

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
 Data File : BM048236.D
 Acq On : 25 Oct 2024 14:56
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-8 ng
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 25 15:38:33 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	248197	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	994379	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	618564	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1213573	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1085827	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1182885	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1838945	124.545	ng	0.00
7) Phenol-d6	6.899	99	2420598	125.881	ng	0.00
23) Nitrobenzene-d5	8.875	82	1620350	92.007	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	942411	124.472	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	3572390	88.622	ng	0.00
79) Terphenyl-d14	19.727	244	4280539	80.450	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.199	88	50352	8.331	ng	99
3) Pyridine	3.610	79	118981	7.411	ng	98
4) n-Nitrosodimethylamine	3.516	42	57442	8.426	ng	# 95
6) Aniline	7.051	93	169748	10.635	ng	99
8) 2-Chlorophenol	7.287	128	137196	8.553	ng	99
9) Benzaldehyde	6.863	77	114403m	12.109	ng	
10) Phenol	6.922	94	161295	8.337	ng	92
11) bis(2-Chloroethyl)ether	7.146	93	129969	8.434	ng	98
12) 1,3-Dichlorobenzene	7.604	146	153980	8.326	ng	99
13) 1,4-Dichlorobenzene	7.751	146	158897	8.457	ng	98
14) 1,2-Dichlorobenzene	8.069	146	151125	8.323	ng	99
15) Benzyl Alcohol	7.963	79	100406	8.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.240	45	204177	9.059	ng	98
17) 2-Methylphenol	8.169	107	97906	7.616	ng	99
18) Hexachloroethane	8.793	117	56731	8.238	ng	99
19) n-Nitroso-di-n-propyla...	8.522	70	99701	8.195	ng	98
20) 3+4-Methylphenols	8.498	107	136972	7.691	ng	99
22) Acetophenone	8.540	105	206610	8.514	ng	# 99
24) Nitrobenzene	8.916	77	151859	8.322	ng	100
25) Isophorone	9.445	82	260730	8.077	ng	100
26) 2-Nitrophenol	9.628	139	62797	7.453	ng	96
27) 2,4-Dimethylphenol	9.692	122	56971	5.574	ng	94
28) bis(2-Chloroethoxy)met...	9.922	93	166095	8.131	ng	98
29) 2,4-Dichlorophenol	10.169	162	115902	7.882	ng	97
30) 1,2,4-Trichlorobenzene	10.369	180	136997	8.135	ng	97
31) Naphthalene	10.557	128	422770	8.152	ng	100
32) Benzoic acid	9.792	122	55830	4.907	ng	95
33) 4-Chloroaniline	10.675	127	148910	8.853	ng	99
34) Hexachlorobutadiene	10.845	225	82247	7.880	ng	98
35) Caprolactam	11.457	113	31217	6.535	ng	98
36) 4-Chloro-3-methylphenol	11.810	107	112712	7.343	ng	98
37) 2-Methylnaphthalene	12.175	142	279808	8.075	ng	99
38) 1-Methylnaphthalene	12.392	142	257580	7.496	ng	100
40) 1,2,4,5-Tetrachloroben...	12.545	216	149297	8.444	ng	100
41) Hexachlorocyclopentadiene	12.522	237	30531	5.103	ng	97
43) 2,4,6-Trichlorophenol	12.792	196	89172	7.600	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	97160	7.426	ng	98
46) 1,1'-Biphenyl	13.192	154	380530	8.616	ng	99
47) 2-Chloronaphthalene	13.233	162	284926	8.182	ng	98
48) 2-Nitroaniline	13.445	65	69589	7.368	ng	98
49) Acenaphthylene	14.080	152	436439	8.591	ng	98
50) Dimethylphthalate	13.822	163	335092	7.935	ng	98
51) 2,6-Dinitrotoluene	13.939	165	67072	7.119	ng	93
52) Acenaphthene	14.422	154	258993	8.023	ng	99
53) 3-Nitroaniline	14.275	138	63511	7.148	ng	98
54) 2,4-Dinitrophenol	14.492	184	27650	5.022	ng	93
55) Dibenzofuran	14.763	168	426740	8.321	ng	99
56) 4-Nitrophenol	14.604	139	46106	5.814	ng	97
57) 2,4-Dinitrotoluene	14.733	165	85488	6.871	ng	93
58) Fluorene	15.410	166	333065	8.213	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	85187	7.855	ng	99
60) Diethylphthalate	15.186	149	325219	7.607	ng	98
61) 4-Chlorophenyl-phenyle...	15.404	204	165867	8.180	ng	98
62) 4-Nitroaniline	15.439	138	57704	6.275	ng	98
63) Azobenzene	15.698	77	309995	8.090	ng	99
65) 4,6-Dinitro-2-methylph...	15.498	198	43983	6.246	ng	92
66) n-Nitrosodiphenylamine	15.621	169	270934	8.133	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	100327	8.154	ng	97
68) Hexachlorobenzene	16.416	284	119274	8.071	ng	98
69) Atrazine	16.574	200	91176	9.781	ng	98
70) Pentachlorophenol	16.763	266	65750	6.777	ng	97
71) Phenanthrene	17.145	178	509187	8.473	ng	99
72) Anthracene	17.239	178	458948	7.889	ng	100
73) Carbazole	17.510	167	443170	7.771	ng	99
74) Di-n-butylphthalate	18.074	149	525250	7.400	ng	100
75) Fluoranthene	19.162	202	545405	7.609	ng	100
77) Benzidine	19.357	184	132340	10.561	ng	99
78) Pyrene	19.527	202	586500	8.070	ng	99
80) Butylbenzylphthalate	20.421	149	219715	7.229	ng	94
81) Benzo(a)anthracene	21.309	228	566812	8.169	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	188618	7.936	ng	100
83) Chrysene	21.374	228	549478	8.250	ng	99
84) Bis(2-ethylhexyl)phtha...	21.233	149	329863	7.468	ng	100
85) Di-n-octyl phthalate	22.345	149	512221	6.695	ng	98
87) Indeno(1,2,3-cd)pyrene	27.597	276	651633	8.331	ng	99
88) Benzo(b)fluoranthene	23.345	252	542202	7.994	ng	100
89) Benzo(k)fluoranthene	23.409	252	565806	8.629	ng	98
90) Benzo(a)pyrene	24.139	252	493703	8.373	ng	99
91) Dibenzo(a,h)anthracene	27.644	278	540054	8.291	ng	97
92) Benzo(g,h,i)perylene	28.632	276	514981	7.721	ng	97

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

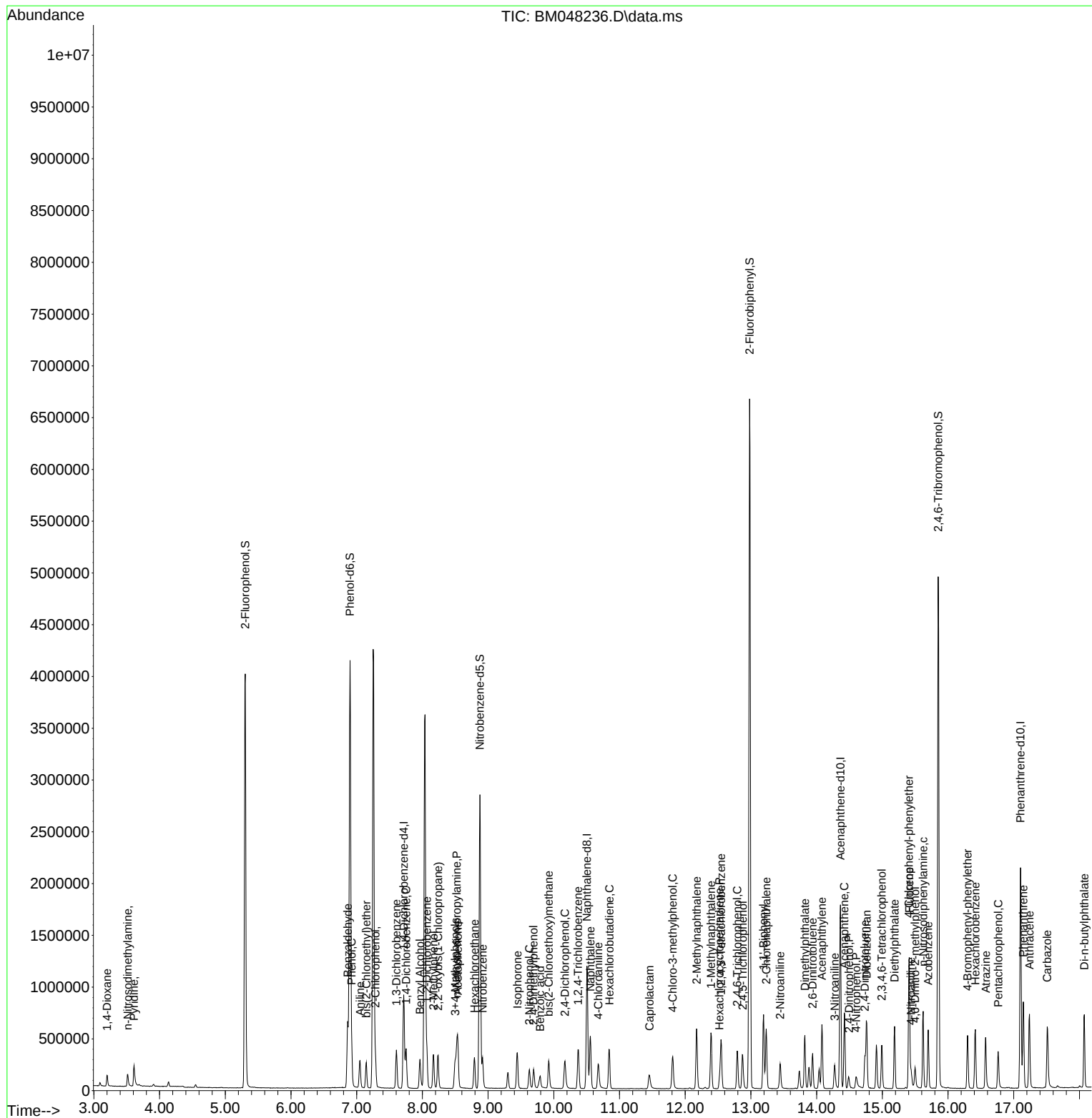
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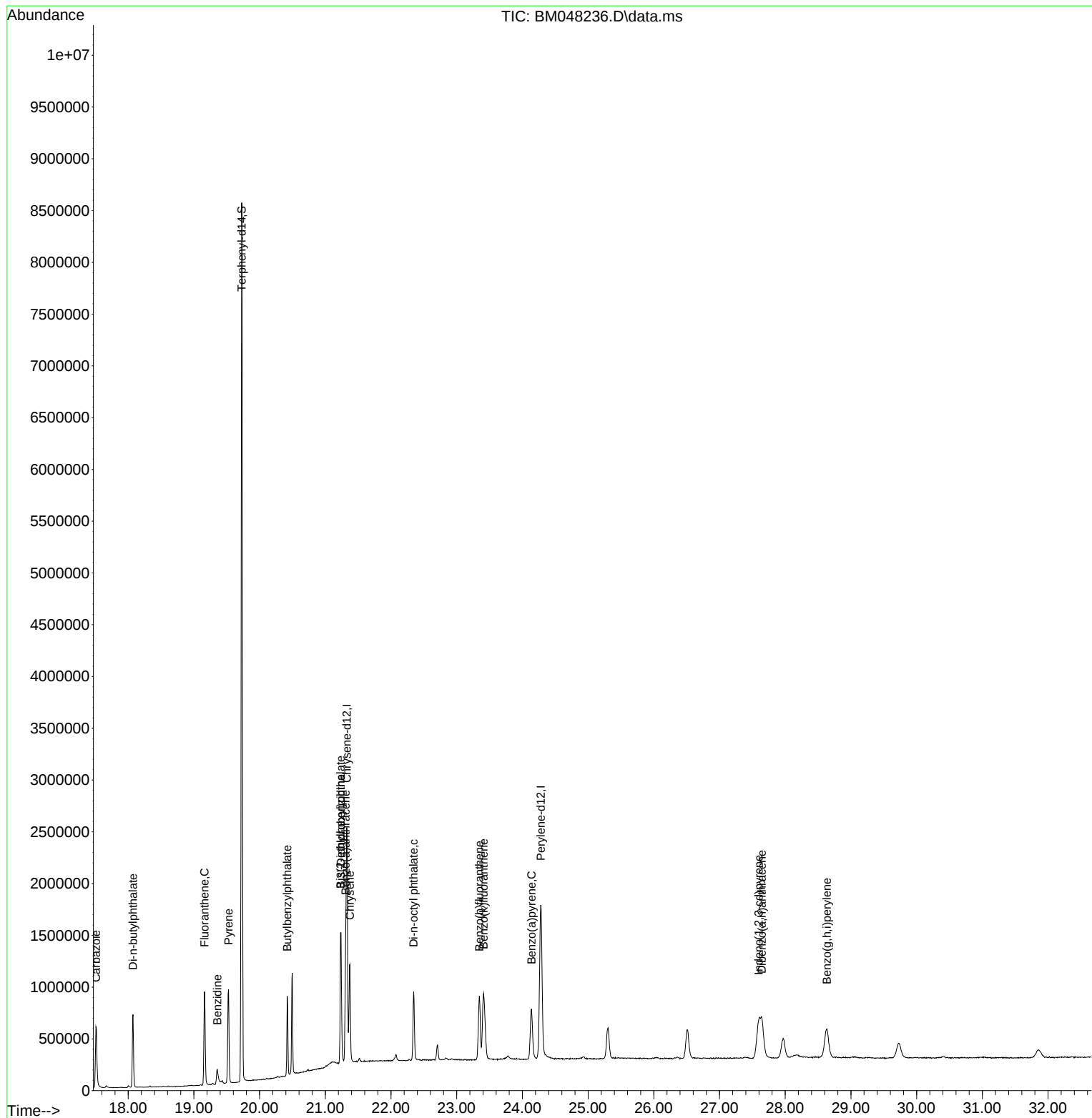
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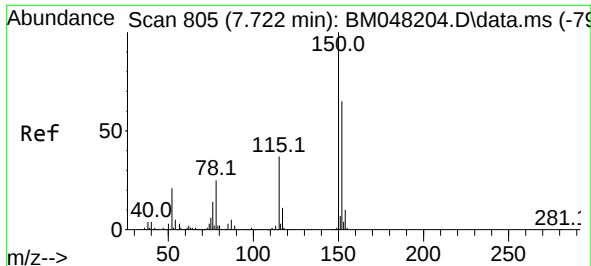
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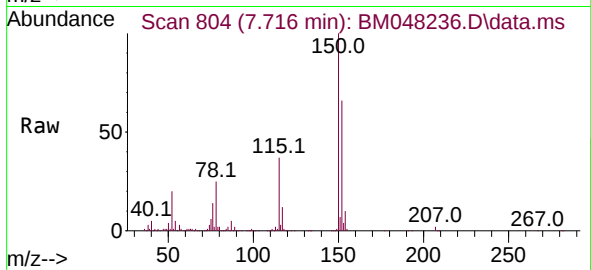
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

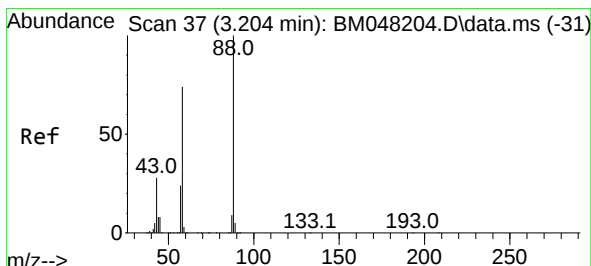
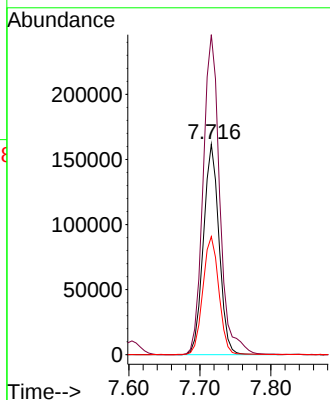
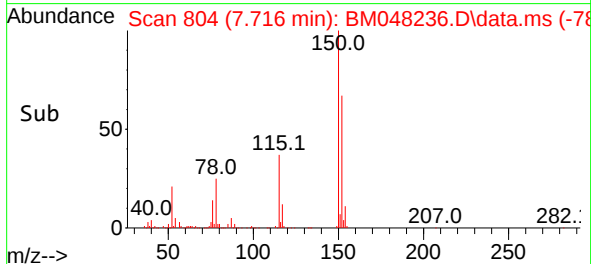
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 152 Resp: 24819
Ion Ratio Lower Upper
152 100
150 152.0 123.0 184.6
115 56.1 45.8 68.6

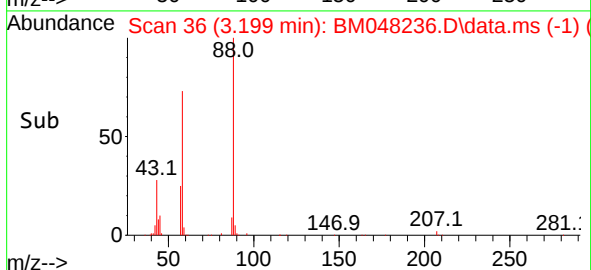
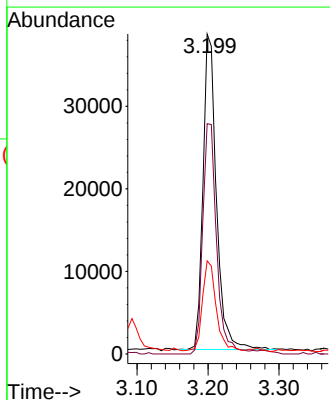
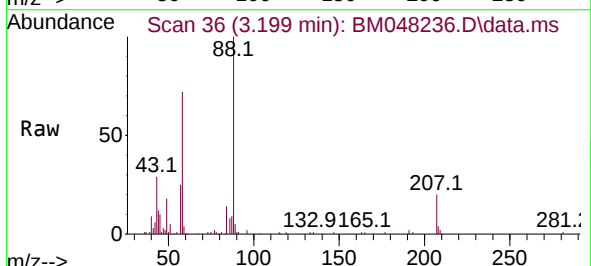
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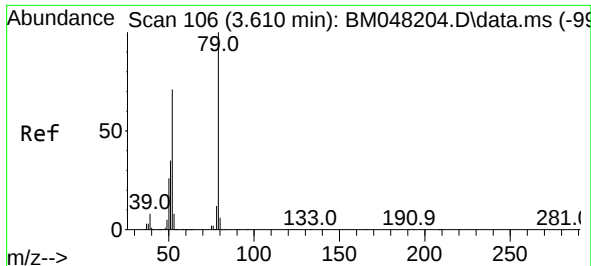
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#2
1,4-Dioxane
Concen: 8.331 ng
RT: 3.199 min Scan# 36
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

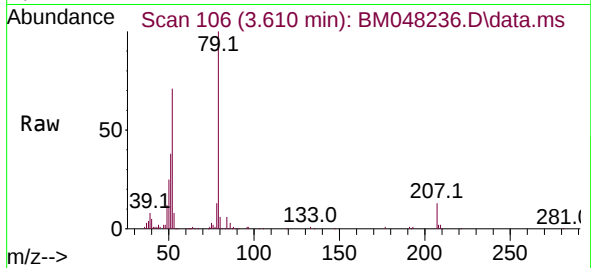
Tgt Ion: 88 Resp: 50352
Ion Ratio Lower Upper
88 100
58 75.2 59.7 89.5
43 29.4 22.6 33.8





#3
 Pyridine
 Concen: 7.411 ng
 RT: 3.610 min Scan# 106
 Delta R.T. 0.000 min
 Lab File: BM048236.D
 Acq: 25 Oct 2024 14:56

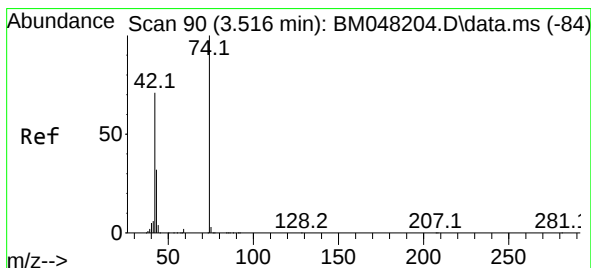
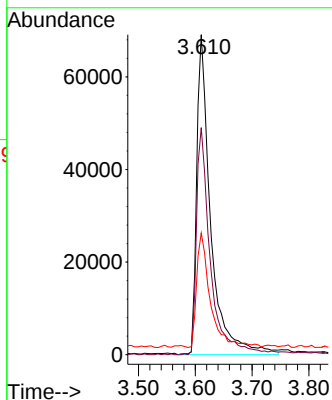
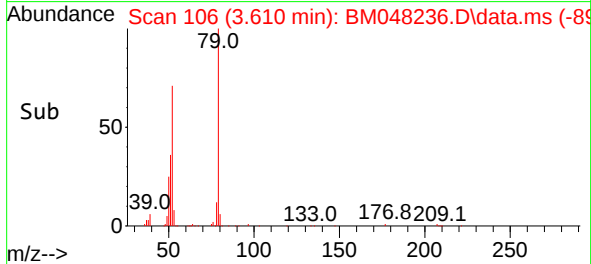
Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT4-2024



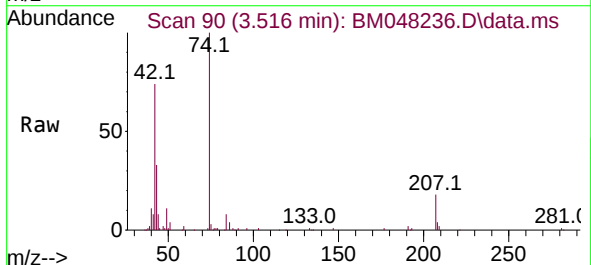
Tgt Ion: 79 Resp: 11898
 Ion Ratio Lower Upper
 79 100
 52 70.9 56.5 84.7
 51 38.1 28.5 42.7

Manual Integrations
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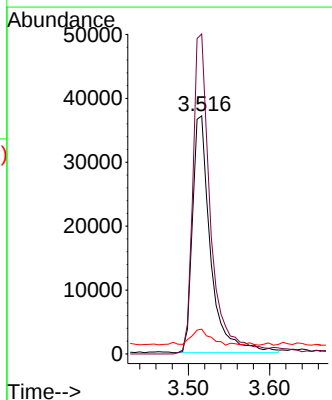
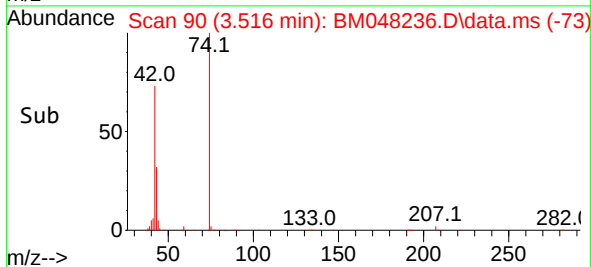
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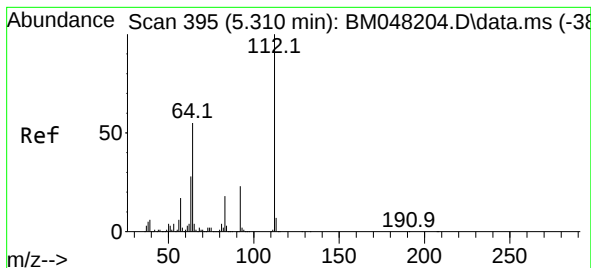


#4
 n-Nitrosodimethylamine
 Concen: 8.426 ng
 RT: 3.516 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: BM048236.D
 Acq: 25 Oct 2024 14:56



Tgt Ion: 42 Resp: 57442
 Ion Ratio Lower Upper
 42 100
 74 134.5 111.8 167.6
 44 10.4 6.0 9.0





#5

2-Fluorophenol

Concen: 124.545 ng

RT: 5.304 min Scan# 395

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:112 Resp: 183894

Ion Ratio Lower Upper

112 100

64 55.0 44.2 66.2

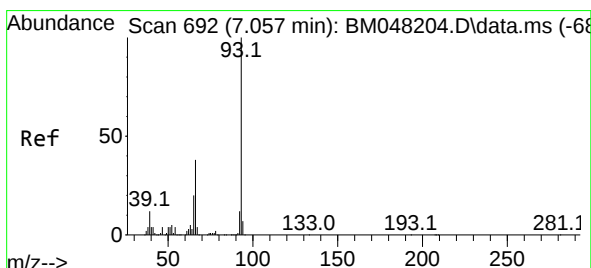
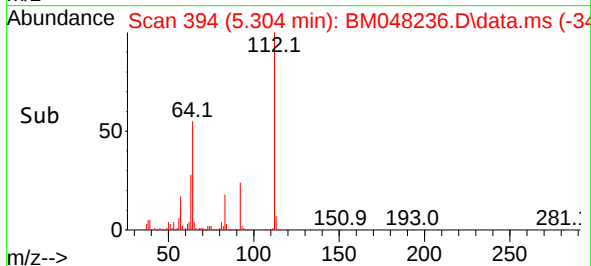
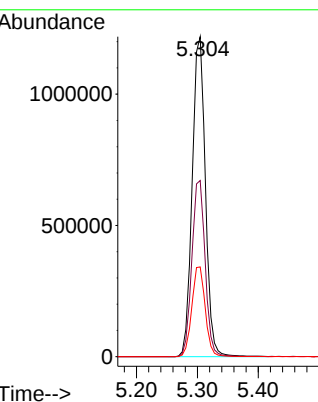
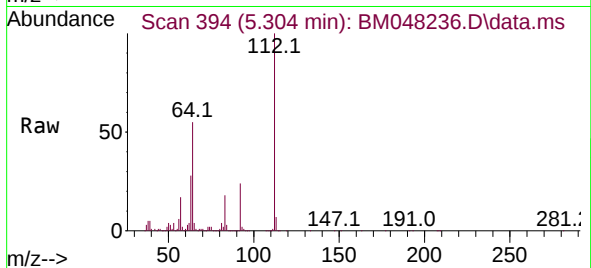
63 28.1 22.7 34.1

Manual Integrations

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#6

Aniline

Concen: 10.635 ng

RT: 7.051 min Scan# 691

Delta R.T. -0.006 min

Lab File: BM048236.D

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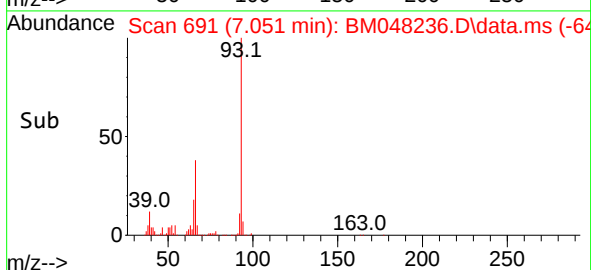
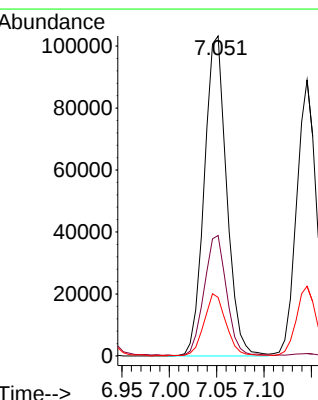
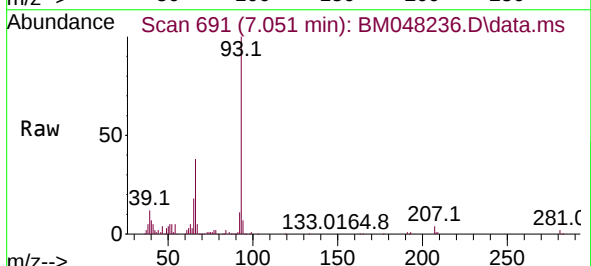
Tgt Ion: 93 Resp: 169748

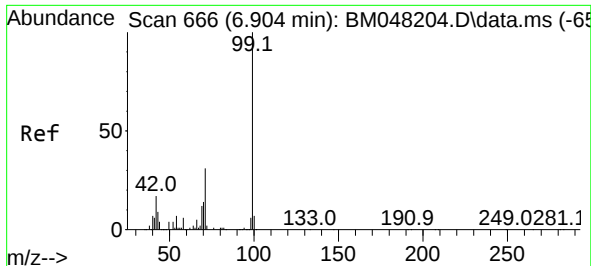
Ion Ratio Lower Upper

93 100

66 37.7 30.2 45.2

65 18.3 16.2 24.2





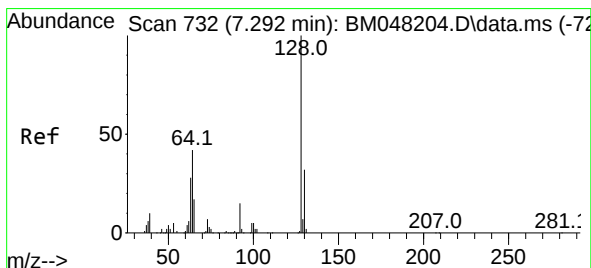
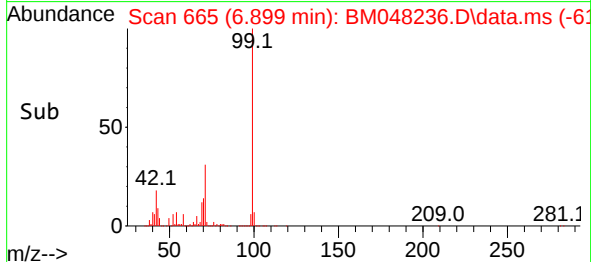
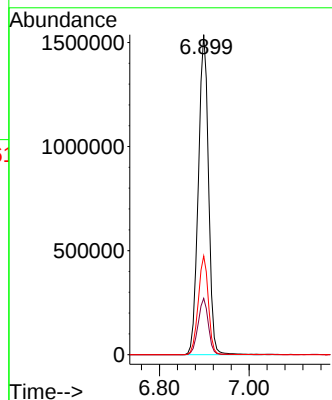
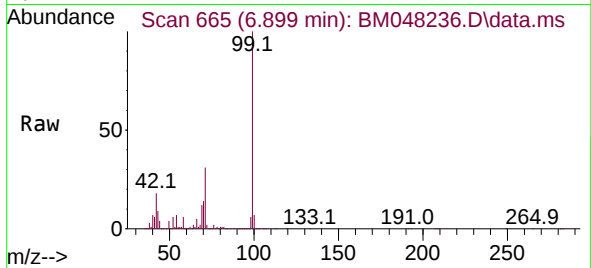
#7
Phenol-d6
Concen: 125.881 ng
RT: 6.899 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion: 99 Resp: 2420598
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 30.9 24.9 37.3

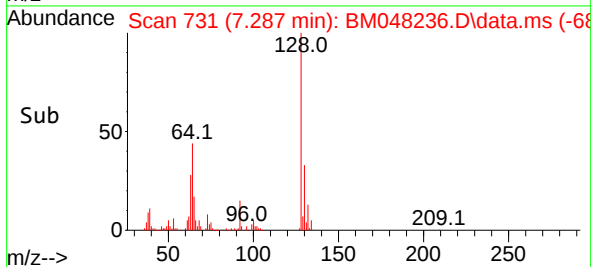
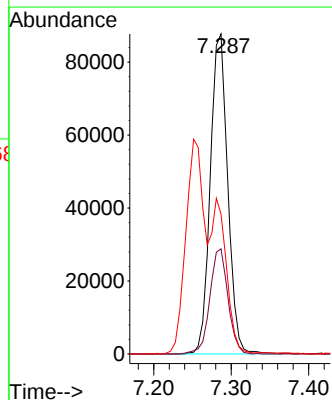
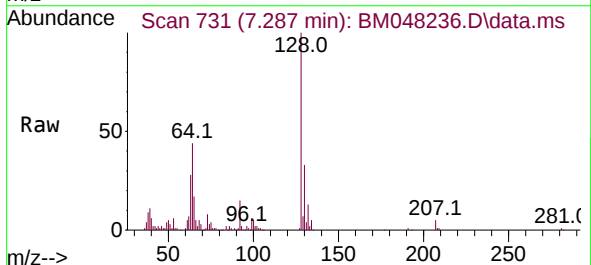
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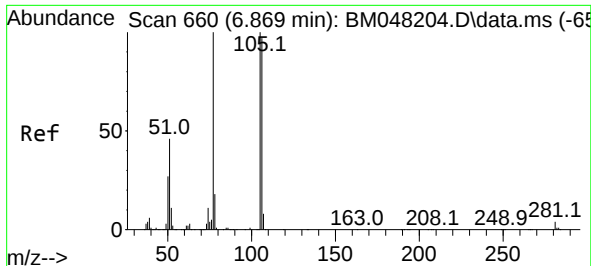
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#8
2-Chlorophenol
Concen: 8.553 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
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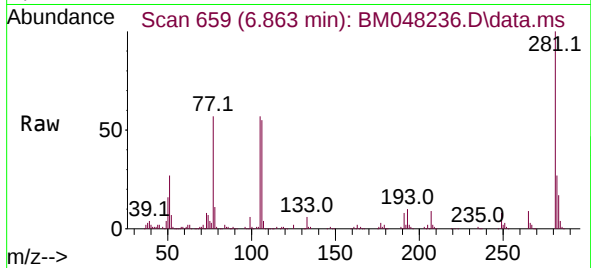
Tgt Ion:128 Resp: 137196
Ion Ratio Lower Upper
128 100
130 32.8 12.1 52.1
64 43.7 23.8 63.8





#9
Benzaldehyde
Concen: 12.109 ng m
RT: 6.863 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

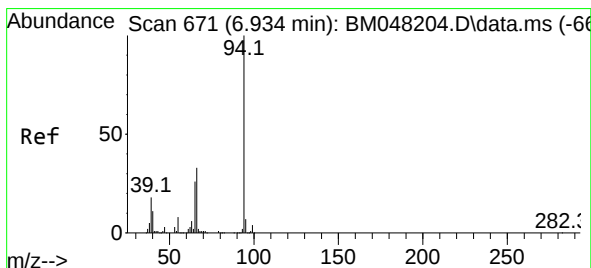
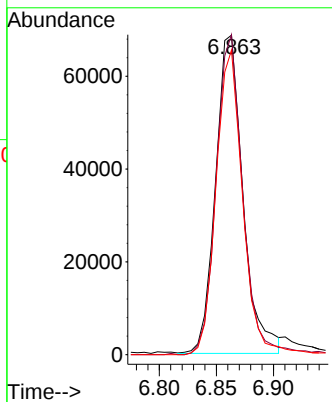
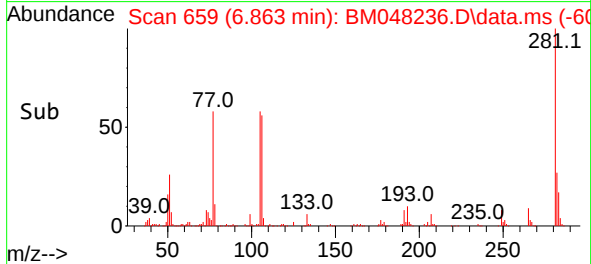
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 77 Resp: 11440
Ion Ratio Lower Upper
77 100
105 100.2 79.6 119.6
106 95.4 77.0 117.0

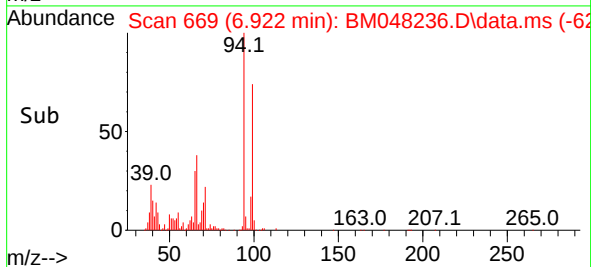
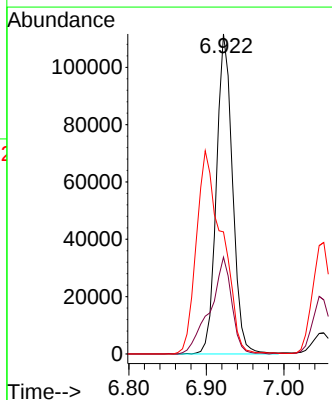
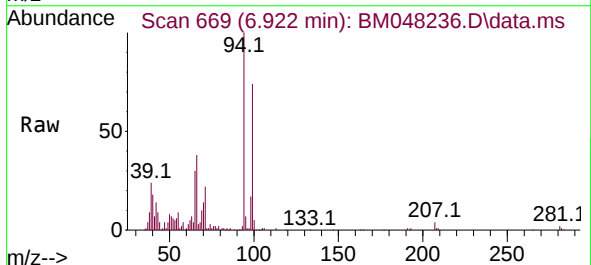
Manual Integrations
APPROVED

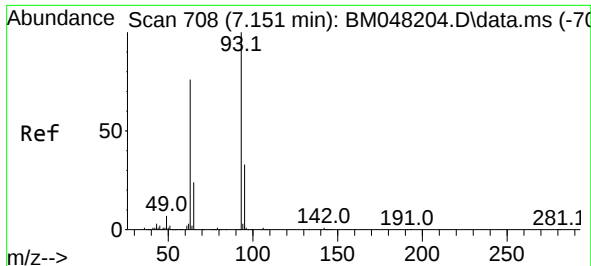
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#10
Phenol
Concen: 8.337 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

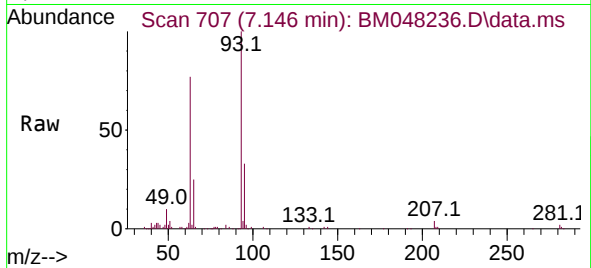
Tgt Ion: 94 Resp: 161295
Ion Ratio Lower Upper
94 100
65 30.2 6.5 46.5
66 38.1 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 8.434 ng
RT: 7.146 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

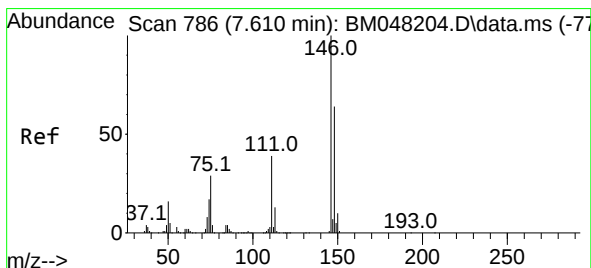
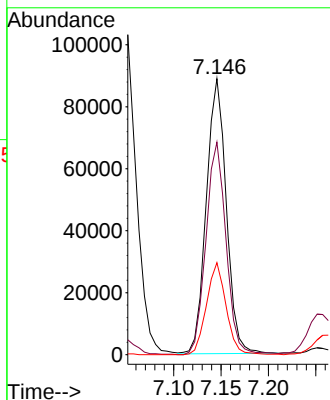
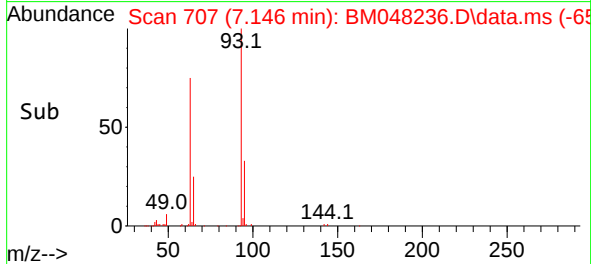
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 93 Resp: 129969
Ion Ratio Lower Upper
93 100
63 77.0 55.3 95.3
95 33.3 12.4 52.4

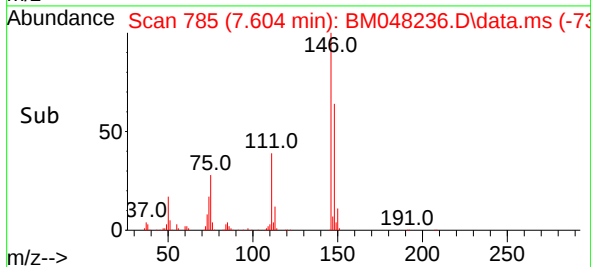
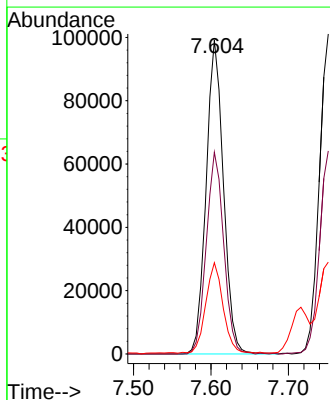
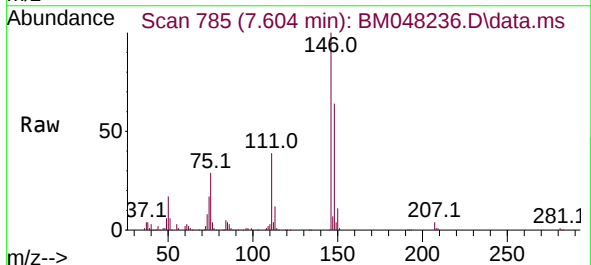
Manual Integrations
APPROVED

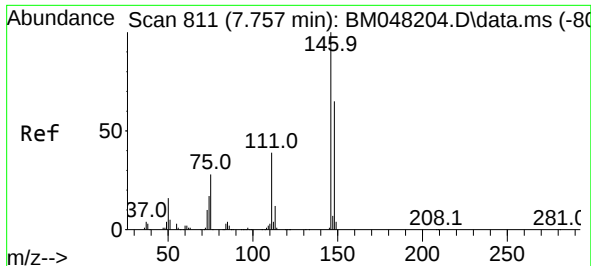
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#12
1,3-Dichlorobenzene
Concen: 8.326 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

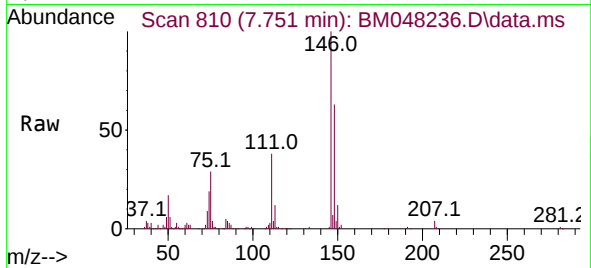
Tgt Ion:146 Resp: 153980
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
75 29.1 22.9 34.3





#13
1,4-Dichlorobenzene
Concen: 8.457 ng
RT: 7.751 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

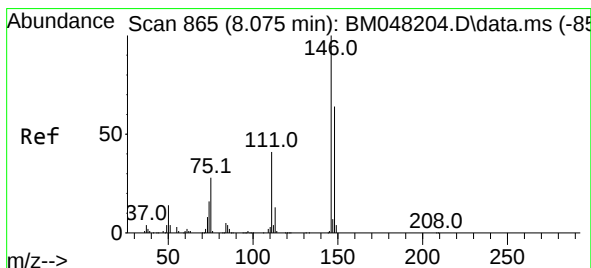
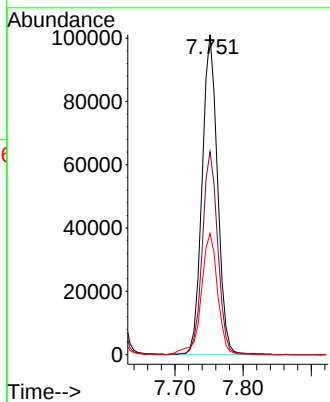
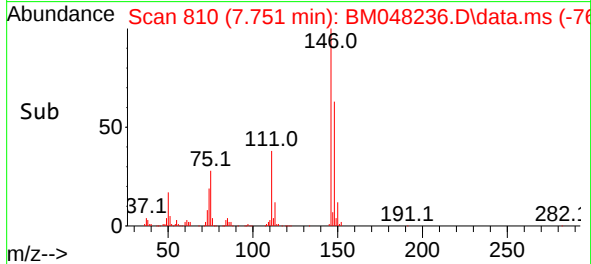
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:146 Resp: 15889
Ion Ratio Lower Upper
146 100
148 63.5 51.7 77.5
111 37.8 31.4 47.2

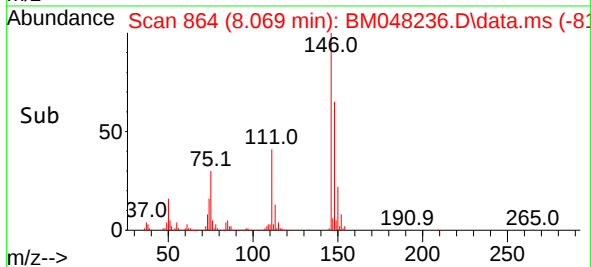
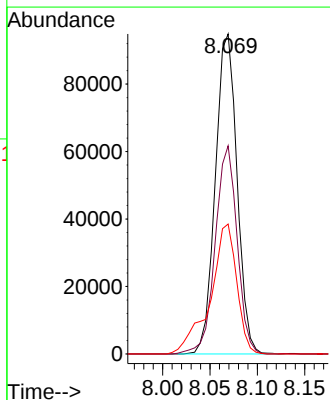
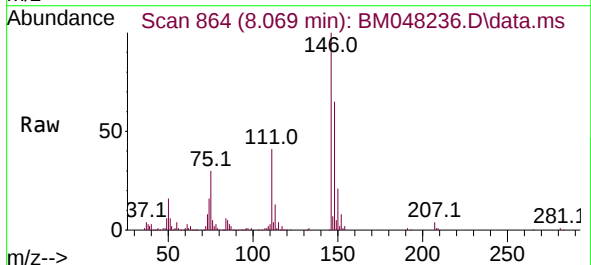
Manual Integrations
APPROVED

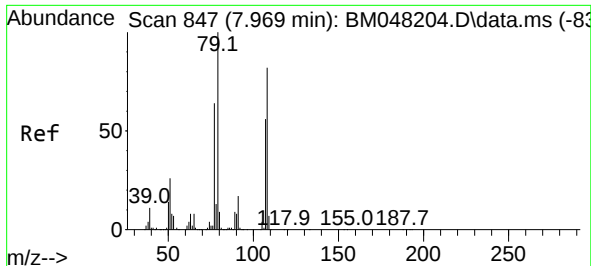
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#14
1,2-Dichlorobenzene
Concen: 8.323 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

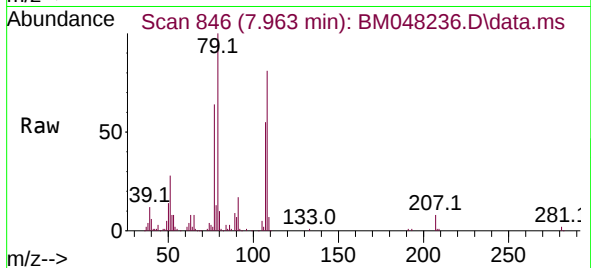
Tgt Ion:146 Resp: 151125
Ion Ratio Lower Upper
146 100
148 65.0 51.3 76.9
111 40.6 32.7 49.1





#15
Benzyl Alcohol
Concen: 8.185 ng
RT: 7.963 min Scan# 847
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

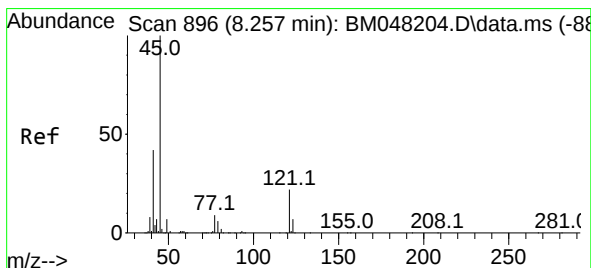
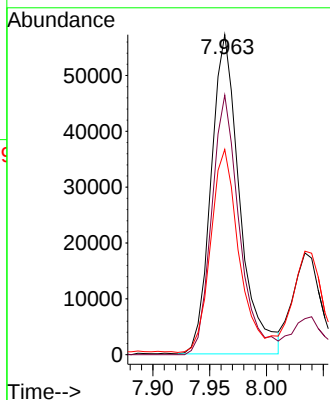
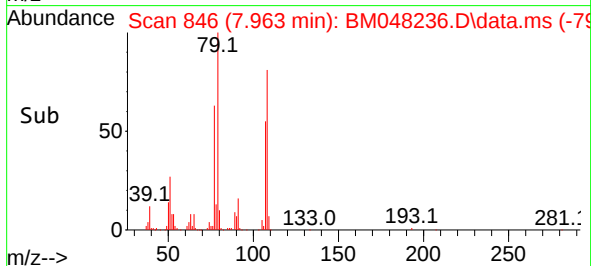
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 79 Resp: 100400
Ion Ratio Lower Upper
79 100
108 81.1 65.2 97.8
77 64.2 51.4 77.2

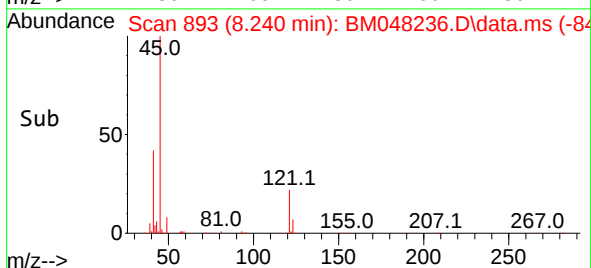
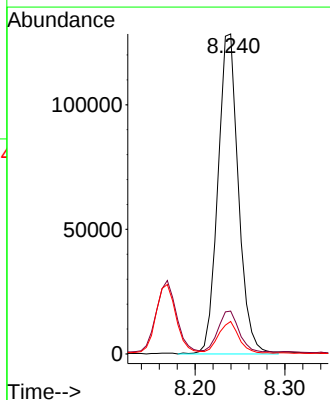
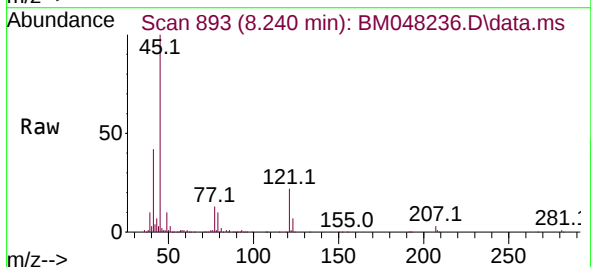
Manual Integrations
APPROVED

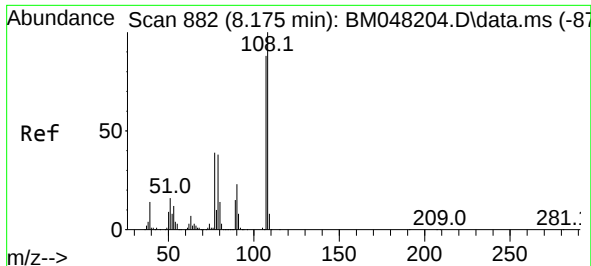
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.059 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

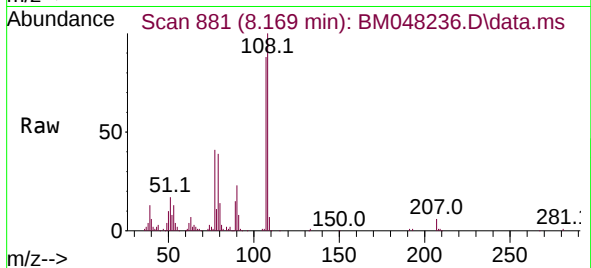
Tgt Ion: 45 Resp: 204177
Ion Ratio Lower Upper
45 100
77 13.4 0.0 34.2
79 10.2 0.0 30.7





#17
2-Methylphenol
Concen: 7.616 ng
RT: 8.169 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

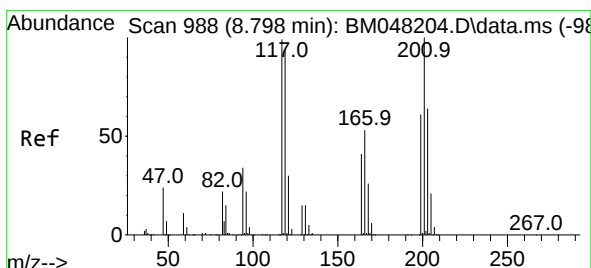
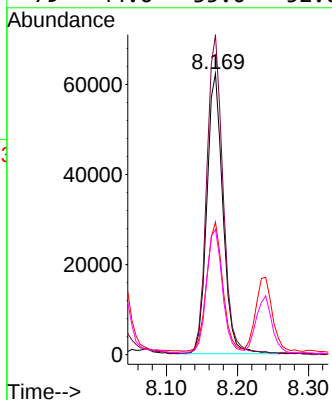
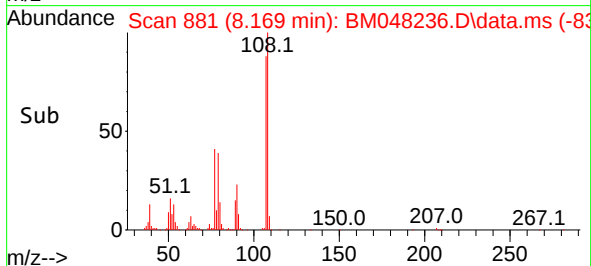
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:	107	Resp:	97900
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.3	136.9
77	47.2	36.2	54.2
79	44.6	35.0	52.6

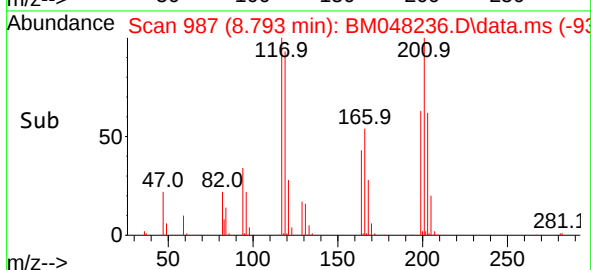
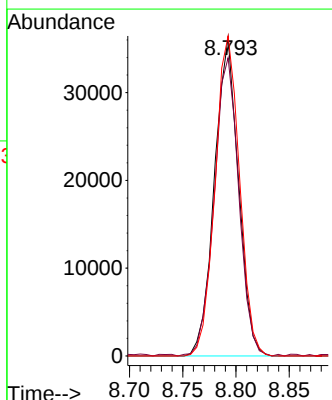
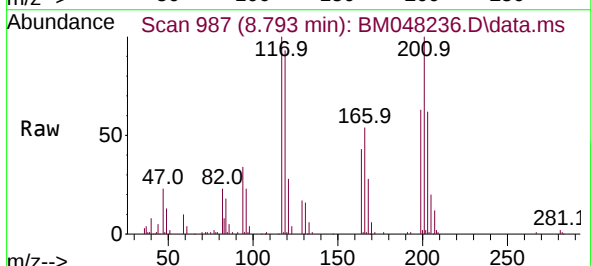
Manual Integrations
APPROVED

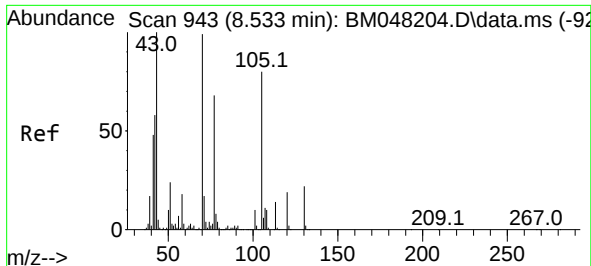
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#18
Hexachloroethane
Concen: 8.238 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

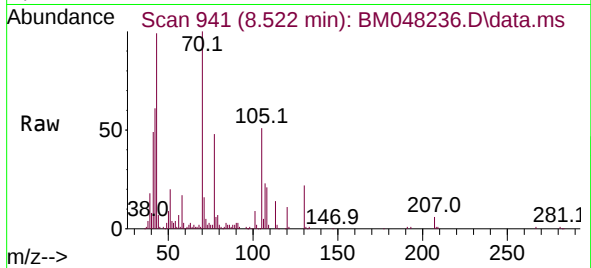
Tgt Ion:	117	Resp:	56731
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.5	114.7
201	100.5	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 8.195 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

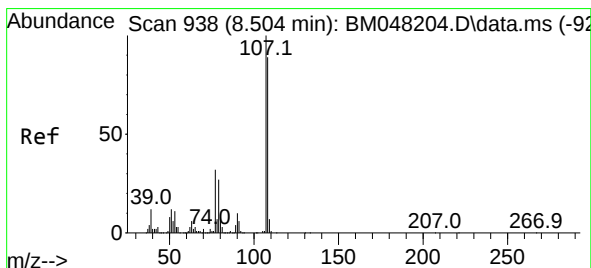
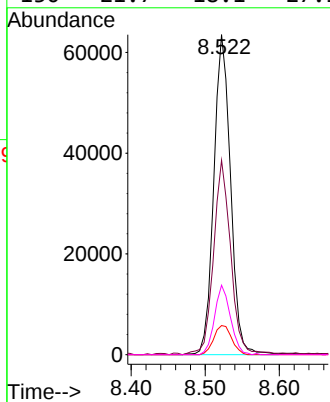
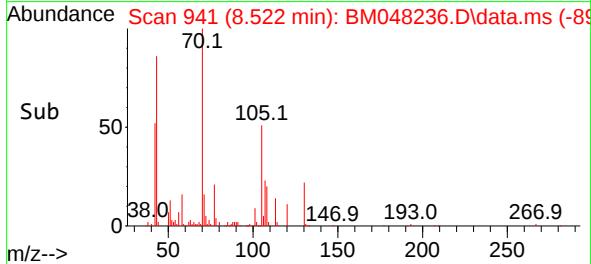
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 70 Resp: 9970
Ion Ratio Lower Upper
70 100
42 60.7 47.0 70.6
101 9.1 7.8 11.6
130 21.7 18.1 27.1

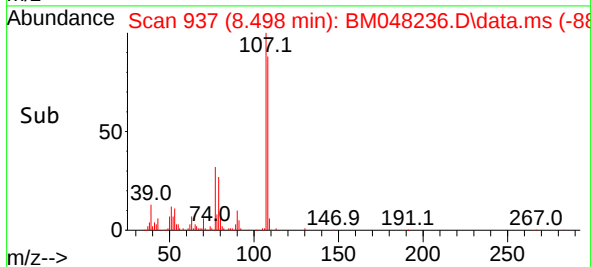
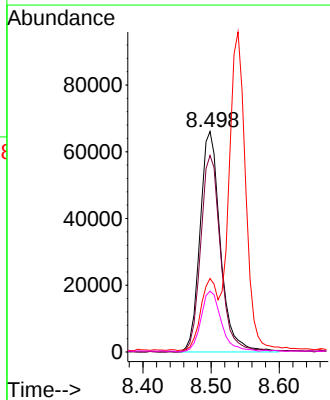
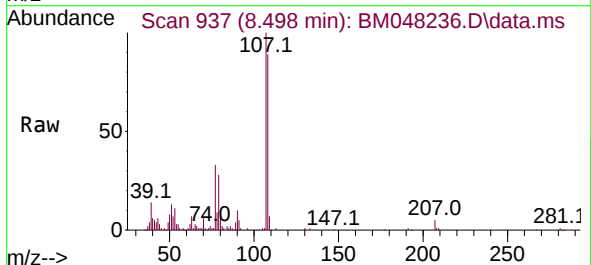
Manual Integrations
APPROVED

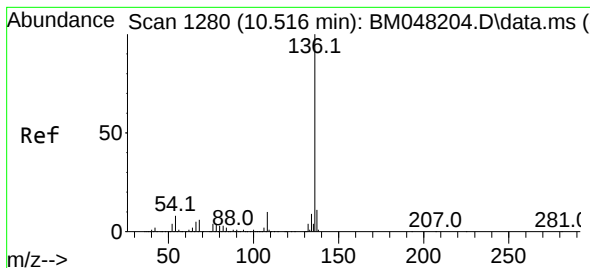
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#20
3+4-Methylphenols
Concen: 7.691 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

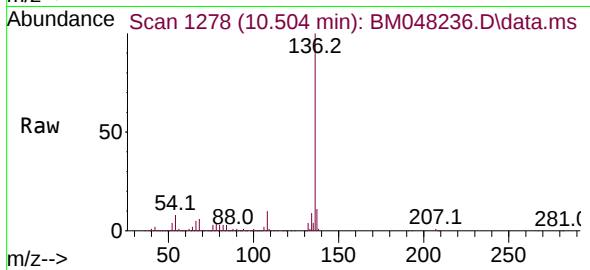
Tgt Ion:107 Resp: 136972
Ion Ratio Lower Upper
107 100
108 89.1 69.0 109.0
77 33.3 12.3 52.3
79 27.5 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

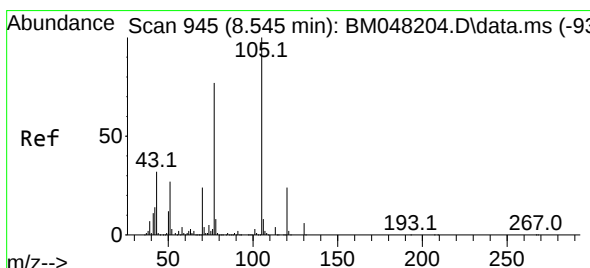
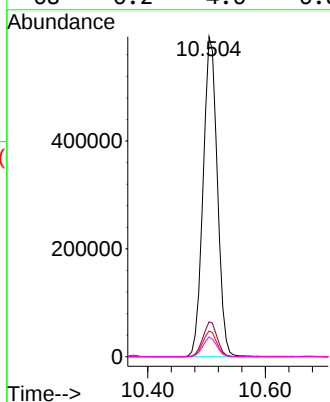
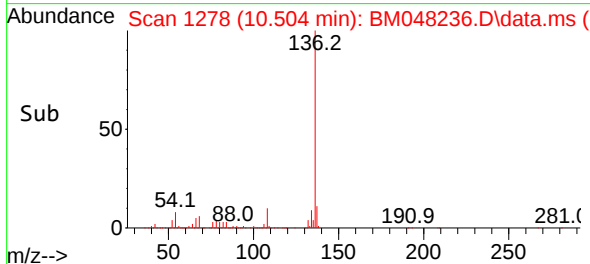
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:136 Resp: 994379
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.5 9.7
68 6.2 4.6 6.8

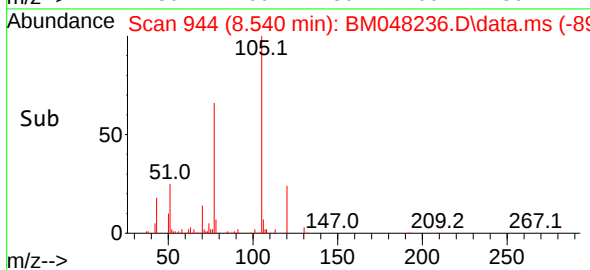
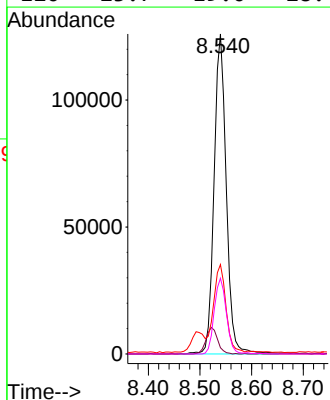
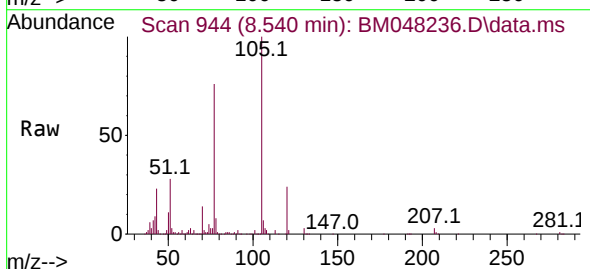
Manual Integrations
APPROVED

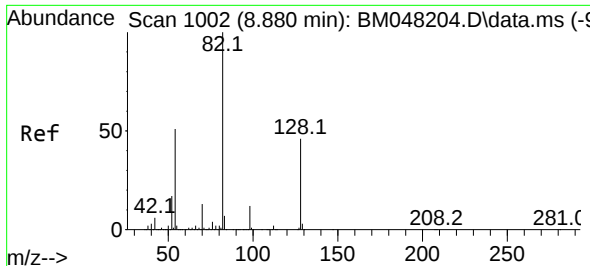
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#22
Acetophenone
Concen: 8.514 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

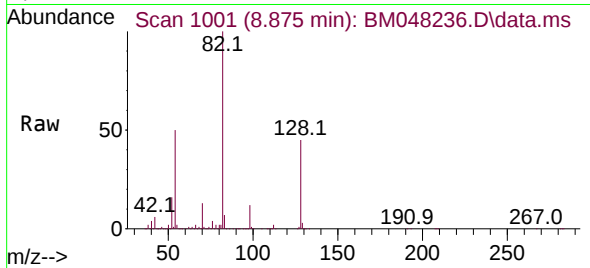
Tgt Ion:105 Resp: 206610
Ion Ratio Lower Upper
105 100
71 2.0 3.4 5.0#
51 28.0 21.7 32.5
120 23.7 19.0 28.4





#23
Nitrobenzene-d5
Concen: 92.007 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

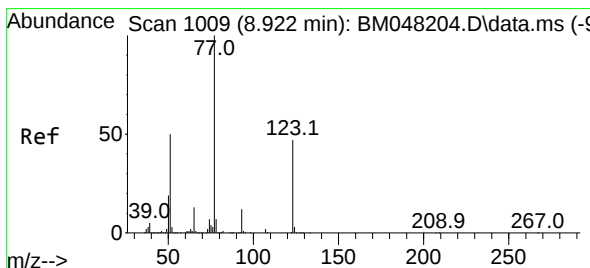
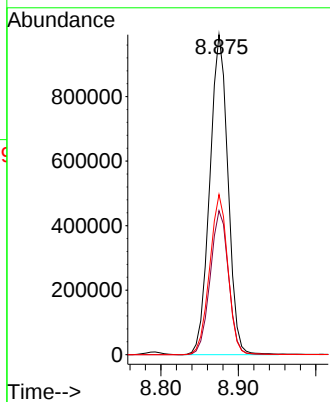
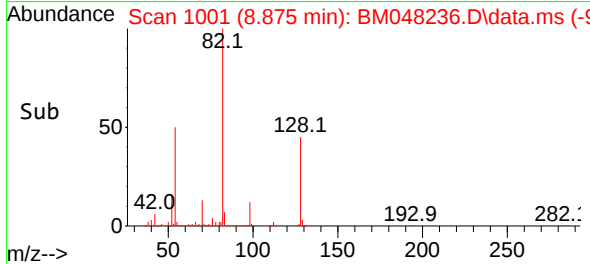
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 1620350
Ion Ratio Lower Upper
82 100
128 45.0 36.6 54.8
54 50.0 41.0 61.4

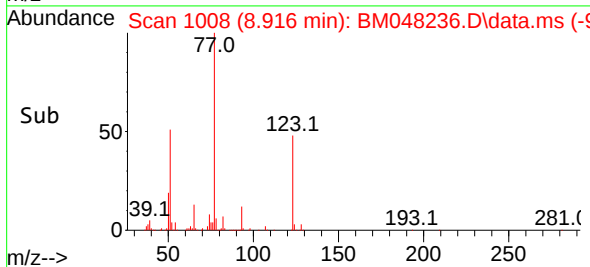
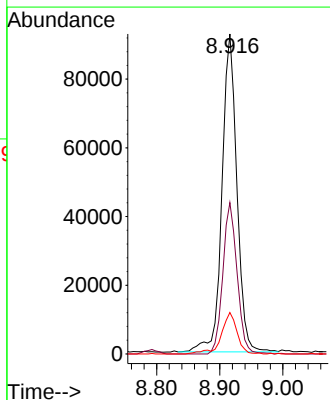
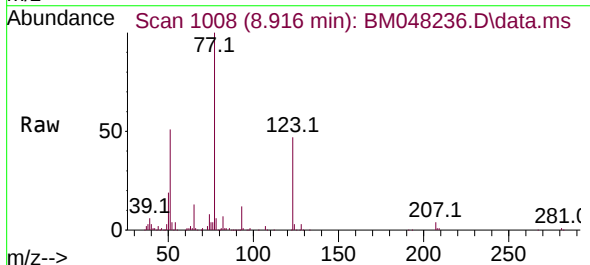
Manual Integrations
APPROVED

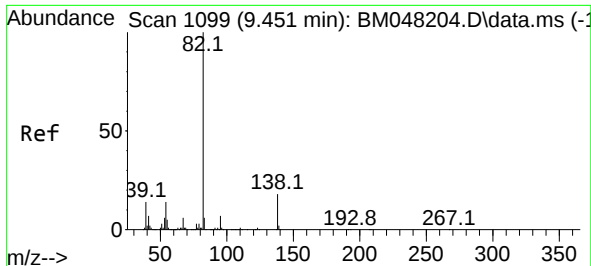
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#24
Nitrobenzene
Concen: 8.322 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

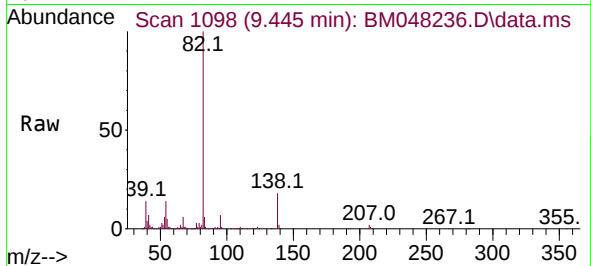
Tgt Ion: 77 Resp: 151859
Ion Ratio Lower Upper
77 100
123 47.3 37.8 56.6
65 12.9 10.4 15.6





#25
Isophorone
Concen: 8.077 ng
RT: 9.445 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

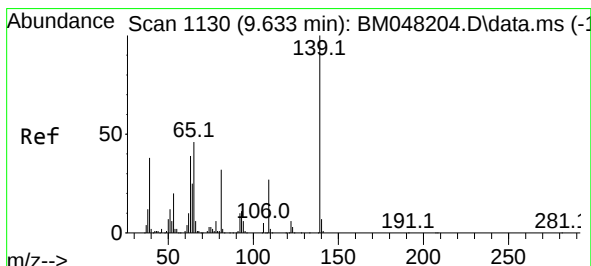
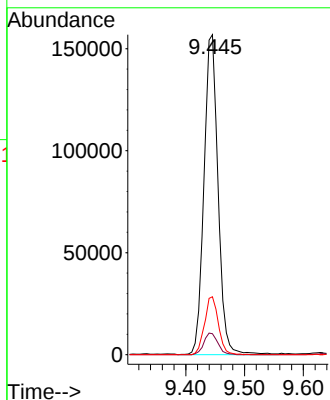
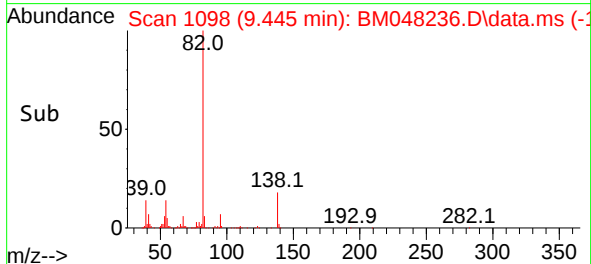
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 260730
Ion Ratio Lower Upper
82 100
95 6.6 5.3 7.9
138 18.1 14.3 21.5

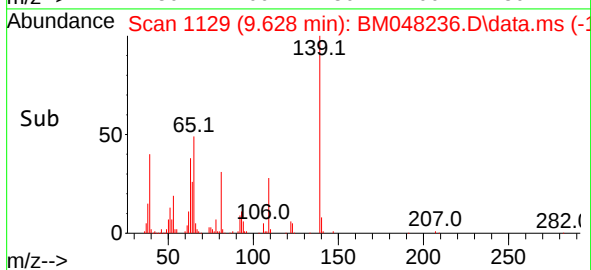
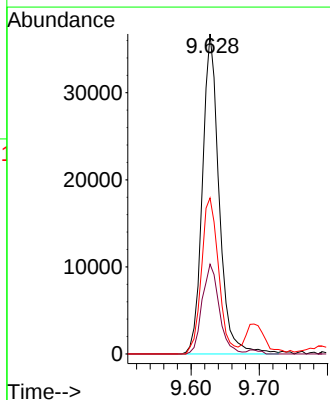
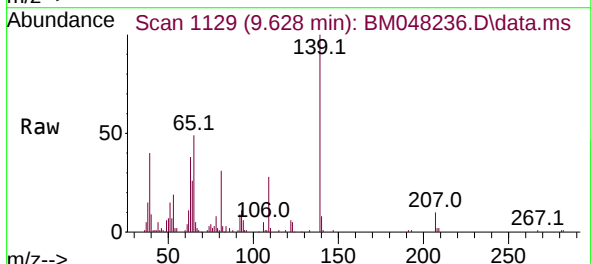
Manual Integrations
APPROVED

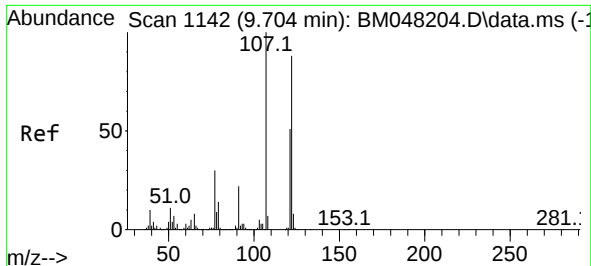
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#26
2-Nitrophenol
Concen: 7.453 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

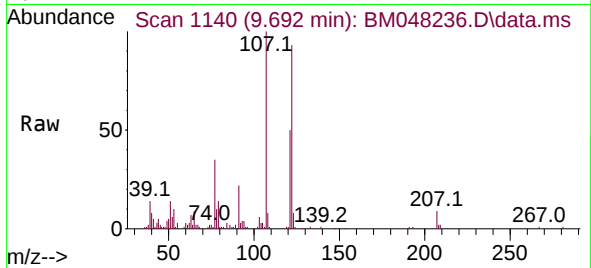
Tgt Ion:139 Resp: 62797
Ion Ratio Lower Upper
139 100
109 28.0 21.2 31.8
65 48.7 36.8 55.2





#27
2,4-Dimethylphenol
Concen: 5.574 ng
RT: 9.692 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

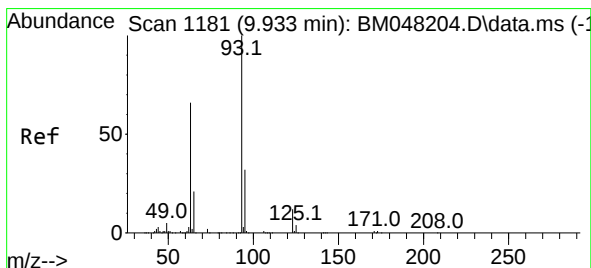
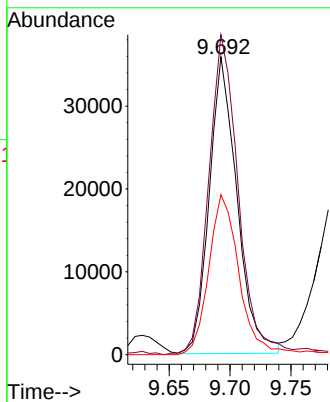
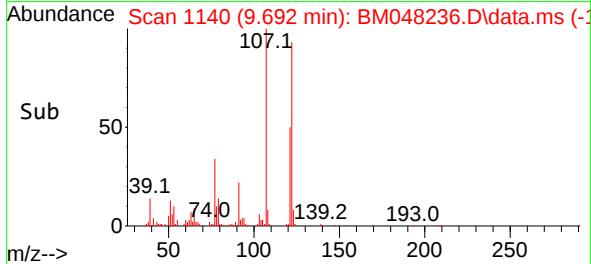
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:122 Resp: 5697
Ion Ratio Lower Upper
122 100
107 107.4 91.0 136.6
121 53.7 46.1 69.1

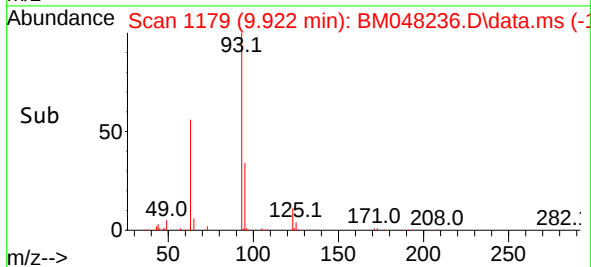
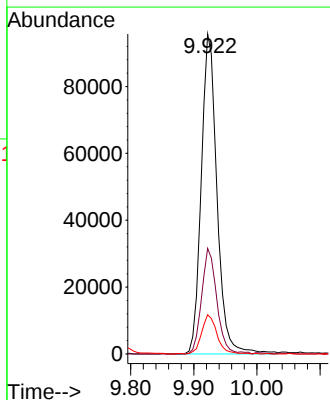
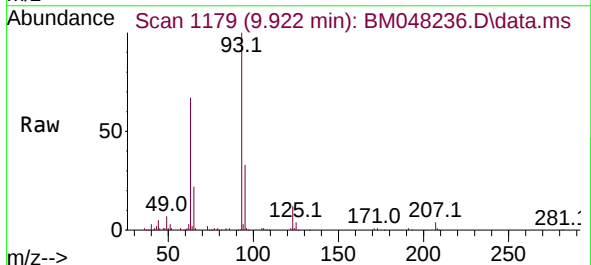
Manual Integrations
APPROVED

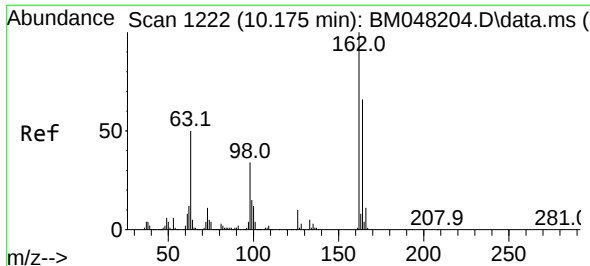
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.131 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion: 93 Resp: 166095
Ion Ratio Lower Upper
93 100
95 33.0 25.3 37.9
123 12.2 9.8 14.6





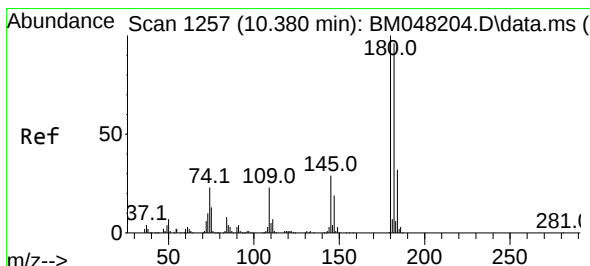
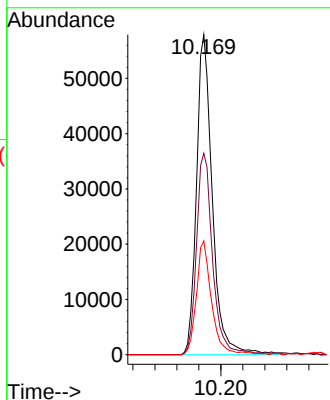
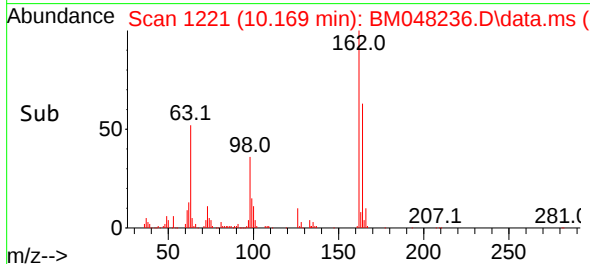
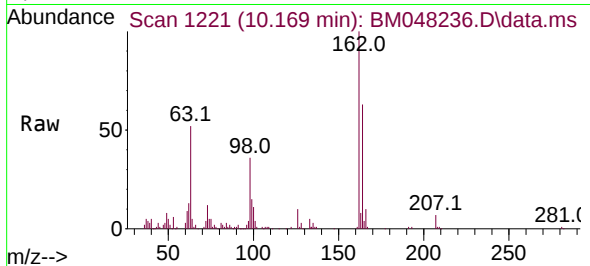
#29
2,4-Dichlorophenol
Concen: 7.882 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion:162 Resp: 115902
Ion Ratio Lower Upper
162 100
164 62.9 46.0 86.0
98 35.6 14.4 54.4

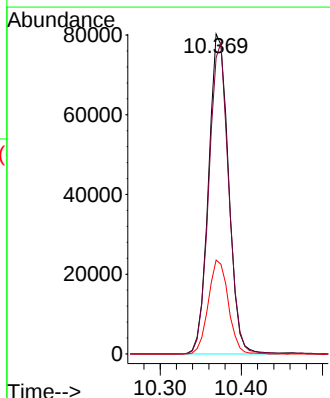
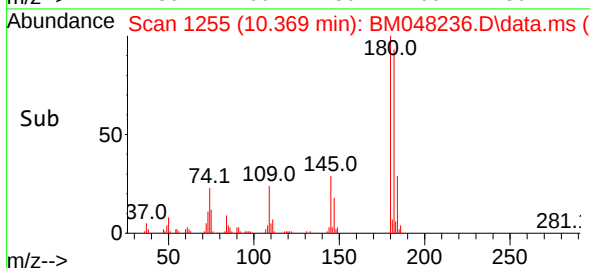
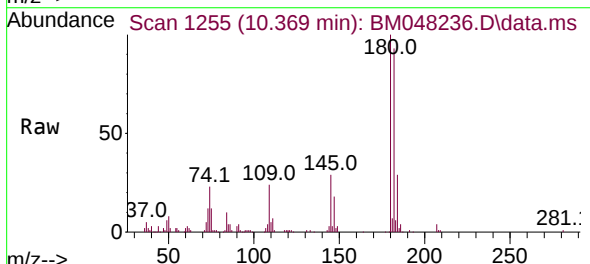
Manual Integrations
APPROVED

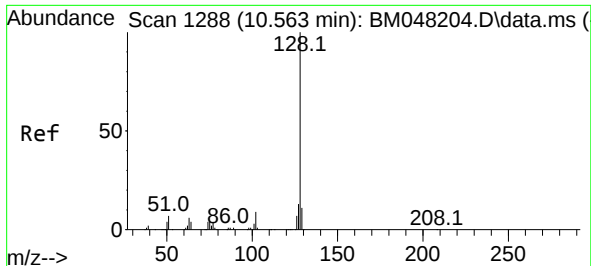
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#30
1,2,4-Trichlorobenzene
Concen: 8.135 ng
RT: 10.369 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

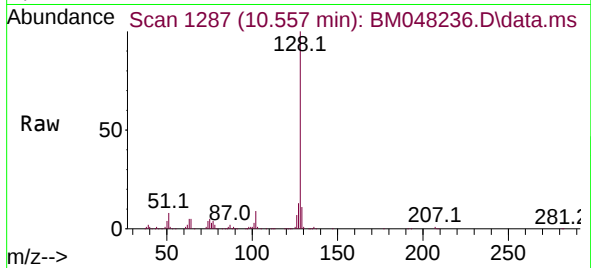
Tgt Ion:180 Resp: 136997
Ion Ratio Lower Upper
180 100
182 92.6 76.6 115.0
145 29.3 23.4 35.2





#31
Naphthalene
Concen: 8.152 ng
RT: 10.557 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

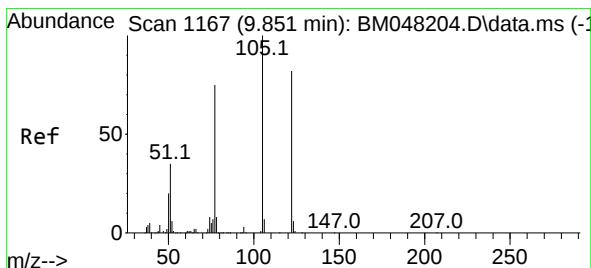
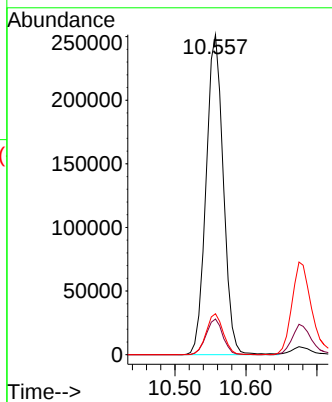
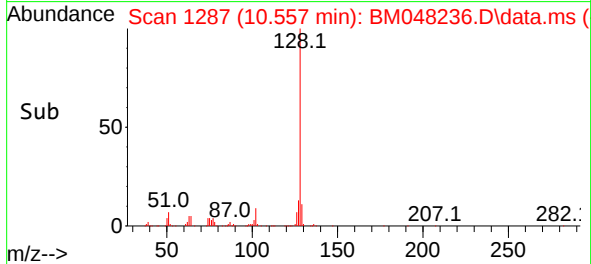
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:128 Resp: 422770
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.2 15.2

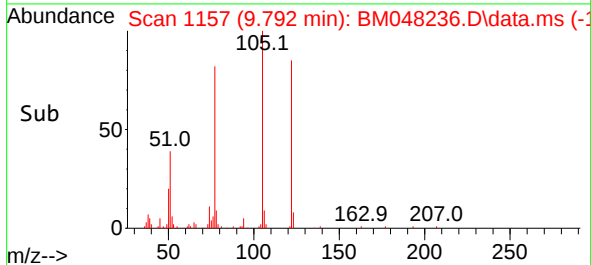
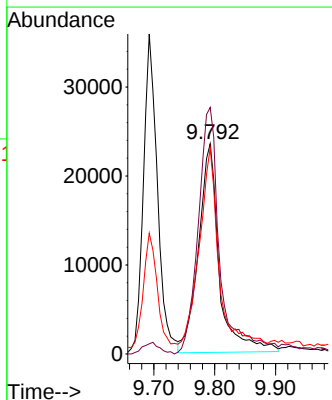
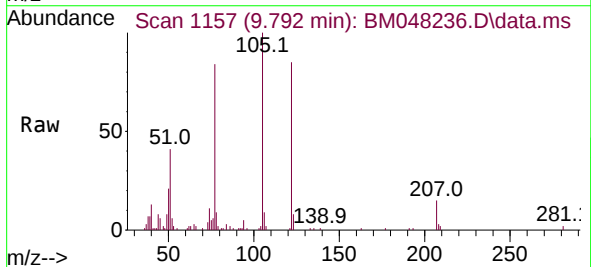
Manual Integrations
APPROVED

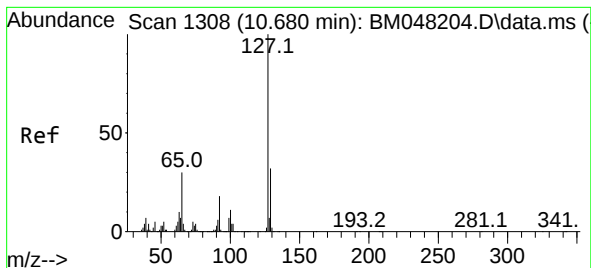
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#32
Benzoic acid
Concen: 4.907 ng
RT: 9.792 min Scan# 1157
Delta R.T. -0.059 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:122 Resp: 55830
Ion Ratio Lower Upper
122 100
105 117.2 99.3 139.3
77 98.1 70.4 110.4





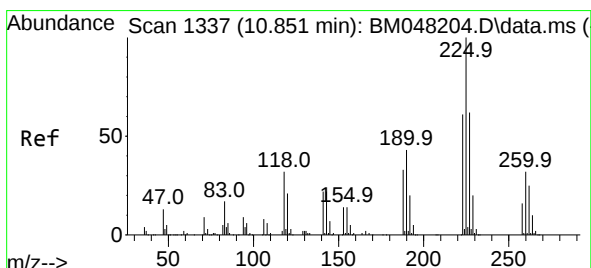
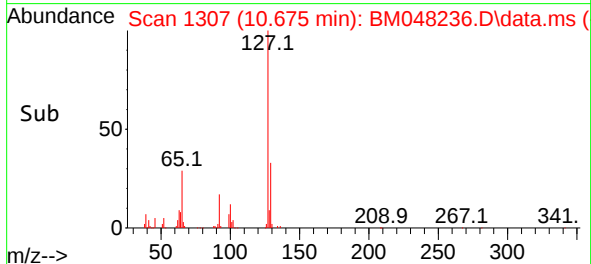
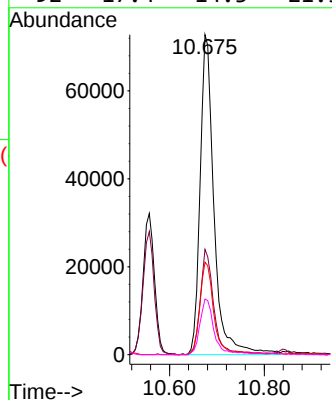
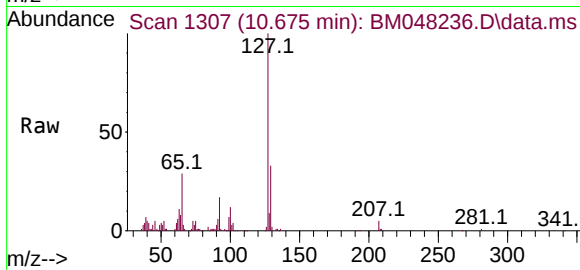
#33
4-Chloroaniline
Concen: 8.853 ng
RT: 10.675 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion:127 Resp: 148910
Ion Ratio Lower Upper
127 100
129 32.9 25.8 38.6
65 28.9 23.7 35.5
92 17.4 14.3 21.5

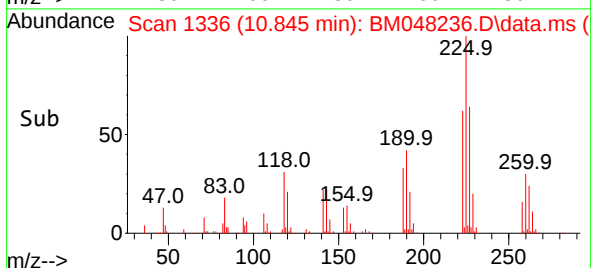
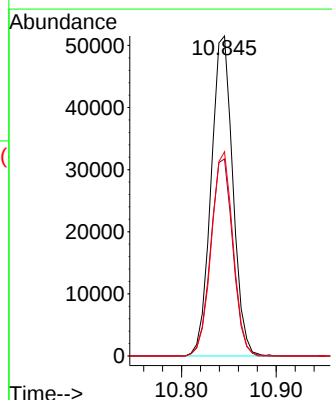
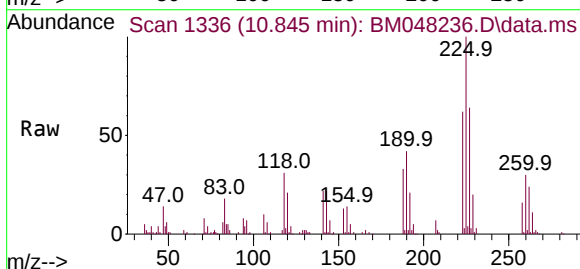
Manual Integrations
APPROVED

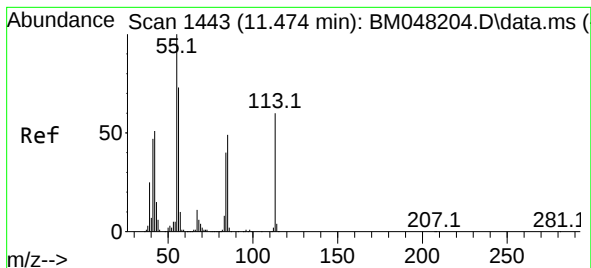
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#34
Hexachlorobutadiene
Concen: 7.880 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

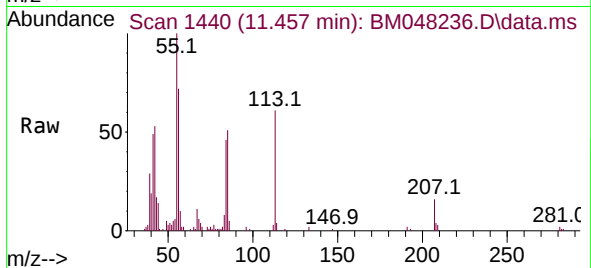
Tgt Ion:225 Resp: 82247
Ion Ratio Lower Upper
225 100
223 61.5 48.6 73.0
227 63.8 49.6 74.4





#35
Caprolactam
Concen: 6.535 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.017 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

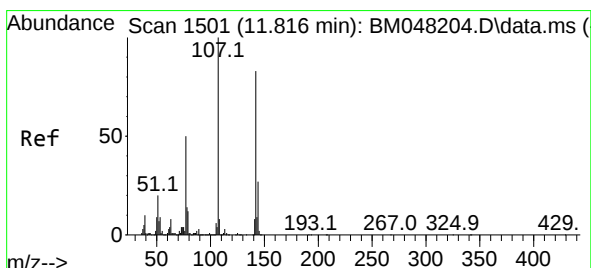
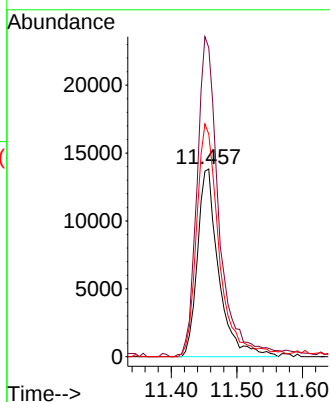
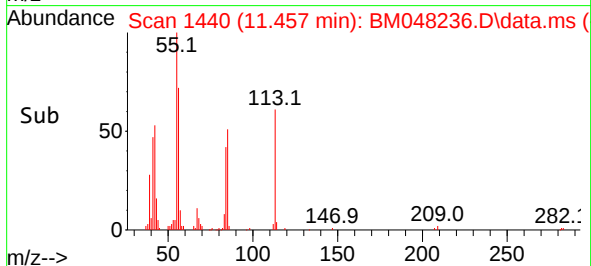
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



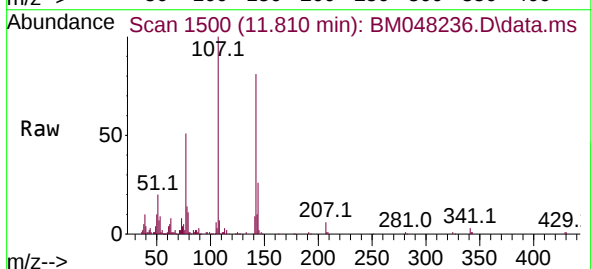
Tgt Ion:113 Resp: 3121
Ion Ratio Lower Upper
113 100
55 164.7 146.1 186.1
56 118.6 101.9 141.9

Manual Integrations
APPROVED

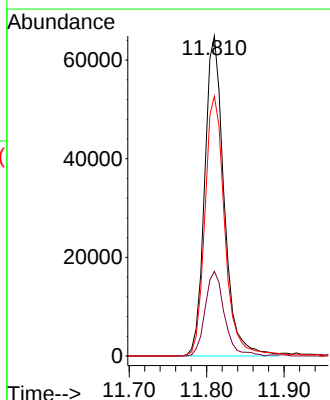
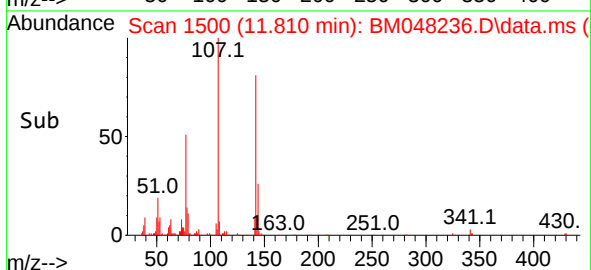
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

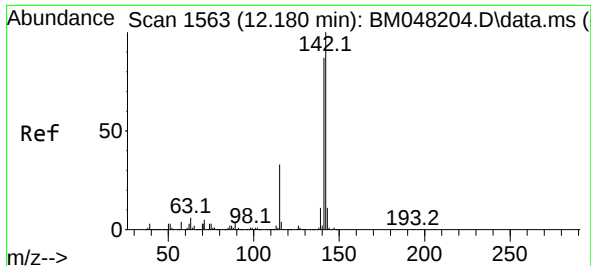


#36
4-Chloro-3-methylphenol
Concen: 7.343 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



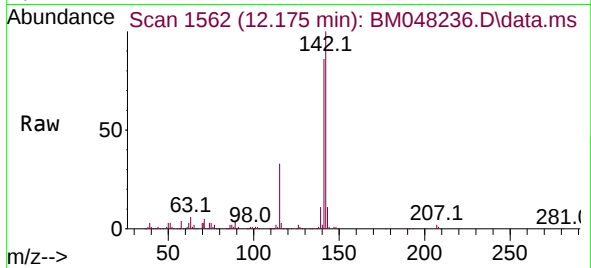
Tgt Ion:107 Resp: 112712
Ion Ratio Lower Upper
107 100
144 26.4 21.5 32.3
142 81.2 66.8 100.2





#37
2-Methylnaphthalene
Concen: 8.075 ng
RT: 12.175 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

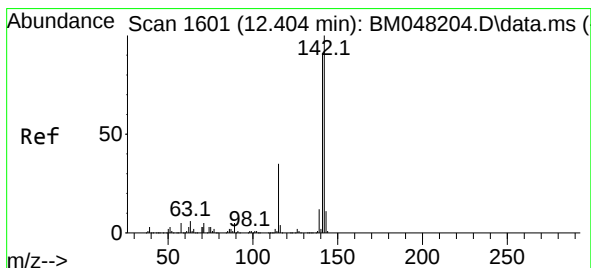
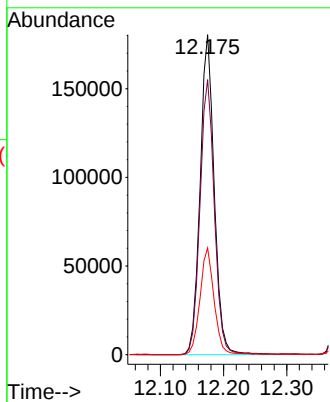
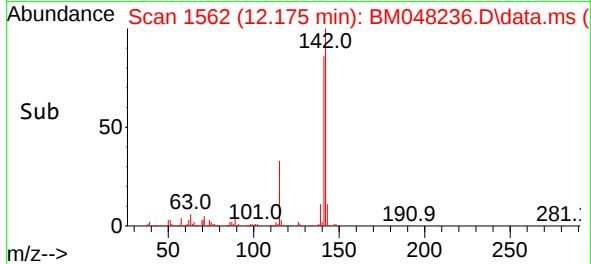
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:142 Resp: 279800
Ion Ratio Lower Upper
142 100
141 86.0 69.8 104.6
115 33.4 26.3 39.5

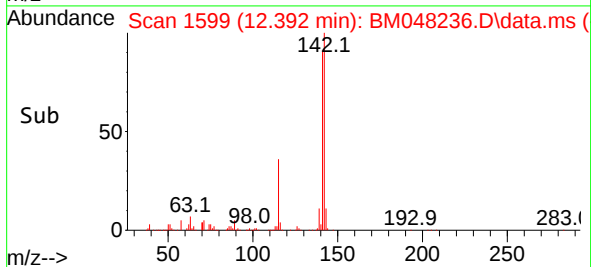
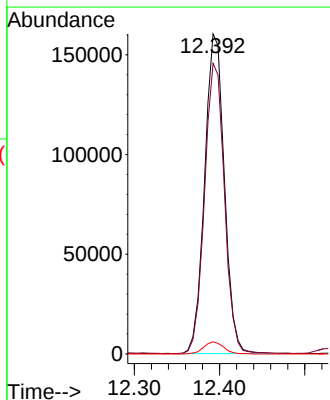
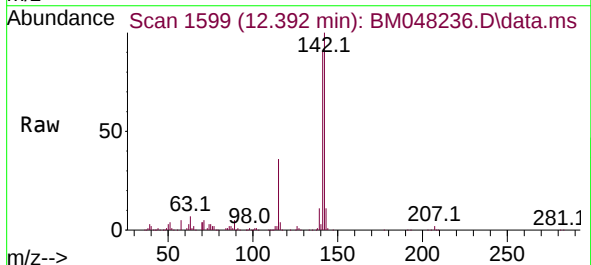
Manual Integrations
APPROVED

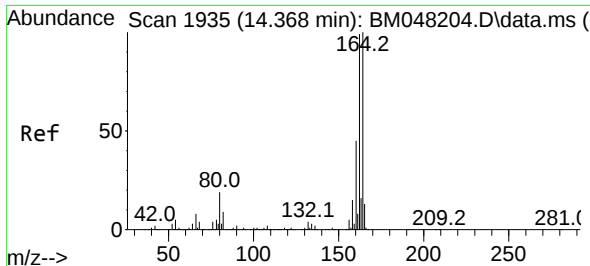
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#38
1-Methylnaphthalene
Concen: 7.496 ng
RT: 12.392 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

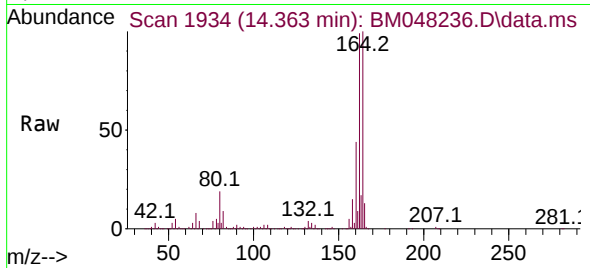
Tgt Ion:142 Resp: 257580
Ion Ratio Lower Upper
142 100
141 90.8 72.7 109.1
116 3.8 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

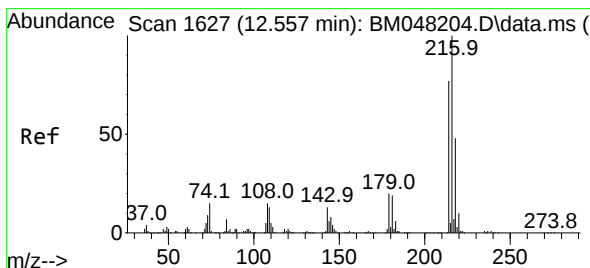
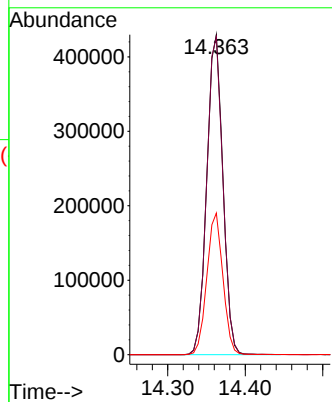
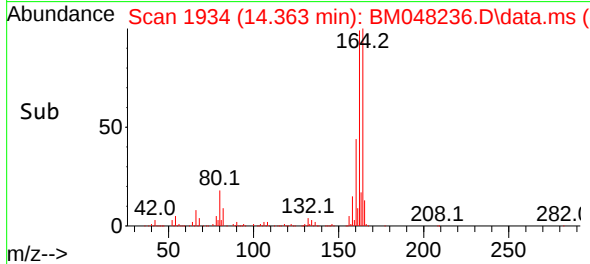
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



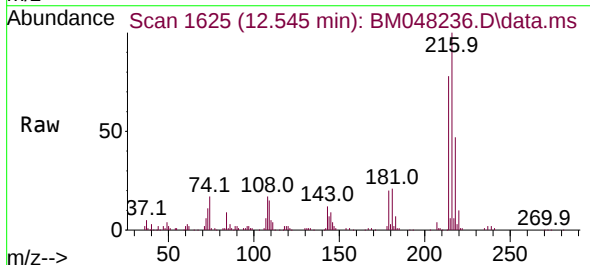
Tgt Ion:164 Resp: 618564
Ion Ratio Lower Upper
164 100
162 99.4 79.1 118.7
160 44.2 35.8 53.8

Manual Integrations
APPROVED

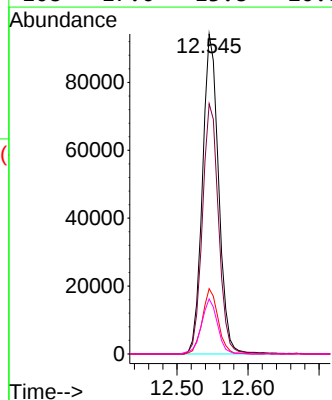
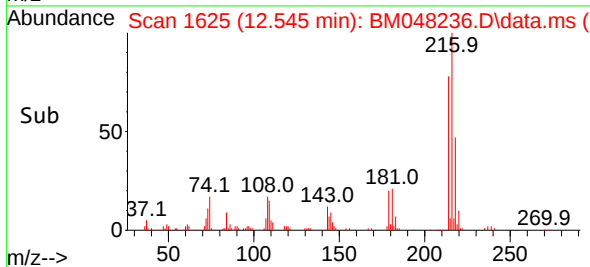
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

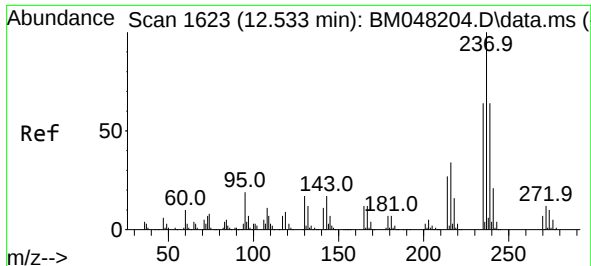


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.444 ng
RT: 12.545 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



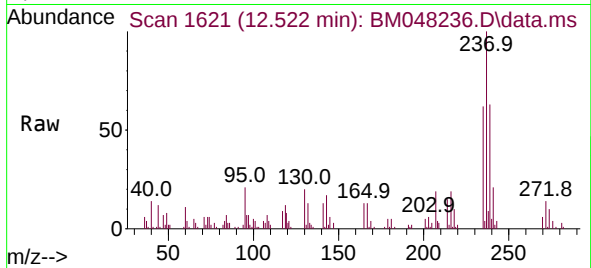
Tgt Ion:216 Resp: 149297
Ion Ratio Lower Upper
216 100
214 78.2 62.2 93.2
179 20.0 16.0 24.0
108 17.0 13.8 20.8





#41
Hexachlorocyclopentadiene
Concen: 5.103 ng
RT: 12.522 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

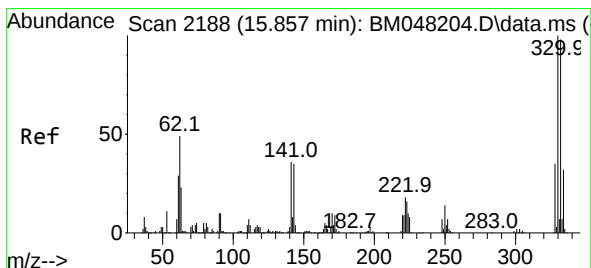
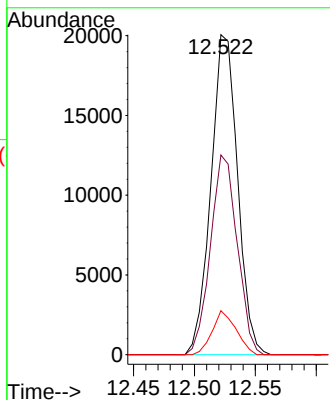
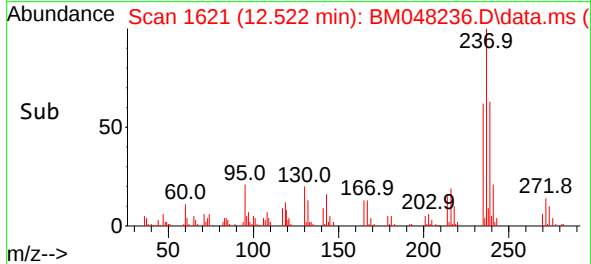
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:237 Resp: 3053
Ion Ratio Lower Upper
237 100
235 62.4 44.2 84.2
272 13.8 0.0 32.4

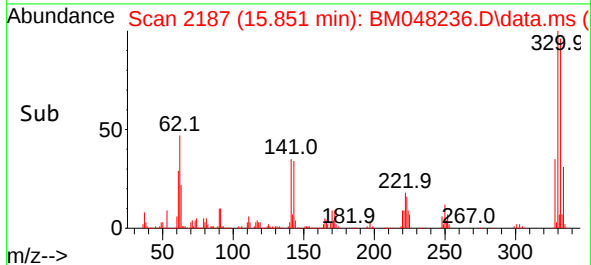
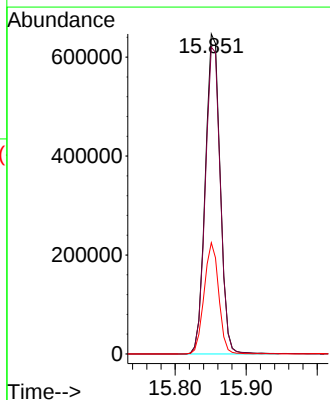
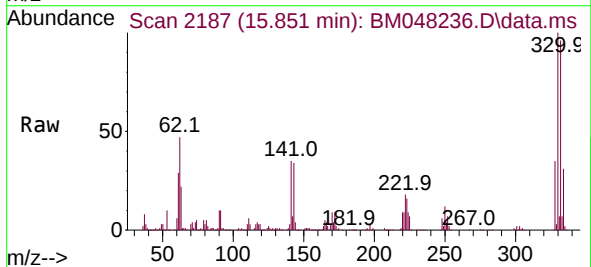
Manual Integrations
APPROVED

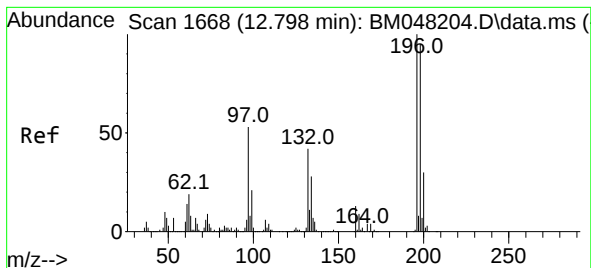
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#42
2,4,6-Tribromophenol
Concen: 124.472 ng
RT: 15.851 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:330 Resp: 942411
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.1 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 7.600 ng

RT: 12.792 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

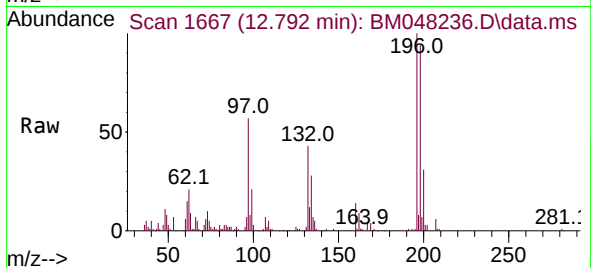
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



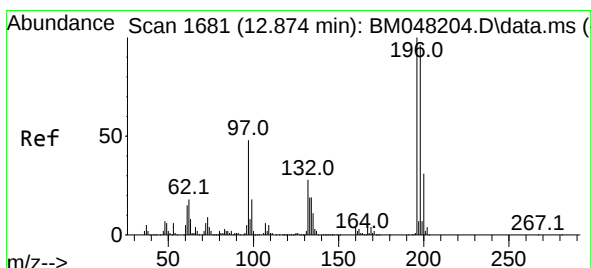
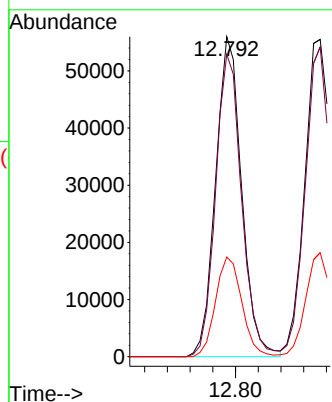
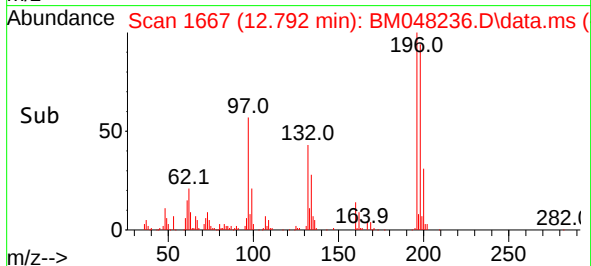
Tgt Ion:196	Resp:	8917
Ion Ratio	Lower	Upper
196	100	
198	94.5	76.2 114.2
200	31.2	24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#44

2,4,5-Trichlorophenol

Concen: 7.426 ng

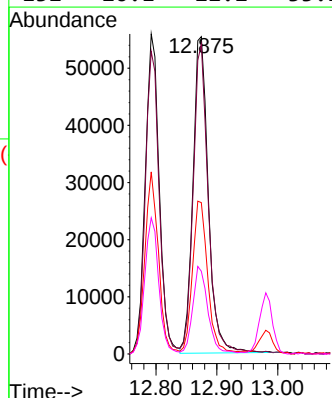
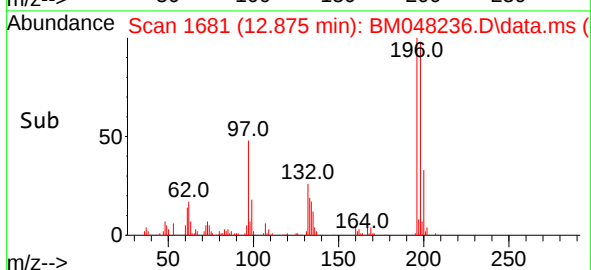
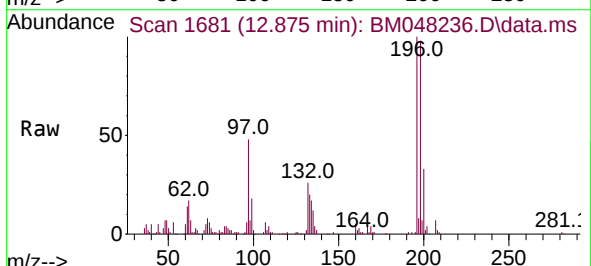
RT: 12.875 min Scan# 1681

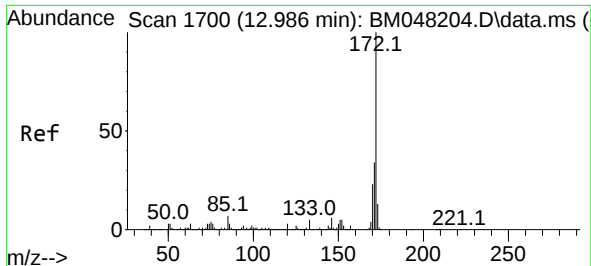
Delta R.T. 0.000 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:196	Resp:	97160
Ion Ratio	Lower	Upper
196	100	
198	97.7	76.7 115.1
97	47.7	38.5 57.7
132	26.1	22.2 33.2





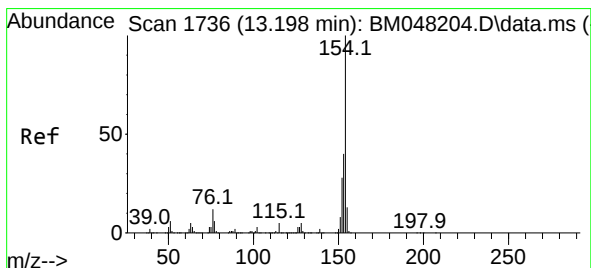
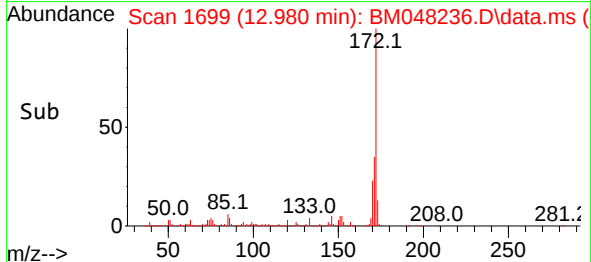
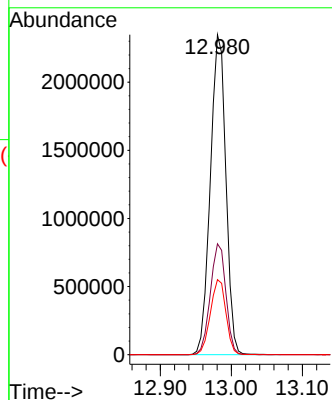
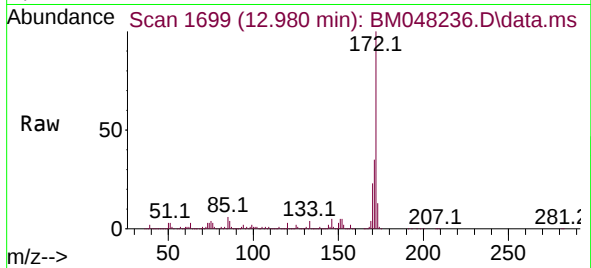
#45
2-Fluorobiphenyl
Concen: 88.622 ng
RT: 12.980 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion:172 Resp: 3572390
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.4 18.5 27.7

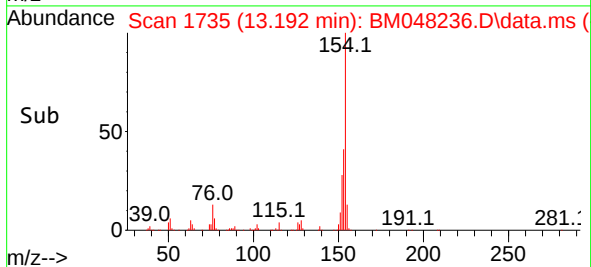
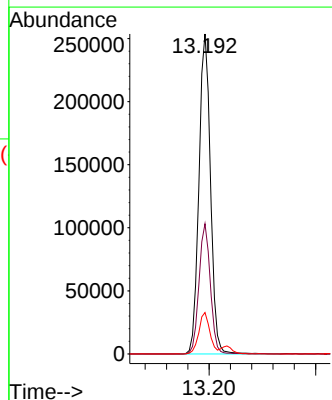
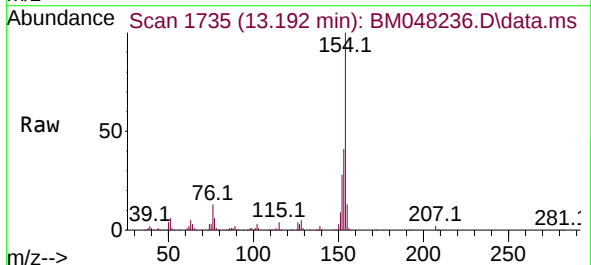
Manual Integrations
APPROVED

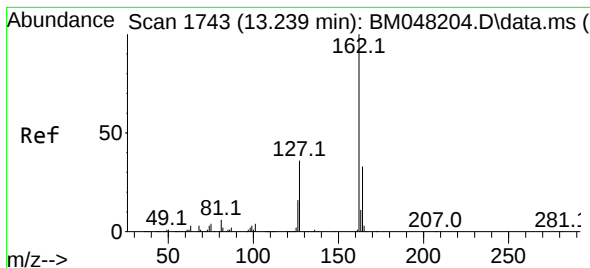
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#46
1,1'-Biphenyl
Concen: 8.616 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:154 Resp: 380530
Ion Ratio Lower Upper
154 100
153 40.7 19.9 59.9
76 12.9 0.0 32.4





#47

2-Chloronaphthalene

Concen: 8.182 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048236.D

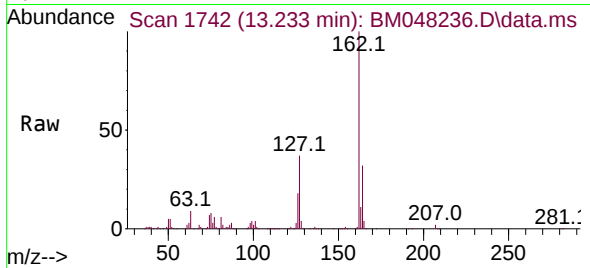
Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024



Tgt Ion:162 Resp: 284920

Ion Ratio Lower Upper

162 100

127 37.4 31.0 46.6

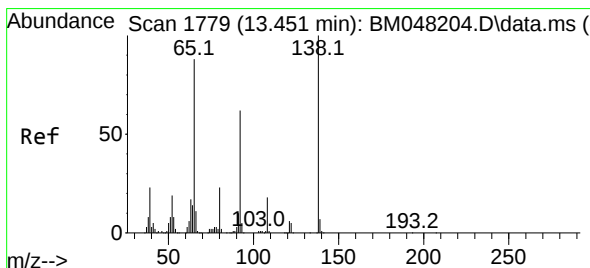
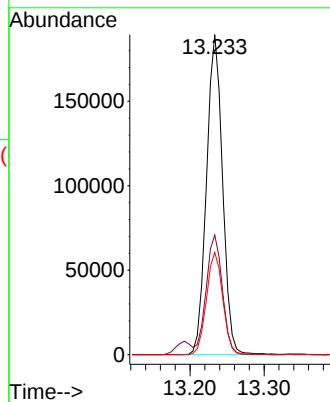
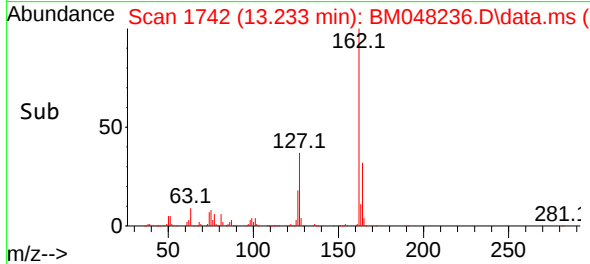
164 32.0 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#48

2-Nitroaniline

Concen: 7.368 ng

RT: 13.445 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

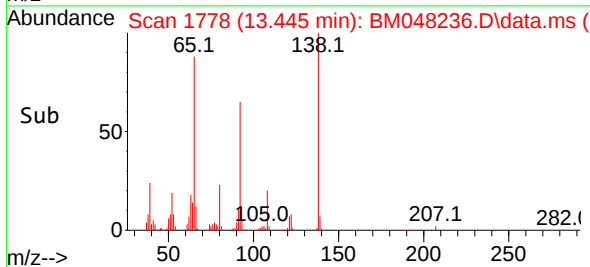
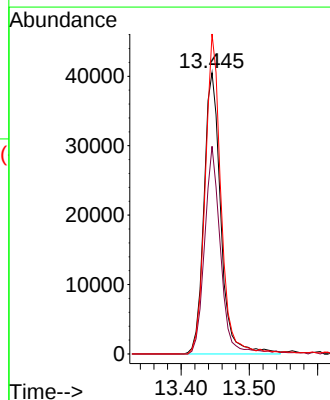
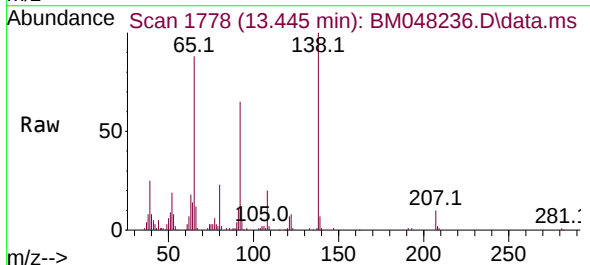
Tgt Ion: 65 Resp: 69589

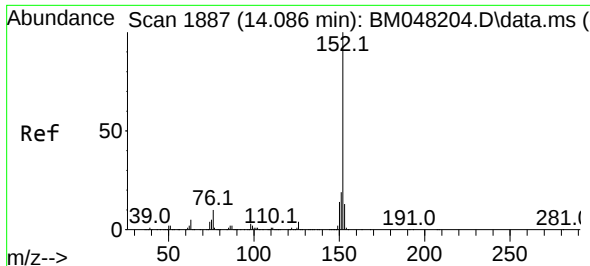
Ion Ratio Lower Upper

65 100

92 73.8 56.0 84.0

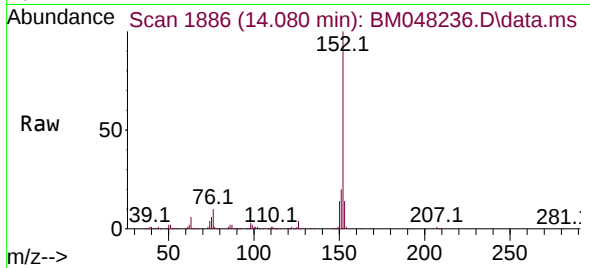
138 113.8 90.8 136.2





#49
Acenaphthylene
Concen: 8.591 ng
RT: 14.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

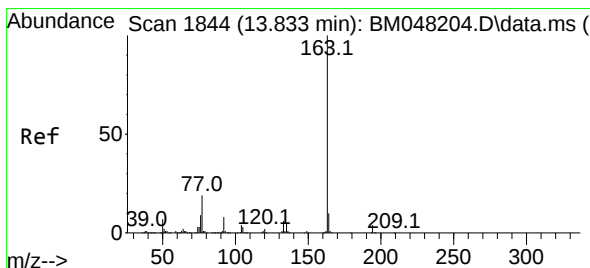
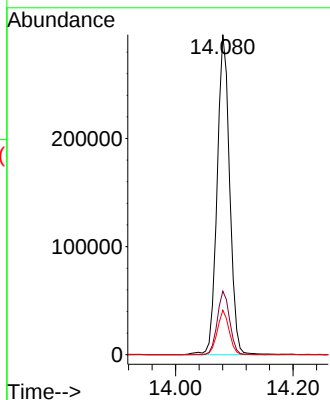
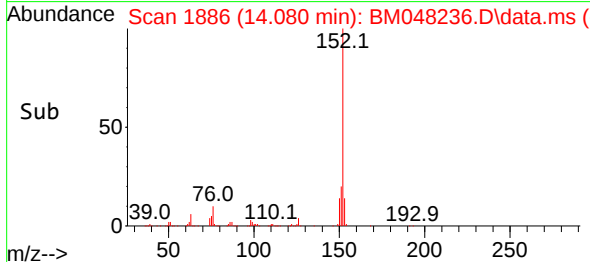
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



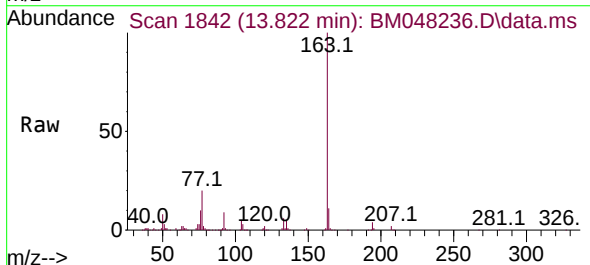
Tgt Ion:152 Resp: 436439
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 13.9 10.5 15.7

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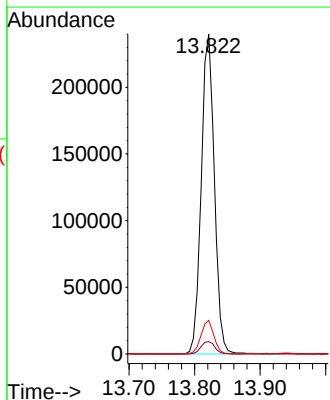
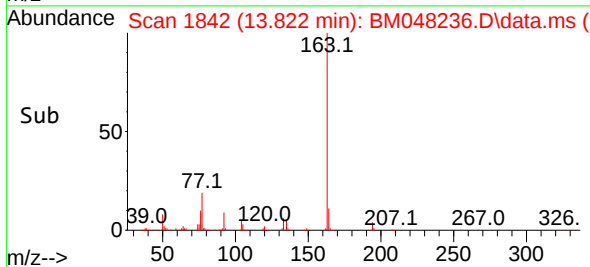
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

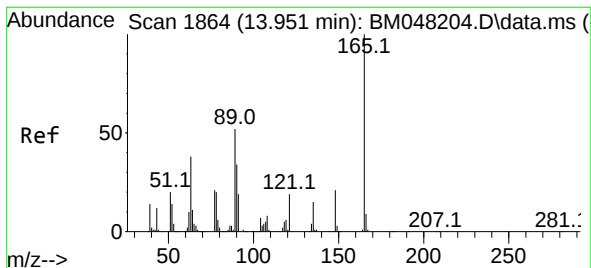


#50
Dimethylphthalate
Concen: 7.935 ng
RT: 13.822 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



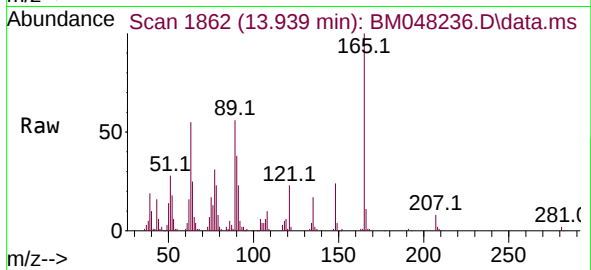
Tgt Ion:163 Resp: 335092
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.5 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 7.119 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

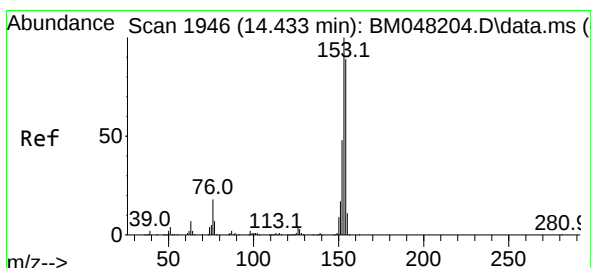
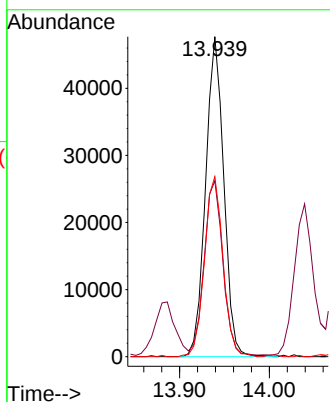
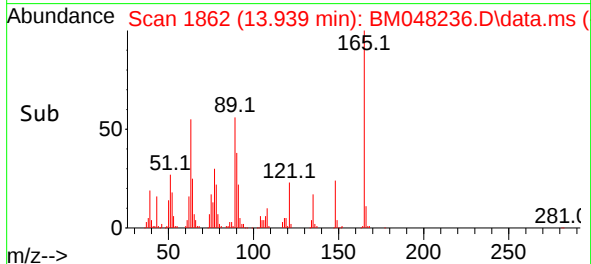
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 67072
Ion Ratio Lower Upper
165 100
63 54.9 39.5 59.3
89 56.2 41.8 62.6

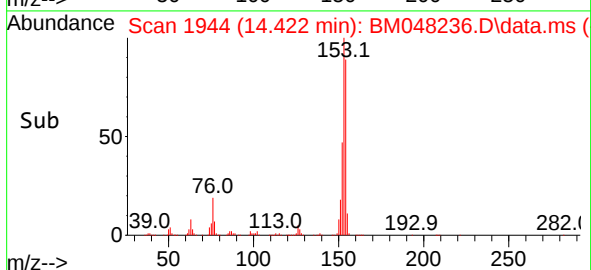
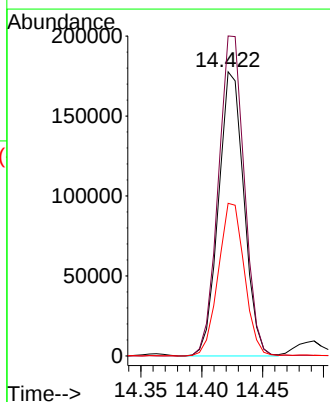
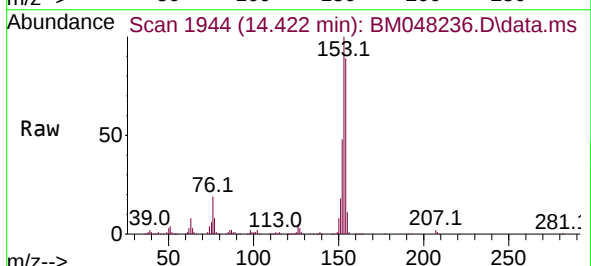
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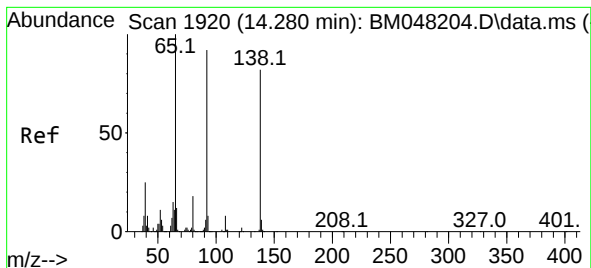
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#52
Acenaphthene
Concen: 8.023 ng
RT: 14.422 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:154 Resp: 258993
Ion Ratio Lower Upper
154 100
153 112.6 90.4 135.6
152 53.7 43.6 65.4





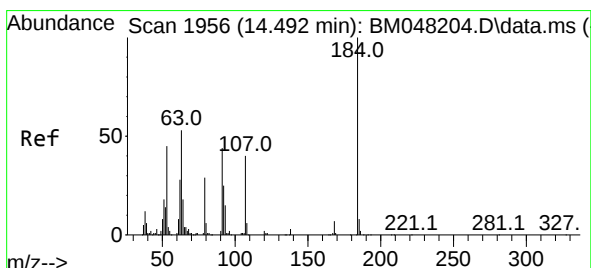
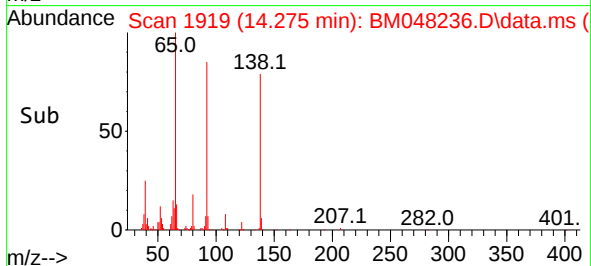
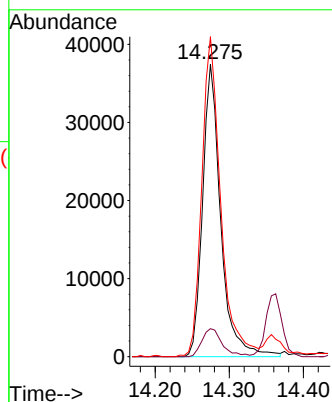
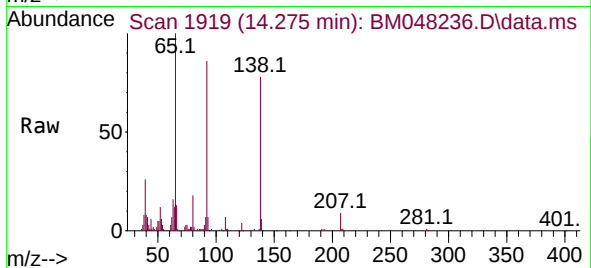
#53
3-Nitroaniline
Concen: 7.148 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion:138 Resp: 6351
Ion Ratio Lower Upper
138 100
108 9.6 7.5 11.3
92 109.4 89.7 134.5

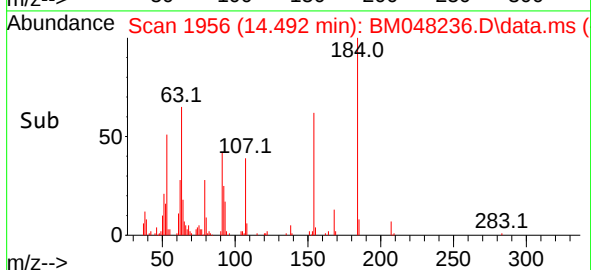
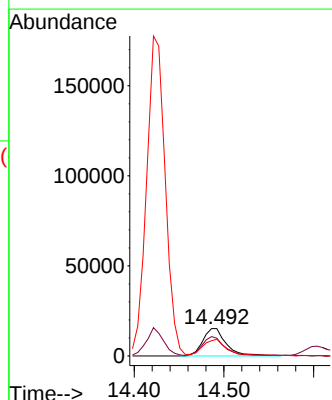
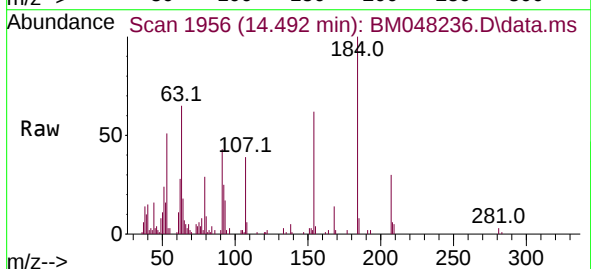
Manual Integrations
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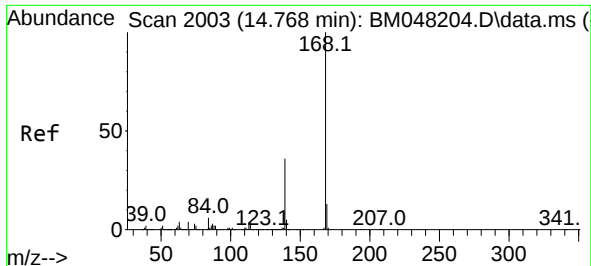
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#54
2,4-Dinitrophenol
Concen: 5.022 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

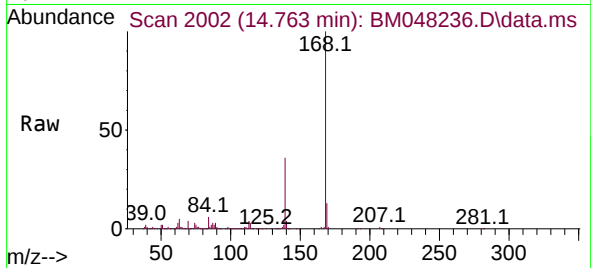
Tgt Ion:184 Resp: 27650
Ion Ratio Lower Upper
184 100
63 65.1 47.2 70.8
154 61.7 46.0 69.0





#55
Dibenzenofuran
Concen: 8.321 ng
RT: 14.763 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

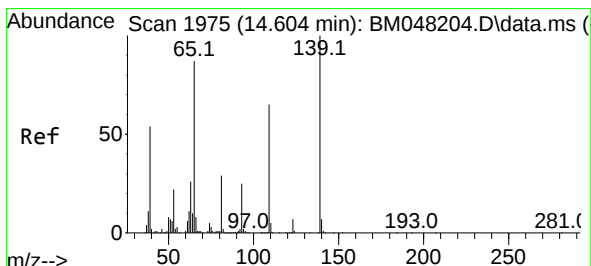
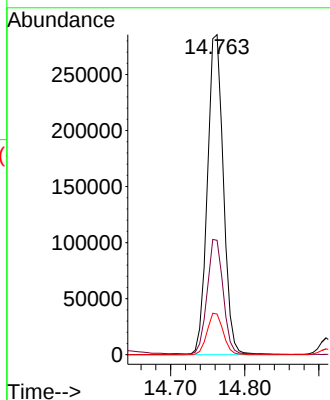
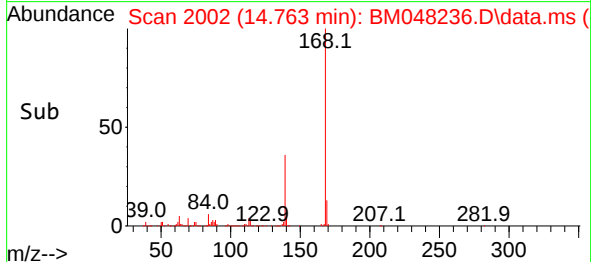
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:168 Resp: 426740
Ion Ratio Lower Upper
168 100
139 35.8 29.0 43.6
169 12.7 10.4 15.6

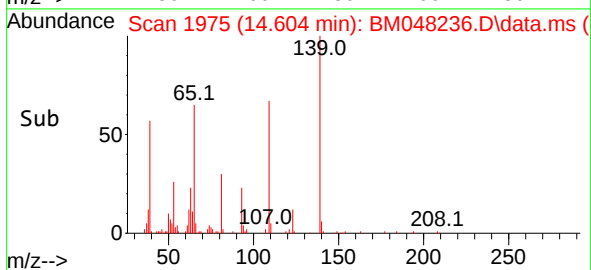
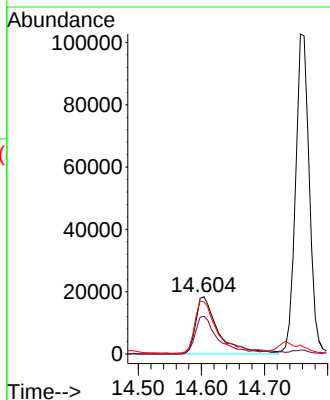
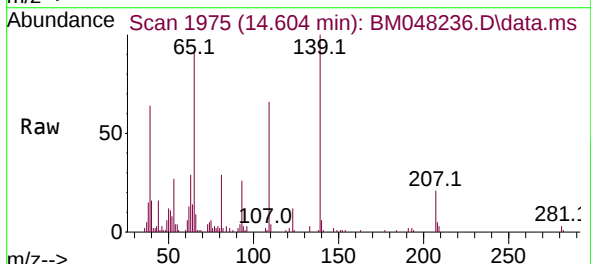
Manual Integrations
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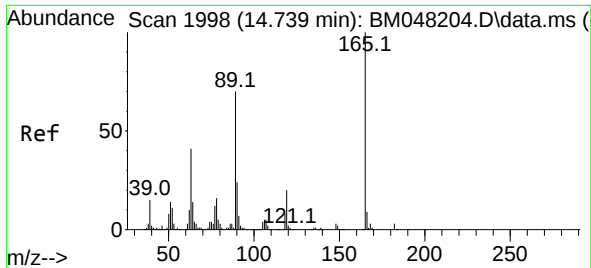
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#56
4-Nitrophenol
Concen: 5.814 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

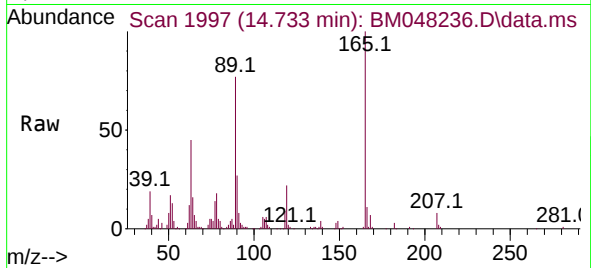
Tgt Ion:139 Resp: 46106
Ion Ratio Lower Upper
139 100
109 65.8 45.4 85.4
65 91.0 67.3 107.3





#57
2,4-Dinitrotoluene
Concen: 6.871 ng
RT: 14.733 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

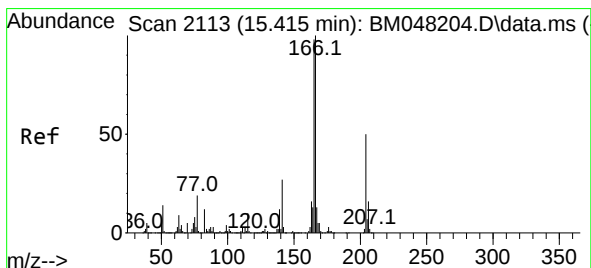
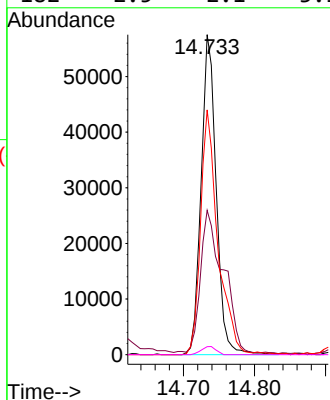
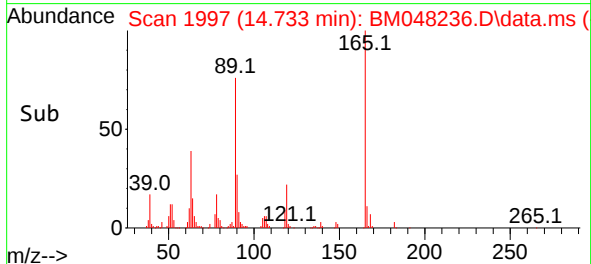
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 85488
Ion Ratio Lower Upper
165 100
63 45.1 33.0 49.4
89 76.5 55.8 83.6
182 2.5 2.1 3.1

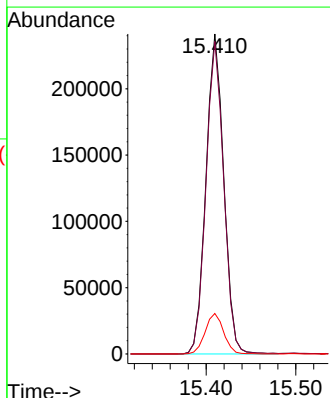
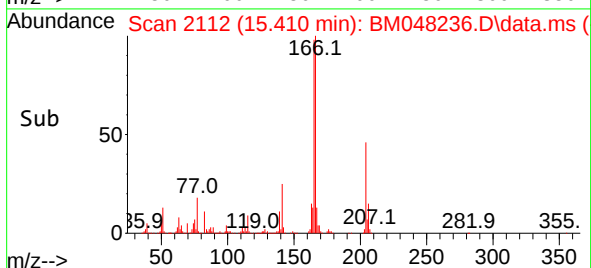
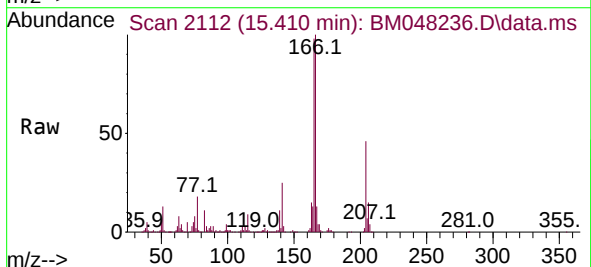
Manual Integrations
APPROVED

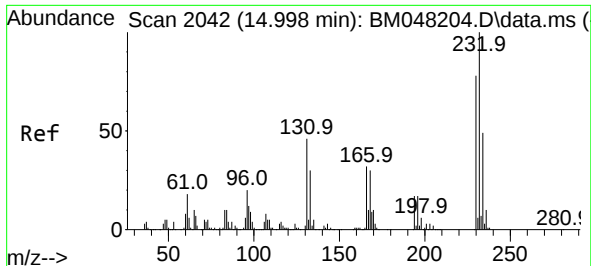
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#58
Fluorene
Concen: 8.213 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

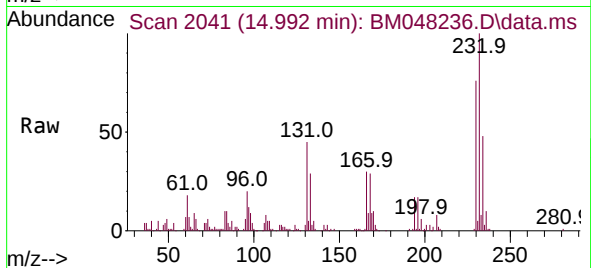
Tgt Ion:166 Resp: 333065
Ion Ratio Lower Upper
166 100
165 97.6 78.4 117.6
167 12.6 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.855 ng
RT: 14.992 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

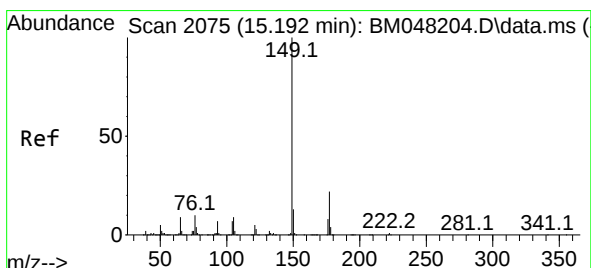
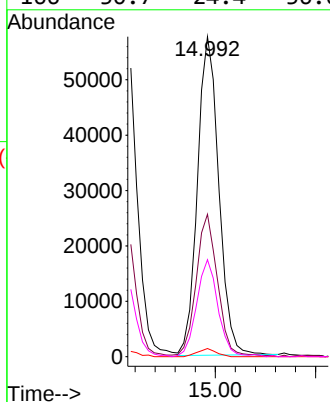
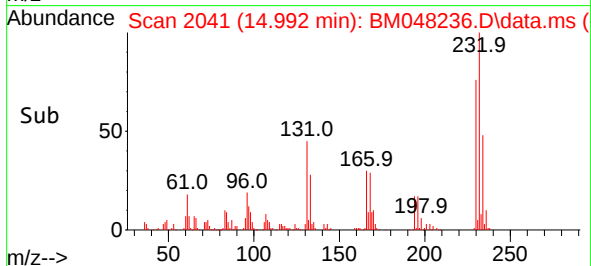
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 8518
Ion Ratio Lower Upper
232 100
131 44.9 35.5 53.3
130 2.2 1.8 2.6
166 30.7 24.4 36.6

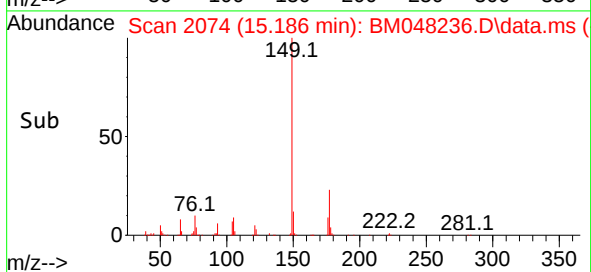
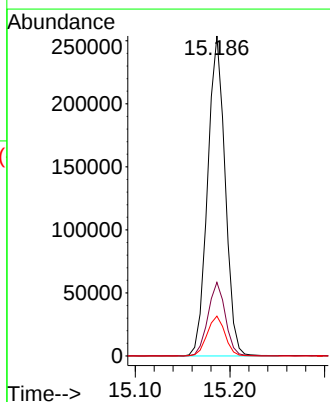
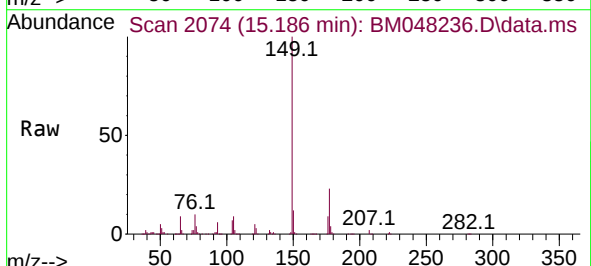
Manual Integrations
APPROVED

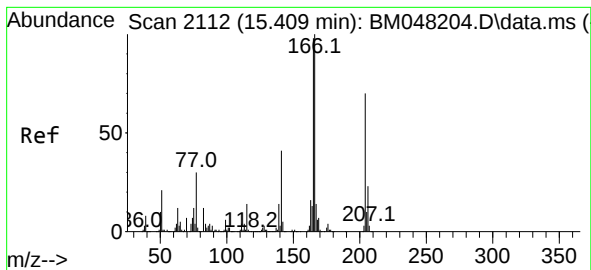
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#60
Diethylphthalate
Concen: 7.607 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

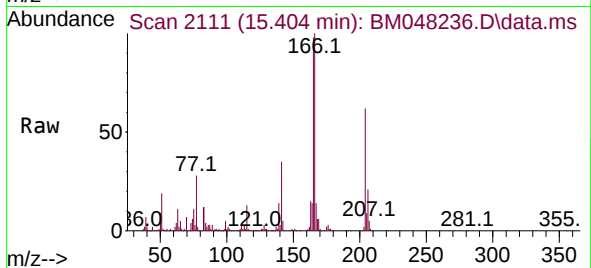
Tgt Ion:149 Resp: 325219
Ion Ratio Lower Upper
149 100
177 23.0 17.5 26.3
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 8.180 ng
RT: 15.404 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

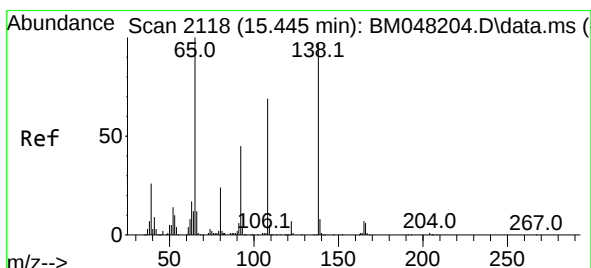
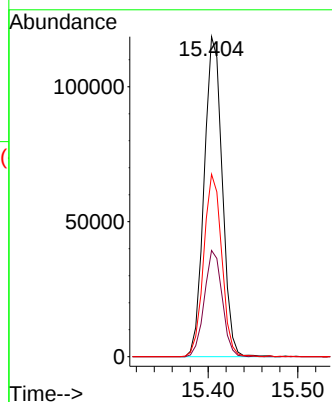
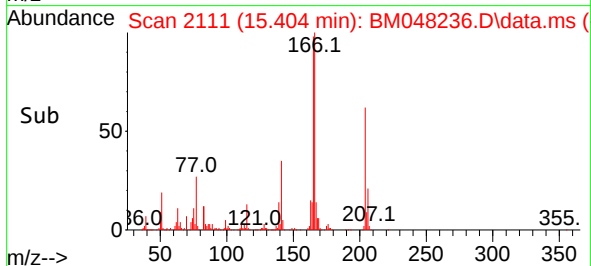
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:204 Resp: 16586
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.4
141 57.0 47.0 70.6

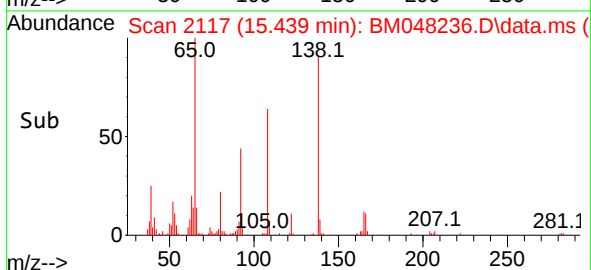
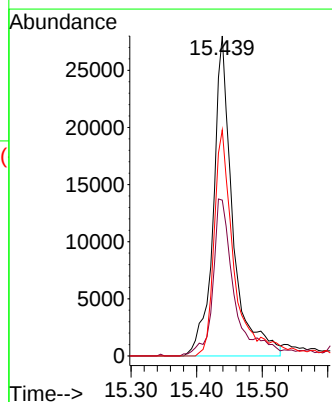
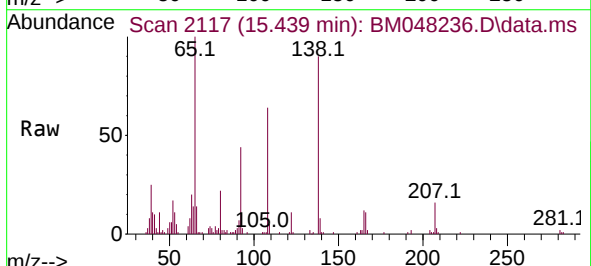
Manual Integrations
APPROVED

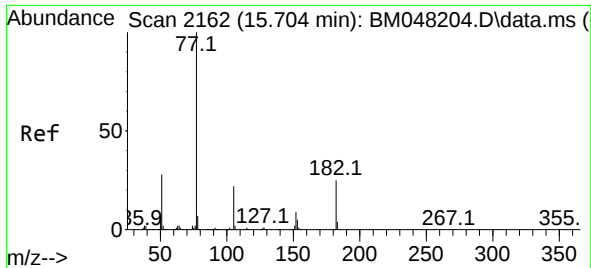
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#62
4-Nitroaniline
Concen: 6.275 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

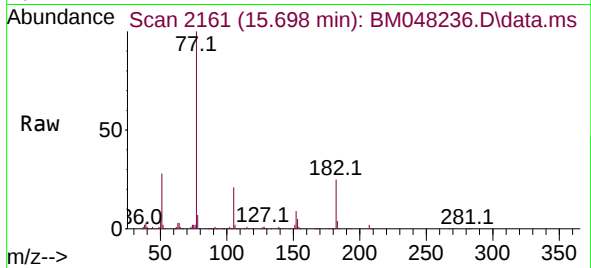
Tgt Ion:138 Resp: 57704
Ion Ratio Lower Upper
138 100
92 48.7 26.9 66.9
108 70.7 51.3 91.3





#63
Azobenzene
Concen: 8.090 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

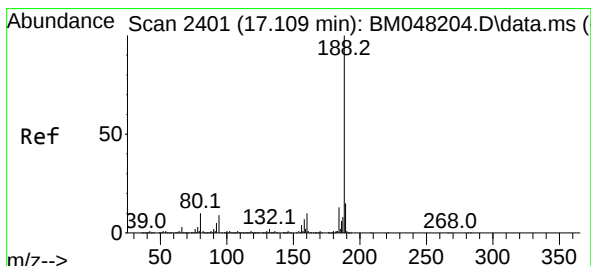
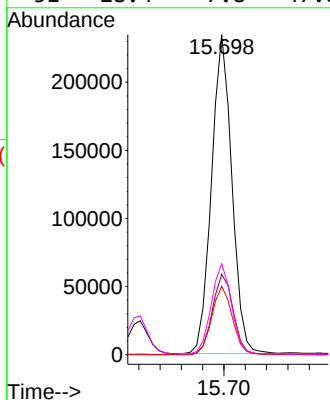
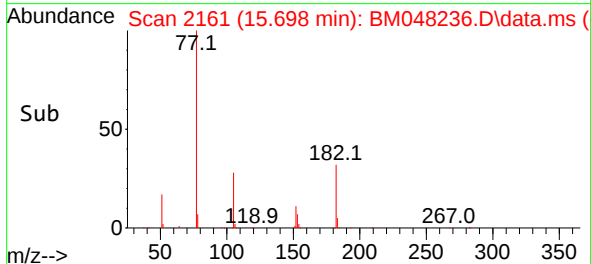
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 77 Resp: 309999
Ion Ratio Lower Upper
77 100
182 25.1 5.3 45.3
105 21.4 1.6 41.6
51 28.4 7.8 47.8

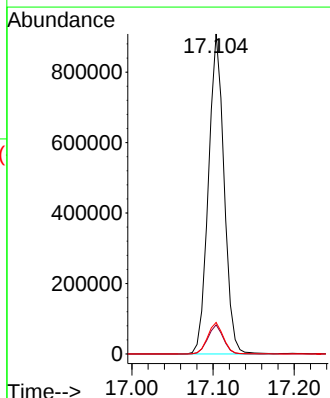
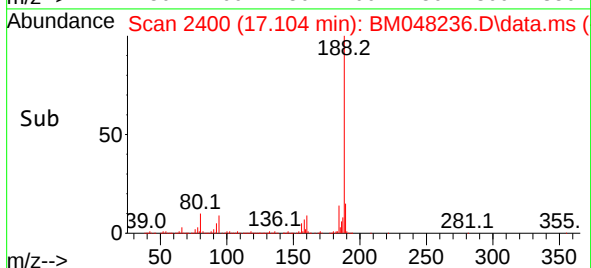
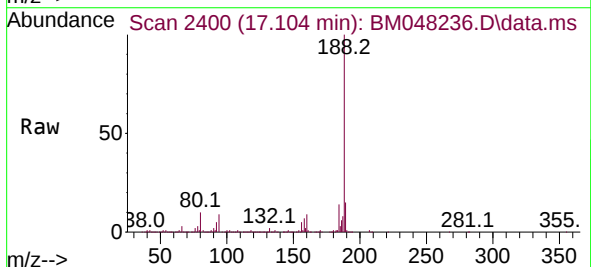
Manual Integrations
APPROVED

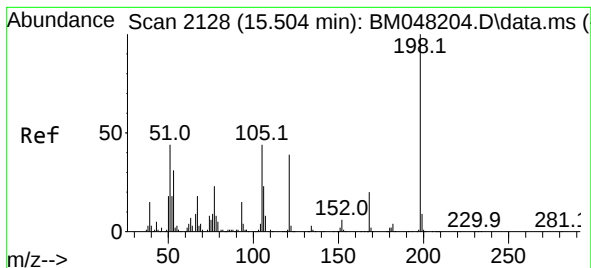
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

Tgt Ion:188 Resp: 1213573
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.8 8.0 12.0





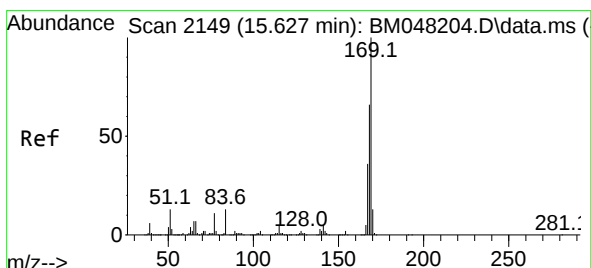
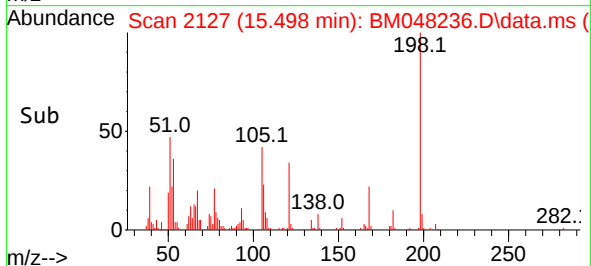
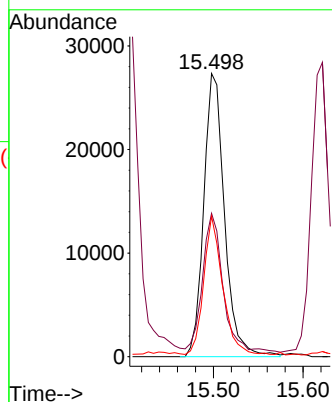
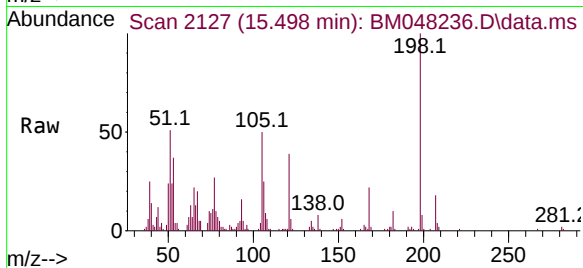
#65
4,6-Dinitro-2-methylphenol
Concen: 6.246 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

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

Tgt Ion:198 Resp: 4398
Ion Ratio Lower Upper
198 100
51 50.7 25.4 65.4
105 49.6 23.9 63.9

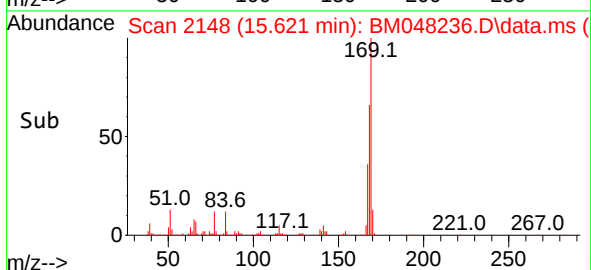
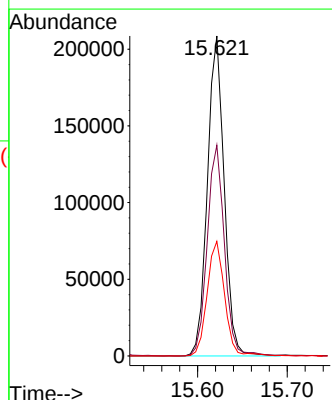
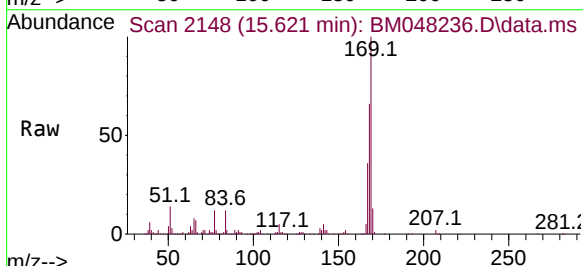
Manual Integrations
APPROVED

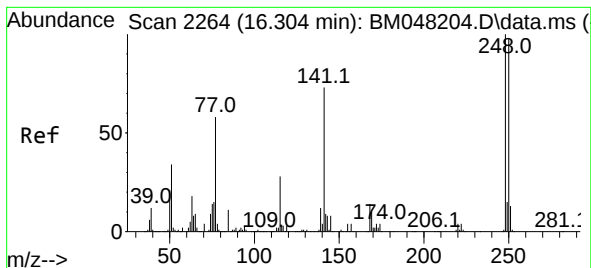
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#66
n-Nitrosodiphenylamine
Concen: 8.133 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

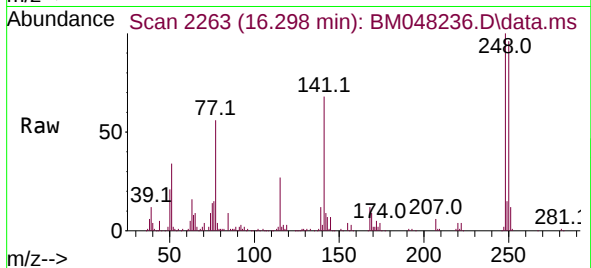
Tgt Ion:169 Resp: 270934
Ion Ratio Lower Upper
169 100
168 65.9 52.9 79.3
167 35.8 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 8.154 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

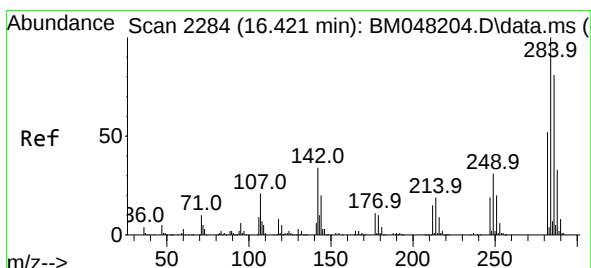
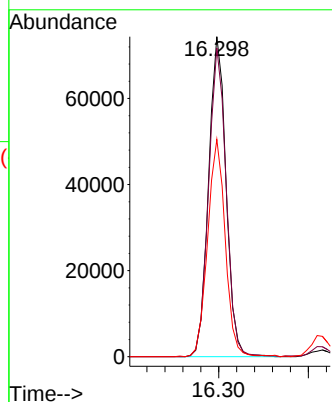
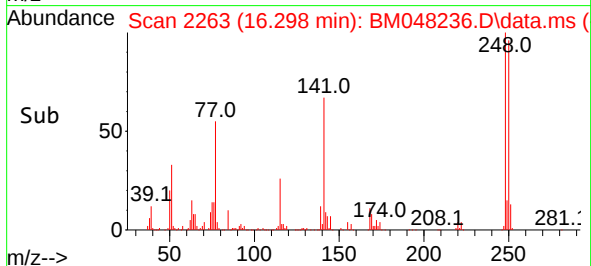
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



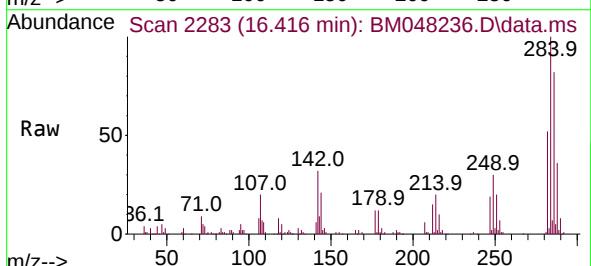
Tgt Ion:248 Resp: 10032
Ion Ratio Lower Upper
248 100
250 96.5 78.3 117.5
141 67.9 58.0 87.0

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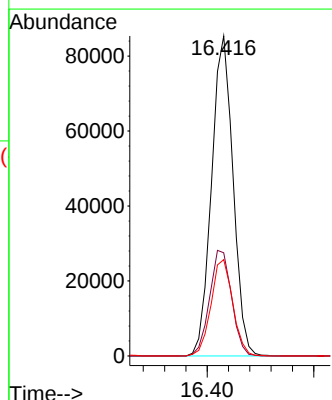
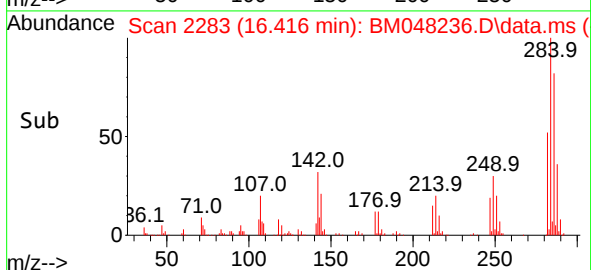
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

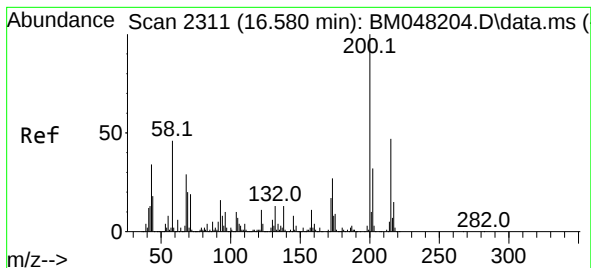


#68
Hexachlorobenzene
Concen: 8.071 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



Tgt Ion:284 Resp: 119274
Ion Ratio Lower Upper
284 100
142 32.2 27.0 40.4
249 30.1 24.6 36.8





#69

Atrazine

Concen: 9.781 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

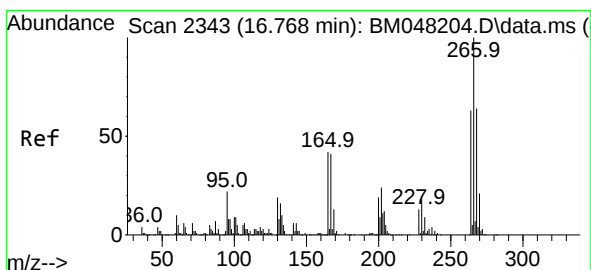
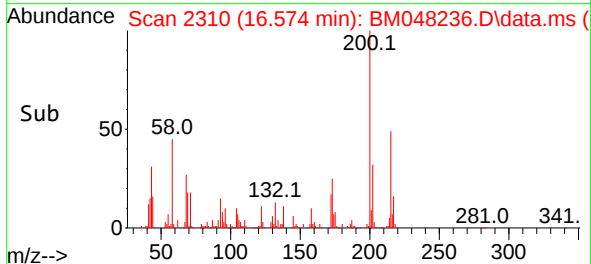
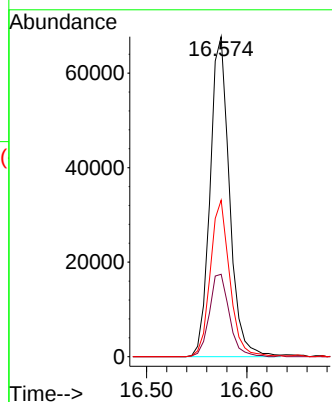
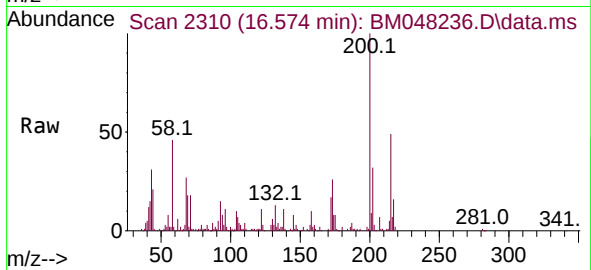
Tgt Ion:200 Resp: 91170
 Ion Ratio Lower Upper
 200 100
 173 25.8 6.5 46.5
 215 48.9 27.2 67.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#70

Pentachlorophenol

Concen: 6.777 ng

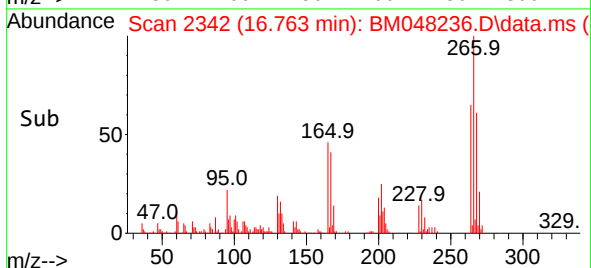
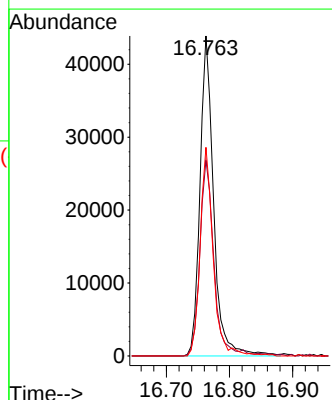
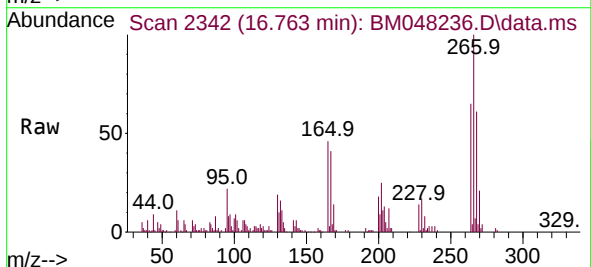
RT: 16.763 min Scan# 2342

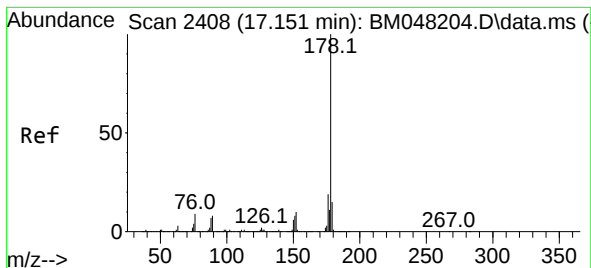
Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:266 Resp: 65750
 Ion Ratio Lower Upper
 266 100
 268 61.1 50.8 76.2
 264 65.2 50.2 75.2





#71

Phenanthrene

Concen: 8.473 ng

RT: 17.145 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:178 Resp: 50918

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

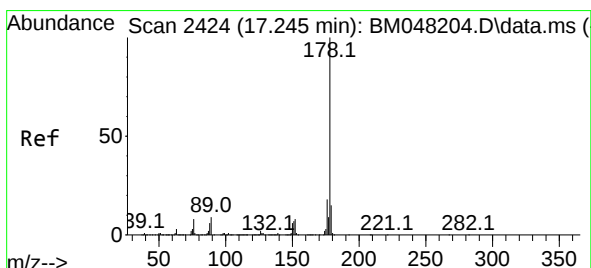
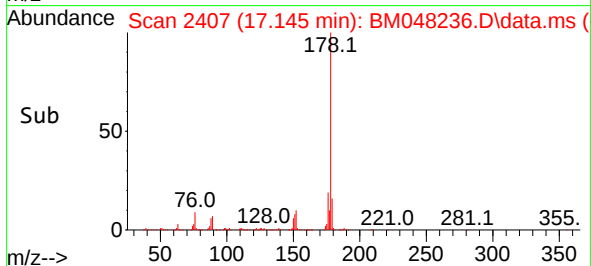
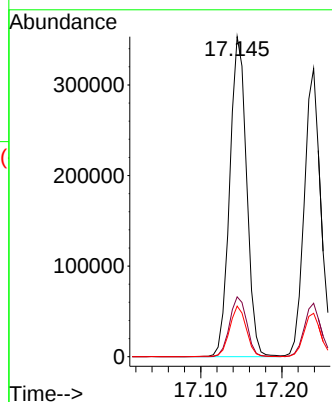
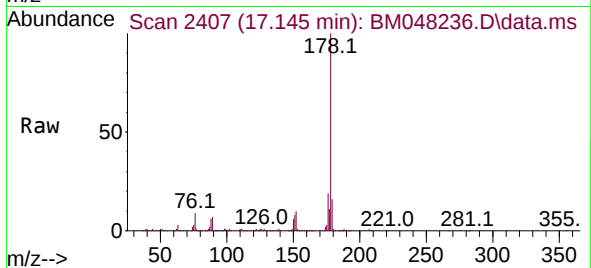
179 15.8 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#72

Anthracene

Concen: 7.889 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

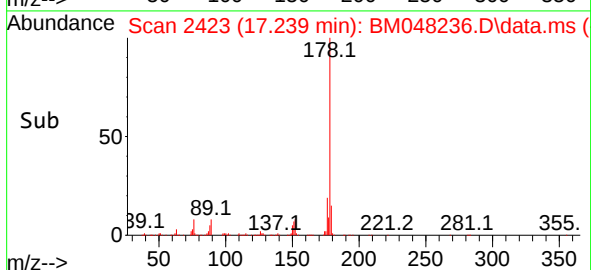
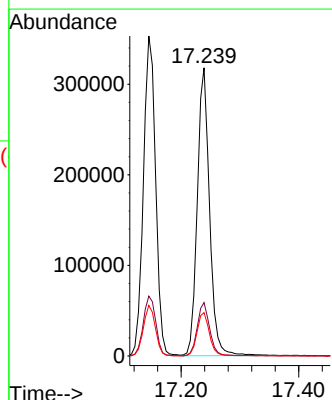
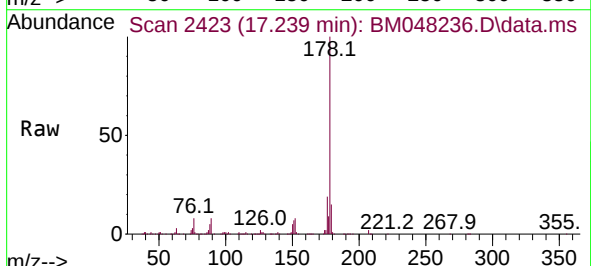
Tgt Ion:178 Resp: 458948

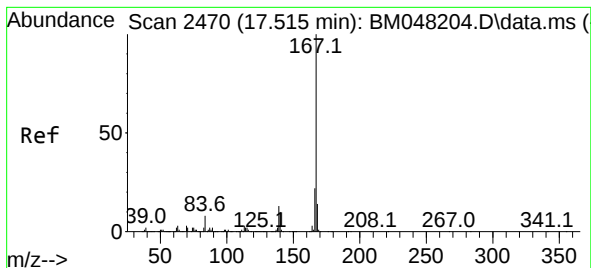
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 15.1 12.2 18.2





#73

Carbazole

Concen: 7.771 ng

RT: 17.510 min Scan# 2470

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:167 Resp: 443170

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

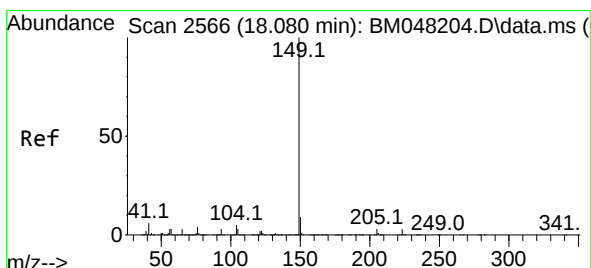
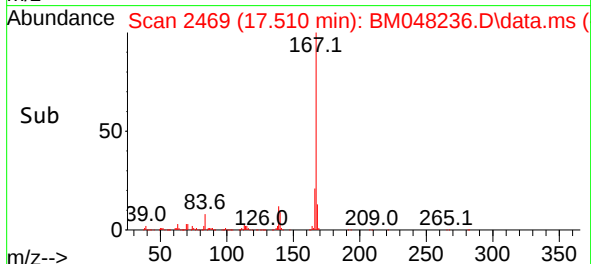
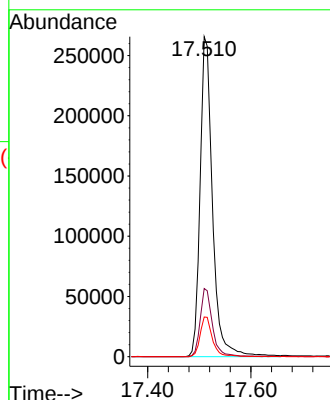
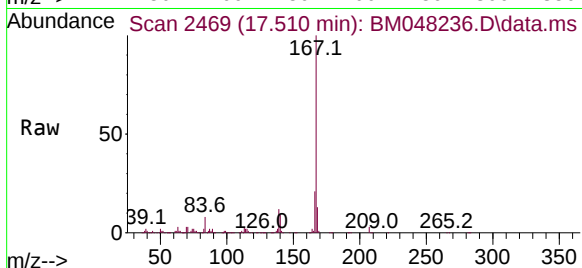
139 12.4 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#74

Di-n-butylphthalate

Concen: 7.400 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

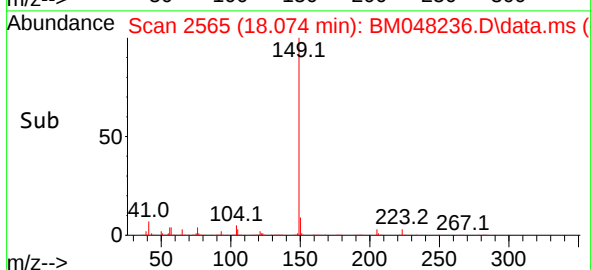
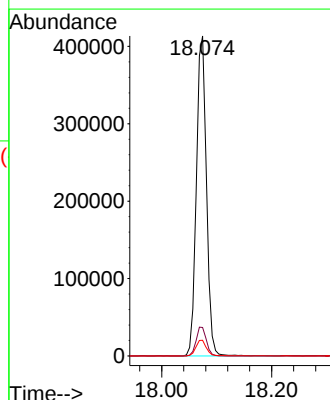
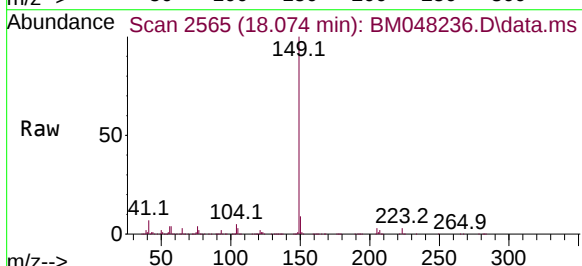
Tgt Ion:149 Resp: 525250

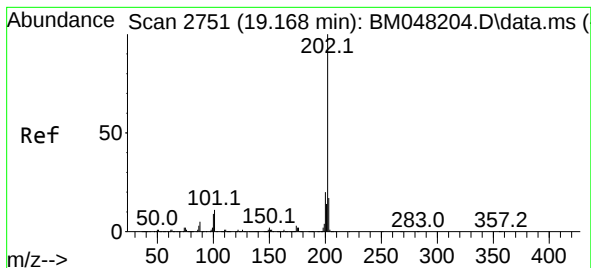
Ion Ratio Lower Upper

149 100

150 8.9 7.2 10.8

104 4.9 3.8 5.6





#75

Fluoranthene

Concen: 7.609 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

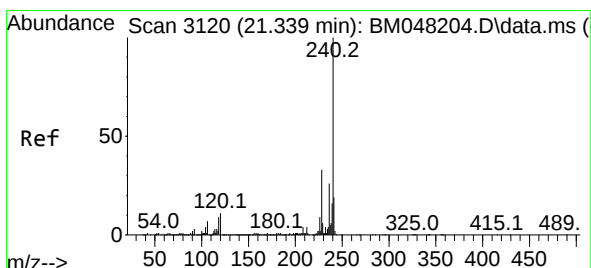
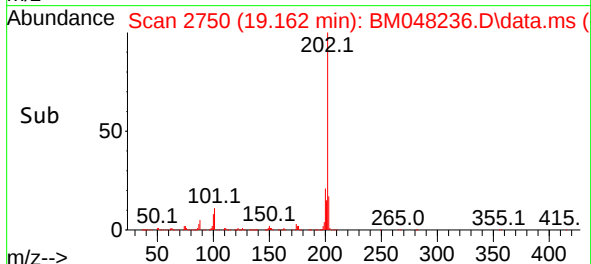
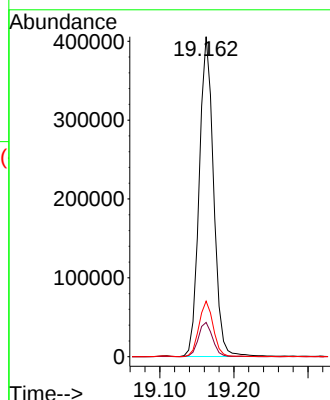
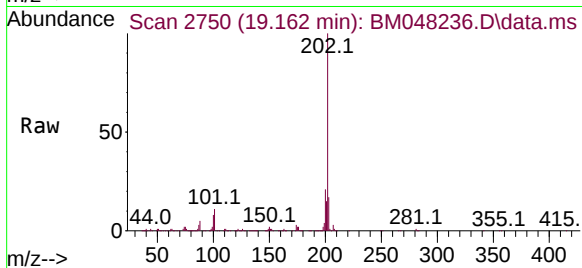
Tgt Ion:202 Resp: 545409
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.0
 203 17.4 0.0 37.5

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

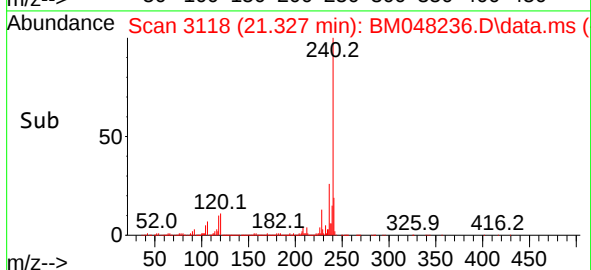
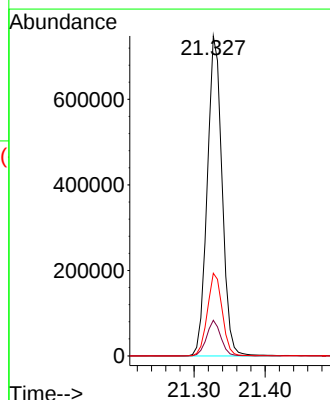
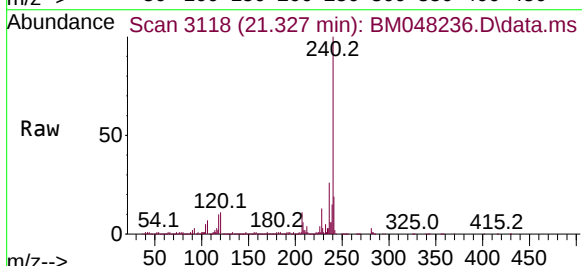
RT: 21.327 min Scan# 3118

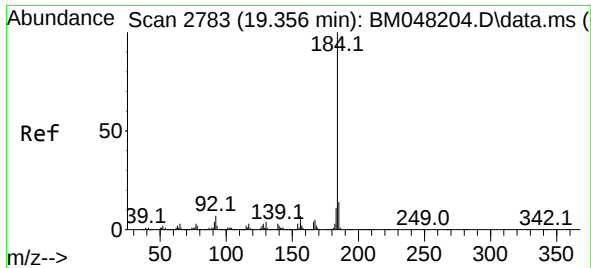
Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

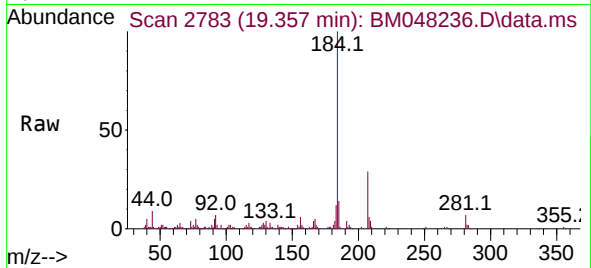
Tgt Ion:240 Resp: 1085827
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.6 13.0
 236 25.8 20.7 31.1





#77
Benzidine
Concen: 10.561 ng
RT: 19.357 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

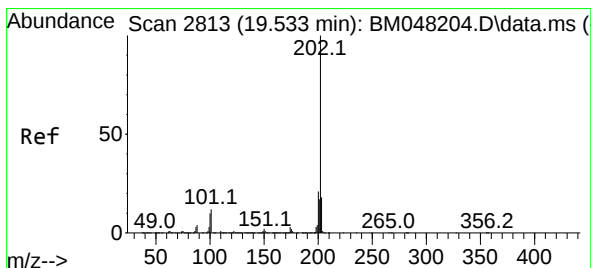
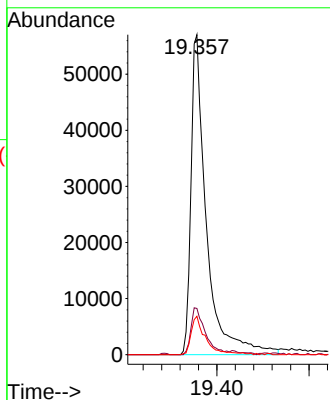
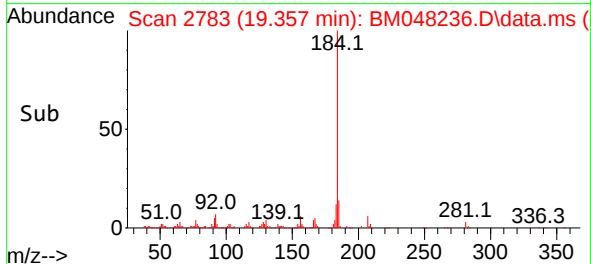
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



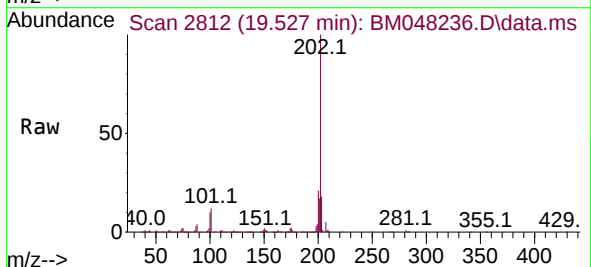
Tgt Ion:184 Resp: 132340
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.0
183 12.0 9.0 13.4

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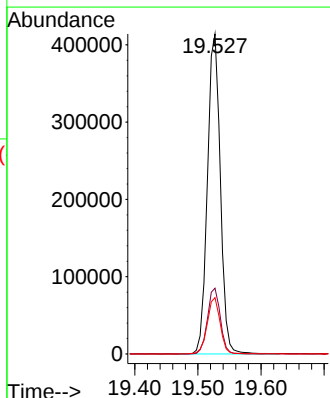
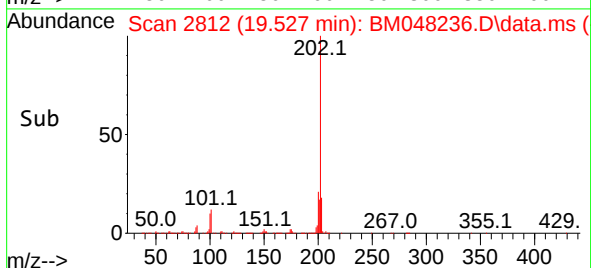
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

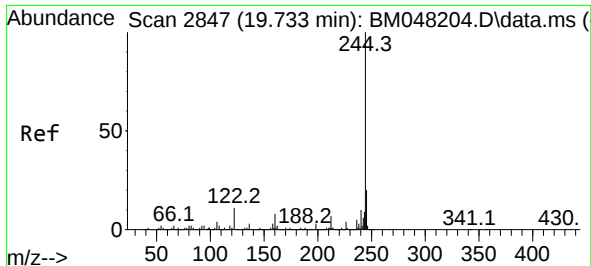


#78
Pyrene
Concen: 8.070 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



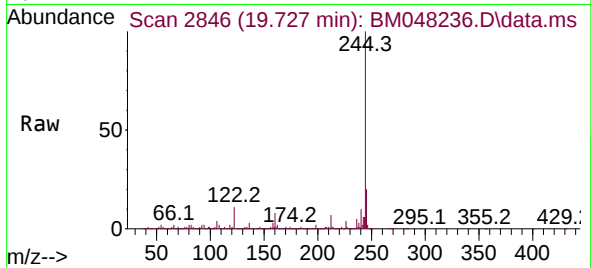
Tgt Ion:202 Resp: 586500
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.6 14.1 21.1





#79
Terphenyl-d14
Concen: 80.450 ng
RT: 19.727 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

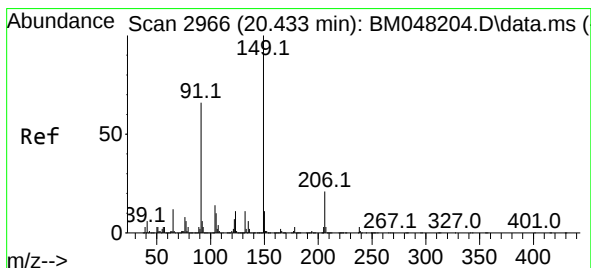
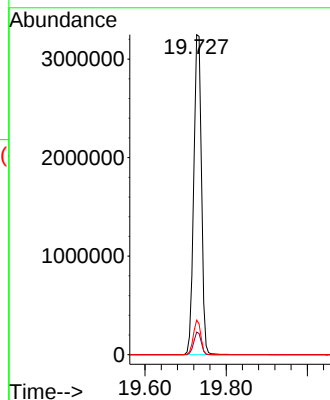
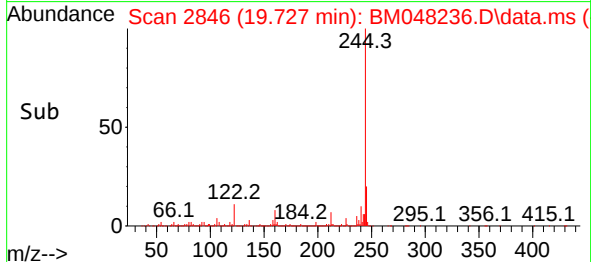
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2024



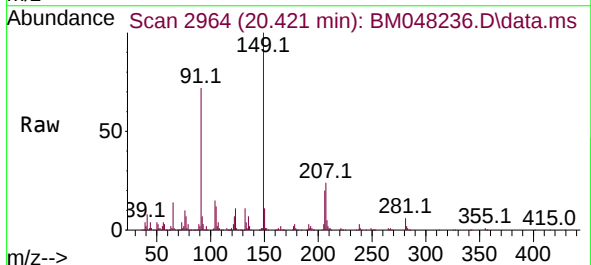
Tgt Ion:244 Resp: 4280539
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.8 8.8 13.2

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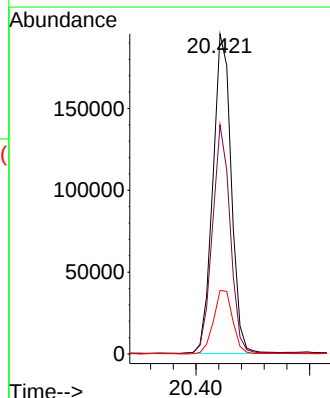
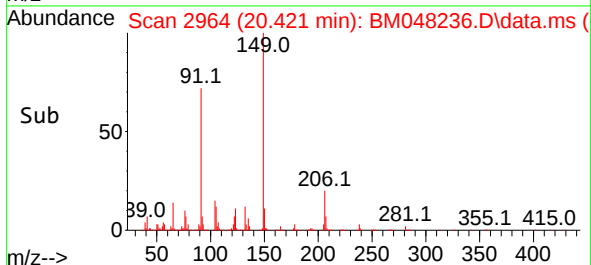
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

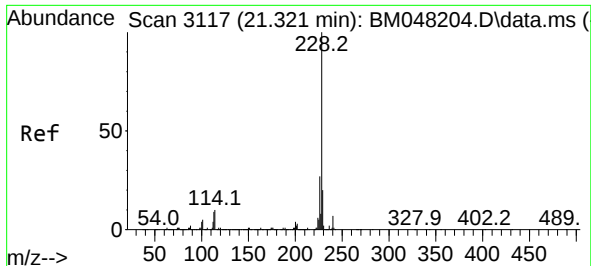


#80
Butylbenzylphthalate
Concen: 7.229 ng
RT: 20.421 min Scan# 2964
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



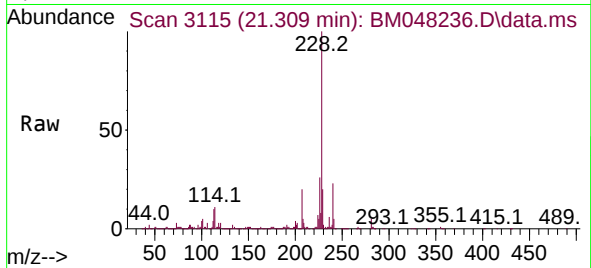
Tgt Ion:149 Resp: 219715
Ion Ratio Lower Upper
149 100
91 71.6 52.5 78.7
206 19.8 17.0 25.6





#81
Benzo(a)anthracene
Concen: 8.169 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56

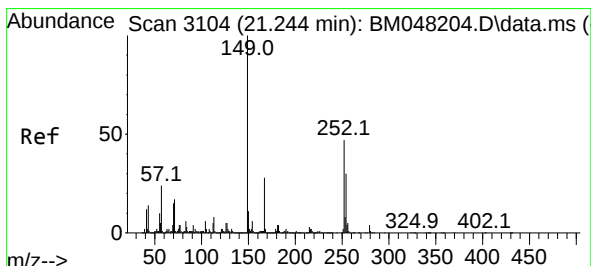
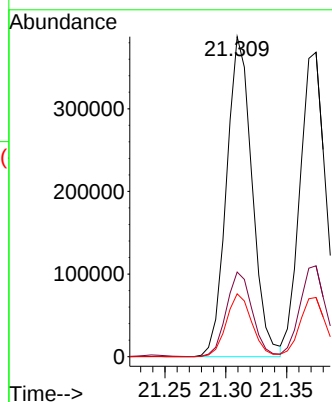
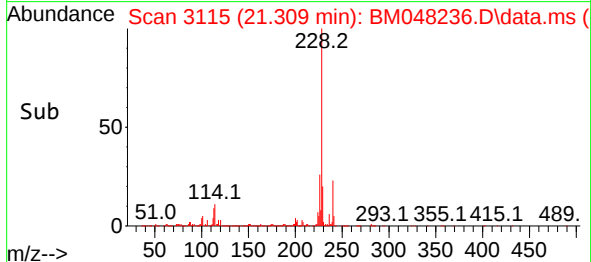
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2024



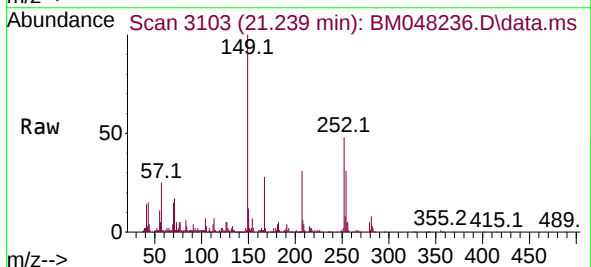
Tgt Ion:228 Resp: 566812
Ion Ratio Lower Upper
228 100
226 26.4 21.5 32.3
229 19.7 15.7 23.5

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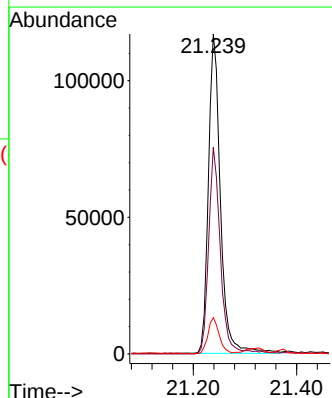
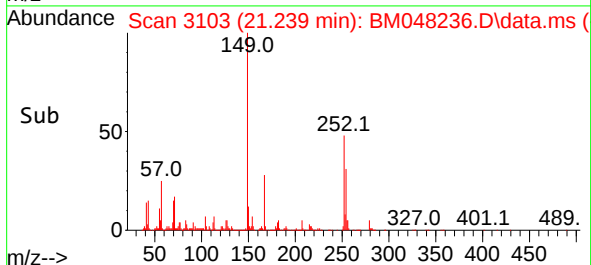
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

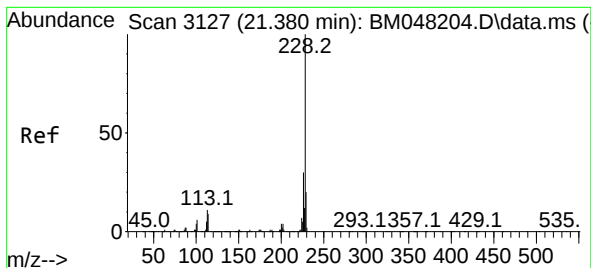


#82
3,3'-Dichlorobenzidine
Concen: 7.936 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048236.D
Acq: 25 Oct 2024 14:56



Tgt Ion:252 Resp: 188618
Ion Ratio Lower Upper
252 100
254 64.6 51.8 77.8
126 11.3 8.8 13.2





#83

Chrysene

Concen: 8.250 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

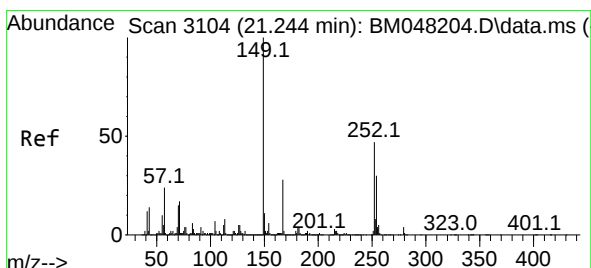
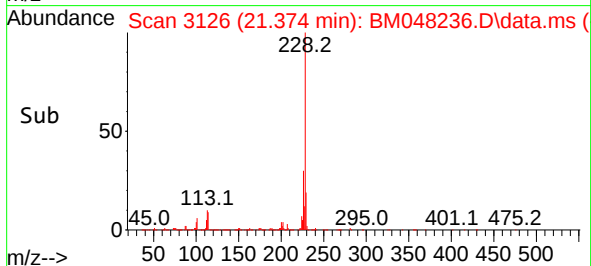
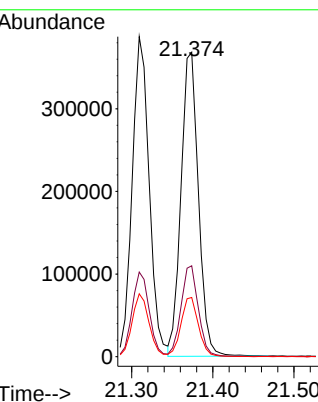
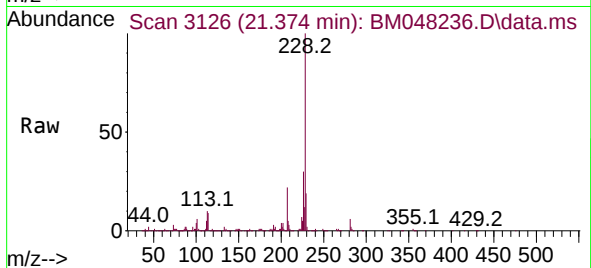
Tgt Ion:228 Resp: 549478
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.5 35.3
 229 19.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.468 ng

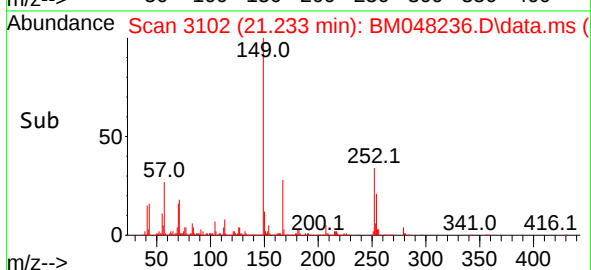
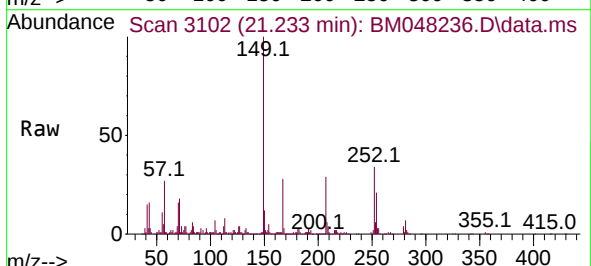
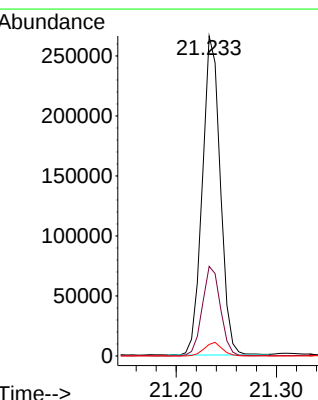
RT: 21.233 min Scan# 3102

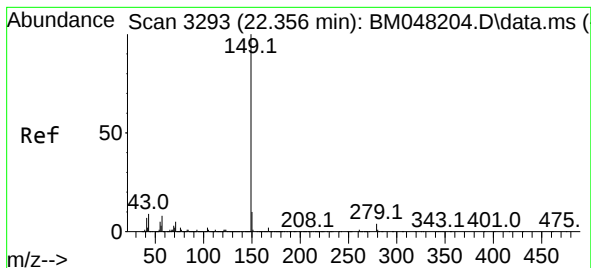
Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:149 Resp: 329863
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.5 33.7
 279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 6.695 ng

RT: 22.345 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:149 Resp: 51222

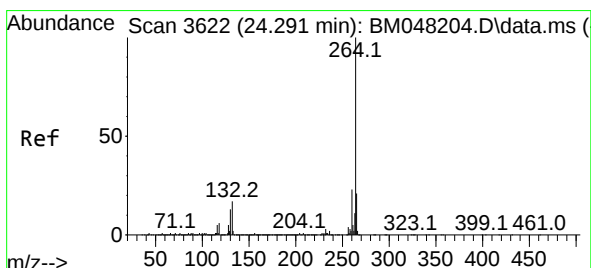
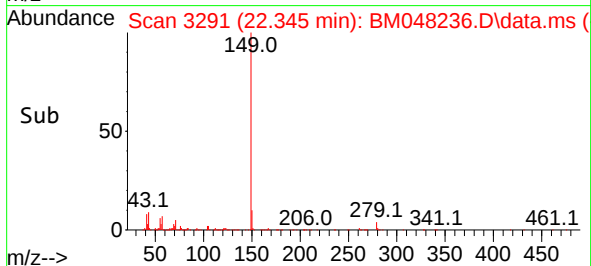
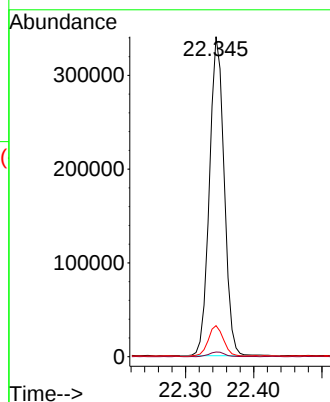
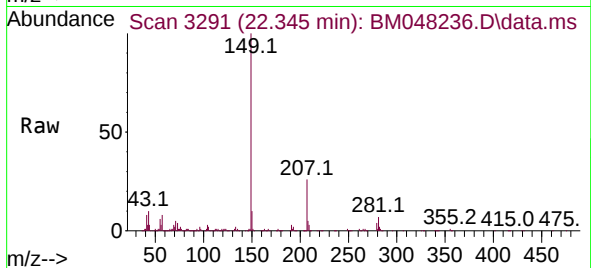
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.8	7.3	10.9

Manual Integrations

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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

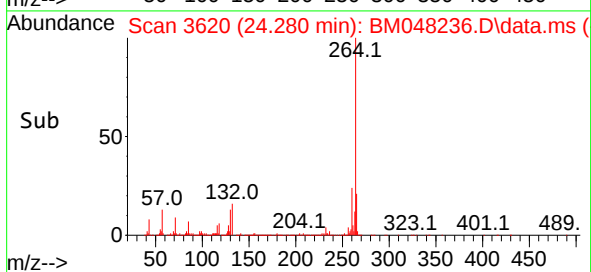
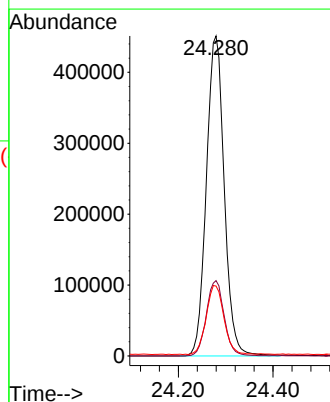
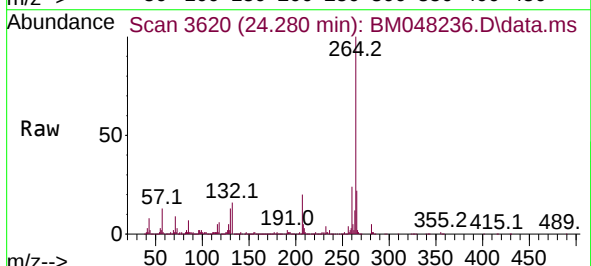
Delta R.T. -0.012 min

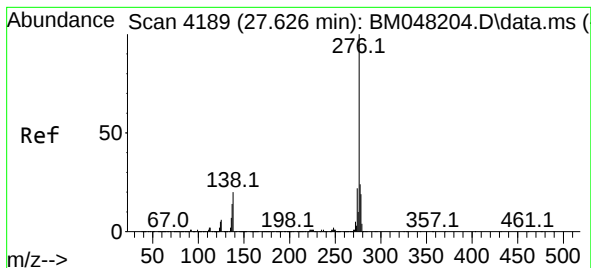
Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:264 Resp: 1182885

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.8	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.331 ng

RT: 27.597 min Scan# 4189

Delta R.T. -0.029 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

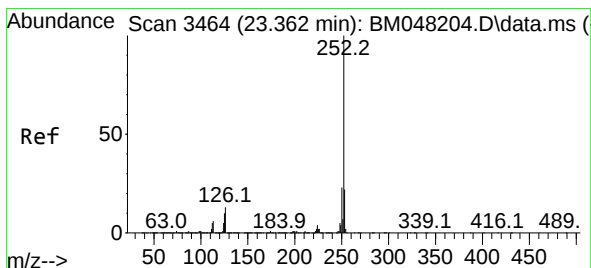
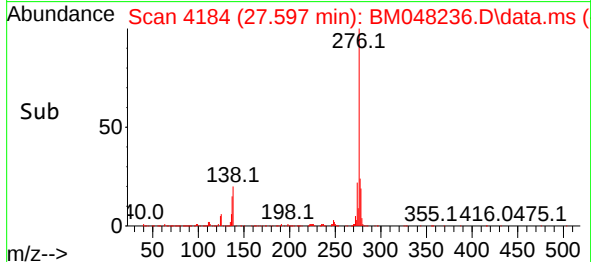
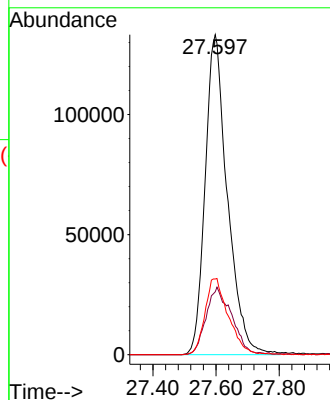
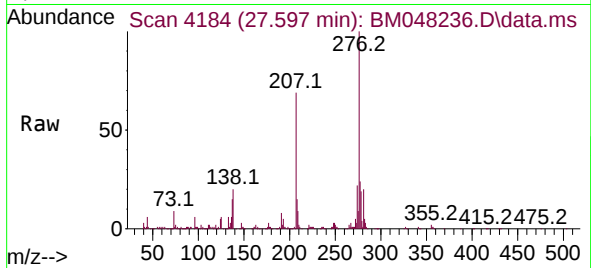
Tgt Ion:	276	Resp:	65163
Ion Ratio	Lower	Upper	
276	100		
138	24.1	19.8	29.6
277	25.2	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#88

Benzo(b)fluoranthene

Concen: 7.994 ng

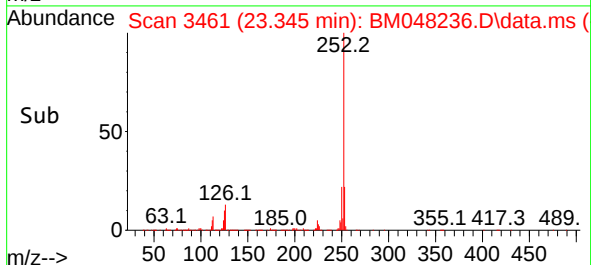
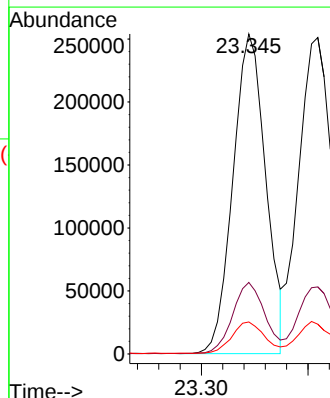
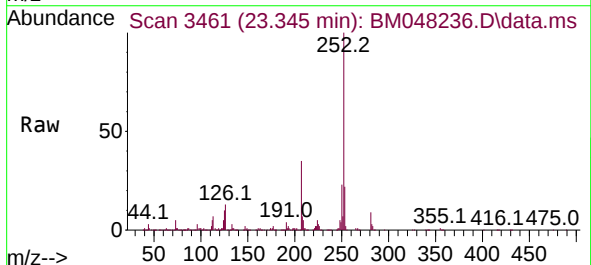
RT: 23.345 min Scan# 3461

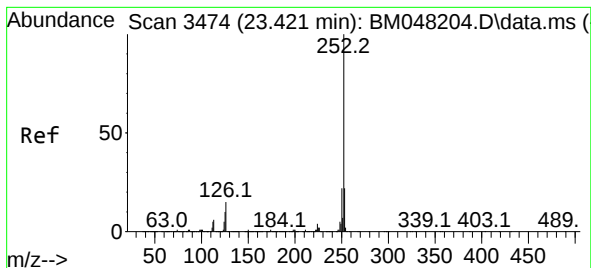
Delta R.T. -0.017 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:	252	Resp:	542202
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	10.0	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 8.629 ng

RT: 23.409 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

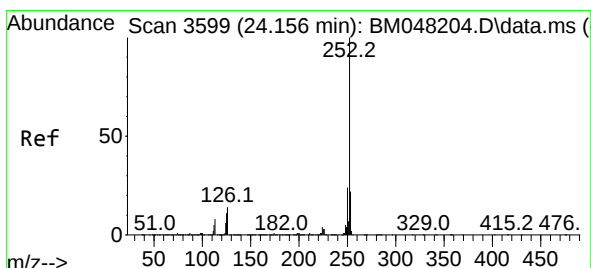
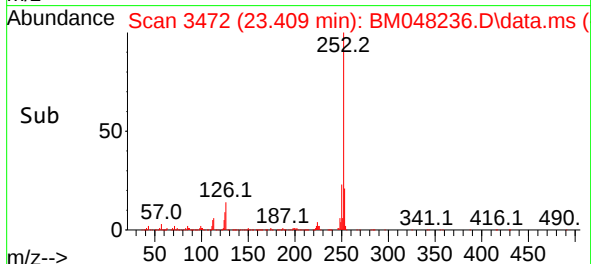
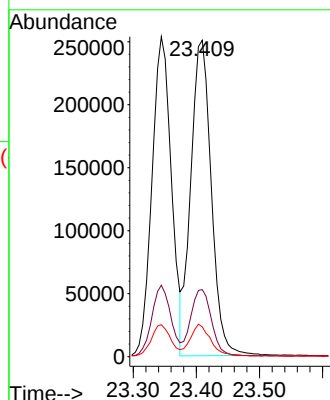
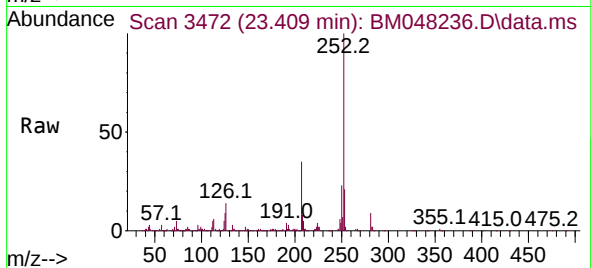
ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:252 Resp: 565800
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.8 26.8
 125 9.4 7.8 11.6

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



#90

Benzo(a)pyrene

Concen: 8.373 ng

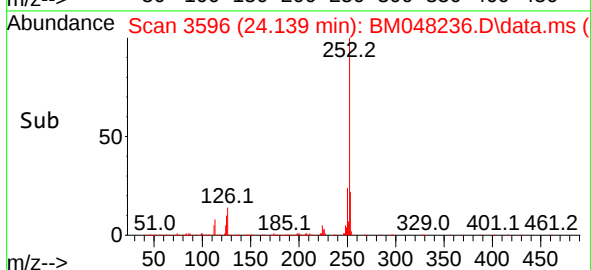
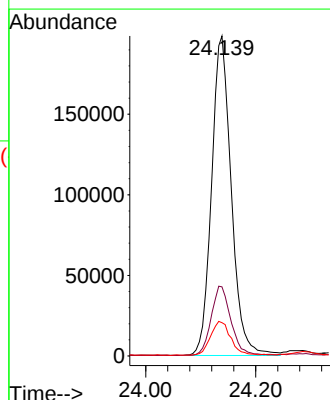
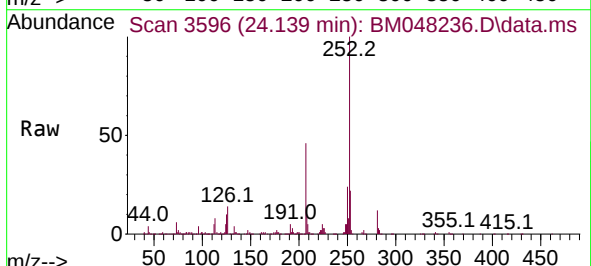
RT: 24.139 min Scan# 3596

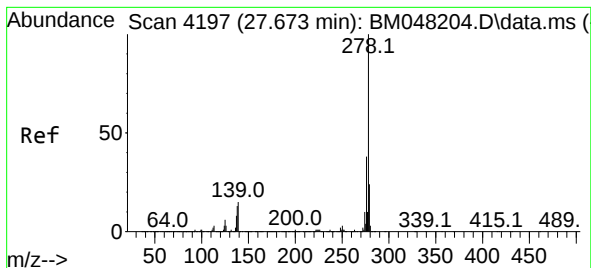
Delta R.T. -0.017 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:252 Resp: 493703
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.3 25.9
 125 10.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.291 ng

RT: 27.644 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:278 Resp: 540054

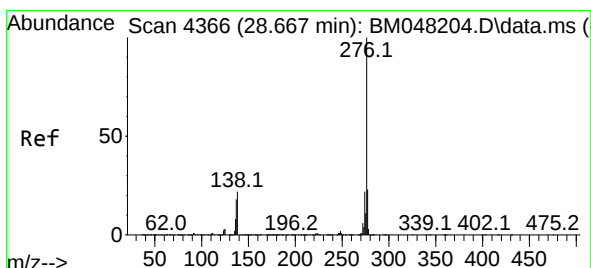
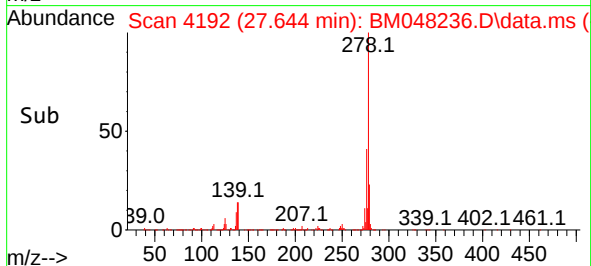
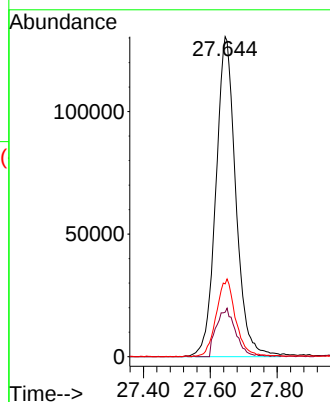
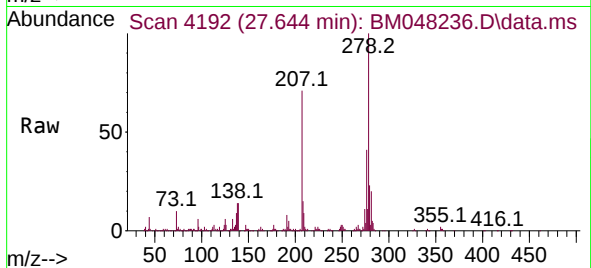
Ion	Ratio	Lower	Upper
278	100		
139	13.9	12.2	18.4
279	22.8	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#92

Benzo(g,h,i)perylene

Concen: 7.721 ng

RT: 28.632 min Scan# 4360

Delta R.T. -0.035 min

Lab File: BM048236.D

Acq: 25 Oct 2024 14:56

Tgt Ion:276 Resp: 514981

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	20.6	17.5	26.3

