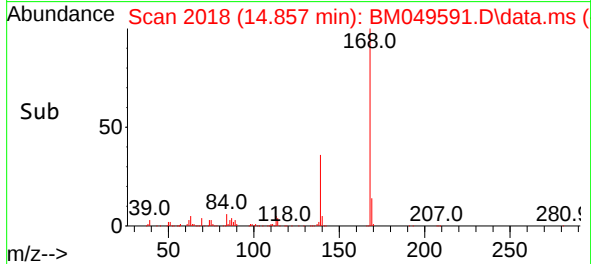
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



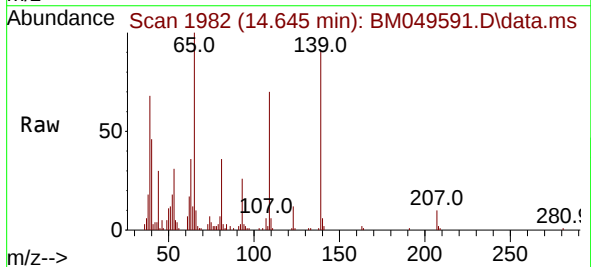
Tgt Ion:168 Resp: 35784
Ion Ratio Lower Upper
168 100
139 35.9 28.4 42.6
169 14.0 10.8 16.2

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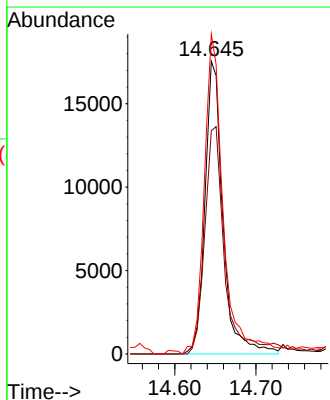
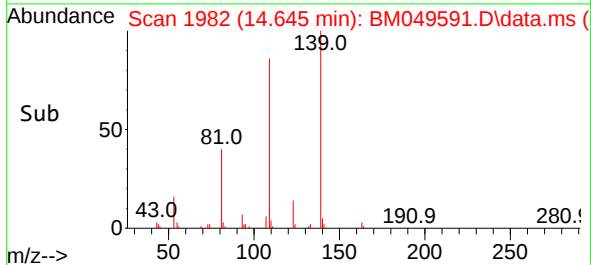
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

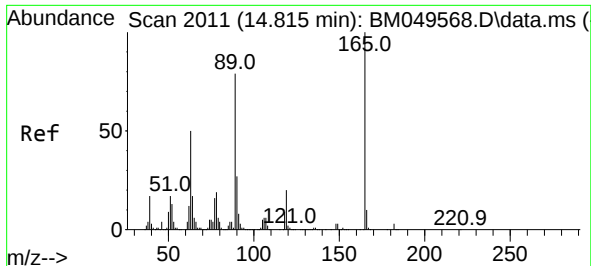


#56
4-Nitrophenol
Concen: 5.648 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



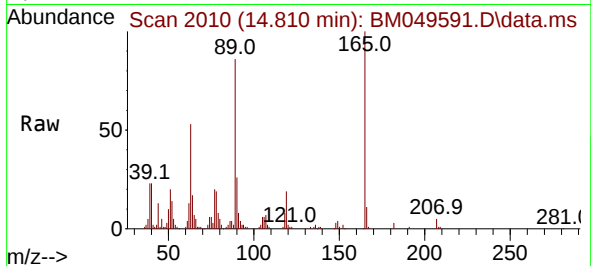
Tgt Ion:139 Resp: 26836
Ion Ratio Lower Upper
139 100
109 76.2 61.4 101.4
65 109.3 85.6 125.6





#57
2,4-Dinitrotoluene
Concen: 10.230 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

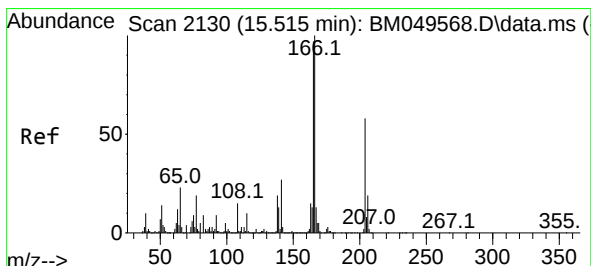
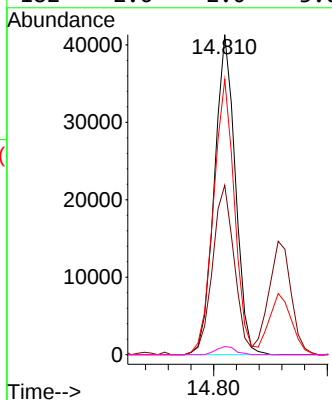
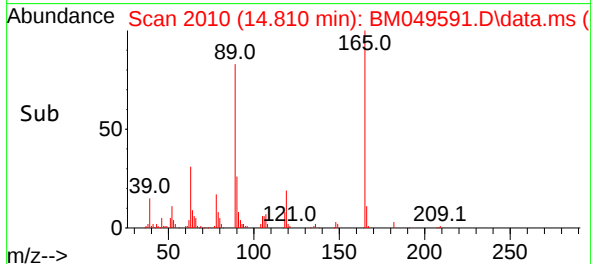
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:165 Resp: 5292
Ion Ratio Lower Upper
165 100
63 53.0 39.8 59.6
89 86.0 63.5 95.3
182 2.6 2.0 3.0

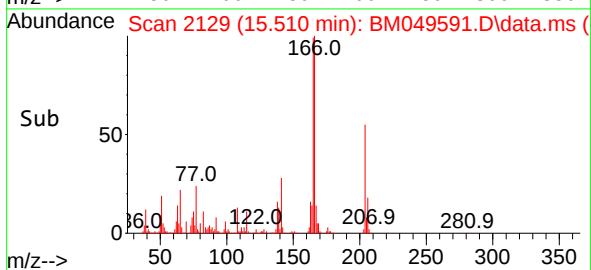
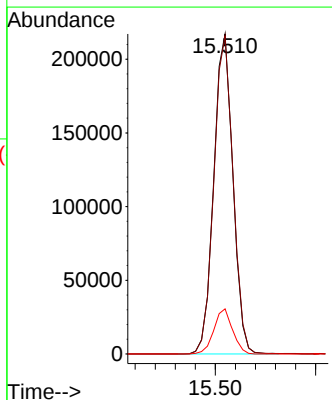
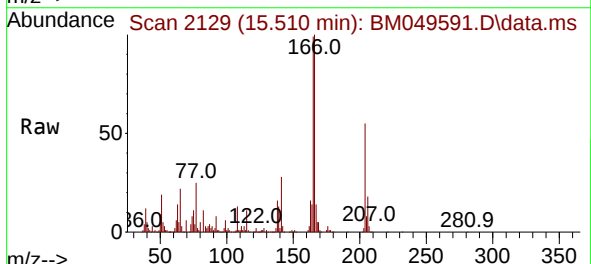
Manual Integrations
APPROVED

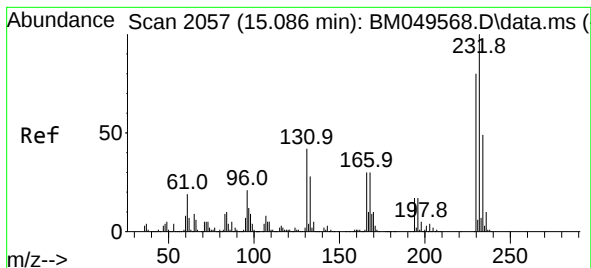
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#58
Fluorene
Concen: 8.201 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

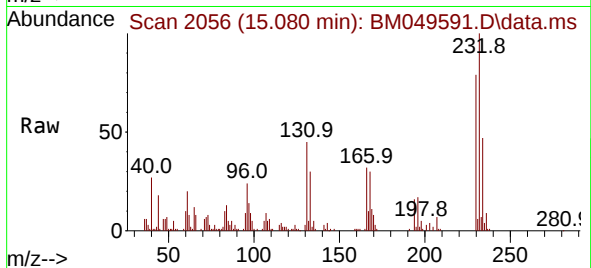
Tgt Ion:166 Resp: 287522
Ion Ratio Lower Upper
166 100
165 99.4 77.7 116.5
167 14.1 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.598 ng
RT: 15.080 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

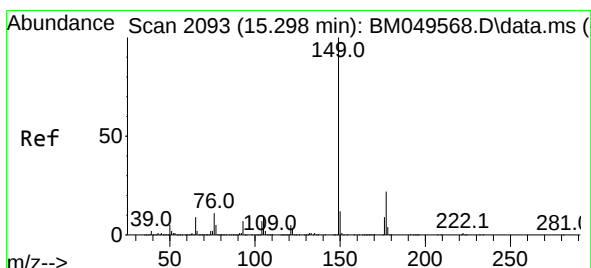
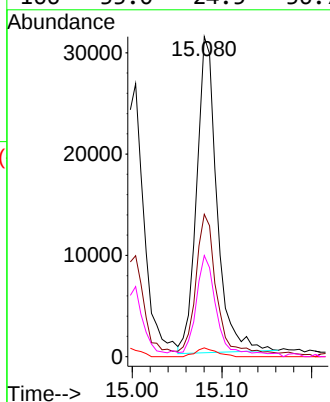
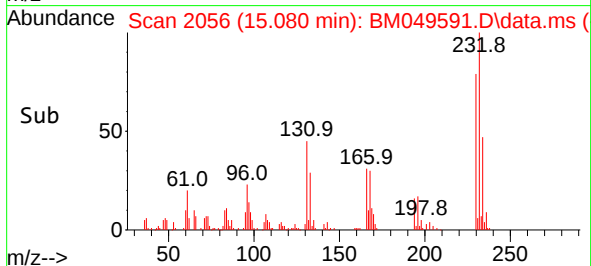
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:232 Resp: 4896
Ion Ratio Lower Upper
232 100
131 44.4 34.5 51.7
130 2.9 1.9 2.9
166 33.0 24.5 36.7

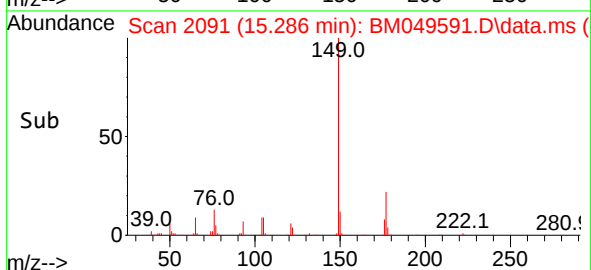
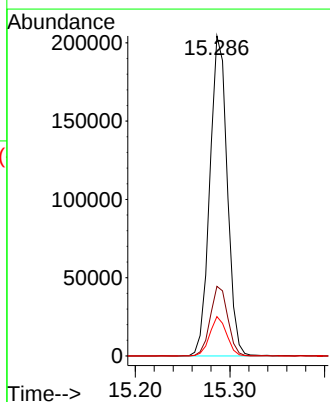
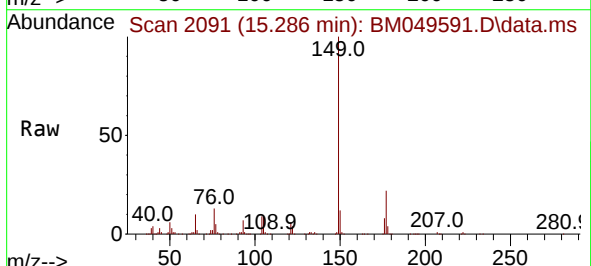
Manual Integrations
APPROVED

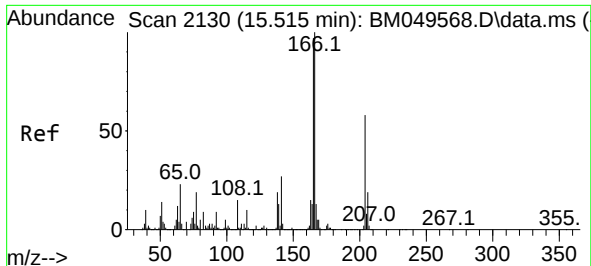
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#60
Diethylphthalate
Concen: 8.115 ng
RT: 15.286 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

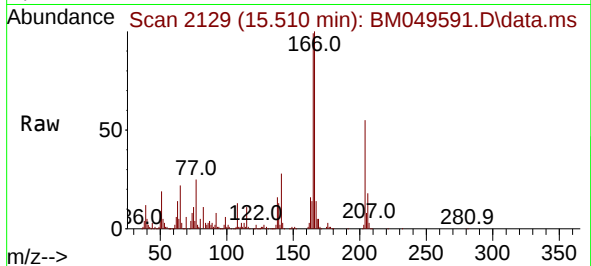
Tgt Ion:149 Resp: 260949
Ion Ratio Lower Upper
149 100
177 21.8 18.0 27.0
150 12.3 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 7.994 ng
RT: 15.510 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

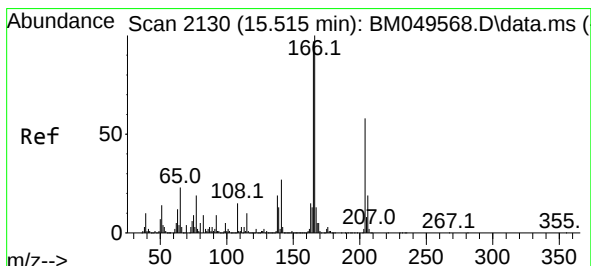
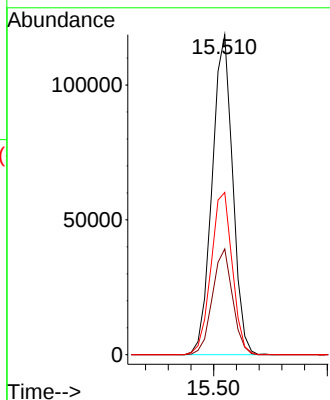
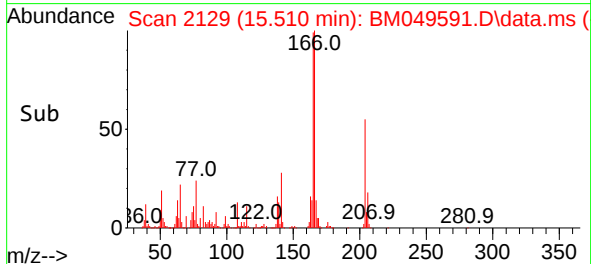
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:204 Resp: 14917
Ion Ratio Lower Upper
204 100
206 33.0 26.0 39.0
141 50.7 37.1 55.7

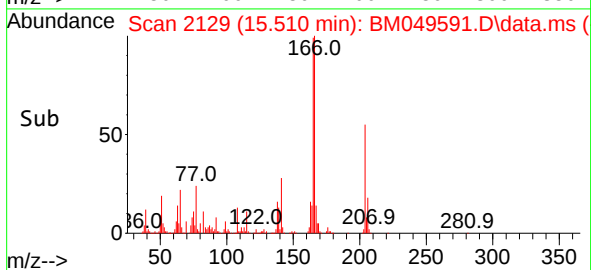
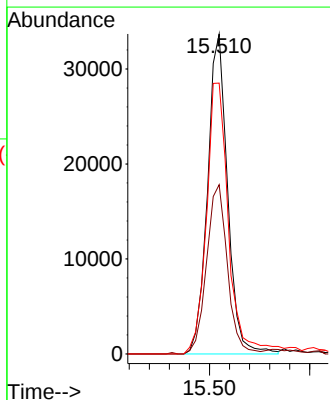
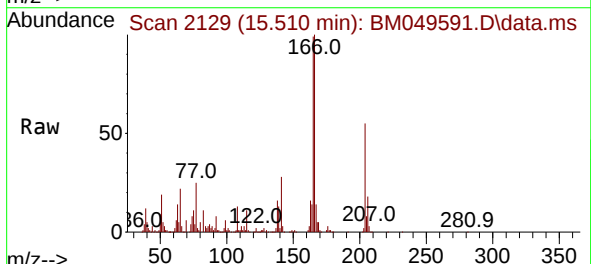
Manual Integrations
APPROVED

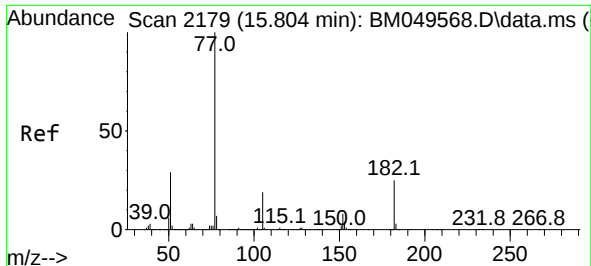
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#62
4-Nitroaniline
Concen: 10.069 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

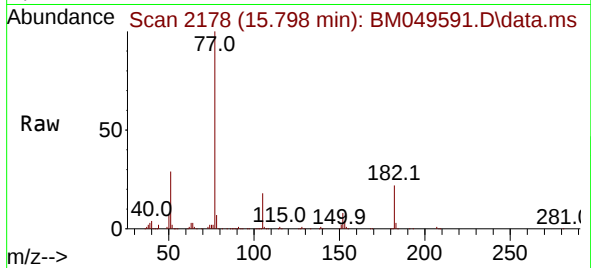
Tgt Ion:138 Resp: 46842
Ion Ratio Lower Upper
138 100
92 52.9 29.3 69.3
108 84.6 60.1 100.1





#63
Azobenzene
Concen: 9.146 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

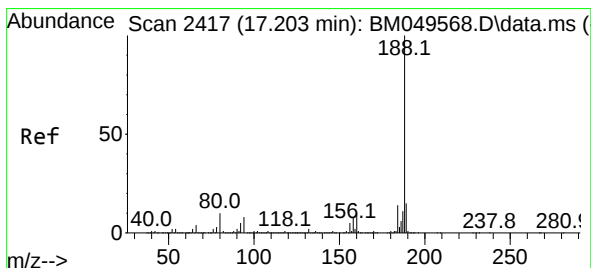
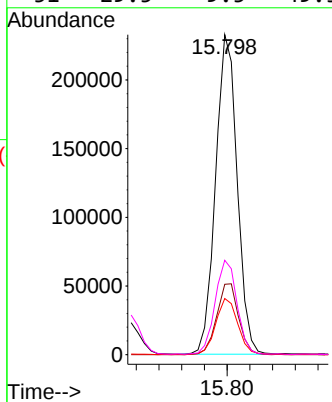
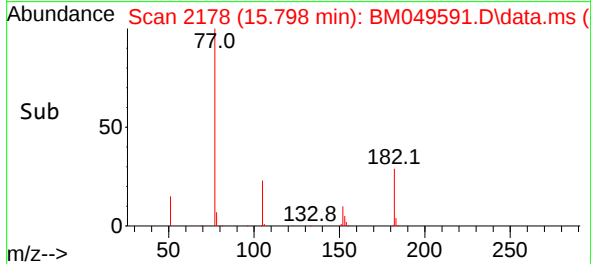
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 306954
Ion Ratio Lower Upper
77 100
182 22.0 4.7 44.7
105 17.6 0.0 39.3
51 29.5 9.5 49.5

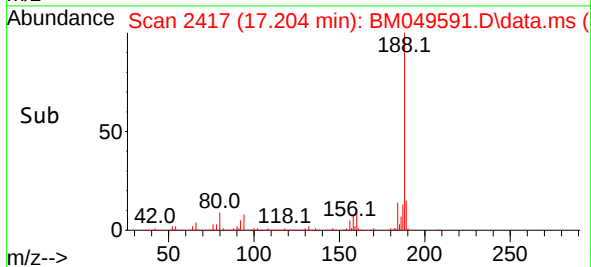
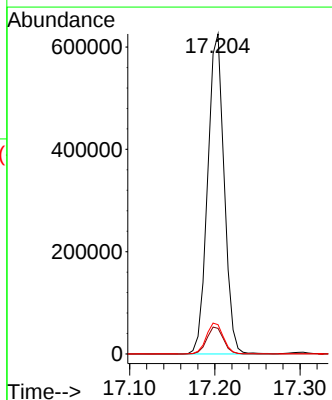
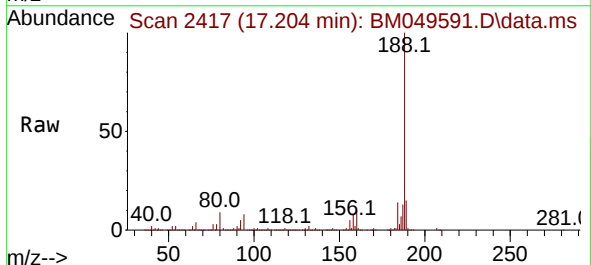
Manual Integrations
APPROVED

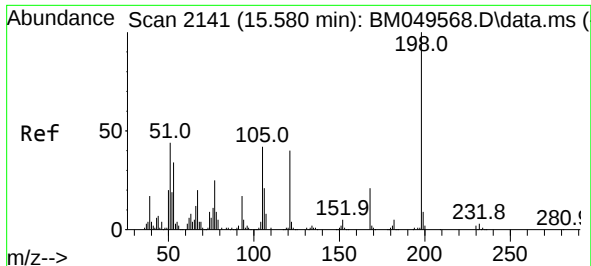
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

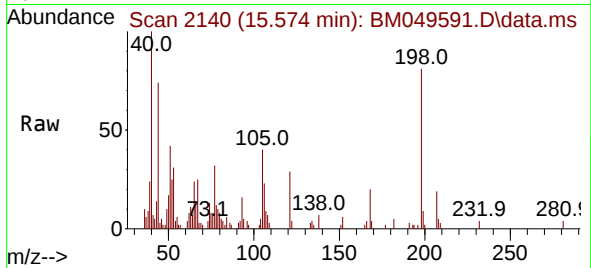
Tgt Ion:188 Resp: 841588
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.2 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 9.462 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

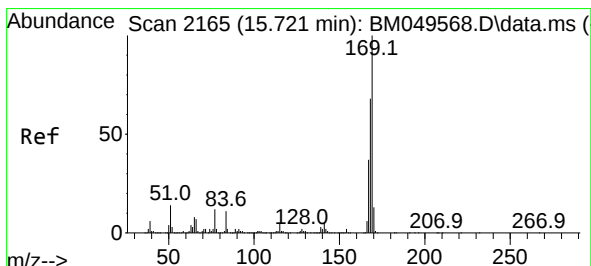
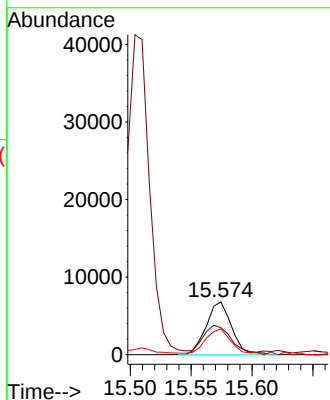
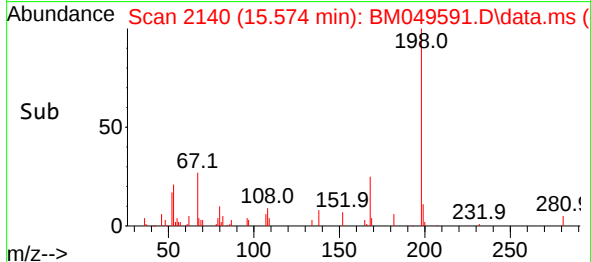
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



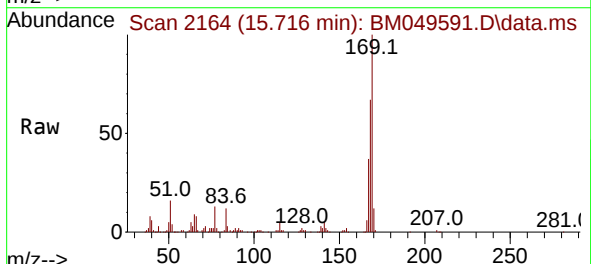
Tgt Ion:198 Resp: 9839
Ion Ratio Lower Upper
198 100
51 51.2 26.9 66.9
105 49.3 22.8 62.8

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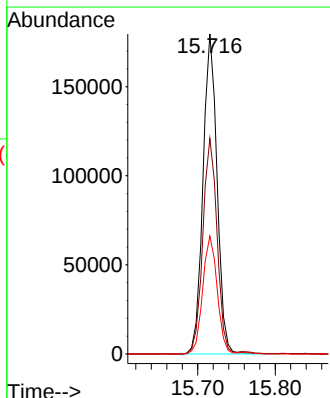
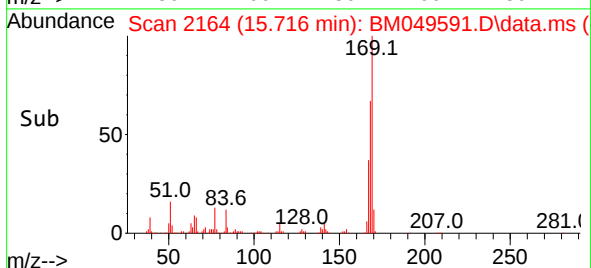
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

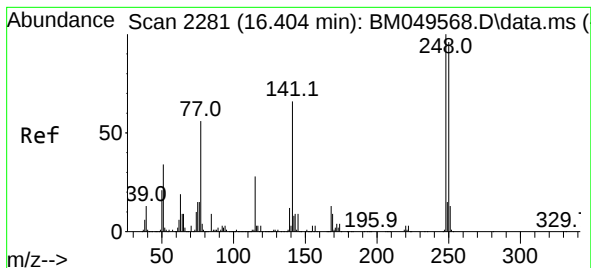


#66
n-Nitrosodiphenylamine
Concen: 8.542 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



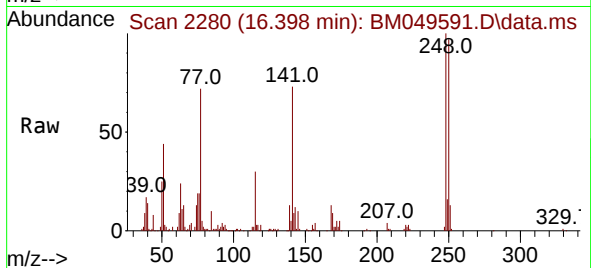
Tgt Ion:169 Resp: 226706
Ion Ratio Lower Upper
169 100
168 67.4 54.2 81.4
167 36.9 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 8.382 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

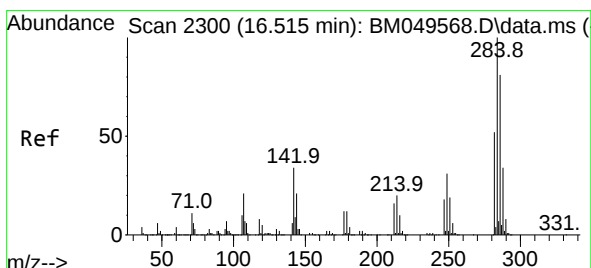
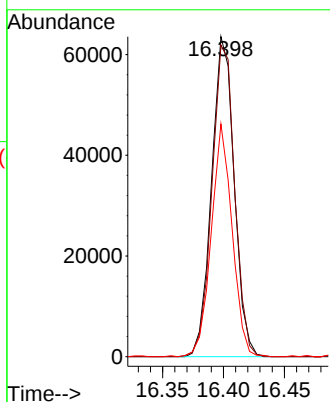
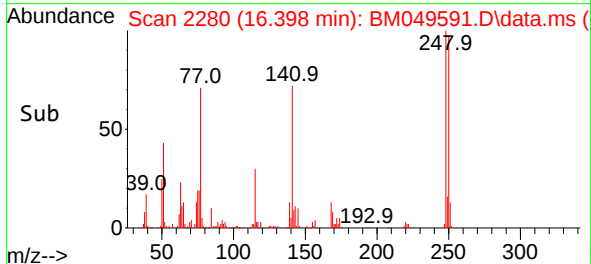
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



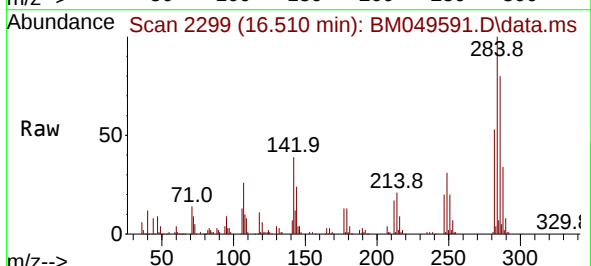
Tgt Ion:248 Resp: 81954
Ion Ratio Lower Upper
248 100
250 97.4 77.0 115.4
141 72.7 53.0 79.4

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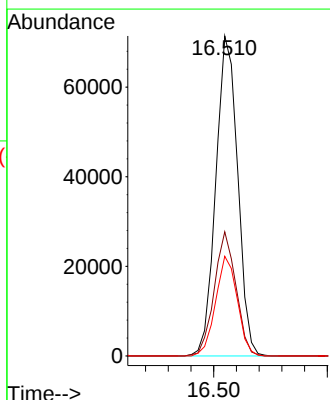
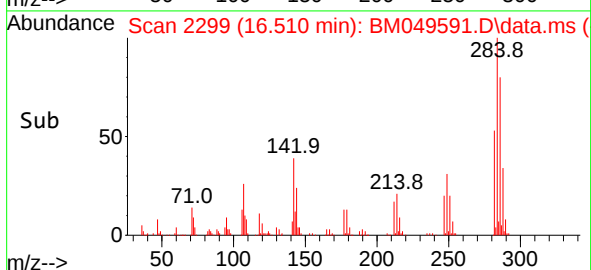
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

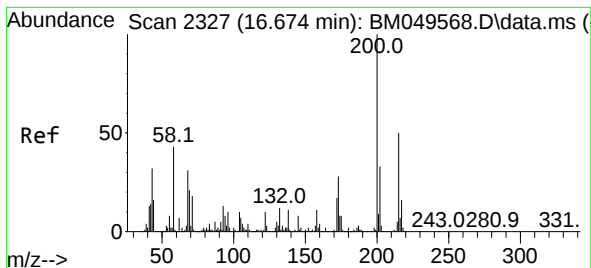


#68
Hexachlorobenzene
Concen: 8.507 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



Tgt Ion:284 Resp: 95467
Ion Ratio Lower Upper
284 100
142 38.8 27.1 40.7
249 31.2 24.6 36.8





#69

Atrazine

Concen: 8.342 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

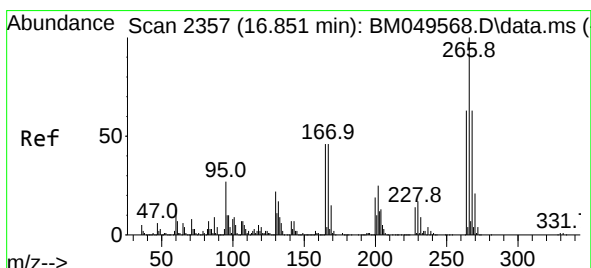
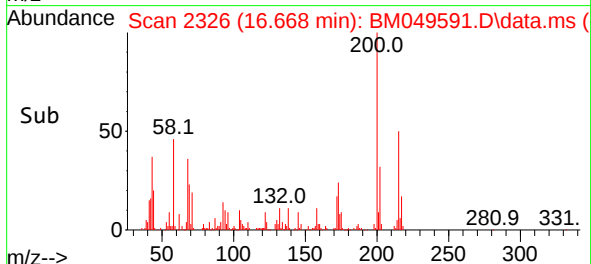
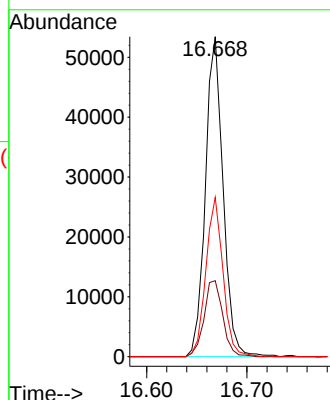
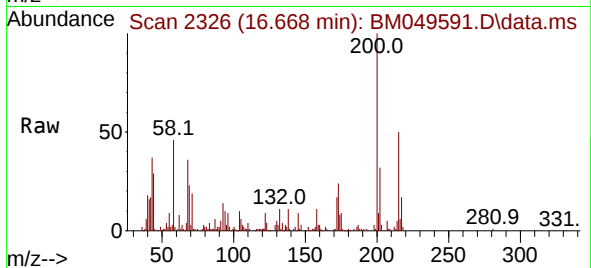
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:200 Resp: 65818
 Ion Ratio Lower Upper
 200 100
 173 23.7 7.6 47.6
 215 49.8 30.2 70.2

Manual Integrations

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



#70

Pentachlorophenol

Concen: 11.521 ng

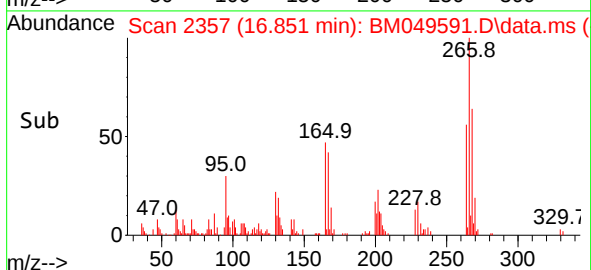
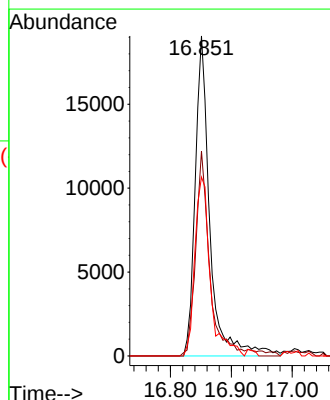
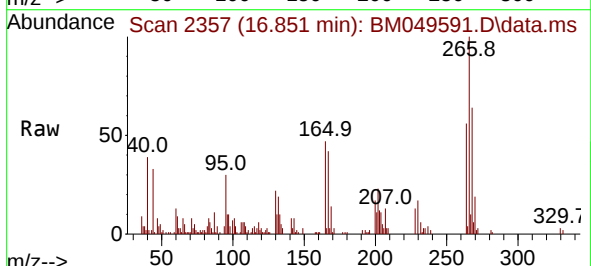
RT: 16.851 min Scan# 2357

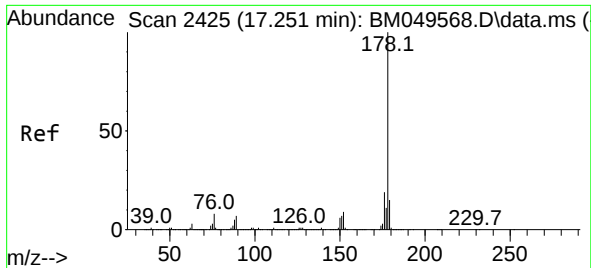
Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

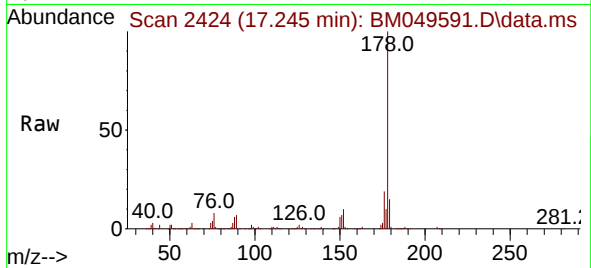
Tgt Ion:266 Resp: 31916
 Ion Ratio Lower Upper
 266 100
 268 64.0 50.8 76.2
 264 59.8 50.0 75.0





#71
Phenanthrene
Concen: 8.736 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

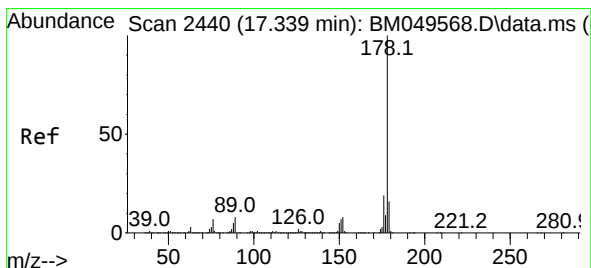
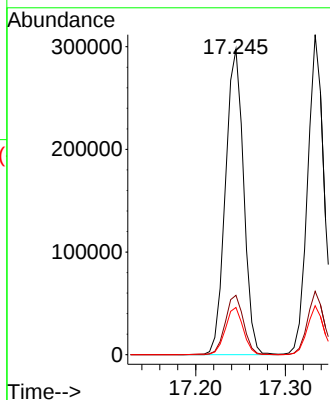
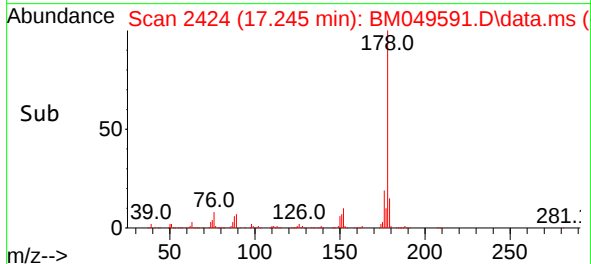
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



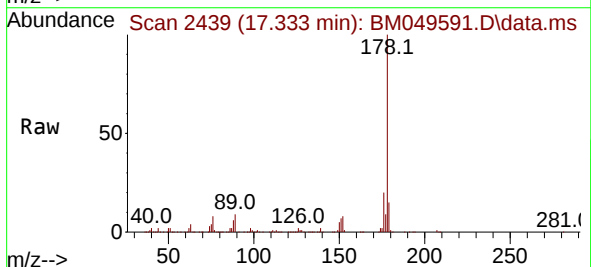
Tgt Ion:178 Resp: 418835
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.2 18.2

Manual Integrations
APPROVED

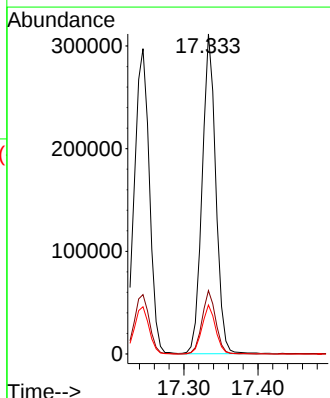
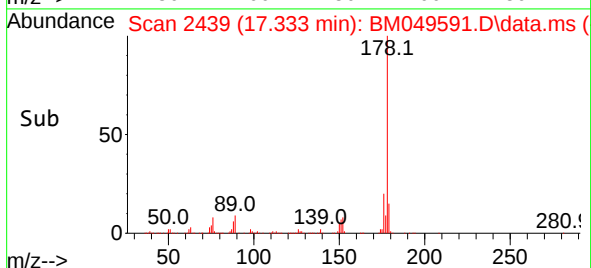
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

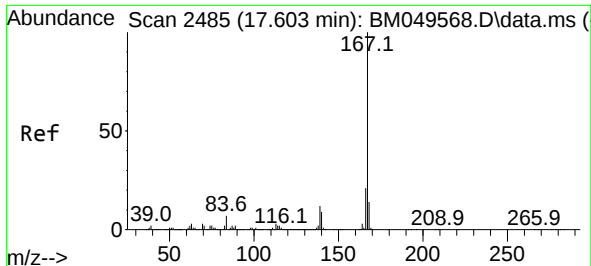


#72
Anthracene
Concen: 8.399 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55



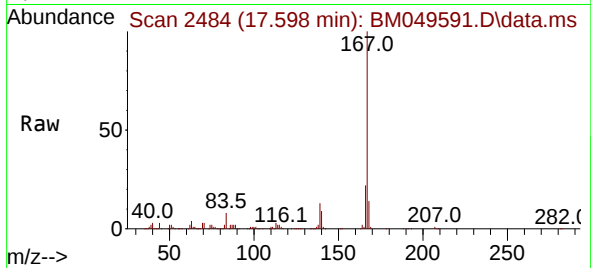
Tgt Ion:178 Resp: 398742
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.3 12.4 18.6





#73
 Carbazole
 Concen: 8.636 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55

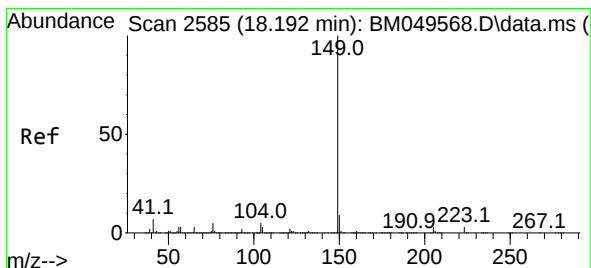
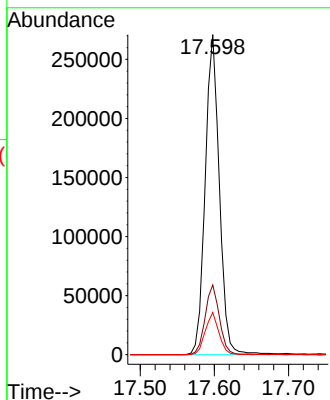
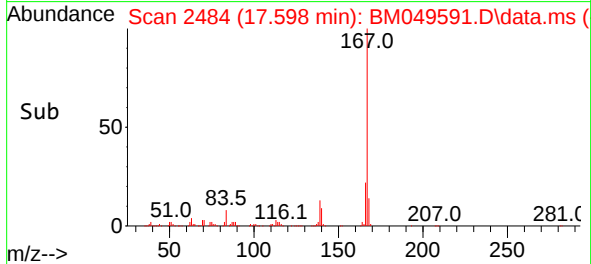
Instrument : BNA_M
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



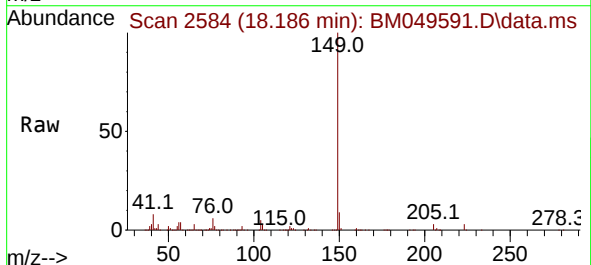
Tgt Ion:167 Resp: 359810
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.2 9.6 14.4

Manual Integrations
 APPROVED

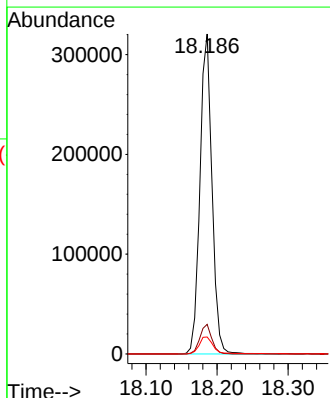
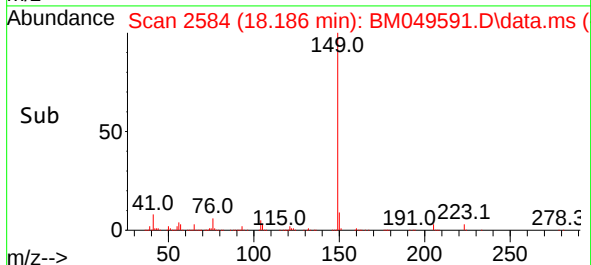
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

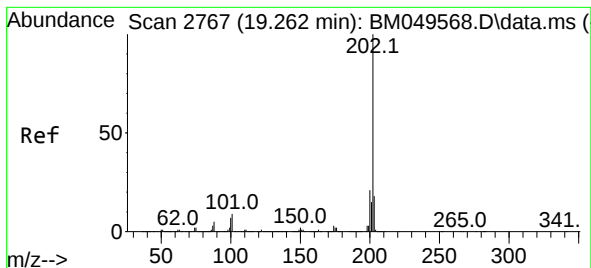


#74
 Di-n-butylphthalate
 Concen: 7.158 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55



Tgt Ion:149 Resp: 378428
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 7.835 ng

RT: 19.256 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049591.D

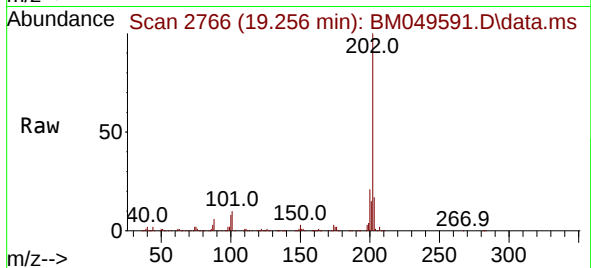
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

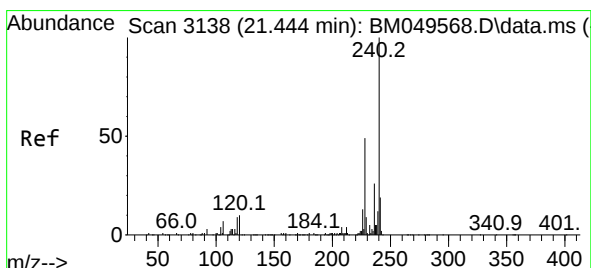
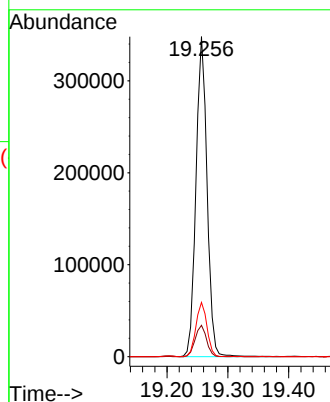
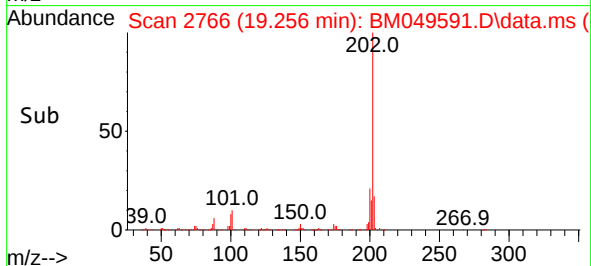


Tgt Ion:	202	Resp:	439809
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	29.1
203	16.9	0.0	37.5

Manual Integrations

APPROVED

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



#76

Chrysene-d12

Concen: 20.000 ng

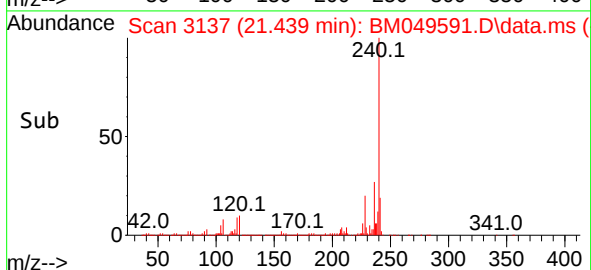
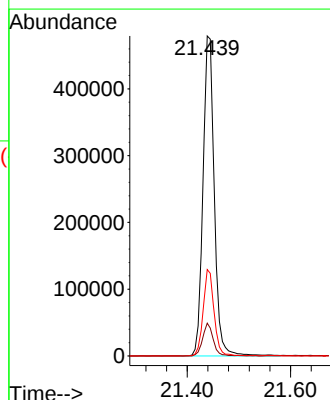
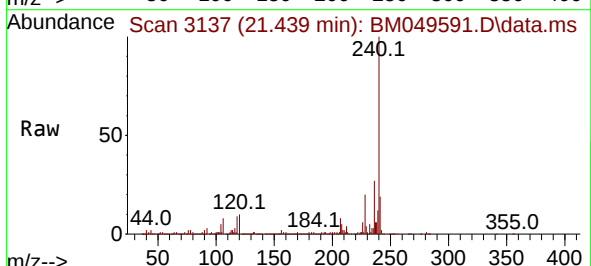
RT: 21.439 min Scan# 3137

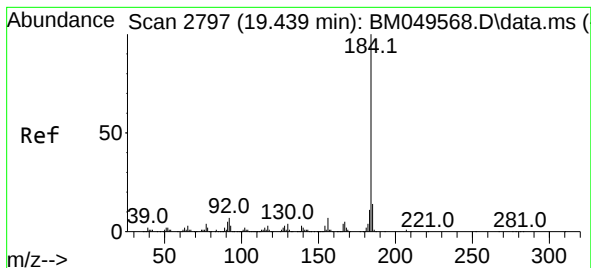
Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:	240	Resp:	727729
Ion Ratio	Lower	Upper	
240	100		
120	10.2	7.8	11.8
236	27.0	20.6	31.0





#77

Benzidine

Concen: 6.717 ng

RT: 19.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

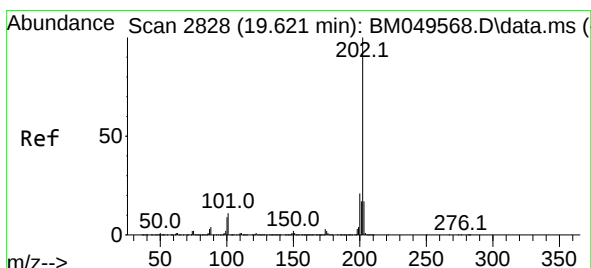
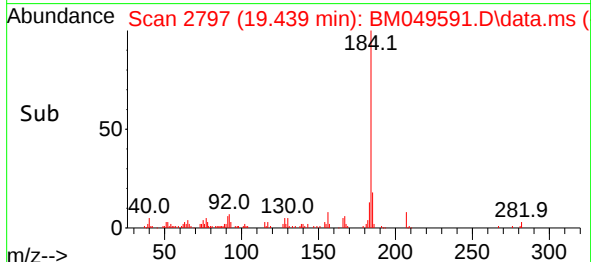
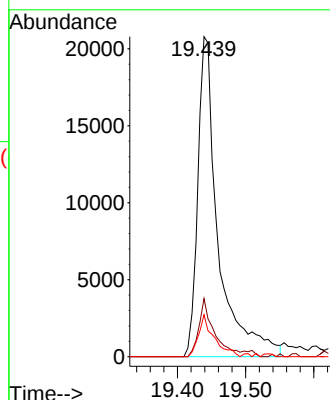
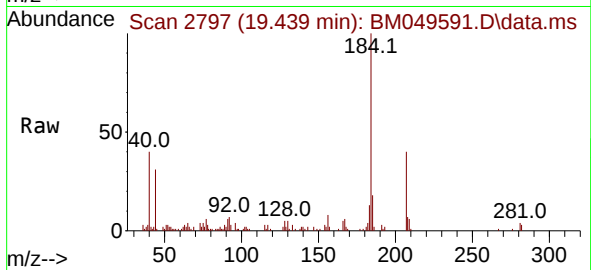
Tgt Ion:184 Resp: 4328

Ion	Ratio	Lower	Upper
184	100		
185	18.2	11.6	17.4
183	13.1	8.9	13.3

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 8.456 ng

RT: 19.615 min Scan# 2827

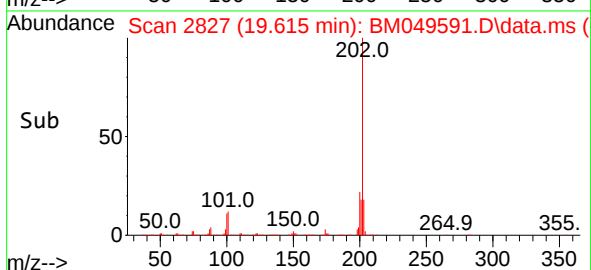
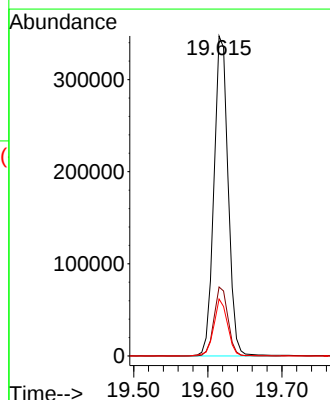
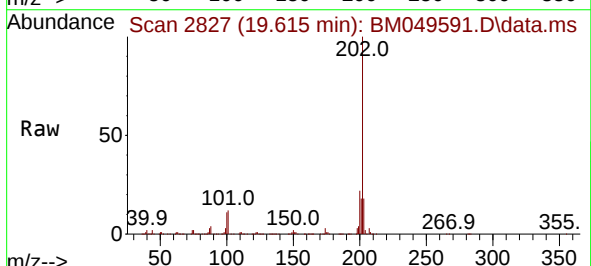
Delta R.T. -0.006 min

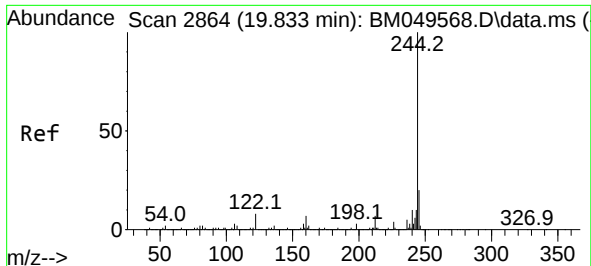
Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:202 Resp: 460775

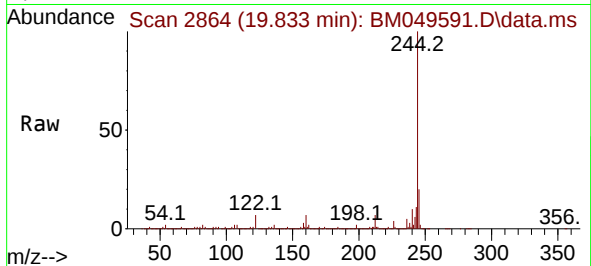
Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.8	13.8	20.8





#79
 Terphenyl-d14
 Concen: 145.646 ng
 RT: 19.833 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55

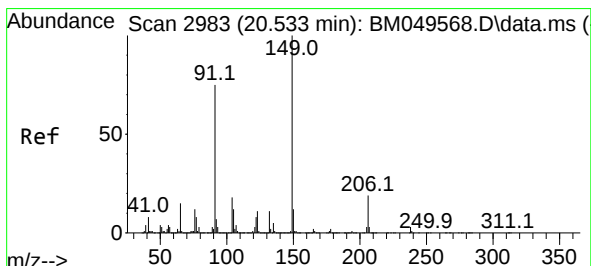
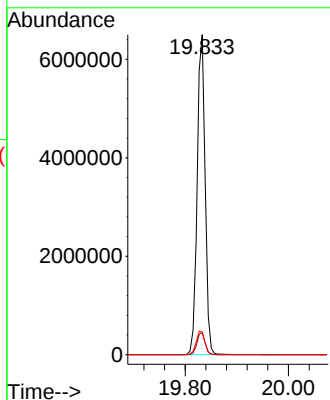
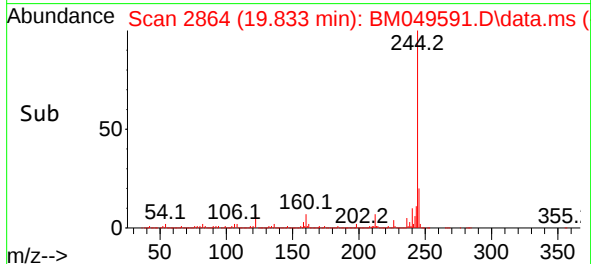
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:244 Resp: 694094
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 7.0 6.2 9.2

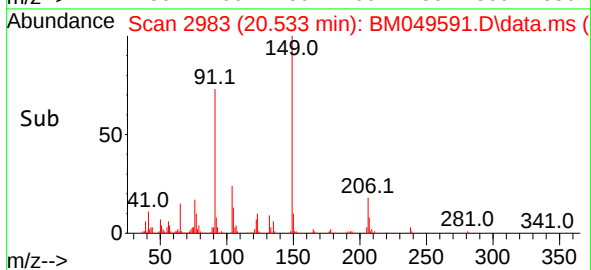
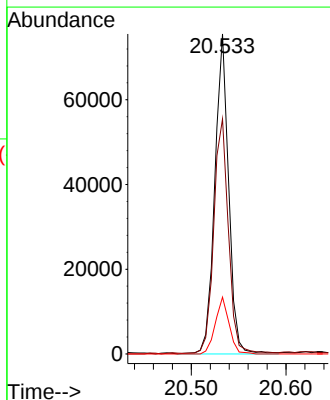
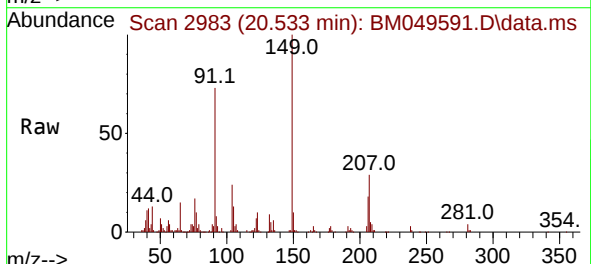
Manual Integrations
 APPROVED

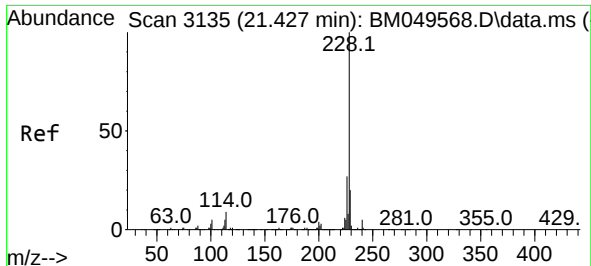
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#80
 Butylbenzylphthalate
 Concen: 4.546 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. 0.000 min
 Lab File: BM049591.D
 Acq: 06 Feb 2025 22:55

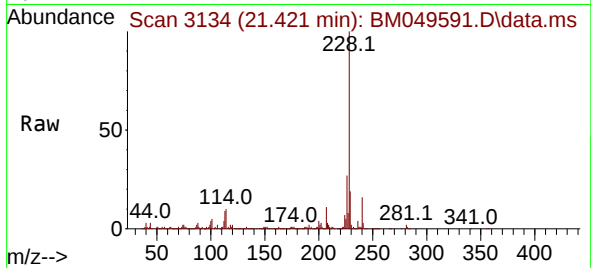
Tgt Ion:149 Resp: 77086
 Ion Ratio Lower Upper
 149 100
 91 73.4 60.2 90.2
 206 17.8 15.4 23.0





#81
Benzo(a)anthracene
Concen: 8.769 ng
RT: 21.421 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

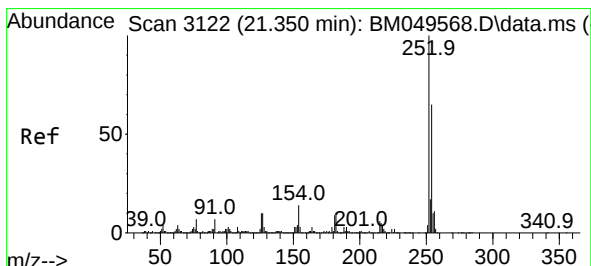
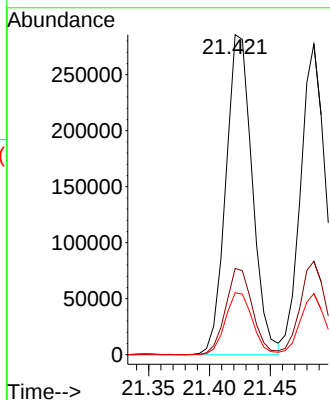
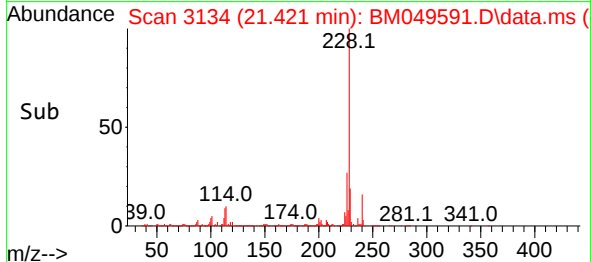
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:228 Resp: 43246
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.3 15.7 23.5

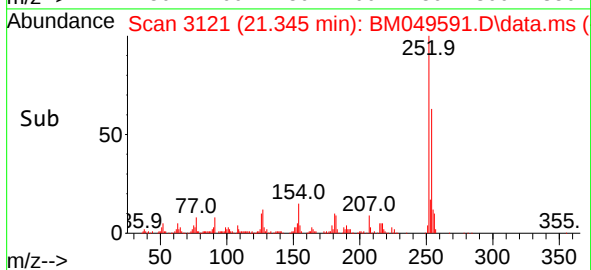
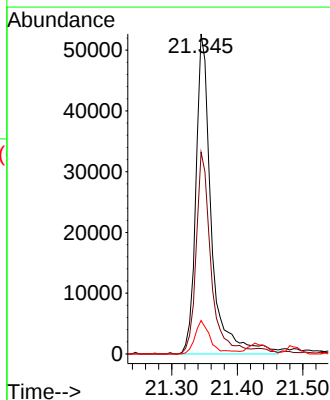
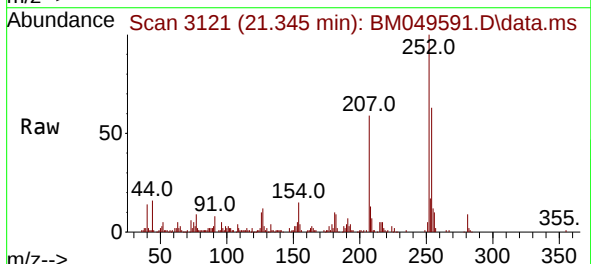
Manual Integrations
APPROVED

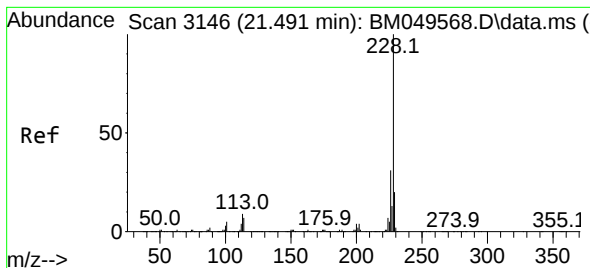
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#82
3,3'-Dichlorobenzidine
Concen: 6.541 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:252 Resp: 86811
Ion Ratio Lower Upper
252 100
254 63.0 52.1 78.1
126 10.5 7.8 11.6





#83

Chrysene

Concen: 8.904 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049591.D

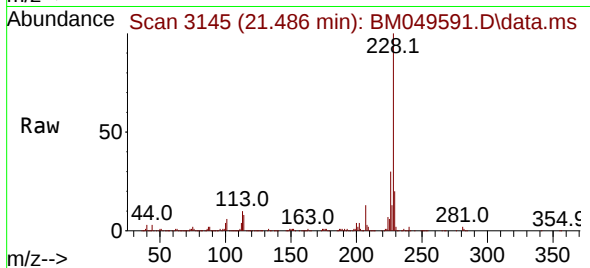
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



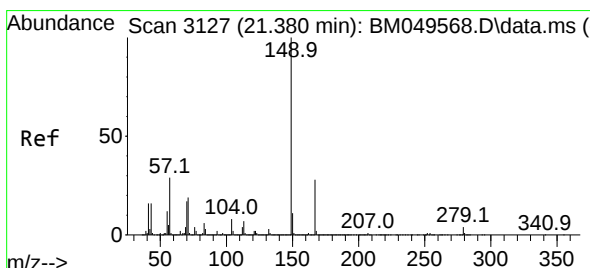
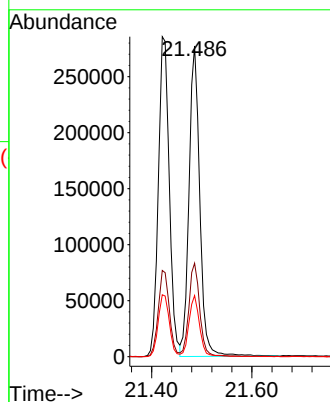
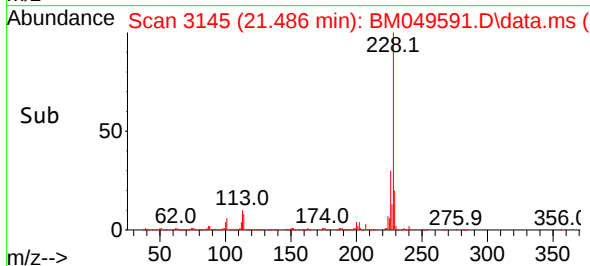
Tgt Ion:228 Resp: 411420

Ion	Ratio	Lower	Upper
228	100		
226	30.1	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: 5.518 ng

RT: 21.380 min Scan# 3127

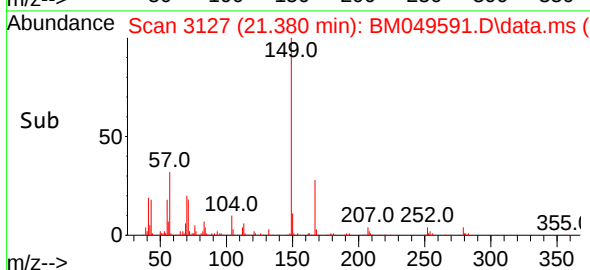
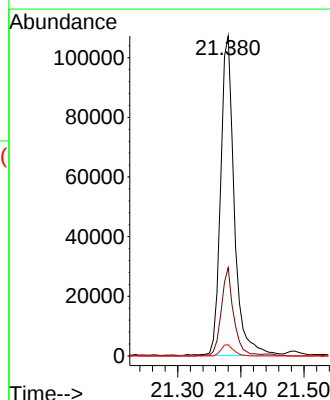
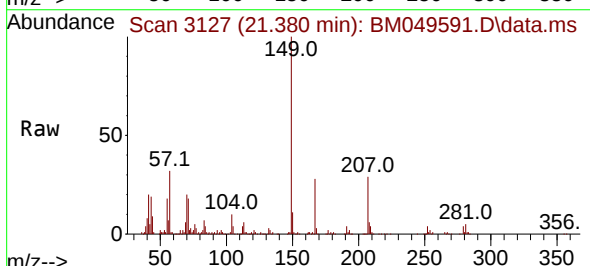
Delta R.T. 0.000 min

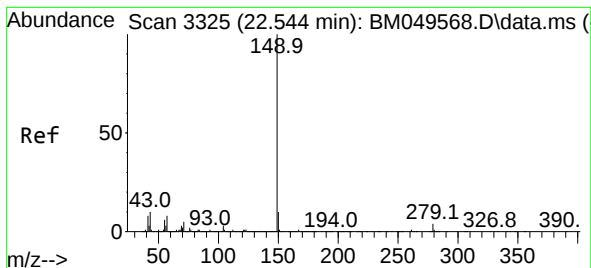
Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:149 Resp: 160381

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.5	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 4.305 ng

RT: 22.533 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049591.D

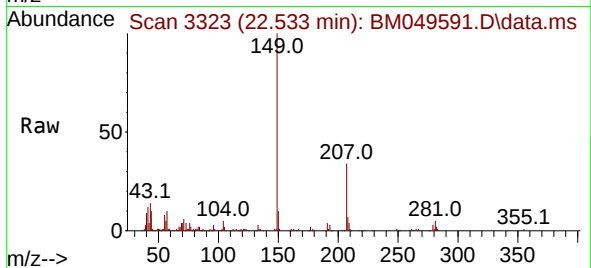
Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:149 Resp: 197430

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

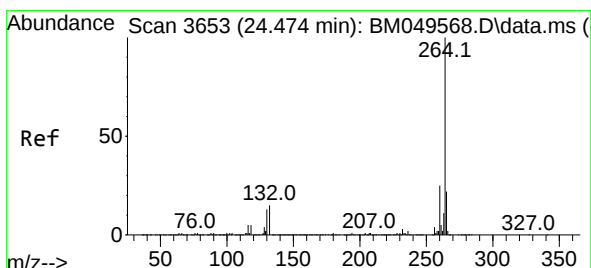
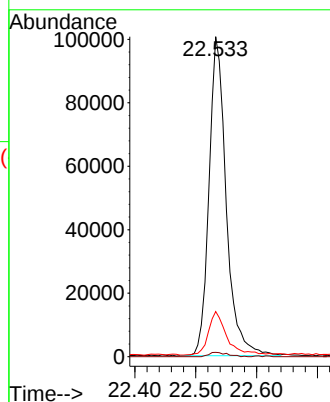
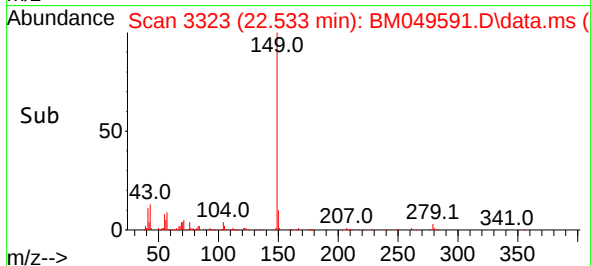
43 14.7 8.5 12.7

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: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

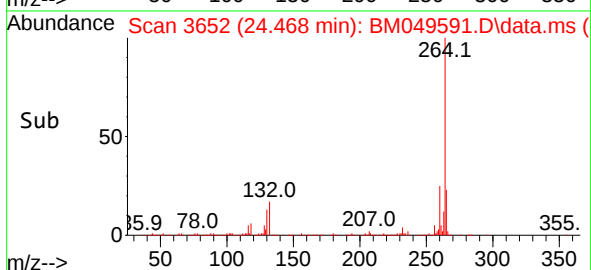
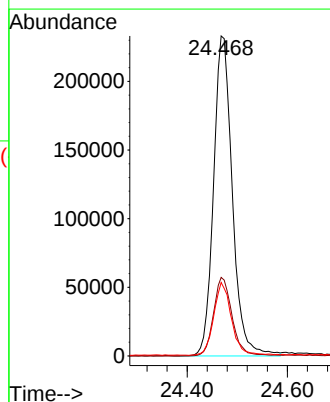
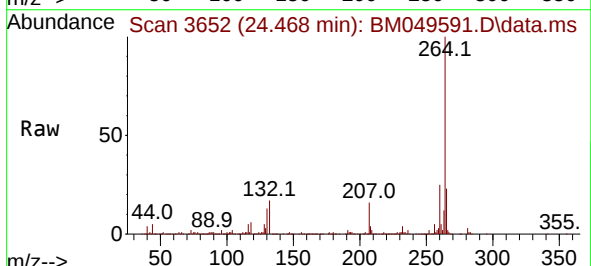
Tgt Ion:264 Resp: 606657

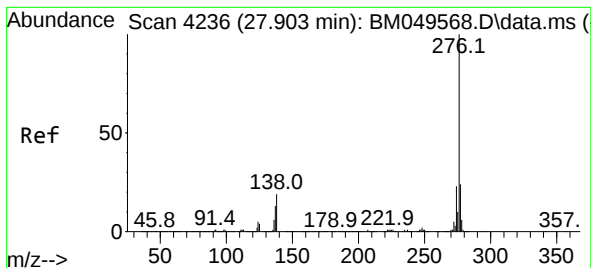
Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 23.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.872 ng

RT: 27.891 min Scan# 4236

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

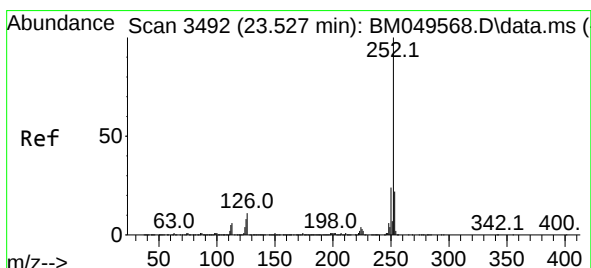
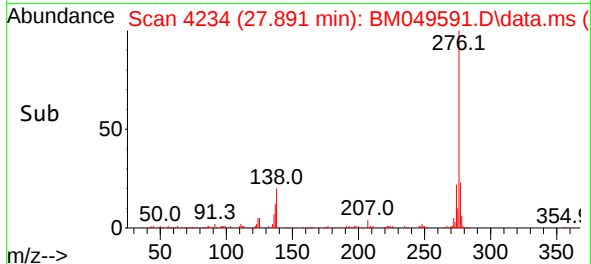
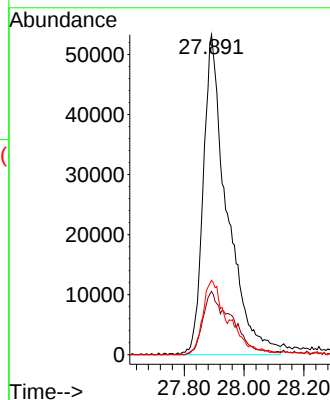
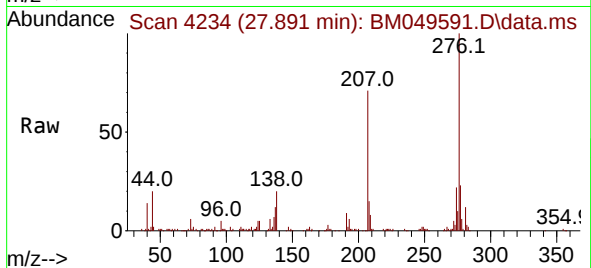
Tgt Ion: 276 Resp: 29394

Ion	Ratio	Lower	Upper
276	100		
138	23.4	13.1	19.7
277	18.4	19.9	29.9

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 8.159 ng m

RT: 23.515 min Scan# 3490

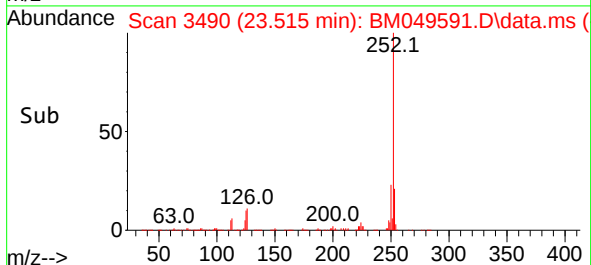
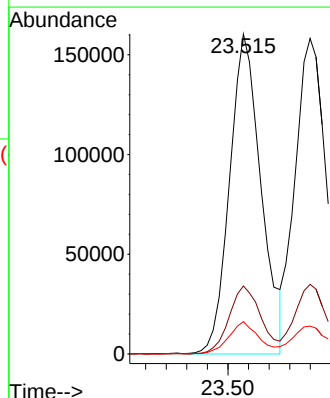
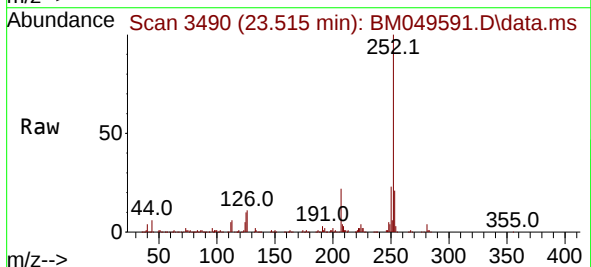
Delta R.T. -0.012 min

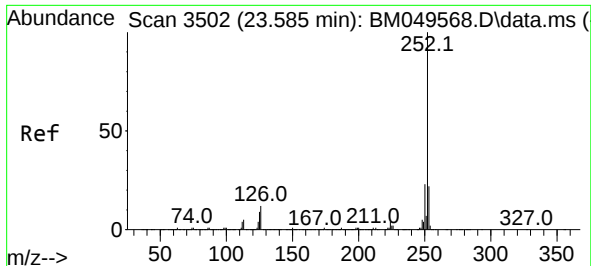
Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion: 252 Resp: 340499

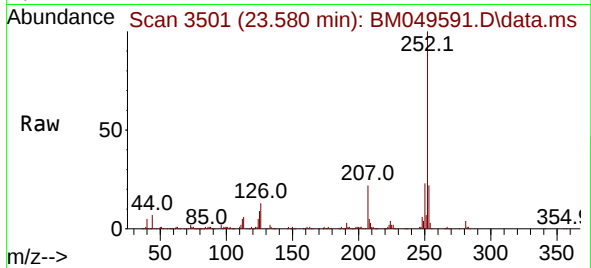
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	10.1	6.6	10.0





#89
Benzo(k)fluoranthene
Concen: 8.395 ng
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

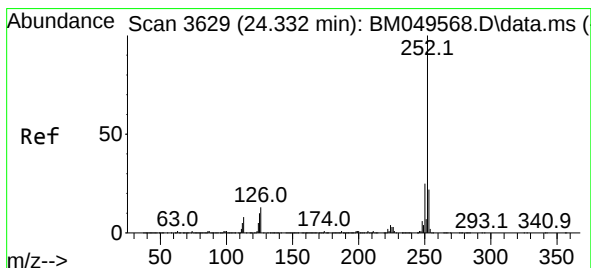
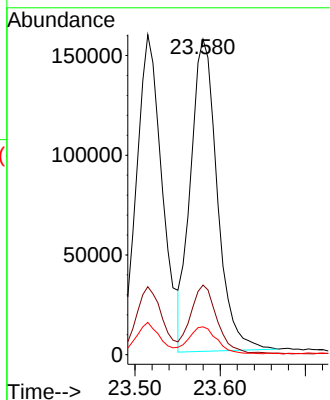
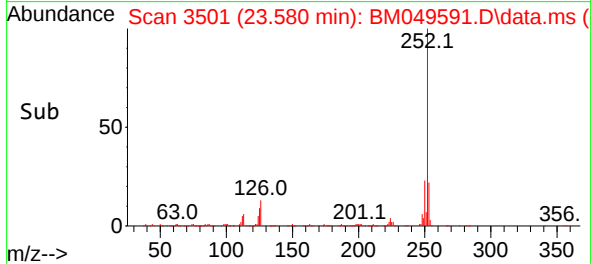
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:252 Resp: 34028
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 8.8 7.0 10.6

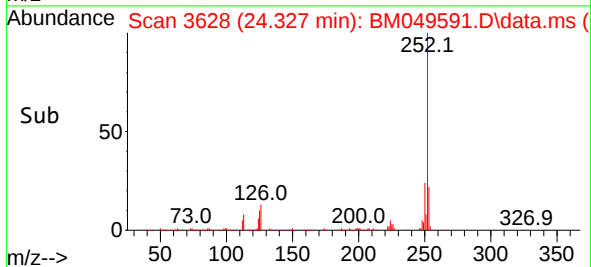
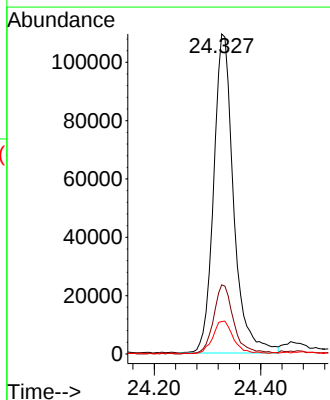
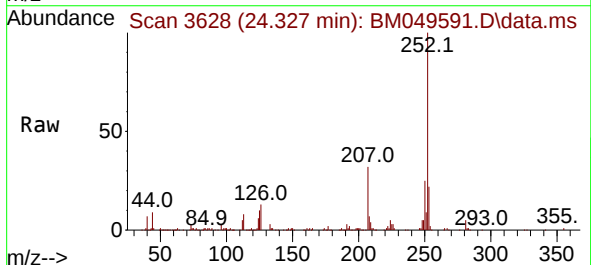
Manual Integrations
APPROVED

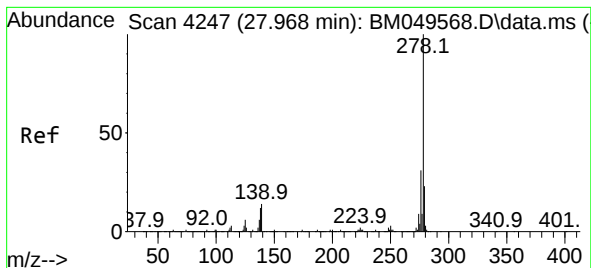
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#90
Benzo(a)pyrene
Concen: 8.589 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049591.D
Acq: 06 Feb 2025 22:55

Tgt Ion:252 Resp: 284064
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 8.520 ng

RT: 27.956 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Instrument :

BNA_M

ClientSampleId :

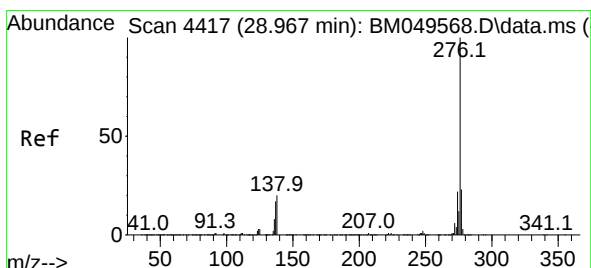
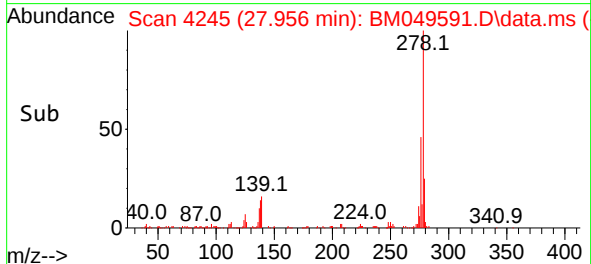
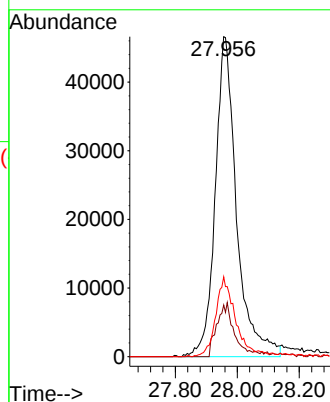
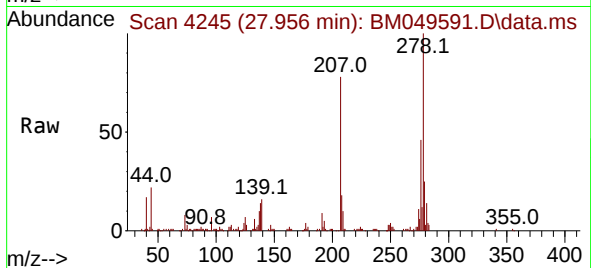
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:278 Resp: 22308
 Ion Ratio Lower Upper
 278 100
 139 16.1 11.5 17.3
 279 24.9 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: 8.486 ng

RT: 28.944 min Scan# 4413

Delta R.T. -0.023 min

Lab File: BM049591.D

Acq: 06 Feb 2025 22:55

Tgt Ion:276 Resp: 248224
 Ion Ratio Lower Upper
 276 100
 277 22.5 18.7 28.1
 138 19.3 16.0 24.0

