

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
 Data File : BM047591.D
 Acq On : 20 Sep 2024 16:21
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4 ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 21 03:24:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	270143	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1132660	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	602287	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1118044	20.000	ng	0.00
76) Chrysene-d12	21.433	240	951186	20.000	ng	0.00
86) Perylene-d12	24.462	264	1063953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1818130	103.138	ng	0.00
7) Phenol-d6	7.004	99	2349266	101.142	ng	0.00
23) Nitrobenzene-d5	8.998	82	1474619	64.810	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	503944	90.361	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	2697029	63.362	ng	0.00
79) Terphenyl-d14	19.827	244	3077517	58.053	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	26280	3.424	ng	99
3) Pyridine	3.722	79	60793	2.857	ng	97
4) n-Nitrosodimethylamine	3.622	42	28225	3.199	ng	# 92
6) Aniline	7.169	93	75026	3.770	ng	99
8) 2-Chlorophenol	7.410	128	60187	3.261	ng	93
9) Benzaldehyde	6.981	77	58006m	4.894	ng	
10) Phenol	7.028	94	75103	3.256	ng	83
11) bis(2-Chloroethyl)ether	7.269	93	61471	3.316	ng	97
12) 1,3-Dichlorobenzene	7.734	146	63740	3.123	ng	95
13) 1,4-Dichlorobenzene	7.881	146	65249	3.160	ng	94
14) 1,2-Dichlorobenzene	8.198	146	63127	3.171	ng	98
15) Benzyl Alcohol	8.081	79	44961	3.000	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.369	45	82437	3.489	ng	97
17) 2-Methylphenol	8.281	107	41729	2.879	ng	98
18) Hexachloroethane	8.928	117	26129	3.120	ng	94
19) n-Nitroso-di-n-propyla...	8.645	70	41061	2.886	ng	96
20) 3+4-Methylphenols	8.604	107	54979	2.785	ng	93
22) Acetophenone	8.663	105	87811	2.976	ng	# 98
24) Nitrobenzene	9.039	77	72005	3.064	ng	98
25) Isophorone	9.569	82	103569	2.724	ng	97
26) 2-Nitrophenol	9.751	139	18400	2.227	ng	100
27) 2,4-Dimethylphenol	9.810	122	33680	2.860	ng	97
28) bis(2-Chloroethoxy)met...	10.045	93	70109	2.866	ng	98
29) 2,4-Dichlorophenol	10.286	162	36566	2.456	ng	96
30) 1,2,4-Trichlorobenzene	10.504	180	48327	2.848	ng	97
31) Naphthalene	10.692	128	170440	2.844	ng	99
32) Benzoic acid	9.851	122	17185m	1.565	ng	
33) 4-Chloroaniline	10.792	127	59722	2.827	ng	97
34) Hexachlorobutadiene	10.986	225	24338	2.635	ng	95
35) Caprolactam	11.545	113	9738	1.892	ng	96
36) 4-Chloro-3-methylphenol	11.916	107	39408	2.320	ng	95
37) 2-Methylnaphthalene	12.298	142	100970	2.682	ng	96
38) 1-Methylnaphthalene	12.522	142	94621	2.533	ng	96
40) 1,2,4,5-Tetrachloroben...	12.669	216	44050	2.771	ng	97
41) Hexachlorocyclopentadiene	12.657	237	17058	3.251	ng	95
43) 2,4,6-Trichlorophenol	12.904	196	22773	2.205	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	25616	2.206	ng	91
46) 1,1'-Biphenyl	13.310	154	135773	2.919	ng	98
47) 2-Chloronaphthalene	13.351	162	100143	2.752	ng	98
48) 2-Nitroaniline	13.545	65	20917	1.924	ng	91
49) Acenaphthylene	14.198	152	147582	2.818	ng	97
50) Dimethylphthalate	13.927	163	109188	2.626	ng	99
51) 2,6-Dinitrotoluene	14.039	165	16360	1.878	ng	# 85
52) Acenaphthene	14.539	154	90711m	2.622	ng	
53) 3-Nitroaniline	14.368	138	19845	1.986	ng	# 93
54) 2,4-Dinitrophenol	14.568	184	4882	1.236	ng	# 82
55) Dibenzofuran	14.868	168	137972	2.729	ng	97
56) 4-Nitrophenol	14.668	139	14239	1.663	ng	94
57) 2,4-Dinitrotoluene	14.821	165	19852	1.710	ng	# 94
58) Fluorene	15.521	166	108491	2.424	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	19206	2.164	ng	93
60) Diethylphthalate	15.292	149	108011	2.436	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	46170	2.361	ng	97
62) 4-Nitroaniline	15.521	138	17818	1.583	ng	87
63) Azobenzene	15.804	77	117747	2.429	ng	99
65) 4,6-Dinitro-2-methylph...	15.580	198	7646	1.443	ng	90
66) n-Nitrosodiphenylamine	15.727	169	84152	2.520	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	24503	2.413	ng	98
68) Hexachlorobenzene	16.521	284	30186	2.542	ng	98
69) Atrazine	16.668	200	22500	2.799	ng	95
70) Pentachlorophenol	16.857	266	13438	1.803	ng	93
71) Phenanthrene	17.251	178	162002	2.669	ng	100
72) Anthracene	17.339	178	147707	2.569	ng	98
73) Carbazole	17.604	167	140194	2.340	ng	99
74) Di-n-butylphthalate	18.180	149	149245	2.059	ng	98
75) Fluoranthene	19.256	202	151631	2.270	ng	98
77) Benzidine	19.439	184	44712	3.452	ng	98
78) Pyrene	19.621	202	160392	2.409	ng	99
80) Butylbenzylphthalate	20.515	149	56130	1.937	ng	98
81) Benzo(a)anthracene	21.415	228	166773	2.666	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	41184	2.120	ng	97
83) Chrysene	21.480	228	163191	2.744	ng	99
84) Bis(2-ethylhexyl)phtha...	21.350	149	84102	1.814	ng	100
85) Di-n-octyl phthalate	22.497	149	125078	1.749	ng	# 94
87) Indeno(1,2,3-cd)pyrene	27.873	276	184551	2.523	ng	# 78
88) Benzo(b)fluoranthene	23.503	252	154250	2.307	ng	97
89) Benzo(k)fluoranthene	23.562	252	160886m	2.451	ng	
90) Benzo(a)pyrene	24.315	252	141623	2.498	ng	96
91) Dibenzo(a,h)anthracene	27.938	278	148735	2.434	ng	98
92) Benzo(g,h,i)perylene	28.932	276	145680	2.379	ng	99

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

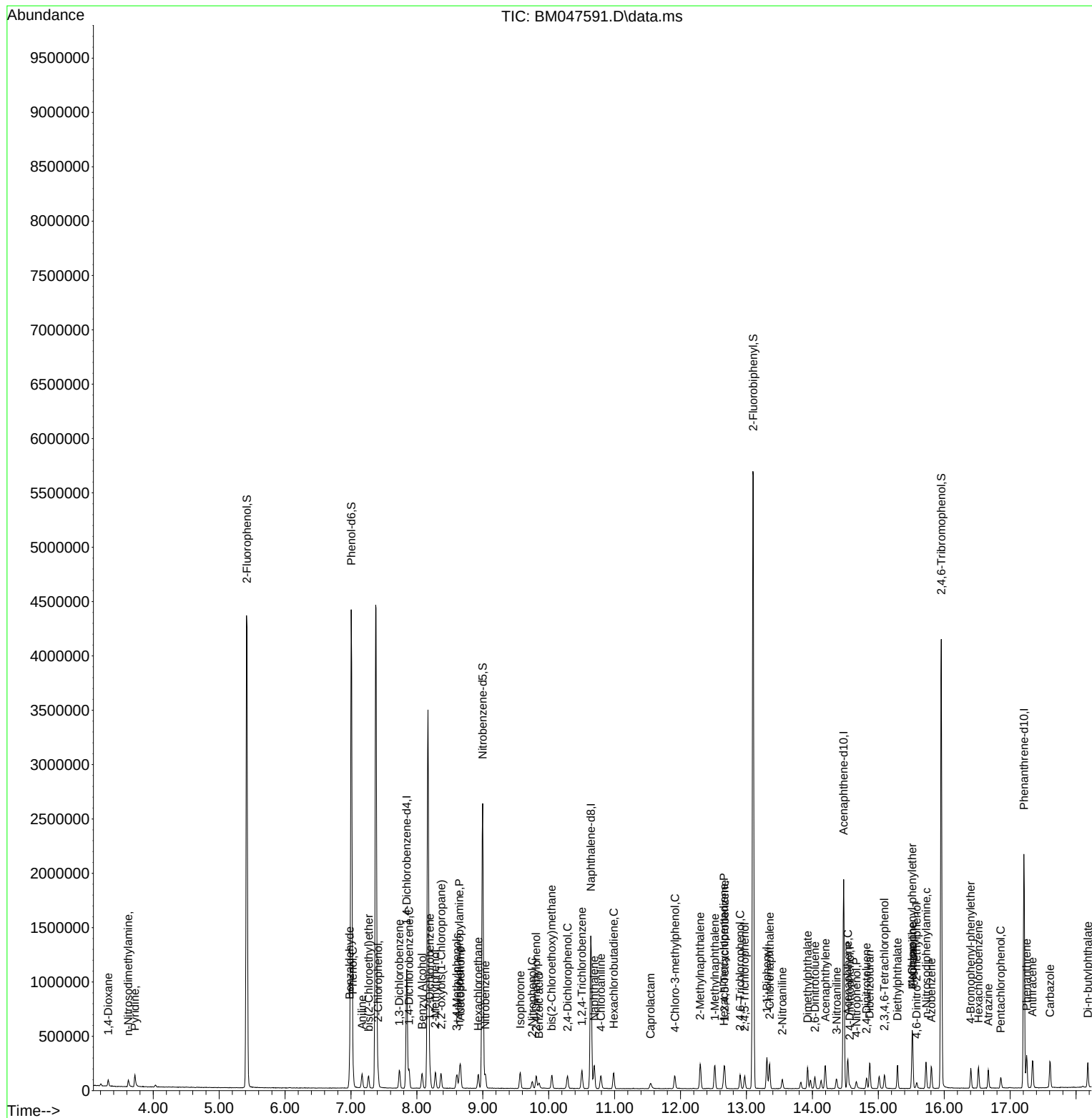
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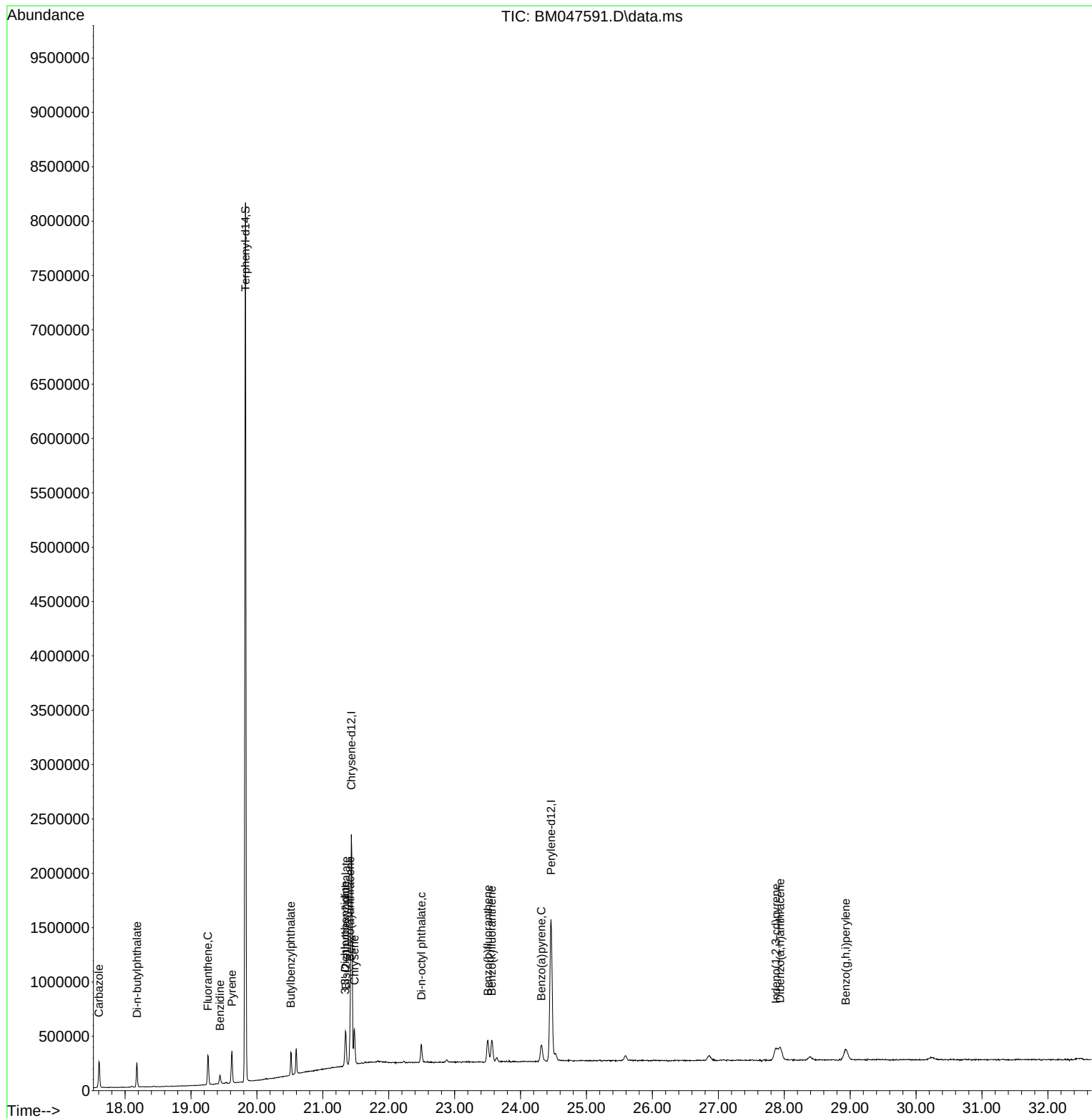
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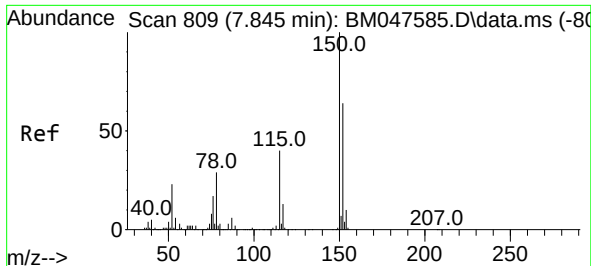
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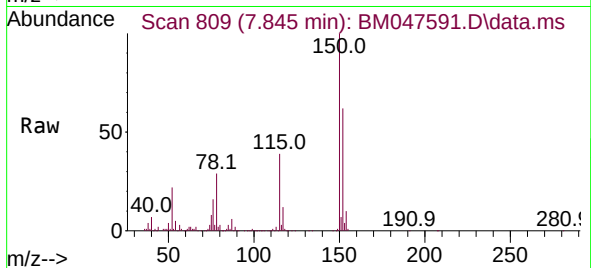
Reviewed By :Yogesh Patel 09/21/2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

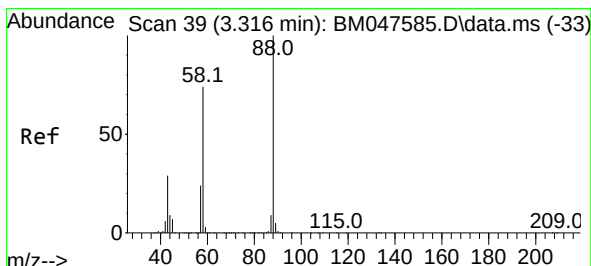
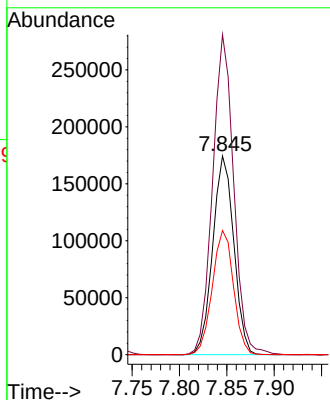
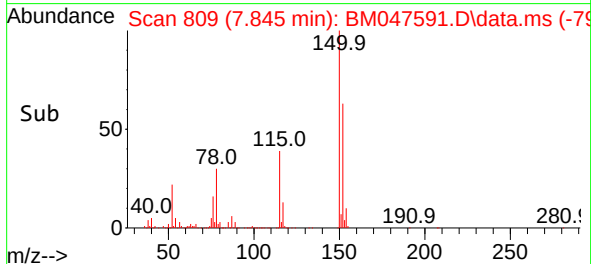
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 152 Resp: 27014
Ion Ratio Lower Upper
152 100
150 161.0 124.5 186.7
115 62.4 49.9 74.9

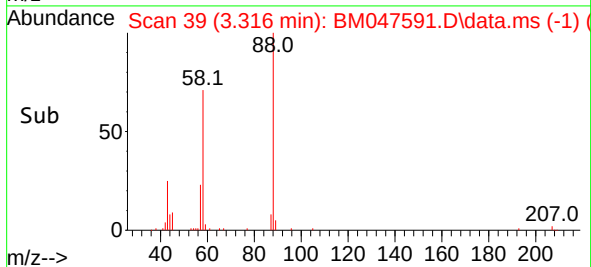
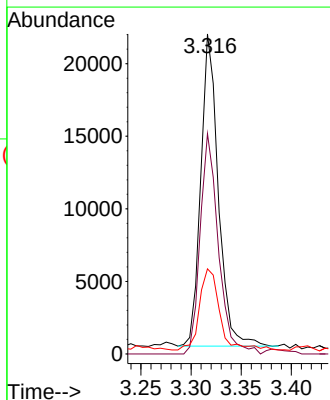
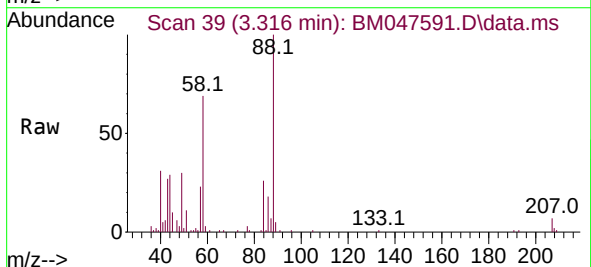
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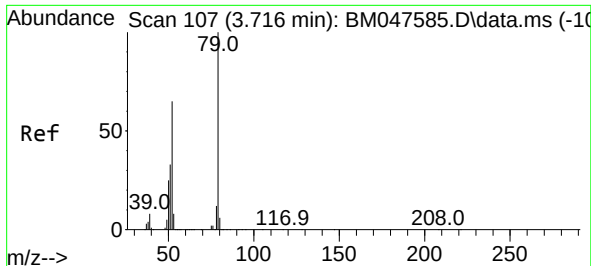
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#2
1,4-Dioxane
Concen: 3.424 ng
RT: 3.316 min Scan# 39
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

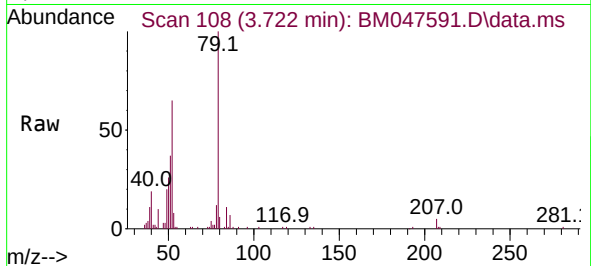
Tgt Ion: 88 Resp: 26280
Ion Ratio Lower Upper
88 100
58 73.0 58.0 87.0
43 29.8 23.1 34.7





#3
Pyridine
Concen: 2.857 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

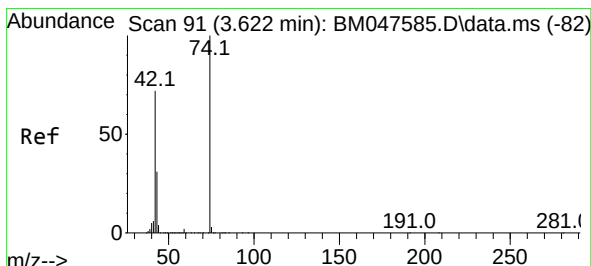
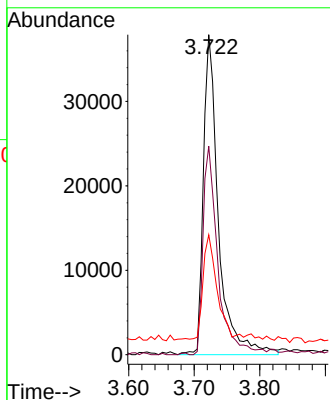
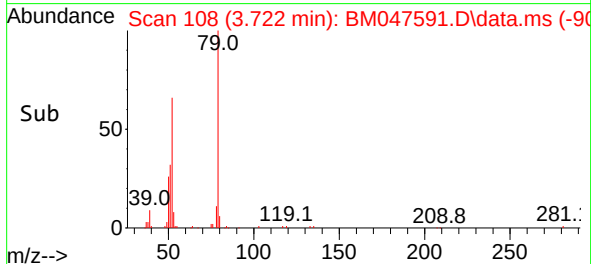
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 79 Resp: 6079
Ion Ratio Lower Upper
79 100
52 65.1 52.2 78.2
51 37.4 26.5 39.7

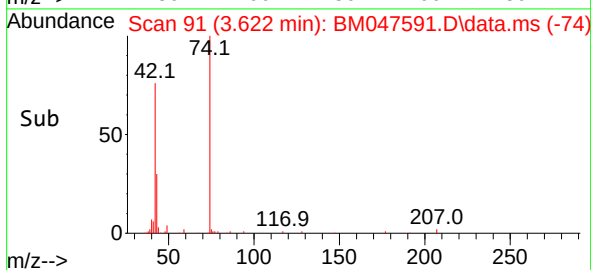
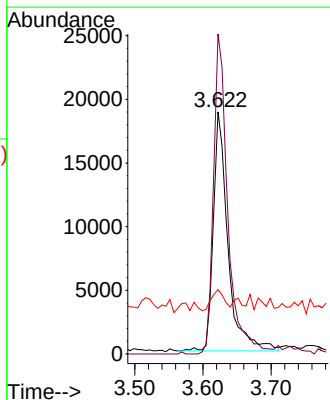
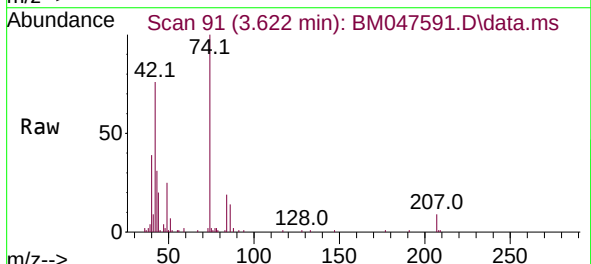
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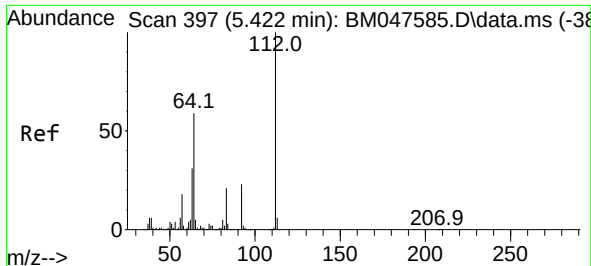
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#4
n-Nitrosodimethylamine
Concen: 3.199 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

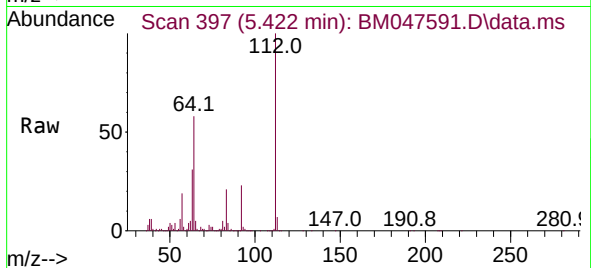
Tgt Ion: 42 Resp: 28225
Ion Ratio Lower Upper
42 100
74 132.2 110.8 166.2
44 26.6 6.1 9.1





#5
2-Fluorophenol
Concen: 103.138 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

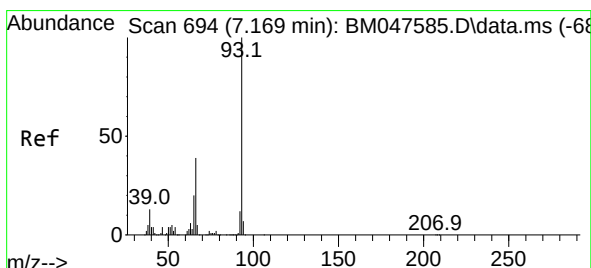
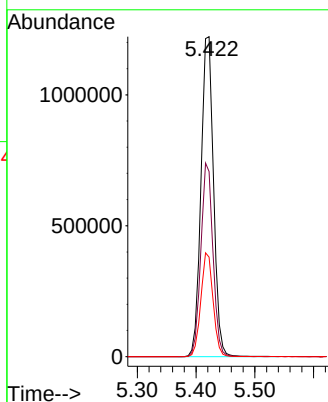
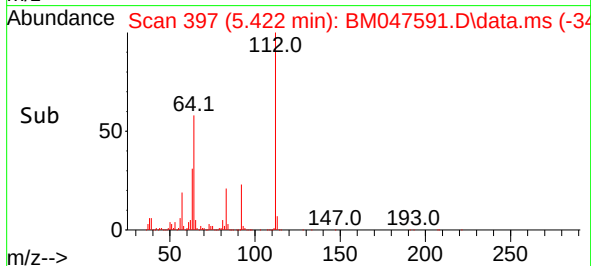
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 112 Resp: 1818130
Ion Ratio Lower Upper
112 100
64 57.9 46.8 70.2
63 31.1 25.2 37.8

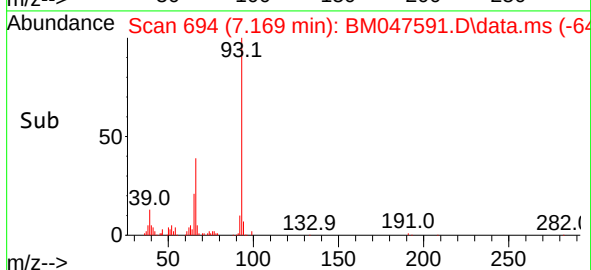
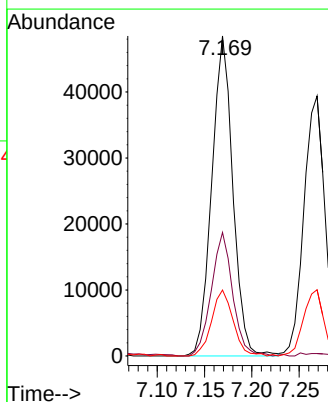
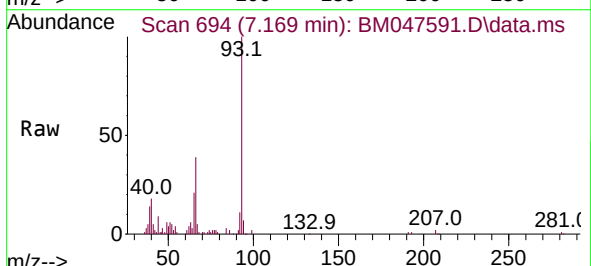
Manual Integrations
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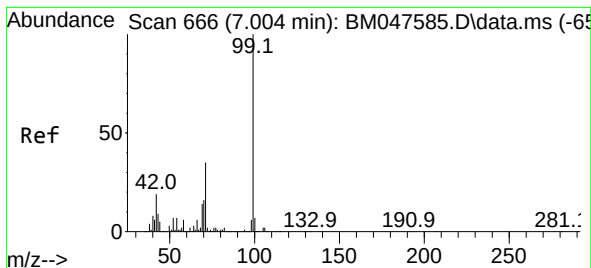
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#6
Aniline
Concen: 3.770 ng
RT: 7.169 min Scan# 694
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 93 Resp: 75026
Ion Ratio Lower Upper
93 100
66 38.6 31.4 47.0
65 20.6 16.2 24.2





#7

Phenol-d6

Concen: 101.142 ng

RT: 7.004 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM047591.D

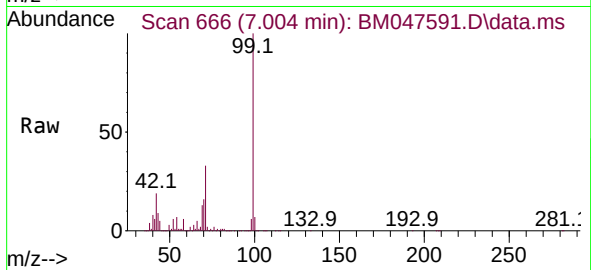
Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion: 99 Resp: 234926

Ion Ratio Lower Upper

99 100

42 18.5 15.3 22.9

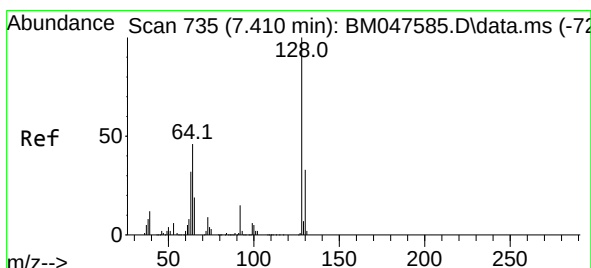
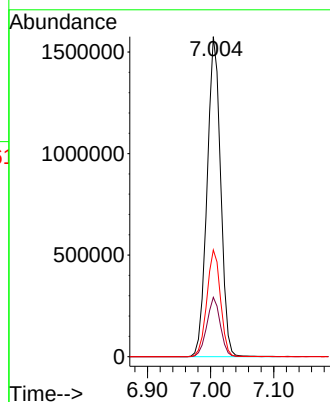
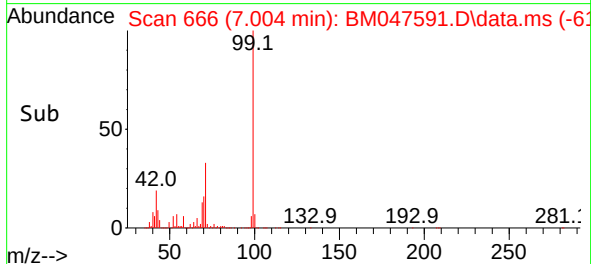
71 33.3 27.8 41.6

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 09/24/2024



#8

2-Chlorophenol

Concen: 3.261 ng

RT: 7.410 min Scan# 735

Delta R.T. 0.000 min

Lab File: BM047591.D

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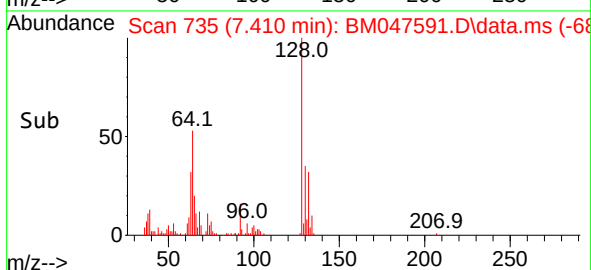
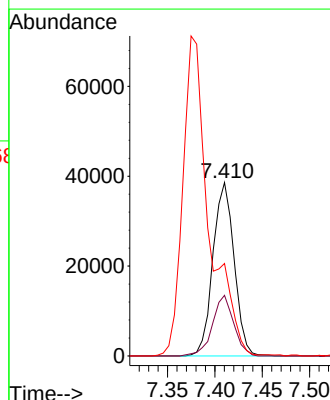
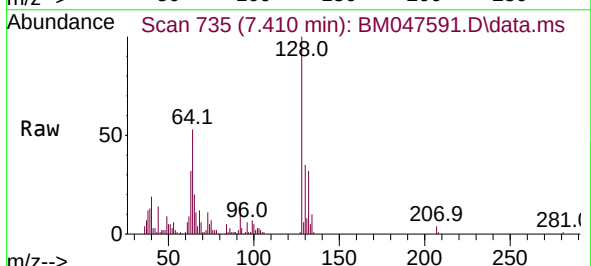
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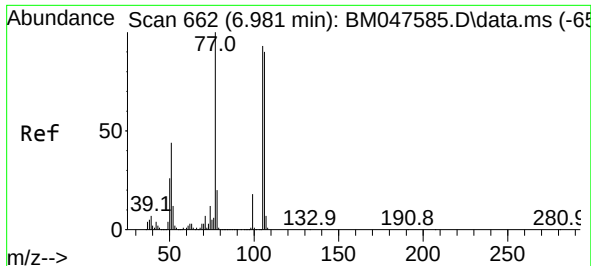
Ion Ratio Lower Upper

128 100

130 35.0 12.6 52.6

64 53.3 27.6 67.6





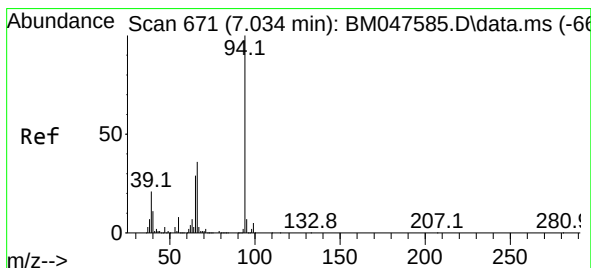
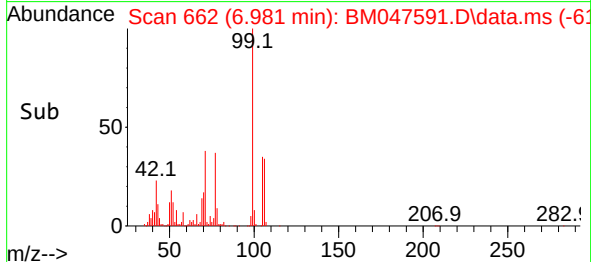
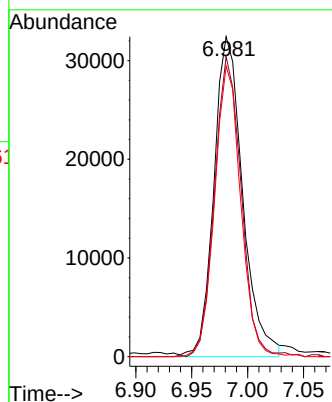
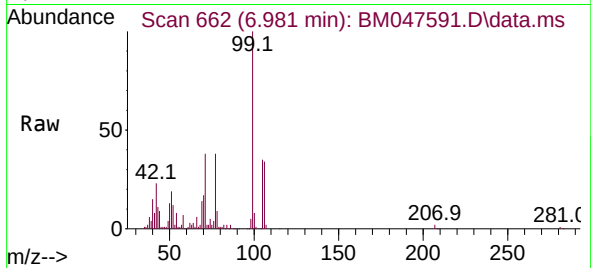
#9
Benzaldehyde
Concen: 4.894 ng m
RT: 6.981 min Scan# 662
Delta R.T. -0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 58000
Ion Ratio Lower Upper
77 100
105 93.8 73.0 113.0
106 90.8 70.3 110.3

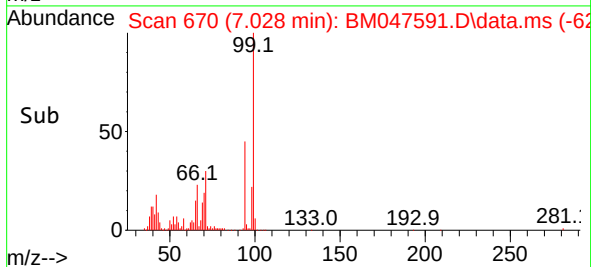
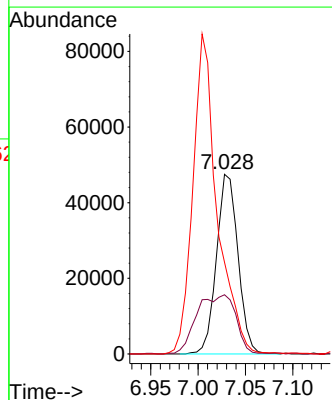
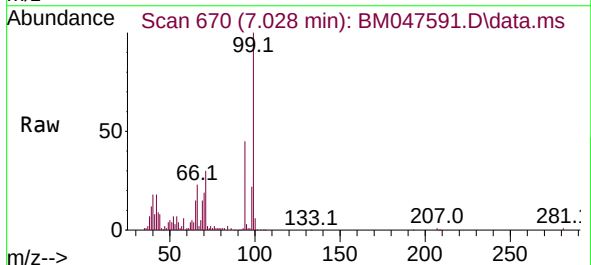
Manual Integrations
APPROVED

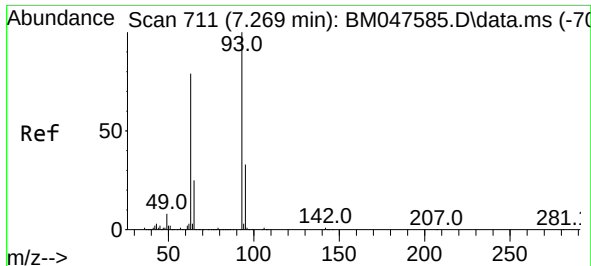
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#10
Phenol
Concen: 3.256 ng
RT: 7.028 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 94 Resp: 75103
Ion Ratio Lower Upper
94 100
65 32.9 9.1 49.1
66 51.1 16.5 56.5





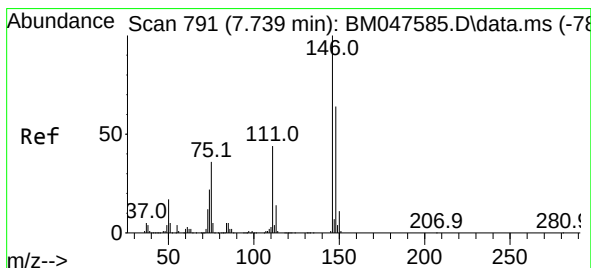
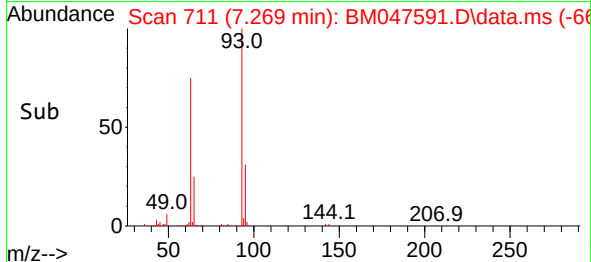
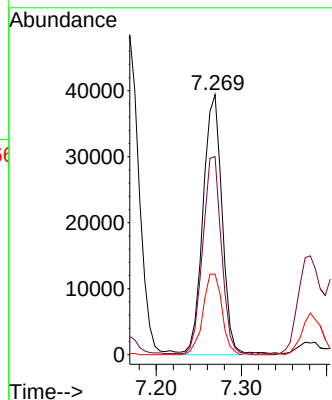
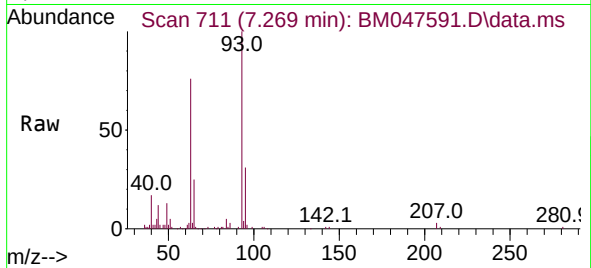
#11
bis(2-Chloroethyl)ether
Concen: 3.316 ng
RT: 7.269 min Scan# 711
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 93 Resp: 6147
Ion Ratio Lower Upper
93 100
63 76.2 58.5 98.5
95 31.0 12.9 52.9

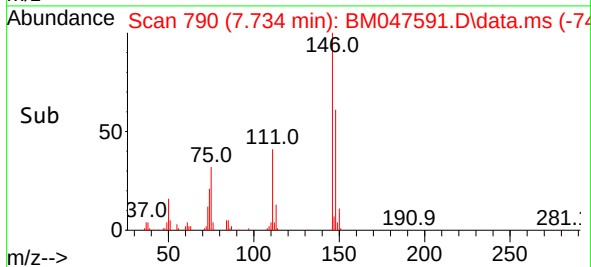
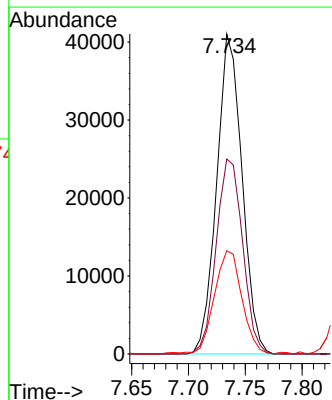
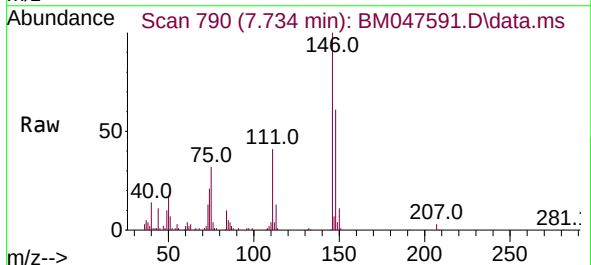
Manual Integrations
APPROVED

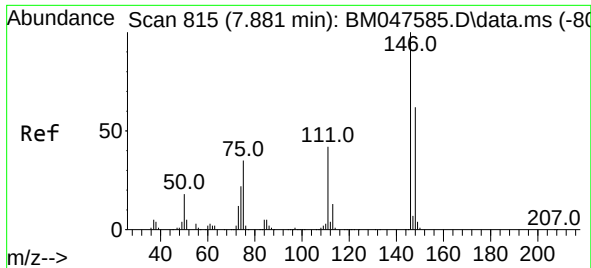
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#12
1,3-Dichlorobenzene
Concen: 3.123 ng
RT: 7.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:146 Resp: 63740
Ion Ratio Lower Upper
146 100
148 60.9 51.4 77.2
75 32.3 28.4 42.6





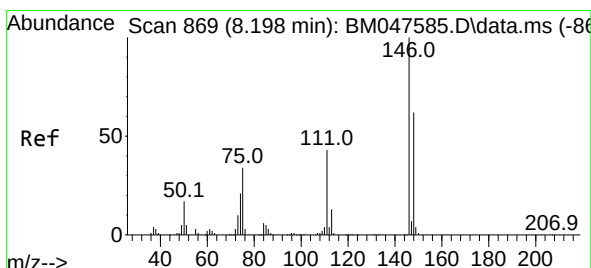
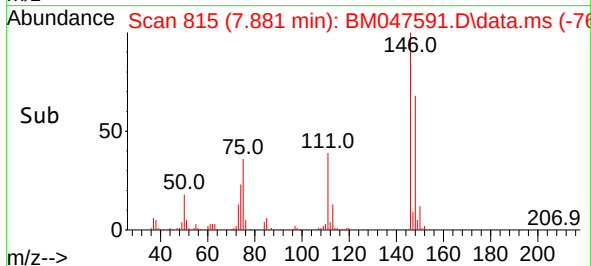
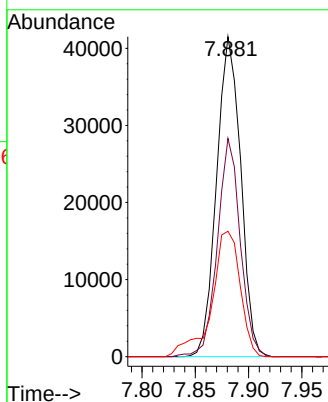
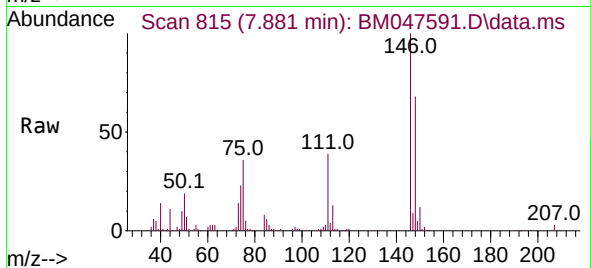
#13
1,4-Dichlorobenzene
Concen: 3.160 ng
RT: 7.881 min Scan# 815
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:146 Resp: 65249
Ion Ratio Lower Upper
146 100
148 68.2 49.8 74.6
111 39.2 33.3 49.9

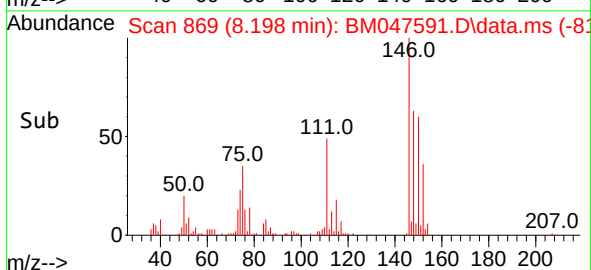
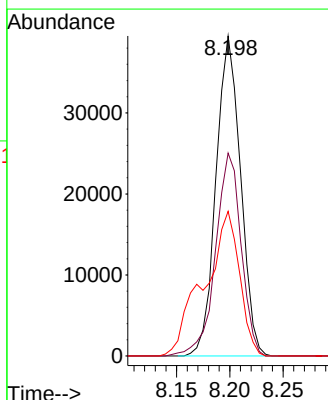
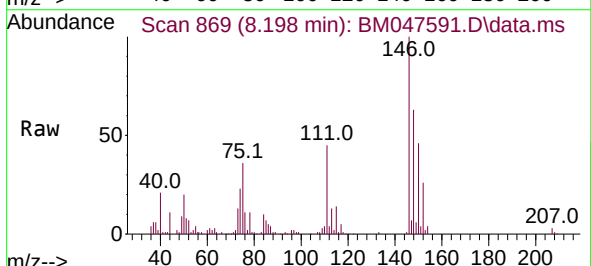
Manual Integrations
APPROVED

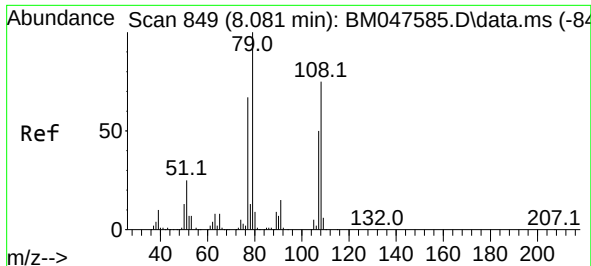
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#14
1,2-Dichlorobenzene
Concen: 3.171 ng
RT: 8.198 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

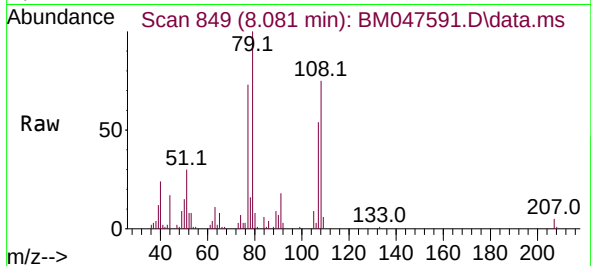
Tgt Ion:146 Resp: 63127
Ion Ratio Lower Upper
146 100
148 63.4 49.7 74.5
111 45.2 34.8 52.2





#15
Benzyl Alcohol
Concen: 3.000 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

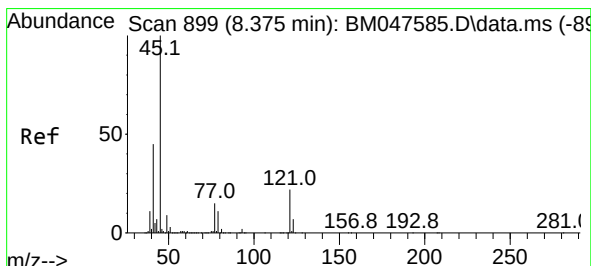
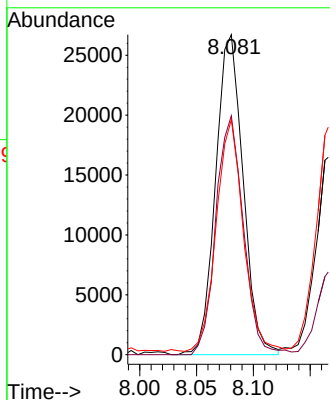
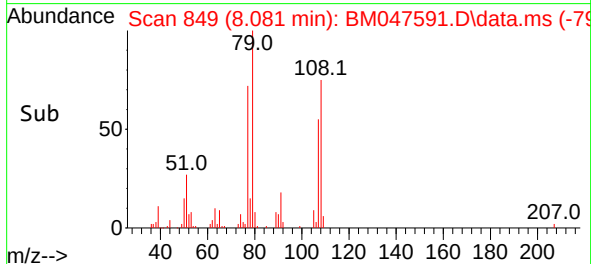
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



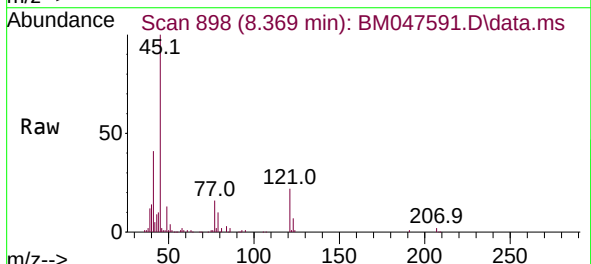
Tgt Ion: 79 Resp: 4496
Ion Ratio Lower Upper
79 100
108 74.7 60.2 90.2
77 73.5 53.9 80.9

Manual Integrations
APPROVED

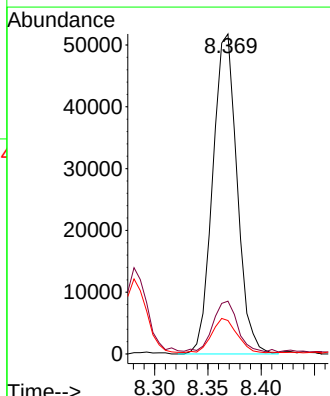
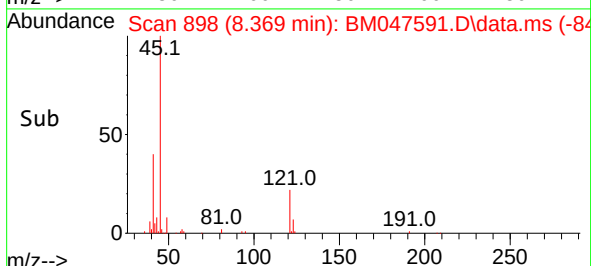
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

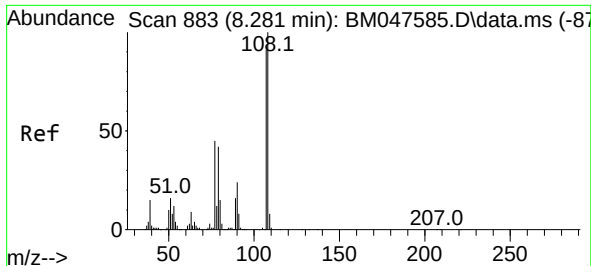


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.489 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



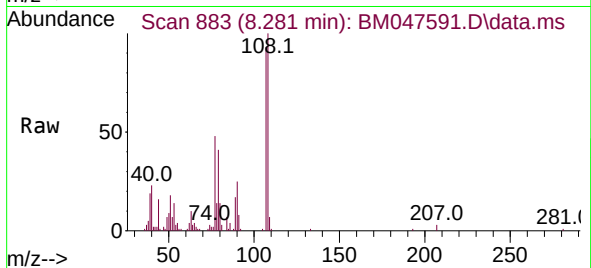
Tgt Ion: 45 Resp: 82437
Ion Ratio Lower Upper
45 100
77 16.5 0.0 35.5
79 10.4 0.0 31.6





#17
2-Methylphenol
Concen: 2.879 ng
RT: 8.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

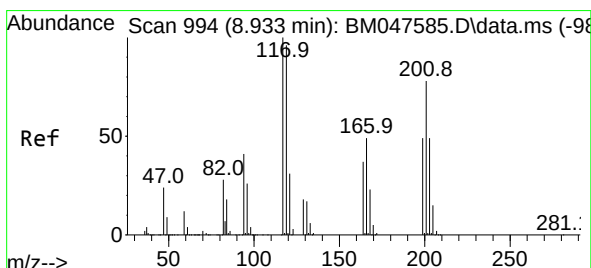
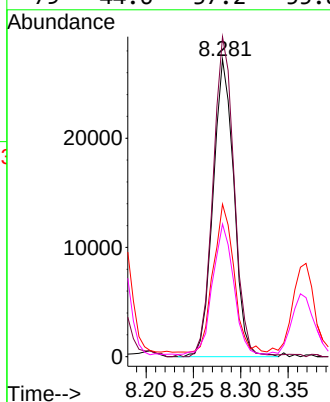
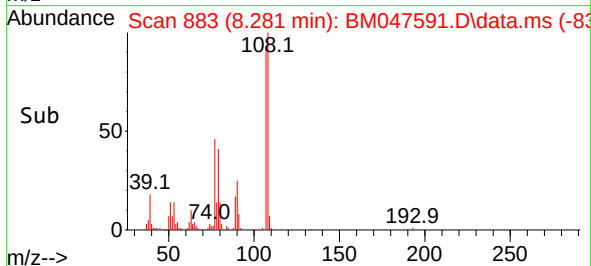
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:	107	Resp:	41729
Ion	Ratio	Lower	Upper
107	100		
108	107.6	87.8	131.6
77	51.3	39.6	59.4
79	44.6	37.2	55.8

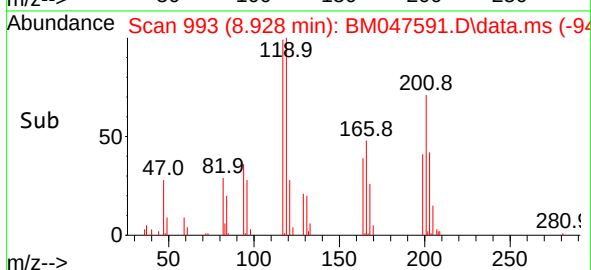
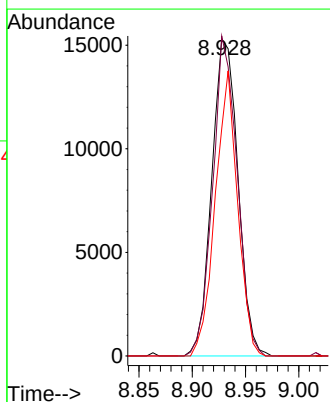
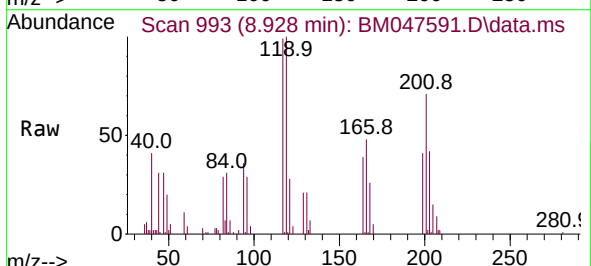
Manual Integrations
APPROVED

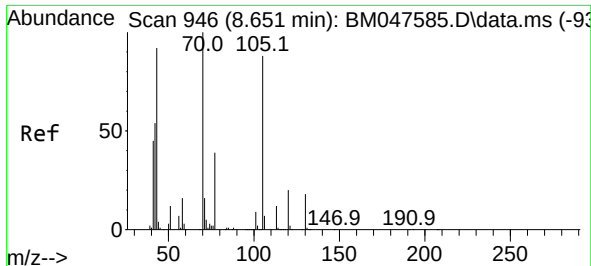
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#18
Hexachloroethane
Concen: 3.120 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

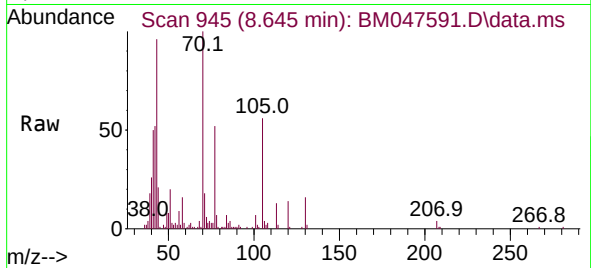
Tgt Ion:	117	Resp:	26129
Ion	Ratio	Lower	Upper
117	100		
119	100.9	77.2	115.8
201	71.7	62.3	93.5





#19
n-Nitroso-di-n-propylamine
Concen: 2.886 ng
RT: 8.645 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

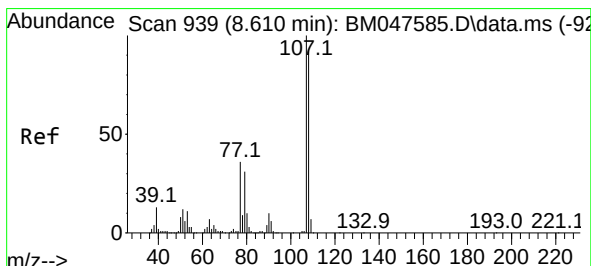
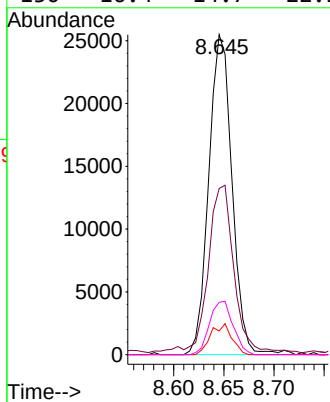
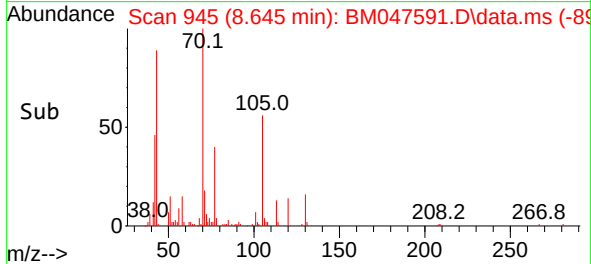
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 70 Resp: 4106
Ion Ratio Lower Upper
70 100
42 51.9 44.2 66.2
101 7.4 7.0 10.4
130 16.4 14.7 22.1

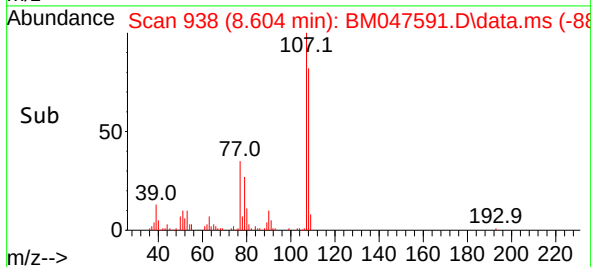
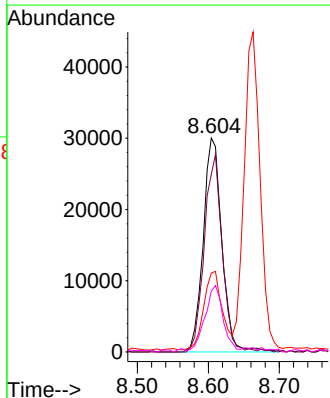
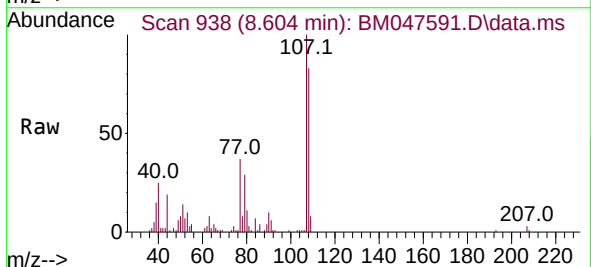
Manual Integrations
APPROVED

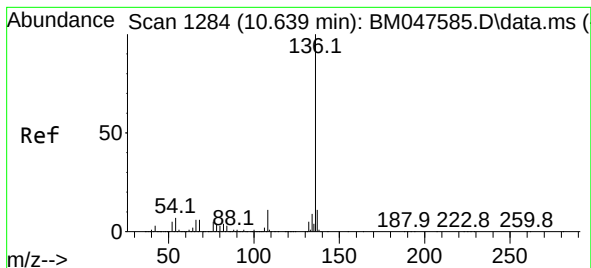
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#20
3+4-Methylphenols
Concen: 2.785 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

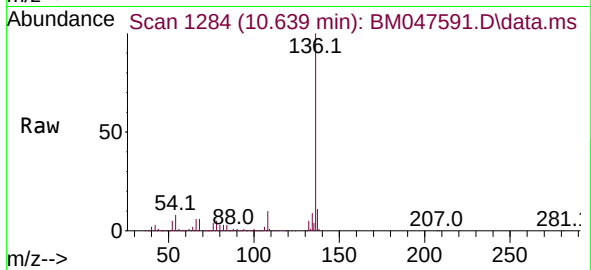
Tgt Ion:107 Resp: 54979
Ion Ratio Lower Upper
107 100
108 83.1 71.8 111.8
77 36.8 16.1 56.1
79 28.5 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

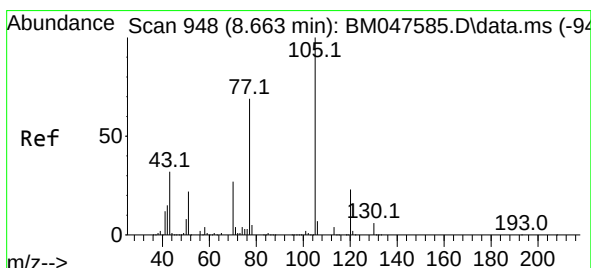
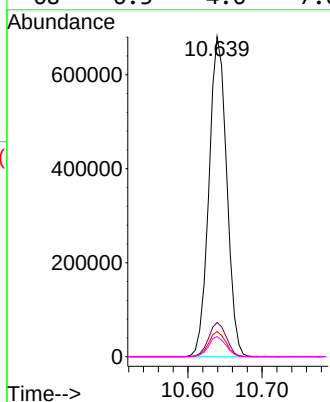
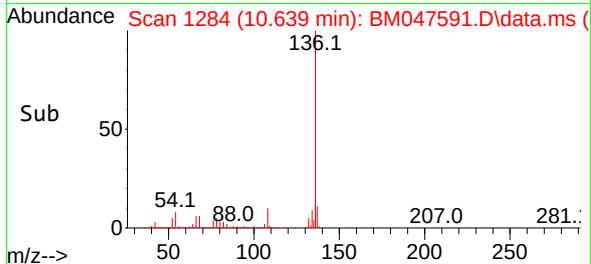
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:136 Resp: 1132660
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.9 6.0 9.0
68 6.3 4.6 7.0

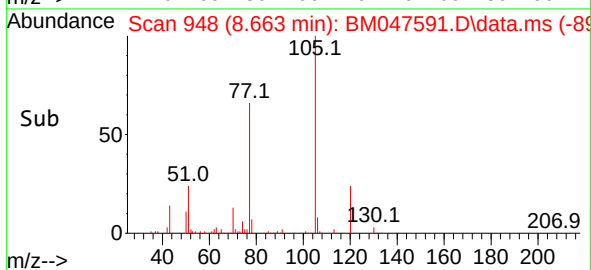
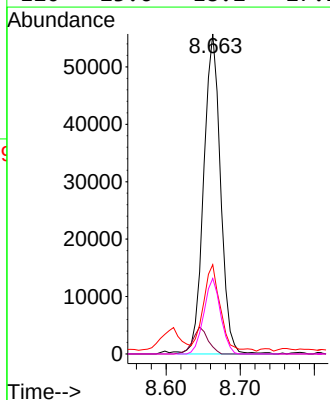
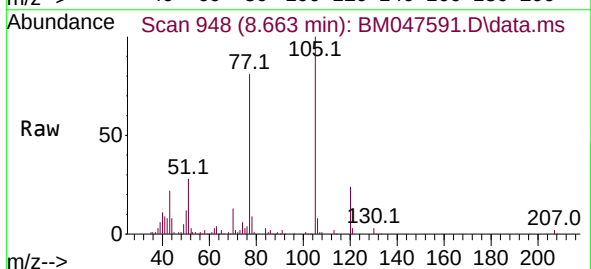
Manual Integrations
APPROVED

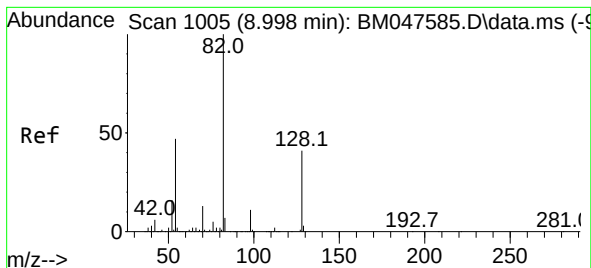
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#22
Acetophenone
Concen: 2.976 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:105 Resp: 87811
Ion Ratio Lower Upper
105 100
71 2.3 3.4 5.2#
51 27.9 21.4 32.2
120 23.6 18.2 27.2





#23

Nitrobenzene-d5

Concen: 64.810 ng

RT: 8.998 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BM047591.D

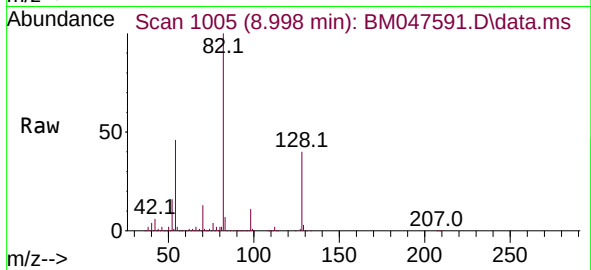
Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion: 82 Resp: 1474619

Ion Ratio Lower Upper

82 100

128 40.4 32.5 48.7

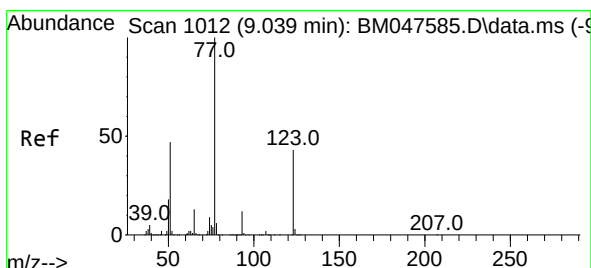
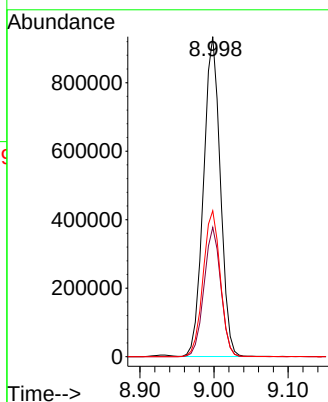
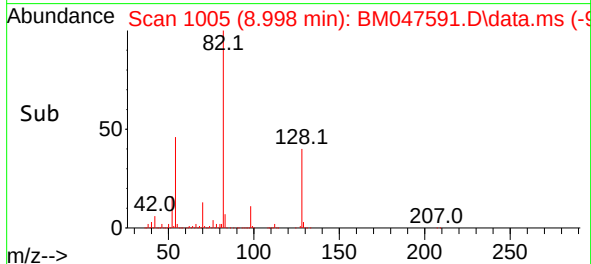
54 45.6 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#24

Nitrobenzene

Concen: 3.064 ng

RT: 9.039 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

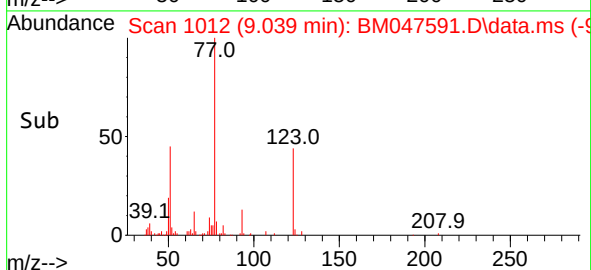
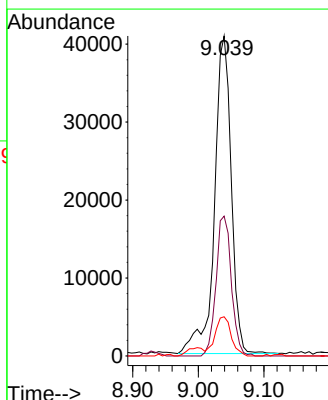
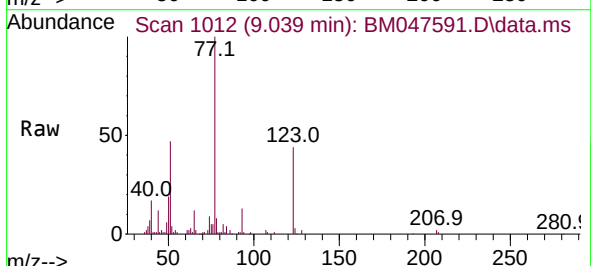
Tgt Ion: 77 Resp: 72005

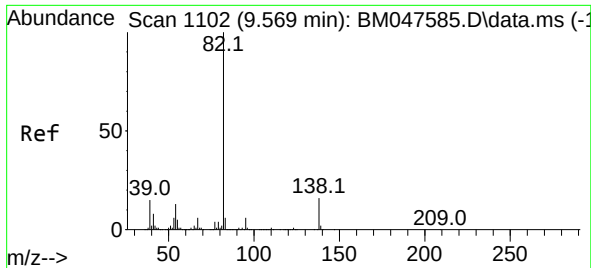
Ion Ratio Lower Upper

77 100

123 43.7 34.1 51.1

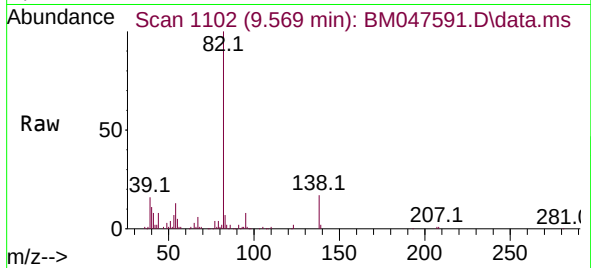
65 12.3 10.7 16.1





#25
Isophorone
Concen: 2.724 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

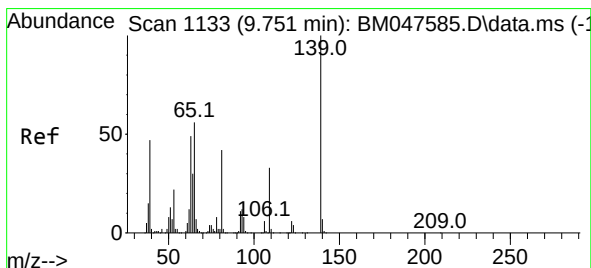
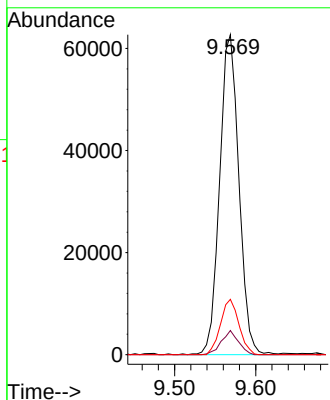
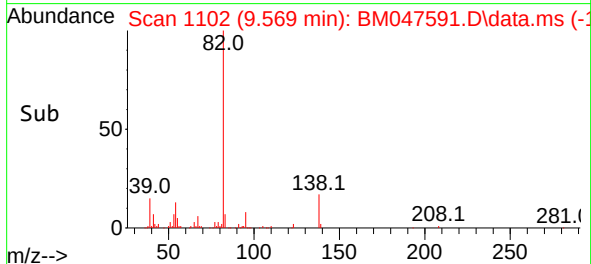
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 82 Resp: 103569
Ion Ratio Lower Upper
82 100
95 7.5 5.0 7.6
138 17.3 12.9 19.3

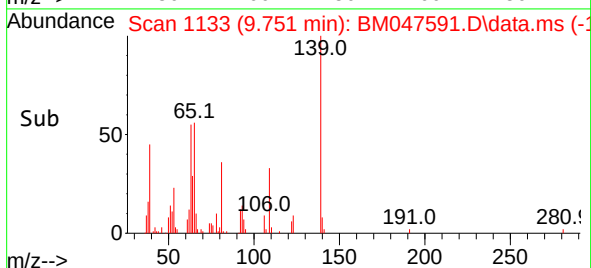
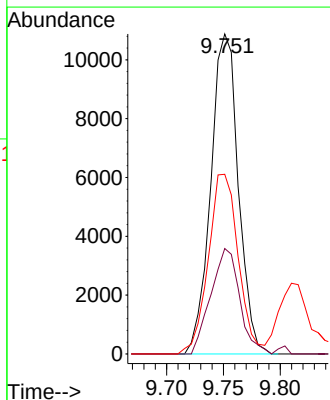
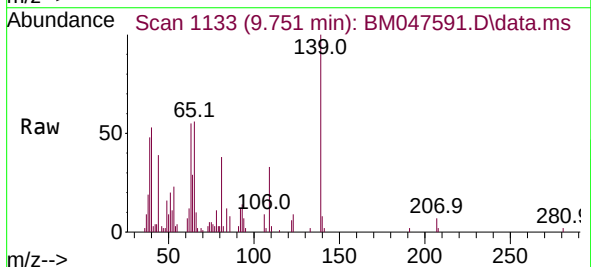
Manual Integrations
APPROVED

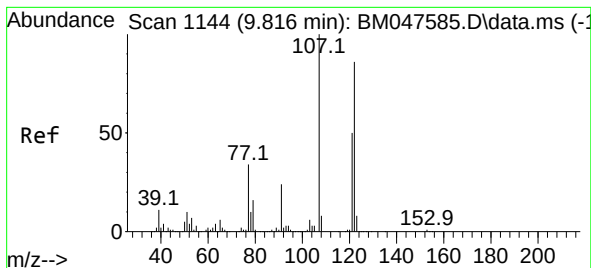
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#26
2-Nitrophenol
Concen: 2.227 ng
RT: 9.751 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

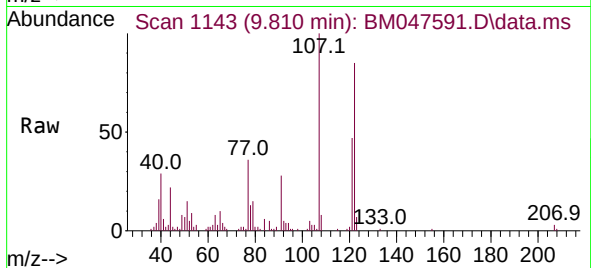
Tgt Ion:139 Resp: 18400
Ion Ratio Lower Upper
139 100
109 33.0 26.1 39.1
65 56.2 44.7 67.1





#27
2,4-Dimethylphenol
Concen: 2.860 ng
RT: 9.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

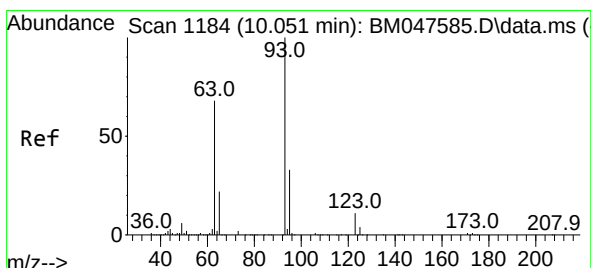
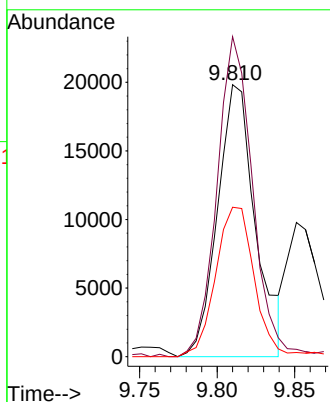
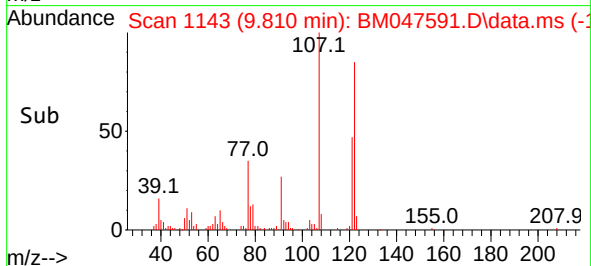
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:122 Resp: 33680
Ion Ratio Lower Upper
122 100
107 117.7 92.2 138.2
121 54.9 45.8 68.6

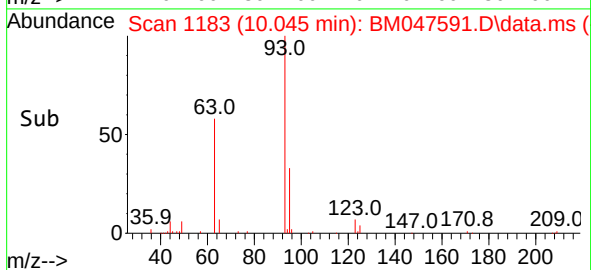
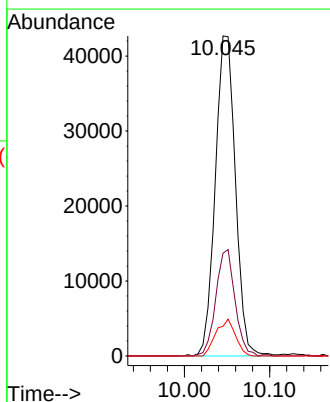
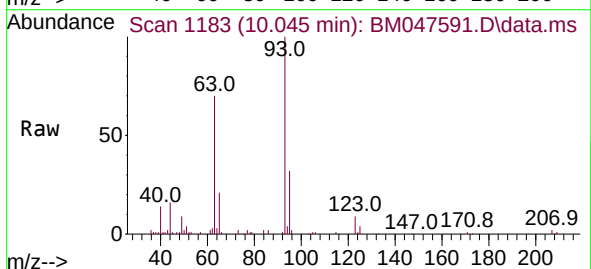
Manual Integrations
APPROVED

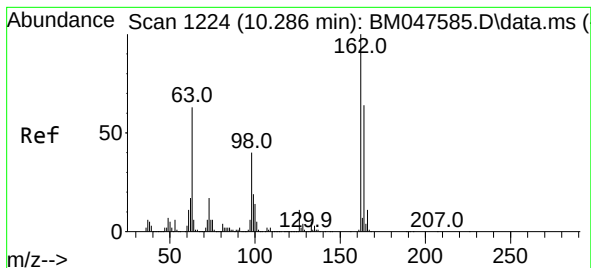
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 2.866 ng
RT: 10.045 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

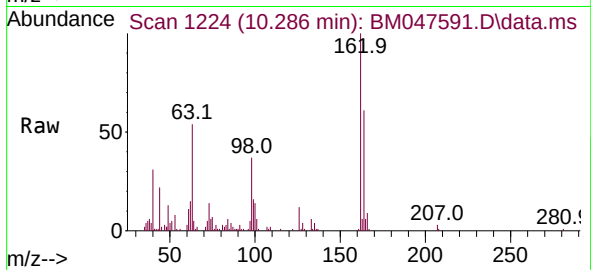
Tgt Ion: 93 Resp: 70109
Ion Ratio Lower Upper
93 100
95 32.1 26.2 39.4
123 9.3 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 2.456 ng
RT: 10.286 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

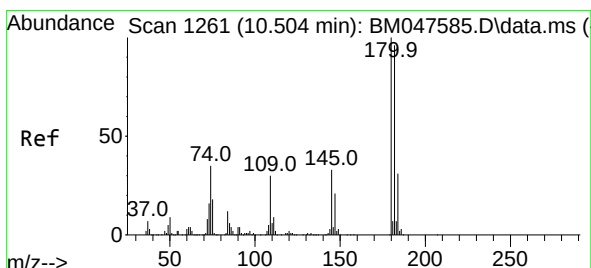
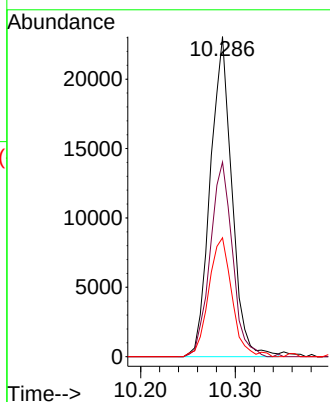
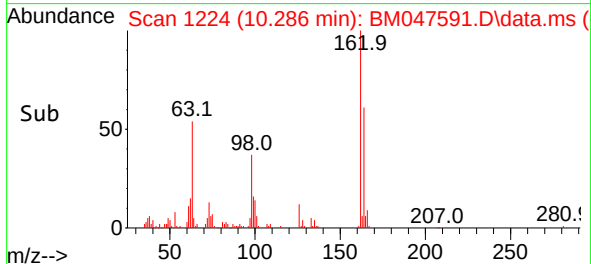
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:162 Resp: 36560
Ion Ratio Lower Upper
162 100
164 60.8 43.9 83.9
98 37.1 20.3 60.3

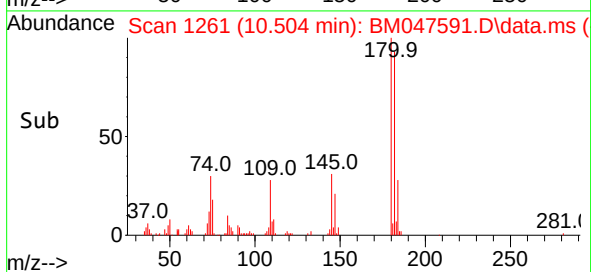
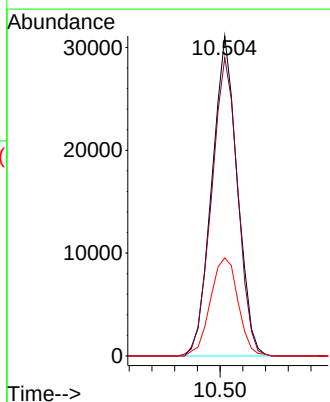
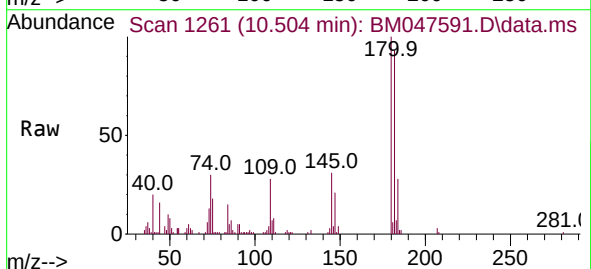
Manual Integrations
APPROVED

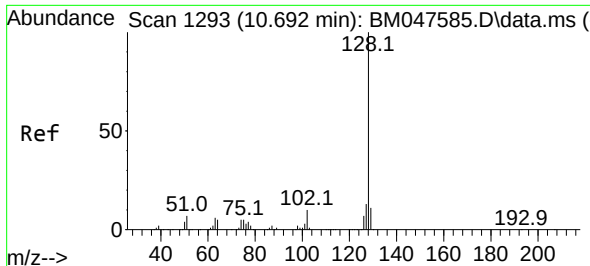
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 2.848 ng
RT: 10.504 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

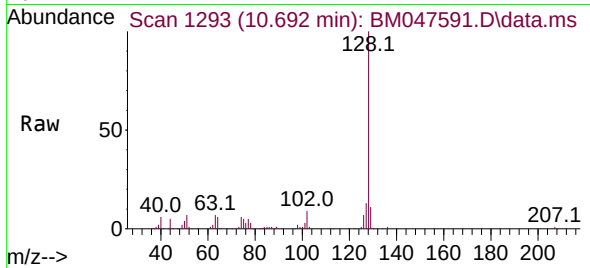
Tgt Ion:180 Resp: 48327
Ion Ratio Lower Upper
180 100
182 93.2 76.6 115.0
145 30.7 26.2 39.2





#31
Naphthalene
Concen: 2.844 ng
RT: 10.692 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

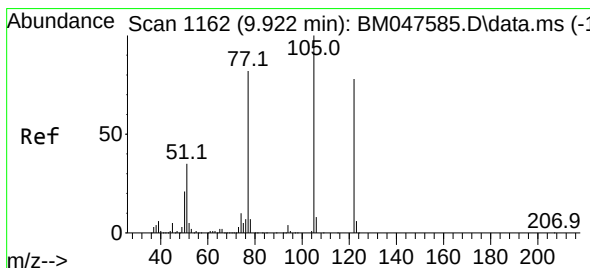
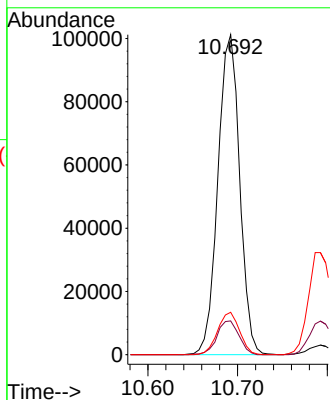
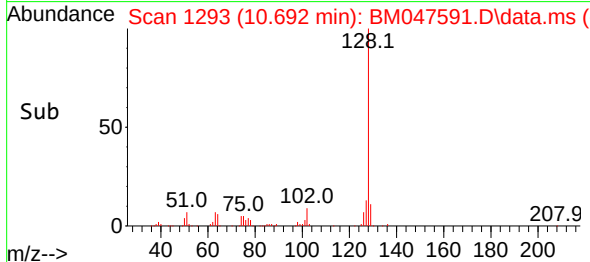
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:128 Resp: 170440
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.2 10.3 15.5

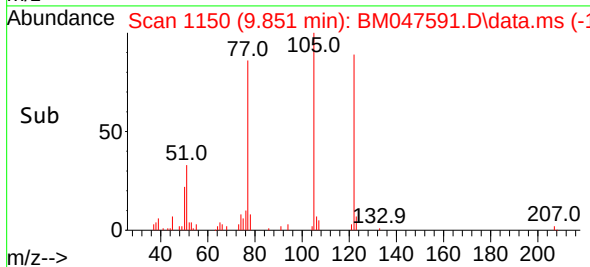
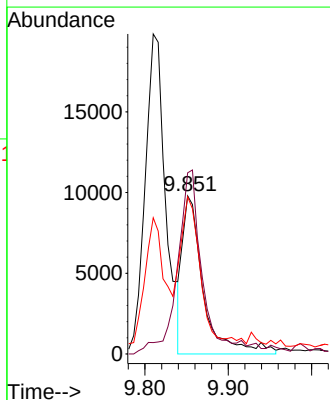
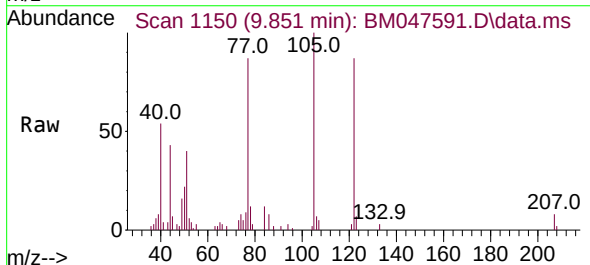
Manual Integrations
APPROVED

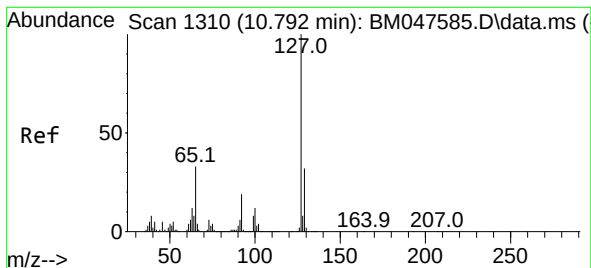
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#32
Benzoic acid
Concen: 1.565 ng m
RT: 9.851 min Scan# 1150
Delta R.T. -0.071 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

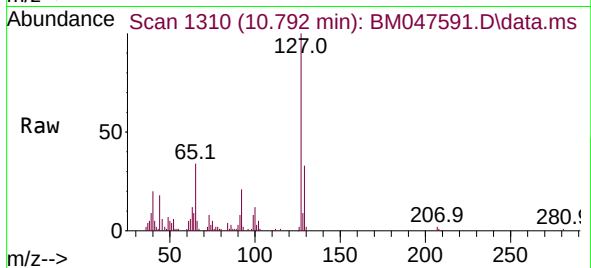
Tgt Ion:122 Resp: 17185
Ion Ratio Lower Upper
122 100
105 114.5 103.1 143.1
77 99.4 82.4 122.4





#33
4-Chloroaniline
Concen: 2.827 ng
RT: 10.792 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

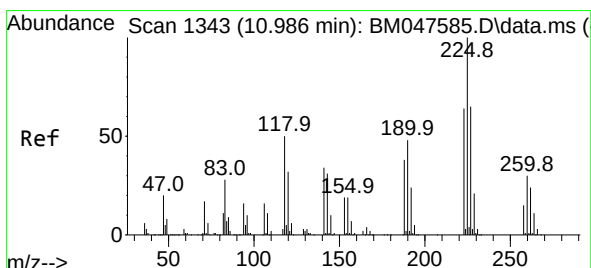
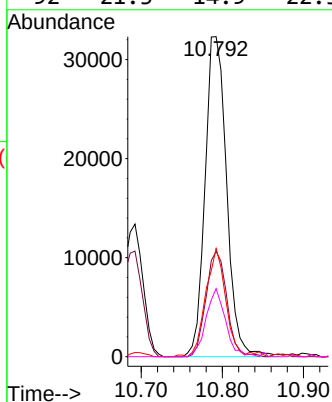
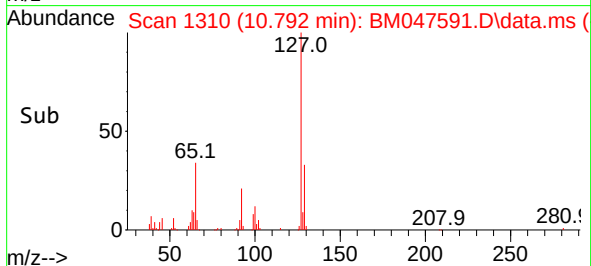
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.6	38.4
65	33.8	26.1	39.1
92	21.3	14.9	22.3

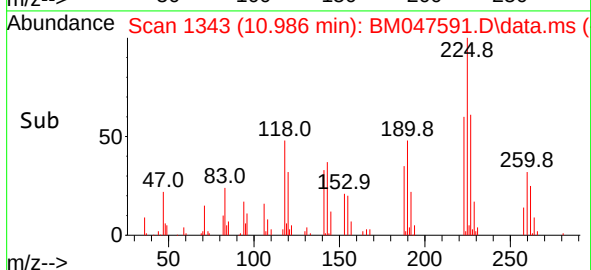
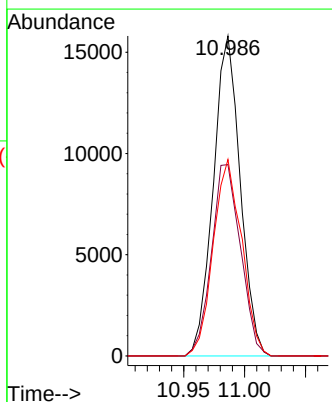
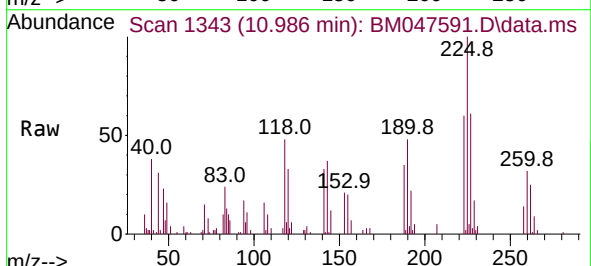
Manual Integrations
APPROVED

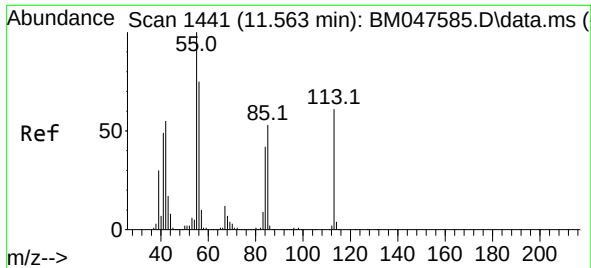
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#34
Hexachlorobutadiene
Concen: 2.635 ng
RT: 10.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

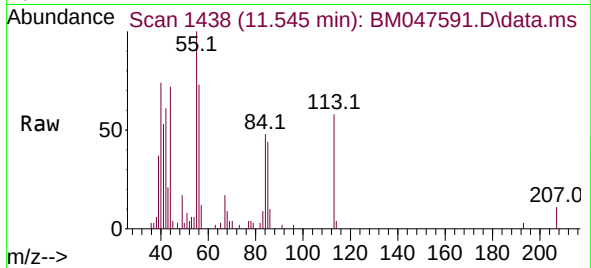
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	51.4	77.0
227	61.4	52.1	78.1





#35
Caprolactam
Concen: 1.892 ng
RT: 11.545 min Scan# 1441
Delta R.T. -0.018 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

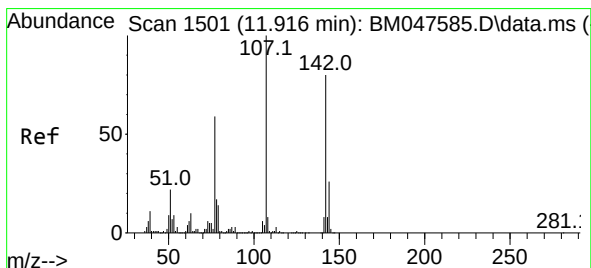
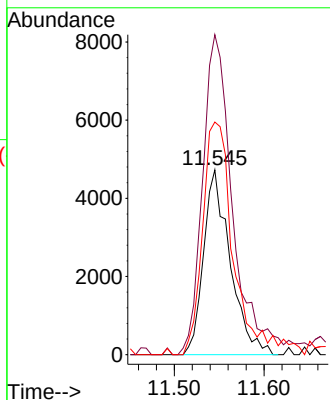
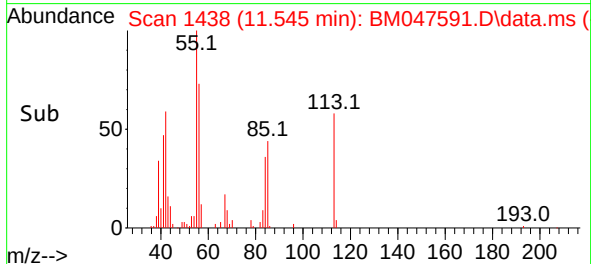
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



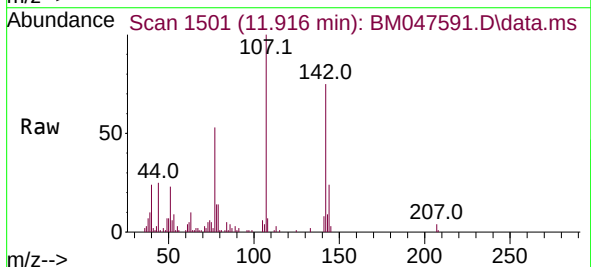
Tgt Ion:113 Resp: 9738
Ion Ratio Lower Upper
113 100
55 173.2 145.5 185.5
56 125.9 103.9 143.9

Manual Integrations
APPROVED

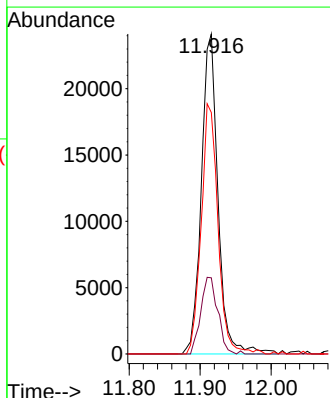
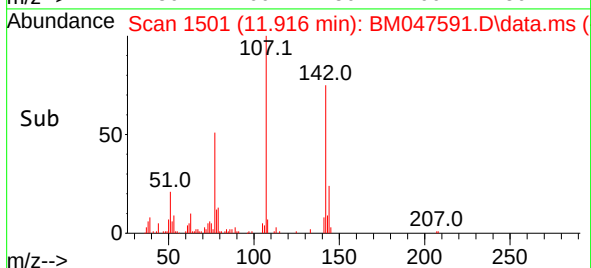
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

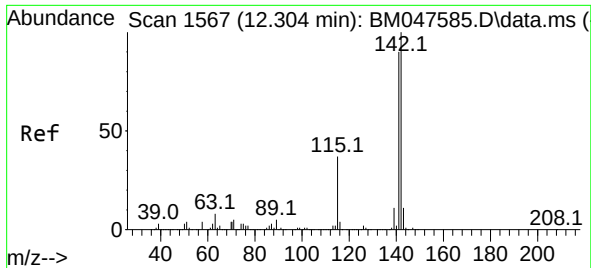


#36
4-Chloro-3-methylphenol
Concen: 2.320 ng
RT: 11.916 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



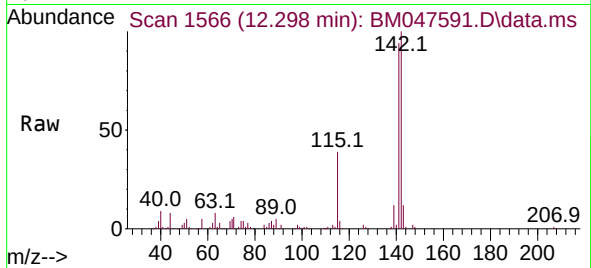
Tgt Ion:107 Resp: 39408
Ion Ratio Lower Upper
107 100
144 23.8 20.7 31.1
142 75.4 63.9 95.9





#37
2-Methylnaphthalene
Concen: 2.682 ng
RT: 12.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

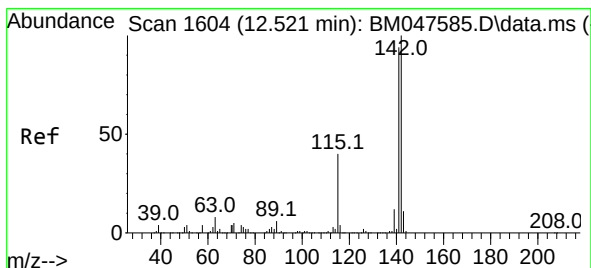
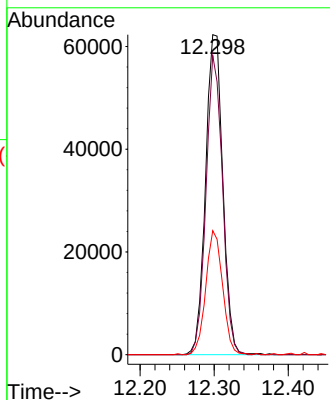
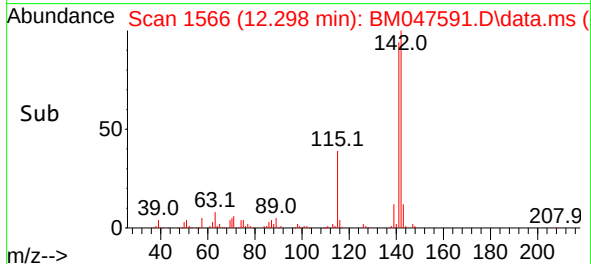
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



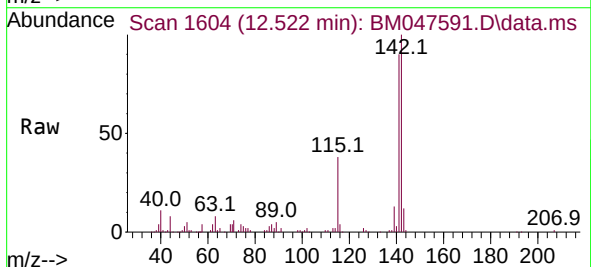
Tgt Ion:142 Resp: 100970
Ion Ratio Lower Upper
142 100
141 93.5 71.7 107.5
115 38.7 29.5 44.3

Manual Integrations
APPROVED

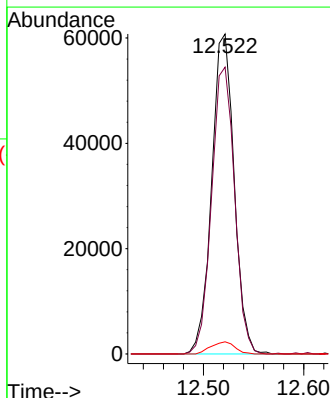
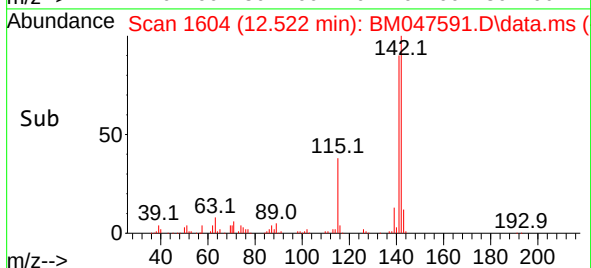
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

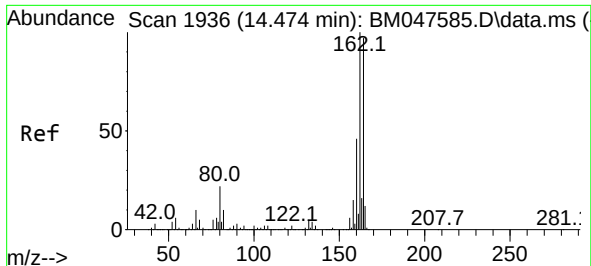


#38
1-Methylnaphthalene
Concen: 2.533 ng
RT: 12.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



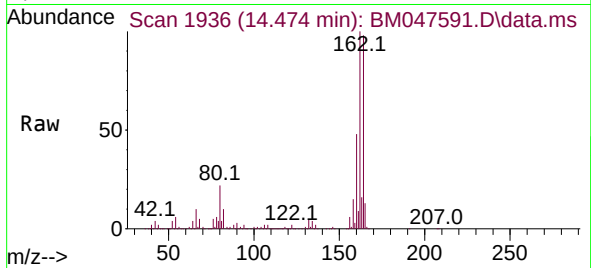
Tgt Ion:142 Resp: 94621
Ion Ratio Lower Upper
142 100
141 89.6 75.3 112.9
116 3.8 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

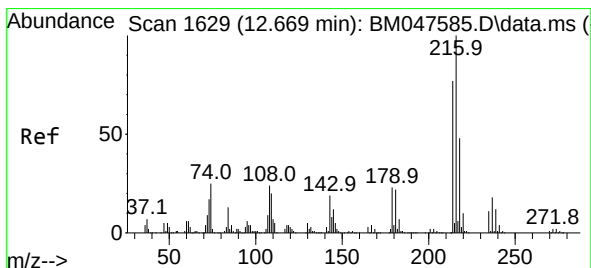
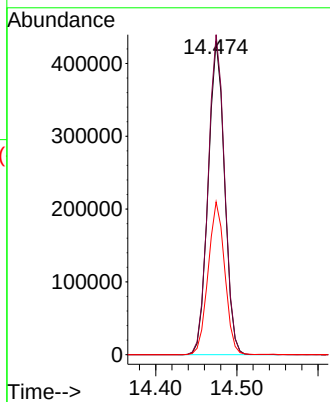
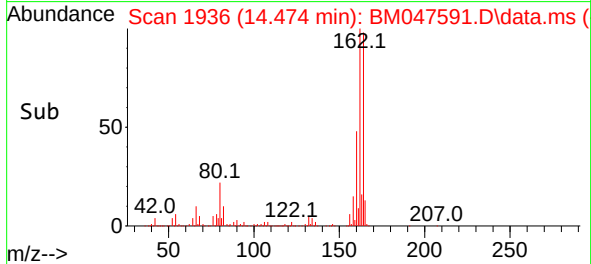
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



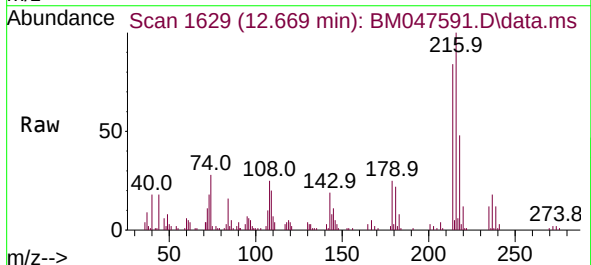
Tgt Ion:164 Resp: 60228
Ion Ratio Lower Upper
164 100
162 102.1 82.6 123.8
160 48.8 37.8 56.6

Manual Integrations
APPROVED

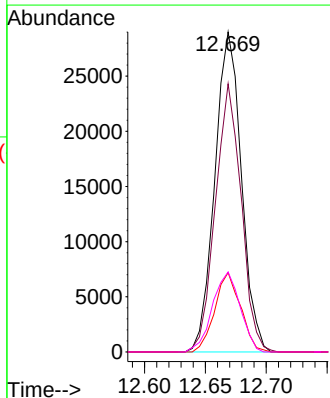
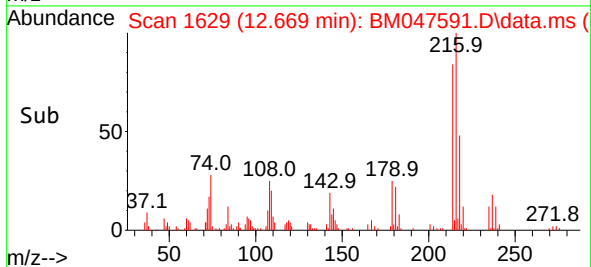
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

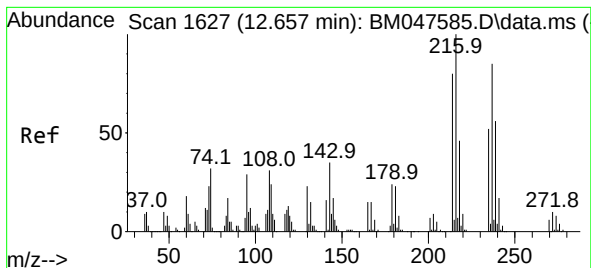


#40
1,2,4,5-Tetrachlorobenzene
Concen: 2.771 ng
RT: 12.669 min Scan# 1629
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



Tgt Ion:216 Resp: 44050
Ion Ratio Lower Upper
216 100
214 81.3 62.8 94.2
179 24.0 18.5 27.7
108 26.1 19.8 29.8





#41

Hexachlorocyclopentadiene

Concen: 3.251 ng

RT: 12.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

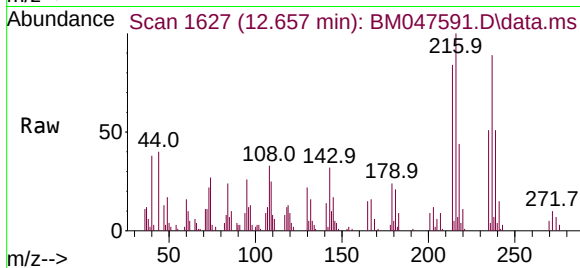
Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



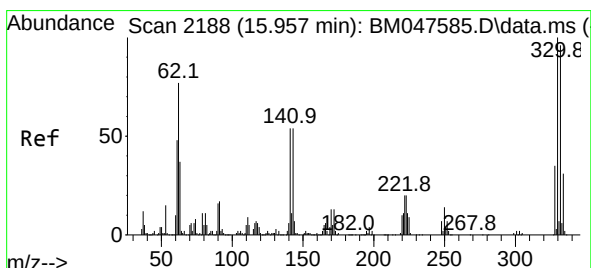
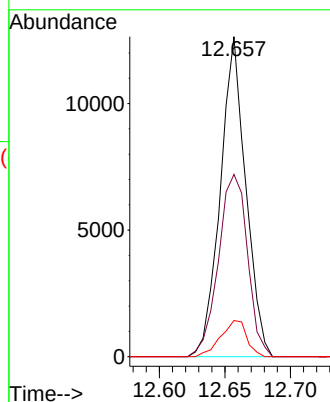
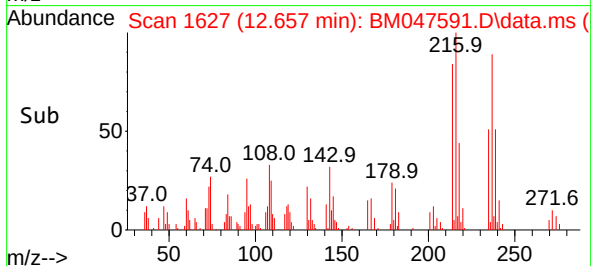
Tgt Ion:	237	Resp:	17058
Ion Ratio	Lower	Upper	
237	100		
235	56.9	41.2	81.2
272	11.3	0.0	32.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#42

2,4,6-Tribromophenol

Concen: 90.361 ng

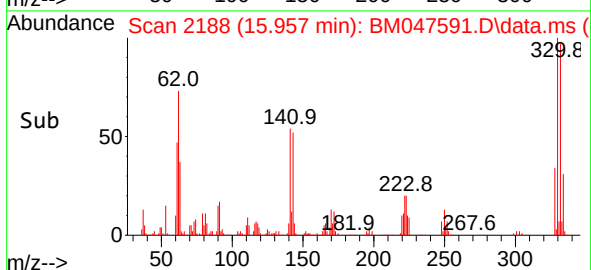
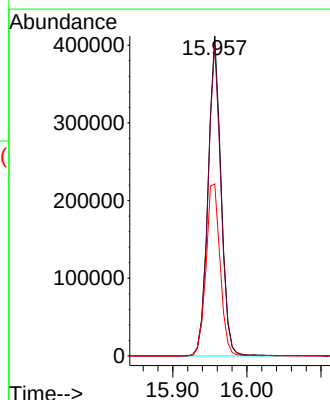
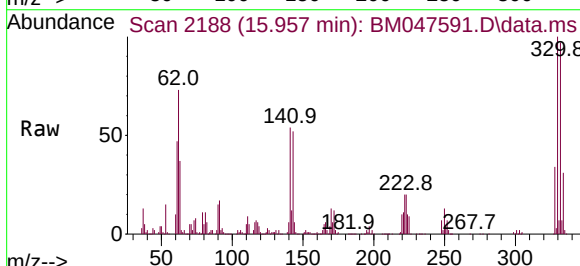
RT: 15.957 min Scan# 2188

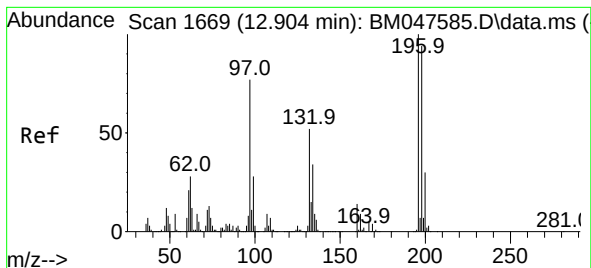
Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:	330	Resp:	503944
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.0	115.4
141	58.6	45.9	68.9





#43

2,4,6-Trichlorophenol

Concen: 2.205 ng

RT: 12.904 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047591.D

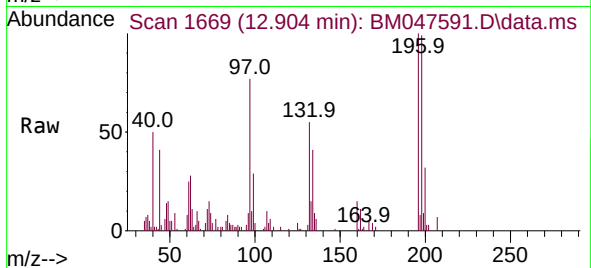
Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



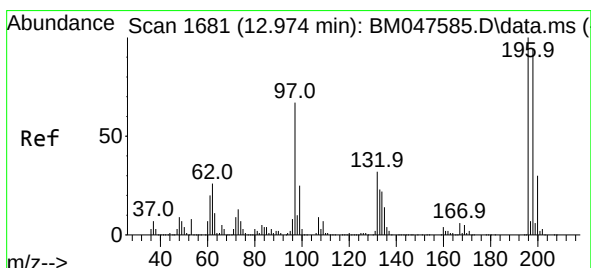
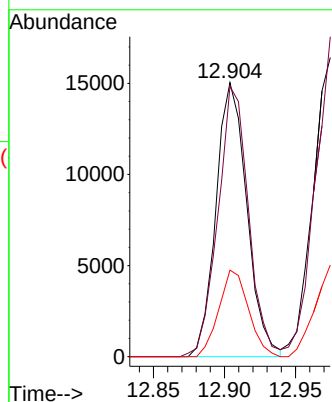
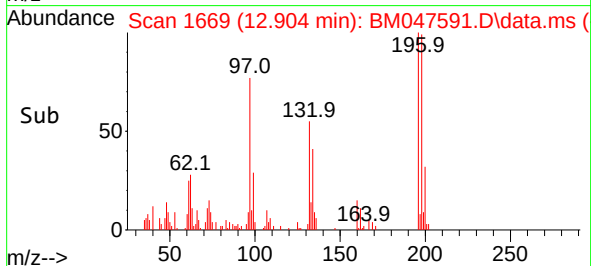
Tgt Ion:	196	Resp:	2277
Ion Ratio	Lower	Upper	
196	100		
198	98.6	75.5	113.3
200	31.6	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#44

2,4,5-Trichlorophenol

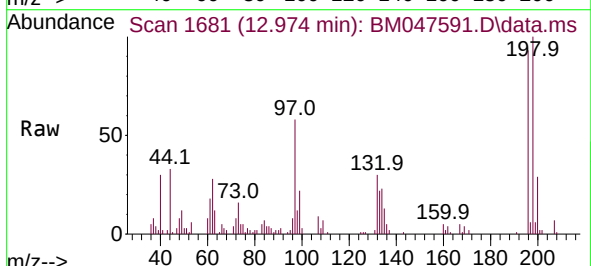
Concen: 2.206 ng

RT: 12.974 min Scan# 1681

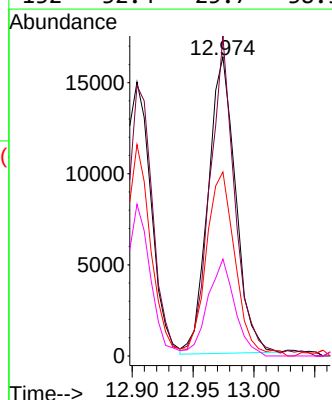
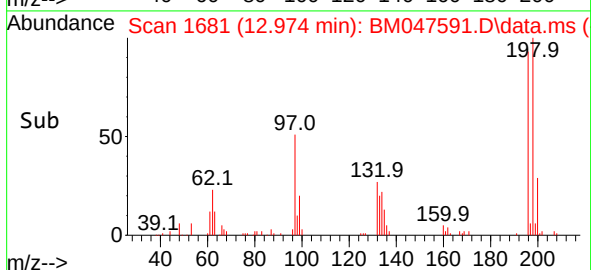
Delta R.T. 0.000 min

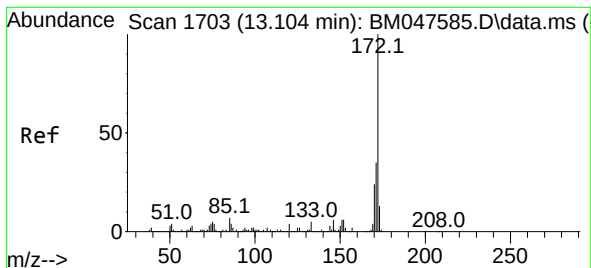
Lab File: BM047591.D

Acq: 20 Sep 2024 16:21



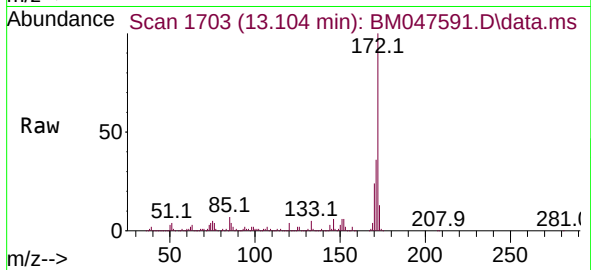
Tgt Ion:	196	Resp:	25616
Ion Ratio	Lower	Upper	
196	100		
198	107.0	75.5	113.3
97	61.5	53.5	80.3
132	32.4	25.7	38.5





#45
2-Fluorobiphenyl
Concen: 63.362 ng
RT: 13.104 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

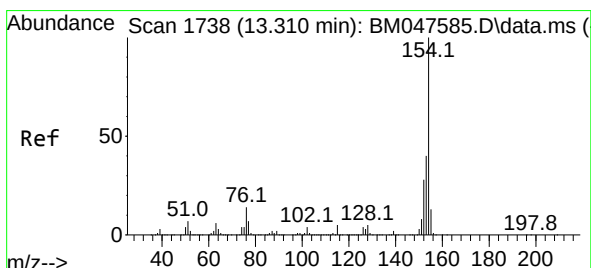
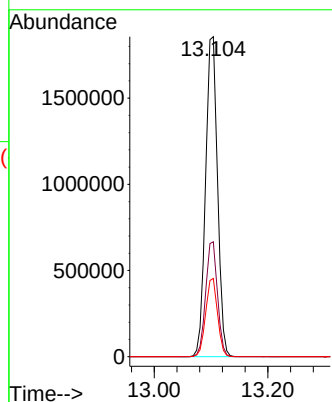
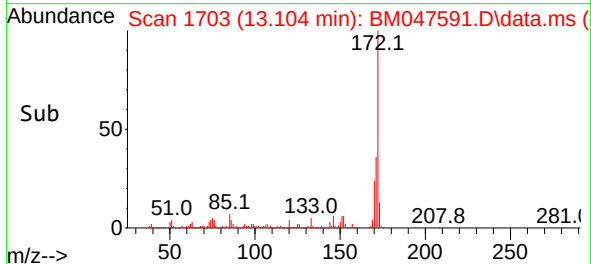
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



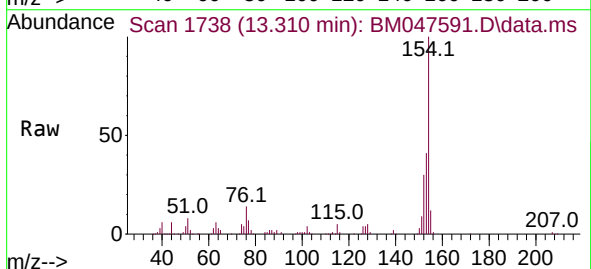
Tgt Ion:172 Resp: 2697029
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 24.4 19.0 28.6

Manual Integrations
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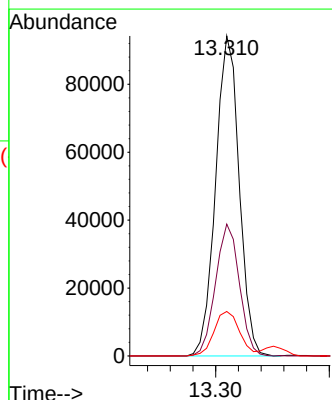
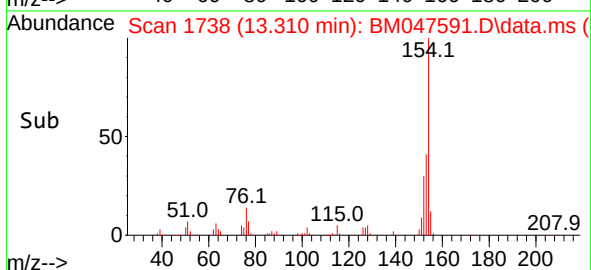
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

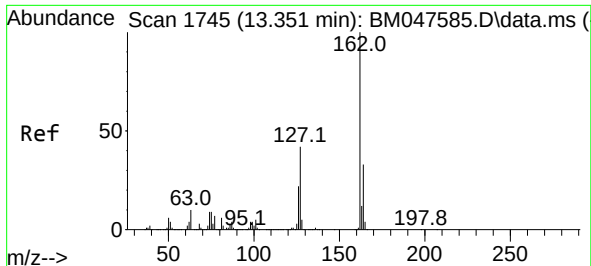


#46
1,1'-Biphenyl
Concen: 2.919 ng
RT: 13.310 min Scan# 1738
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



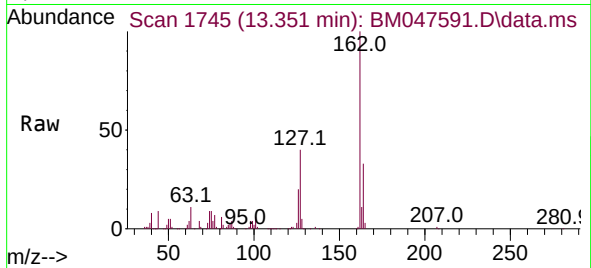
Tgt Ion:154 Resp: 135773
Ion Ratio Lower Upper
154 100
153 41.2 19.9 59.9
76 13.9 0.0 34.5





#47
2-Chloronaphthalene
Concen: 2.752 ng
RT: 13.351 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

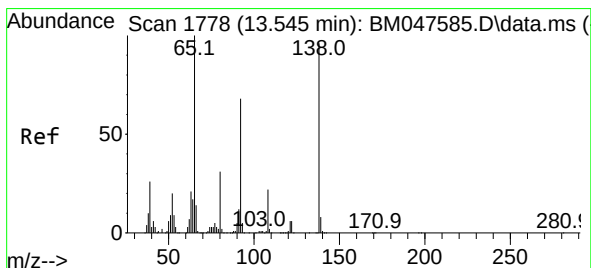
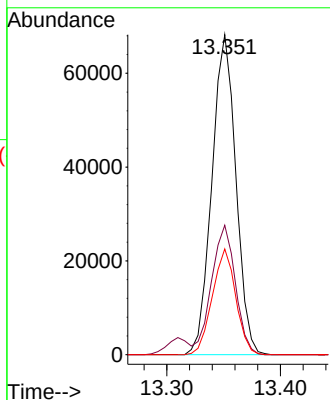
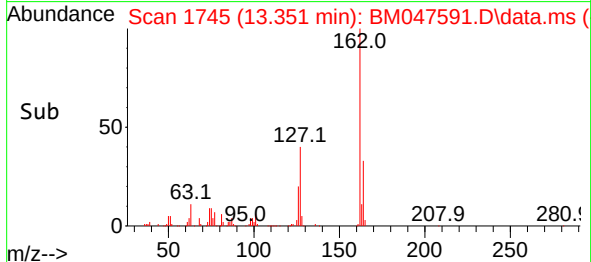
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



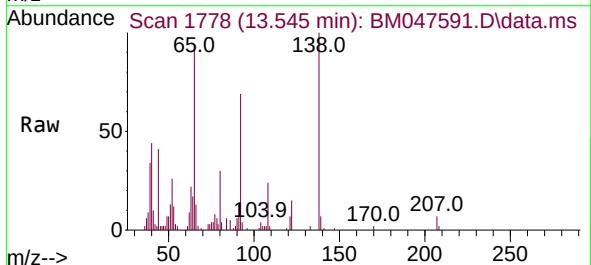
Tgt Ion:162 Resp: 10014
Ion Ratio Lower Upper
162 100
127 40.5 33.8 50.6
164 33.1 26.2 39.4

Manual Integrations
APPROVED

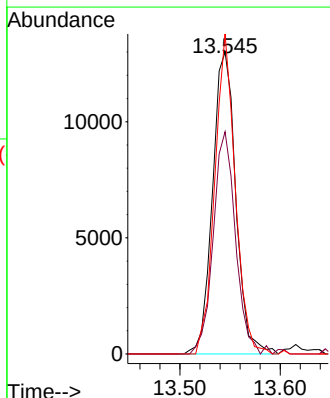
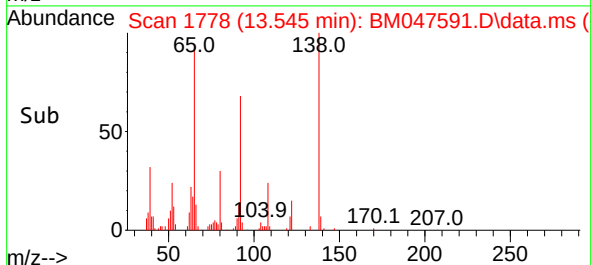
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

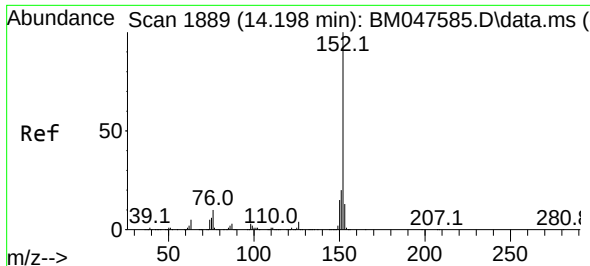


#48
2-Nitroaniline
Concen: 1.924 ng
RT: 13.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



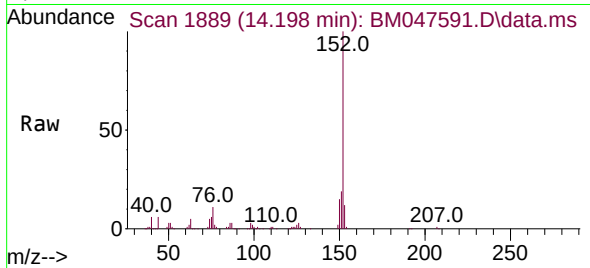
Tgt Ion: 65 Resp: 20917
Ion Ratio Lower Upper
65 100
92 73.6 54.2 81.4
138 106.0 76.6 114.8





#49
Acenaphthylene
Concen: 2.818 ng
RT: 14.198 min Scan# 1889
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

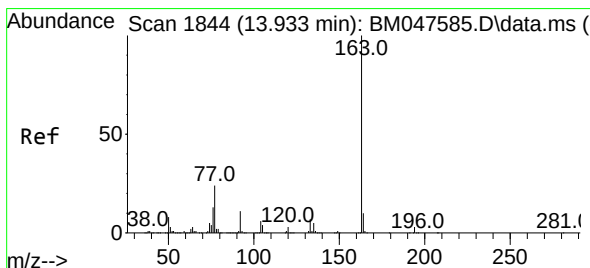
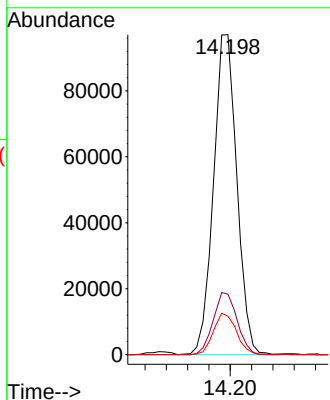
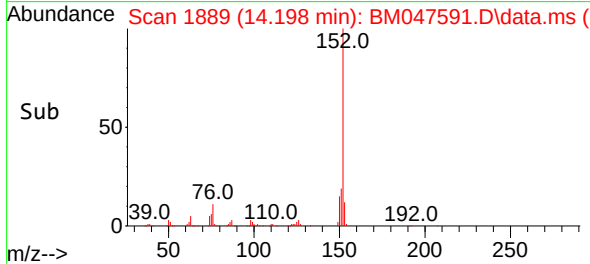
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:152 Resp: 147582
Ion Ratio Lower Upper
152 100
151 18.9 16.2 24.2
153 12.0 10.4 15.6

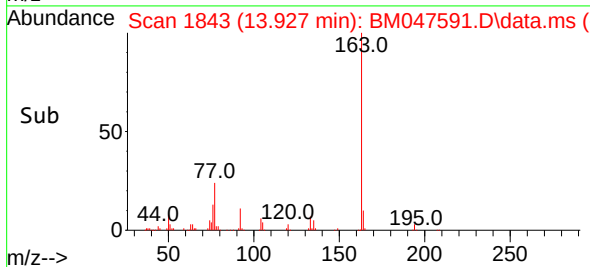
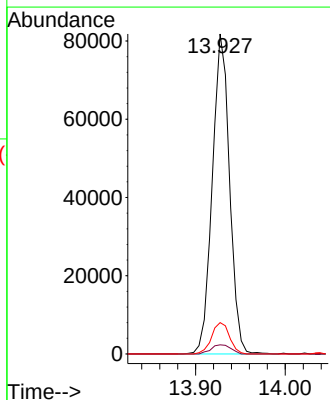
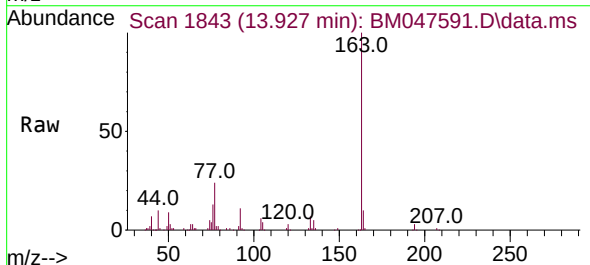
Manual Integrations
APPROVED

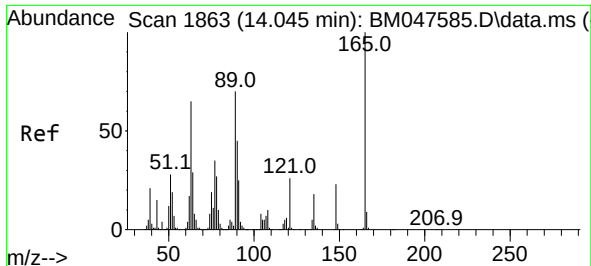
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#50
Dimethylphthalate
Concen: 2.626 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

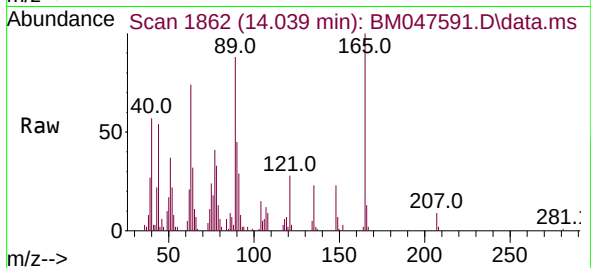
Tgt Ion:163 Resp: 109188
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 9.8 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 1.878 ng
RT: 14.039 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

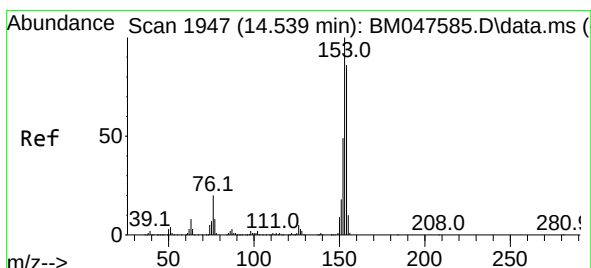
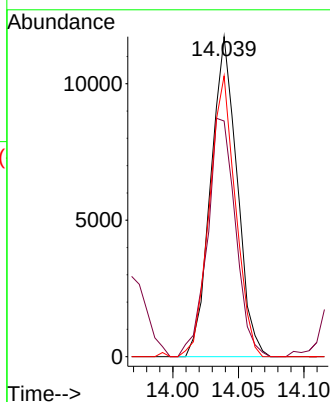
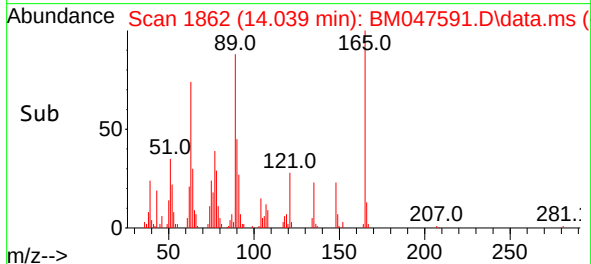
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



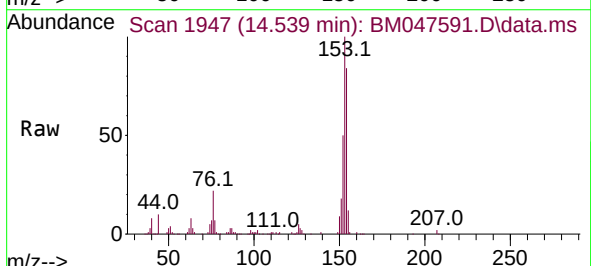
Tgt Ion:165 Resp: 16360
Ion Ratio Lower Upper
165 100
63 73.7 53.0 79.6
89 87.8 56.4 84.6

Manual Integrations
APPROVED

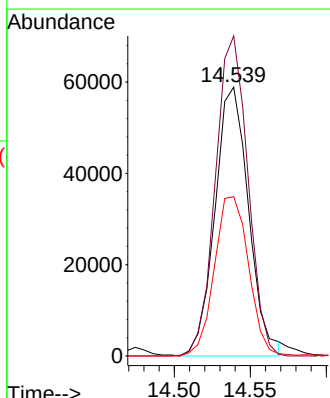
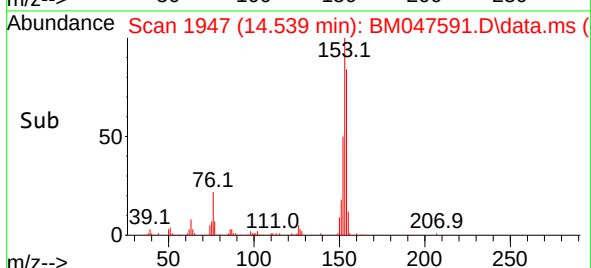
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

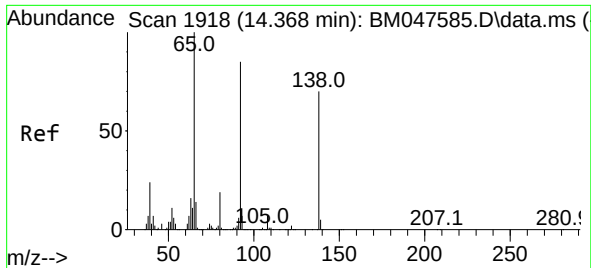


#52
Acenaphthene
Concen: 2.622 ng m
RT: 14.539 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



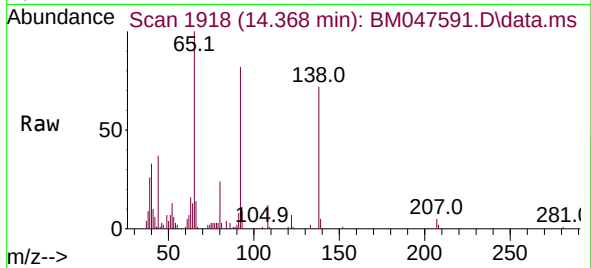
Tgt Ion:154 Resp: 90711
Ion Ratio Lower Upper
154 100
153 119.1 92.8 139.2
152 59.3 45.7 68.5





#53
3-Nitroaniline
Concen: 1.986 ng
RT: 14.368 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

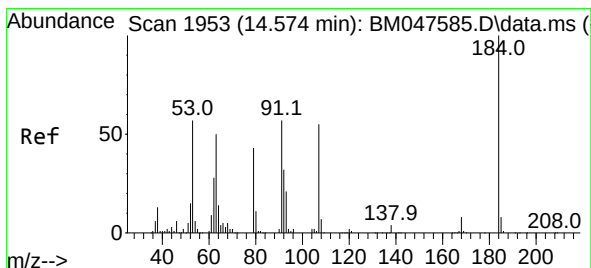
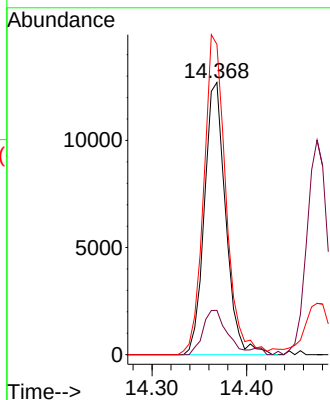
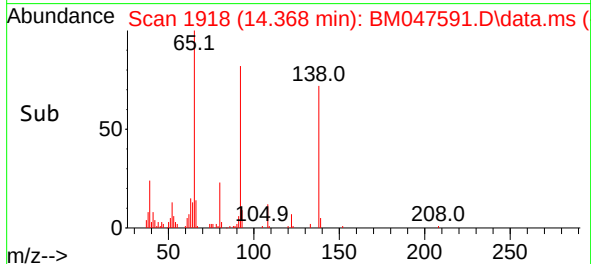
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:138 Resp: 1984
Ion Ratio Lower Upper
138 100
108 16.3 8.3 12.5
92 114.0 97.0 145.6

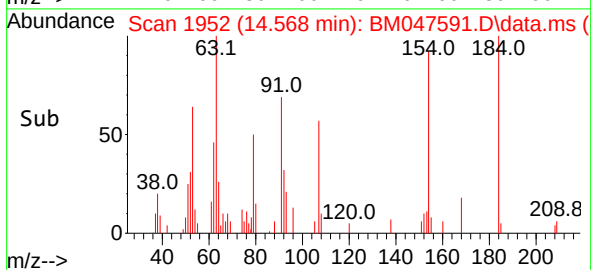
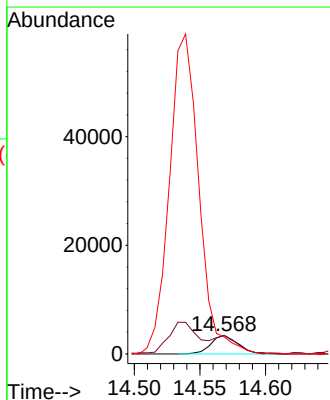
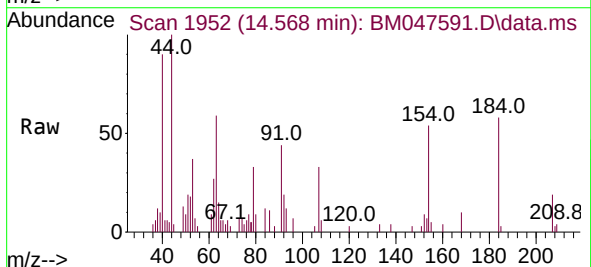
Manual Integrations
APPROVED

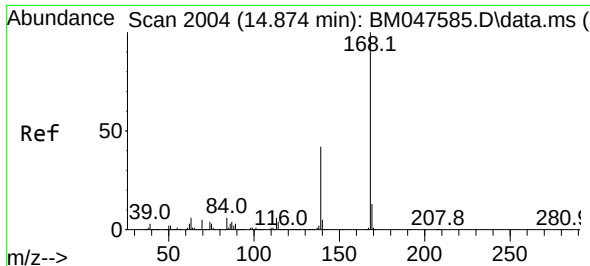
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#54
2,4-Dinitrophenol
Concen: 1.236 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

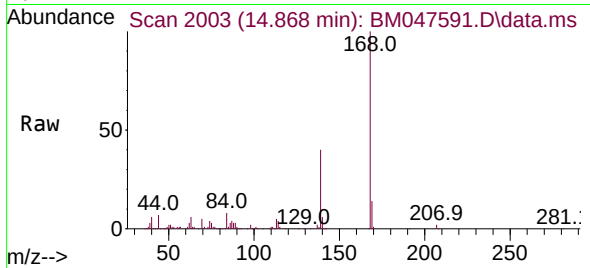
Tgt Ion:184 Resp: 4882
Ion Ratio Lower Upper
184 100
63 100.3 69.0 103.6
154 92.3 59.7 89.5#





#55
Dibenzenofuran
Concen: 2.729 ng
RT: 14.868 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

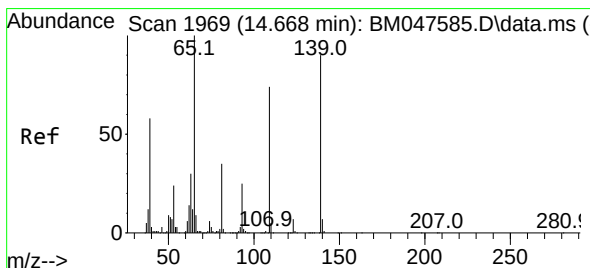
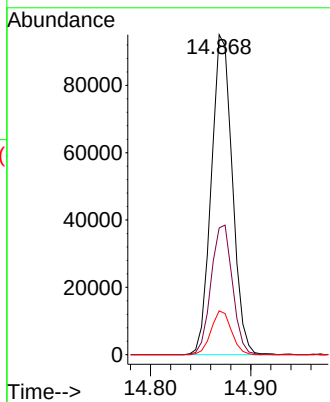
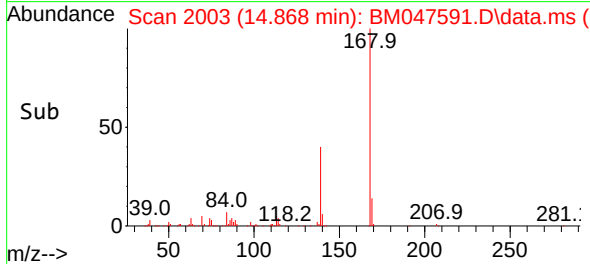
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:168 Resp: 137972
Ion Ratio Lower Upper
168 100
139 39.6 33.4 50.2
169 13.7 10.4 15.6

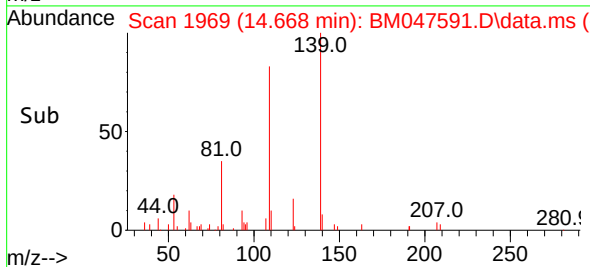
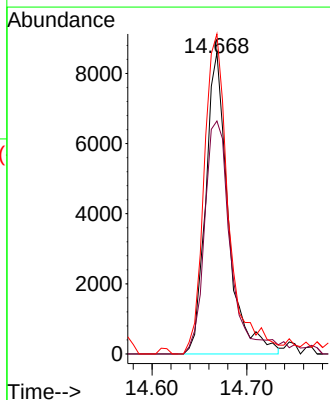
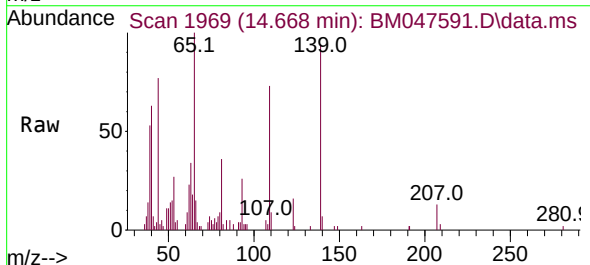
Manual Integrations
APPROVED

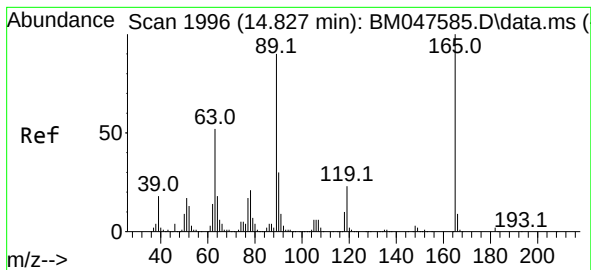
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#56
4-Nitrophenol
Concen: 1.663 ng
RT: 14.668 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Tgt Ion:139 Resp: 14239
Ion Ratio Lower Upper
139 100
109 77.3 63.1 103.1
65 106.2 91.8 131.8





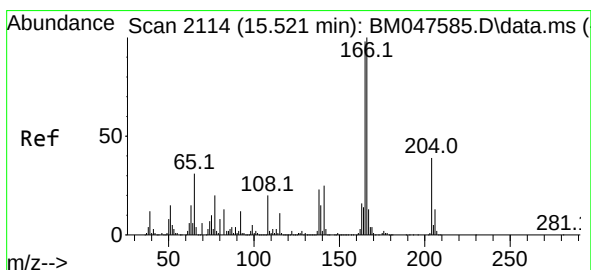
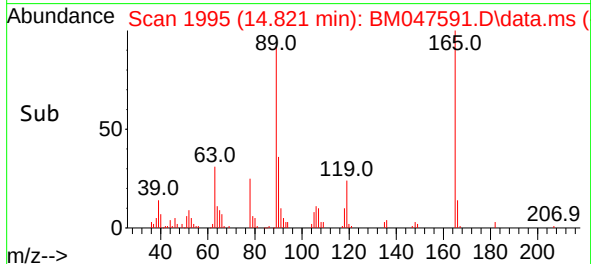
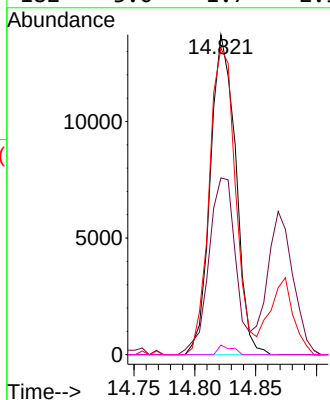
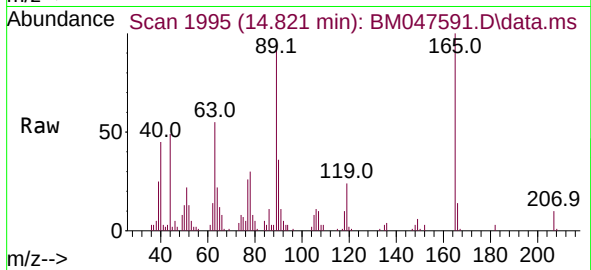
#57
2,4-Dinitrotoluene
Concen: 1.710 ng
RT: 14.821 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:165 Resp: 1985
Ion Ratio Lower Upper
165 100
63 55.2 41.6 62.4
89 95.7 71.7 107.5
182 3.0 1.7 2.5#

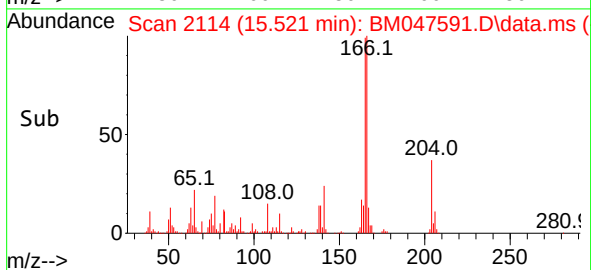
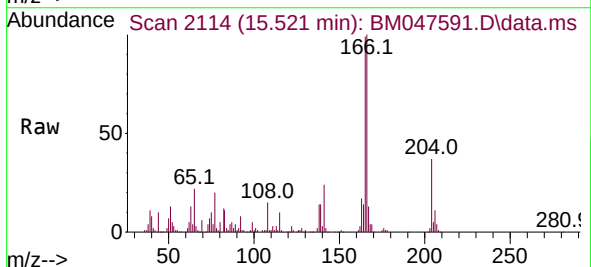
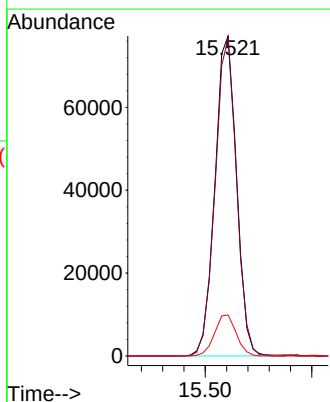
Manual Integrations
APPROVED

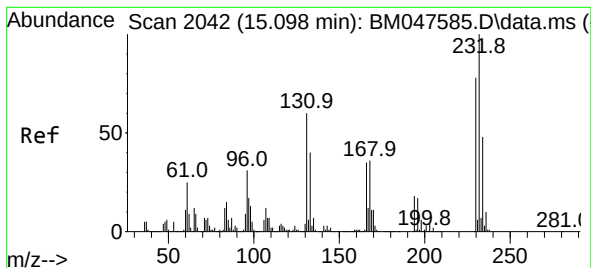
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#58
Fluorene
Concen: 2.424 ng
RT: 15.521 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

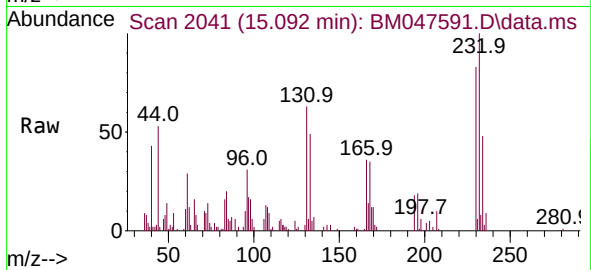
Tgt Ion:166 Resp: 108491
Ion Ratio Lower Upper
166 100
165 99.2 78.4 117.6
167 12.8 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.164 ng
RT: 15.092 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

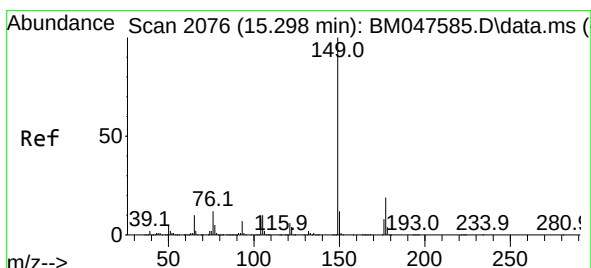
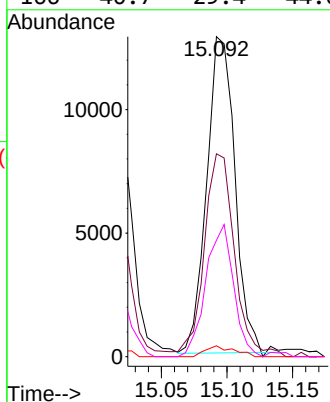
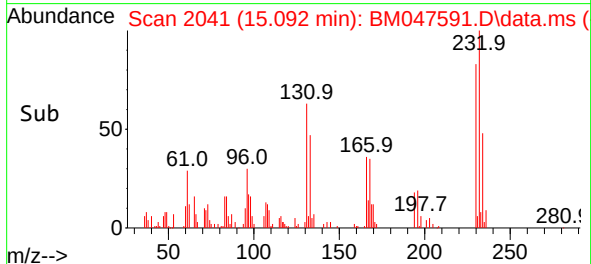
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



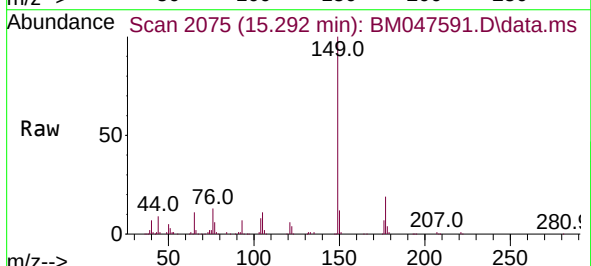
Tgt Ion:232 Resp: 19200
Ion Ratio Lower Upper
232 100
131 68.7 50.3 75.5
130 3.5 3.0 4.4
166 40.7 29.4 44.0

Manual Integrations
APPROVED

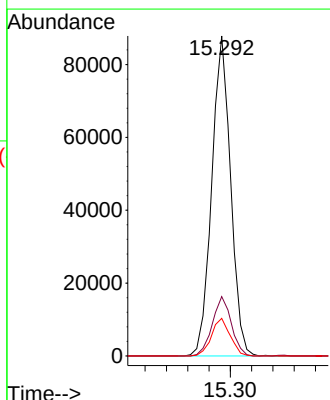
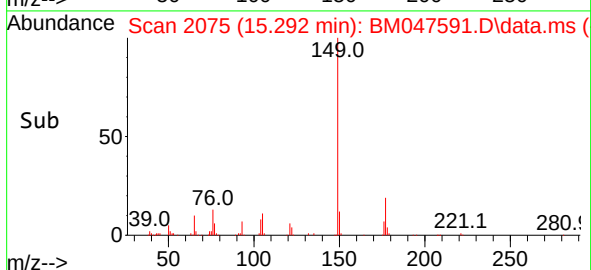
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

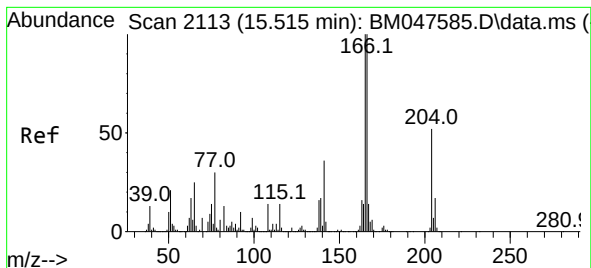


#60
Diethylphthalate
Concen: 2.436 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



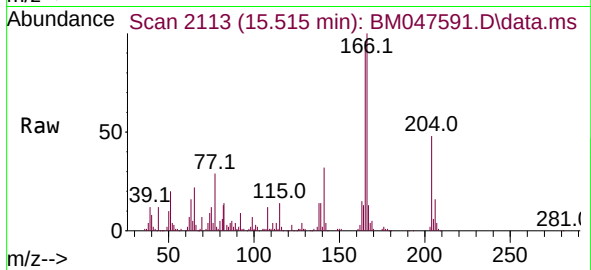
Tgt Ion:149 Resp: 108011
Ion Ratio Lower Upper
149 100
177 18.6 15.4 23.0
150 11.8 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 2.361 ng
RT: 15.515 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

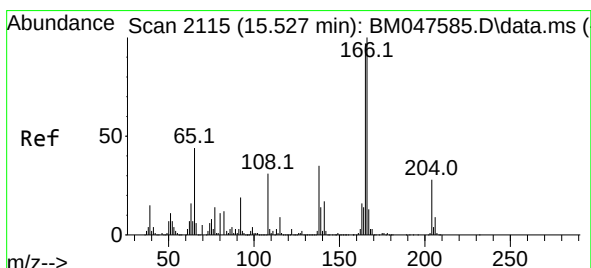
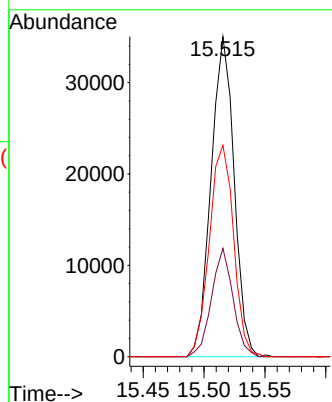
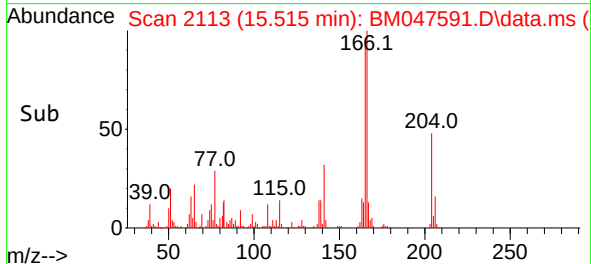
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



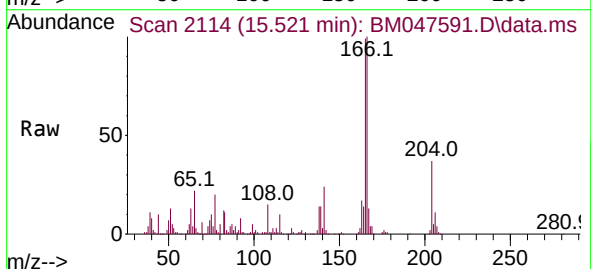
Tgt Ion:204 Resp: 46170
Ion Ratio Lower Upper
204 100
206 33.8 26.2 39.2
141 66.0 55.3 82.9

Manual Integrations
APPROVED

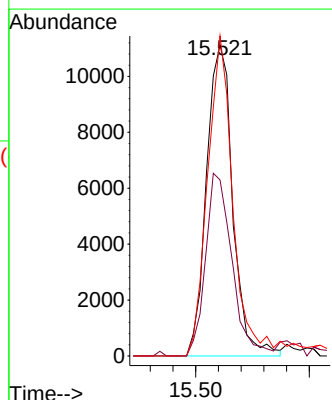
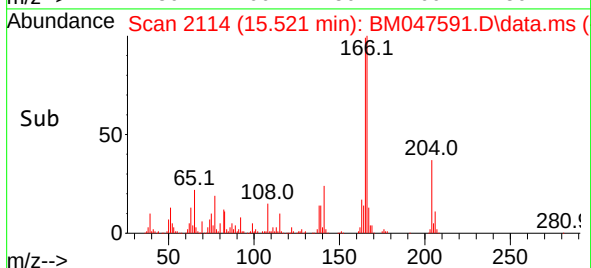
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

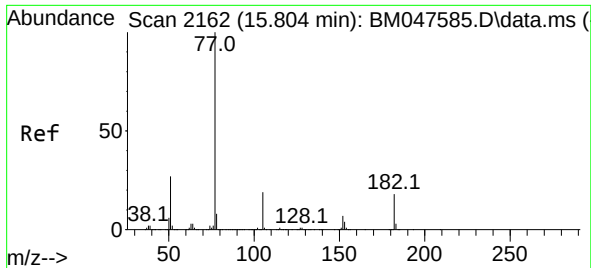


#62
4-Nitroaniline
Concen: 1.583 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



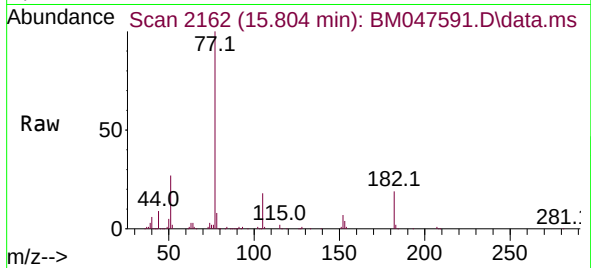
Tgt Ion:138 Resp: 17818
Ion Ratio Lower Upper
138 100
92 56.6 33.3 73.3
108 102.9 66.2 106.2





#63
Azobenzene
Concen: 2.429 ng
RT: 15.804 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

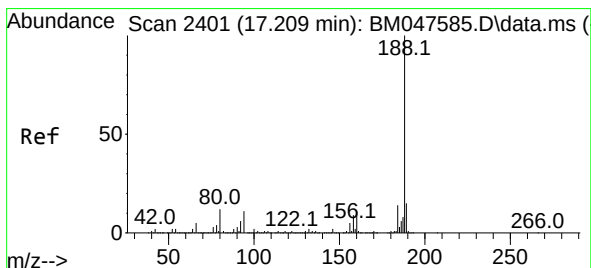
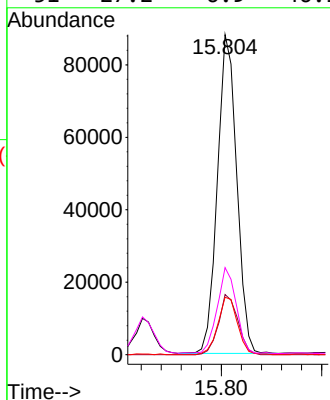
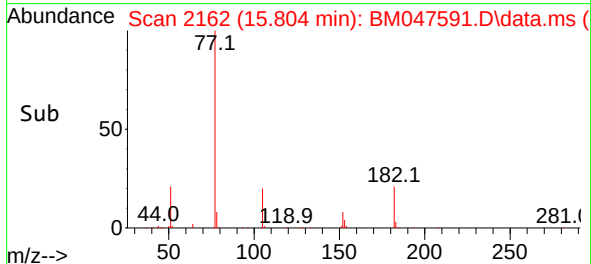
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 77 Resp: 11774
Ion Ratio Lower Upper
77 100
182 18.8 0.0 38.2
105 17.9 0.0 38.8
51 27.2 6.9 46.9

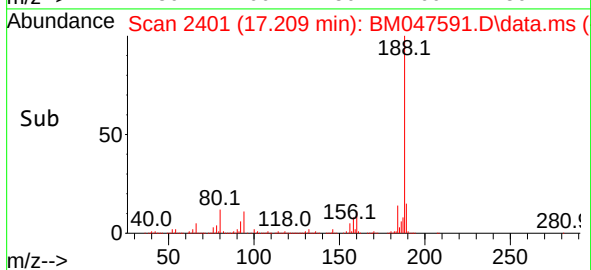
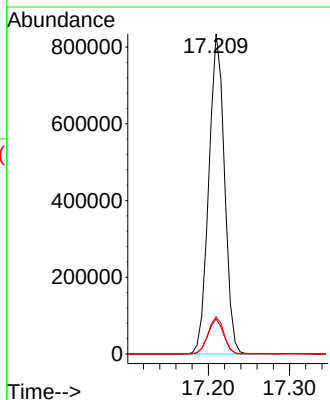
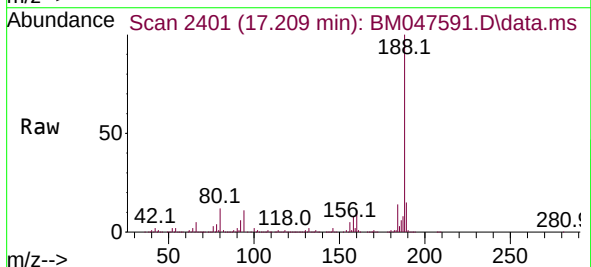
Manual Integrations
APPROVED

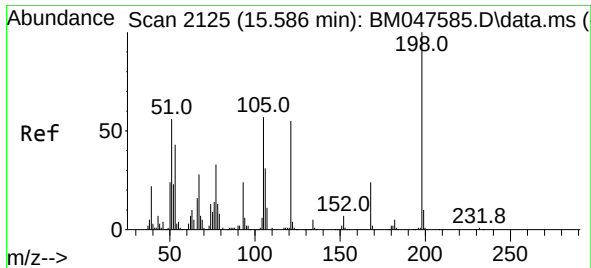
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

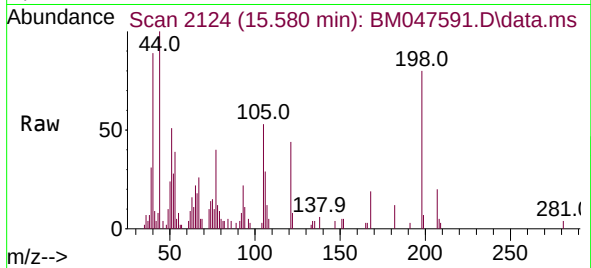
Tgt Ion:188 Resp: 1118044
Ion Ratio Lower Upper
188 100
94 10.9 8.6 13.0
80 11.7 9.9 14.9





#65
4,6-Dinitro-2-methylphenol
Concen: 1.443 ng
RT: 15.580 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

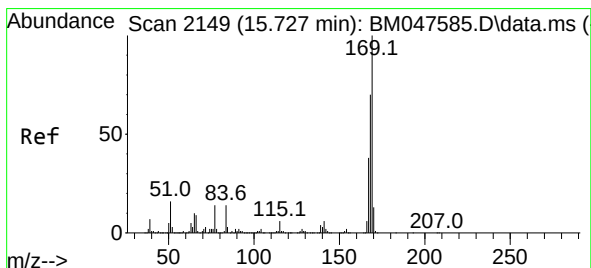
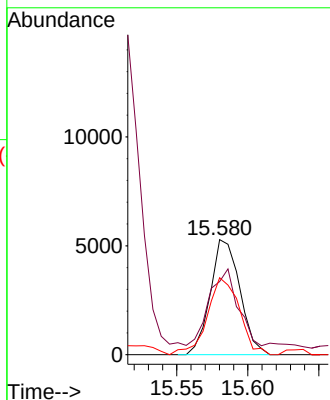
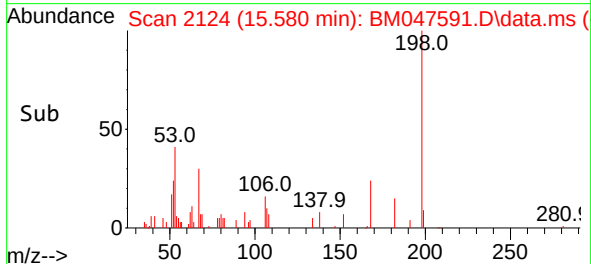
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:198 Resp: 7640
Ion Ratio Lower Upper
198 100
51 63.6 38.2 78.2
105 66.9 38.0 78.0

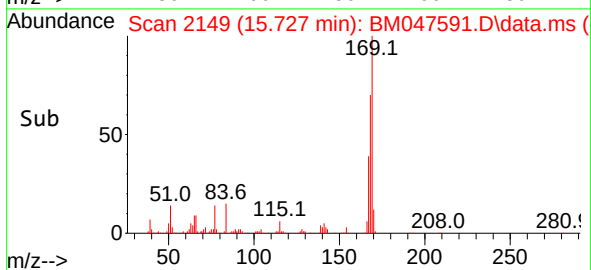
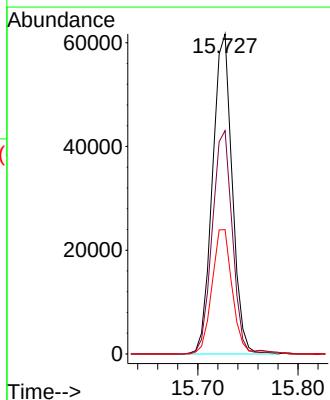
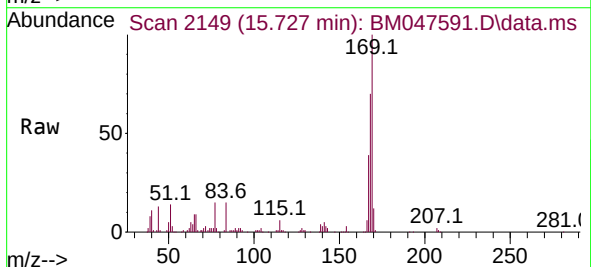
Manual Integrations
APPROVED

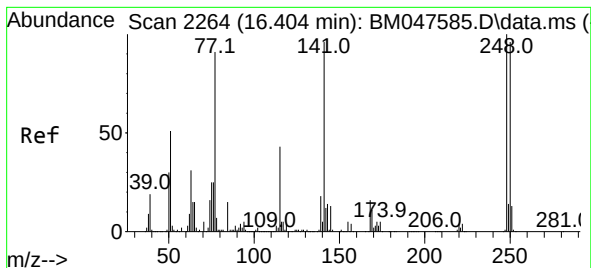
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#66
n-Nitrosodiphenylamine
Concen: 2.520 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

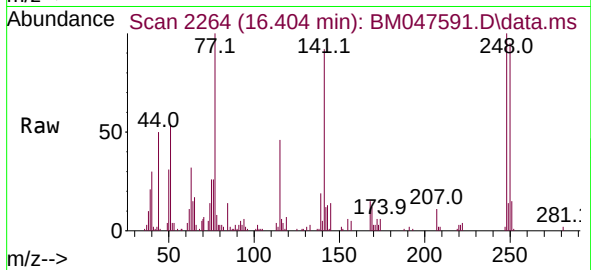
Tgt Ion:169 Resp: 84152
Ion Ratio Lower Upper
169 100
168 69.8 55.8 83.8
167 38.9 30.7 46.1





#67
4-Bromophenyl-phenylether
Concen: 2.413 ng
RT: 16.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

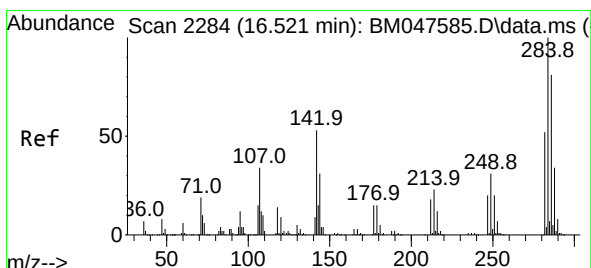
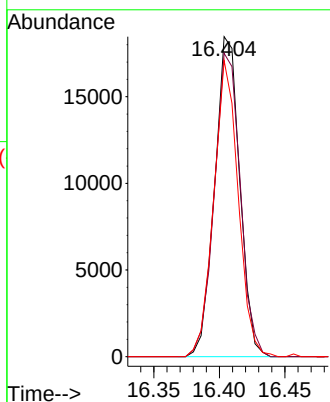
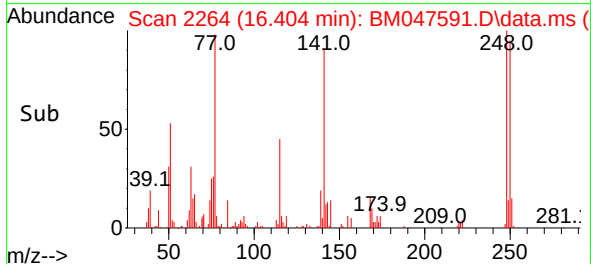
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



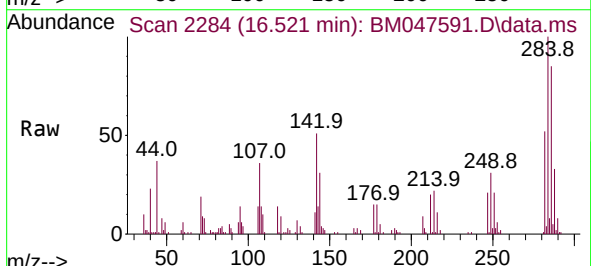
Tgt Ion:248 Resp: 2450
Ion Ratio Lower Upper
248 100
250 94.8 76.7 115.1
141 92.5 76.7 115.1

Manual Integrations
APPROVED

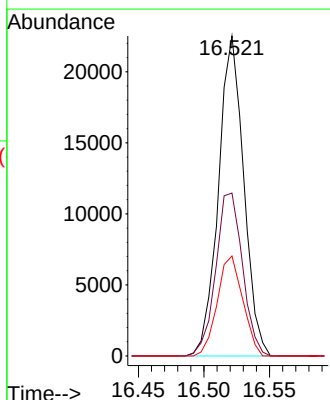
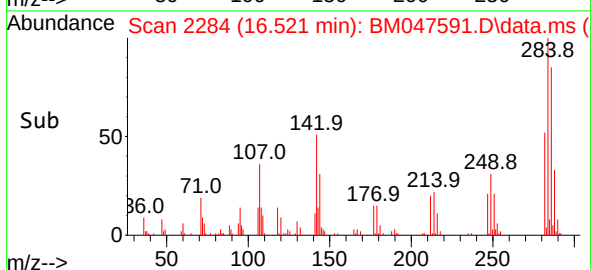
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

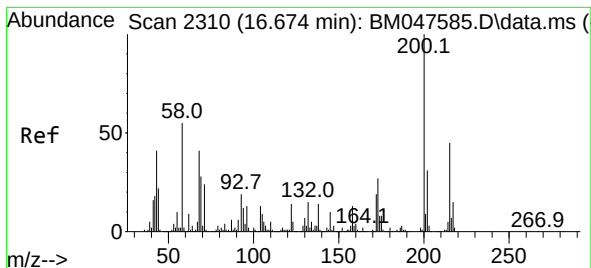


#68
Hexachlorobenzene
Concen: 2.542 ng
RT: 16.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



Tgt Ion:284 Resp: 30186
Ion Ratio Lower Upper
284 100
142 50.9 42.5 63.7
249 31.2 25.0 37.6





#69

Atrazine

Concen: 2.799 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

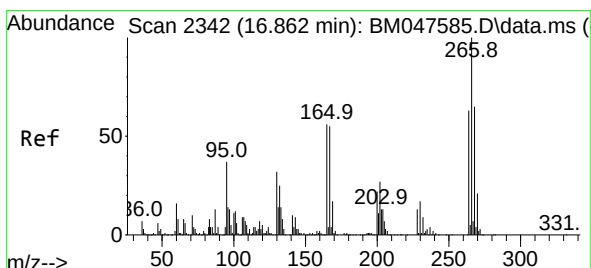
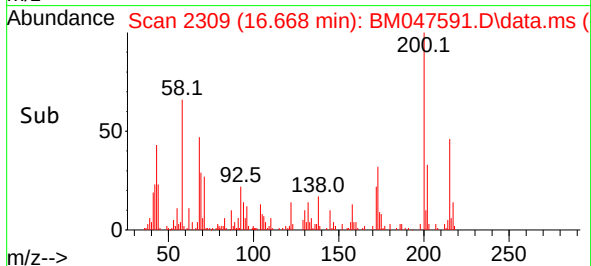
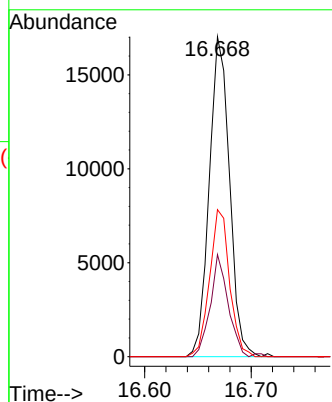
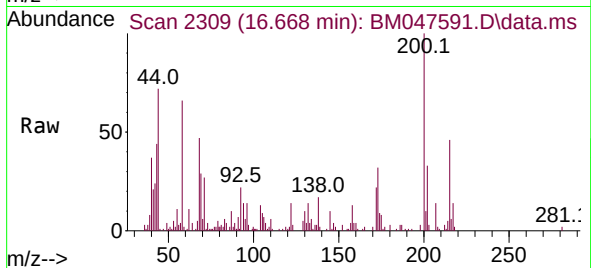
Tgt Ion:200	Resp:	22500
Ion Ratio	Lower	Upper
200	100	
173	31.9	7.4 47.4
215	45.9	24.5 64.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#70

Pentachlorophenol

Concen: 1.803 ng

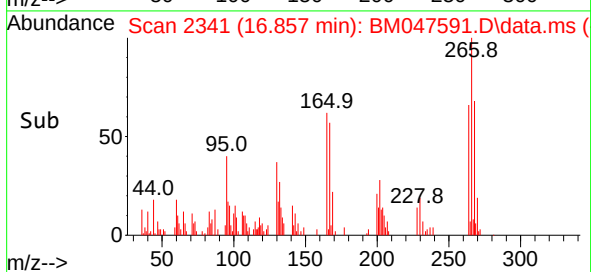
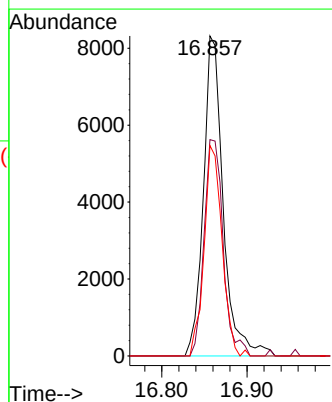
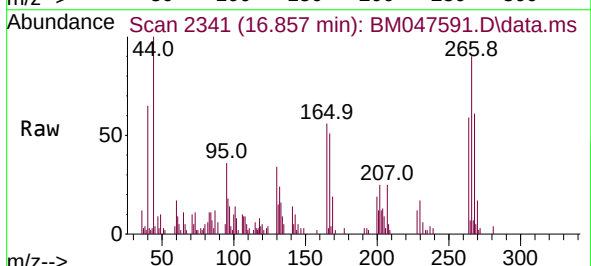
RT: 16.857 min Scan# 2341

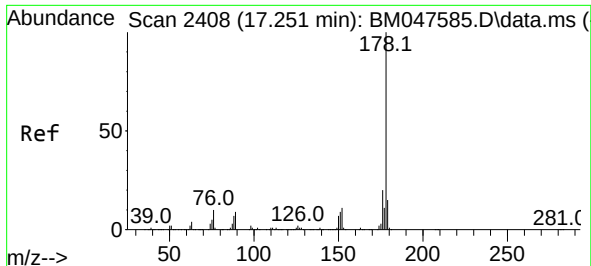
Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

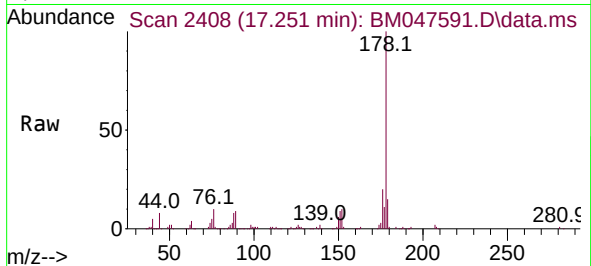
Tgt Ion:266	Resp:	13438
Ion Ratio	Lower	Upper
266	100	
268	73.4	52.2 78.4
264	65.7	50.0 75.0





#71
Phenanthrene
Concen: 2.669 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

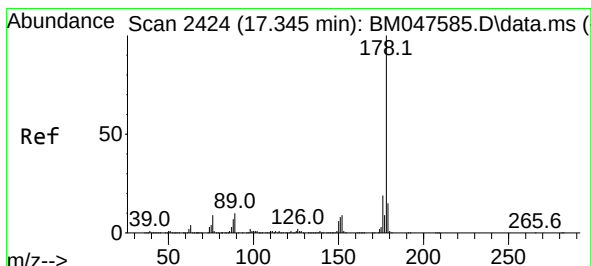
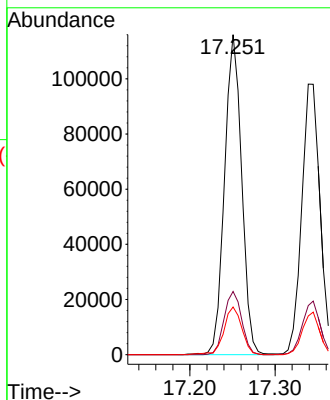
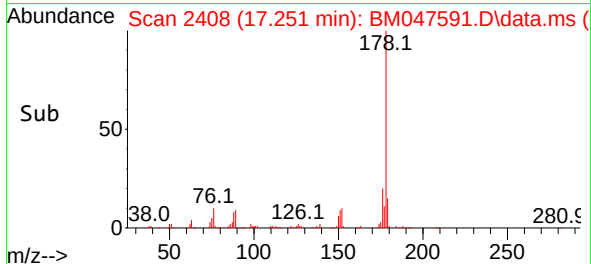
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



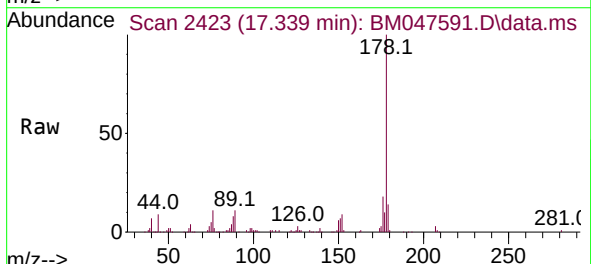
Tgt Ion:178 Resp: 162007
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 14.9 12.2 18.2

Manual Integrations
APPROVED

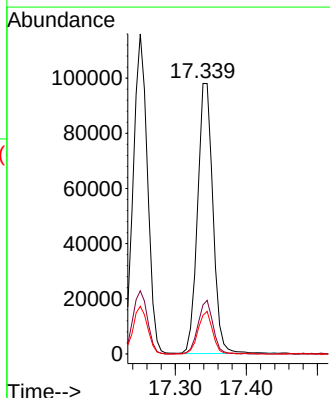
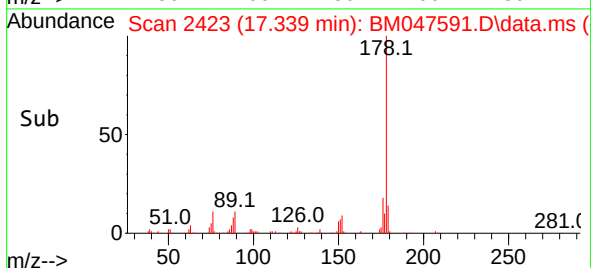
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

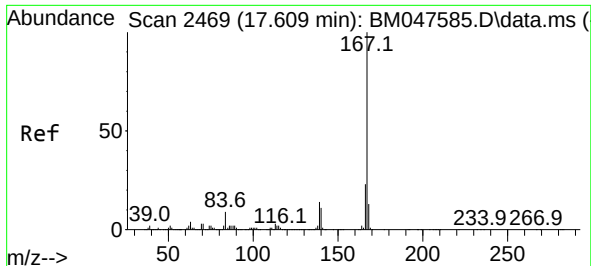


#72
Anthracene
Concen: 2.569 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



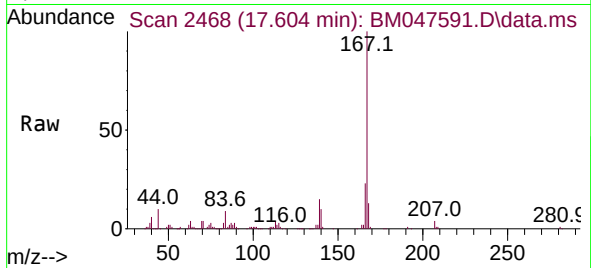
Tgt Ion:178 Resp: 147707
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 14.3 12.2 18.2





#73
 Carbazole
 Concen: 2.340 ng
 RT: 17.604 min Scan# 2469
 Delta R.T. -0.006 min
 Lab File: BM047591.D
 Acq: 20 Sep 2024 16:21

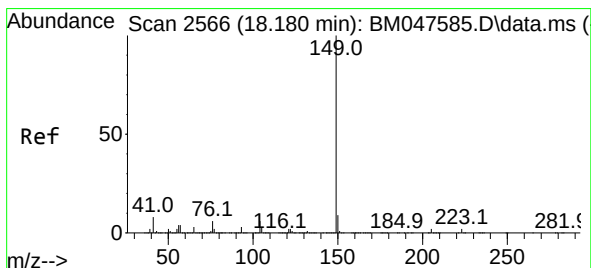
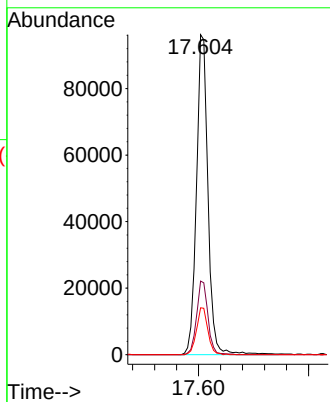
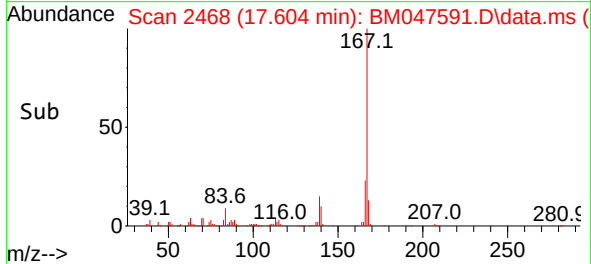
Instrument : BNA_M
 ClientSampleId : MDL-SOIL-03-QT2-2024



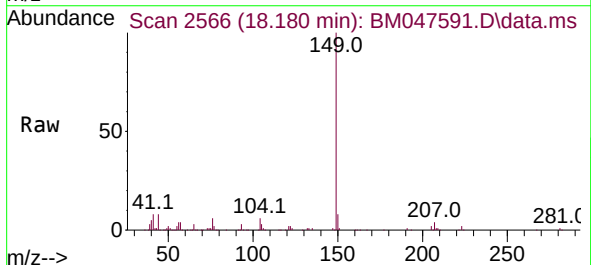
Tgt Ion:167 Resp: 140194
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.0 27.0
 139 14.6 11.3 16.9

Manual Integrations
 APPROVED

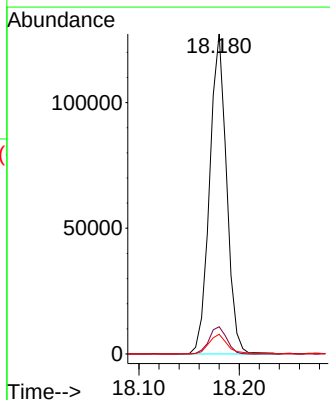
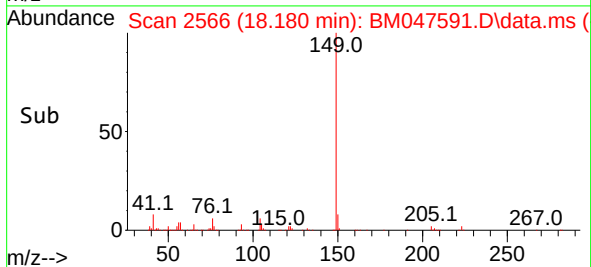
Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/24/2024

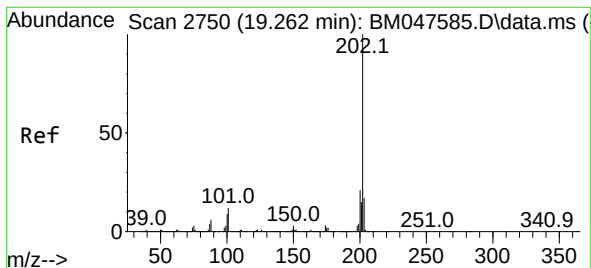


#74
 Di-n-butylphthalate
 Concen: 2.059 ng
 RT: 18.180 min Scan# 2566
 Delta R.T. 0.000 min
 Lab File: BM047591.D
 Acq: 20 Sep 2024 16:21



Tgt Ion:149 Resp: 149245
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.4 11.0
 104 6.2 4.7 7.1





#75

Fluoranthene

Concen: 2.270 ng

RT: 19.256 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

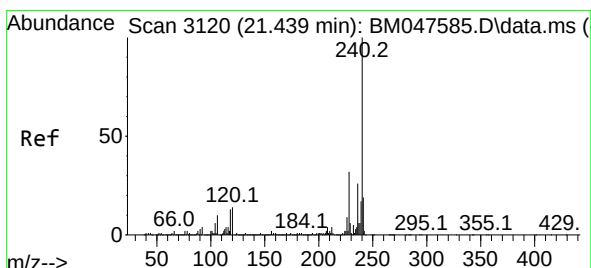
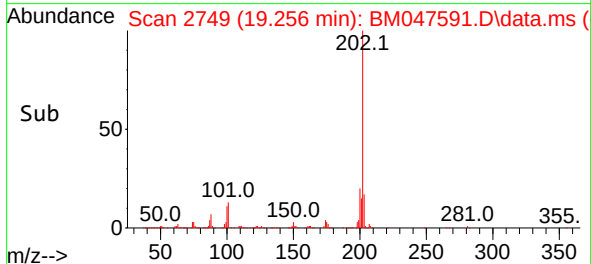
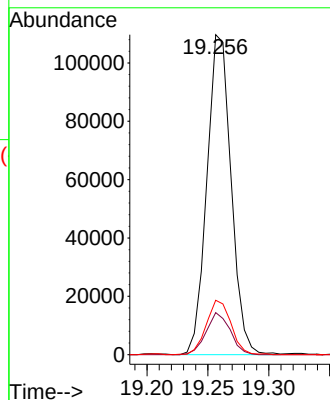
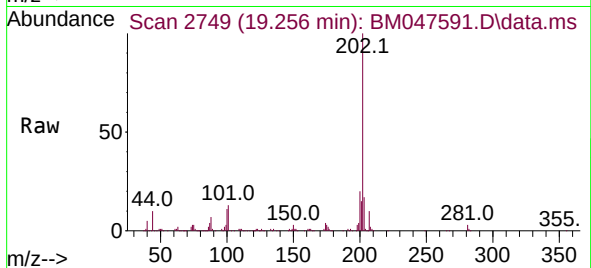
Tgt Ion:202 Resp: 15163
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 32.2
 203 17.0 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#76

Chrysene-d12

Concen: 20.000 ng

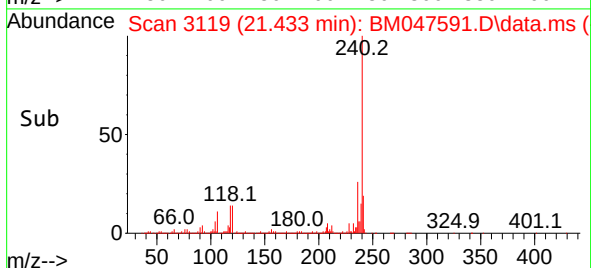
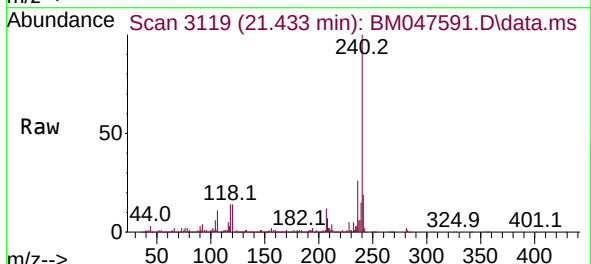
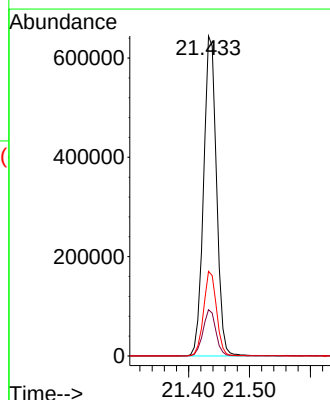
RT: 21.433 min Scan# 3119

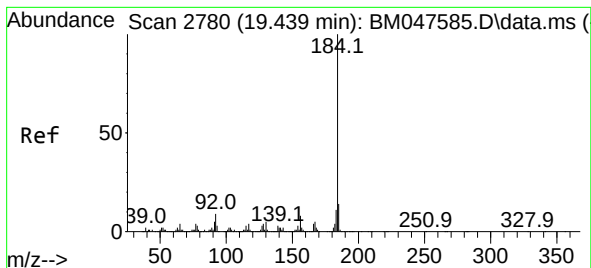
Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:240 Resp: 951186
 Ion Ratio Lower Upper
 240 100
 120 14.5 10.8 16.2
 236 26.5 20.8 31.2





#77

Benzidine

Concen: 3.452 ng

RT: 19.439 min Scan# 2780

Delta R.T. -0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

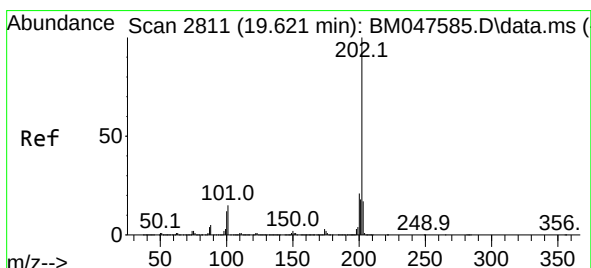
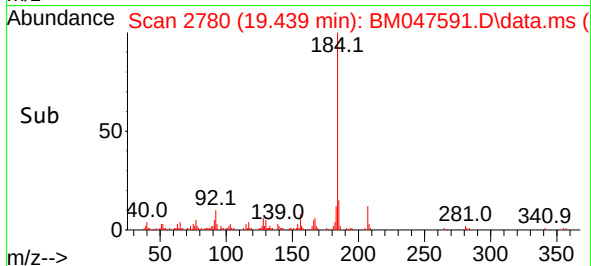
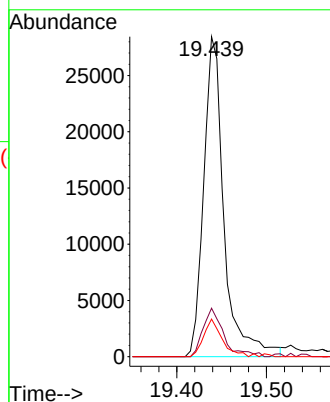
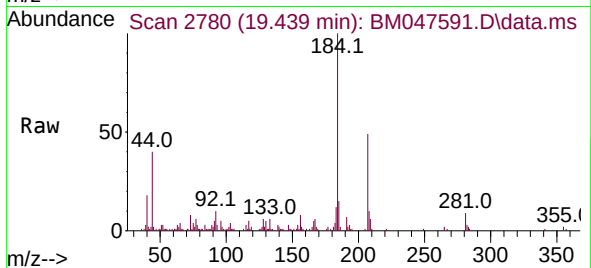
Tgt Ion:184	Resp: 4471
Ion Ratio	Lower Upper
184 100	
185 15.1	11.5 17.3
183 11.7	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#78

Pyrene

Concen: 2.409 ng

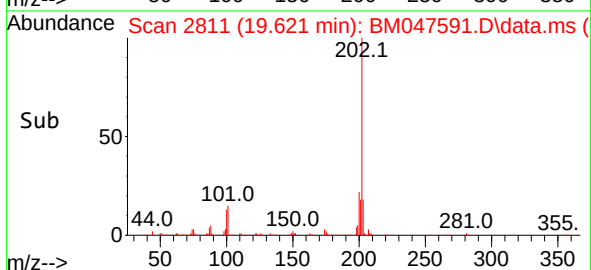
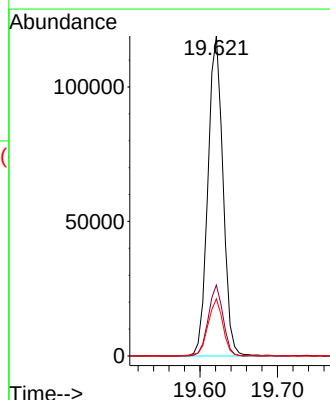
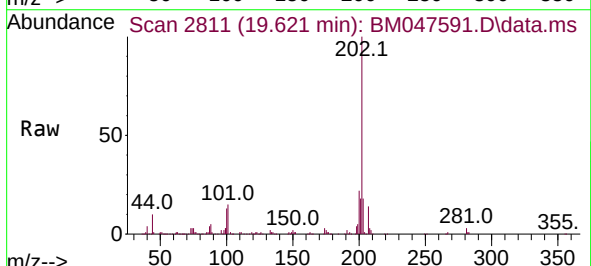
RT: 19.621 min Scan# 2811

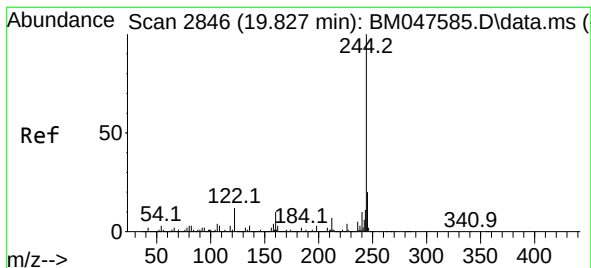
Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:202	Resp: 160392
Ion Ratio	Lower Upper
202 100	
200 22.2	17.2 25.8
203 17.8	13.8 20.8





#79

Terphenyl-d14

Concen: 58.053 ng

RT: 19.827 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047591.D

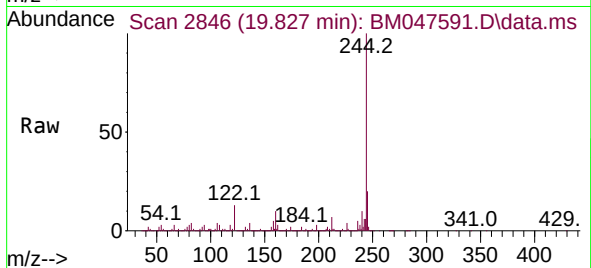
Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:244 Resp: 307751

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

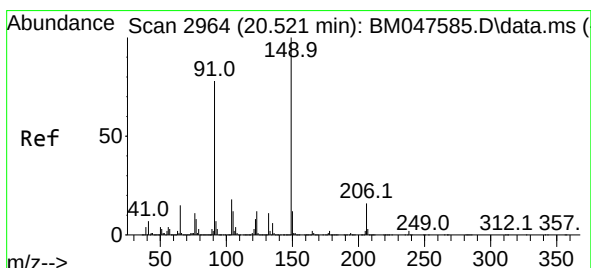
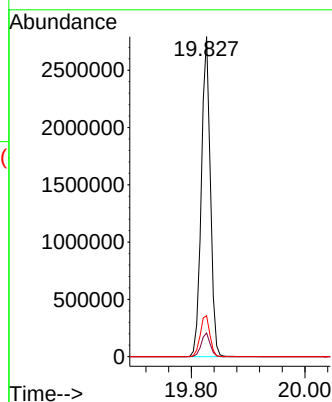
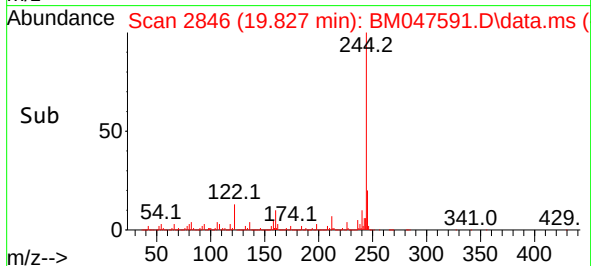
122 12.8 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#80

Butylbenzylphthalate

Concen: 1.937 ng

RT: 20.515 min Scan# 2963

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

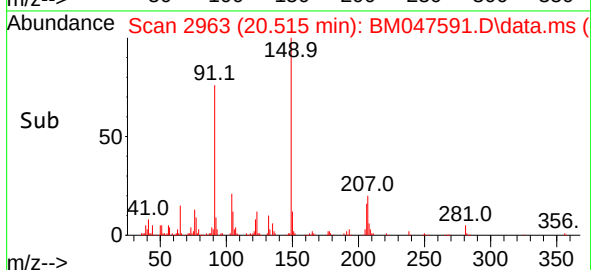
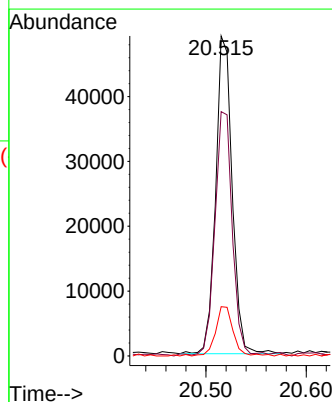
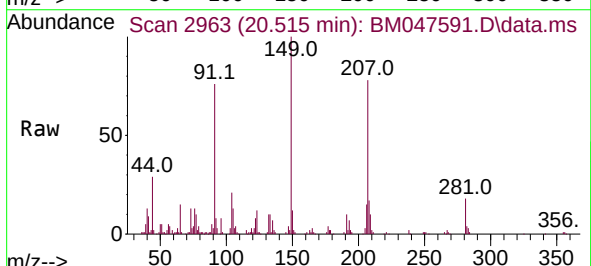
Tgt Ion:149 Resp: 56130

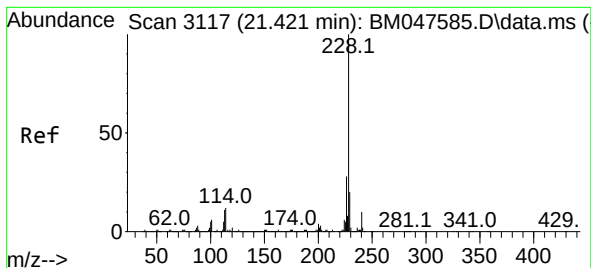
Ion Ratio Lower Upper

149 100

91 76.4 62.3 93.5

206 15.4 13.0 19.6





#81

Benzo(a)anthracene

Concen: 2.666 ng

RT: 21.415 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

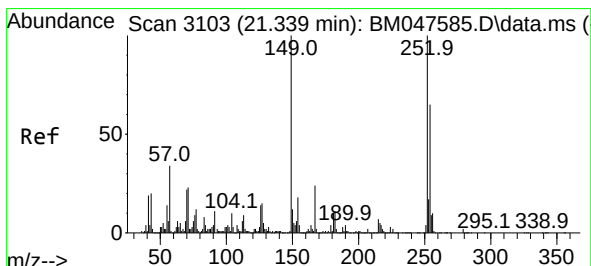
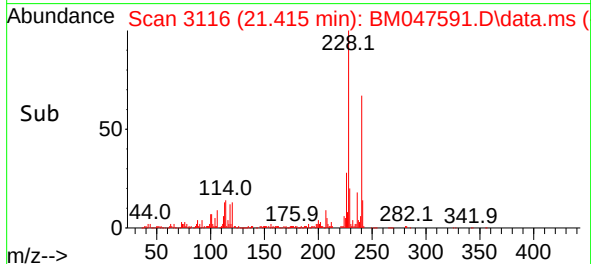
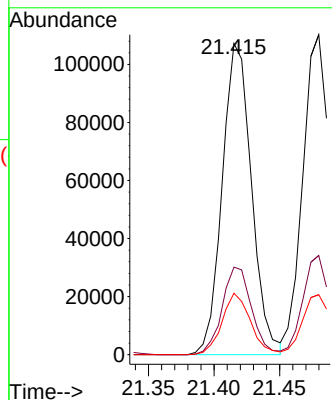
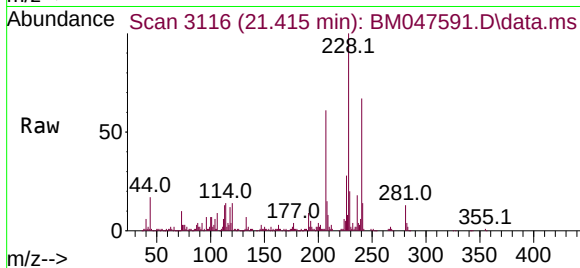
Tgt Ion:228 Resp: 166777
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.4 33.6
 229 19.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 2.120 ng

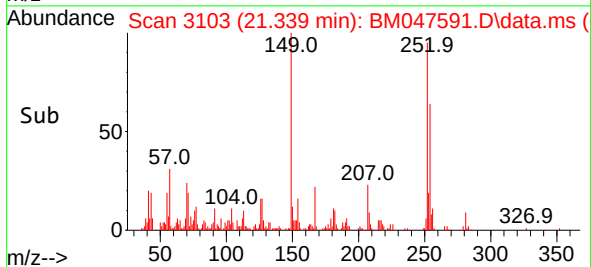
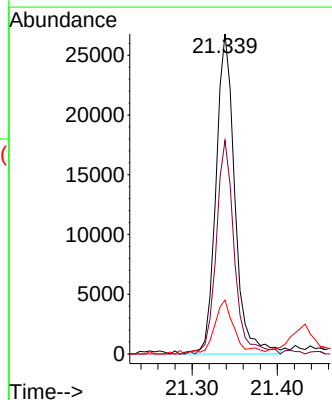
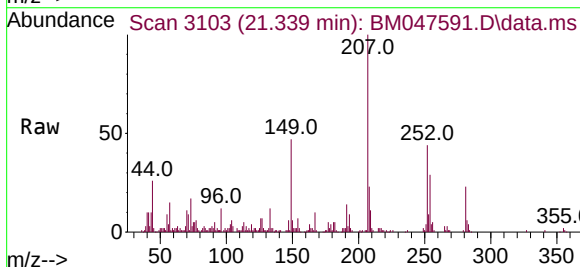
RT: 21.339 min Scan# 3103

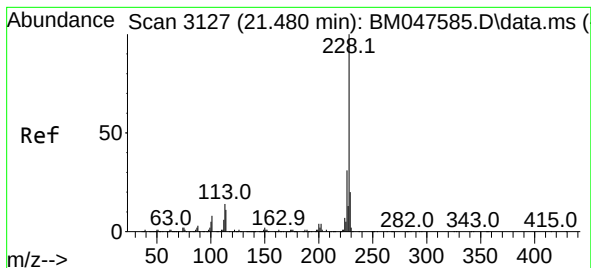
Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:252 Resp: 41184
 Ion Ratio Lower Upper
 252 100
 254 66.7 52.3 78.5
 126 16.9 11.4 17.0





#83

Chrysene

Concen: 2.744 ng

RT: 21.480 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

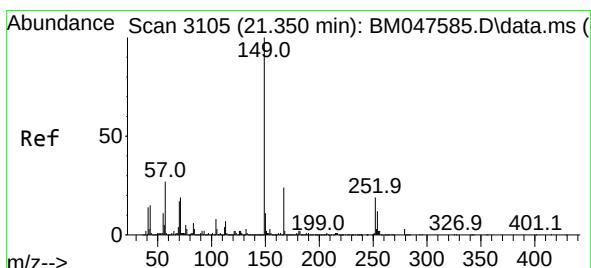
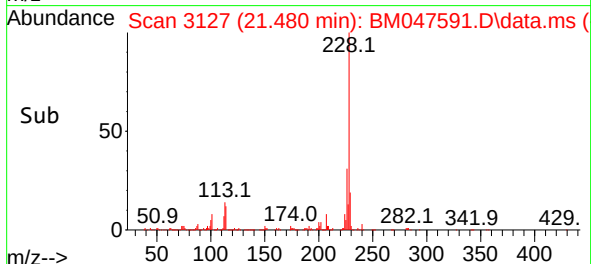
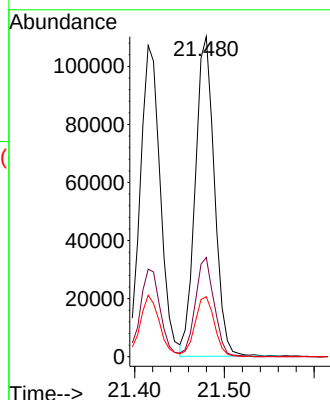
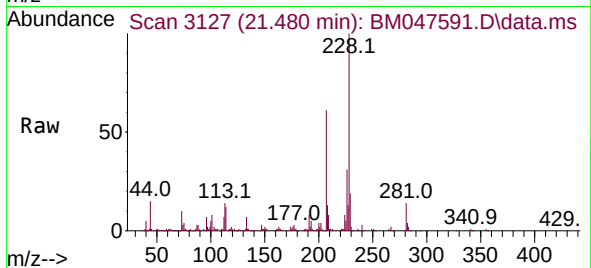
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:228 Resp: 16319
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.9 37.3
 229 18.8 15.8 23.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.814 ng

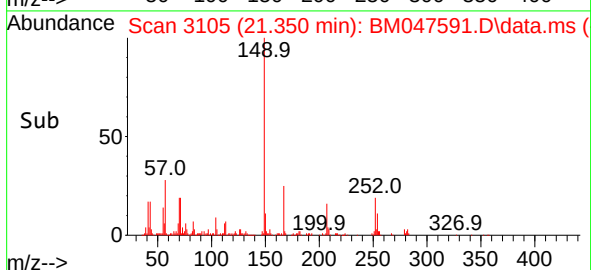
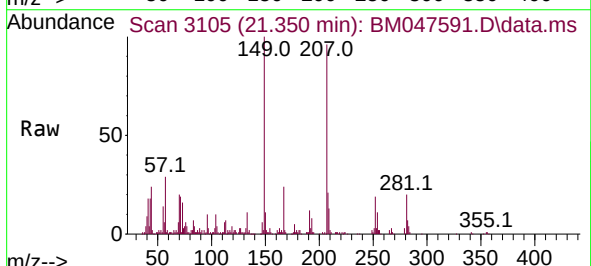
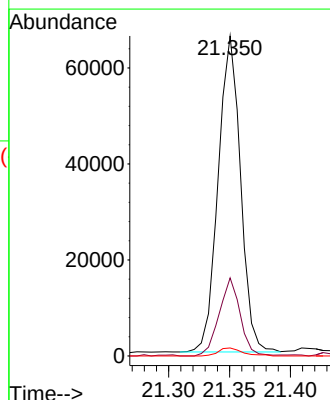
RT: 21.350 min Scan# 3105

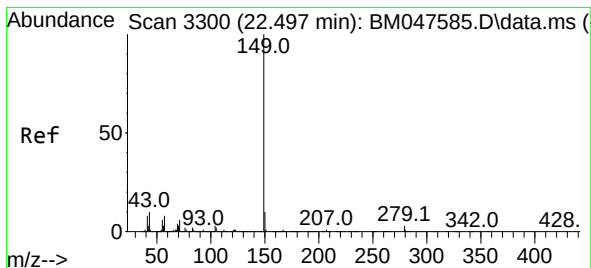
Delta R.T. 0.000 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

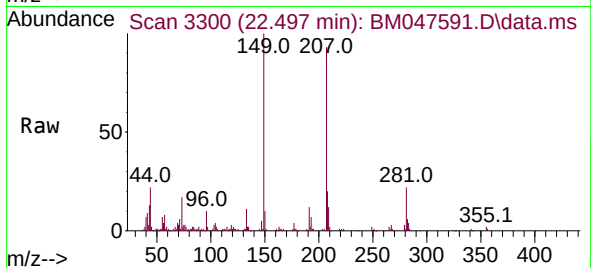
Tgt Ion:149 Resp: 84102
 Ion Ratio Lower Upper
 149 100
 167 24.4 19.5 29.3
 279 2.5 2.3 3.5





#85
Di-n-octyl phthalate
Concen: 1.749 ng
RT: 22.497 min Scan# 3300
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21

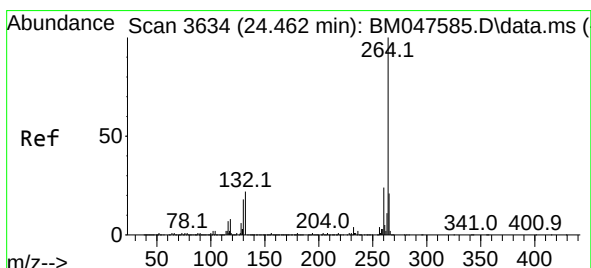
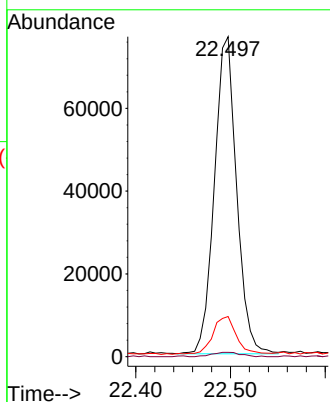
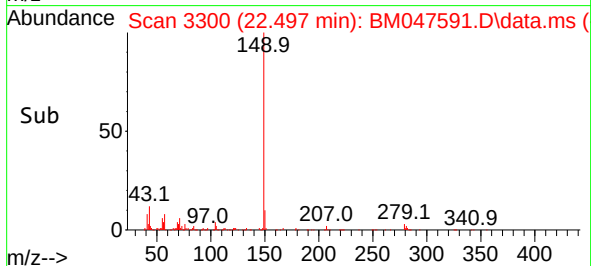
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



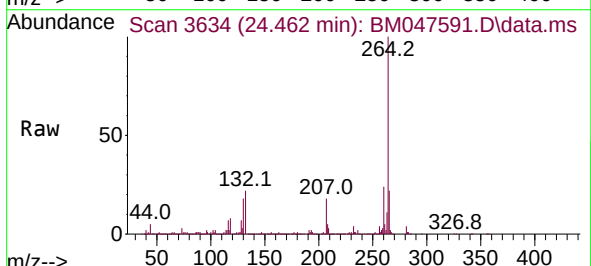
Tgt Ion:149 Resp: 125078
Ion Ratio Lower Upper
149 100
167 1.8 1.1 1.7
43 12.7 8.2 12.2

Manual Integrations
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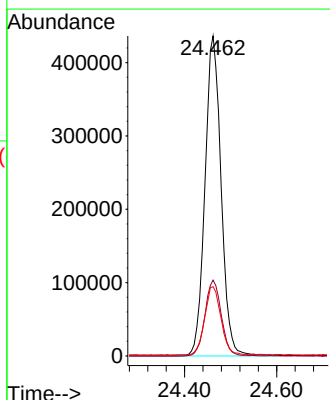
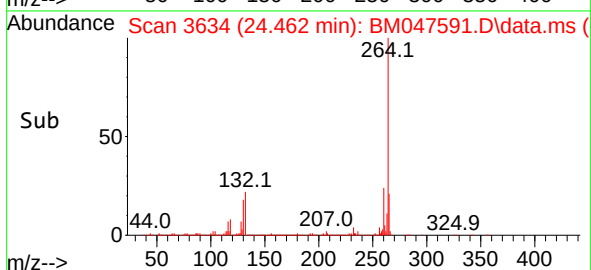
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

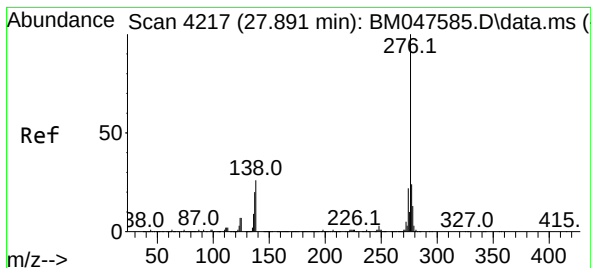


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. 0.000 min
Lab File: BM047591.D
Acq: 20 Sep 2024 16:21



Tgt Ion:264 Resp: 1063953
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.523 ng

RT: 27.873 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

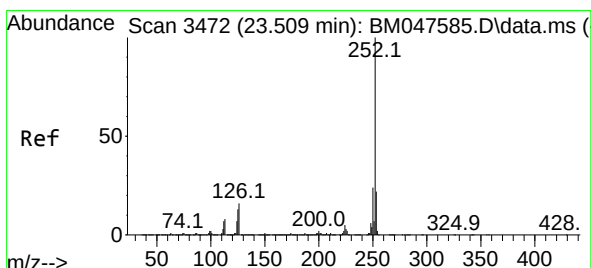
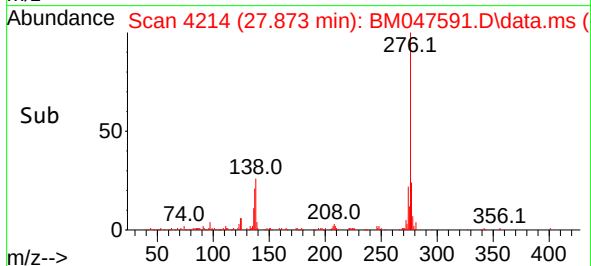
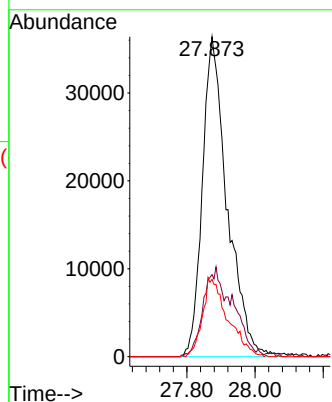
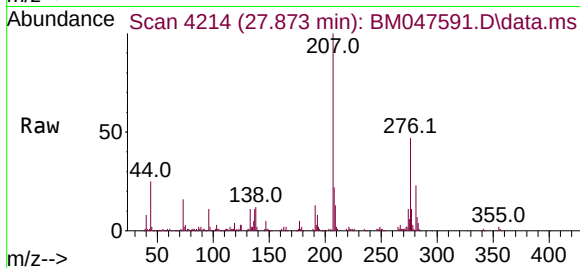
Tgt Ion:276 Resp: 18455
Ion Ratio Lower Upper
276 100
138 0.0 18.1 27.1
277 25.1 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#88

Benzo(b)fluoranthene

Concen: 2.307 ng

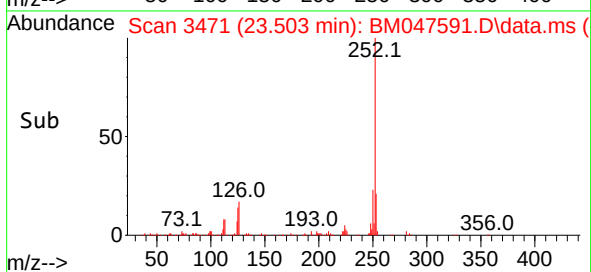
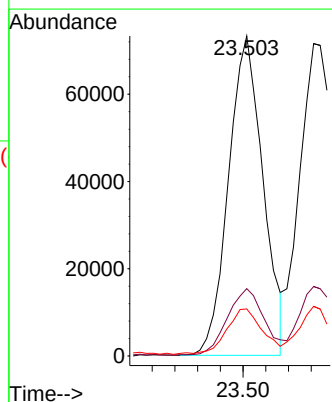
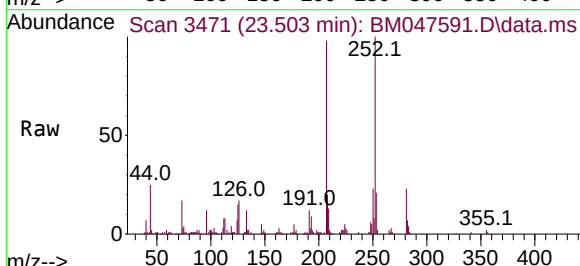
RT: 23.503 min Scan# 3471

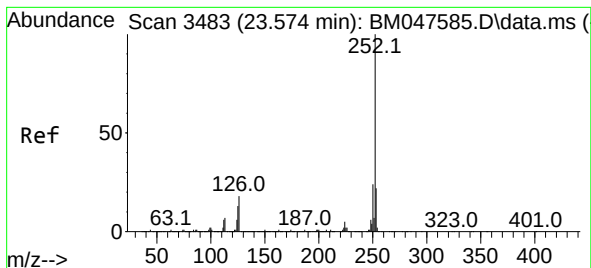
Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:252 Resp: 154250
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.0
125 14.7 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 2.451 ng m

RT: 23.562 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

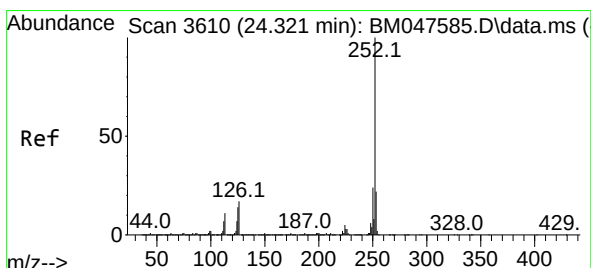
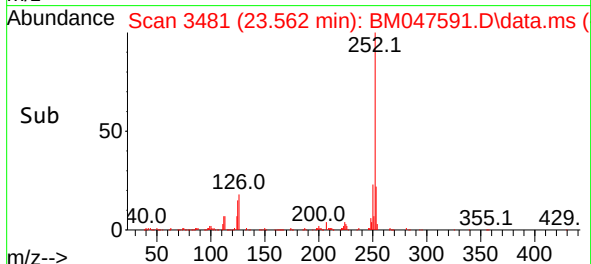
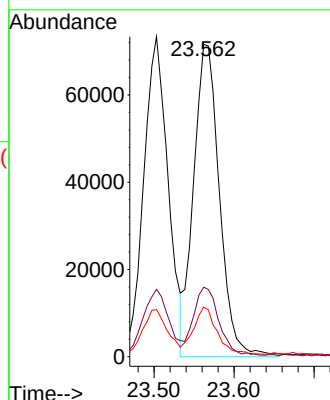
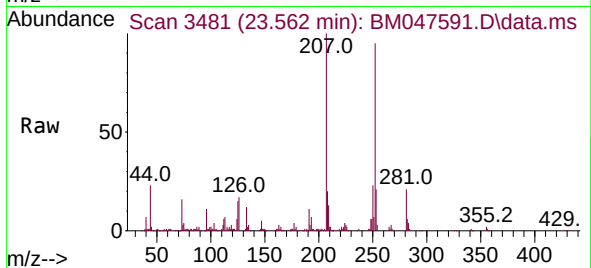
Tgt Ion:252 Resp: 160880
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.6 26.4
 125 15.9 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#90

Benzo(a)pyrene

Concen: 2.498 ng

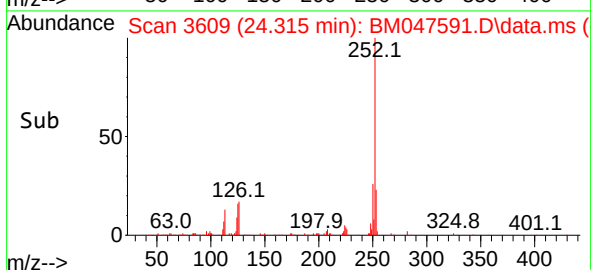
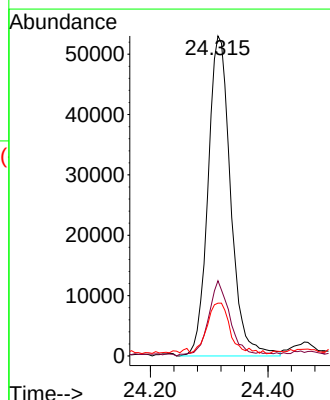
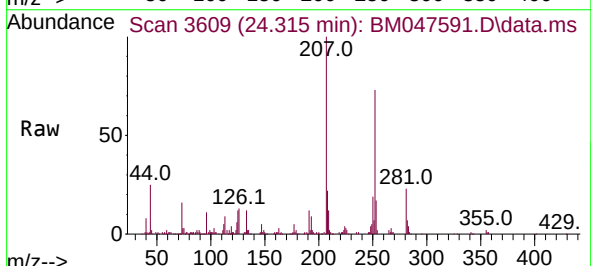
RT: 24.315 min Scan# 3609

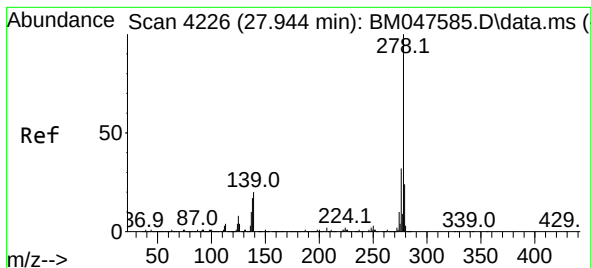
Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:252 Resp: 141623
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 16.5 11.5 17.3





#91

Dibenzo(a,h)anthracene

Concen: 2.434 ng

RT: 27.938 min Scan# 4394

Delta R.T. -0.006 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

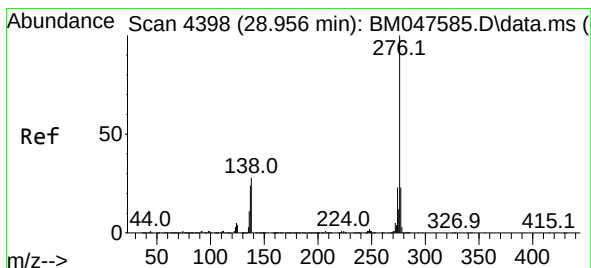
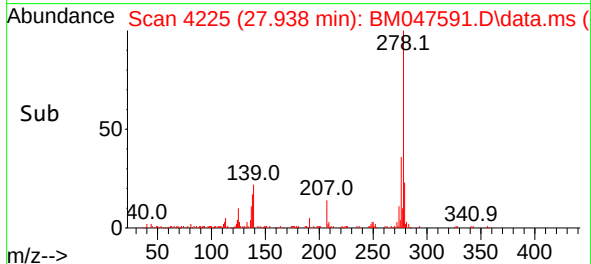
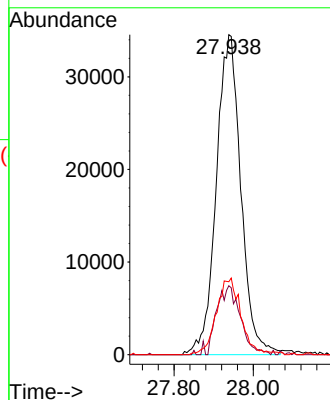
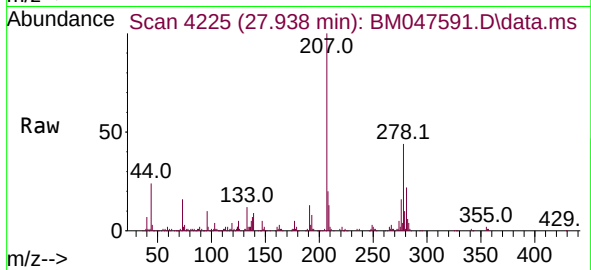
Tgt Ion:278 Resp: 148735
Ion Ratio Lower Upper
278 100
139 21.6 16.4 24.6
279 22.8 19.0 28.6

Manual Integrations

APPROVED

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#92

Benzo(g,h,i)perylene

Concen: 2.379 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.023 min

Lab File: BM047591.D

Acq: 20 Sep 2024 16:21

Tgt Ion:276 Resp: 145680
Ion Ratio Lower Upper
276 100
277 23.2 18.3 27.5
138 27.0 22.3 33.5

