

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
 Data File : BM048235.D
 Acq On : 25 Oct 2024 14:17
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-4 ng
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 25 15:37:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/28/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	304315	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1250763	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	802338	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1572652	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1387154	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1501452	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1913150	105.677	ng	0.00
7) Phenol-d6	6.898	99	2538629	107.674	ng	0.00
23) Nitrobenzene-d5	8.875	82	1658884	74.887	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	1014740	103.327	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	3707324	70.904	ng	0.00
79) Terphenyl-d14	19.733	244	4430772	65.184	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	26656	3.597	ng	97
3) Pyridine	3.616	79	57541	2.923	ng	# 95
4) n-Nitrosodimethylamine	3.516	42	29298	3.505	ng	# 87
6) Aniline	7.051	93	86774	4.434	ng	97
8) 2-Chlorophenol	7.287	128	72192	3.670	ng	97
9) Benzaldehyde	6.857	77	59619m	5.147	ng	
10) Phenol	6.922	94	85583	3.608	ng	89
11) bis(2-Chloroethyl)ether	7.145	93	71003	3.758	ng	100
12) 1,3-Dichlorobenzene	7.604	146	81047	3.574	ng	98
13) 1,4-Dichlorobenzene	7.751	146	81984	3.559	ng	100
14) 1,2-Dichlorobenzene	8.069	146	78643	3.532	ng	97
15) Benzyl Alcohol	7.963	79	51619	3.432	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.239	45	107062	3.874	ng	98
17) 2-Methylphenol	8.169	107	51159	3.246	ng	97
18) Hexachloroethane	8.792	117	29190	3.457	ng	96
19) n-Nitroso-di-n-propyla...	8.522	70	51128	3.428	ng	97
20) 3+4-Methylphenols	8.498	107	68064	3.117	ng	96
22) Acetophenone	8.539	105	107919	3.535	ng	# 98
24) Nitrobenzene	8.916	77	83611	3.643	ng	96
25) Isophorone	9.445	82	133834	3.296	ng	99
26) 2-Nitrophenol	9.628	139	30918	2.917	ng	94
27) 2,4-Dimethylphenol	9.698	122	27022	2.102	ng	94
28) bis(2-Chloroethoxy)met...	9.922	93	85355	3.322	ng	97
29) 2,4-Dichlorophenol	10.175	162	56626	3.062	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	73285	3.460	ng	99
31) Naphthalene	10.557	128	225686	3.460	ng	99
32) Benzoic acid	9.781	122	22589	1.578	ng	97
33) 4-Chloroaniline	10.680	127	72734	3.438	ng	97
34) Hexachlorobutadiene	10.845	225	44086	3.358	ng	100
35) Caprolactam	11.457	113	15800	2.630	ng	95
36) 4-Chloro-3-methylphenol	11.810	107	56709	2.937	ng	94
37) 2-Methylnaphthalene	12.174	142	145641	3.341	ng	98
38) 1-Methylnaphthalene	12.392	142	139971	3.239	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	78559	3.426	ng	98
41) Hexachlorocyclopentadiene	12.527	237	13935	1.796	ng	97
43) 2,4,6-Trichlorophenol	12.792	196	45242	2.973	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.874	196	50270	2.962	ng	96
46) 1,1'-Biphenyl	13.192	154	206192	3.599	ng	98
47) 2-Chloronaphthalene	13.233	162	149411	3.308	ng	98
48) 2-Nitroaniline	13.445	65	33644	2.746	ng	91
49) Acenaphthylene	14.080	152	228738	3.471	ng	100
50) Dimethylphthalate	13.821	163	178689	3.262	ng	99
51) 2,6-Dinitrotoluene	13.939	165	34974	2.862	ng	90
52) Acenaphthene	14.427	154	140453	3.354	ng	99
53) 3-Nitroaniline	14.280	138	29932	2.597	ng	# 92
54) 2,4-Dinitrophenol	14.492	184	11920	1.669	ng	97
55) Dibenzofuran	14.763	168	229366	3.448	ng	100
56) 4-Nitrophenol	14.610	139	19469	1.893	ng	# 83
57) 2,4-Dinitrotoluene	14.739	165	41191	2.552	ng	94
58) Fluorene	15.410	166	176864	3.362	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.992	232	45618	3.243	ng	99
60) Diethylphthalate	15.186	149	173897	3.136	ng	98
61) 4-Chlorophenyl-phenyle...	15.404	204	89704	3.411	ng	97
62) 4-Nitroaniline	15.439	138	26982	2.262	ng	92
63) Azobenzene	15.698	77	157880	3.176	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	18982	2.080	ng	91
66) n-Nitrosodiphenylamine	15.621	169	142186	3.293	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	52568	3.297	ng	96
68) Hexachlorobenzene	16.415	284	64305	3.358	ng	99
69) Atrazine	16.574	200	47714	3.950	ng	98
70) Pentachlorophenol	16.768	266	32464	2.582	ng	97
71) Phenanthrene	17.145	178	274126	3.520	ng	99
72) Anthracene	17.239	178	245854	3.261	ng	100
73) Carbazole	17.515	167	227146	3.074	ng	98
74) Di-n-butylphthalate	18.074	149	270595	2.942	ng	99
75) Fluoranthene	19.162	202	292084	3.144	ng	99
77) Benzidine	19.356	184	36772	2.297	ng	# 94
78) Pyrene	19.527	202	306418	3.300	ng	99
80) Butylbenzylphthalate	20.421	149	106343	2.739	ng	93
81) Benzo(a)anthracene	21.309	228	299845	3.383	ng	100
82) 3,3'-Dichlorobenzidine	21.244	252	87910	2.895	ng	95
83) Chrysene	21.374	228	291311	3.424	ng	99
84) Bis(2-ethylhexyl)phtha...	21.233	149	159647	2.829	ng	99
85) Di-n-octyl phthalate	22.344	149	235728	2.412	ng	# 94
87) Indeno(1,2,3-cd)pyrene	27.597	276	327561	3.299	ng	99
88) Benzo(b)fluoranthene	23.344	252	280420	3.257	ng	99
89) Benzo(k)fluoranthene	23.409	252	281963	3.388	ng	99
90) Benzo(a)pyrene	24.138	252	247747	3.310	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	267676	3.237	ng	97
92) Benzo(g,h,i)perylene	28.632	276	256082	3.025	ng	100

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

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BNA_M

ClientSampleId :

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Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024

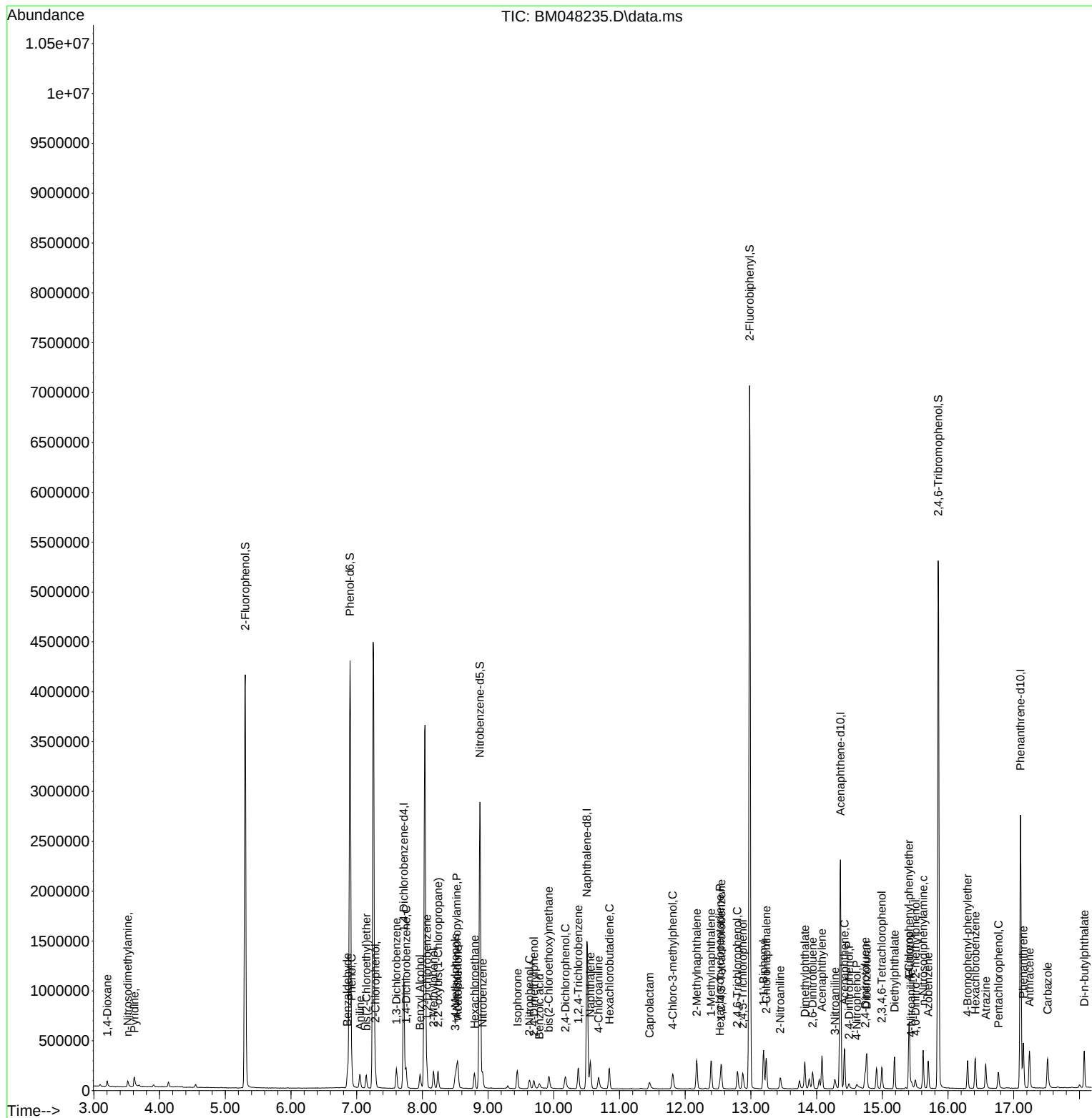
Quant Time: Oct 25 15:37:43 2024

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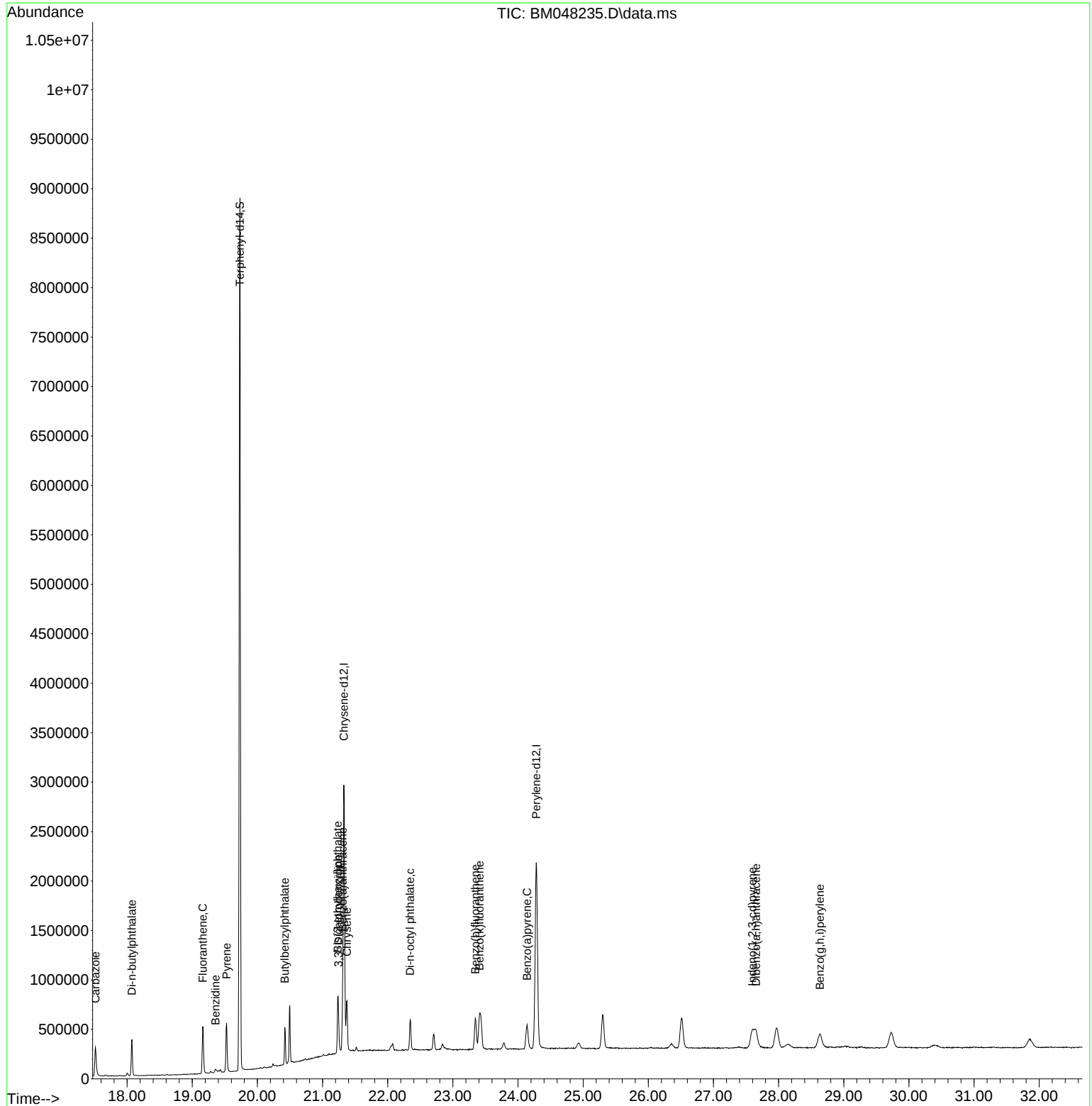
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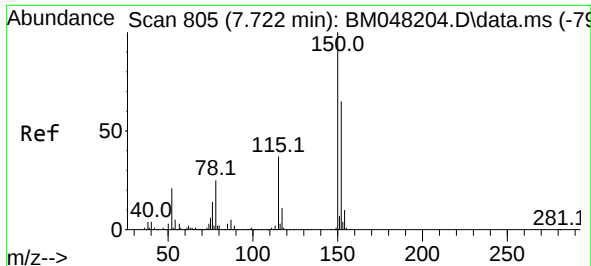
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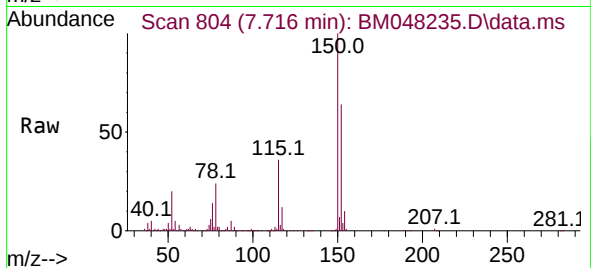
Reviewed By :Yogesh Patel 10/25/2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048235.D
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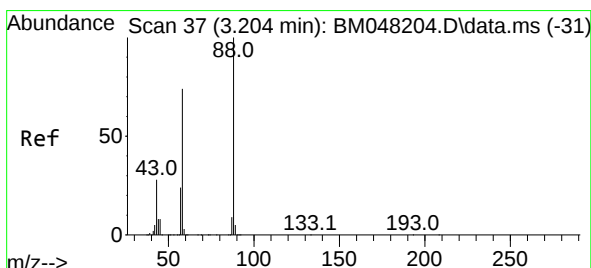
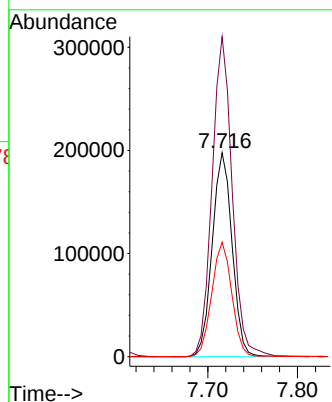
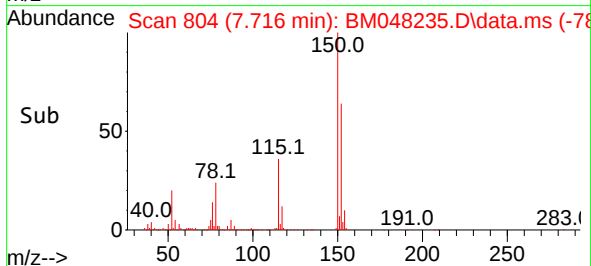
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:152 Resp: 30431
Ion Ratio Lower Upper
152 100
150 156.8 123.0 184.6
115 56.0 45.8 68.6

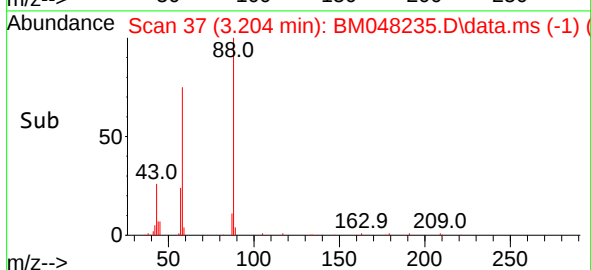
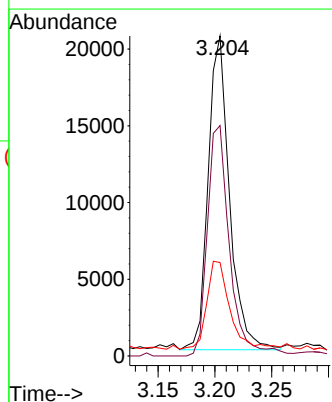
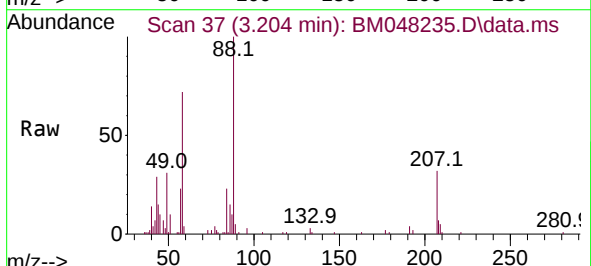
Manual Integrations
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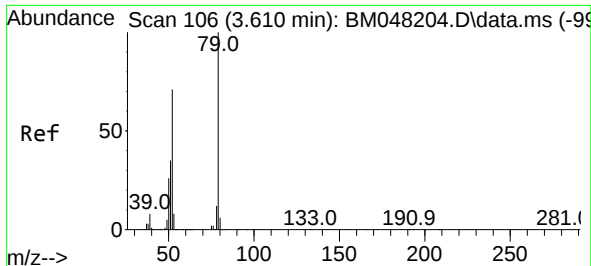
Reviewed By :Yogesh Patel 10/25/2024
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#2
1,4-Dioxane
Concen: 3.597 ng
RT: 3.204 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

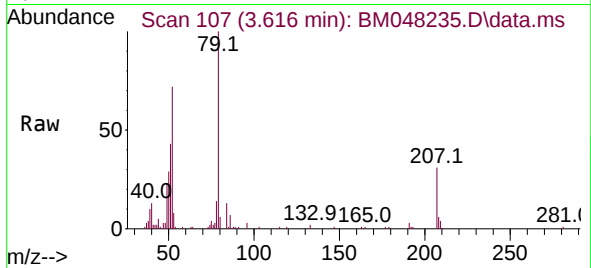
Tgt Ion: 88 Resp: 26656
Ion Ratio Lower Upper
88 100
58 76.7 59.7 89.5
43 31.2 22.6 33.8





#3
Pyridine
Concen: 2.923 ng
RT: 3.616 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

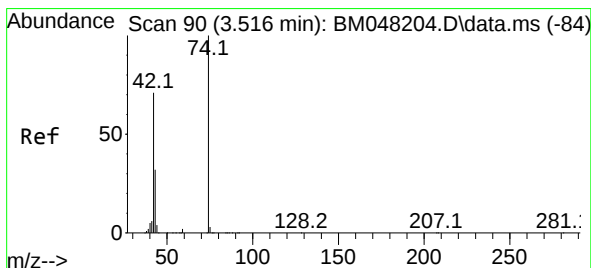
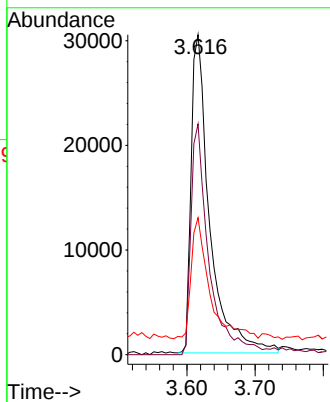
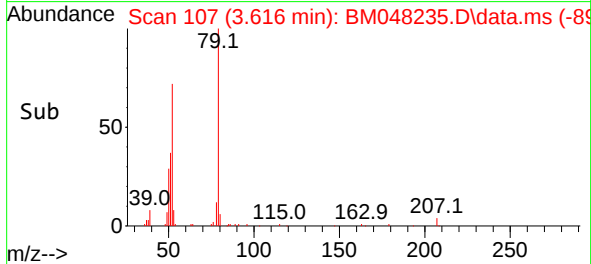
Instrument :
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Tgt Ion: 79 Resp: 5754
Ion Ratio Lower Upper
79 100
52 72.1 56.5 84.7
51 42.8 28.5 42.7

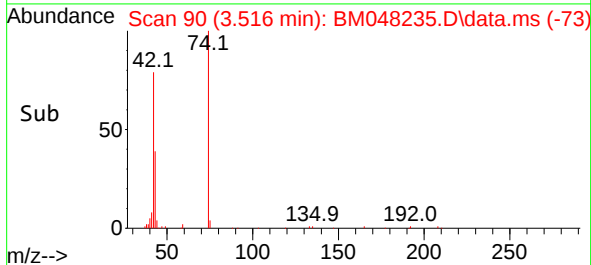
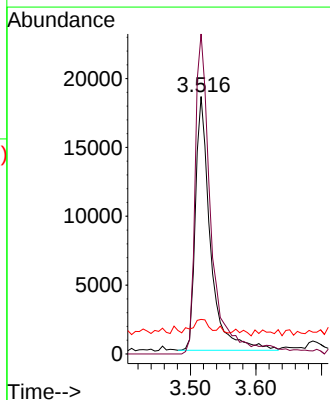
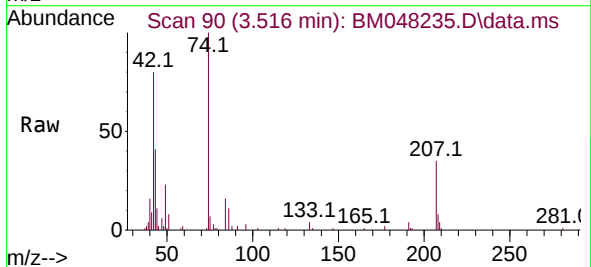
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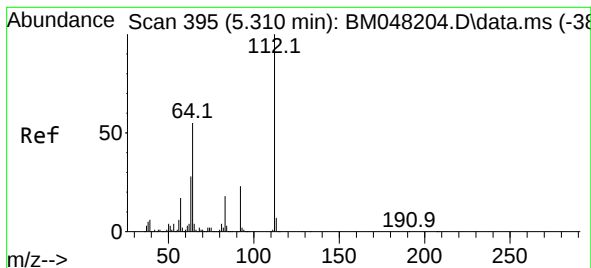
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#4
n-Nitrosodimethylamine
Concen: 3.505 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion: 42 Resp: 29298
Ion Ratio Lower Upper
42 100
74 124.3 111.8 167.6
44 13.4 6.0 9.0





#5

2-Fluorophenol

Concen: 105.677 ng

RT: 5.304 min Scan# 395

Delta R.T. -0.006 min

Lab File: BM048235.D

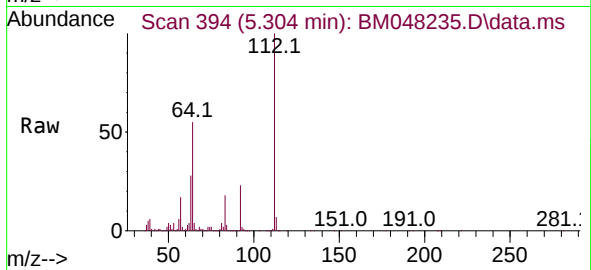
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion: 112 Resp: 1913150

Ion Ratio Lower Upper

112 100

64 55.1 44.2 66.2

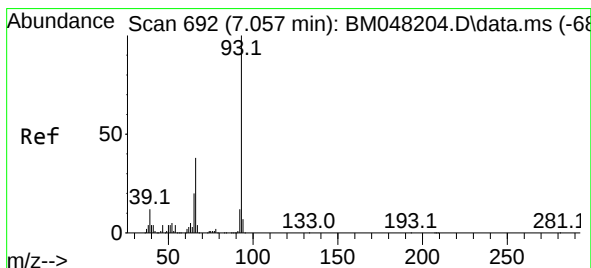
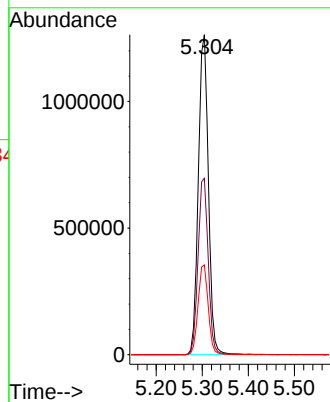
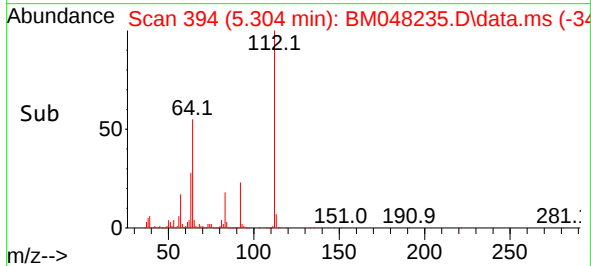
63 28.0 22.7 34.1

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#6

Aniline

Concen: 4.434 ng

RT: 7.051 min Scan# 691

Delta R.T. -0.006 min

Lab File: BM048235.D

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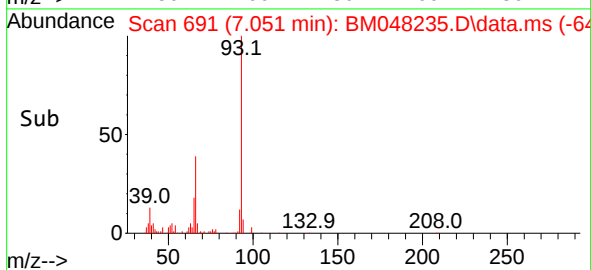
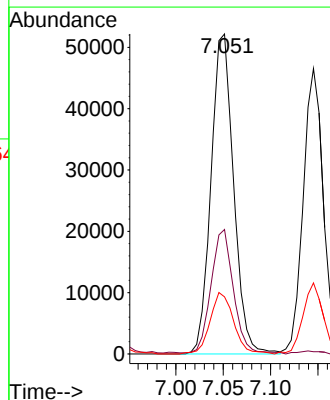
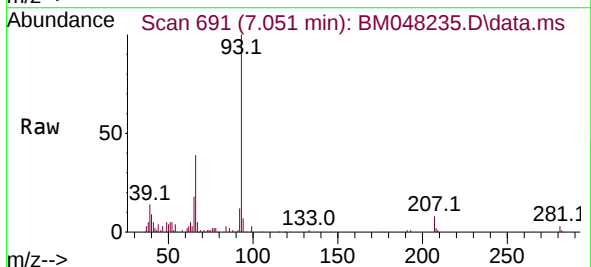
Tgt Ion: 93 Resp: 86774

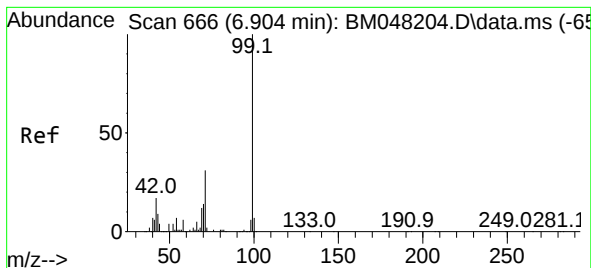
Ion Ratio Lower Upper

93 100

66 38.9 30.2 45.2

65 17.9 16.2 24.2





#7

Phenol-d6

Concen: 107.674 ng

RT: 6.898 min Scan# 60

Delta R.T. -0.006 min

Lab File: BM048235.D

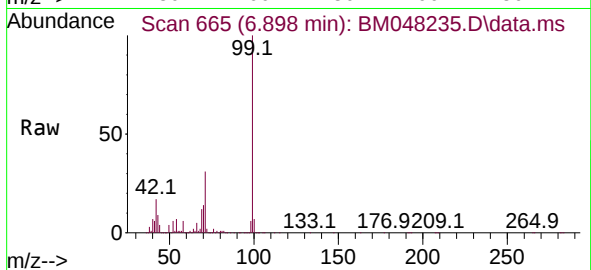
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Tgt Ion: 99 Resp: 2538629

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.8

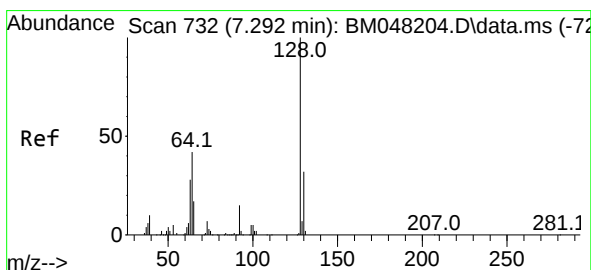
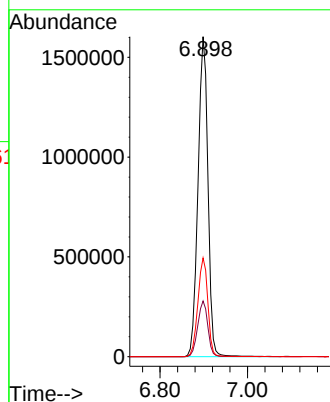
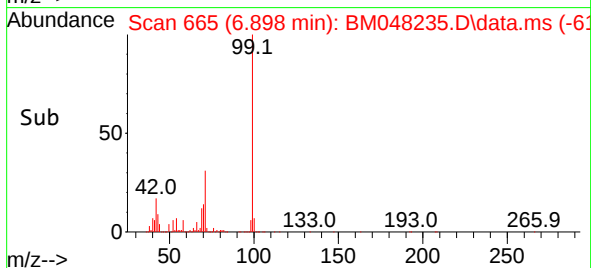
71 30.8 24.9 37.3

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#8

2-Chlorophenol

Concen: 3.670 ng

RT: 7.287 min Scan# 731

Delta R.T. -0.006 min

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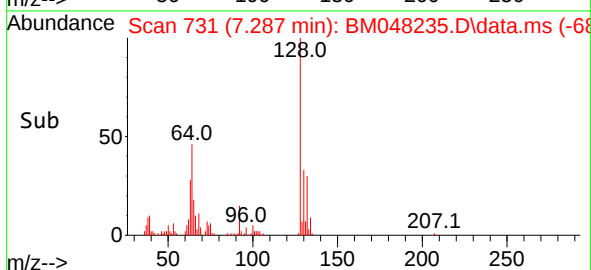
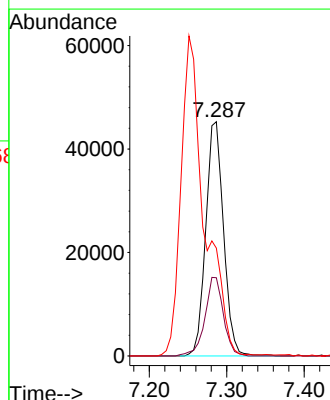
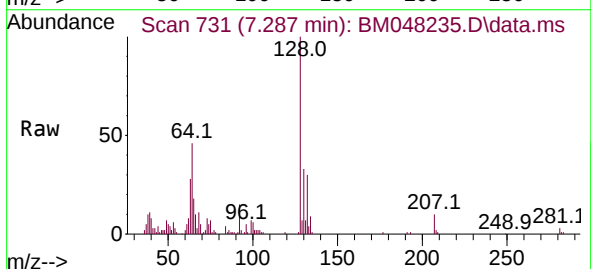
Tgt Ion:128 Resp: 72192

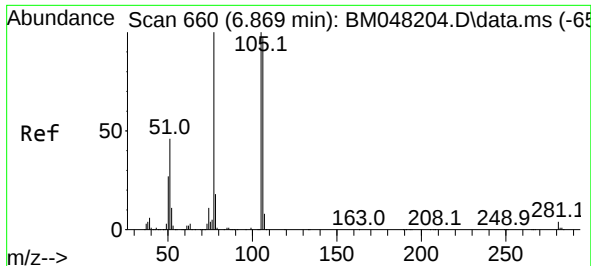
Ion Ratio Lower Upper

128 100

130 33.4 12.1 52.1

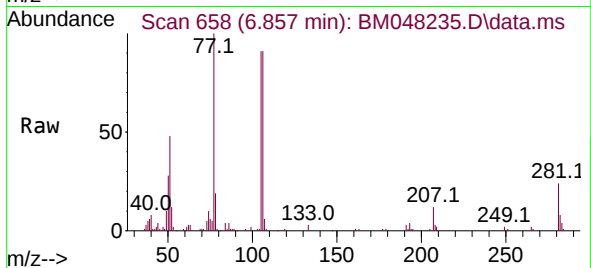
64 46.0 23.8 63.8





#9
Benzaldehyde
Concen: 5.147 ng m
RT: 6.857 min Scan# 660
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

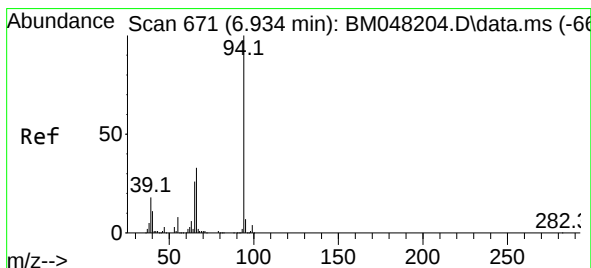
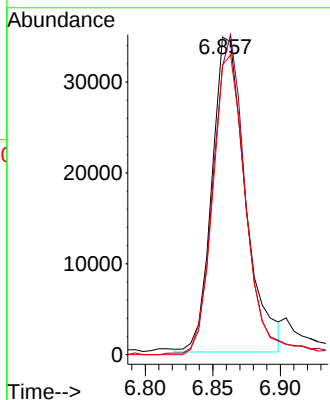
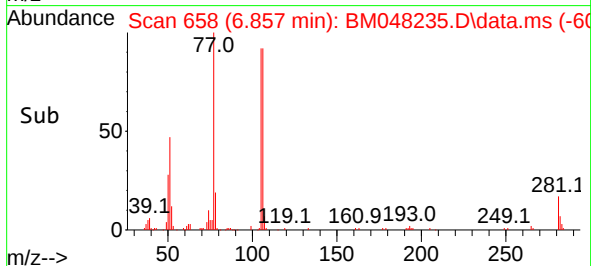
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 77 Resp: 59619
Ion Ratio Lower Upper
77 100
105 90.8 79.6 119.6
106 91.2 77.0 117.0

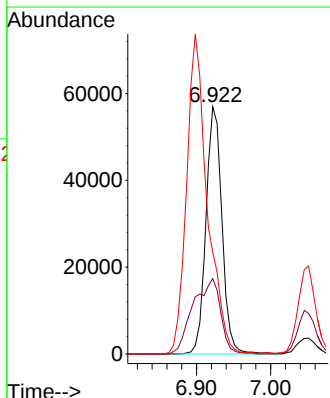
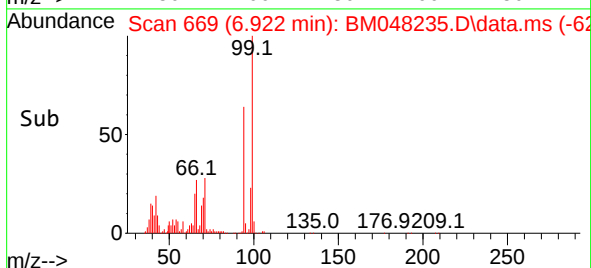
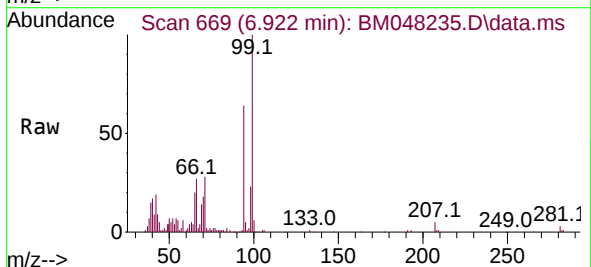
Manual Integrations
APPROVED

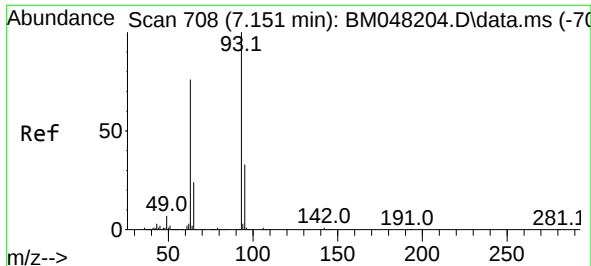
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#10
Phenol
Concen: 3.608 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

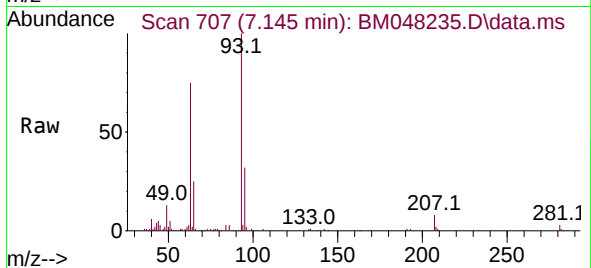
Tgt Ion: 94 Resp: 85583
Ion Ratio Lower Upper
94 100
65 30.5 6.5 46.5
66 41.3 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 3.758 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

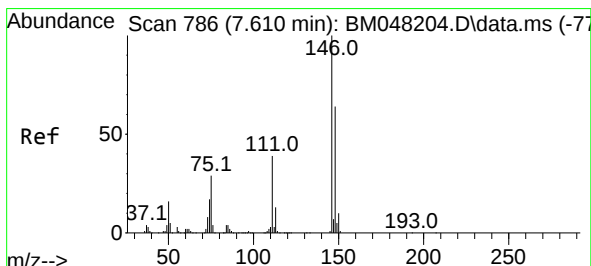
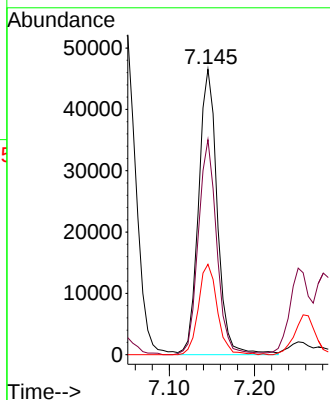
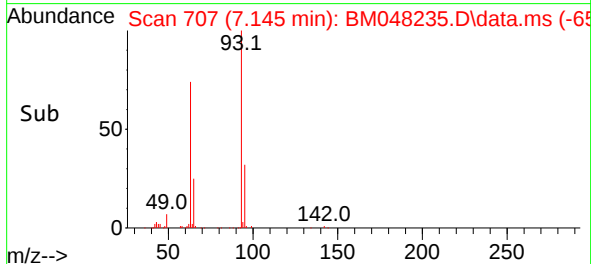
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 93 Resp: 71000
Ion Ratio Lower Upper
93 100
63 75.3 55.3 95.3
95 31.7 12.4 52.4

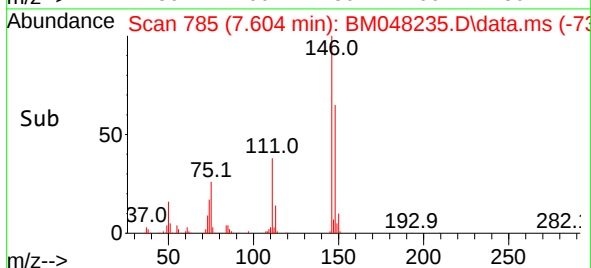
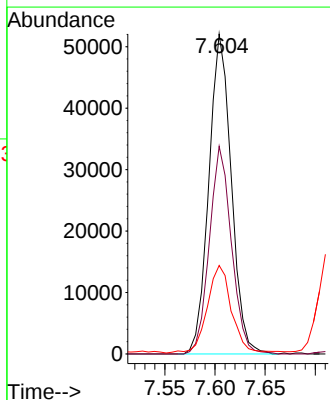
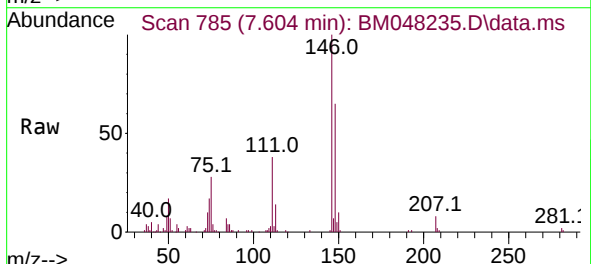
Manual Integrations
APPROVED

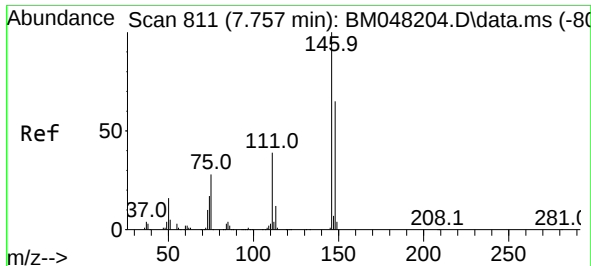
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#12
1,3-Dichlorobenzene
Concen: 3.574 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:146 Resp: 81047
Ion Ratio Lower Upper
146 100
148 64.9 51.0 76.6
75 27.7 22.9 34.3





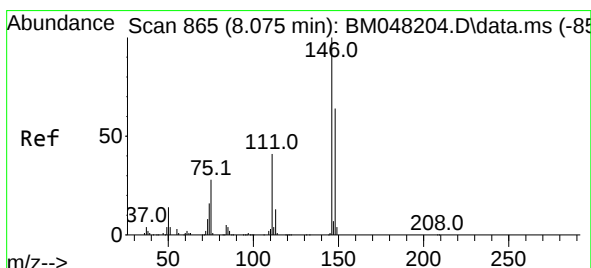
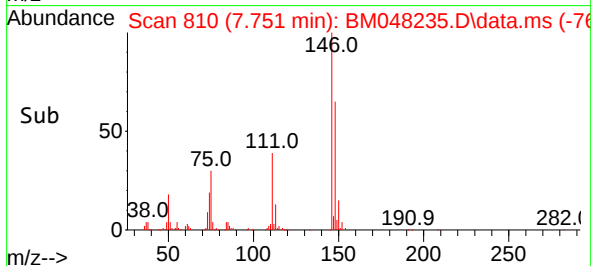
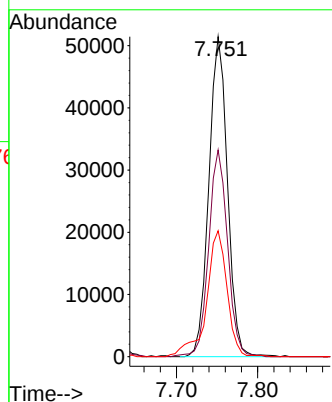
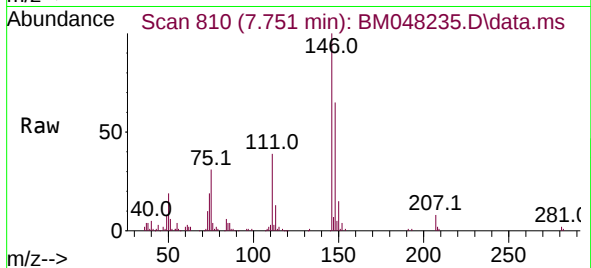
#13
1,4-Dichlorobenzene
Concen: 3.559 ng
RT: 7.751 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:146 Resp: 81984
Ion Ratio Lower Upper
146 100
148 64.6 51.7 77.5
111 39.4 31.4 47.2

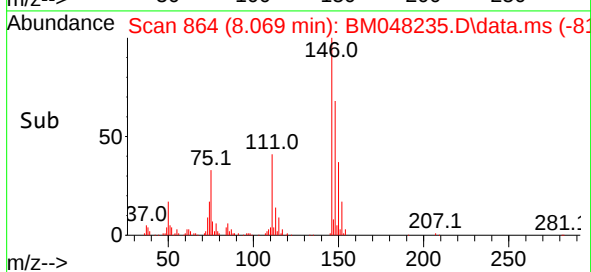
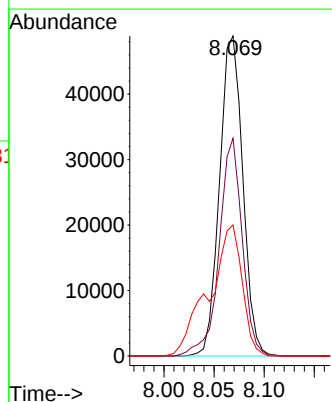
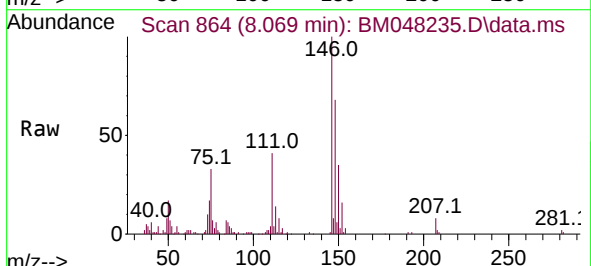
Manual Integrations
APPROVED

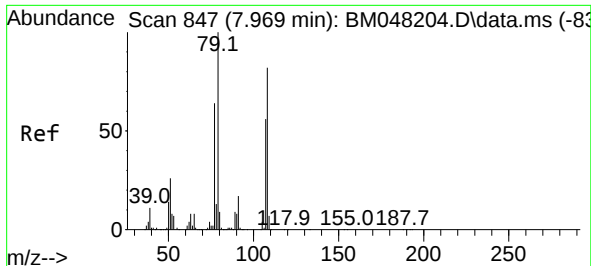
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#14
1,2-Dichlorobenzene
Concen: 3.532 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:146 Resp: 78643
Ion Ratio Lower Upper
146 100
148 68.0 51.3 76.9
111 40.9 32.7 49.1





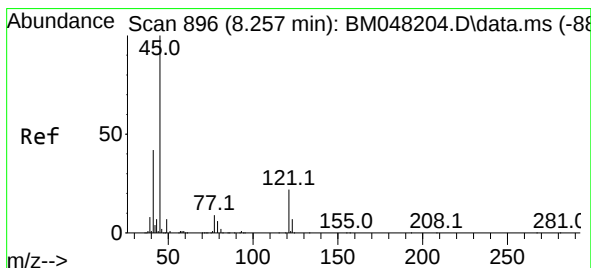
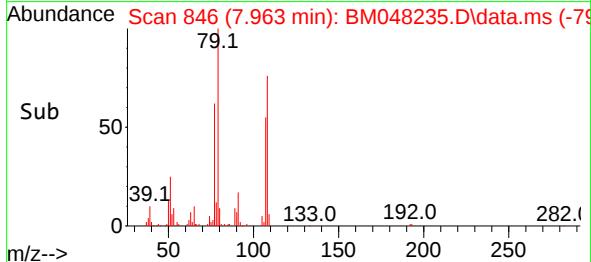
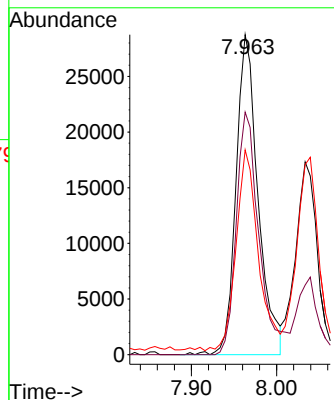
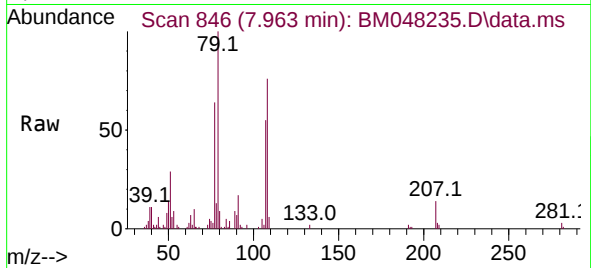
#15
Benzyl Alcohol
Concen: 3.432 ng
RT: 7.963 min Scan# 847
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 51619
Ion Ratio Lower Upper
79 100
108 75.8 65.2 97.8
77 64.0 51.4 77.2

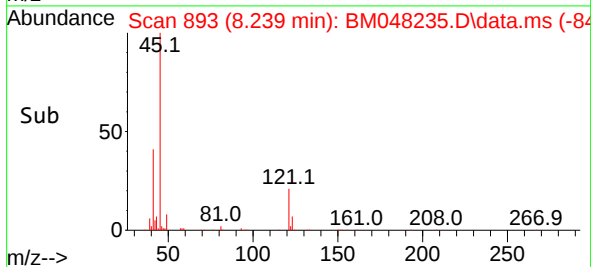
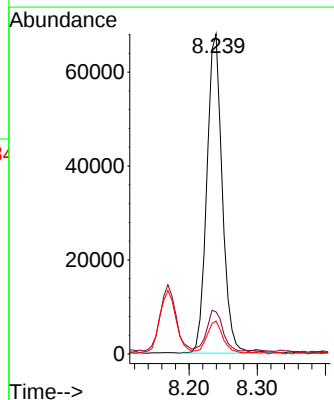
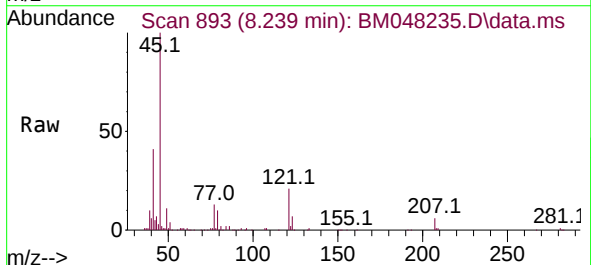
Manual Integrations
APPROVED

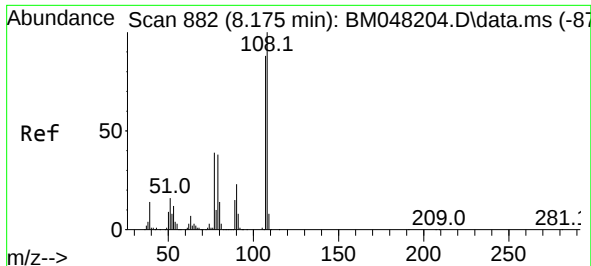
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.874 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

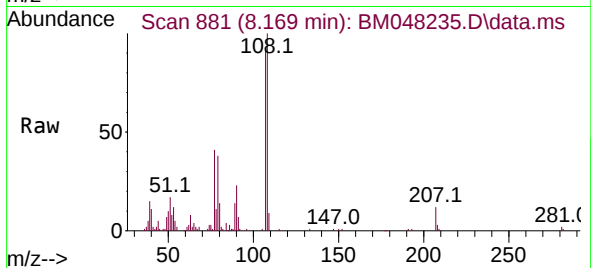
Tgt Ion: 45 Resp: 107062
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.2
79 10.3 0.0 30.7





#17
2-Methylphenol
Concen: 3.246 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

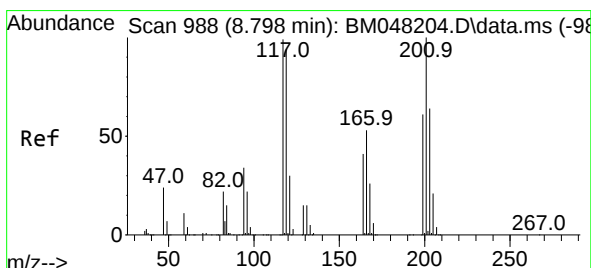
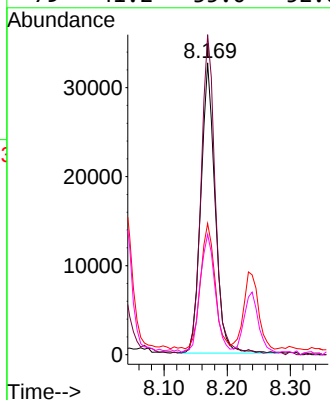
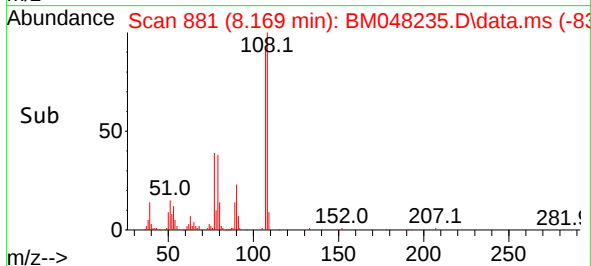
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:	107	Resp:	5115
Ion	Ratio	Lower	Upper
107	100		
108	109.7	91.3	136.9
77	45.0	36.2	54.2
79	41.2	35.0	52.6

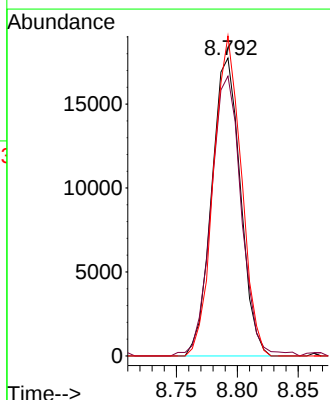
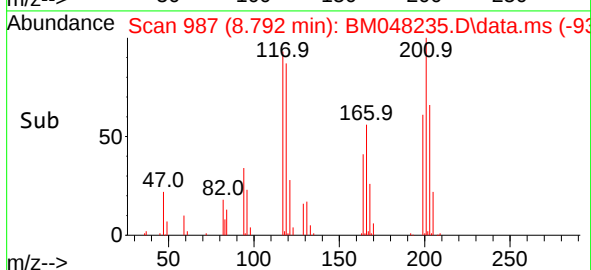
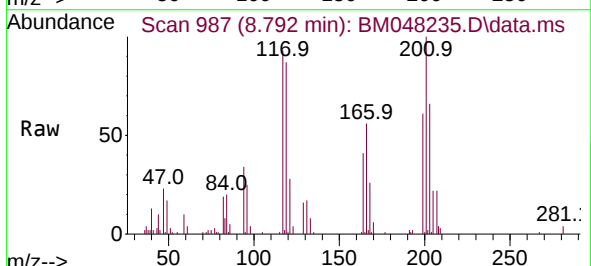
Manual Integrations
APPROVED

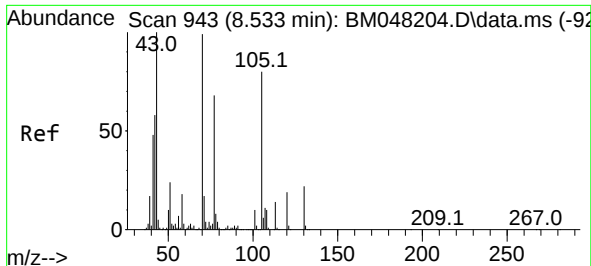
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#18
Hexachloroethane
Concen: 3.457 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

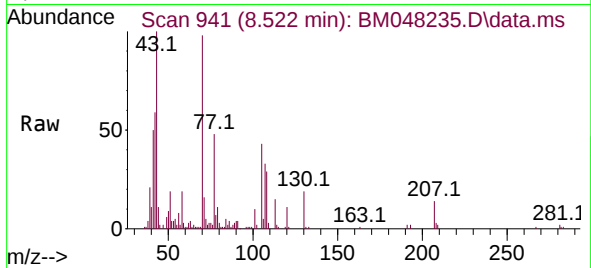
Tgt Ion:	117	Resp:	29190
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.5	114.7
201	107.4	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 3.428 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

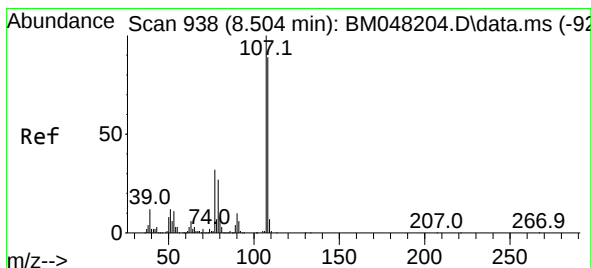
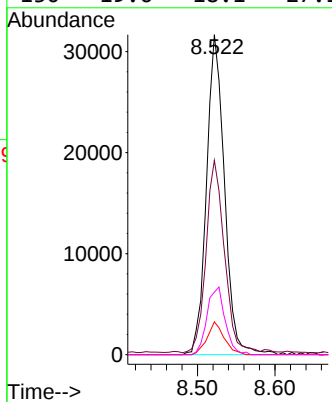
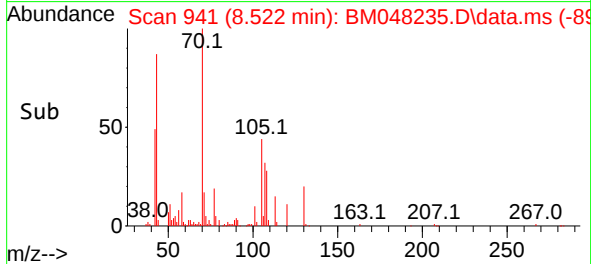
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



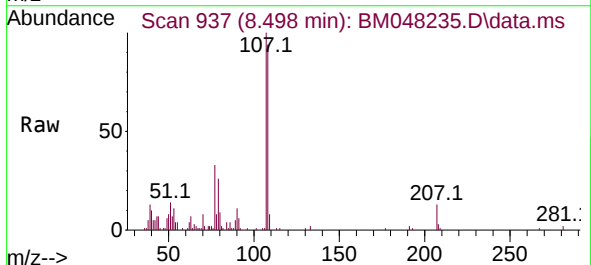
Tgt Ion: 70 Resp: 51128
Ion Ratio Lower Upper
70 100
42 60.8 47.0 70.6
101 10.3 7.8 11.6
130 19.6 18.1 27.1

Manual Integrations
APPROVED

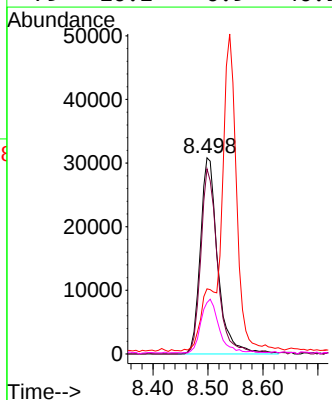
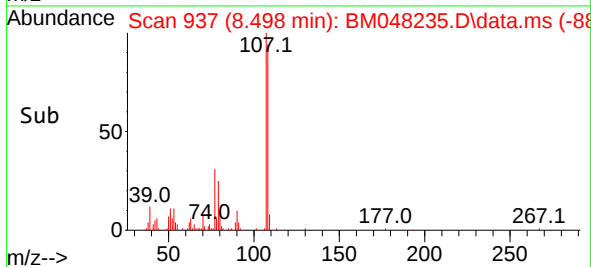
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

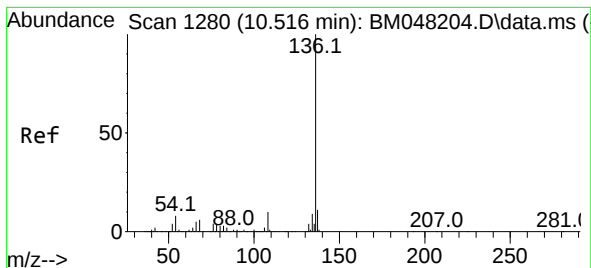


#20
3+4-Methylphenols
Concen: 3.117 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



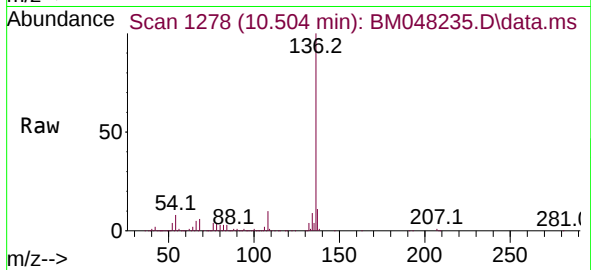
Tgt Ion:107 Resp: 68064
Ion Ratio Lower Upper
107 100
108 94.4 69.0 109.0
77 33.2 12.3 52.3
79 26.2 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

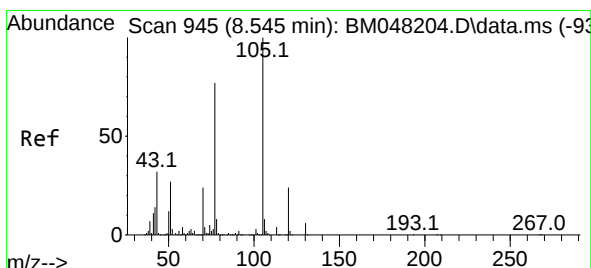
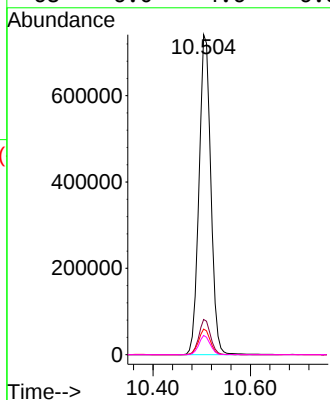
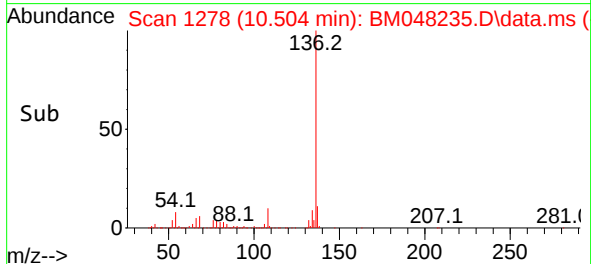
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:136 Resp: 125076
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.0 6.5 9.7
68 6.0 4.6 6.8

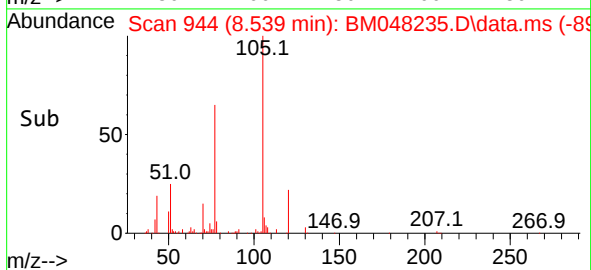
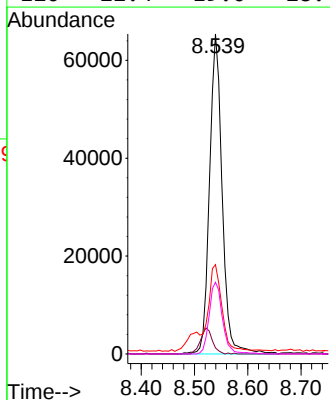
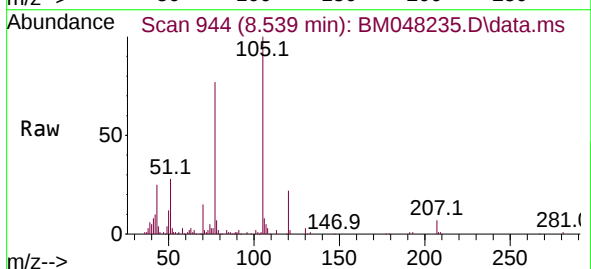
Manual Integrations
APPROVED

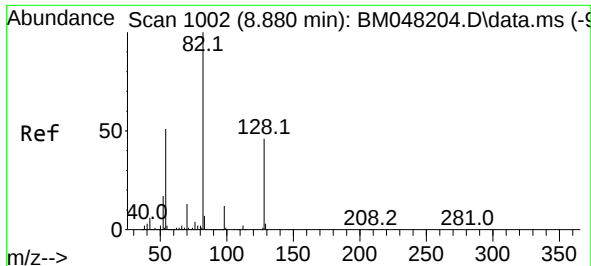
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#22
Acetophenone
Concen: 3.535 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

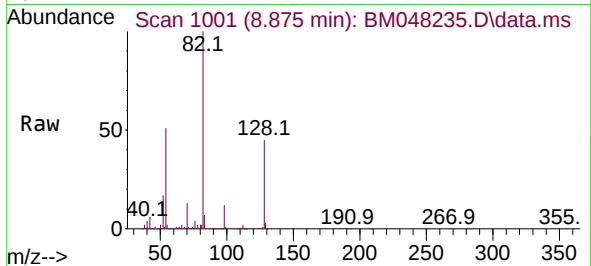
Tgt Ion:105 Resp: 107919
Ion Ratio Lower Upper
105 100
71 1.9 3.4 5.0#
51 27.9 21.7 32.5
120 22.4 19.0 28.4





#23
Nitrobenzene-d5
Concen: 74.887 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

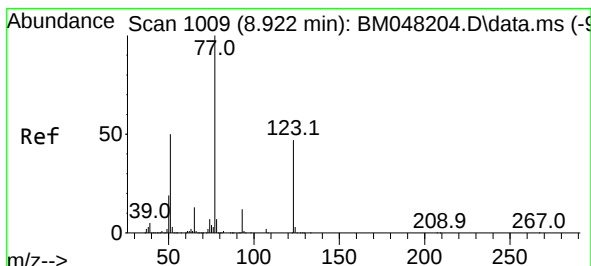
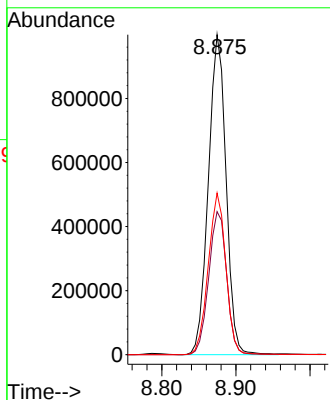
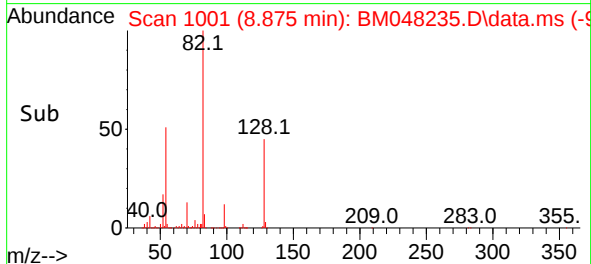
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



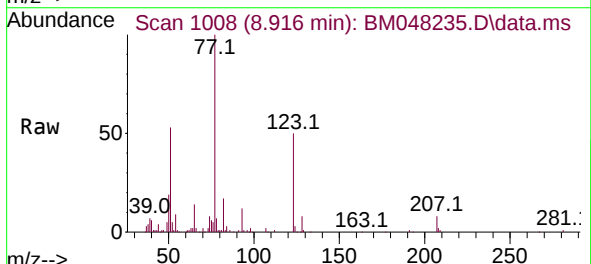
Tgt Ion: 82 Resp: 1658884
Ion Ratio Lower Upper
82 100
128 44.7 36.6 54.8
54 50.5 41.0 61.4

Manual Integrations
APPROVED

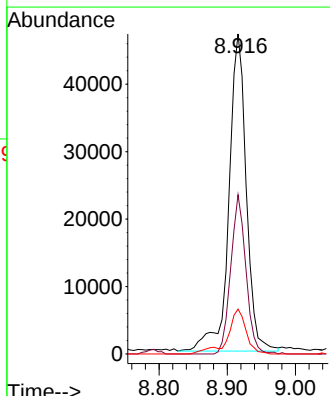
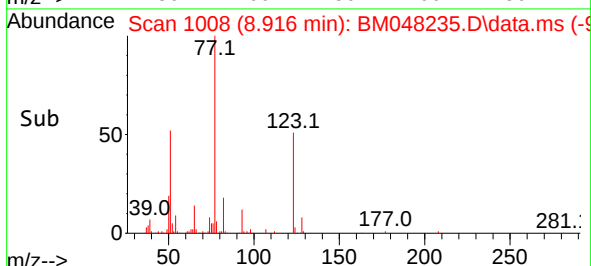
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

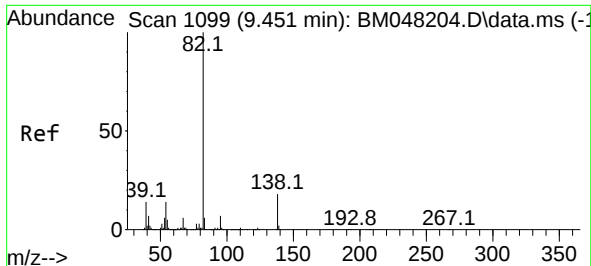


#24
Nitrobenzene
Concen: 3.643 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



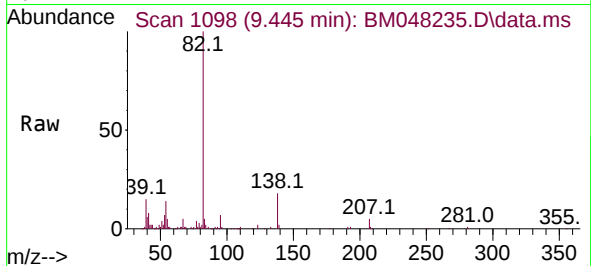
Tgt Ion: 77 Resp: 83611
Ion Ratio Lower Upper
77 100
123 49.8 37.8 56.6
65 14.0 10.4 15.6





#25
Isophorone
Concen: 3.296 ng
RT: 9.445 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

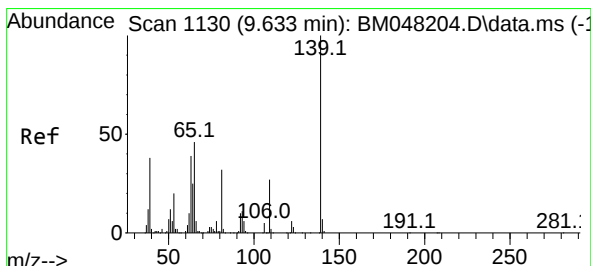
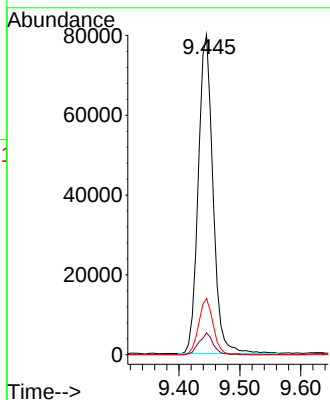
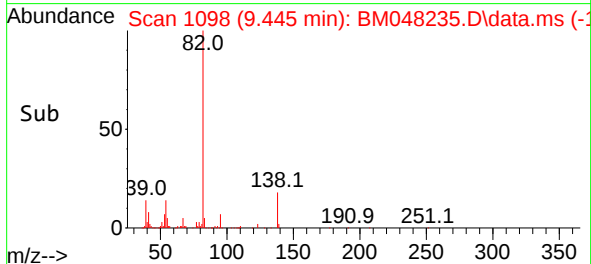
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 133834
Ion Ratio Lower Upper
82 100
95 6.8 5.3 7.9
138 17.6 14.3 21.5

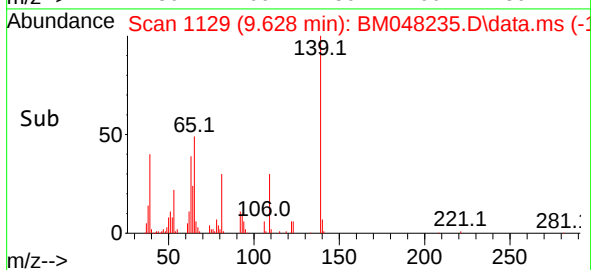
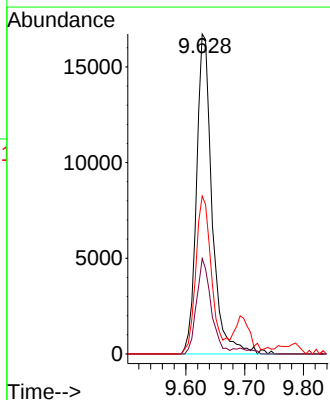
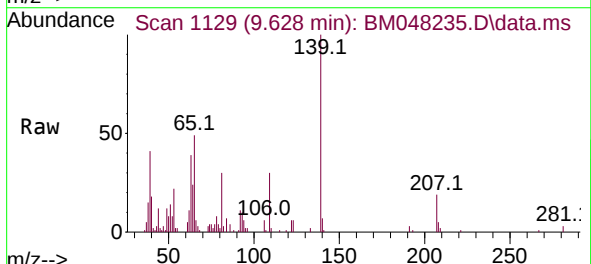
Manual Integrations
APPROVED

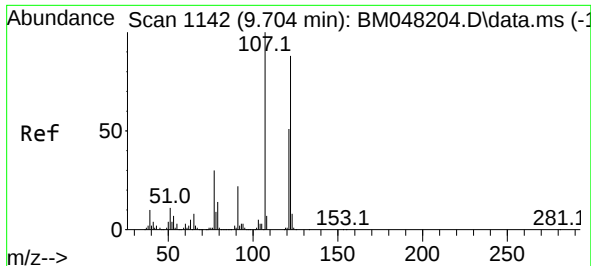
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#26
2-Nitrophenol
Concen: 2.917 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

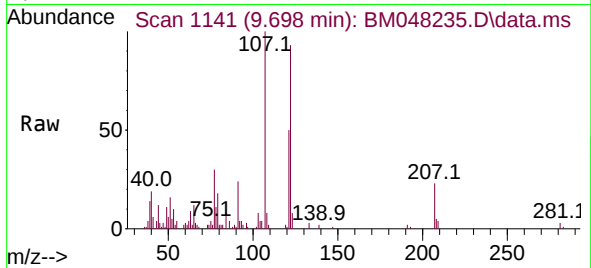
Tgt Ion:139 Resp: 30918
Ion Ratio Lower Upper
139 100
109 29.8 21.2 31.8
65 49.3 36.8 55.2





#27
2,4-Dimethylphenol
Concen: 2.102 ng
RT: 9.698 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

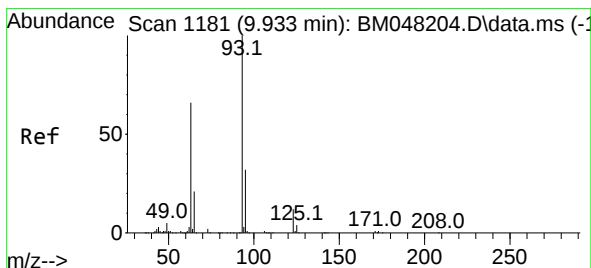
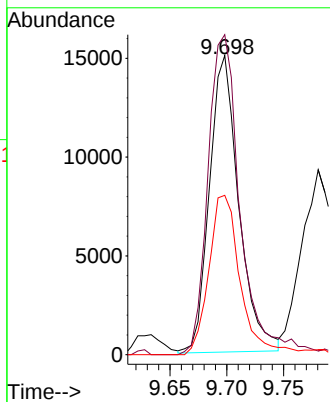
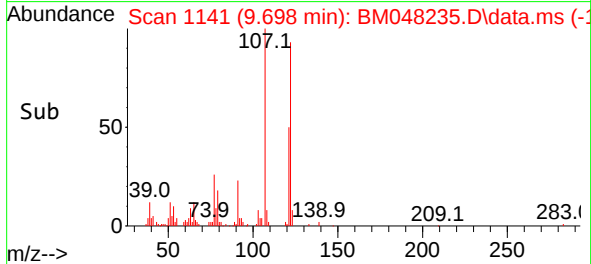
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:122 Resp: 2702
Ion Ratio Lower Upper
122 100
107 107.0 91.0 136.6
121 53.2 46.1 69.1

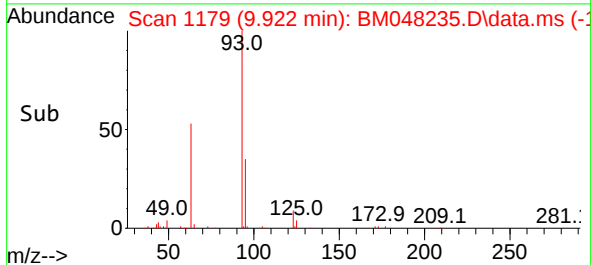
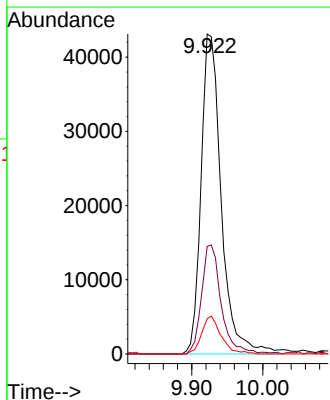
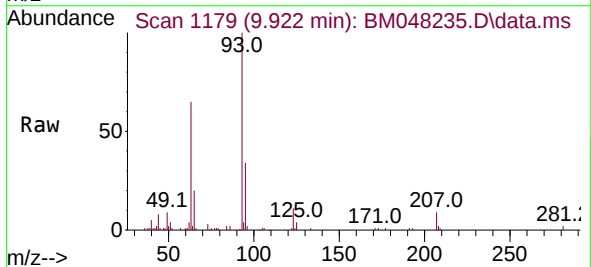
Manual Integrations
APPROVED

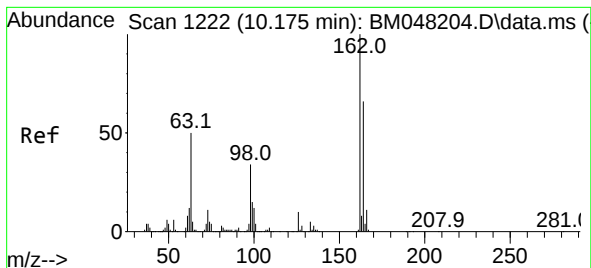
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.322 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

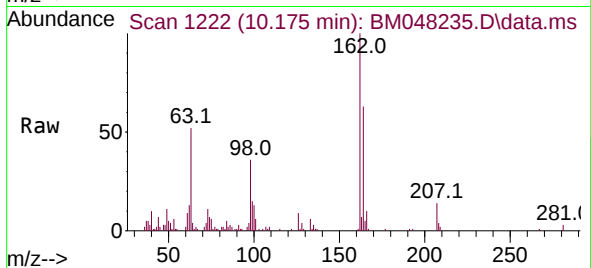
Tgt Ion: 93 Resp: 85355
Ion Ratio Lower Upper
93 100
95 33.6 25.3 37.9
123 11.0 9.8 14.6





#29
2,4-Dichlorophenol
Concen: 3.062 ng
RT: 10.175 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

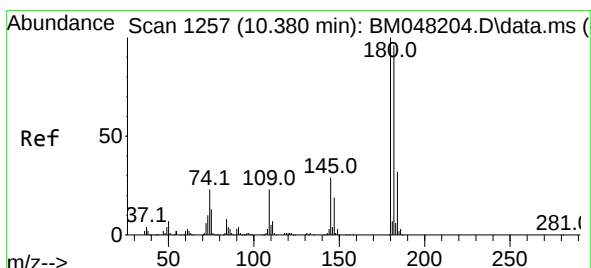
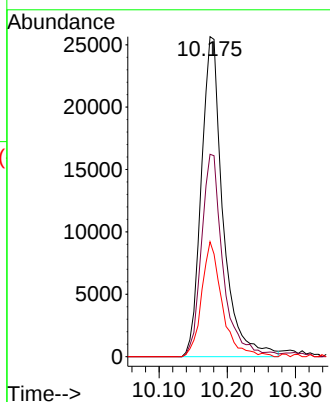
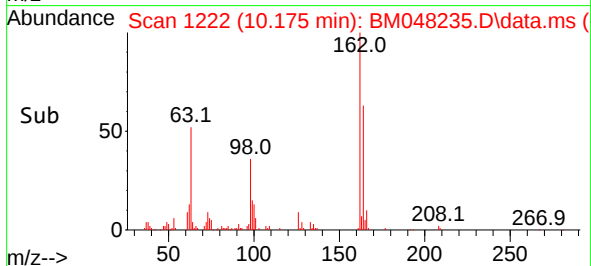
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



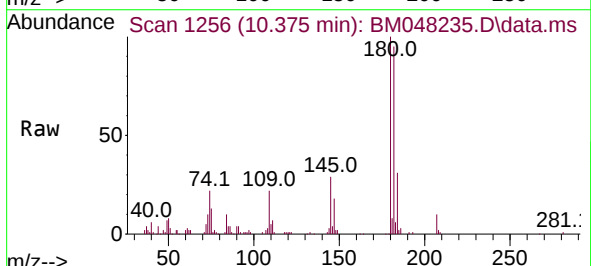
Tgt Ion:162 Resp: 56620
Ion Ratio Lower Upper
162 100
164 63.2 46.0 86.0
98 35.9 14.4 54.4

Manual Integrations
APPROVED

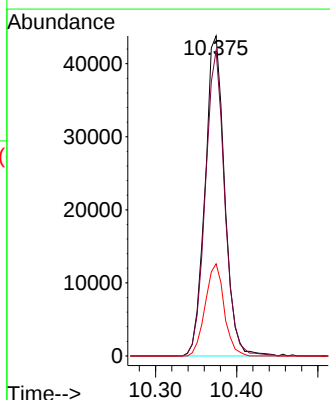
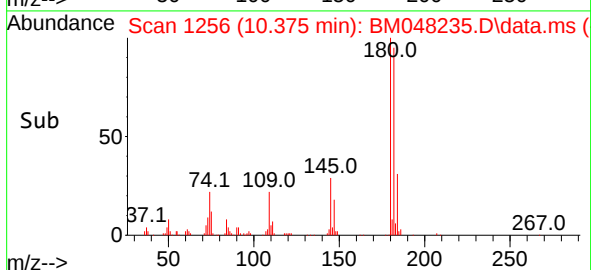
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

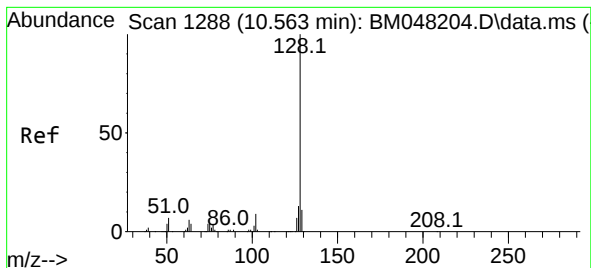


#30
1,2,4-Trichlorobenzene
Concen: 3.460 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



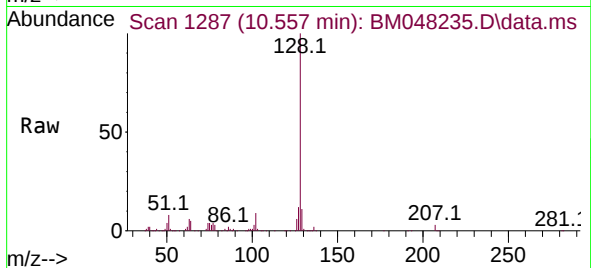
Tgt Ion:180 Resp: 73285
Ion Ratio Lower Upper
180 100
182 95.4 76.6 115.0
145 28.8 23.4 35.2





#31
Naphthalene
Concen: 3.460 ng
RT: 10.557 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

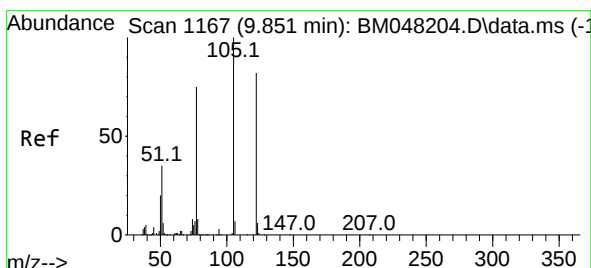
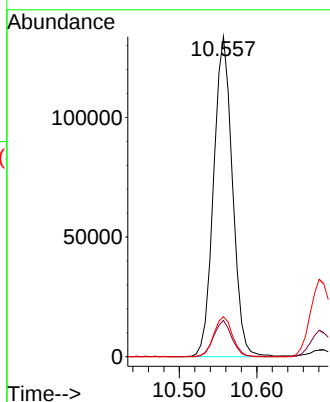
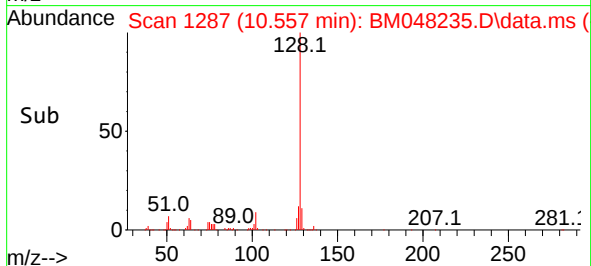
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:128 Resp: 225680
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 12.5 10.2 15.2

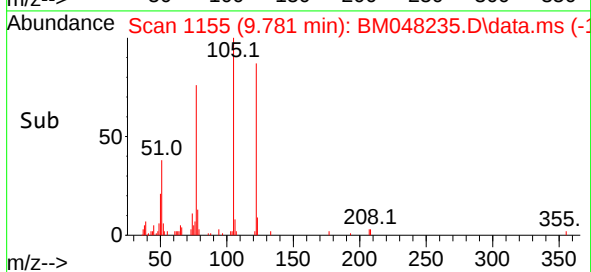
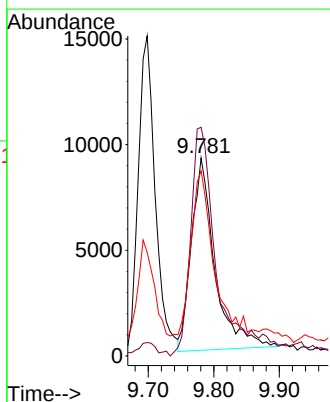
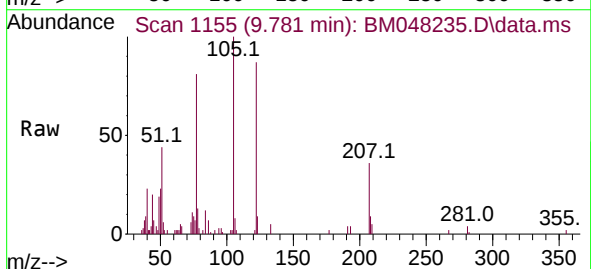
Manual Integrations
APPROVED

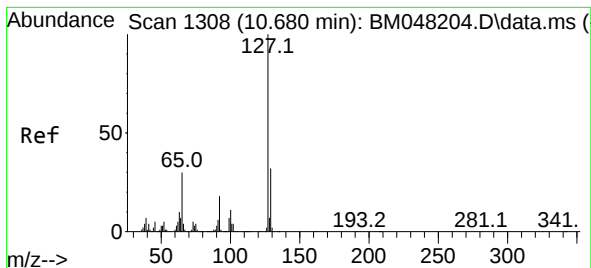
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#32
Benzoic acid
Concen: 1.578 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.071 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

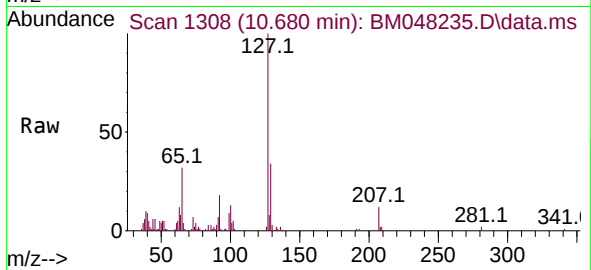
Tgt Ion:122 Resp: 22589
Ion Ratio Lower Upper
122 100
105 115.6 99.3 139.3
77 93.5 70.4 110.4





#33
4-Chloroaniline
Concen: 3.438 ng
RT: 10.680 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

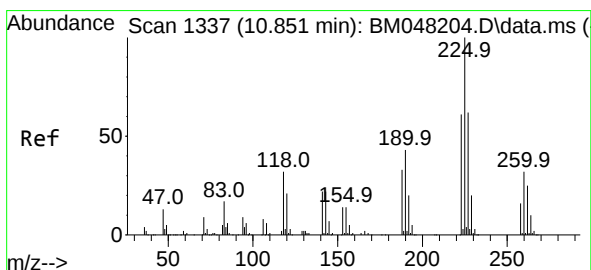
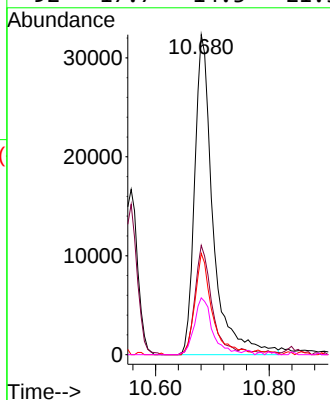
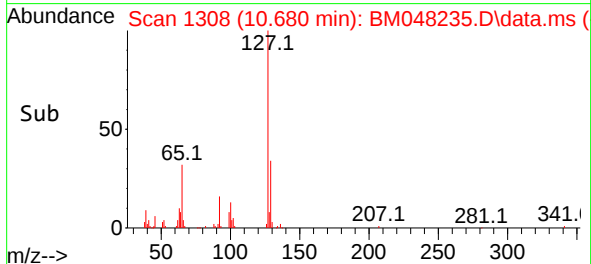
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



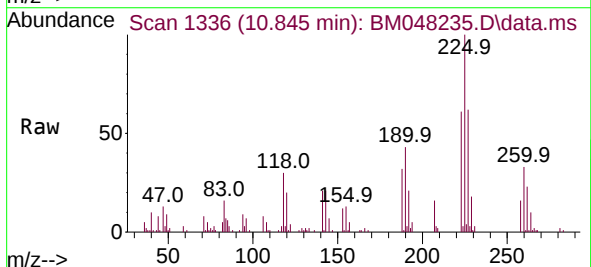
Tgt Ion:127 Resp: 72734
Ion Ratio Lower Upper
127 100
129 34.2 25.8 38.6
65 31.7 23.7 35.5
92 17.7 14.3 21.5

Manual Integrations
APPROVED

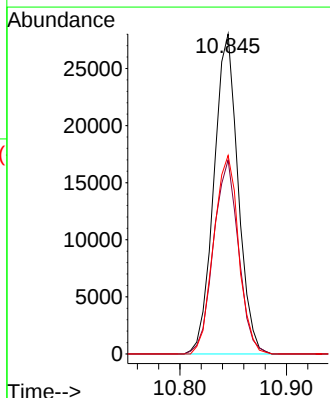
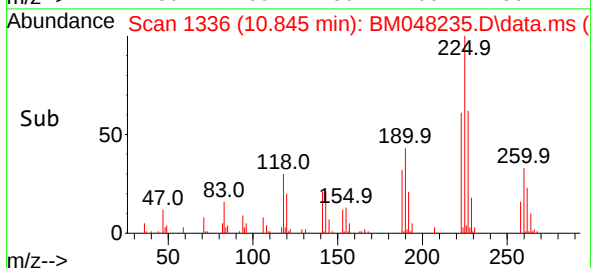
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

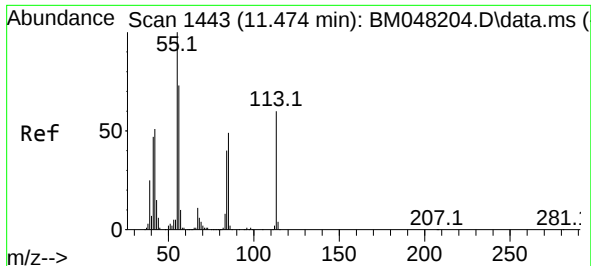


#34
Hexachlorobutadiene
Concen: 3.358 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



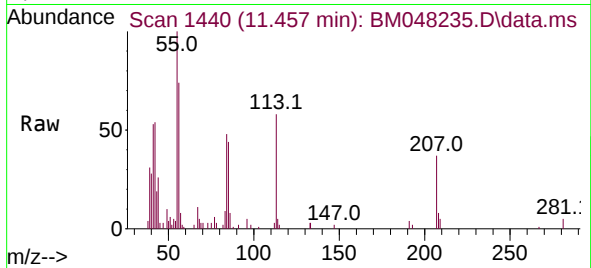
Tgt Ion:225 Resp: 44086
Ion Ratio Lower Upper
225 100
223 60.6 48.6 73.0
227 62.1 49.6 74.4





#35
Caprolactam
Concen: 2.630 ng
RT: 11.457 min Scan# 1443
Delta R.T. -0.018 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

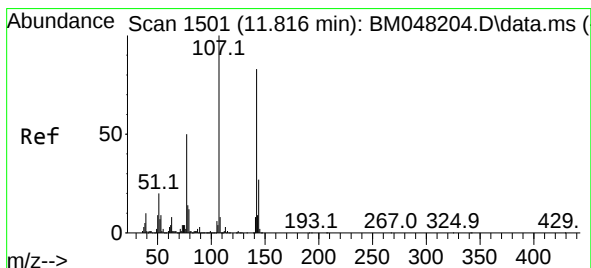
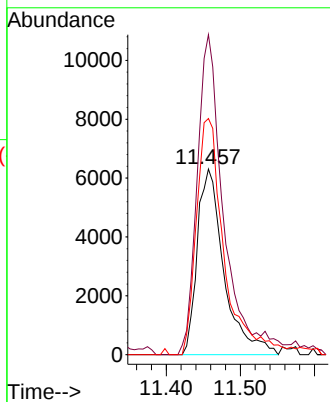
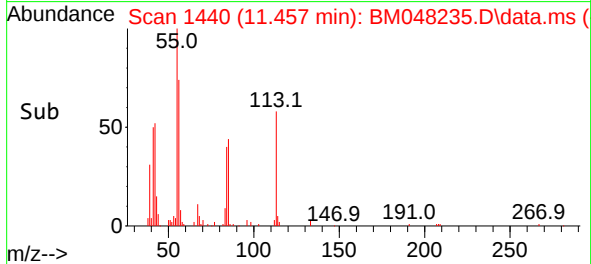
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:113 Resp: 15800
Ion Ratio Lower Upper
113 100
55 172.5 146.1 186.1
56 127.3 101.9 141.9

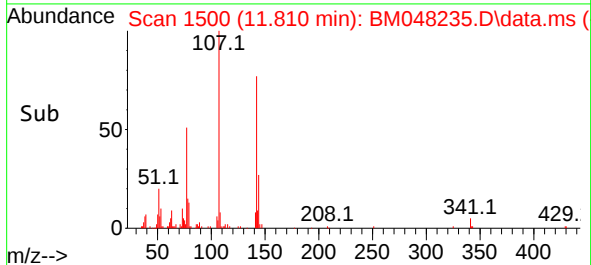
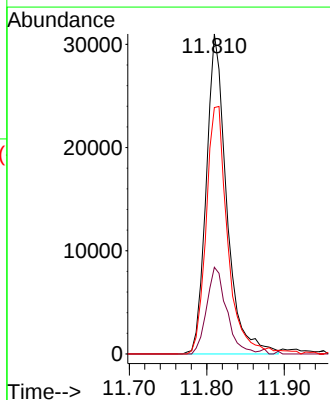
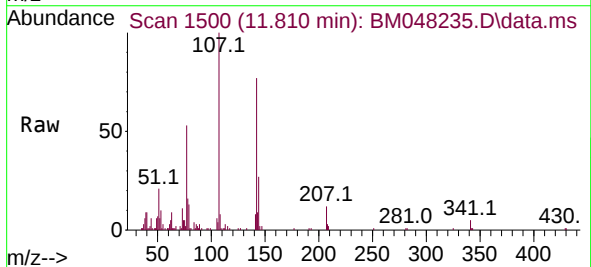
Manual Integrations
APPROVED

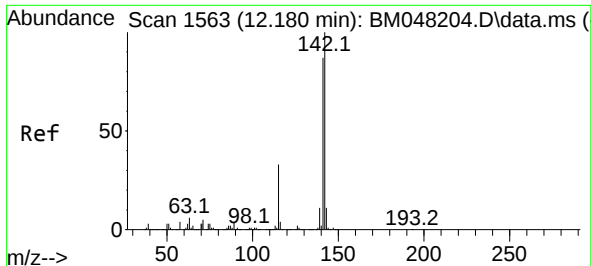
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#36
4-Chloro-3-methylphenol
Concen: 2.937 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

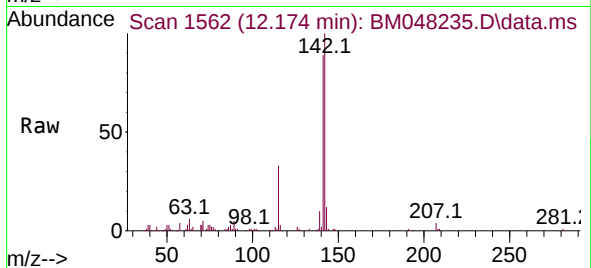
Tgt Ion:107 Resp: 56709
Ion Ratio Lower Upper
107 100
144 27.1 21.5 32.3
142 77.0 66.8 100.2





#37
2-Methylnaphthalene
Concen: 3.341 ng
RT: 12.174 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

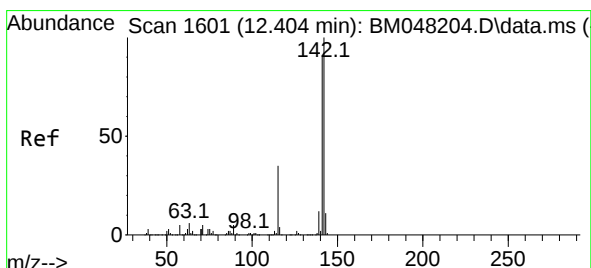
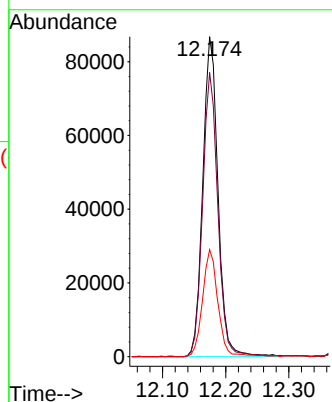
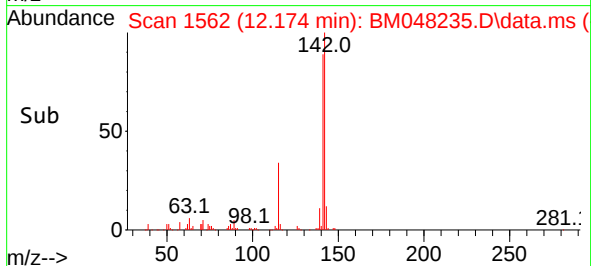
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



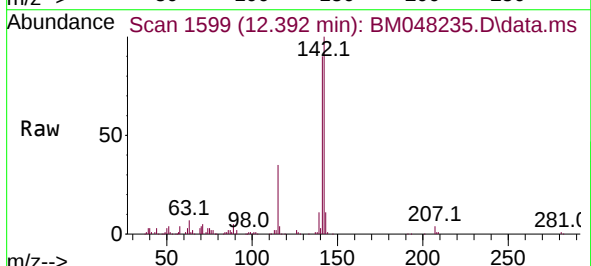
Tgt Ion:142 Resp: 14564
Ion Ratio Lower Upper
142 100
141 88.8 69.8 104.6
115 33.5 26.3 39.5

Manual Integrations
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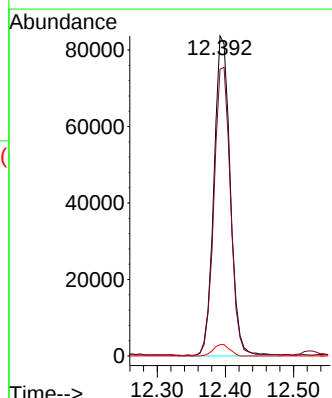
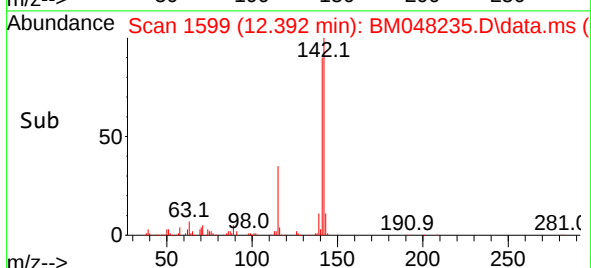
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

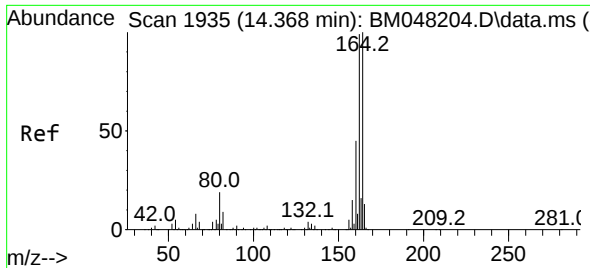


#38
1-Methylnaphthalene
Concen: 3.239 ng
RT: 12.392 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



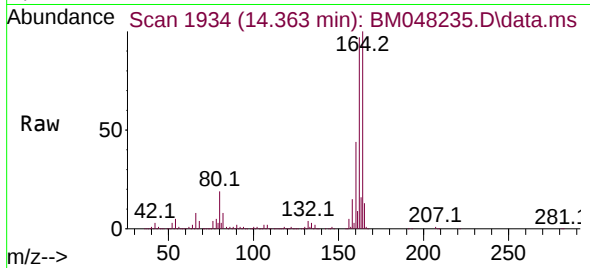
Tgt Ion:142 Resp: 139971
Ion Ratio Lower Upper
142 100
141 89.6 72.7 109.1
116 3.6 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

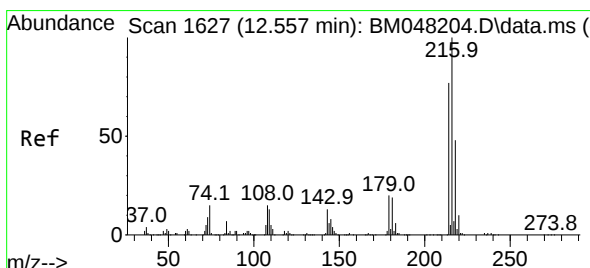
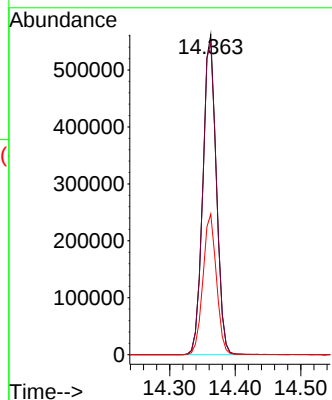
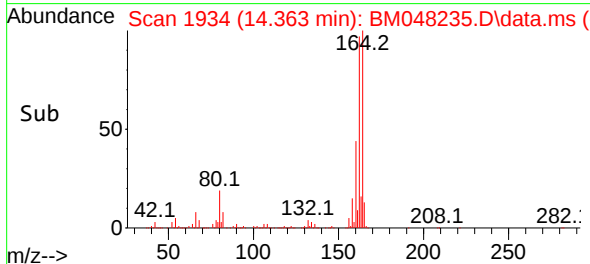
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



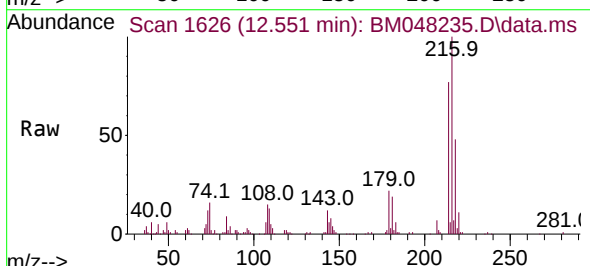
Tgt Ion:164 Resp: 802338
Ion Ratio Lower Upper
164 100
162 97.4 79.1 118.7
160 43.9 35.8 53.8

Manual Integrations
APPROVED

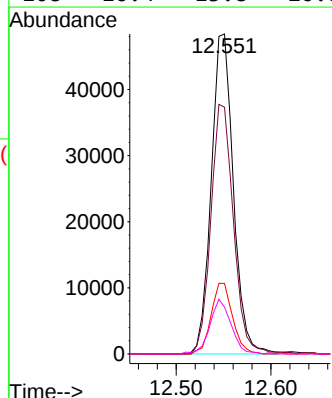
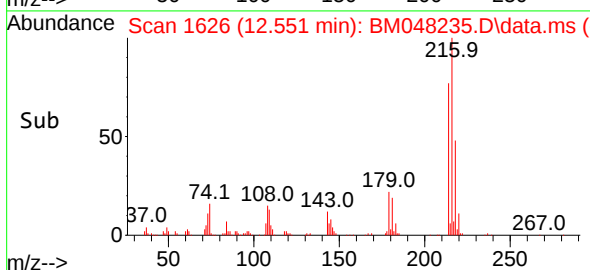
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

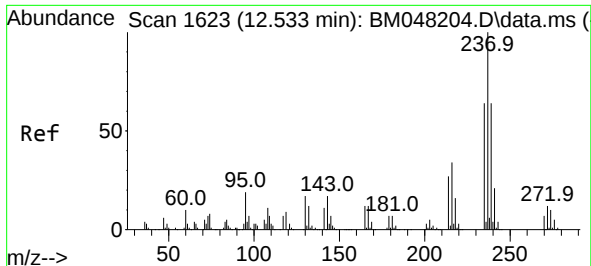


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.426 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



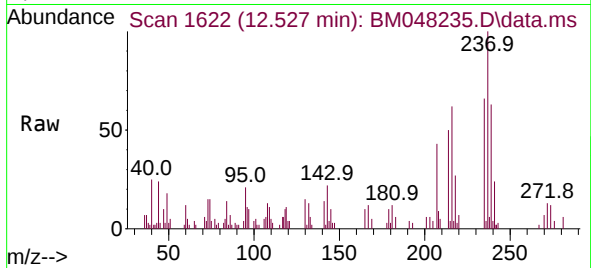
Tgt Ion:216 Resp: 78559
Ion Ratio Lower Upper
216 100
214 79.5 62.2 93.2
179 21.4 16.0 24.0
108 16.4 13.8 20.8





#41
Hexachlorocyclopentadiene
Concen: 1.796 ng
RT: 12.527 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

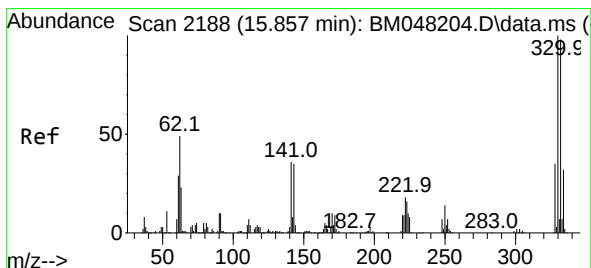
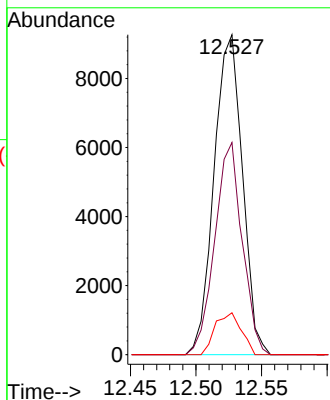
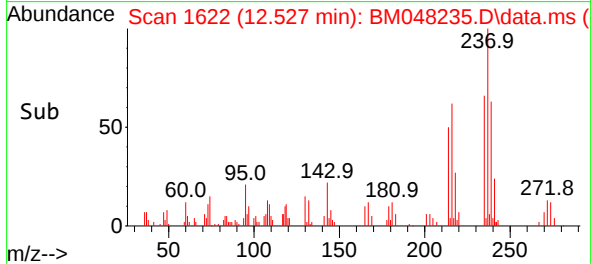
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:237 Resp: 13938
Ion Ratio Lower Upper
237 100
235 66.3 44.2 84.2
272 13.1 0.0 32.4

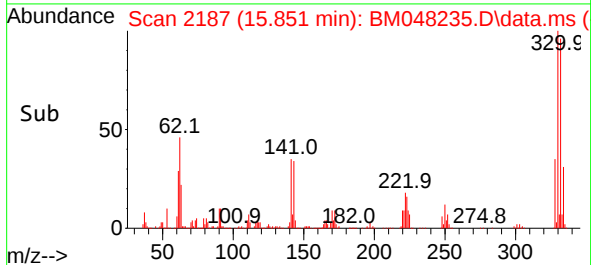
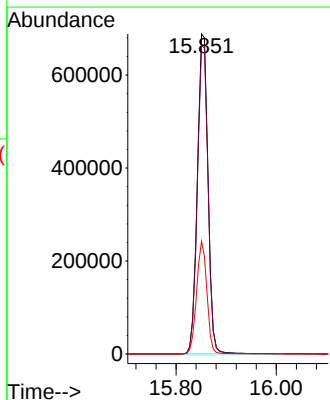
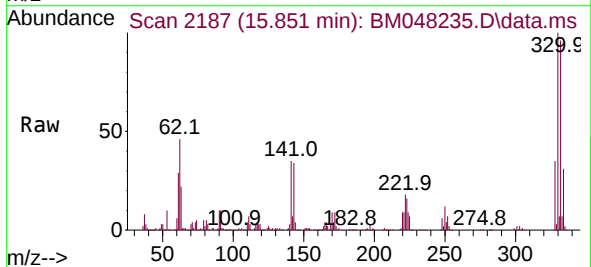
Manual Integrations
APPROVED

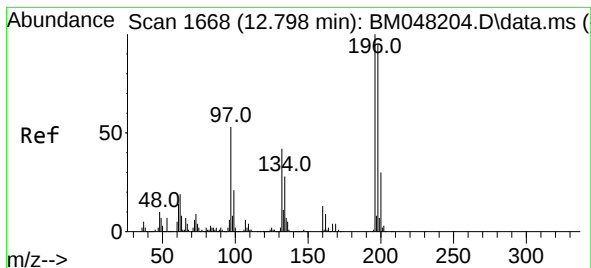
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#42
2,4,6-Tribromophenol
Concen: 103.327 ng
RT: 15.851 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:330 Resp: 1014740
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 34.0 27.5 41.3





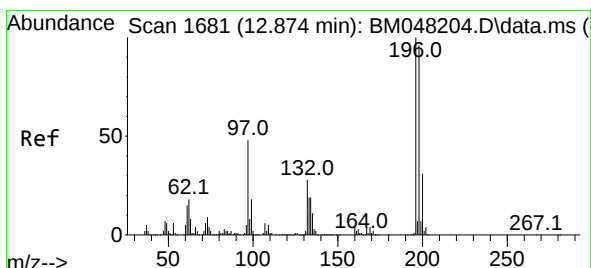
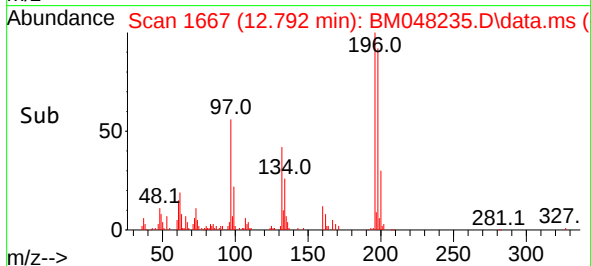
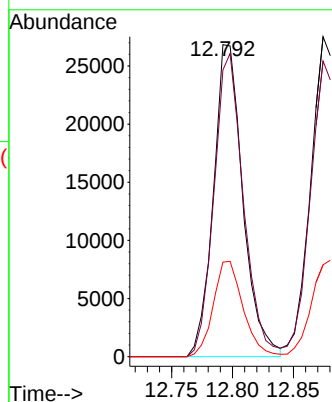
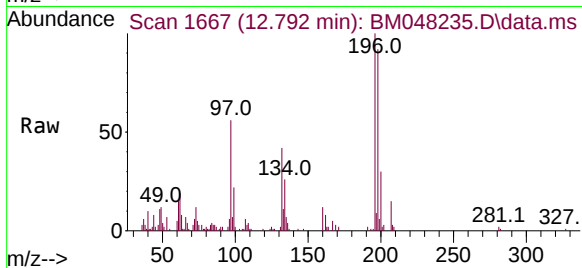
#43
2,4,6-Trichlorophenol
Concen: 2.973 ng
RT: 12.792 min Scan# 1667
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:196 Resp: 4524
Ion Ratio Lower Upper
196 100
198 91.9 76.2 114.2
200 30.3 24.2 36.2

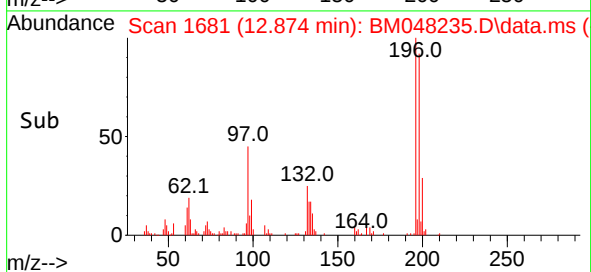
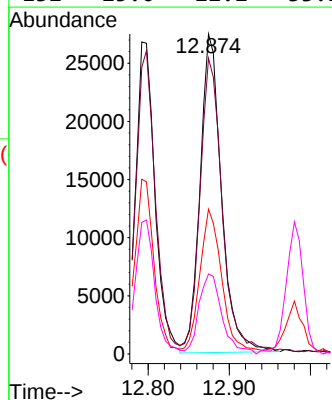
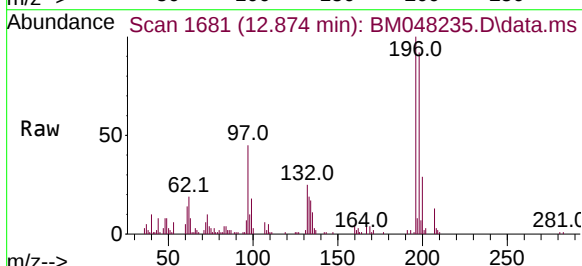
Manual Integrations
APPROVED

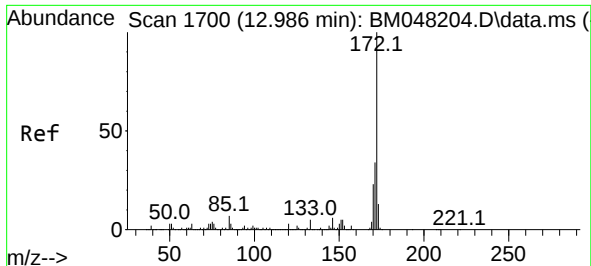
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#44
2,4,5-Trichlorophenol
Concen: 2.962 ng
RT: 12.874 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

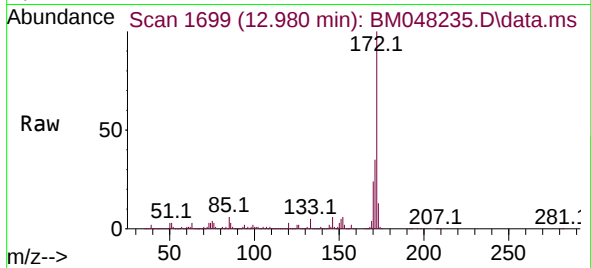
Tgt Ion:196 Resp: 50270
Ion Ratio Lower Upper
196 100
198 92.4 76.7 115.1
97 45.2 38.5 57.7
132 25.0 22.2 33.2





#45
2-Fluorobiphenyl
Concen: 70.904 ng
RT: 12.980 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

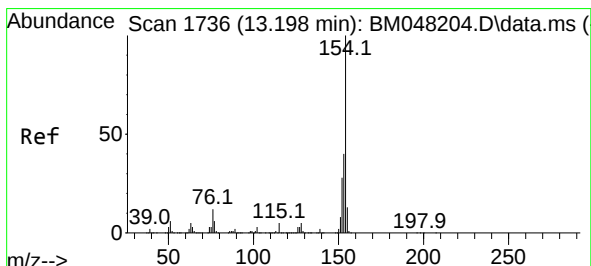
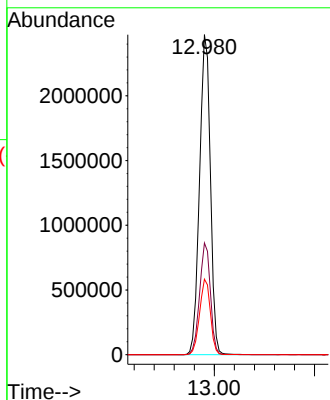
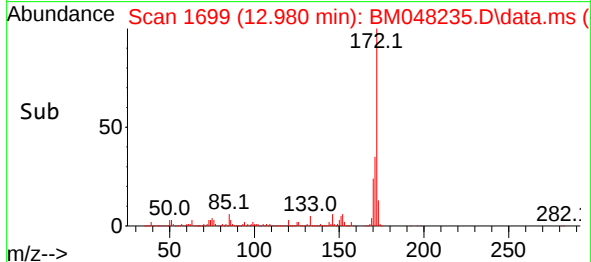
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



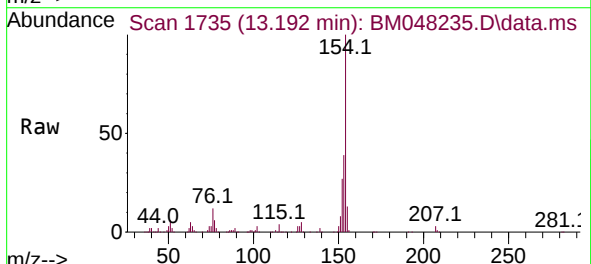
Tgt Ion:172 Resp: 3707324
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.6 18.5 27.7

Manual Integrations
APPROVED

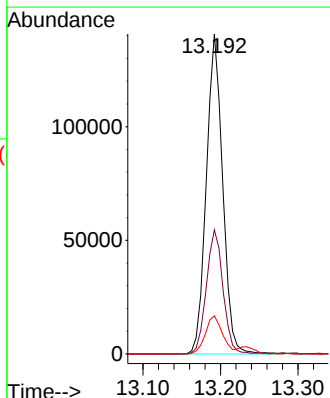
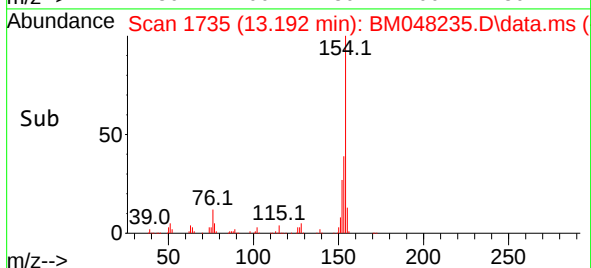
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

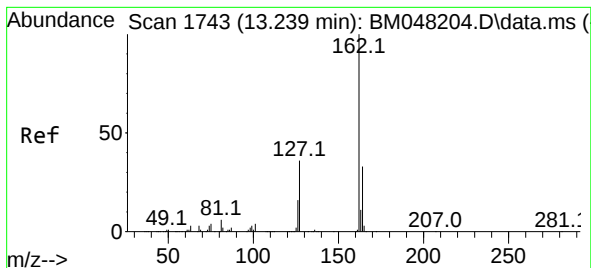


#46
1,1'-Biphenyl
Concen: 3.599 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



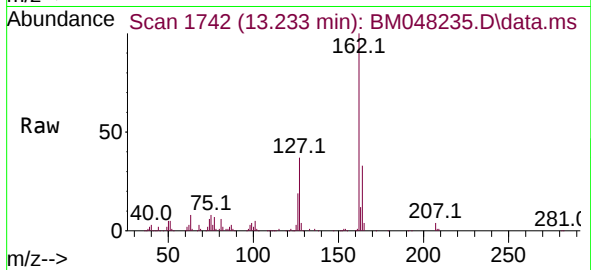
Tgt Ion:154 Resp: 206192
Ion Ratio Lower Upper
154 100
153 38.8 19.9 59.9
76 11.9 0.0 32.4





#47
2-Chloronaphthalene
Concen: 3.308 ng
RT: 13.233 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

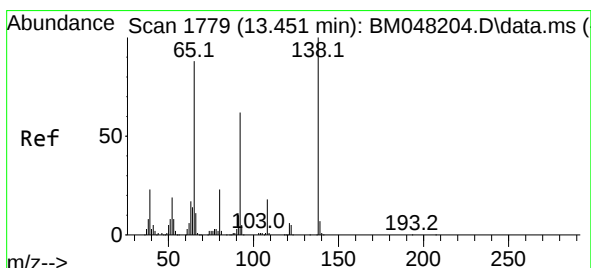
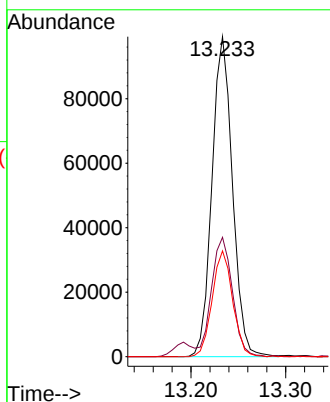
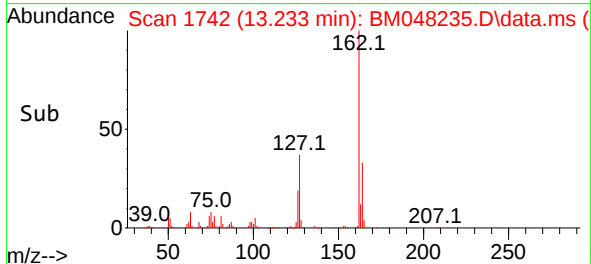
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:162 Resp: 14941
Ion Ratio Lower Upper
162 100
127 37.3 31.0 46.6
164 33.1 26.2 39.4

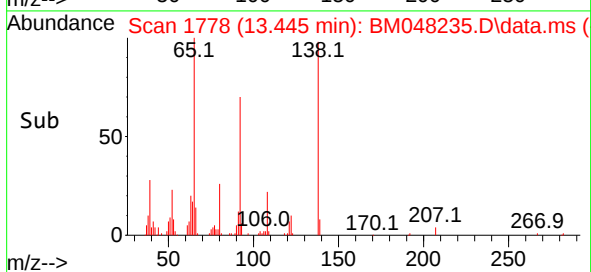
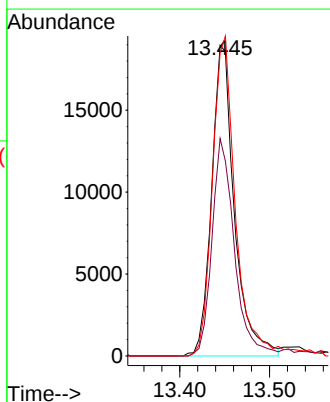
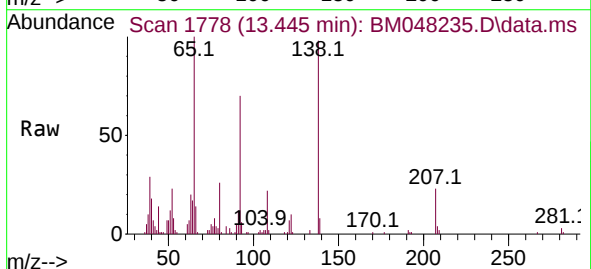
Manual Integrations
APPROVED

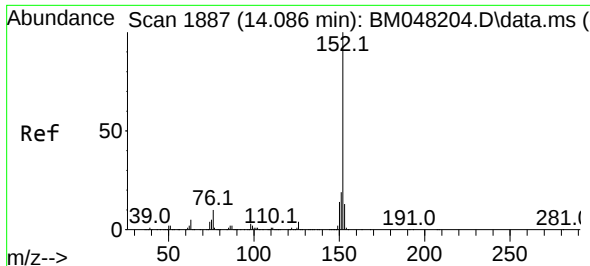
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#48
2-Nitroaniline
Concen: 2.746 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

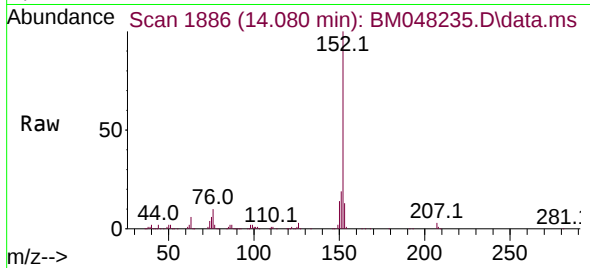
Tgt Ion: 65 Resp: 33644
Ion Ratio Lower Upper
65 100
92 70.0 56.0 84.0
138 97.5 90.8 136.2





#49
Acenaphthylene
Concen: 3.471 ng
RT: 14.080 min Scan# 1887
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

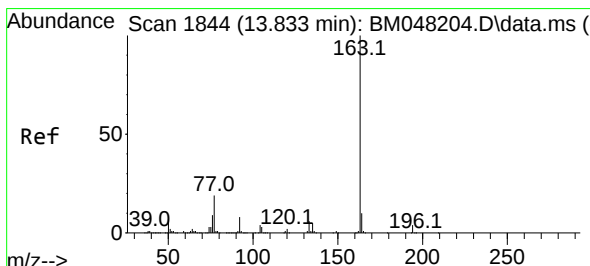
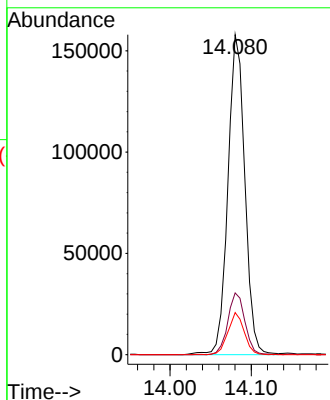
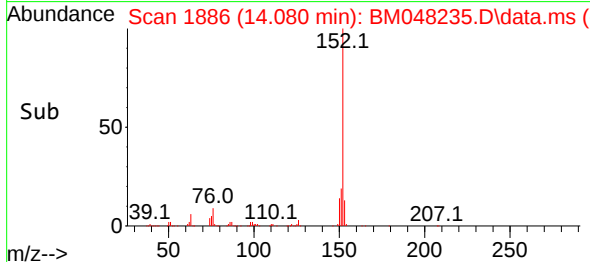
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:152 Resp: 228738
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.2
153 13.2 10.5 15.7

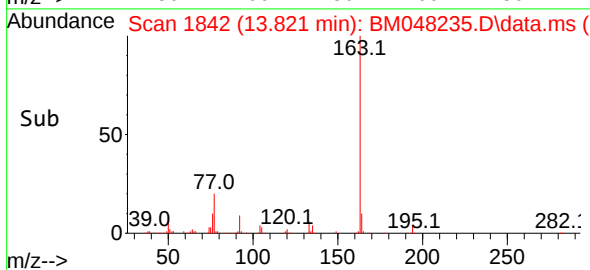
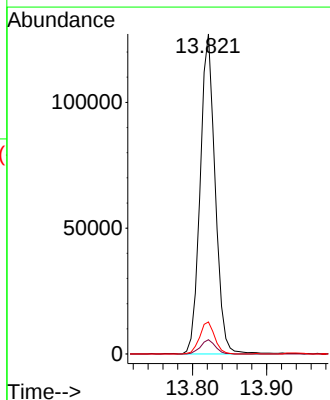
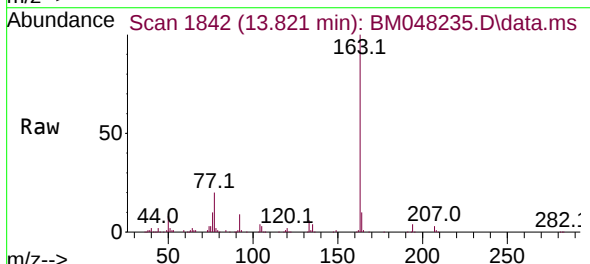
Manual Integrations
APPROVED

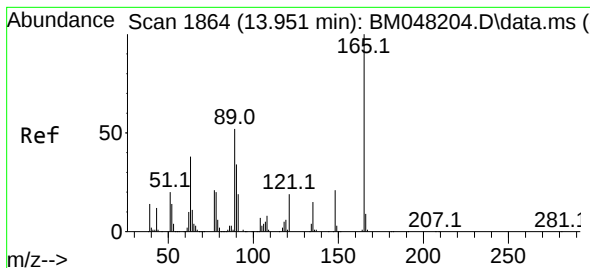
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#50
Dimethylphthalate
Concen: 3.262 ng
RT: 13.821 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

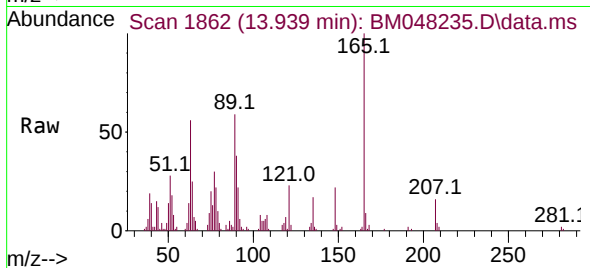
Tgt Ion:163 Resp: 178689
Ion Ratio Lower Upper
163 100
194 4.4 3.1 4.7
164 10.0 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 2.862 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

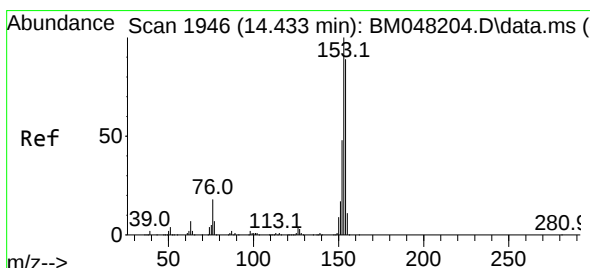
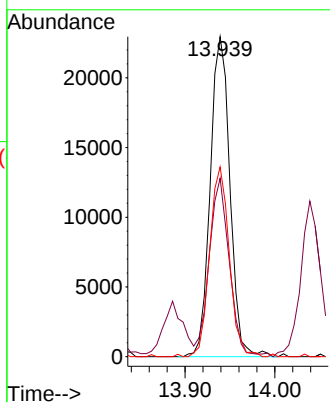
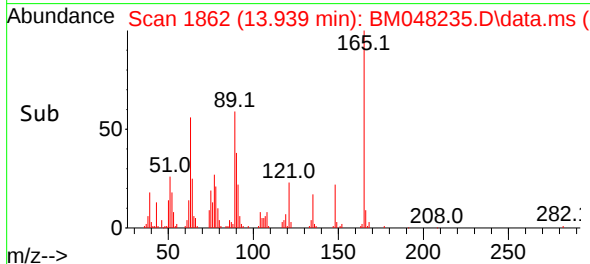
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 34974
Ion Ratio Lower Upper
165 100
63 55.7 39.5 59.3
89 59.3 41.8 62.6

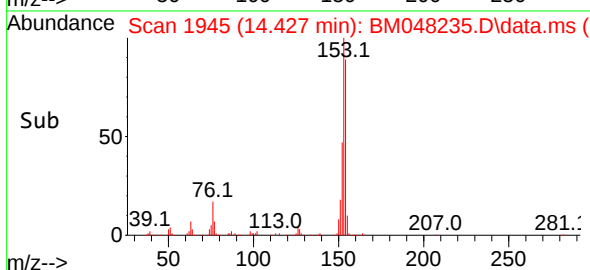
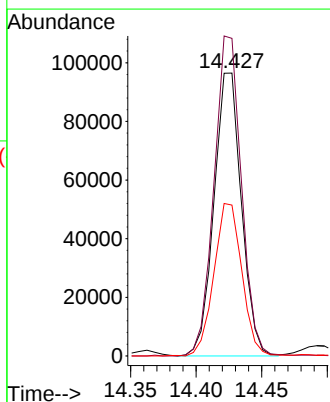
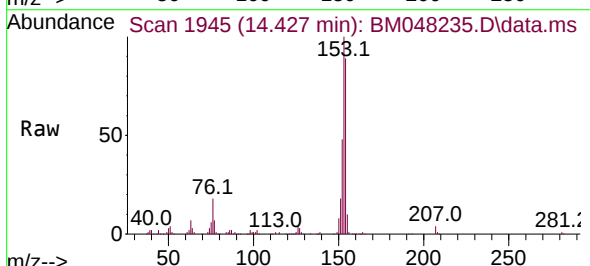
Manual Integrations
APPROVED

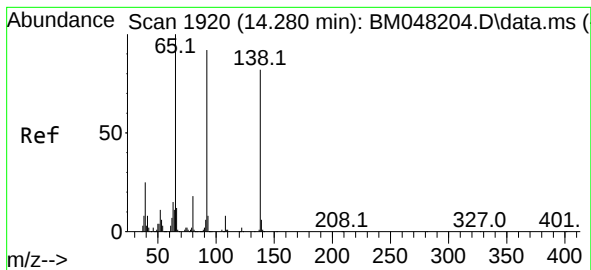
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#52
Acenaphthene
Concen: 3.354 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:154 Resp: 140453
Ion Ratio Lower Upper
154 100
153 112.3 90.4 135.6
152 53.3 43.6 65.4





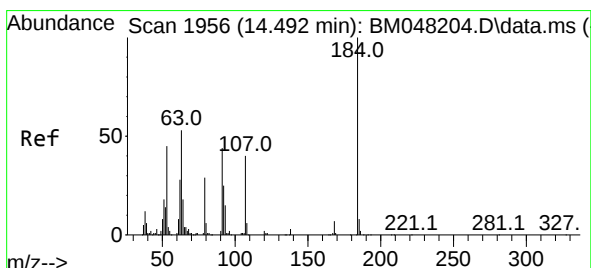
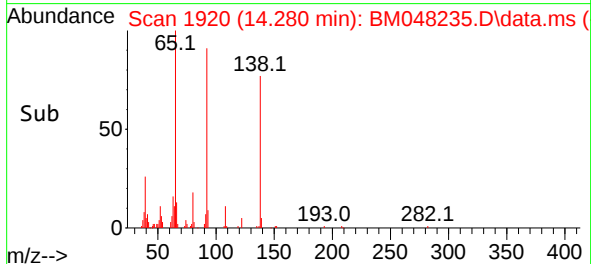
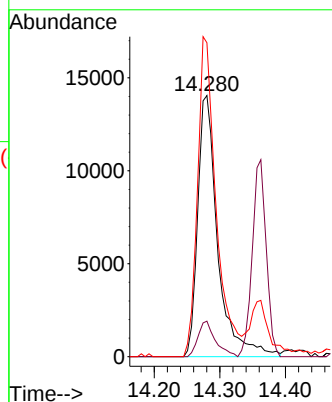
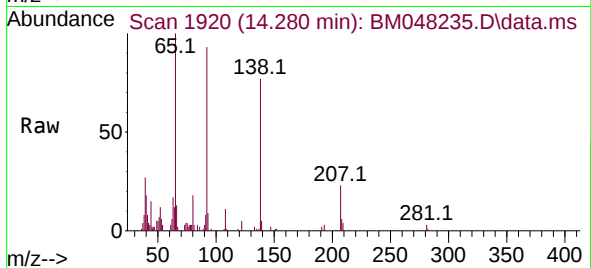
#53
3-Nitroaniline
Concen: 2.597 ng
RT: 14.280 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:138 Resp: 2993
Ion Ratio Lower Upper
138 100
108 13.6 7.5 11.3
92 120.2 89.7 134.5

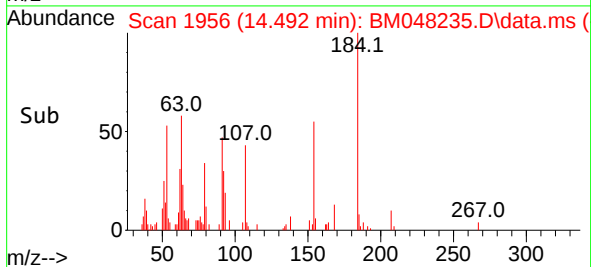
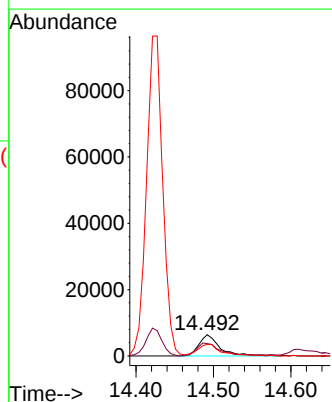
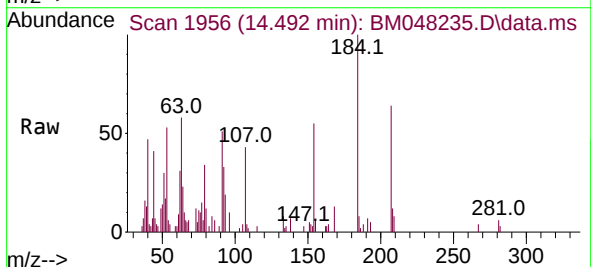
Manual Integrations
APPROVED

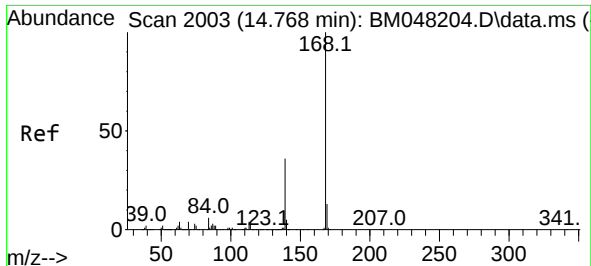
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#54
2,4-Dinitrophenol
Concen: 1.669 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

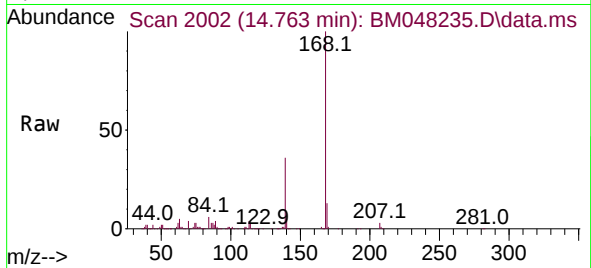
Tgt Ion:184 Resp: 11920
Ion Ratio Lower Upper
184 100
63 57.6 47.2 70.8
154 54.5 46.0 69.0





#55
Dibenzofuran
Concen: 3.448 ng
RT: 14.763 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

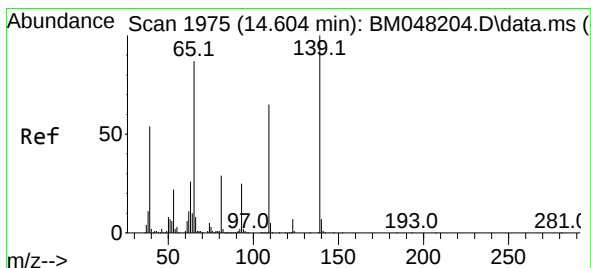
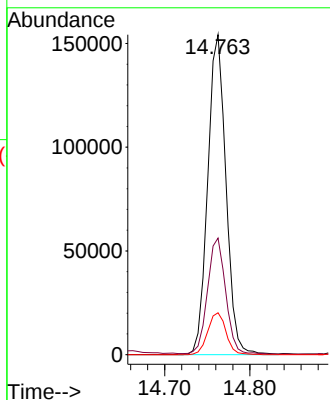
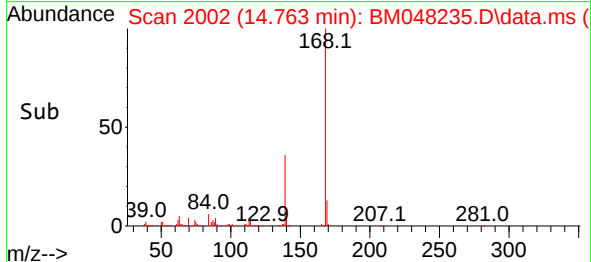
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:168 Resp: 229360
Ion Ratio Lower Upper
168 100
139 36.4 29.0 43.6
169 13.1 10.4 15.6

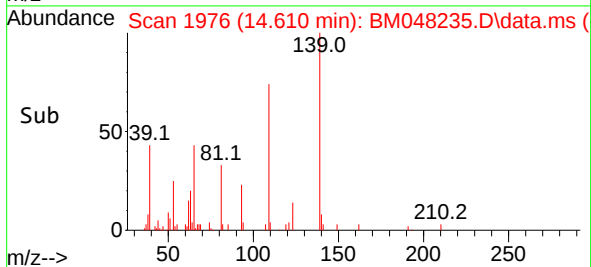
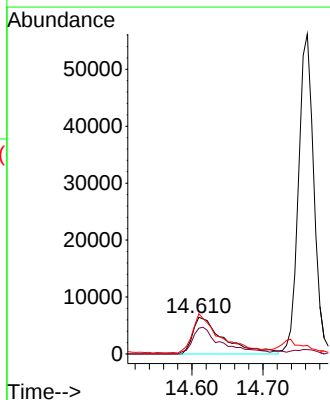
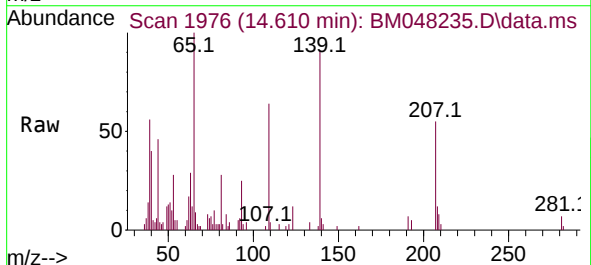
Manual Integrations
APPROVED

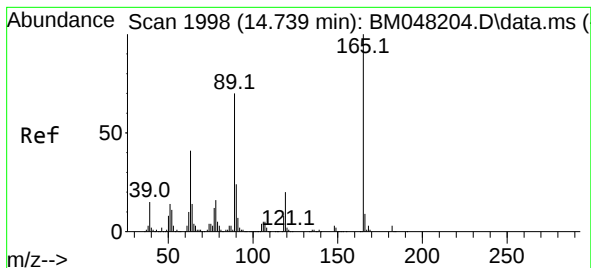
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#56
4-Nitrophenol
Concen: 1.893 ng
RT: 14.610 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

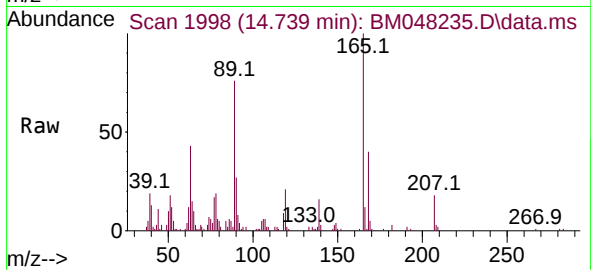
Tgt Ion:139 Resp: 19469
Ion Ratio Lower Upper
139 100
109 70.6 45.4 85.4
65 109.7 67.3 107.3#





#57
2,4-Dinitrotoluene
Concen: 2.552 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

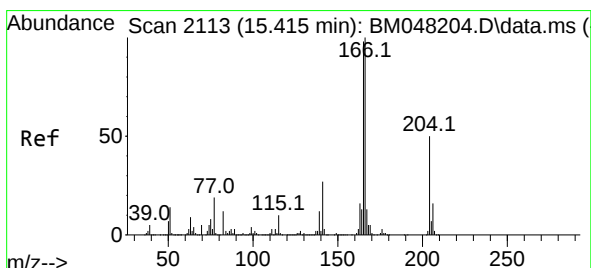
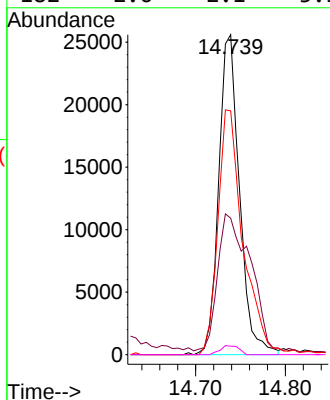
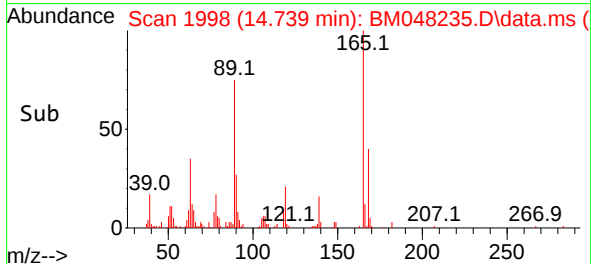
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 4119
Ion Ratio Lower Upper
165 100
63 42.7 33.0 49.4
89 76.2 55.8 83.6
182 2.6 2.1 3.1

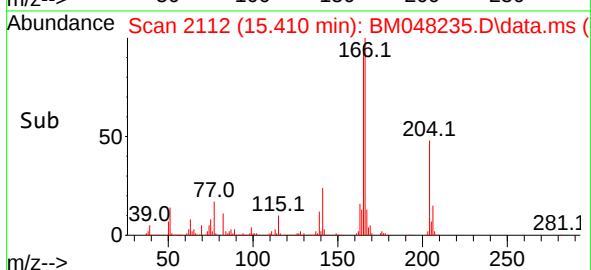
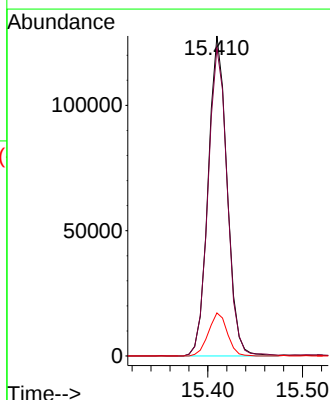
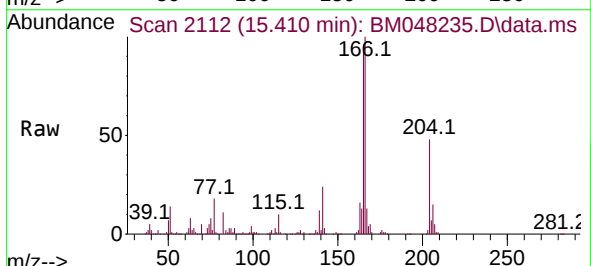
Manual Integrations
APPROVED

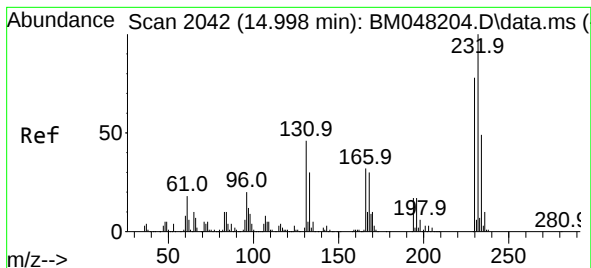
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#58
Fluorene
Concen: 3.362 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

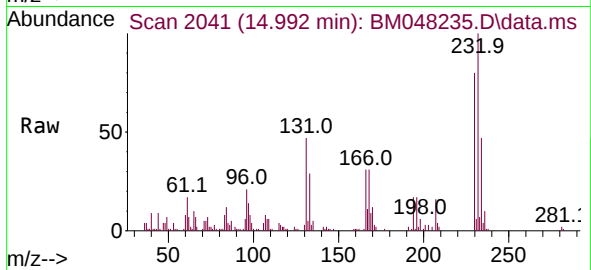
Tgt Ion:166 Resp: 176864
Ion Ratio Lower Upper
166 100
165 96.2 78.4 117.6
167 13.4 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.243 ng
RT: 14.992 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

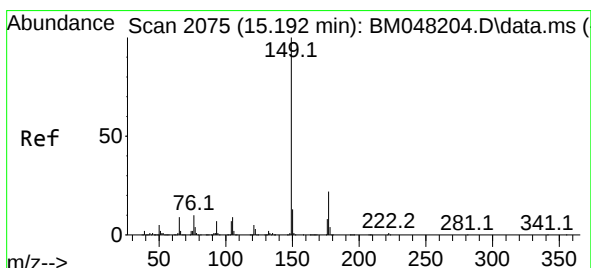
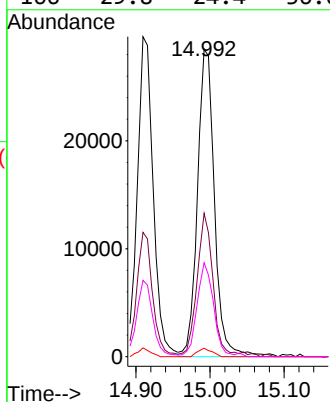
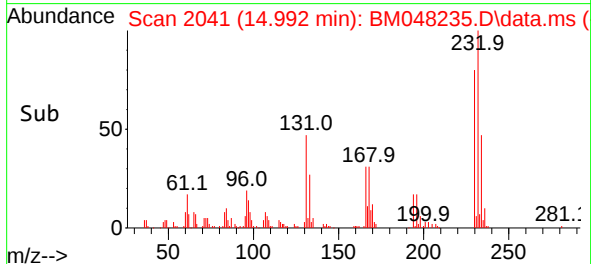
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 45618
Ion Ratio Lower Upper
232 100
131 44.4 35.5 53.3
130 2.3 1.8 2.6
166 29.8 24.4 36.6

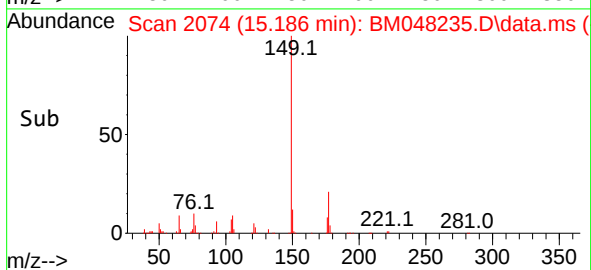
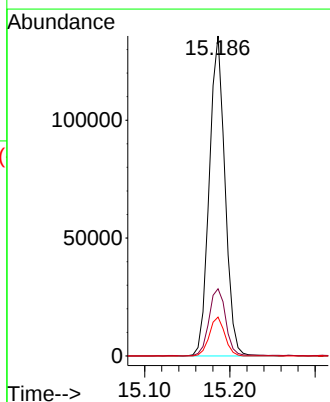
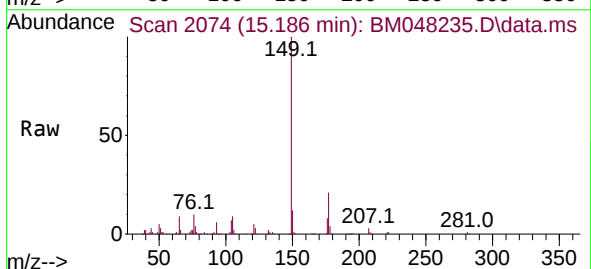
Manual Integrations
APPROVED

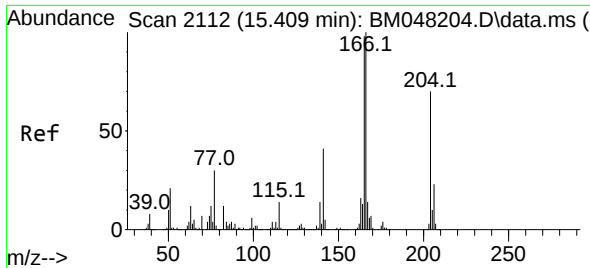
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#60
Diethylphthalate
Concen: 3.136 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

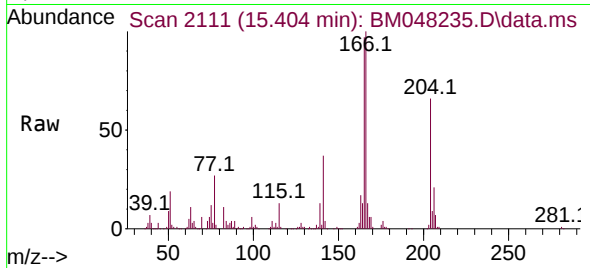
Tgt Ion:149 Resp: 173897
Ion Ratio Lower Upper
149 100
177 21.0 17.5 26.3
150 12.1 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 3.411 ng
RT: 15.404 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

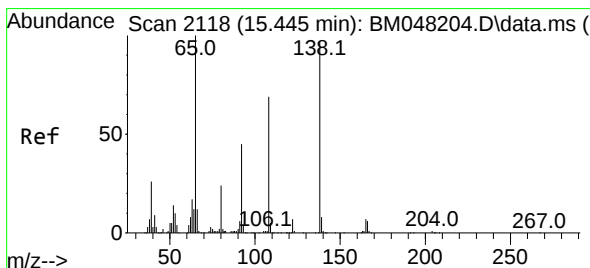
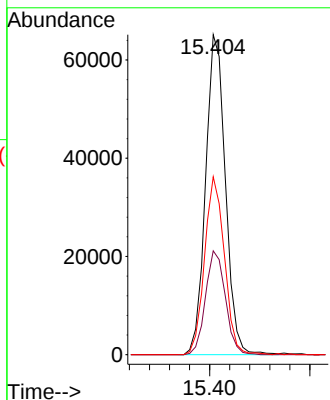
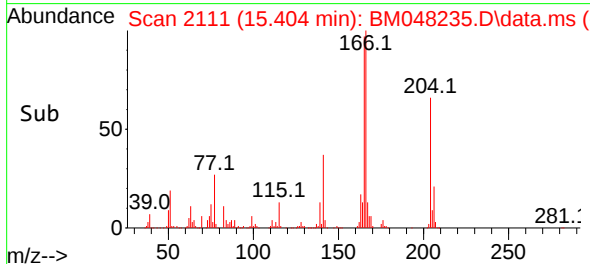
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:204 Resp: 89704
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.4
141 55.6 47.0 70.6

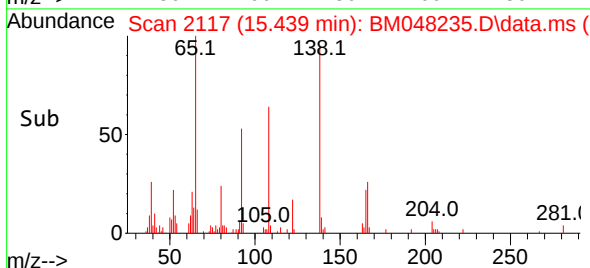
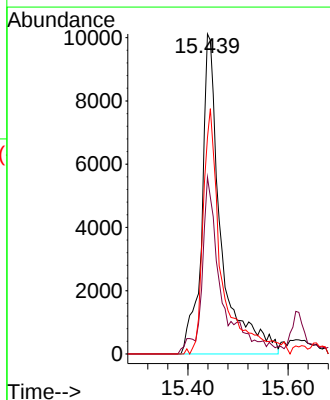
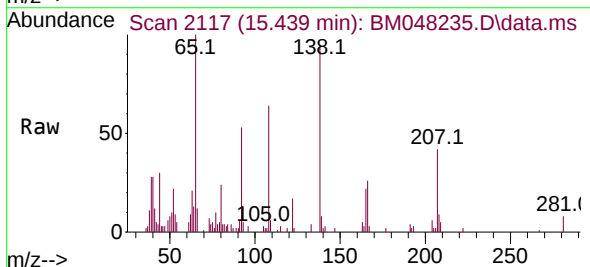
Manual Integrations
APPROVED

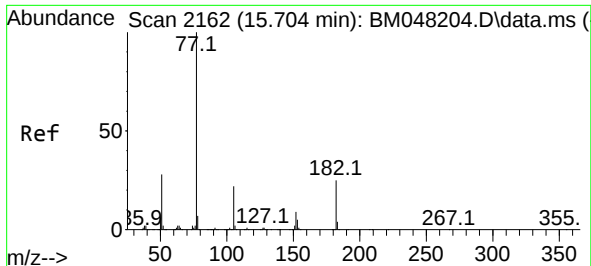
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#62
4-Nitroaniline
Concen: 2.262 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

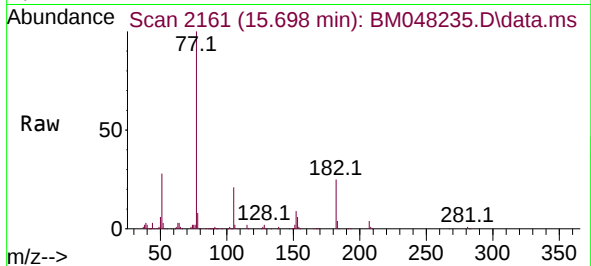
Tgt Ion:138 Resp: 26982
Ion Ratio Lower Upper
138 100
92 55.2 26.9 66.9
108 67.7 51.3 91.3





#63
Azobenzene
Concen: 3.176 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

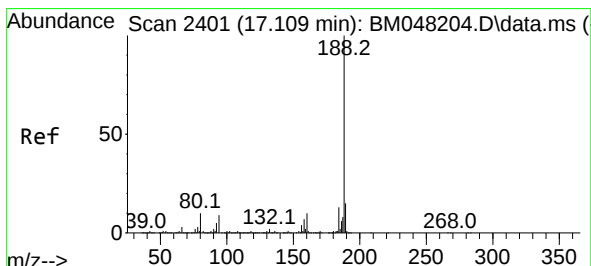
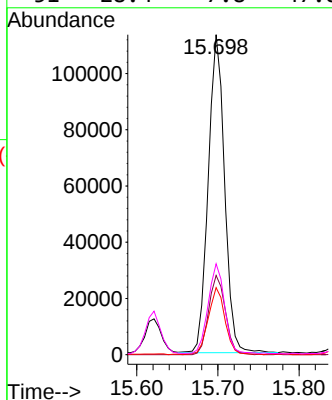
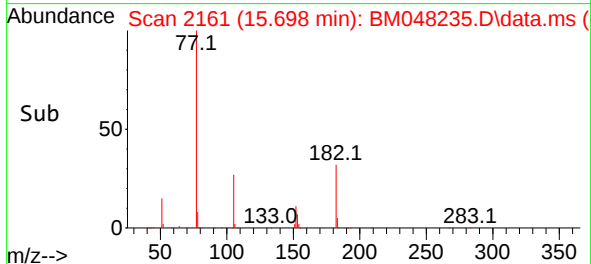
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 77 Resp: 157880
Ion Ratio Lower Upper
77 100
182 24.7 5.3 45.3
105 21.0 1.6 41.6
51 28.4 7.8 47.8

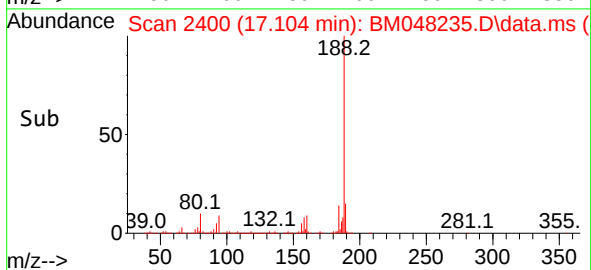
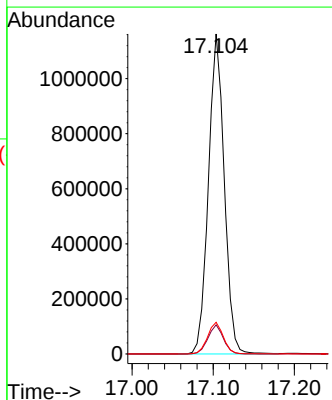
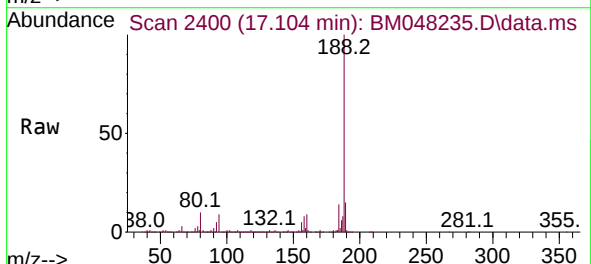
Manual Integrations
APPROVED

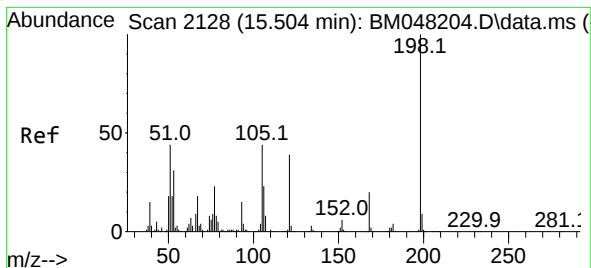
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:188 Resp: 1572652
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.9 8.0 12.0





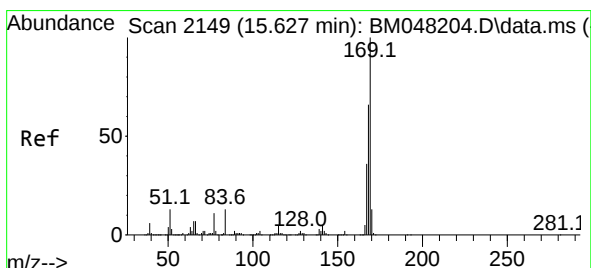
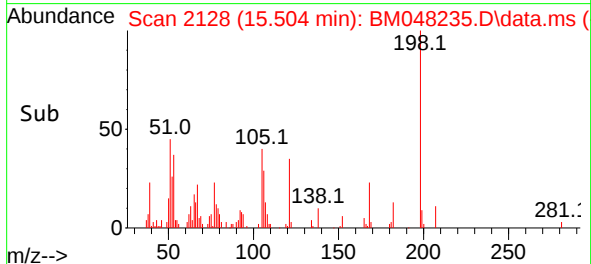
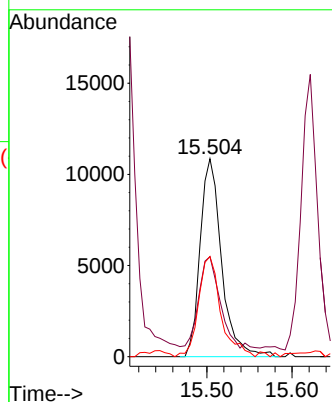
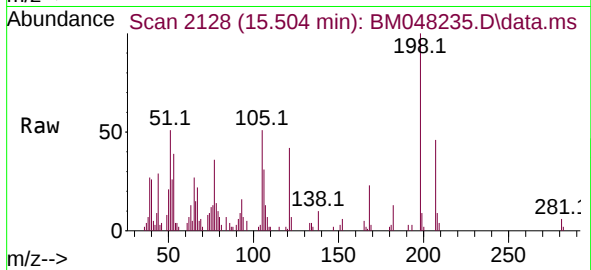
#65
4,6-Dinitro-2-methylphenol
Concen: 2.080 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:198 Resp: 1898
Ion Ratio Lower Upper
198 100
51 50.6 25.4 65.4
105 50.6 23.9 63.9

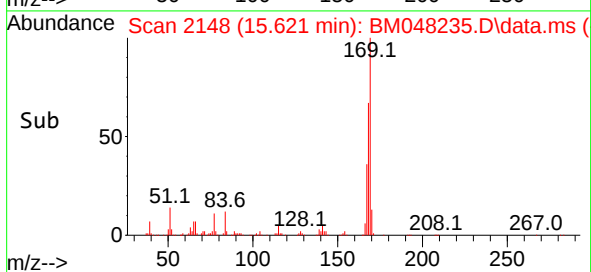
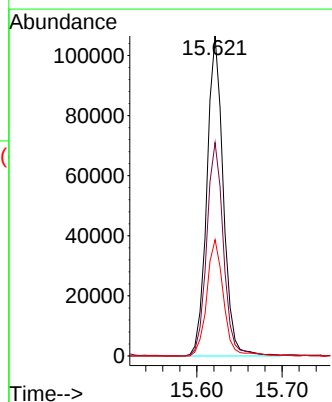
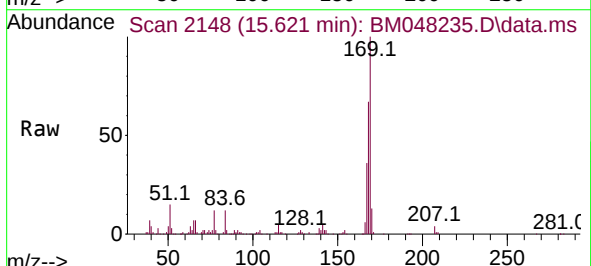
Manual Integrations
APPROVED

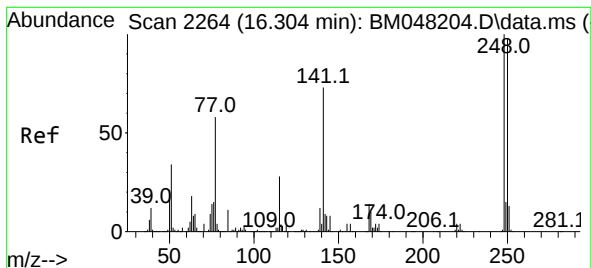
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#66
n-Nitrosodiphenylamine
Concen: 3.293 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

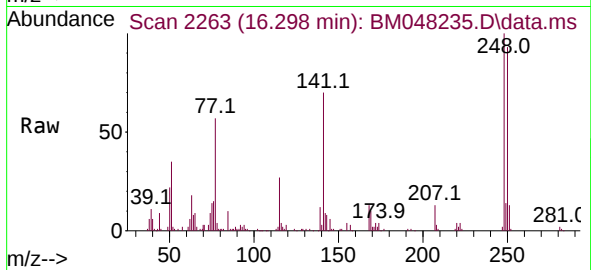
Tgt Ion:169 Resp: 142186
Ion Ratio Lower Upper
169 100
168 66.7 52.9 79.3
167 36.3 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 3.297 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

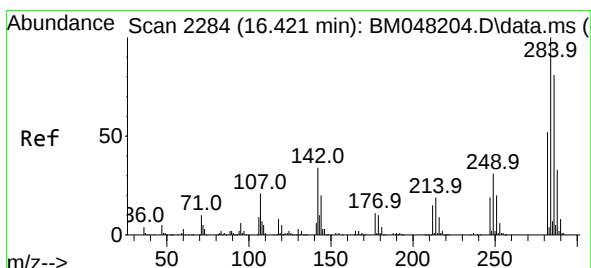
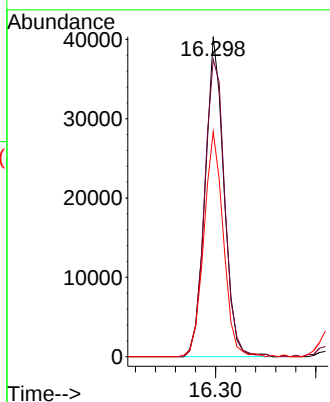
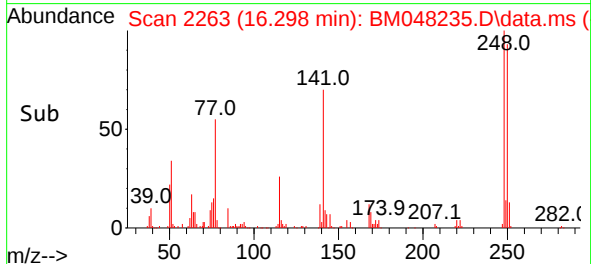
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



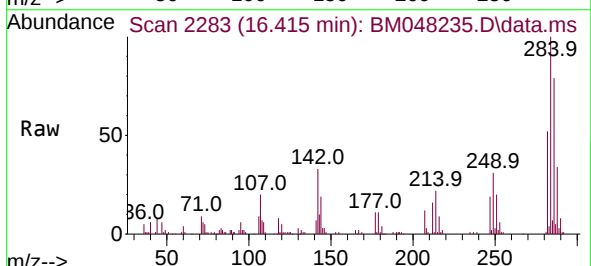
Tgt Ion:248 Resp: 5256
Ion Ratio Lower Upper
248 100
250 92.9 78.3 117.5
141 70.3 58.0 87.0

Manual Integrations
APPROVED

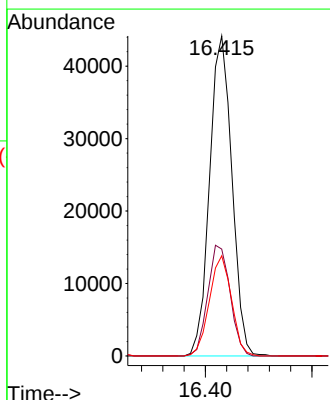
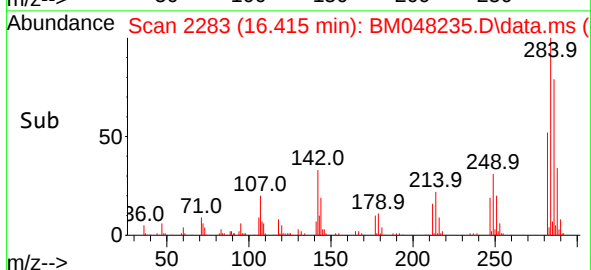
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

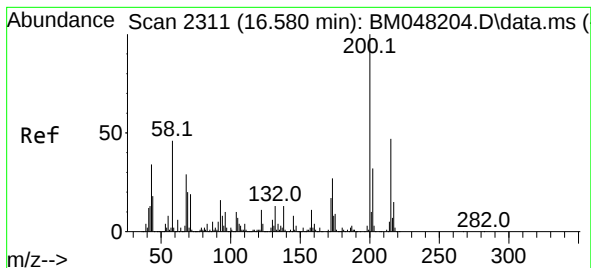


#68
Hexachlorobenzene
Concen: 3.358 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17



Tgt Ion:284 Resp: 64305
Ion Ratio Lower Upper
284 100
142 33.4 27.0 40.4
249 31.3 24.6 36.8





#69

Atrazine

Concen: 3.950 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

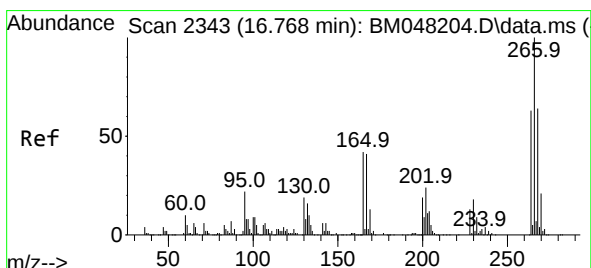
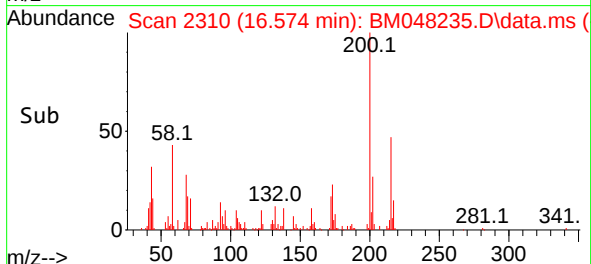
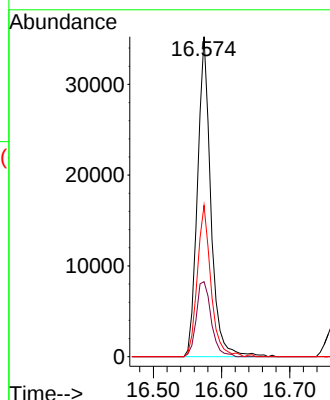
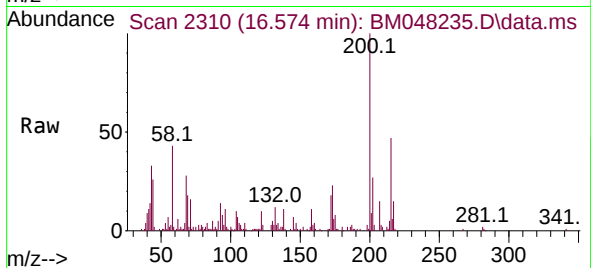
Tgt Ion:200 Resp: 47714
 Ion Ratio Lower Upper
 200 100
 173 23.5 6.5 46.5
 215 47.3 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#70

Pentachlorophenol

Concen: 2.582 ng

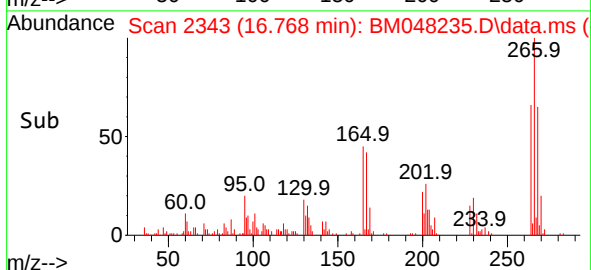
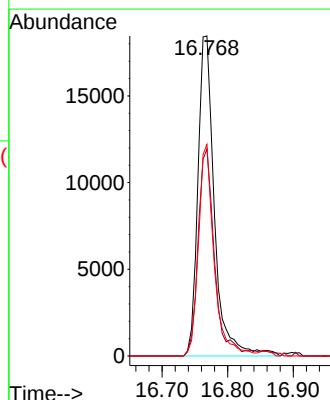
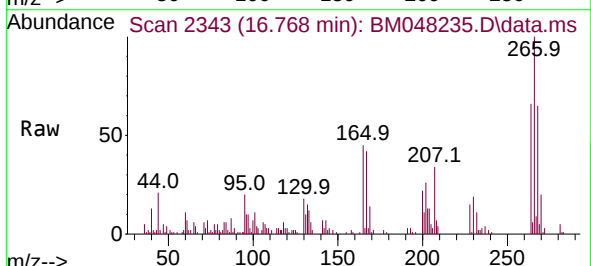
RT: 16.768 min Scan# 2343

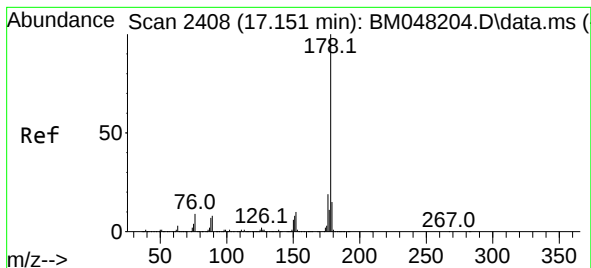
Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:266 Resp: 32464
 Ion Ratio Lower Upper
 266 100
 268 64.7 50.8 76.2
 264 66.1 50.2 75.2





#71

Phenanthrene

Concen: 3.520 ng

RT: 17.145 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

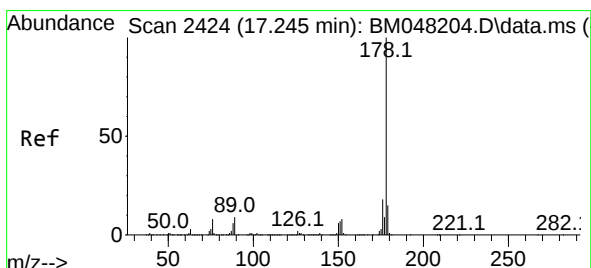
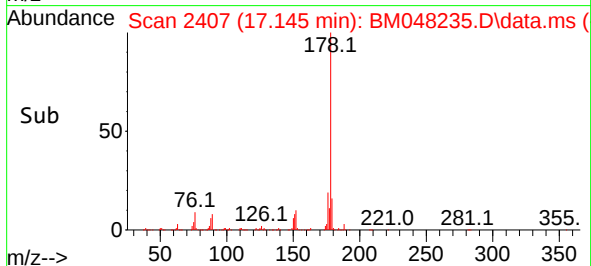
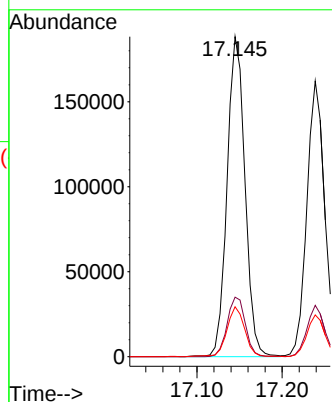
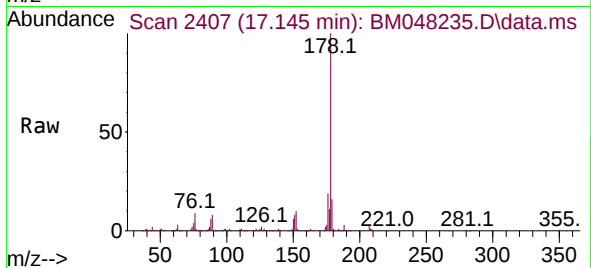
Tgt Ion:178 Resp: 274120
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 15.6 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#72

Anthracene

Concen: 3.261 ng

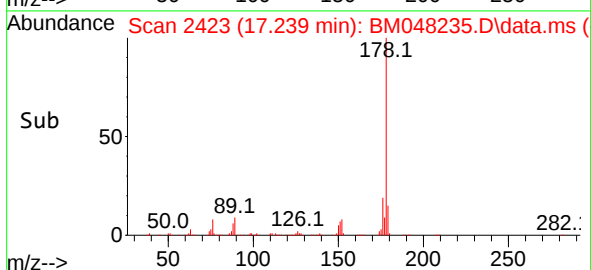
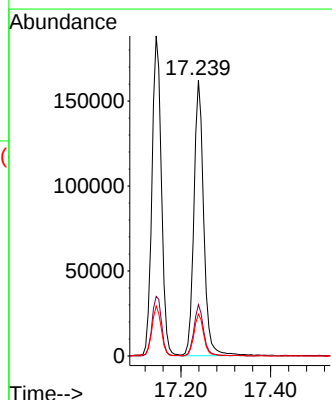
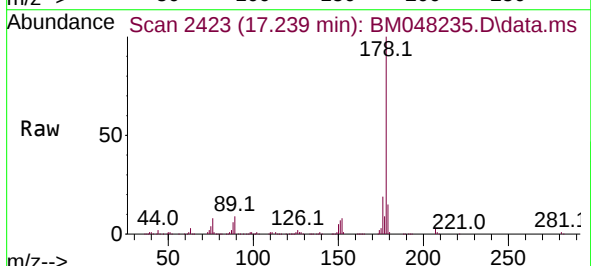
RT: 17.239 min Scan# 2423

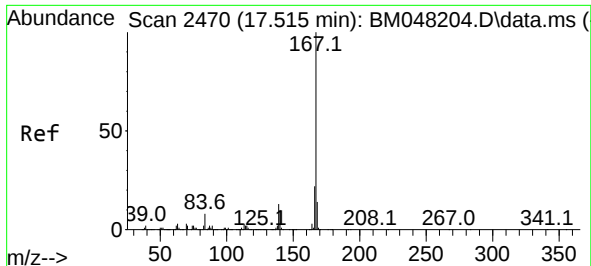
Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

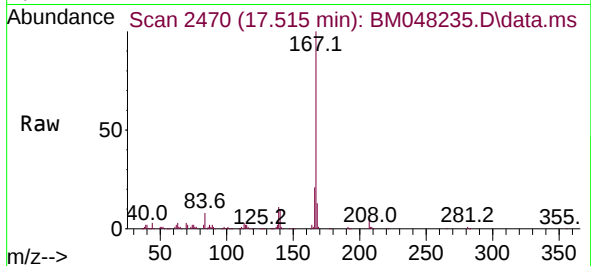
Tgt Ion:178 Resp: 245854
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.1 12.2 18.2





#73
 Carbazole
 Concen: 3.074 ng
 RT: 17.515 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BM048235.D
 Acq: 25 Oct 2024 14:17

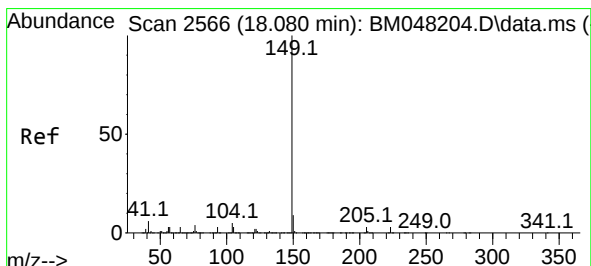
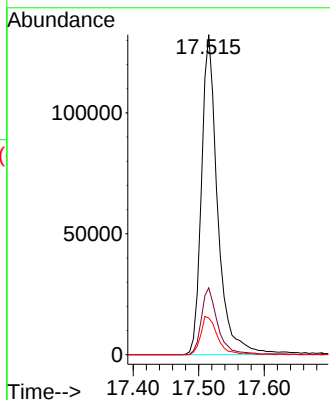
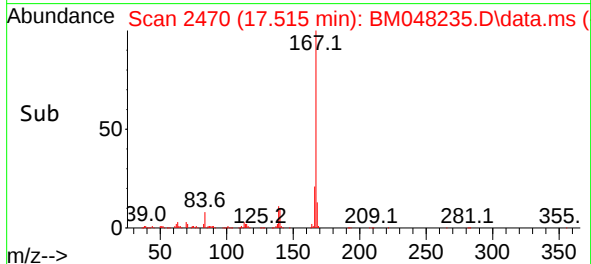
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2024



Tgt Ion:167 Resp: 227140
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.2 25.8
 139 11.4 10.4 15.6

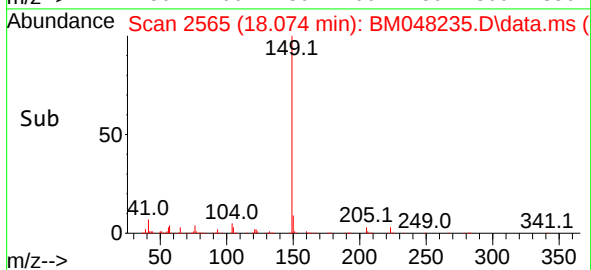
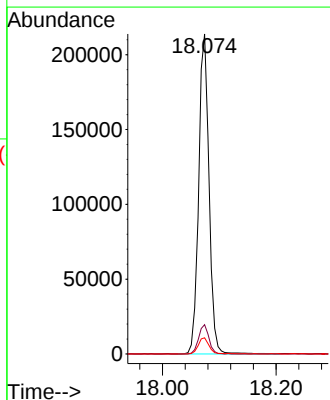
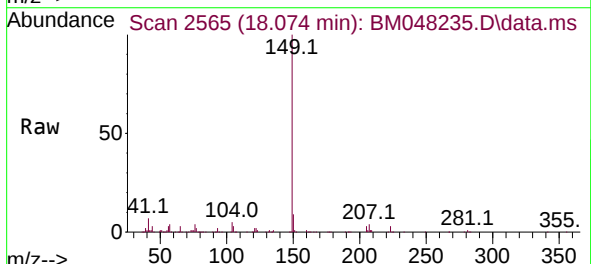
Manual Integrations
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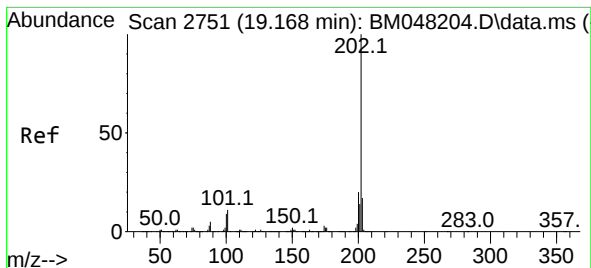
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/28/2024



#74
 Di-n-butylphthalate
 Concen: 2.942 ng
 RT: 18.074 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BM048235.D
 Acq: 25 Oct 2024 14:17

Tgt Ion:149 Resp: 270595
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 5.0 3.8 5.6





#75

Fluoranthene

Concen: 3.144 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048235.D

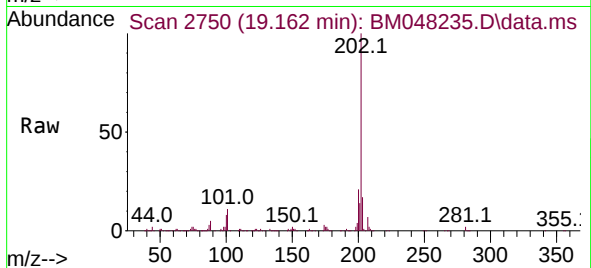
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



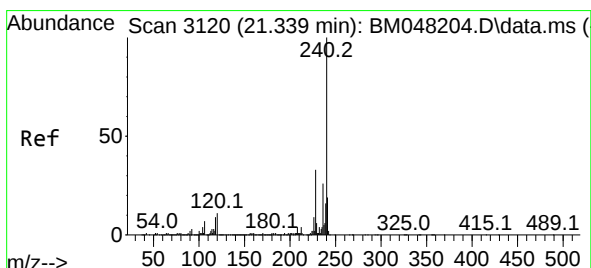
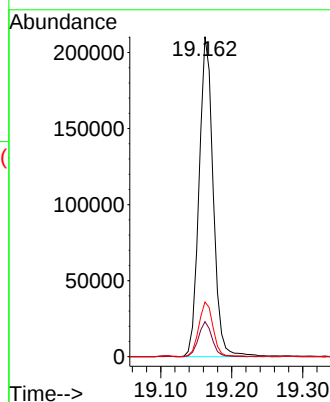
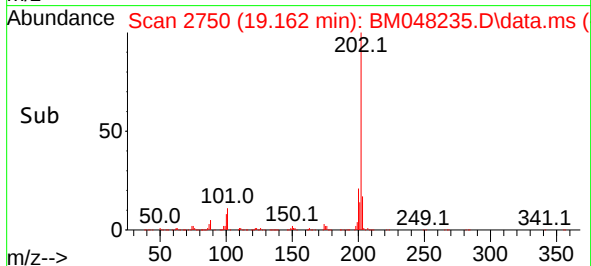
Tgt Ion:	202	Resp:	292084
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.0
203	17.1	0.0	37.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#76

Chrysene-d12

Concen: 20.000 ng

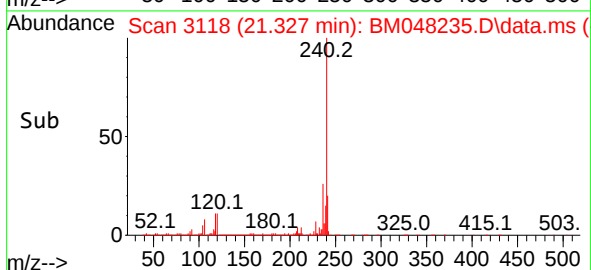
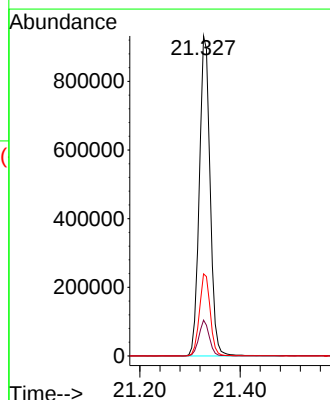
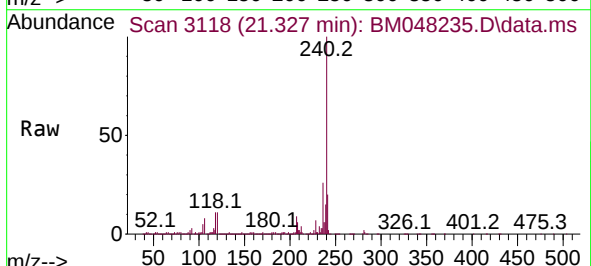
RT: 21.327 min Scan# 3118

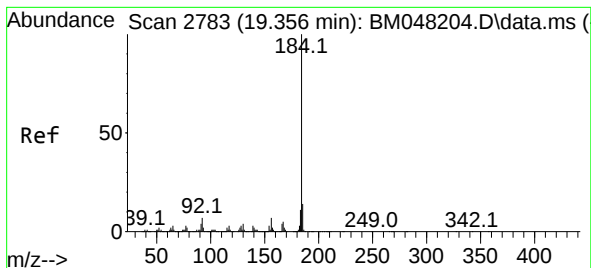
Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:	240	Resp:	1387154
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.6	13.0
236	25.6	20.7	31.1





#77

Benzidine

Concen: 2.297 ng

RT: 19.356 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

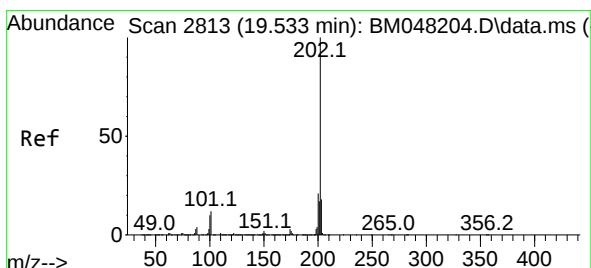
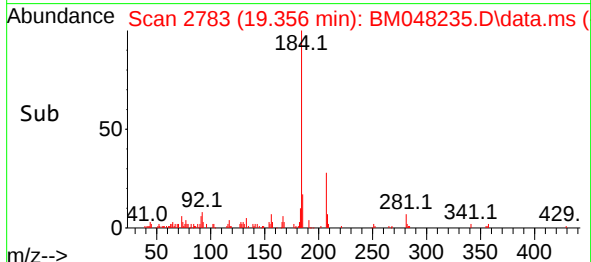
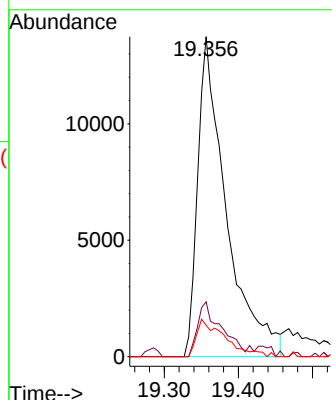
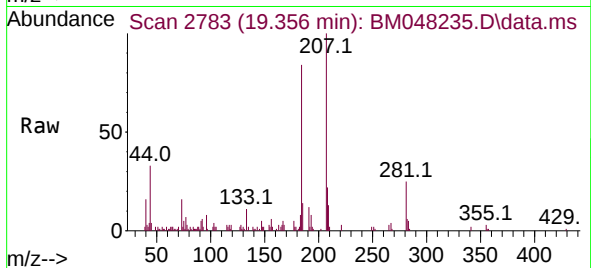
Tgt Ion:	184	Resp:	36772
Ion Ratio	Lower	Upper	
184	100		
185	17.2	11.4	17.0
183	9.9	9.0	13.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#78

Pyrene

Concen: 3.300 ng

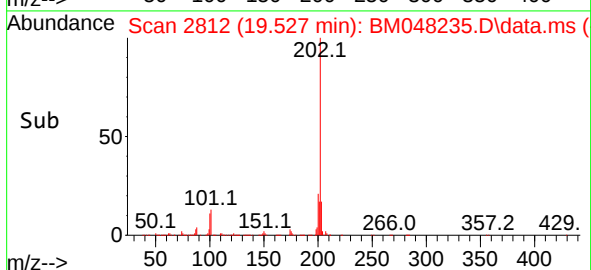
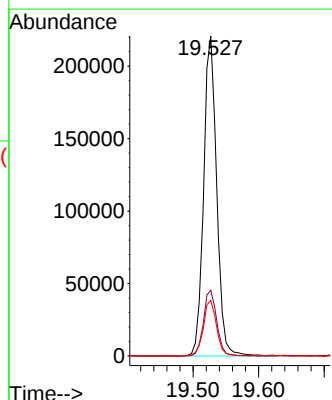
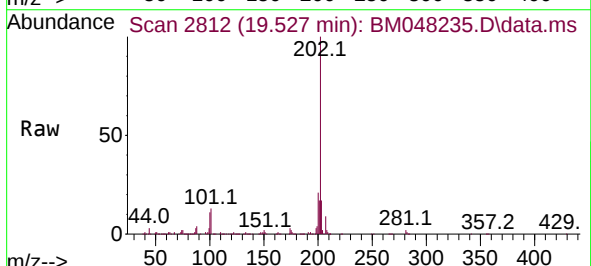
RT: 19.527 min Scan# 2812

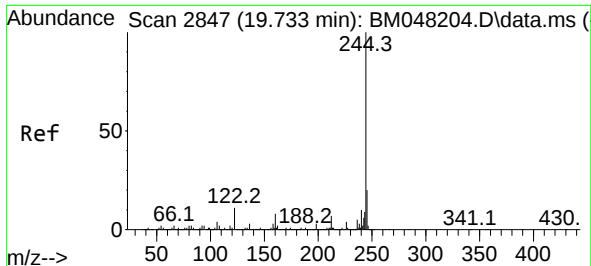
Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

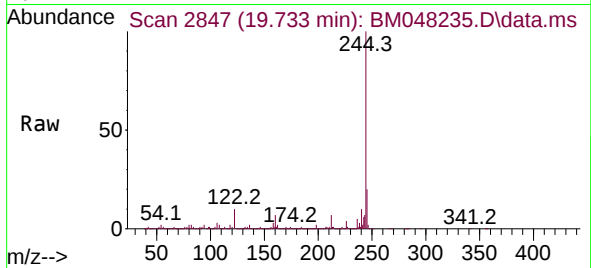
Tgt Ion:	202	Resp:	306418
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	17.4	14.1	21.1





#79
 Terphenyl-d14
 Concen: 65.184 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM048235.D
 Acq: 25 Oct 2024 14:17

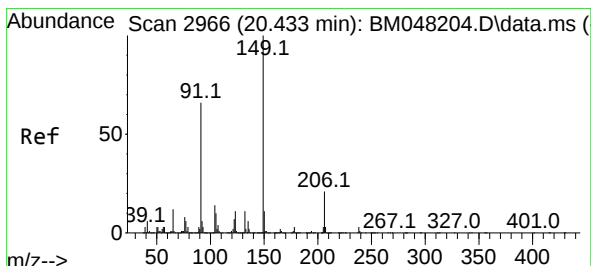
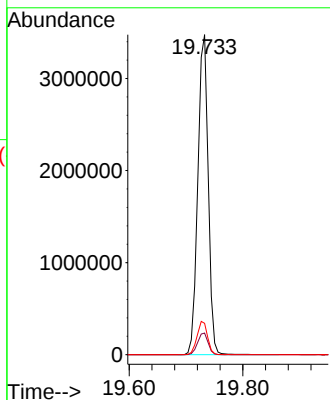
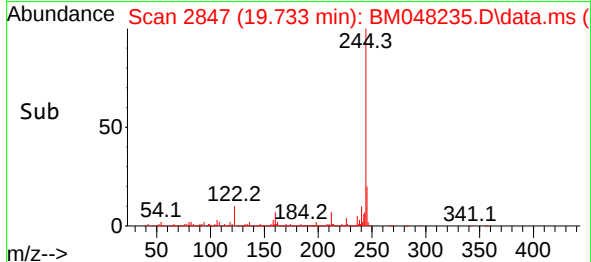
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2024



Tgt Ion:244 Resp: 443077
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.8 8.8 13.2

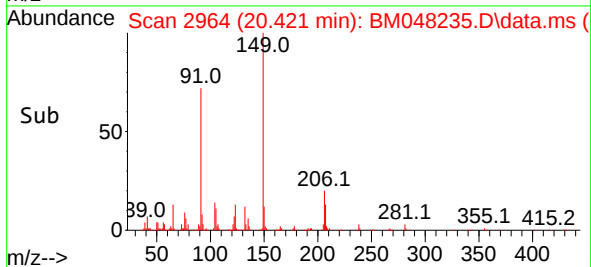
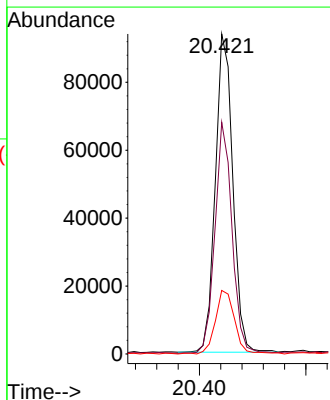
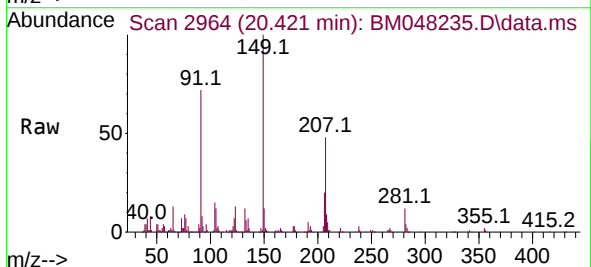
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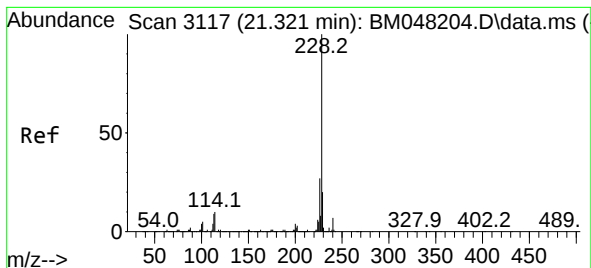
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/28/2024



#80
 Butylbenzylphthalate
 Concen: 2.739 ng
 RT: 20.421 min Scan# 2964
 Delta R.T. -0.012 min
 Lab File: BM048235.D
 Acq: 25 Oct 2024 14:17

Tgt Ion:149 Resp: 106343
 Ion Ratio Lower Upper
 149 100
 91 72.4 52.5 78.7
 206 19.9 17.0 25.6





#81

Benzo(a)anthracene

Concen: 3.383 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:228 Resp: 29984

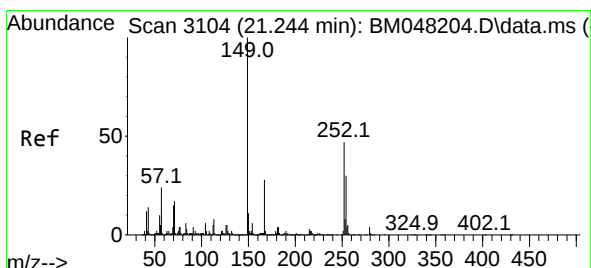
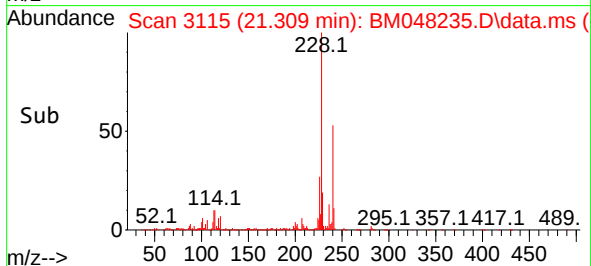
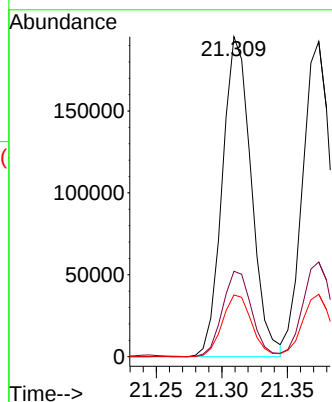
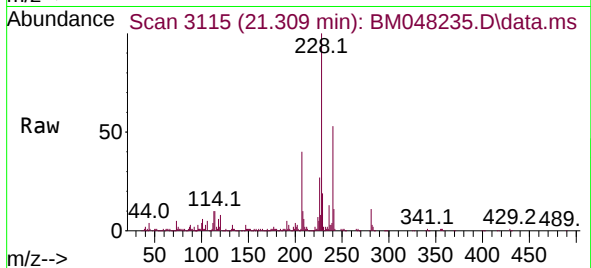
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.5	32.3
229	19.3	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#82

3,3'-Dichlorobenzidine

Concen: 2.895 ng

RT: 21.244 min Scan# 3104

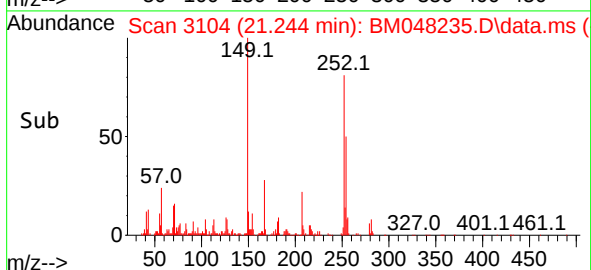
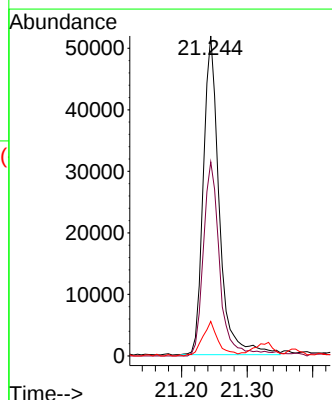
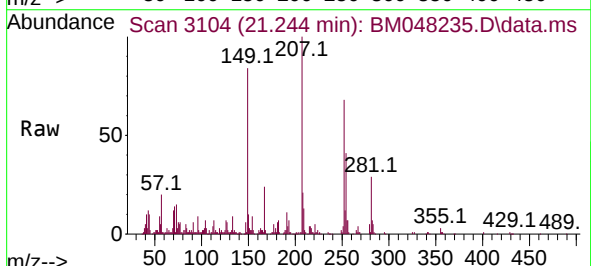
Delta R.T. 0.000 min

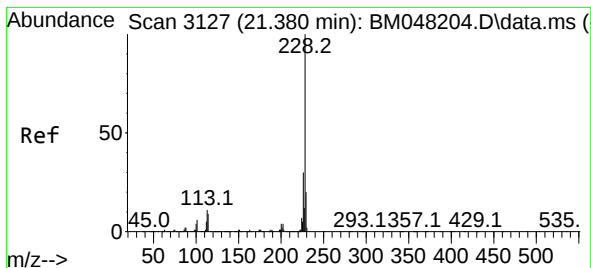
Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:252 Resp: 87910

Ion	Ratio	Lower	Upper
252	100		
254	60.7	51.8	77.8
126	10.8	8.8	13.2





#83

Chrysene

Concen: 3.424 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:228 Resp: 29131

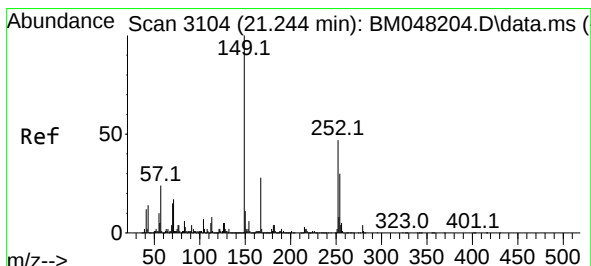
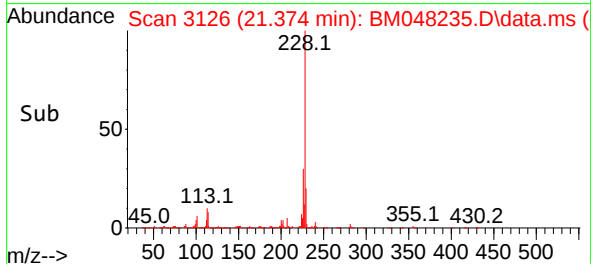
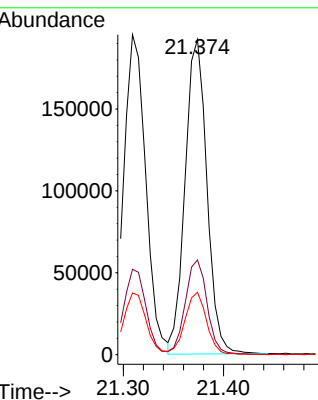
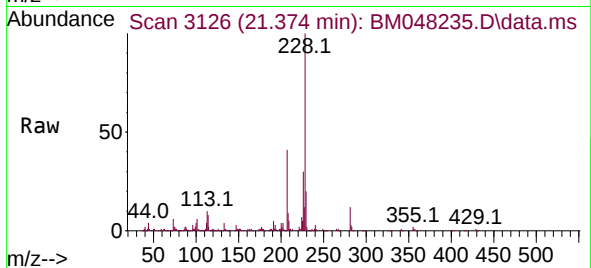
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	19.8	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.829 ng

RT: 21.233 min Scan# 3102

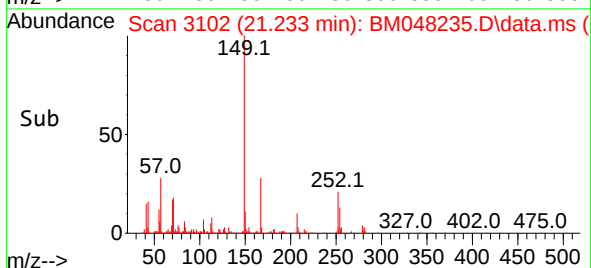
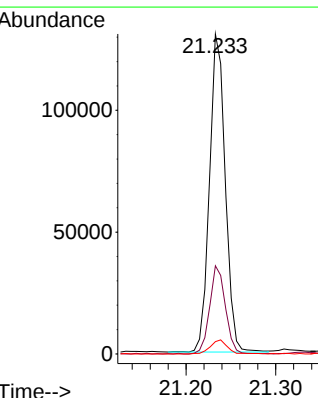
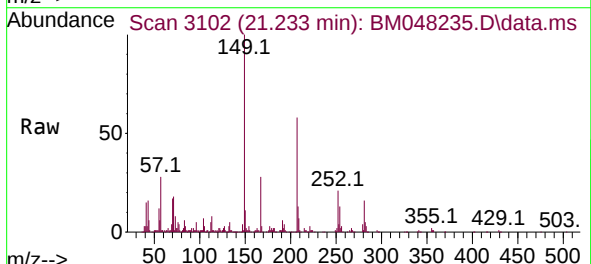
Delta R.T. -0.012 min

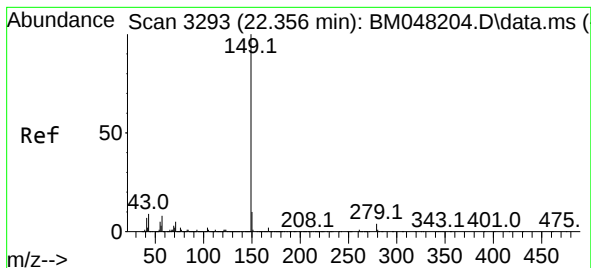
Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:149 Resp: 159647

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	3.8	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 2.412 ng

RT: 22.344 min Scan# 3291

Delta R.T. -0.012 min

Lab File: BM048235.D

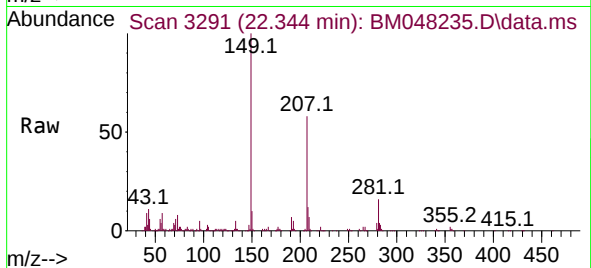
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:149 Resp: 235728

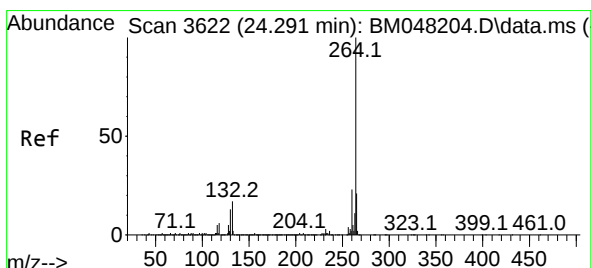
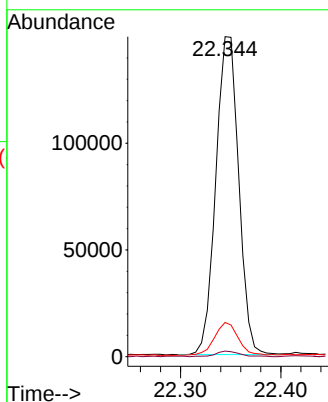
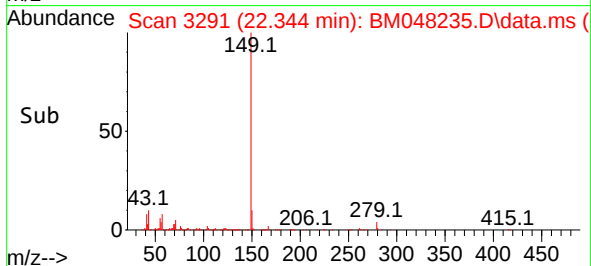
Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.2	1.8
43	11.4	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.280 min Scan# 3620

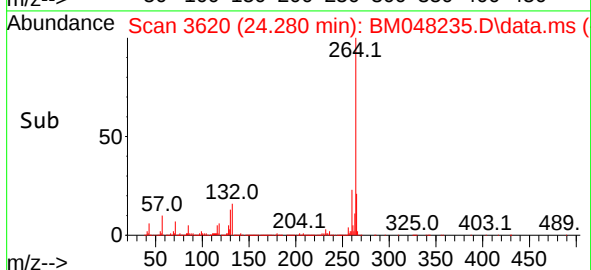
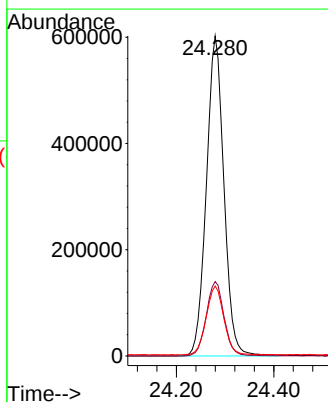
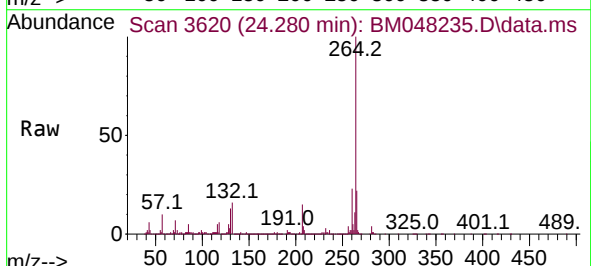
Delta R.T. -0.012 min

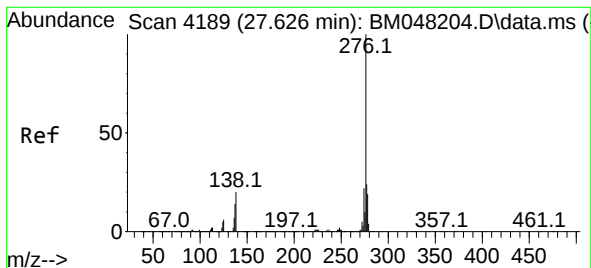
Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:264 Resp: 1501452

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.8	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.299 ng

RT: 27.597 min Scan# 4189

Delta R.T. -0.029 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

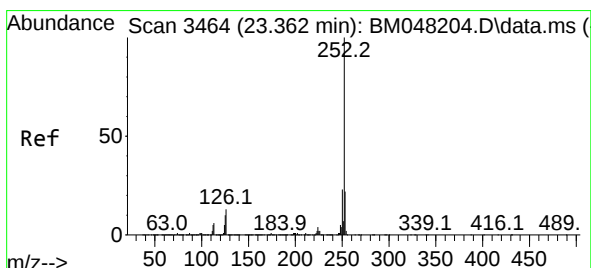
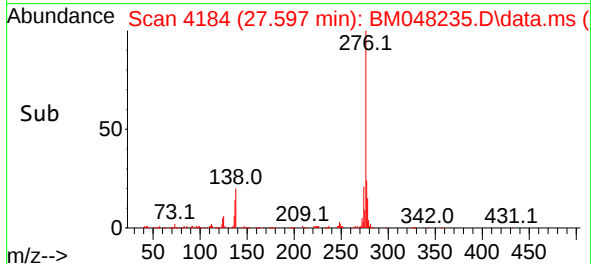
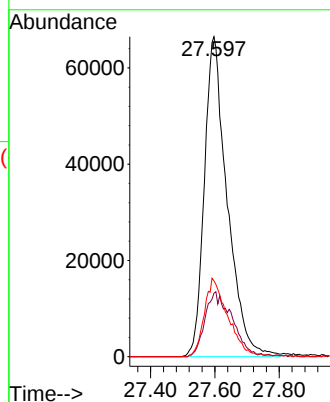
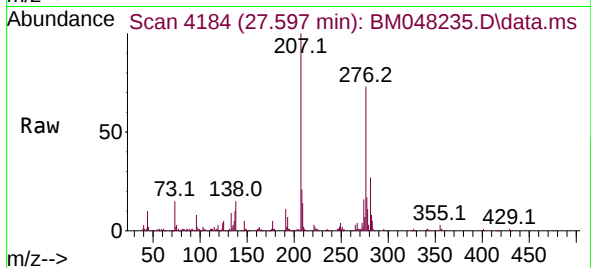
Tgt Ion:	276	Resp:	32756
Ion Ratio	Lower	Upper	
276	100		
138	23.9	19.8	29.6
277	25.3	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#88

Benzo(b)fluoranthene

Concen: 3.257 ng

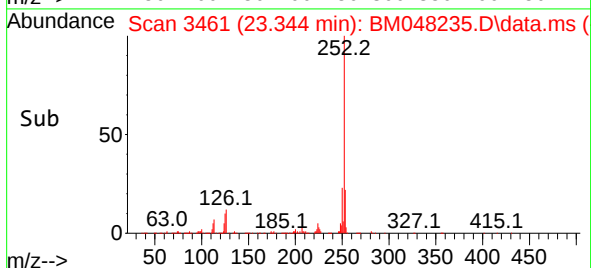
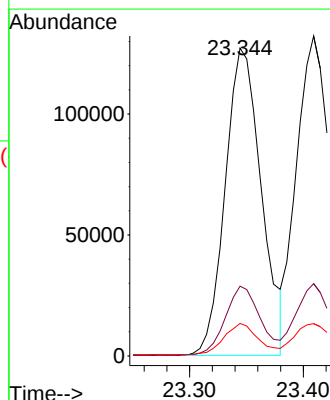
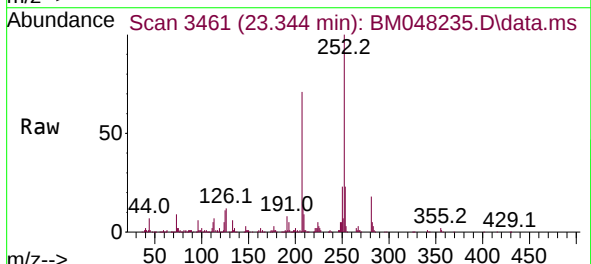
RT: 23.344 min Scan# 3461

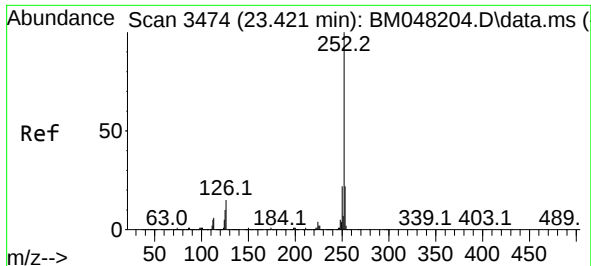
Delta R.T. -0.018 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

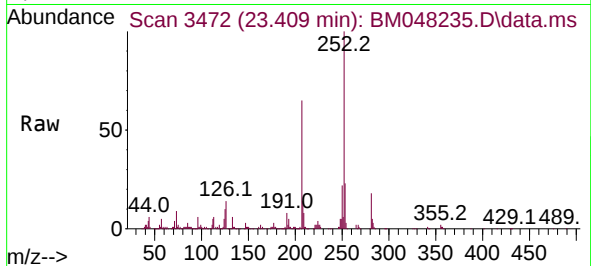
Tgt Ion:	252	Resp:	280420
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	10.5	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 3.388 ng
RT: 23.409 min Scan# 3474
Delta R.T. -0.012 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

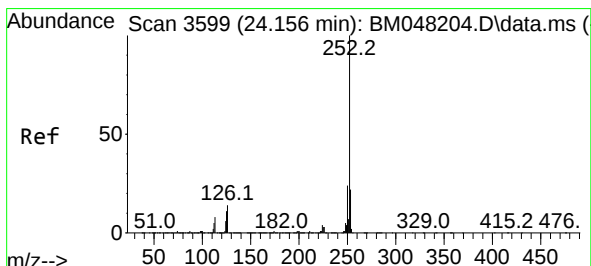
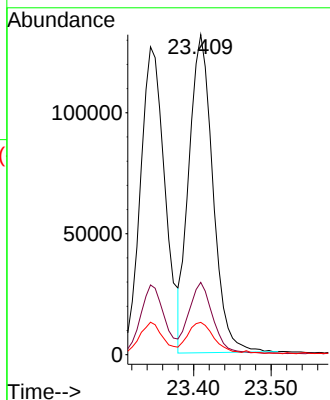
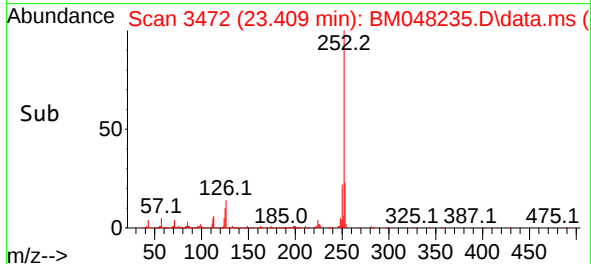
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:252 Resp: 28196
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.1 7.8 11.6

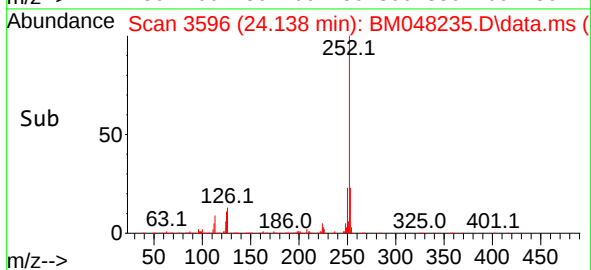
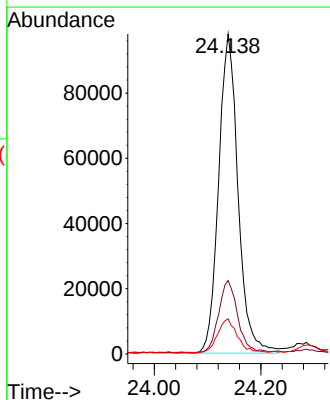
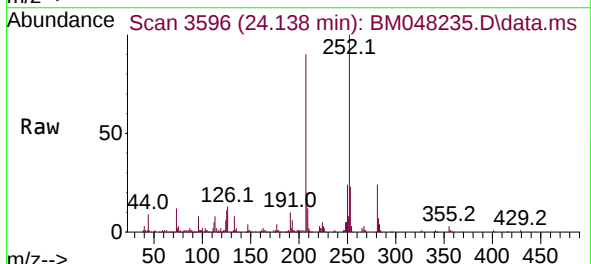
Manual Integrations
APPROVED

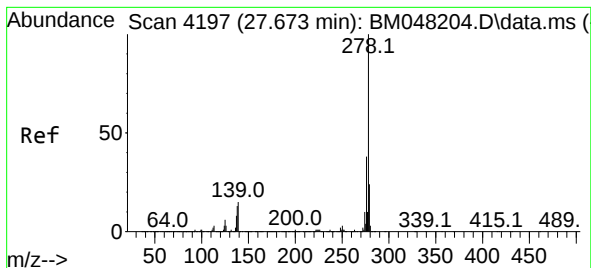
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#90
Benzo(a)pyrene
Concen: 3.310 ng
RT: 24.138 min Scan# 3596
Delta R.T. -0.018 min
Lab File: BM048235.D
Acq: 25 Oct 2024 14:17

Tgt Ion:252 Resp: 247747
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.237 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM048235.D

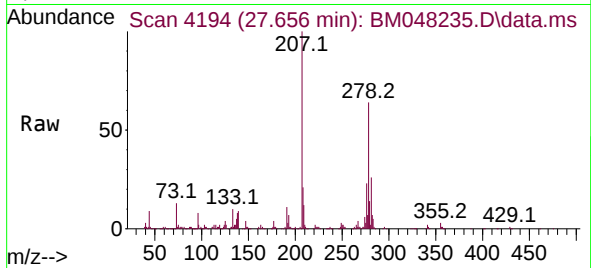
Acq: 25 Oct 2024 14:17

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:278 Resp: 267670

Ion Ratio Lower Upper

278 100

139 14.3 12.2 18.4

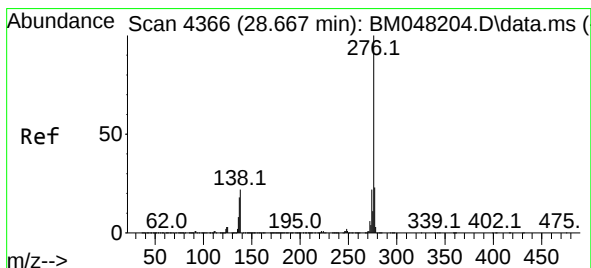
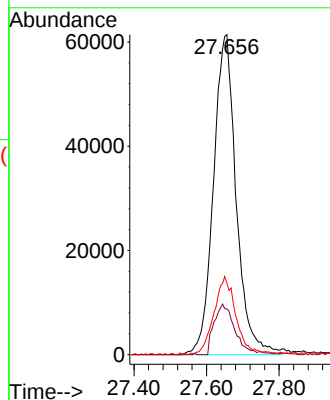
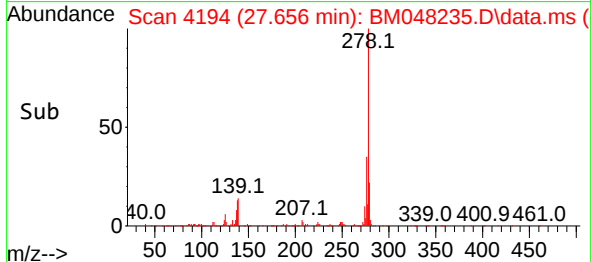
279 22.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#92

Benzo(g,h,i)perylene

Concen: 3.025 ng

RT: 28.632 min Scan# 4360

Delta R.T. -0.035 min

Lab File: BM048235.D

Acq: 25 Oct 2024 14:17

Tgt Ion:276 Resp: 256082

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 21.9 17.5 26.3

