

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
 Data File : BM047592.D
 Acq On : 20 Sep 2024 17:00
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 8 ppm
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 21 03:25:20 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	297142	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1249095	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	669088	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1236282	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1032104	20.000	ng	0.00
86) Perylene-d12	24.462	264	1097915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2251785	116.131	ng	0.00
7) Phenol-d6	7.004	99	2942130	115.157	ng	0.00
23) Nitrobenzene-d5	8.998	82	1935729	77.145	ng	0.00
42) 2,4,6-Tribromophenol	15.956	330	669544	108.068	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	3617529	76.502	ng	0.00
79) Terphenyl-d14	19.827	244	4125348	71.717	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	62922	7.453	ng	99
3) Pyridine	3.722	79	148064	6.327	ng	98
4) n-Nitrosodimethylamine	3.622	42	69928	7.206	ng	# 91
6) Aniline	7.169	93	190136	8.687	ng	99
8) 2-Chlorophenol	7.410	128	149228	7.351	ng	99
9) Benzaldehyde	6.981	77	139088m	10.668	ng	
10) Phenol	7.034	94	185025	7.294	ng	99
11) bis(2-Chloroethyl)ether	7.269	93	145676	7.145	ng	100
12) 1,3-Dichlorobenzene	7.733	146	157172	7.001	ng	97
13) 1,4-Dichlorobenzene	7.881	146	159934	7.041	ng	99
14) 1,2-Dichlorobenzene	8.198	146	155874	7.119	ng	96
15) Benzyl Alcohol	8.081	79	115444	7.003	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.363	45	202973	7.810	ng	98
17) 2-Methylphenol	8.281	107	109004	6.837	ng	96
18) Hexachloroethane	8.928	117	64751	7.030	ng	92
19) n-Nitroso-di-n-propyla...	8.645	70	106572	6.810	ng	98
20) 3+4-Methylphenols	8.604	107	143563	6.611	ng	96
22) Acetophenone	8.663	105	218522	6.715	ng	# 99
24) Nitrobenzene	9.039	77	176822	6.823	ng	99
25) Isophorone	9.569	82	270176	6.443	ng	99
26) 2-Nitrophenol	9.751	139	51167	5.615	ng	96
27) 2,4-Dimethylphenol	9.810	122	88580	6.820	ng	95
28) bis(2-Chloroethoxy)met...	10.051	93	179561	6.656	ng	96
29) 2,4-Dichlorophenol	10.286	162	101844	6.203	ng	99
30) 1,2,4-Trichlorobenzene	10.504	180	121877	6.512	ng	98
31) Naphthalene	10.692	128	434823	6.580	ng	98
32) Benzoic acid	9.869	122	51661m	4.267	ng	
33) 4-Chloroaniline	10.792	127	161675	6.939	ng	97
34) Hexachlorobutadiene	10.986	225	63108	6.196	ng	99
35) Caprolactam	11.545	113	30517	5.377	ng	95
36) 4-Chloro-3-methylphenol	11.916	107	108858	5.811	ng	97
37) 2-Methylnaphthalene	12.298	142	260830	6.282	ng	100
38) 1-Methylnaphthalene	12.521	142	241968	5.875	ng	98
40) 1,2,4,5-Tetrachloroben...	12.668	216	115483	6.540	ng	99
41) Hexachlorocyclopentadiene	12.657	237	44859	7.695	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	65957	5.748	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	72821	5.646	ng	96
46) 1,1'-Biphenyl	13.310	154	348797	6.750	ng	98
47) 2-Chloronaphthalene	13.351	162	254367	6.291	ng	99
48) 2-Nitroaniline	13.545	65	62775	5.198	ng	97
49) Acenaphthylene	14.198	152	388556	6.678	ng	100
50) Dimethylphthalate	13.927	163	291743	6.315	ng	98
51) 2,6-Dinitrotoluene	14.039	165	51790	5.351	ng	98
52) Acenaphthene	14.539	154	236328m	6.148	ng	
53) 3-Nitroaniline	14.368	138	58622	5.281	ng	# 92
54) 2,4-Dinitrophenol	14.568	184	16970	3.868	ng	98
55) Dibenzofuran	14.868	168	361228	6.431	ng	100
56) 4-Nitrophenol	14.668	139	47047	4.946	ng	95
57) 2,4-Dinitrotoluene	14.821	165	61759	4.789	ng	# 83
58) Fluorene	15.521	166	284156	5.716	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	57771	5.859	ng	99
60) Diethylphthalate	15.292	149	292855	5.946	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	123602	5.690	ng	98
62) 4-Nitroaniline	15.521	138	57818	4.623	ng	98
63) Azobenzene	15.804	77	333548	6.195	ng	99
65) 4,6-Dinitro-2-methylph...	15.586	198	24076	4.110	ng	90
66) n-Nitrosodiphenylamine	15.721	169	227963	6.174	ng	100
67) 4-Bromophenyl-phenylether	16.409	248	66941	5.961	ng	93
68) Hexachlorobenzene	16.521	284	78146	5.952	ng	98
69) Atrazine	16.668	200	62471	7.028	ng	96
70) Pentachlorophenol	16.862	266	39876	4.839	ng	95
71) Phenanthrene	17.251	178	414505	6.177	ng	100
72) Anthracene	17.345	178	392016	6.166	ng	99
73) Carbazole	17.603	167	384043	5.797	ng	99
74) Di-n-butylphthalate	18.180	149	430715	5.375	ng	98
75) Fluoranthene	19.256	202	396486	5.367	ng	98
77) Benzidine	19.439	184	151996	10.814	ng	100
78) Pyrene	19.621	202	421499	5.835	ng	100
80) Butylbenzylphthalate	20.521	149	161138	5.124	ng	99
81) Benzo(a)anthracene	21.415	228	433109	6.382	ng	98
82) 3,3'-Dichlorobenzidine	21.338	252	120917	5.737	ng	99
83) Chrysene	21.480	228	404204	6.263	ng	99
84) Bis(2-ethylhexyl)phtha...	21.350	149	258871	5.146	ng	99
85) Di-n-octyl phthalate	22.491	149	388774	5.009	ng	99
87) Indeno(1,2,3-cd)pyrene	27.873	276	472630	6.260	ng	# 89
88) Benzo(b)fluoranthene	23.503	252	394747	5.721	ng	98
89) Benzo(k)fluoranthene	23.562	252	409542	6.046	ng	98
90) Benzo(a)pyrene	24.315	252	355782	6.081	ng	99
91) Dibenzo(a,h)anthracene	27.938	278	383531	6.082	ng	98
92) Benzo(g,h,i)perylene	28.938	276	367723	5.818	ng	99

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

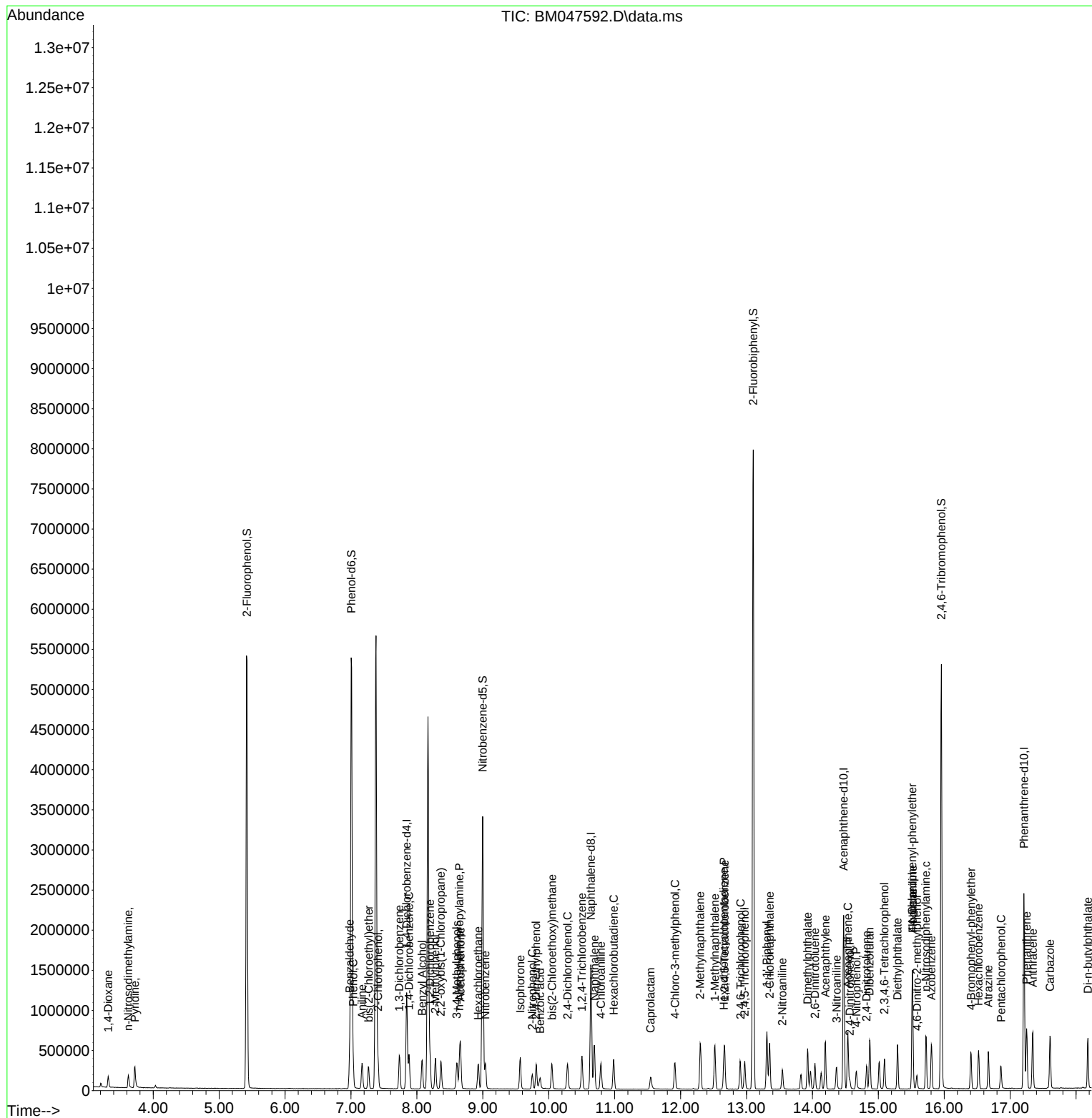
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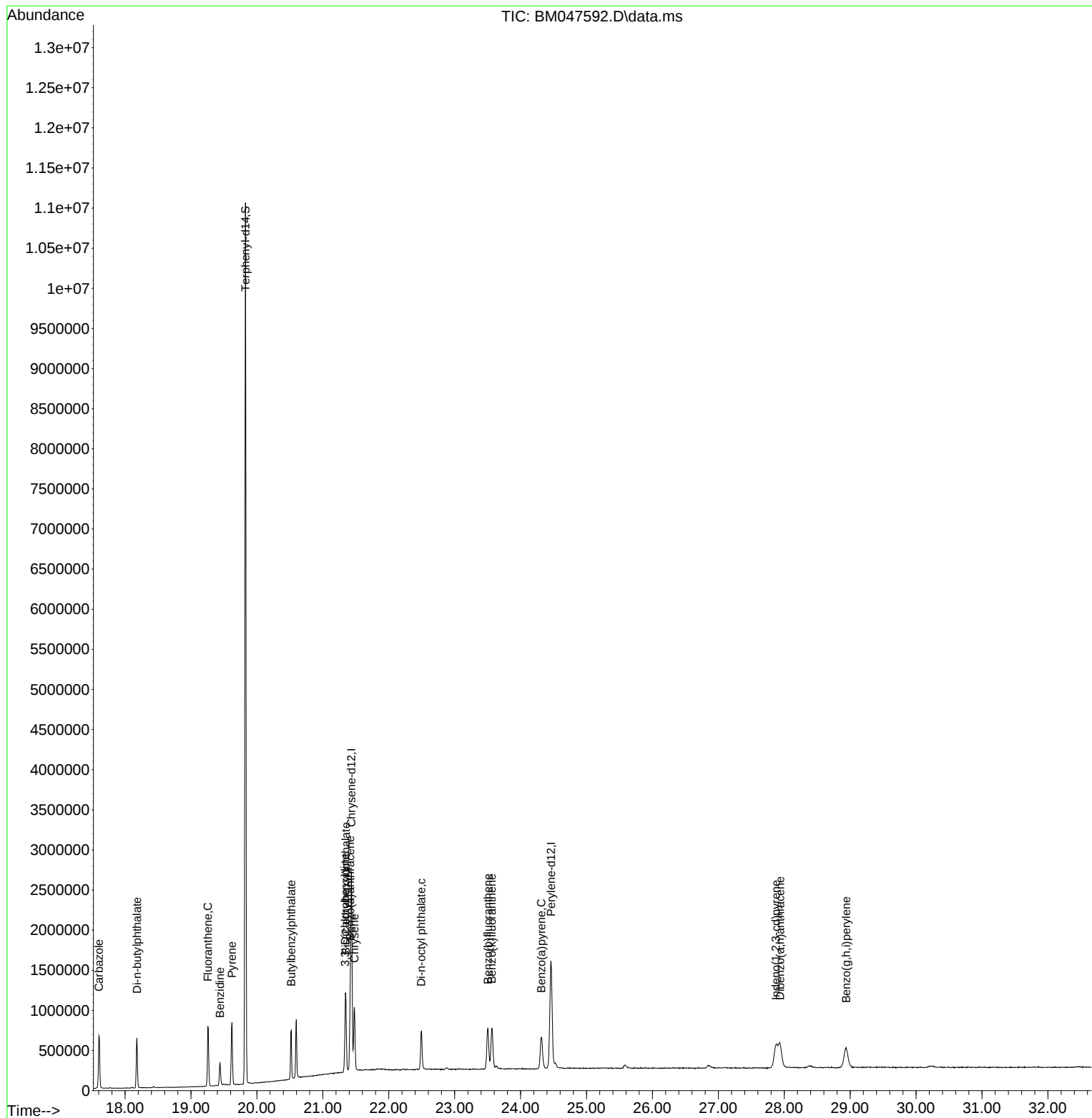
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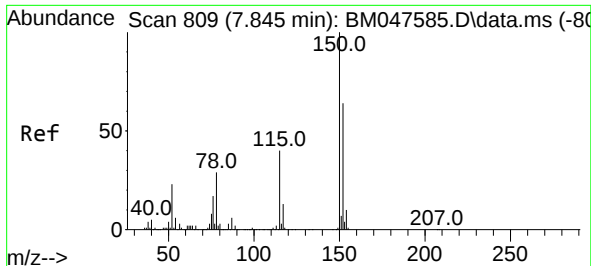
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ClientSampleId :
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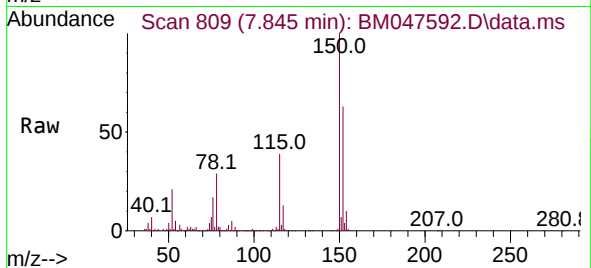
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

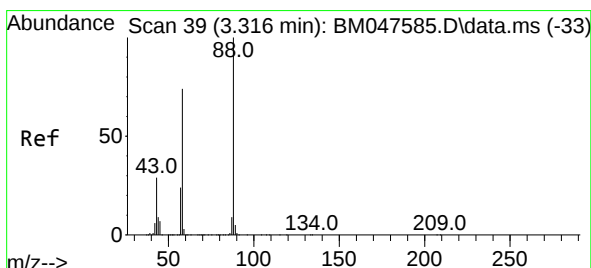
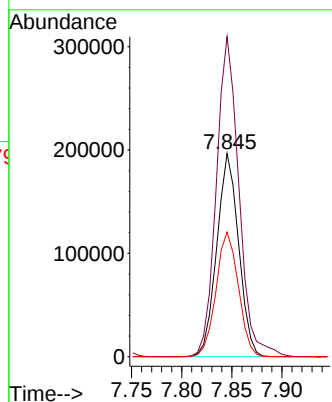
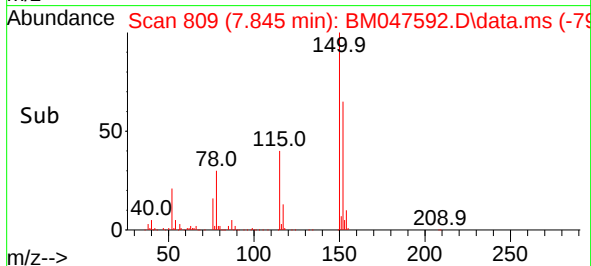
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ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:152 Resp: 297142
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 61.4 49.9 74.9

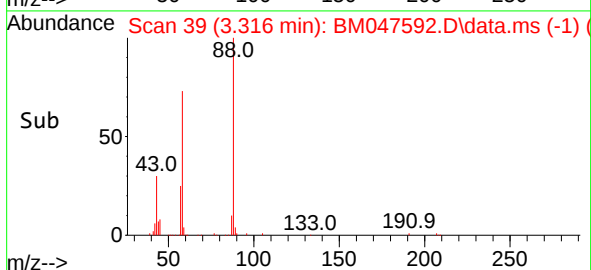
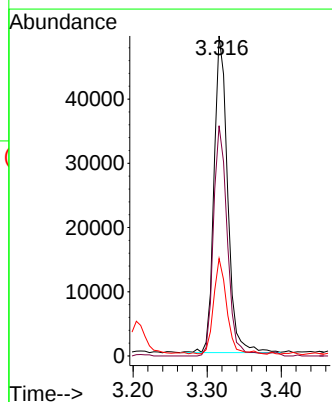
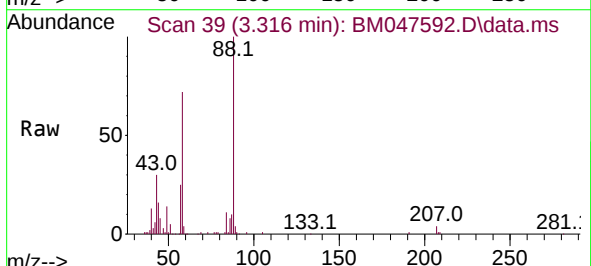
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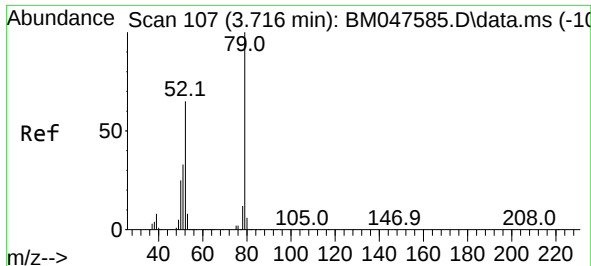
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#2
1,4-Dioxane
Concen: 7.453 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

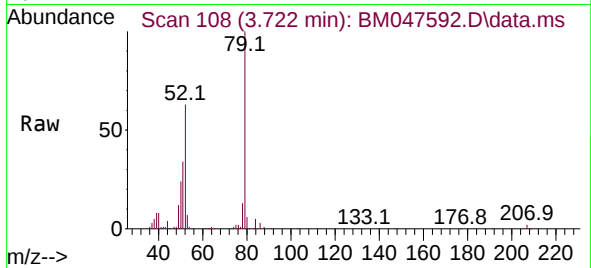
Tgt Ion: 88 Resp: 62922
Ion Ratio Lower Upper
88 100
58 73.9 58.0 87.0
43 29.1 23.1 34.7





#3
Pyridine
Concen: 6.327 ng
RT: 3.722 min Scan# 107
Delta R.T. 0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

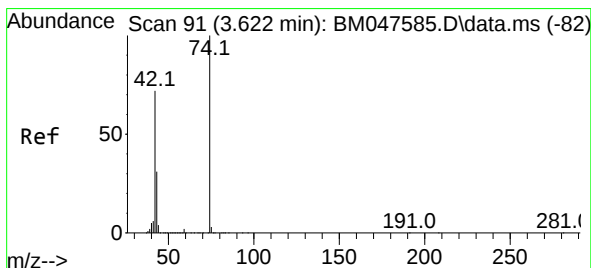
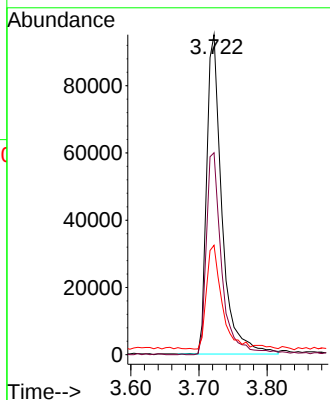
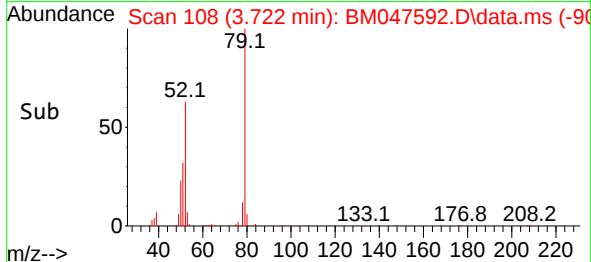
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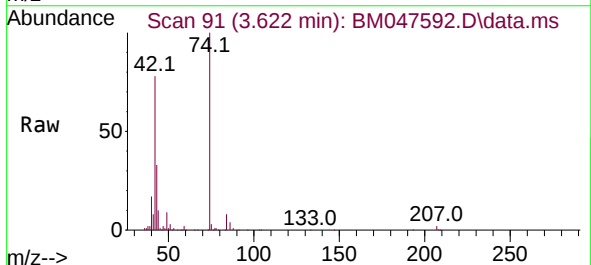
Tgt Ion: 79 Resp: 148064
Ion Ratio Lower Upper
79 100
52 63.1 52.2 78.2
51 34.2 26.5 39.7

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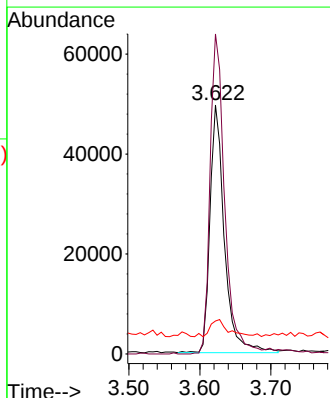
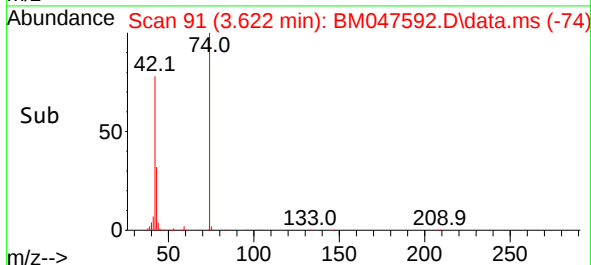
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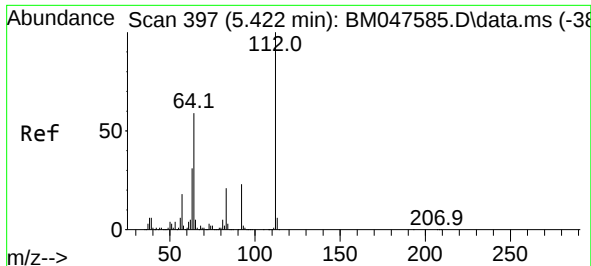


#4
n-Nitrosodimethylamine
Concen: 7.206 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



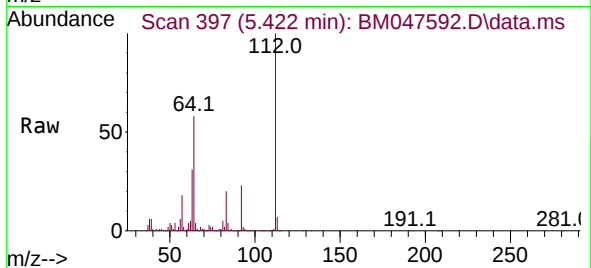
Tgt Ion: 42 Resp: 69928
Ion Ratio Lower Upper
42 100
74 128.5 110.8 166.2
44 13.2 6.1 9.1#





#5
2-Fluorophenol
Concen: 116.131 ng
RT: 5.422 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

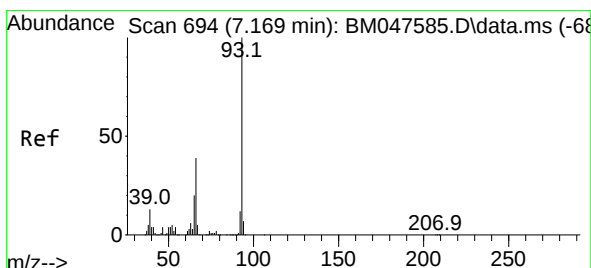
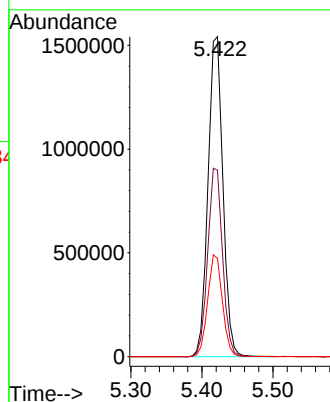
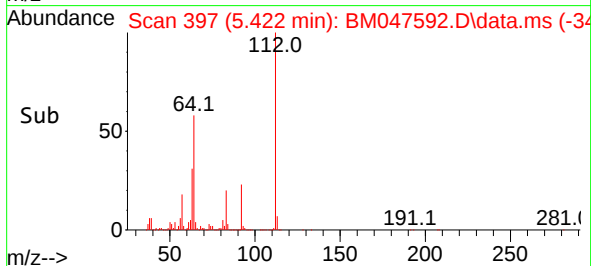
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Tgt Ion: 112 Resp: 225178
Ion Ratio Lower Upper
112 100
64 58.2 46.8 70.2
63 30.7 25.2 37.8

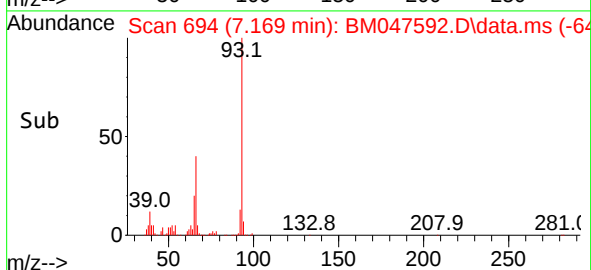
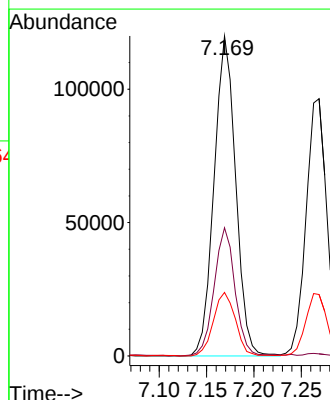
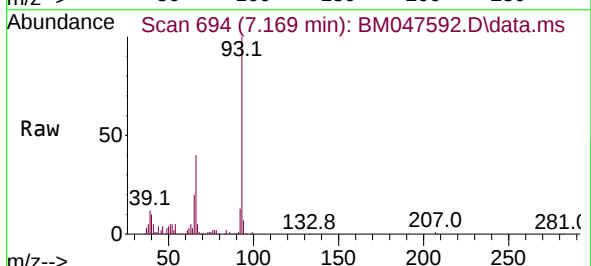
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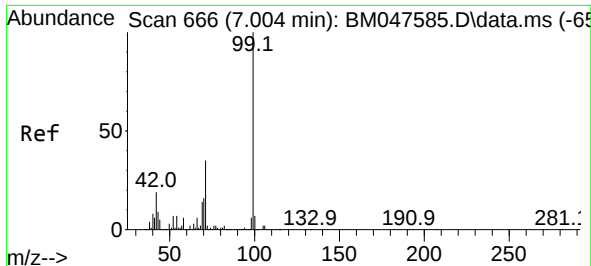
Reviewed By :Yogesh Patel 09/21/2024
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#6
Aniline
Concen: 8.687 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

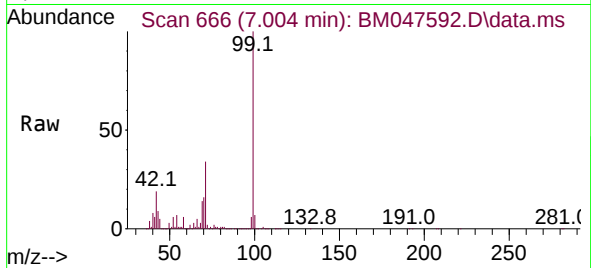
Tgt Ion: 93 Resp: 190136
Ion Ratio Lower Upper
93 100
66 40.1 31.4 47.0
65 19.8 16.2 24.2





#7
Phenol-d6
Concen: 115.157 ng
RT: 7.004 min Scan# 666
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

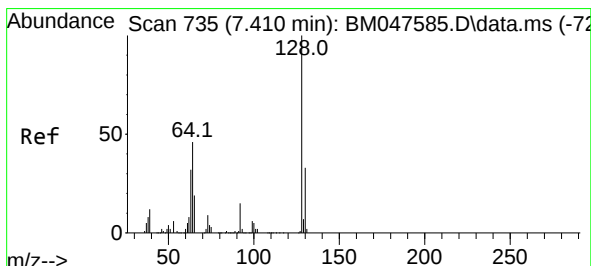
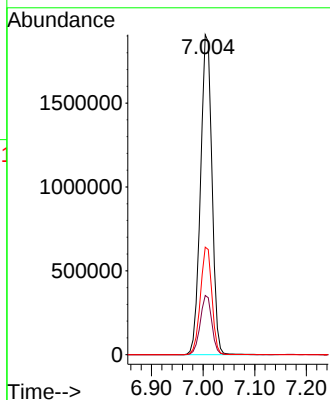
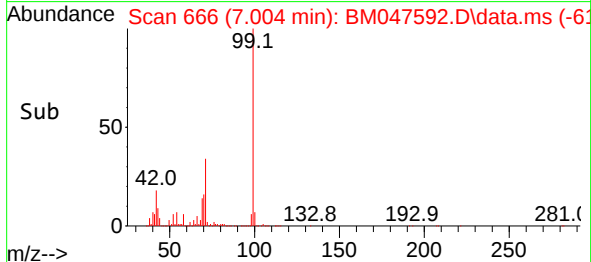
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Tgt Ion: 99 Resp: 2942130
Ion Ratio Lower Upper
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42 18.5 15.3 22.9
71 33.6 27.8 41.6

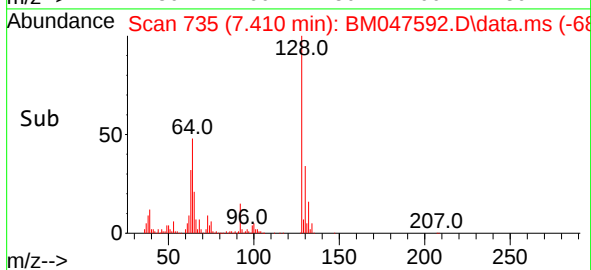
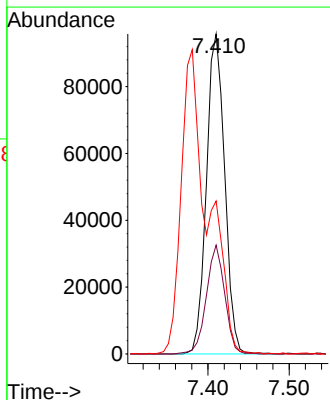
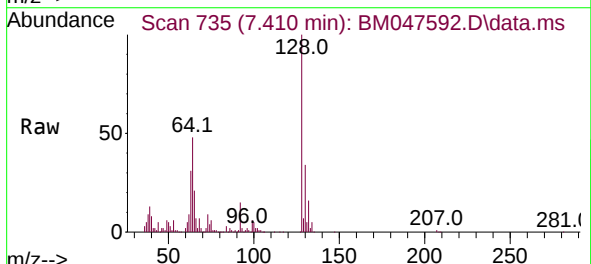
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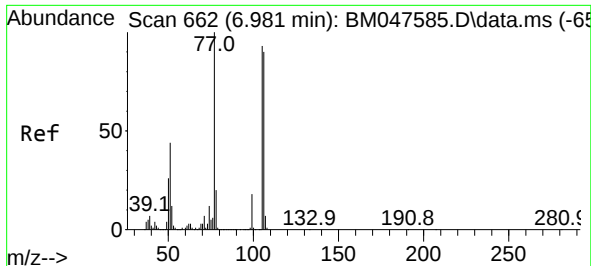
Reviewed By :Yogesh Patel 09/21/2024
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#8
2-Chlorophenol
Concen: 7.351 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.000 min
Lab File: BM047592.D
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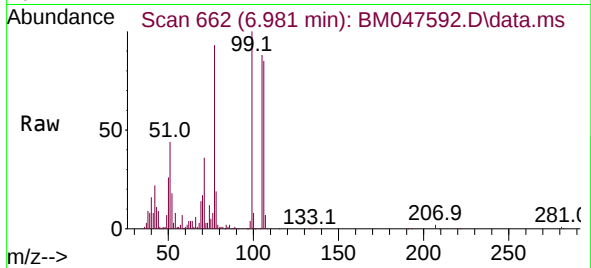
Tgt Ion:128 Resp: 149228
Ion Ratio Lower Upper
128 100
130 34.0 12.6 52.6
64 47.8 27.6 67.6





#9
Benzaldehyde
Concen: 10.668 ng m
RT: 6.981 min Scan# 662
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

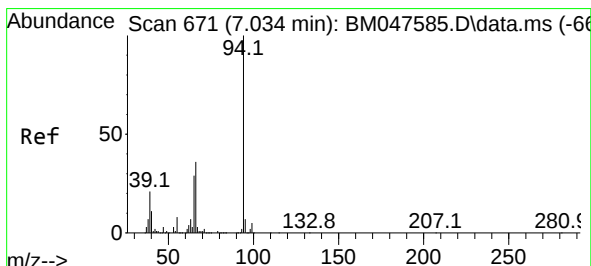
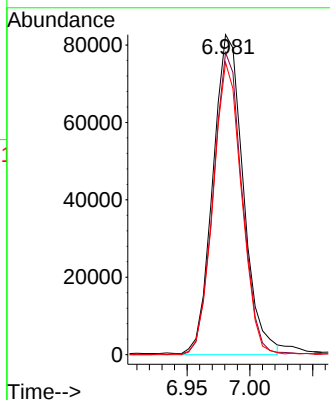
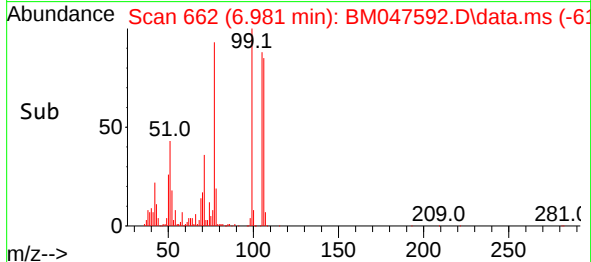
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 77 Resp: 139088
Ion Ratio Lower Upper
77 100
105 94.4 73.0 113.0
106 91.4 70.3 110.3

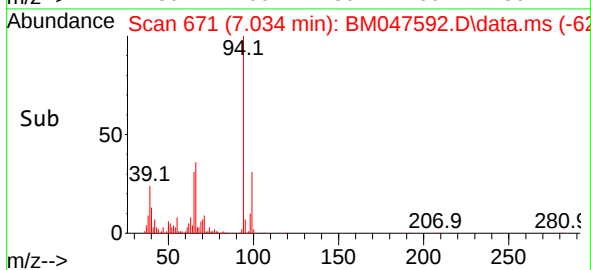
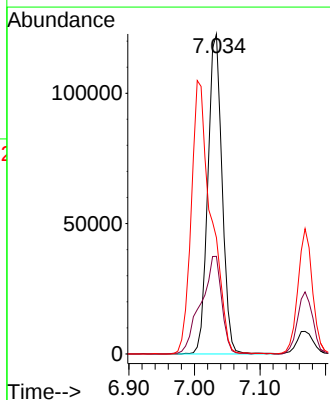
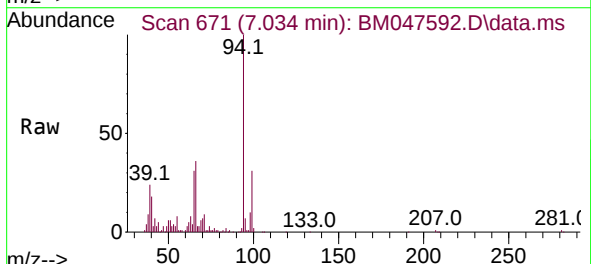
Manual Integrations
APPROVED

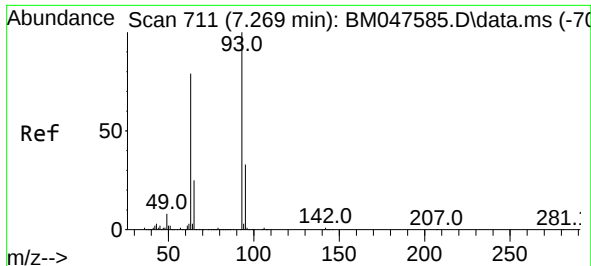
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#10
Phenol
Concen: 7.294 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

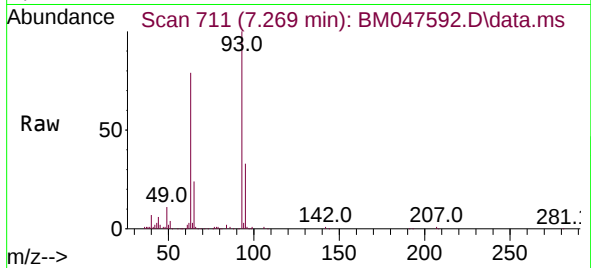
Tgt Ion: 94 Resp: 185025
Ion Ratio Lower Upper
94 100
65 30.5 9.1 49.1
66 36.3 16.5 56.5





#11
bis(2-Chloroethyl)ether
Concen: 7.145 ng
RT: 7.269 min Scan# 711
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

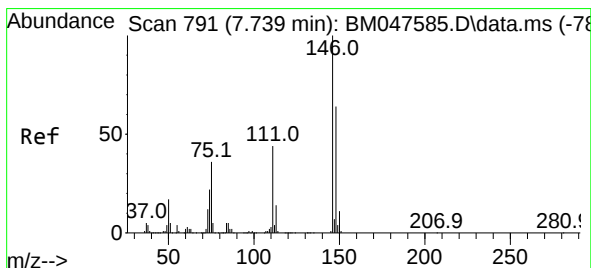
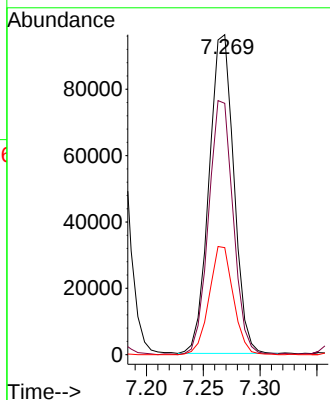
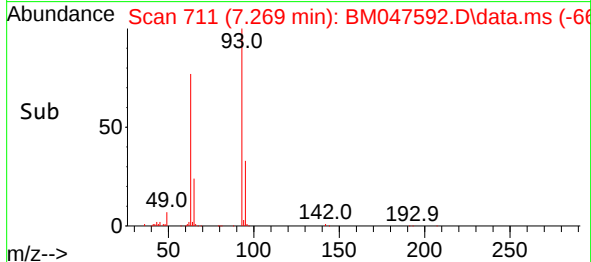
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



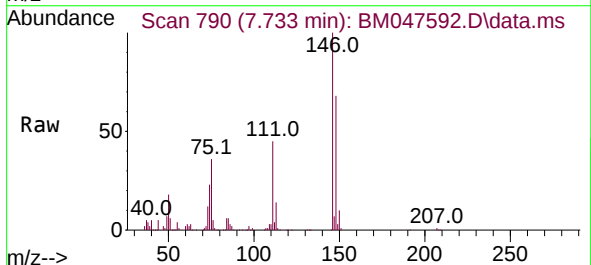
Tgt Ion: 93 Resp: 145670
Ion Ratio Lower Upper
93 100
63 78.6 58.5 98.5
95 33.5 12.9 52.9

Manual Integrations
APPROVED

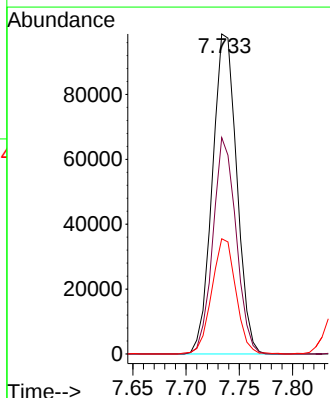
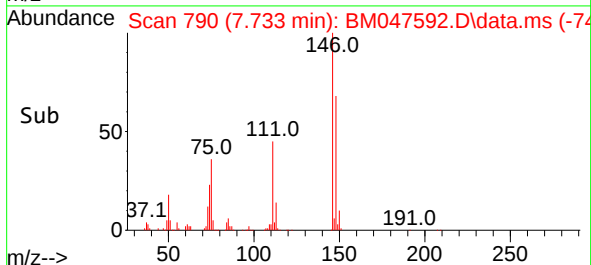
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

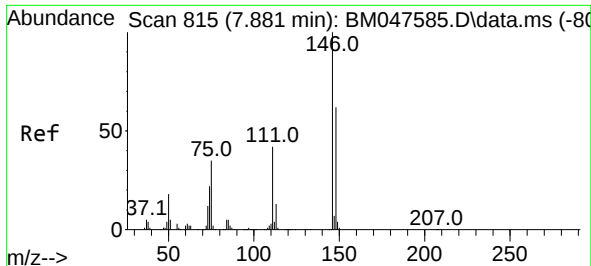


#12
1,3-Dichlorobenzene
Concen: 7.001 ng
RT: 7.733 min Scan# 790
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:146 Resp: 157172
Ion Ratio Lower Upper
146 100
148 67.6 51.4 77.2
75 36.0 28.4 42.6





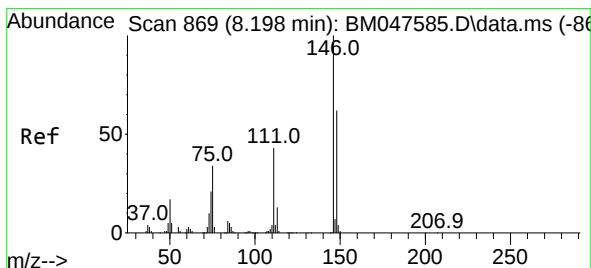
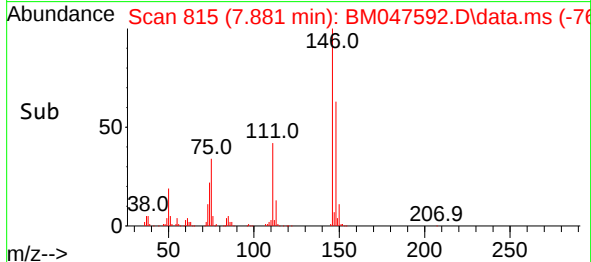
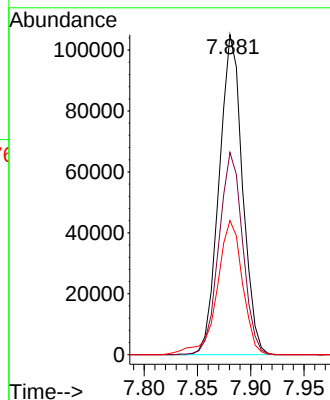
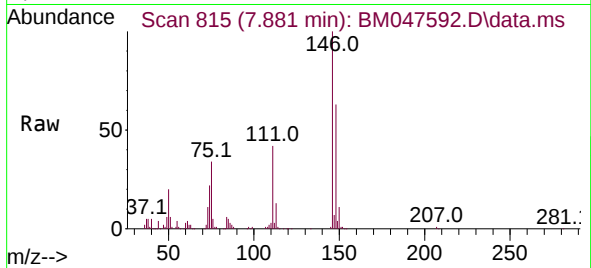
#13
1,4-Dichlorobenzene
Concen: 7.041 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion:146 Resp: 159934
Ion Ratio Lower Upper
146 100
148 63.2 49.8 74.6
111 41.9 33.3 49.9

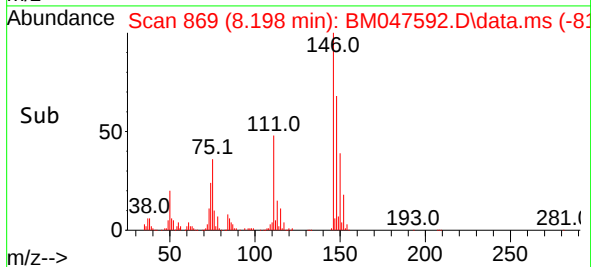
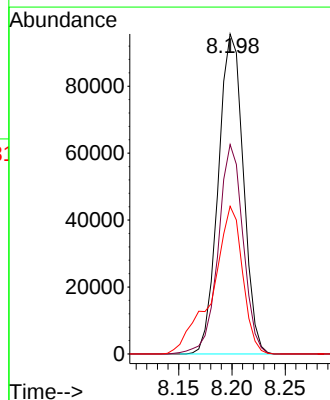
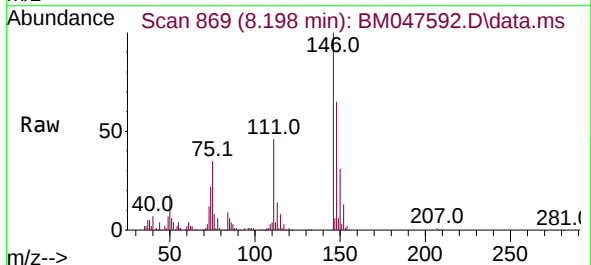
Manual Integrations
APPROVED

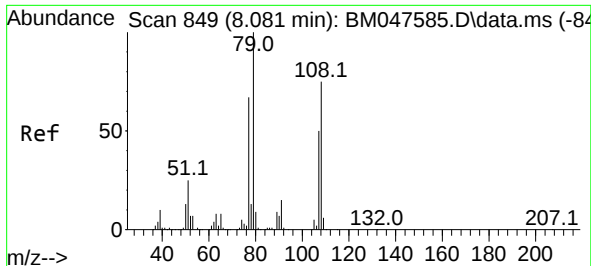
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#14
1,2-Dichlorobenzene
Concen: 7.119 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

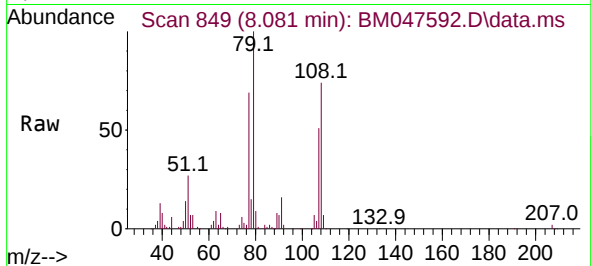
Tgt Ion:146 Resp: 155874
Ion Ratio Lower Upper
146 100
148 65.5 49.7 74.5
111 46.1 34.8 52.2





#15
Benzyl Alcohol
Concen: 7.003 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

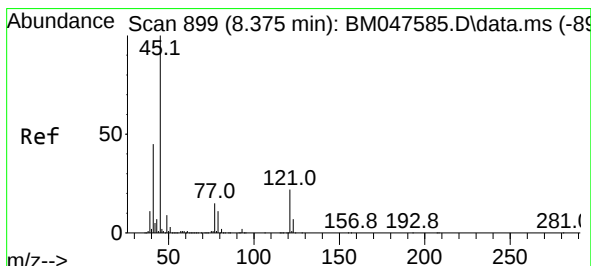
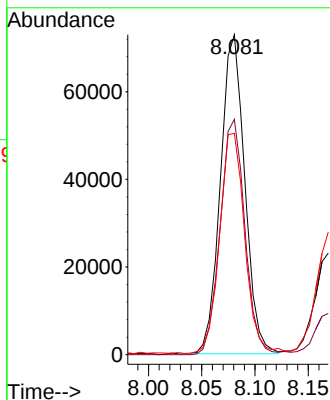
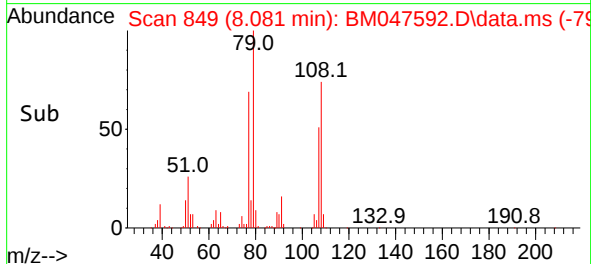
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



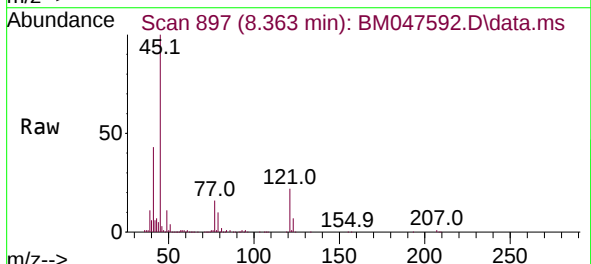
Tgt Ion: 79 Resp: 11544
Ion Ratio Lower Upper
79 100
108 73.5 60.2 90.2
77 69.2 53.9 80.9

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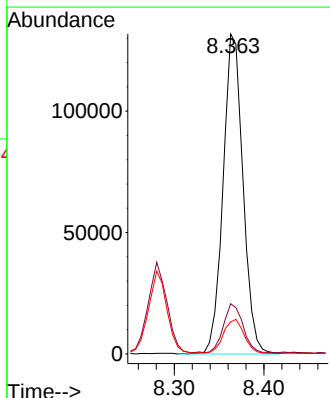
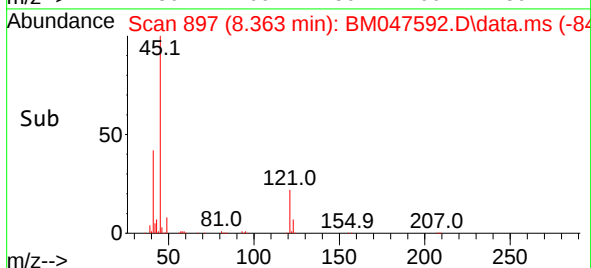
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

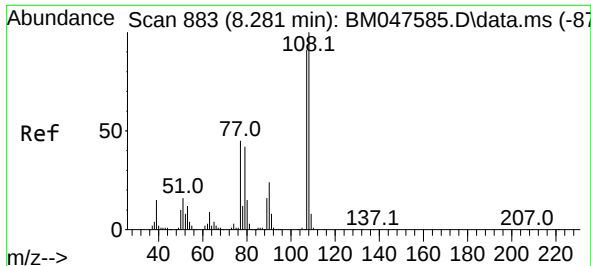


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.810 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



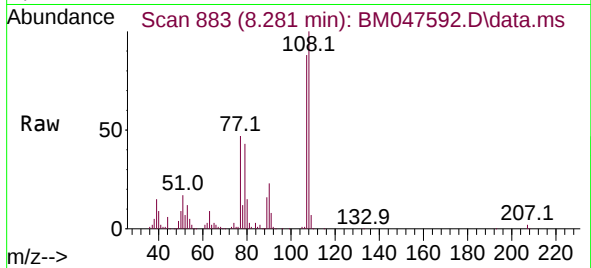
Tgt Ion: 45 Resp: 202973
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.5
79 10.0 0.0 31.6





#17
2-Methylphenol
Concen: 6.837 ng
RT: 8.281 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

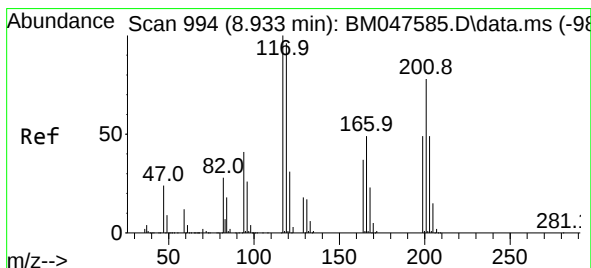
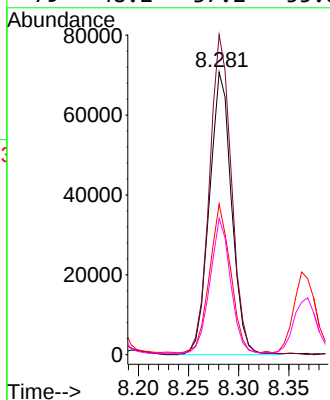
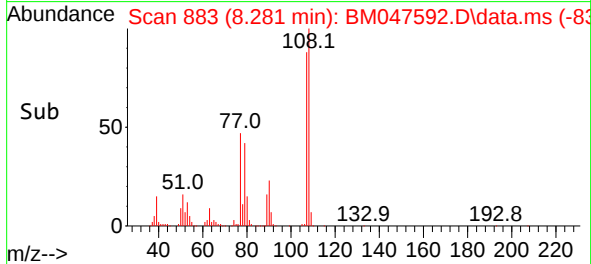
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



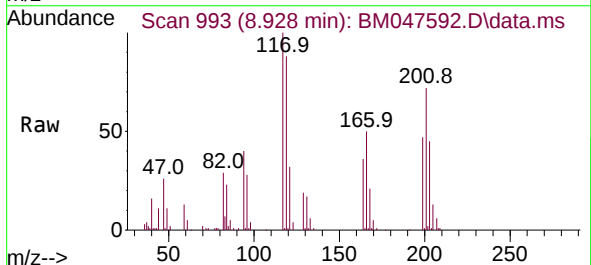
Tgt Ion:107 Resp: 109004
Ion Ratio Lower Upper
107 100
108 113.3 87.8 131.6
77 53.4 39.6 59.4
79 48.2 37.2 55.8

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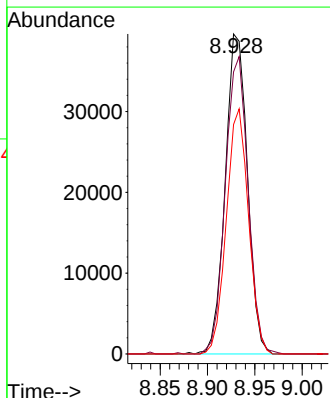
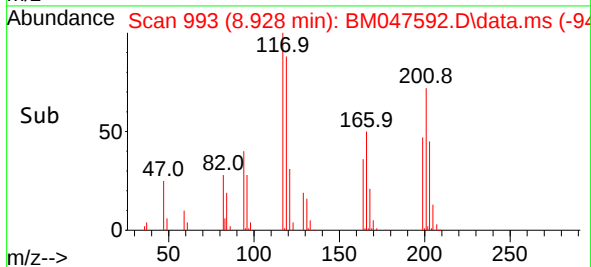
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

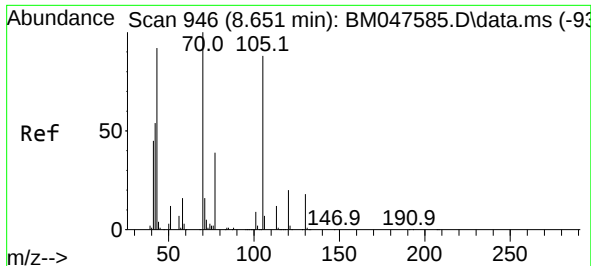


#18
Hexachloroethane
Concen: 7.030 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



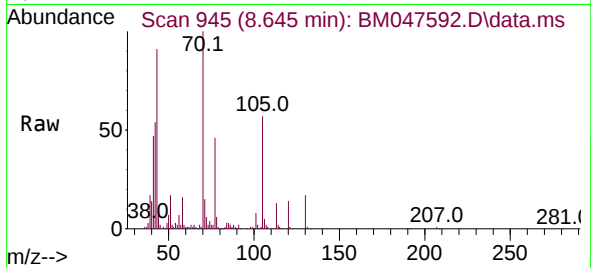
Tgt Ion:117 Resp: 64751
Ion Ratio Lower Upper
117 100
119 88.2 77.2 115.8
201 71.7 62.3 93.5





#19
n-Nitroso-di-n-propylamine
Concen: 6.810 ng
RT: 8.645 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

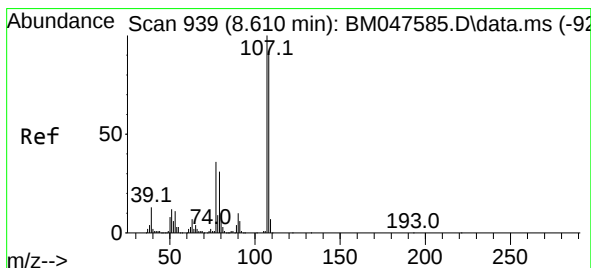
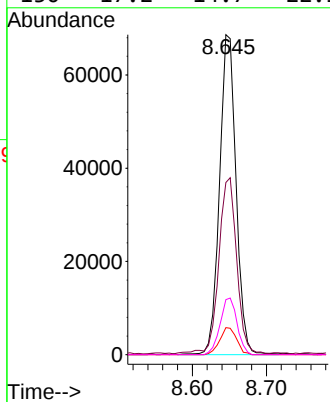
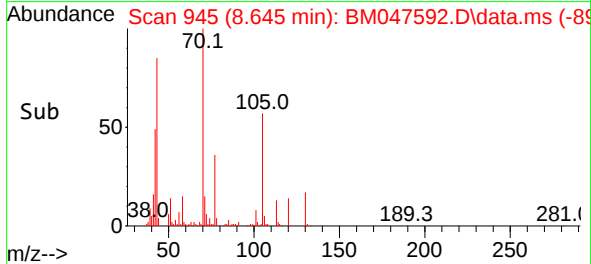
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 70 Resp: 106572
Ion Ratio Lower Upper
70 100
42 53.8 44.2 66.2
101 8.4 7.0 10.4
130 17.2 14.7 22.1

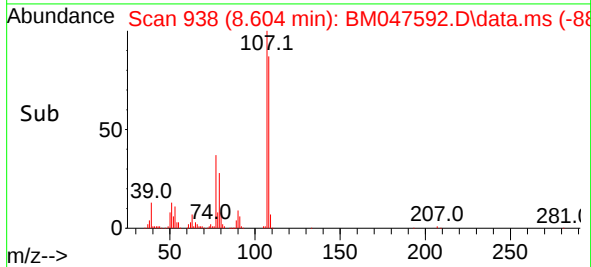
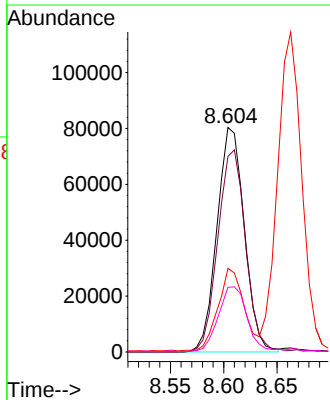
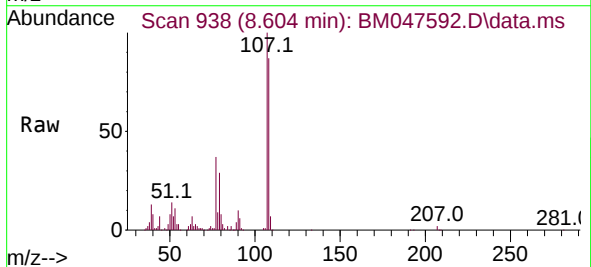
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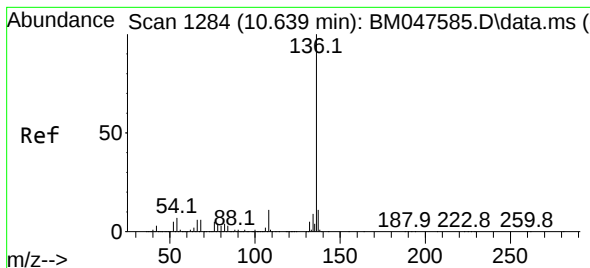
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#20
3+4-Methylphenols
Concen: 6.611 ng
RT: 8.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

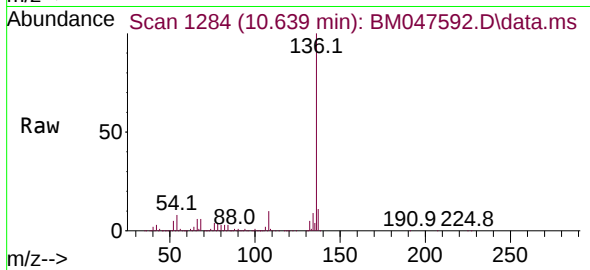
Tgt Ion:107 Resp: 143563
Ion Ratio Lower Upper
107 100
108 87.1 71.8 111.8
77 37.2 16.1 56.1
79 28.8 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

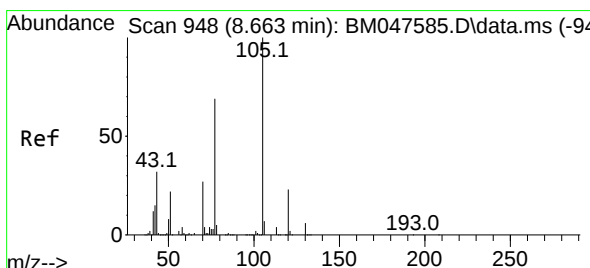
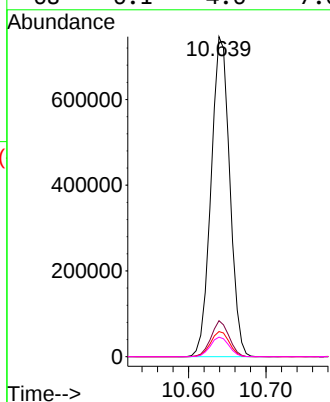
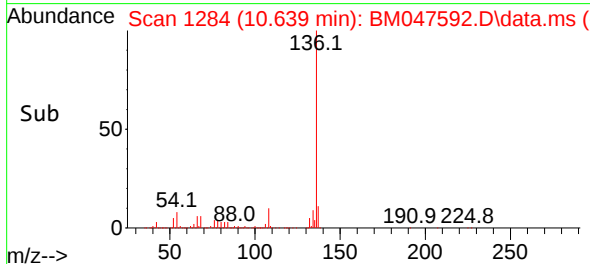
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:136 Resp: 1249099
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 7.8 6.0 9.0
68 6.1 4.6 7.0

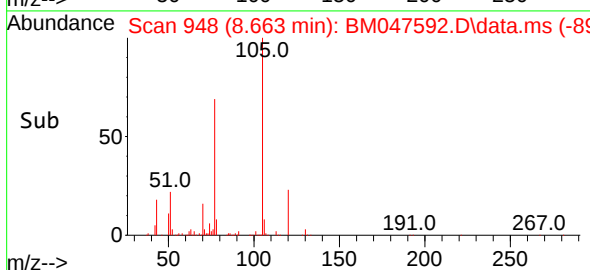
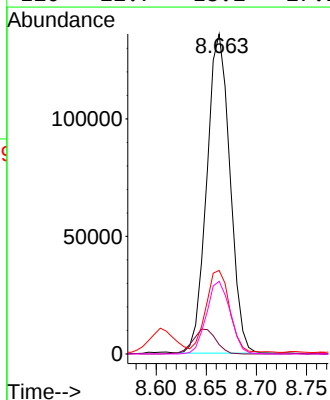
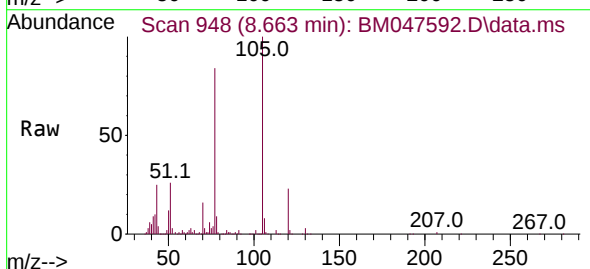
Manual Integrations
APPROVED

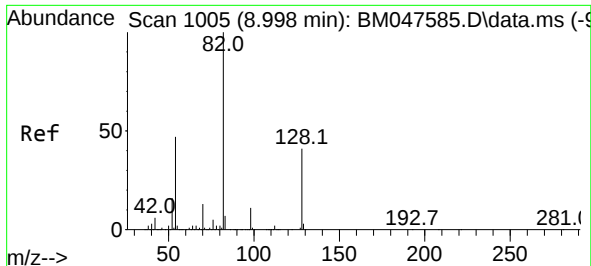
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#22
Acetophenone
Concen: 6.715 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

Tgt Ion:105 Resp: 218522
Ion Ratio Lower Upper
105 100
71 2.9 3.4 5.2#
51 26.1 21.4 32.2
120 22.7 18.2 27.2





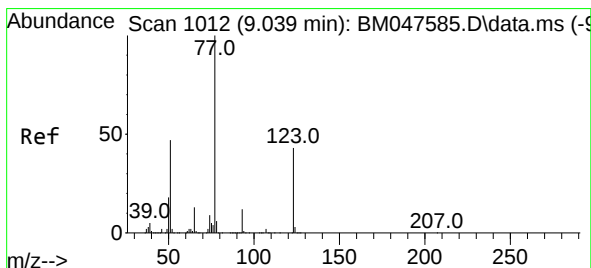
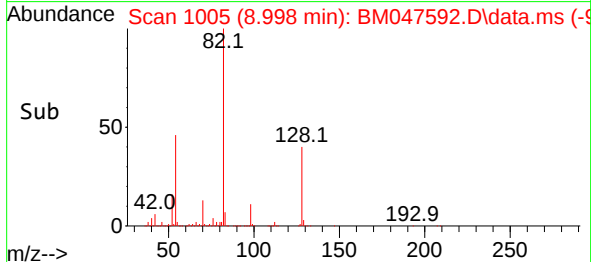
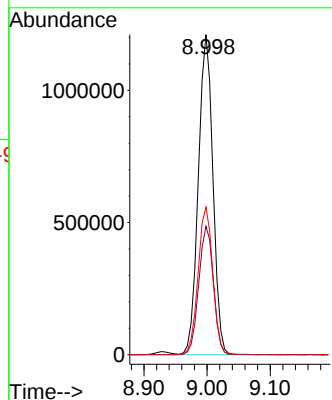
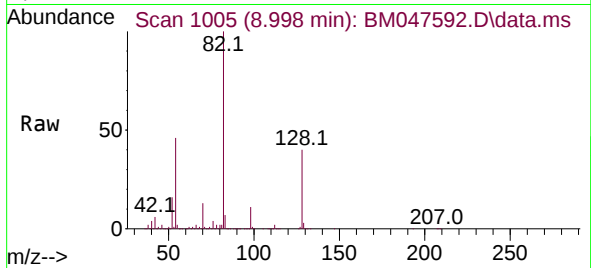
#23
Nitrobenzene-d5
Concen: 77.145 ng
RT: 8.998 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion: 82 Resp: 1935729
Ion Ratio Lower Upper
82 100
128 40.1 32.5 48.7
54 46.1 37.5 56.3

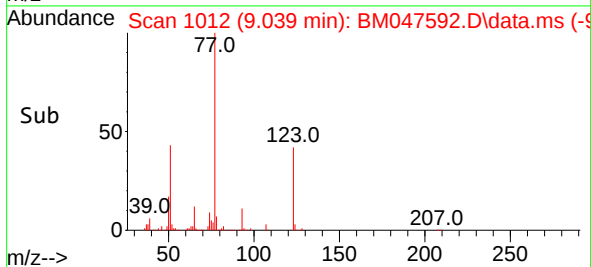
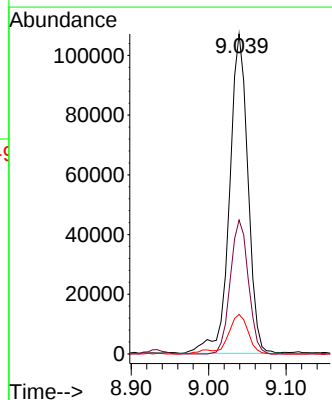
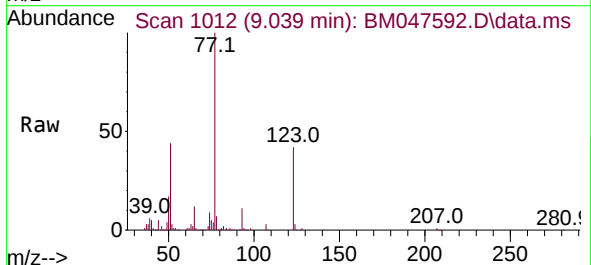
Manual Integrations
APPROVED

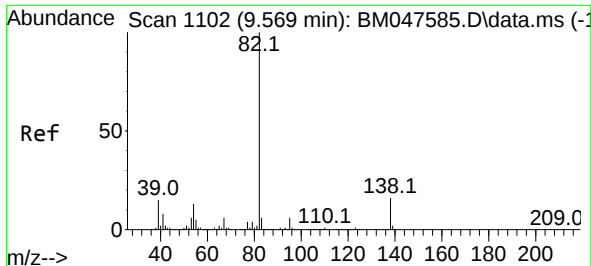
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#24
Nitrobenzene
Concen: 6.823 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

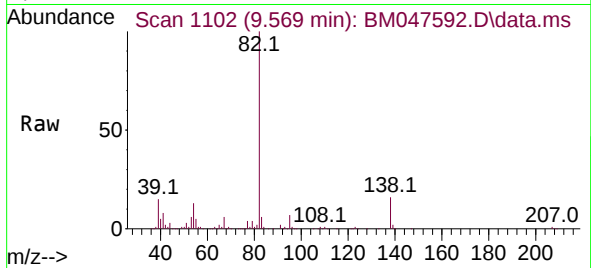
Tgt Ion: 77 Resp: 176822
Ion Ratio Lower Upper
77 100
123 41.9 34.1 51.1
65 12.3 10.7 16.1





#25
Isophorone
Concen: 6.443 ng
RT: 9.569 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

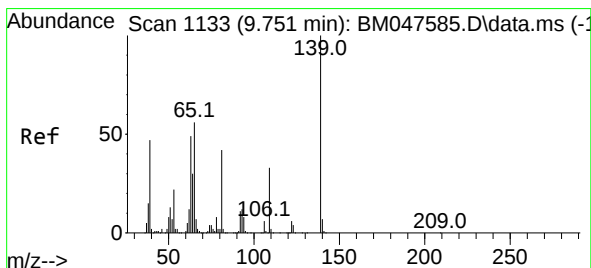
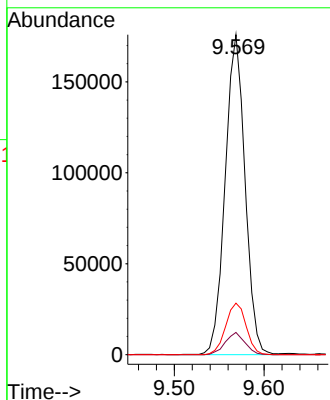
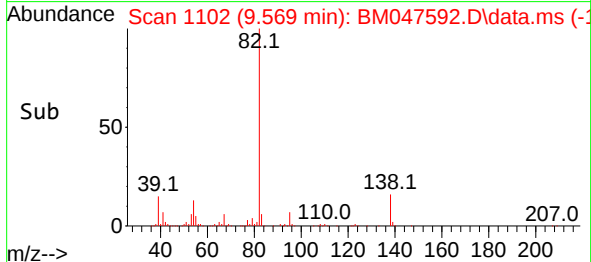
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 82 Resp: 270170
Ion Ratio Lower Upper
82 100
95 7.0 5.0 7.6
138 16.1 12.9 19.3

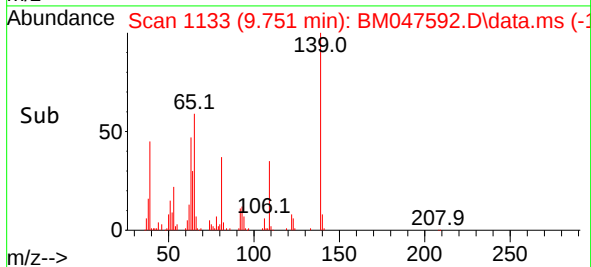
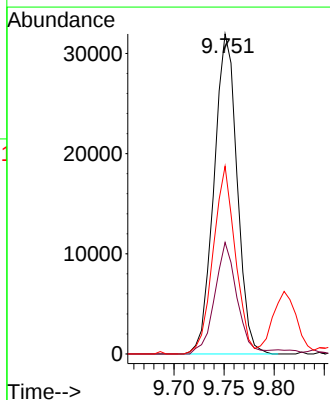
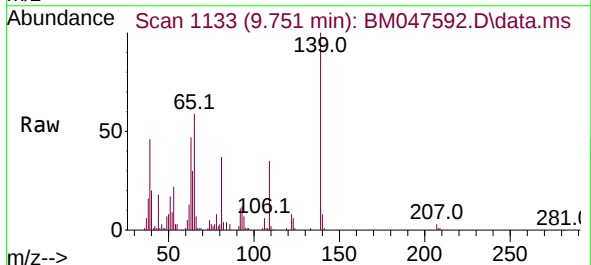
Manual Integrations
APPROVED

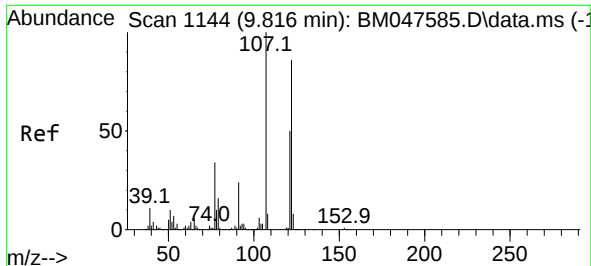
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#26
2-Nitrophenol
Concen: 5.615 ng
RT: 9.751 min Scan# 1133
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

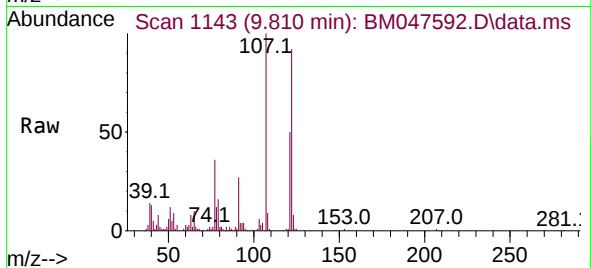
Tgt Ion:139 Resp: 51167
Ion Ratio Lower Upper
139 100
109 34.9 26.1 39.1
65 58.7 44.7 67.1





#27
2,4-Dimethylphenol
Concen: 6.820 ng
RT: 9.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

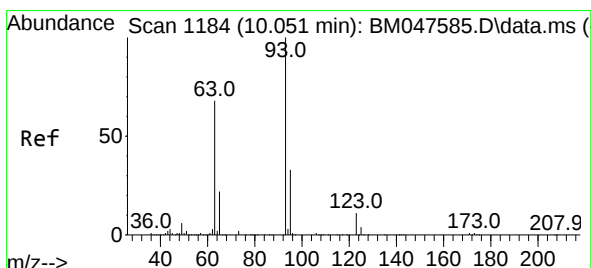
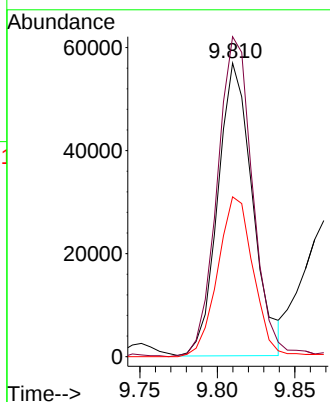
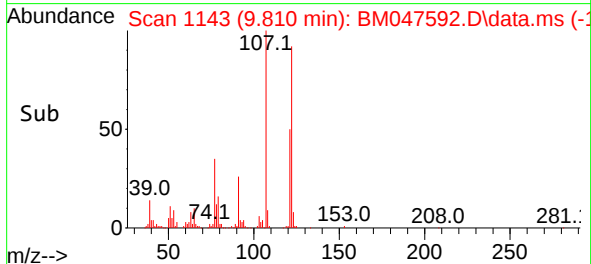
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:122 Resp: 88580
Ion Ratio Lower Upper
122 100
107 109.0 92.2 138.2
121 54.5 45.8 68.6

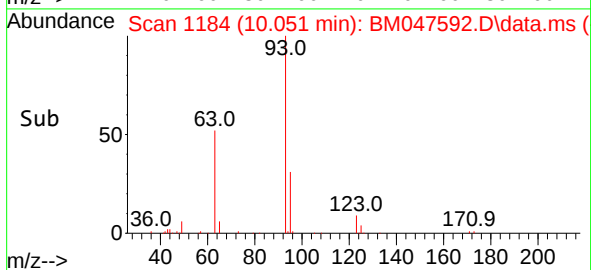
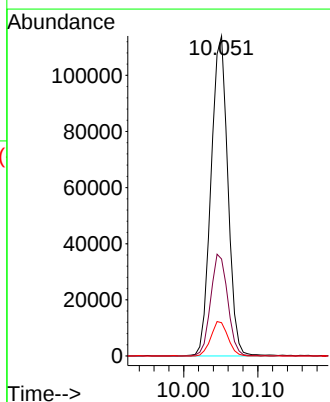
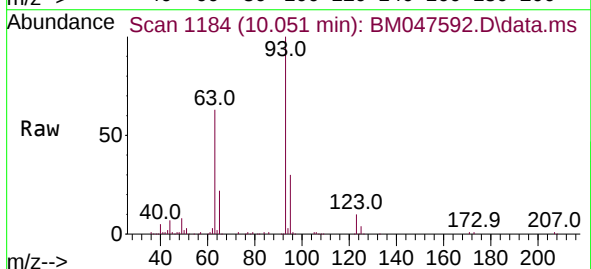
Manual Integrations
APPROVED

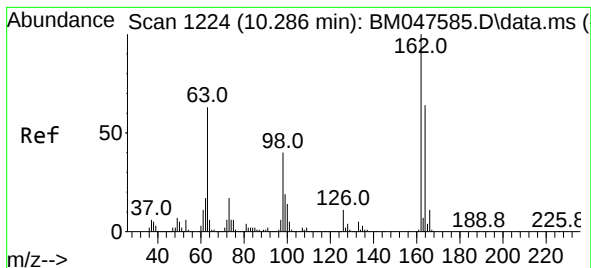
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 6.656 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

Tgt Ion: 93 Resp: 179561
Ion Ratio Lower Upper
93 100
95 30.3 26.2 39.4
123 10.4 9.0 13.4





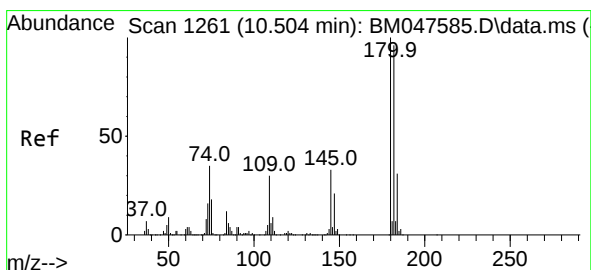
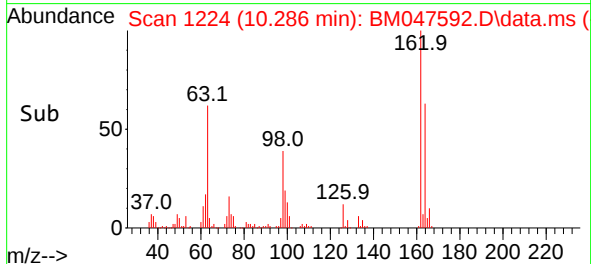
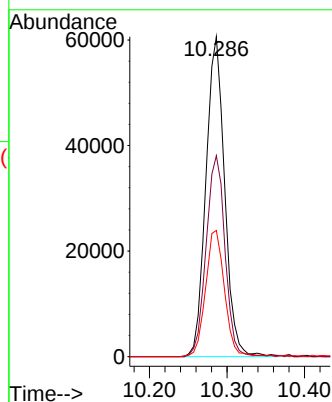
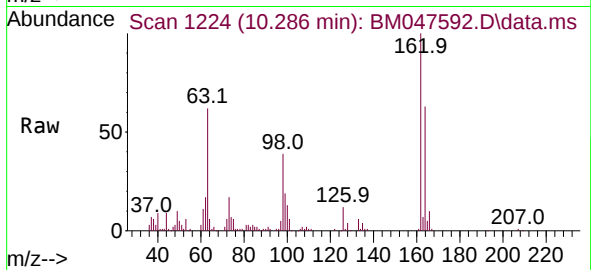
#29
2,4-Dichlorophenol
Concen: 6.203 ng
RT: 10.286 min Scan# 1224
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.9	83.9
98	39.4	20.3	60.3

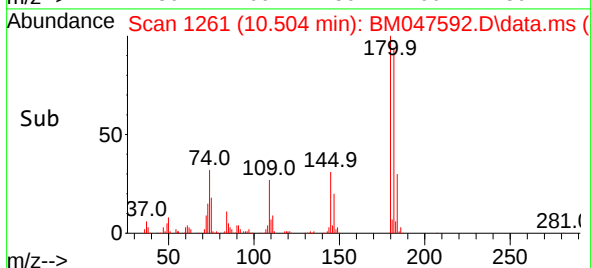
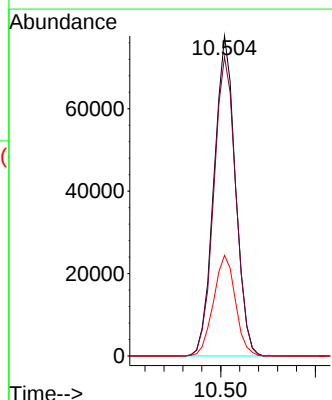
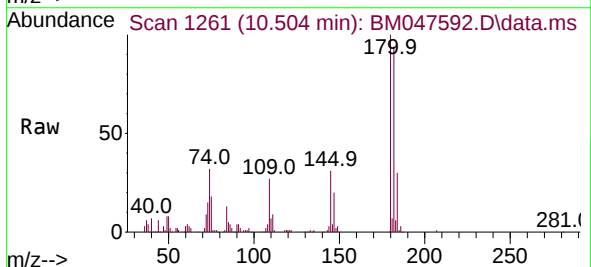
Manual Integrations
APPROVED

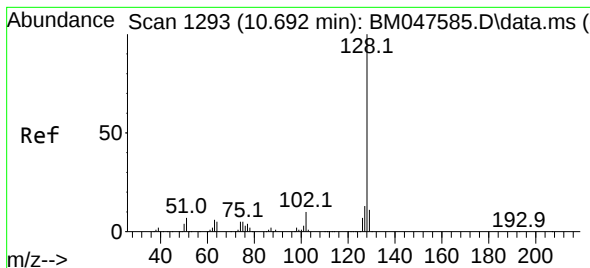
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 6.512 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

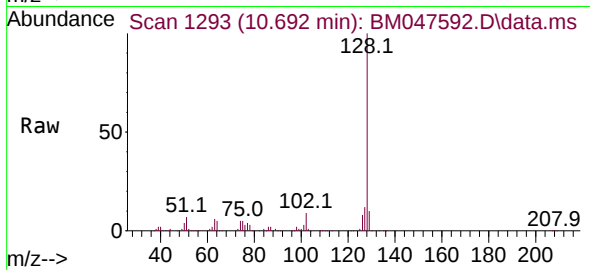
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.6	115.0
145	31.5	26.2	39.2





#31
Naphthalene
Concen: 6.580 ng
RT: 10.692 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

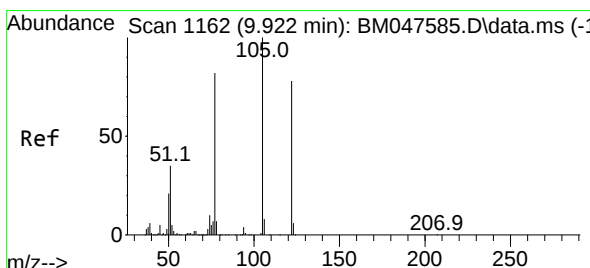
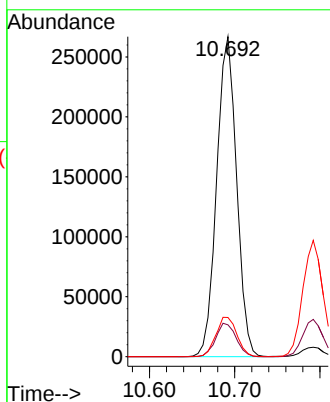
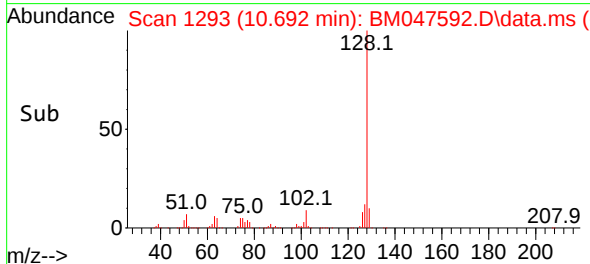
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:128 Resp: 43482
Ion Ratio Lower Upper
128 100
129 10.0 8.8 13.2
127 12.3 10.3 15.5

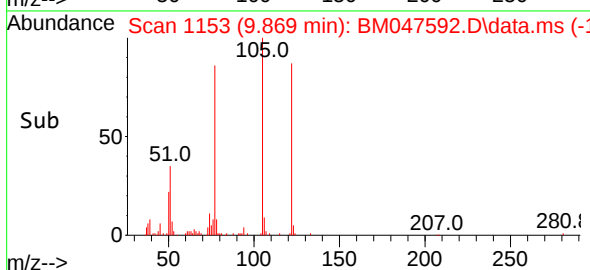
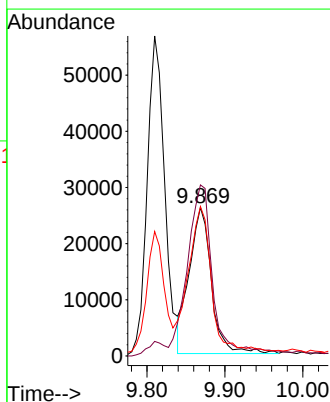
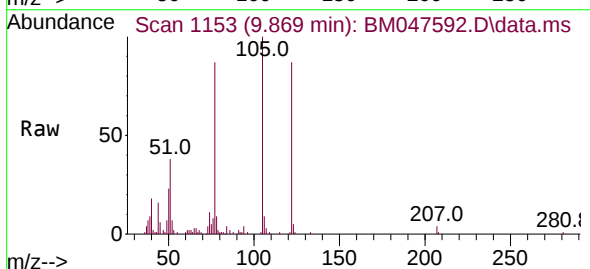
Manual Integrations
APPROVED

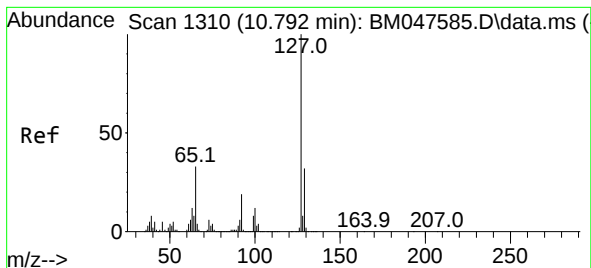
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#32
Benzoic acid
Concen: 4.267 ng m
RT: 9.869 min Scan# 1153
Delta R.T. -0.053 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

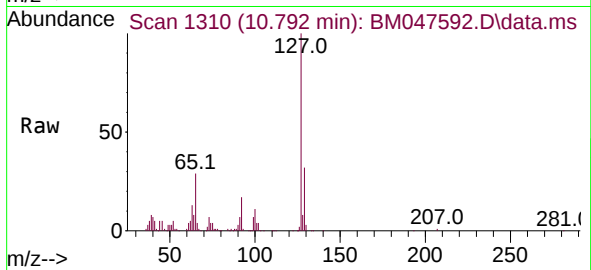
Tgt Ion:122 Resp: 51661
Ion Ratio Lower Upper
122 100
105 115.2 103.1 143.1
77 100.7 82.4 122.4





#33
4-Chloroaniline
Concen: 6.939 ng
RT: 10.792 min Scan# 1310
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

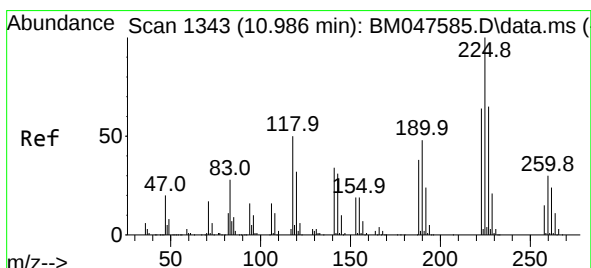
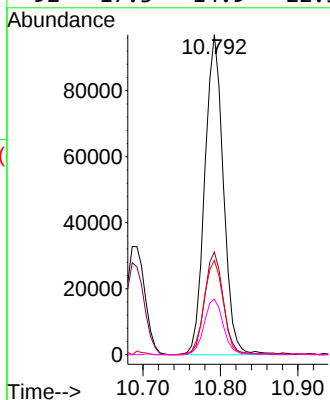
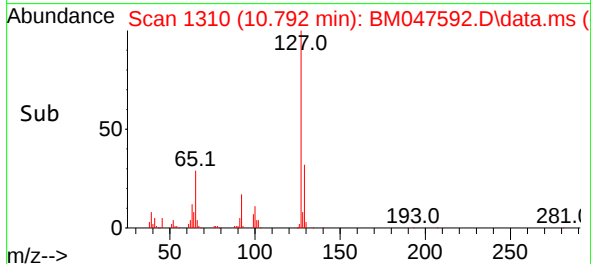
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



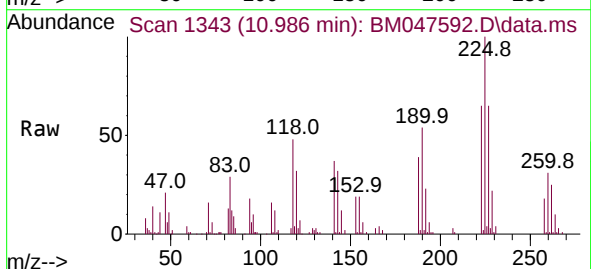
Tgt Ion:127 Resp: 16167
Ion Ratio Lower Upper
127 100
129 32.1 25.6 38.4
65 29.5 26.1 39.1
92 17.3 14.9 22.3

Manual Integrations
APPROVED

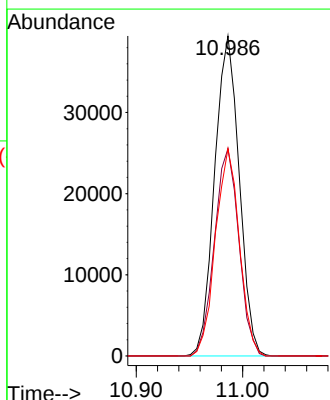
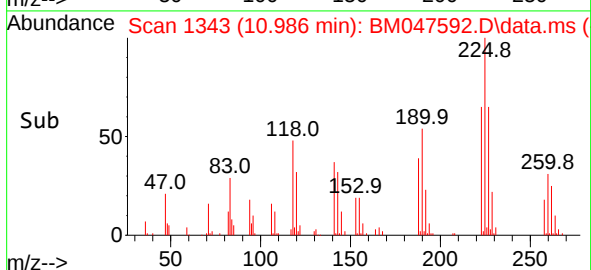
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

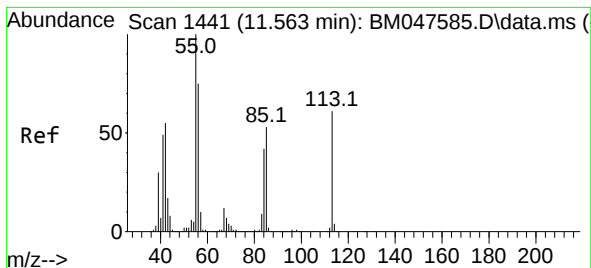


#34
Hexachlorobutadiene
Concen: 6.196 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



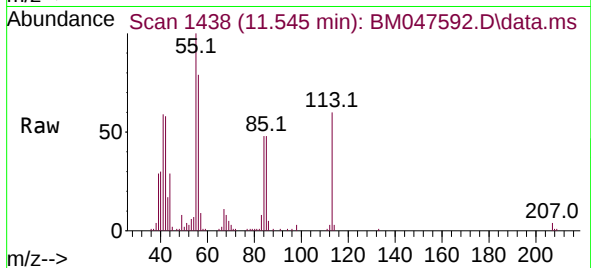
Tgt Ion:225 Resp: 63108
Ion Ratio Lower Upper
225 100
223 64.8 51.4 77.0
227 64.7 52.1 78.1





#35
Caprolactam
Concen: 5.377 ng
RT: 11.545 min Scan# 1441
Delta R.T. -0.018 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

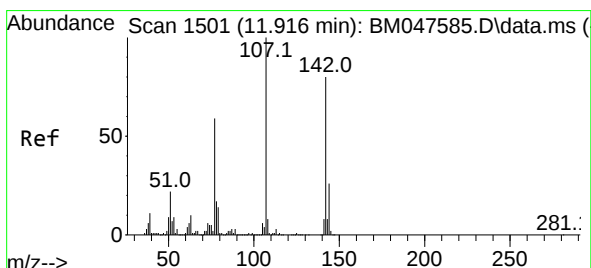
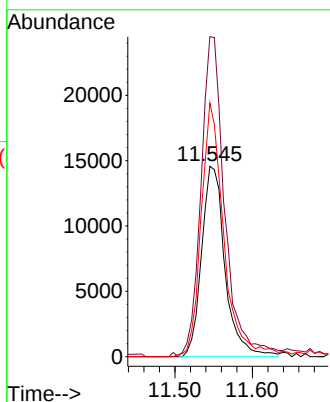
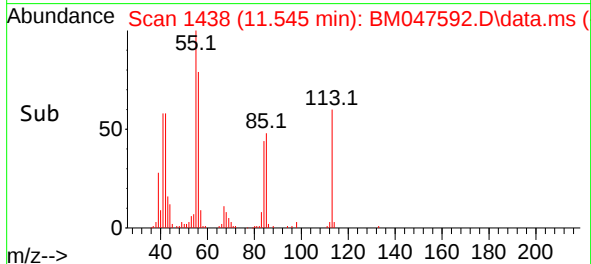
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:113 Resp: 3051
Ion Ratio Lower Upper
113 100
55 168.0 145.5 185.5
56 133.3 103.9 143.9

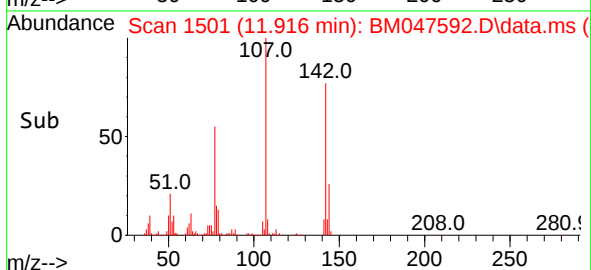
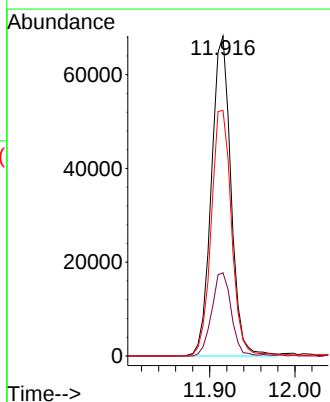
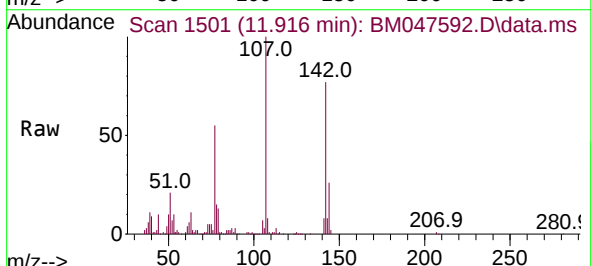
Manual Integrations
APPROVED

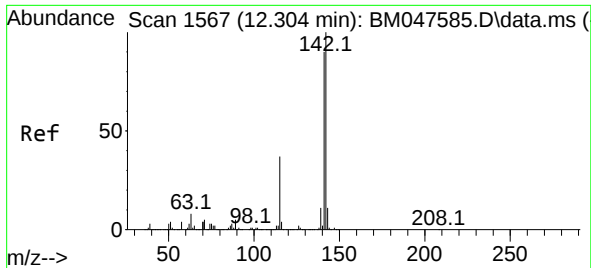
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#36
4-Chloro-3-methylphenol
Concen: 5.811 ng
RT: 11.916 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

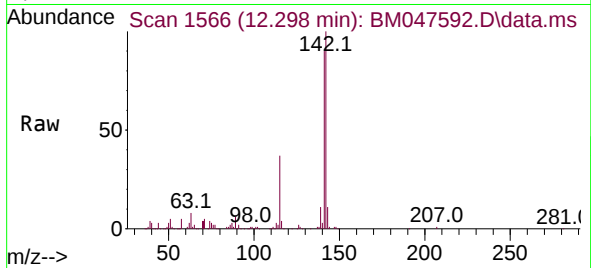
Tgt Ion:107 Resp: 108858
Ion Ratio Lower Upper
107 100
144 26.0 20.7 31.1
142 76.8 63.9 95.9





#37
2-Methylnaphthalene
Concen: 6.282 ng
RT: 12.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

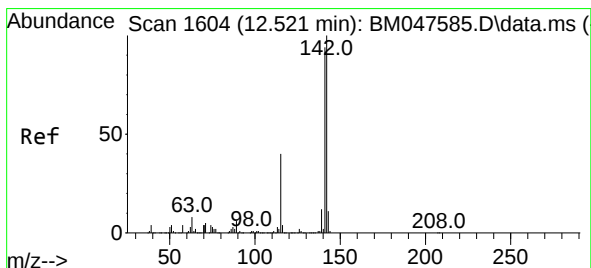
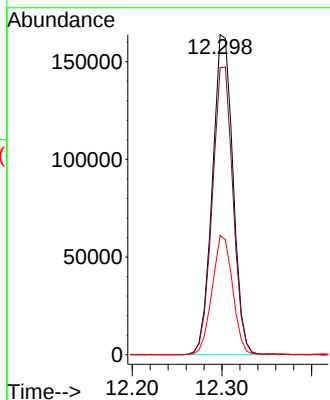
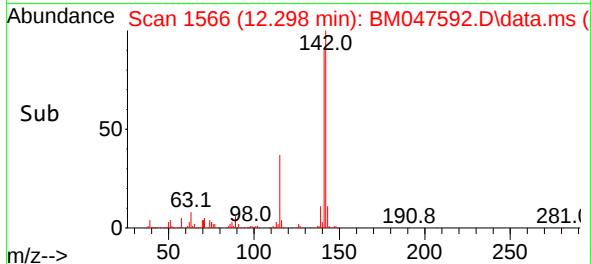
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:142 Resp: 260830
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 37.3 29.5 44.3

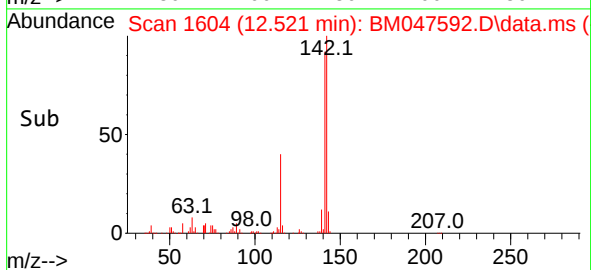
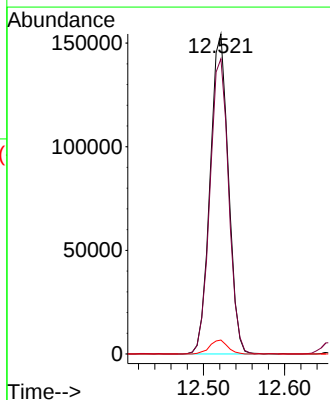
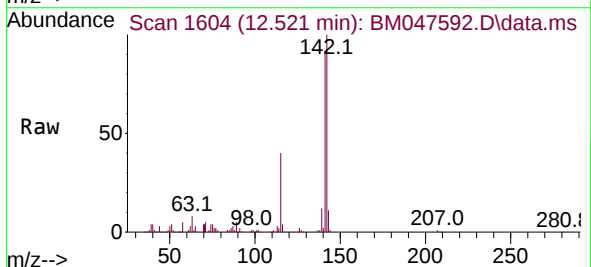
Manual Integrations
APPROVED

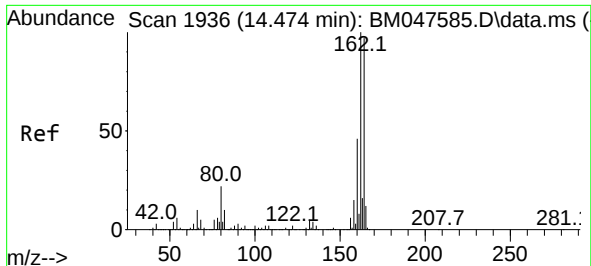
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#38
1-Methylnaphthalene
Concen: 5.875 ng
RT: 12.521 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

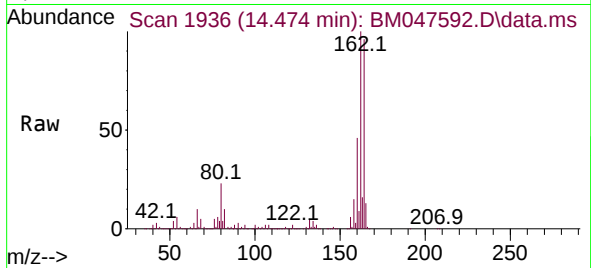
Tgt Ion:142 Resp: 241968
Ion Ratio Lower Upper
142 100
141 92.3 75.3 112.9
116 4.3 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

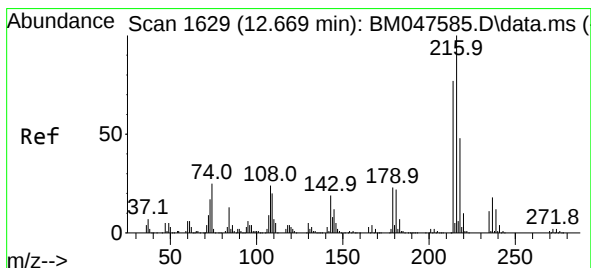
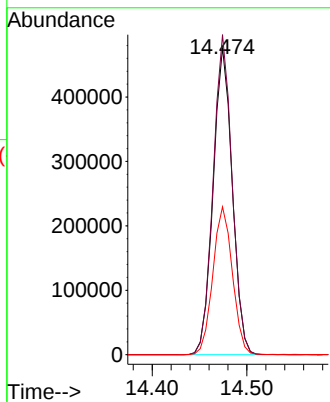
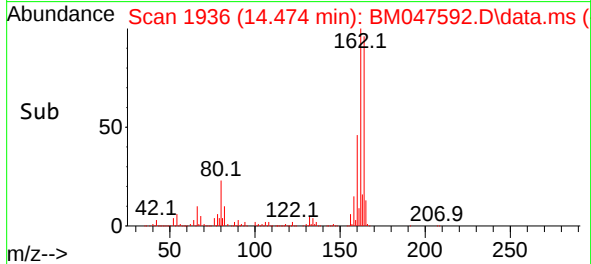
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



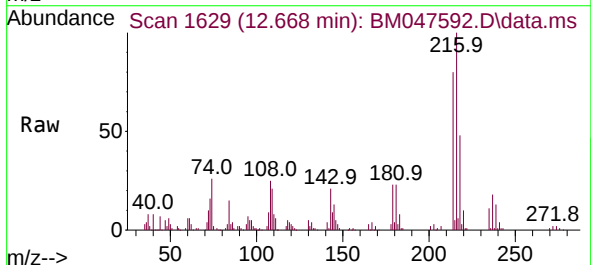
Tgt Ion:164 Resp: 669088
Ion Ratio Lower Upper
164 100
162 104.2 82.6 123.8
160 48.2 37.8 56.6

Manual Integrations
APPROVED

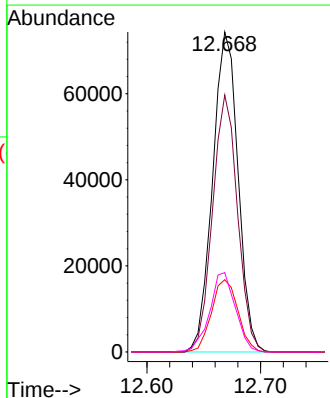
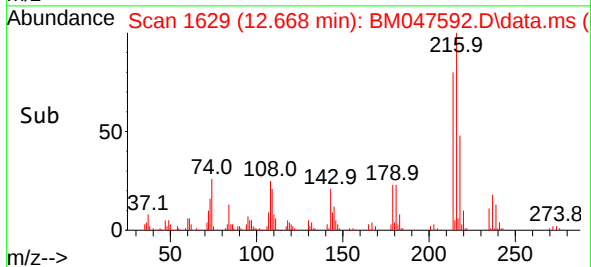
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

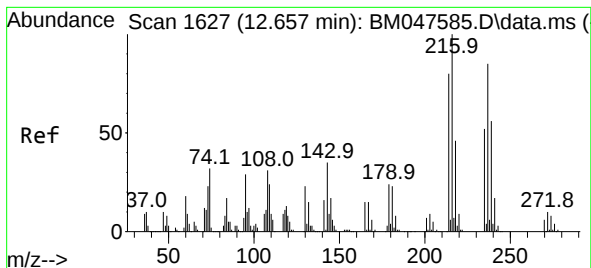


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.540 ng
RT: 12.668 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



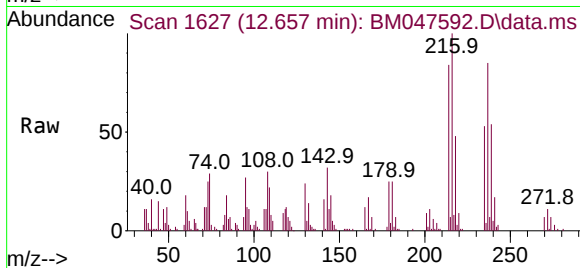
Tgt Ion:216 Resp: 115483
Ion Ratio Lower Upper
216 100
214 78.9 62.8 94.2
179 23.5 18.5 27.7
108 25.3 19.8 29.8





#41
Hexachlorocyclopentadiene
Concen: 7.695 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

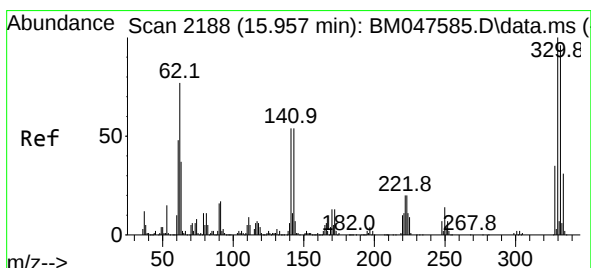
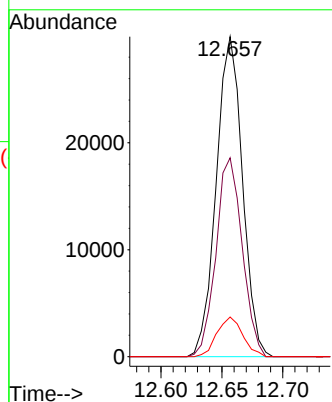
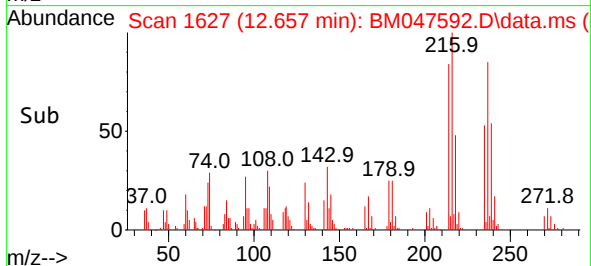
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



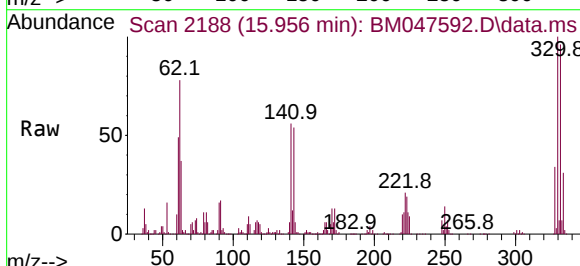
Tgt Ion:237 Resp: 44859
Ion Ratio Lower Upper
237 100
235 62.2 41.2 81.2
272 12.4 0.0 32.0

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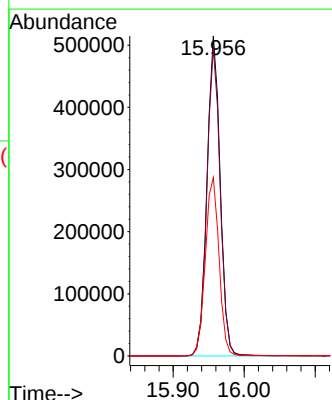
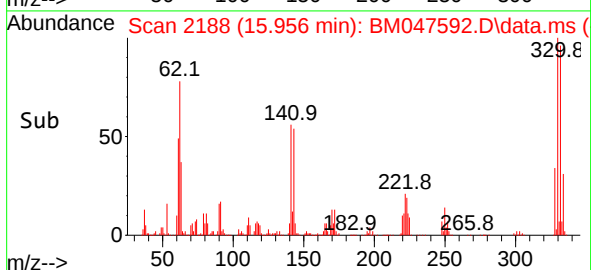
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

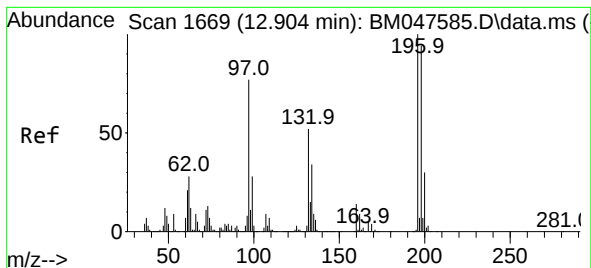


#42
2,4,6-Tribromophenol
Concen: 108.068 ng
RT: 15.956 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:330 Resp: 669544
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 57.9 45.9 68.9





#43

2,4,6-Trichlorophenol

Concen: 5.748 ng

RT: 12.910 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM047592.D

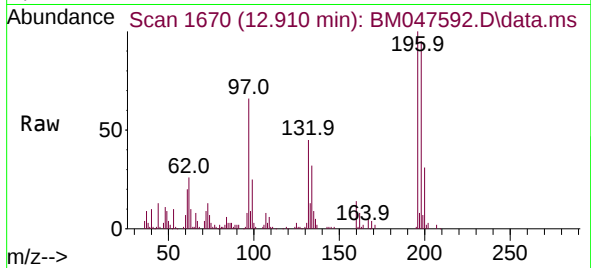
Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:196 Resp: 6595

Ion Ratio Lower Upper

196 100

198 94.8 75.5 113.3

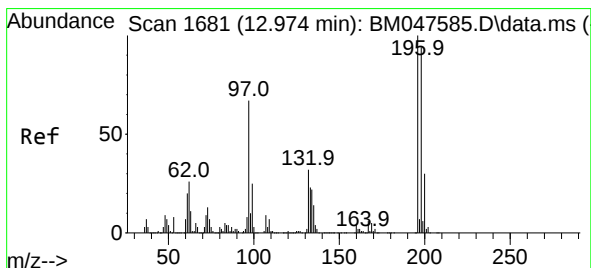
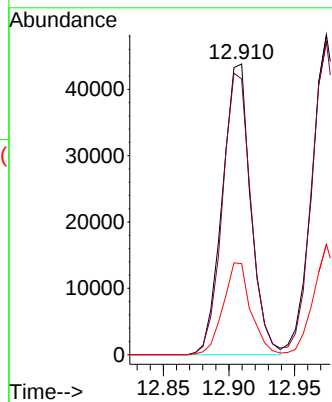
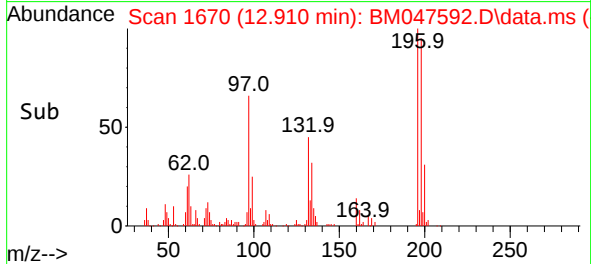
200 31.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#44

2,4,5-Trichlorophenol

Concen: 5.646 ng

RT: 12.974 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:196 Resp: 72821

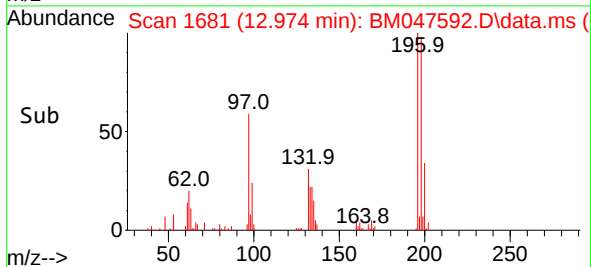
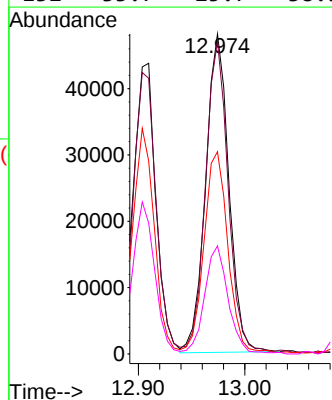
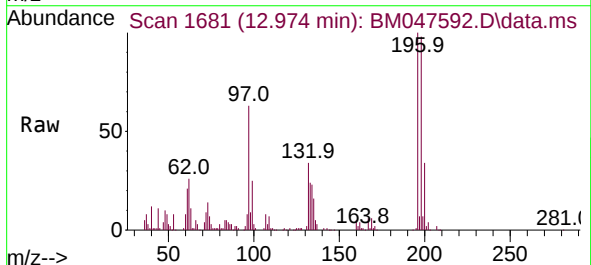
Ion Ratio Lower Upper

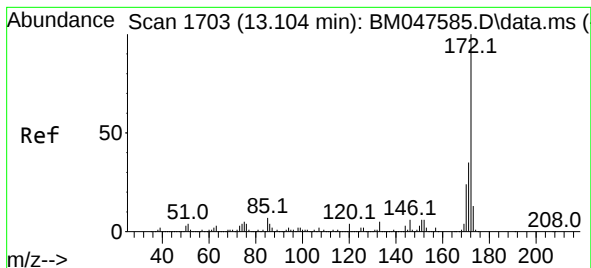
196 100

198 97.8 75.5 113.3

97 63.2 53.5 80.3

132 33.7 25.7 38.5





#45

2-Fluorobiphenyl

Concen: 76.502 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.000 min

Lab File: BM047592.D

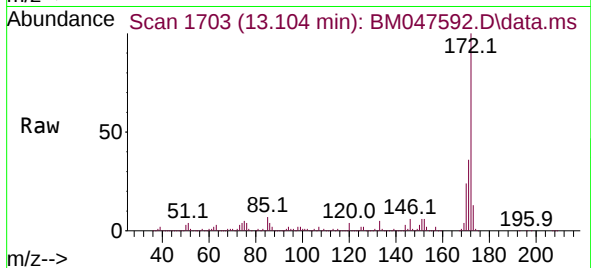
Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:172 Resp: 3617529

Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

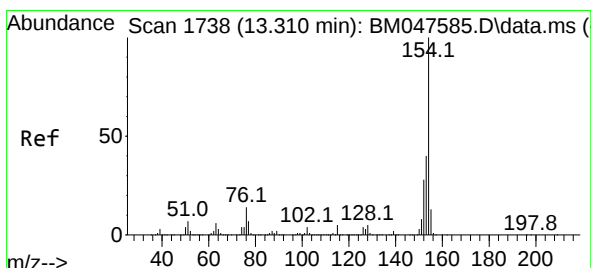
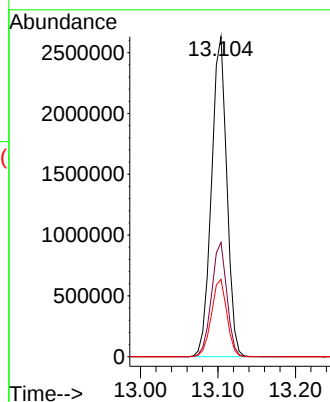
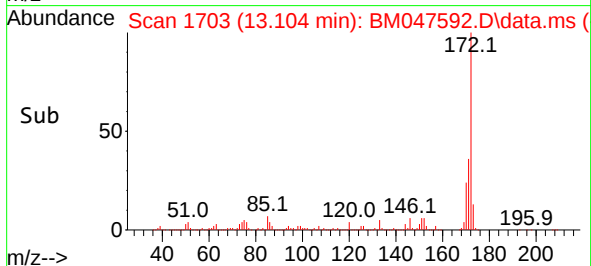
170 24.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#46

1,1'-Biphenyl

Concen: 6.750 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

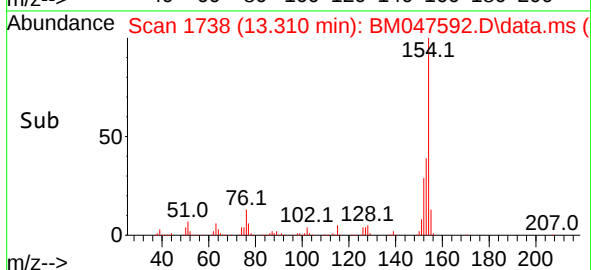
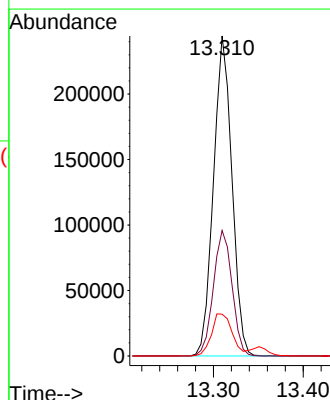
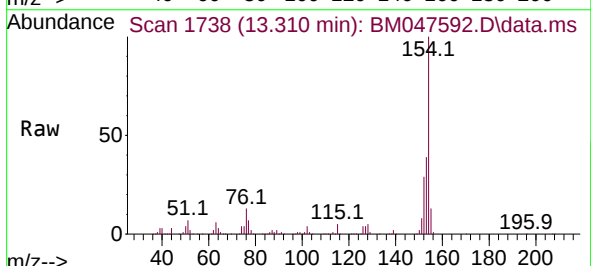
Tgt Ion:154 Resp: 348797

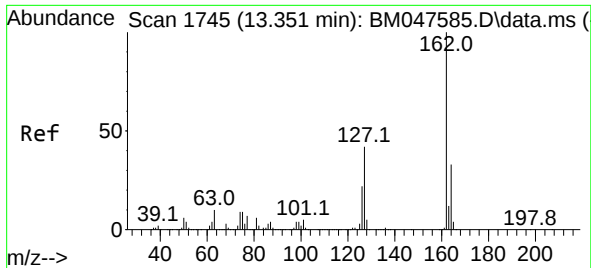
Ion Ratio Lower Upper

154 100

153 39.2 19.9 59.9

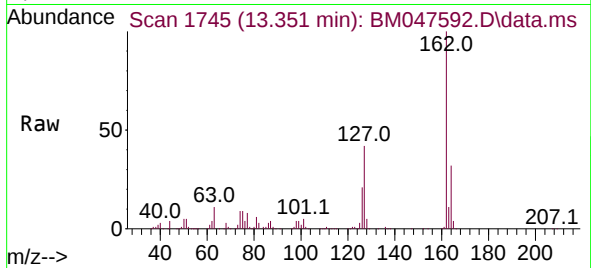
76 13.1 0.0 34.5





#47
2-Chloronaphthalene
Concen: 6.291 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

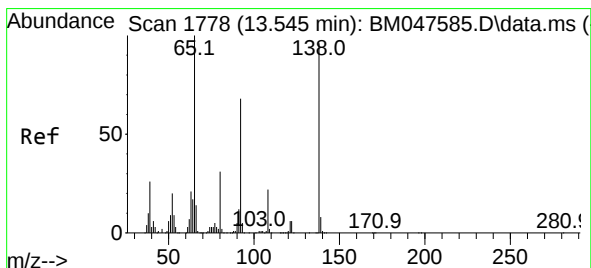
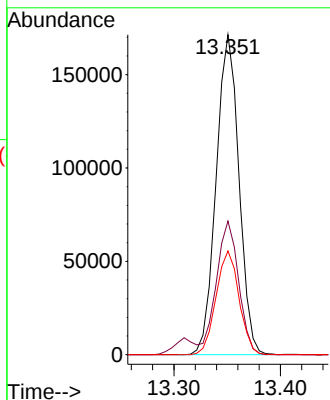
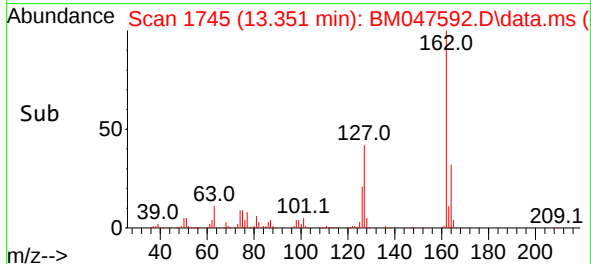
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:162 Resp: 25436
Ion Ratio Lower Upper
162 100
127 41.7 33.8 50.6
164 32.4 26.2 39.4

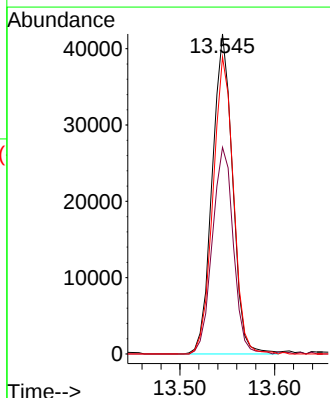
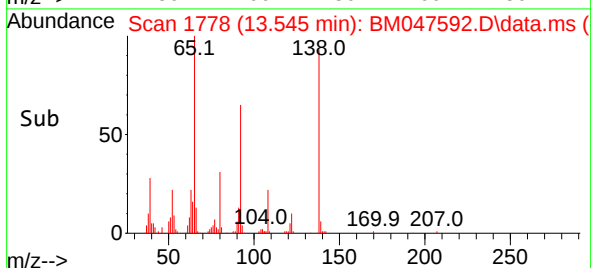
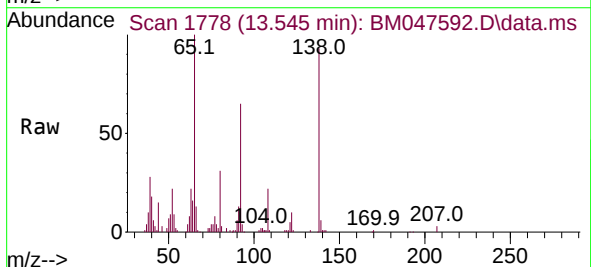
Manual Integrations
APPROVED

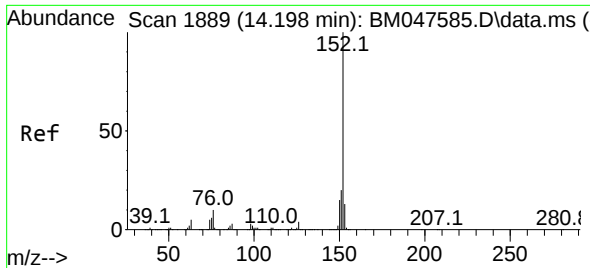
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#48
2-Nitroaniline
Concen: 5.198 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

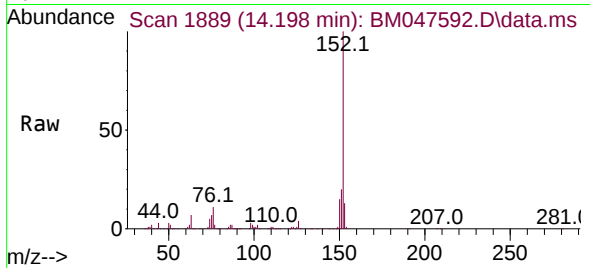
Tgt Ion: 65 Resp: 62775
Ion Ratio Lower Upper
65 100
92 64.6 54.2 81.4
138 92.8 76.6 114.8





#49
Acenaphthylene
Concen: 6.678 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

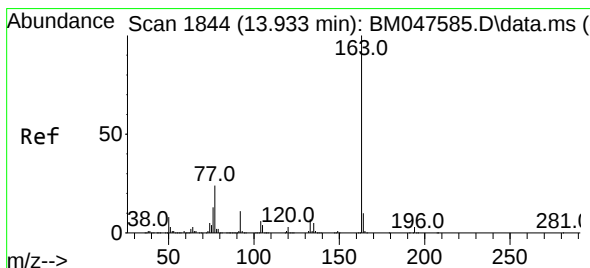
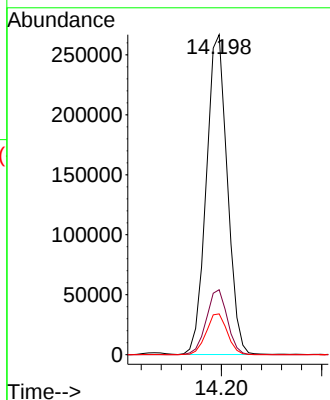
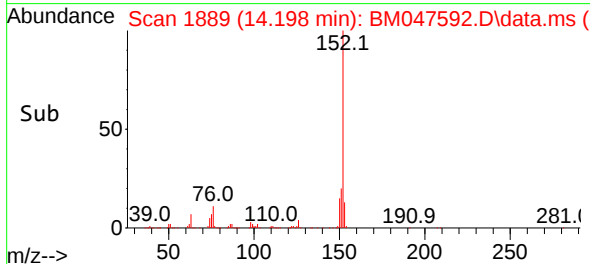
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



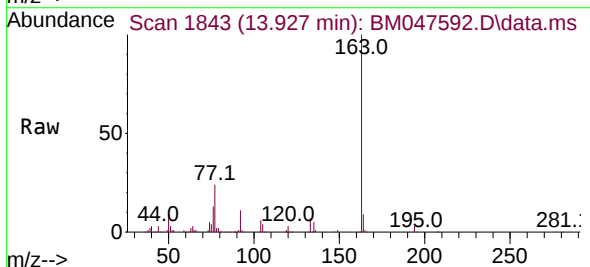
Tgt Ion:152 Resp: 388550
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 12.8 10.4 15.6

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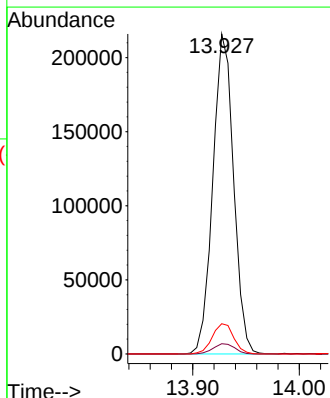
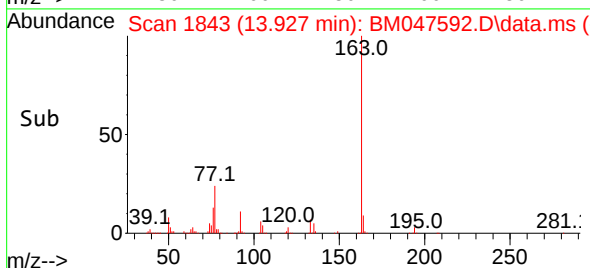
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

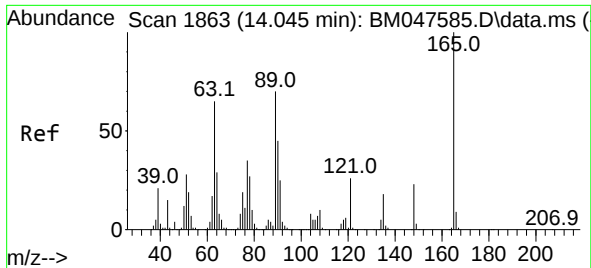


#50
Dimethylphthalate
Concen: 6.315 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:163 Resp: 291743
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.4 8.2 12.2





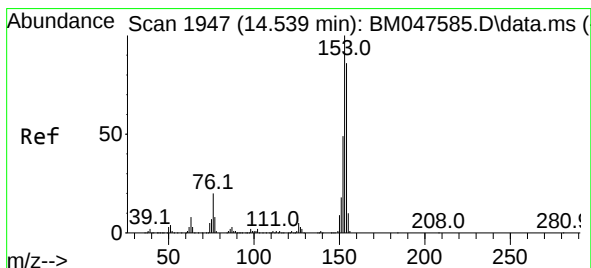
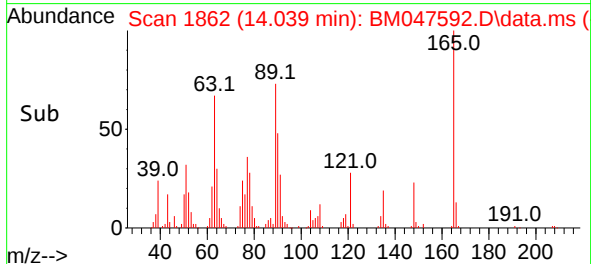
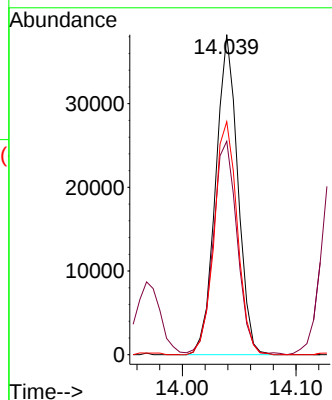
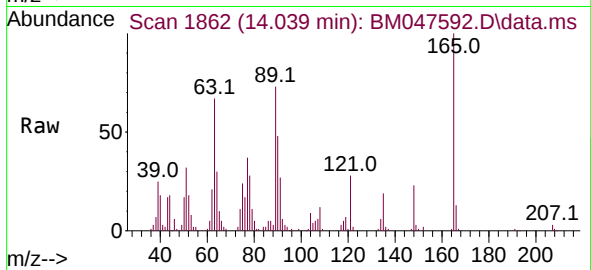
#51
2,6-Dinitrotoluene
Concen: 5.351 ng
RT: 14.039 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion:165 Resp: 51790
Ion Ratio Lower Upper
165 100
63 66.7 53.0 79.6
89 72.8 56.4 84.6

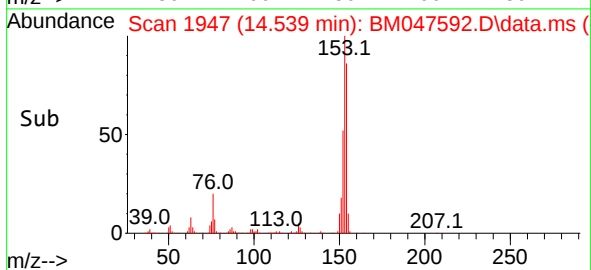
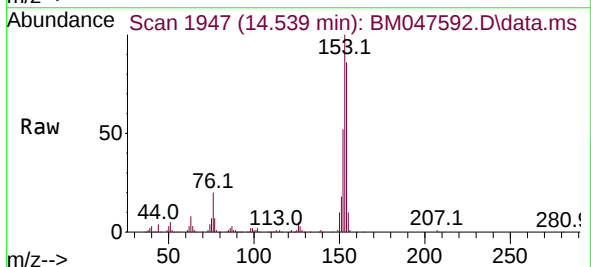
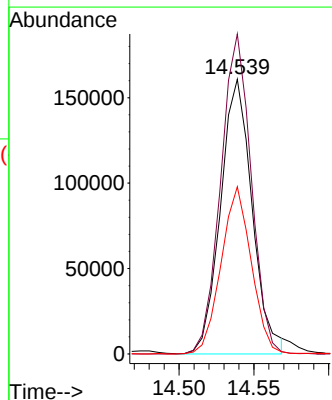
Manual Integrations
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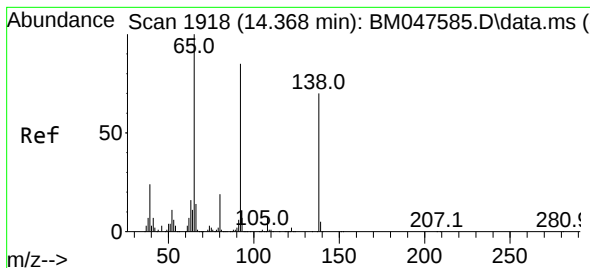
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#52
Acenaphthene
Concen: 6.148 ng m
RT: 14.539 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

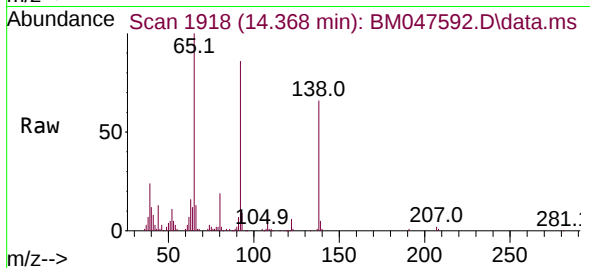
Tgt Ion:154 Resp: 236328
Ion Ratio Lower Upper
154 100
153 116.5 92.8 139.2
152 60.9 45.7 68.5





#53
3-Nitroaniline
Concen: 5.281 ng
RT: 14.368 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

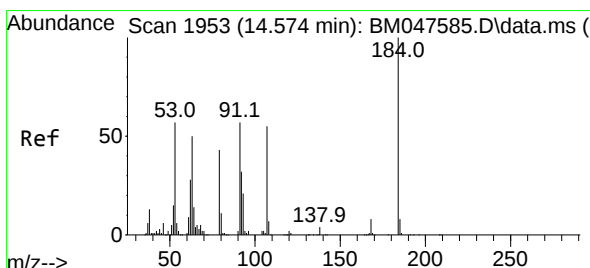
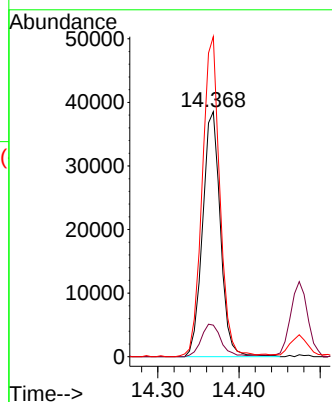
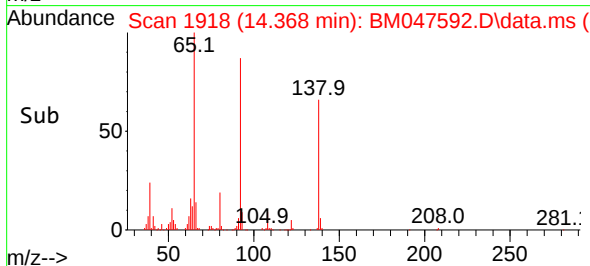
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:138 Resp: 5862
Ion Ratio Lower Upper
138 100
108 12.9 8.3 12.5
92 130.6 97.0 145.6

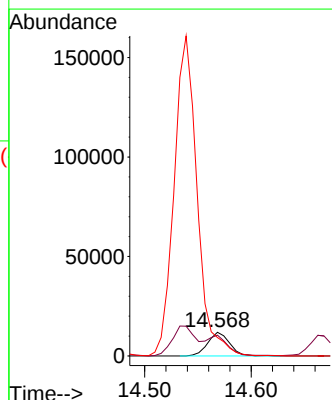
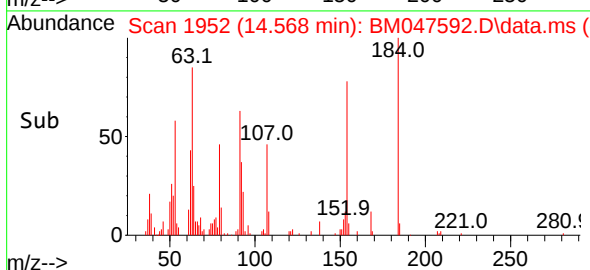
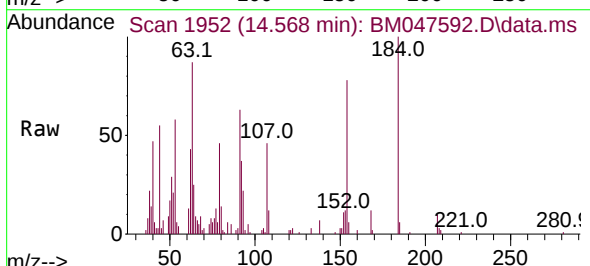
Manual Integrations
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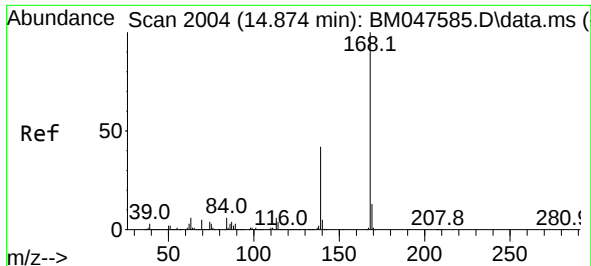
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#54
2,4-Dinitrophenol
Concen: 3.868 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

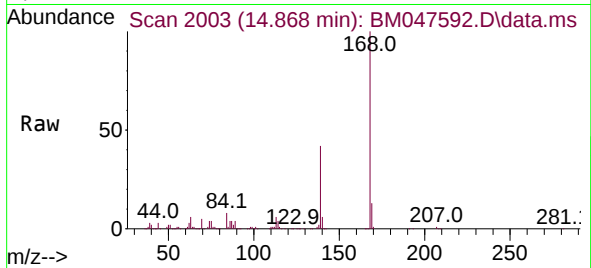
Tgt Ion:184 Resp: 16970
Ion Ratio Lower Upper
184 100
63 87.5 69.0 103.6
154 77.6 59.7 89.5





#55
Dibenzofuran
Concen: 6.431 ng
RT: 14.868 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

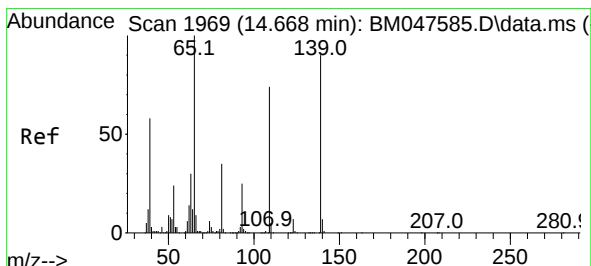
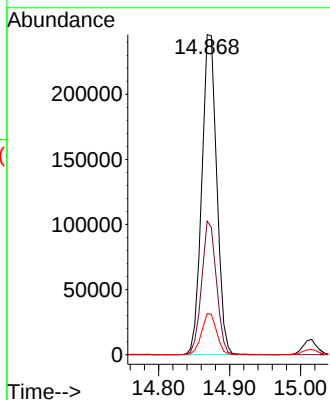
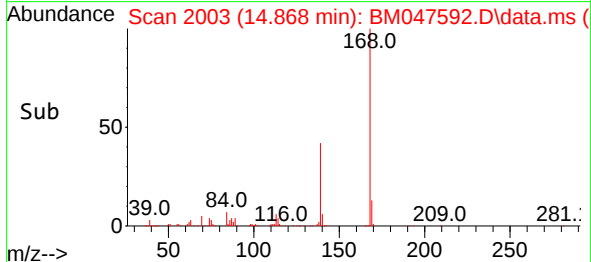
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



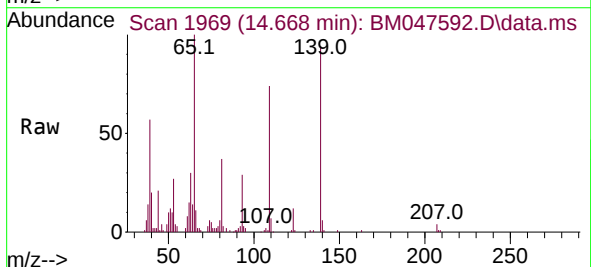
Tgt Ion:168 Resp: 361228
Ion Ratio Lower Upper
168 100
139 41.8 33.4 50.2
169 12.9 10.4 15.6

Manual Integrations
APPROVED

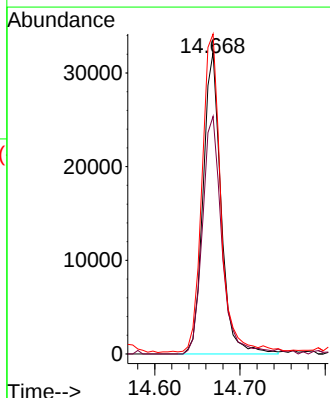
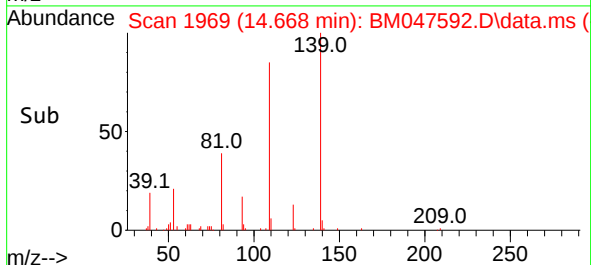
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

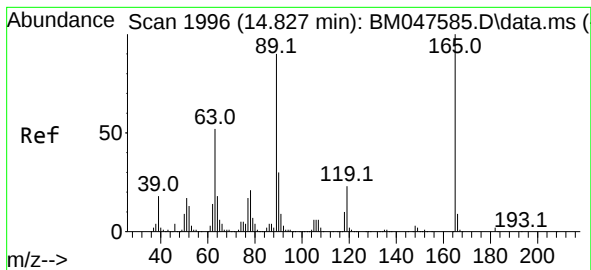


#56
4-Nitrophenol
Concen: 4.946 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:139 Resp: 47047
Ion Ratio Lower Upper
139 100
109 78.8 63.1 103.1
65 106.1 91.8 131.8





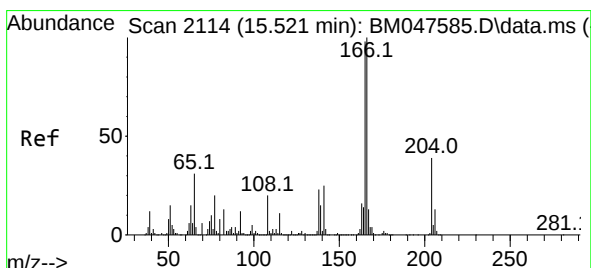
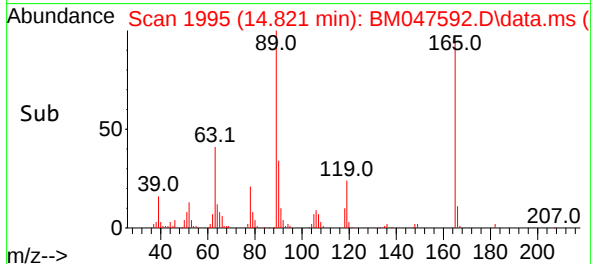
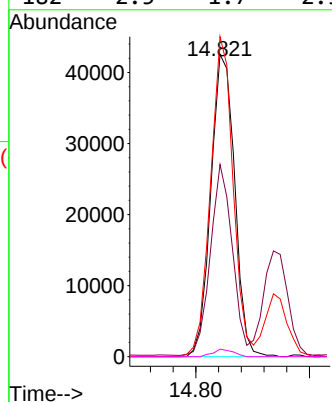
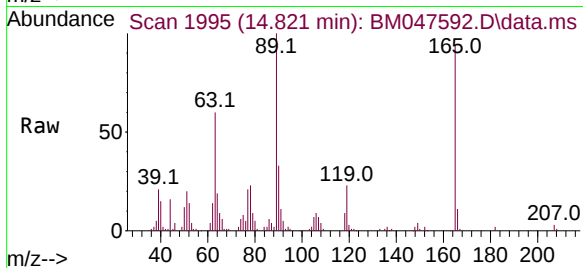
#57
2,4-Dinitrotoluene
Concen: 4.789 ng
RT: 14.821 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion:165 Resp: 61759
Ion Ratio Lower Upper
165 100
63 63.6 41.6 62.4
89 105.8 71.7 107.5
182 2.5 1.7 2.5

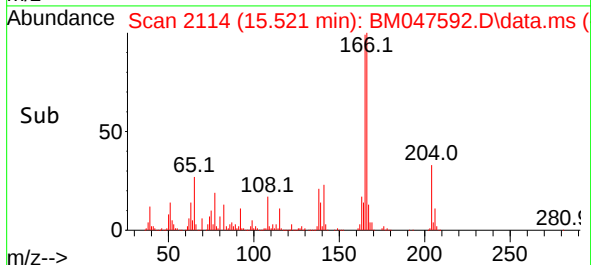
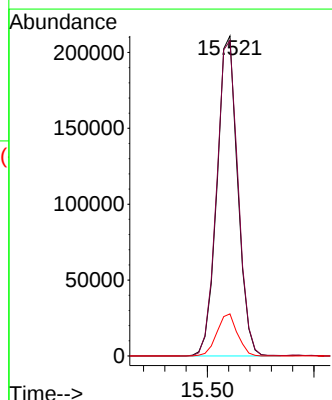
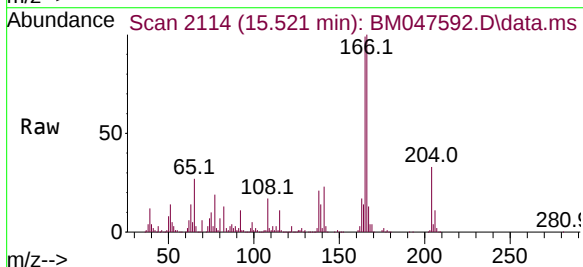
Manual Integrations
APPROVED

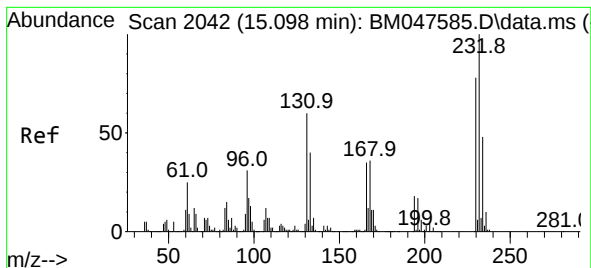
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#58
Fluorene
Concen: 5.716 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

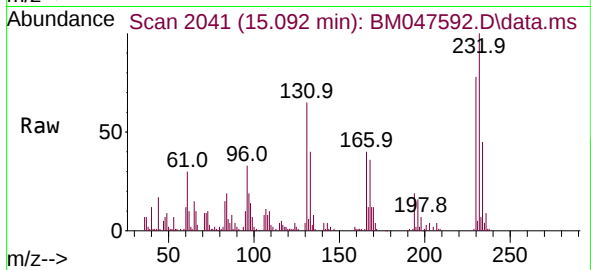
Tgt Ion:166 Resp: 284156
Ion Ratio Lower Upper
166 100
165 98.5 78.4 117.6
167 13.1 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.859 ng
RT: 15.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

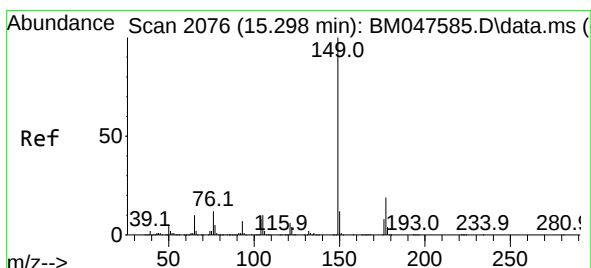
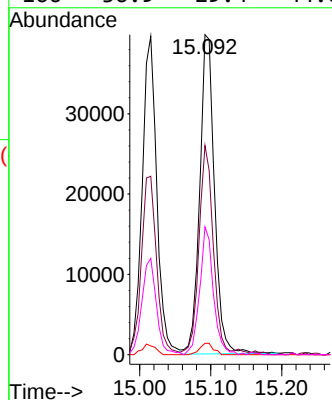
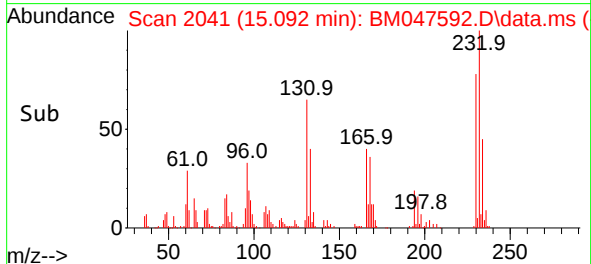
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



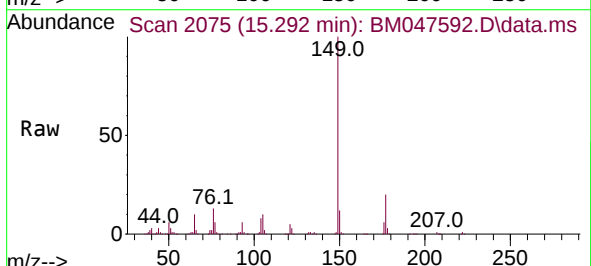
Tgt Ion:232 Resp: 5777
Ion Ratio Lower Upper
232 100
131 61.2 50.3 75.5
130 3.3 3.0 4.4
166 36.9 29.4 44.0

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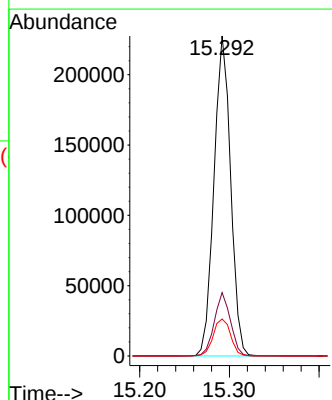
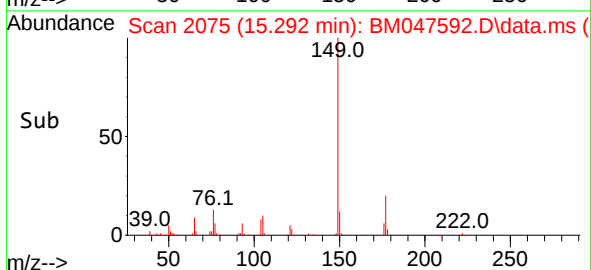
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

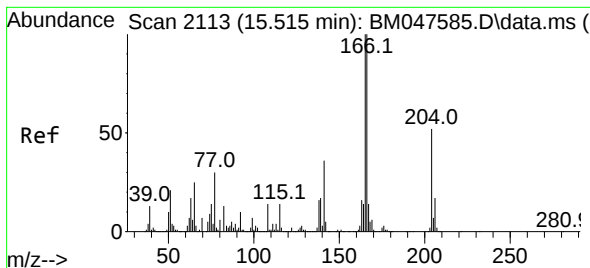


#60
Diethylphthalate
Concen: 5.946 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



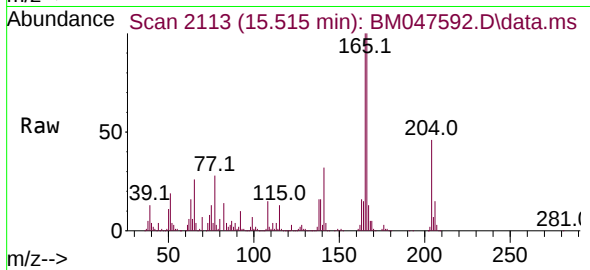
Tgt Ion:149 Resp: 292855
Ion Ratio Lower Upper
149 100
177 19.8 15.4 23.0
150 11.5 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 5.690 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

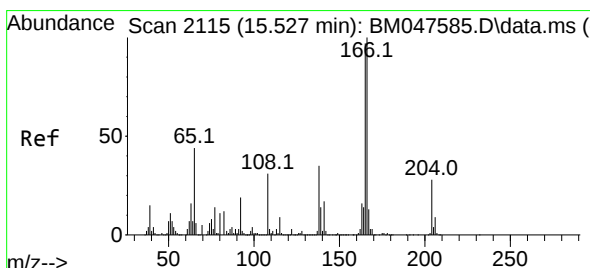
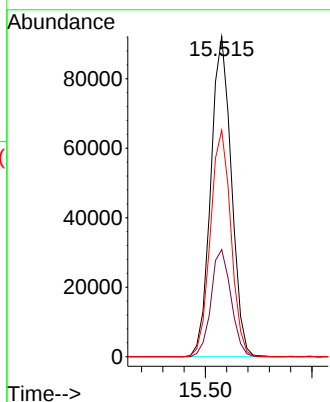
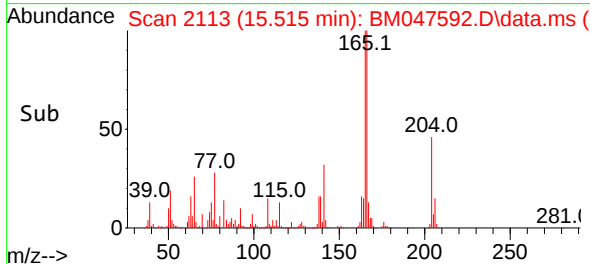
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



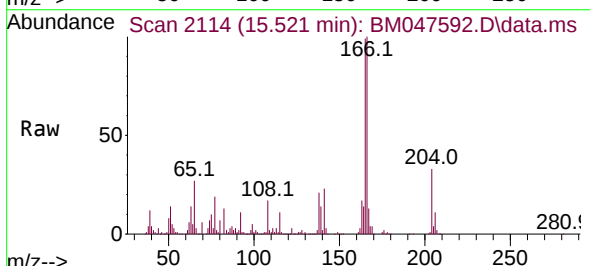
Tgt Ion:204 Resp: 123602
Ion Ratio Lower Upper
204 100
206 33.5 26.2 39.2
141 70.8 55.3 82.9

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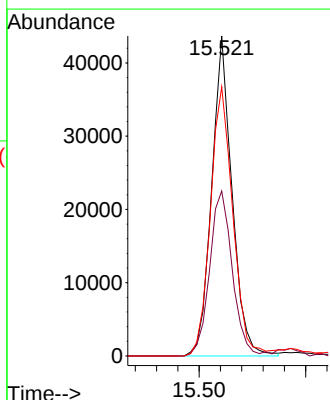
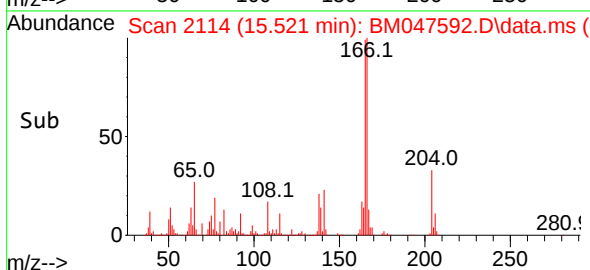
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

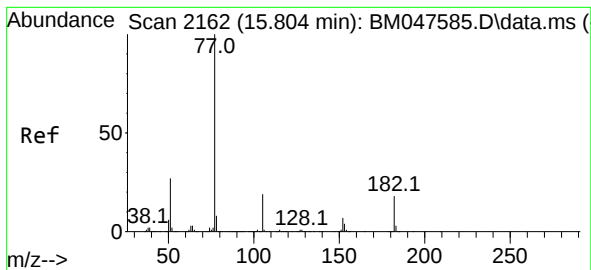


#62
4-Nitroaniline
Concen: 4.623 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



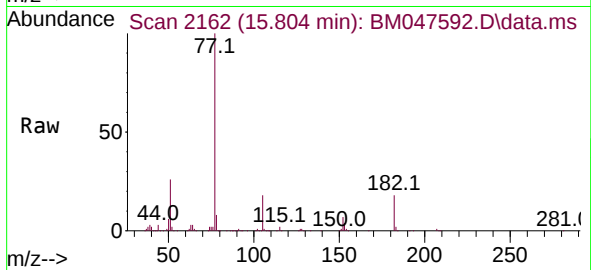
Tgt Ion:138 Resp: 57818
Ion Ratio Lower Upper
138 100
92 51.6 33.3 73.3
108 84.1 66.2 106.2





#63
Azobenzene
Concen: 6.195 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

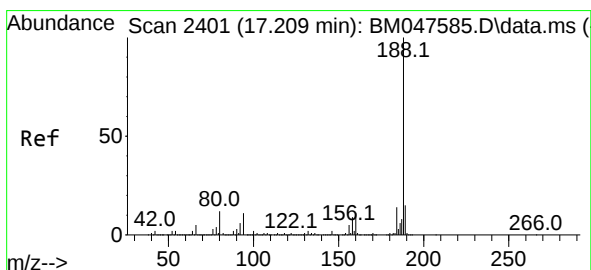
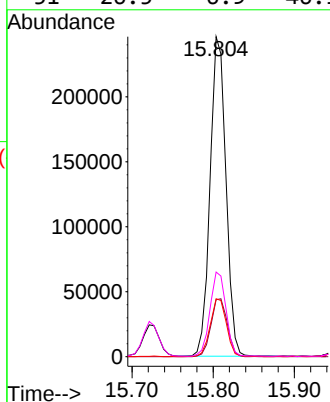
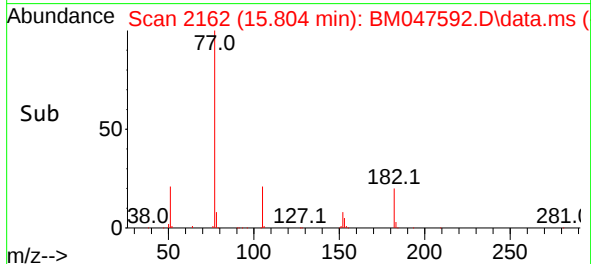
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



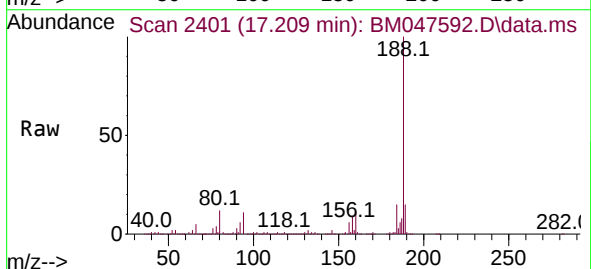
Tgt Ion: 77 Resp: 333548
Ion Ratio Lower Upper
77 100
182 17.8 0.0 38.2
105 18.1 0.0 38.8
51 26.5 6.9 46.9

Manual Integrations
APPROVED

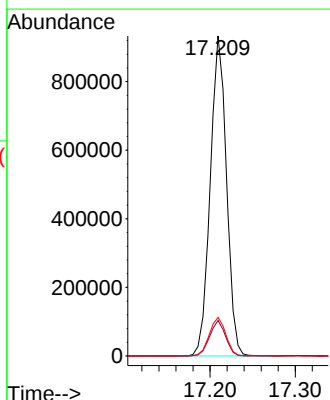
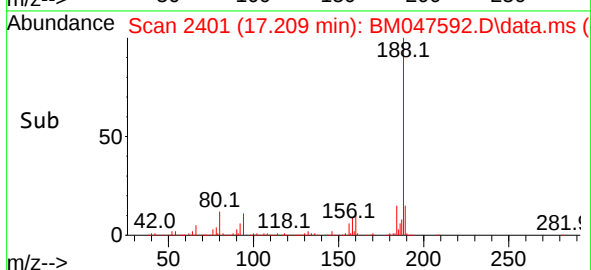
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

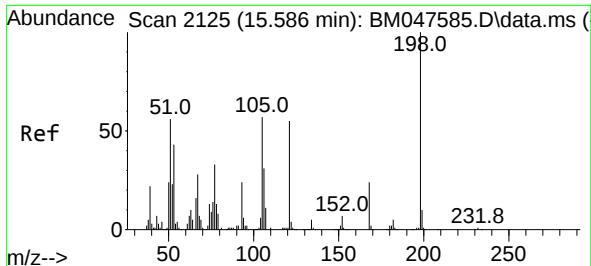


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:188 Resp: 1236282
Ion Ratio Lower Upper
188 100
94 11.1 8.6 13.0
80 12.0 9.9 14.9





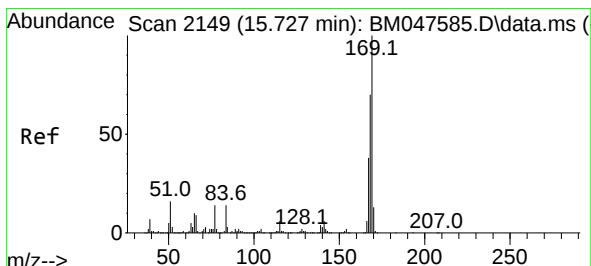
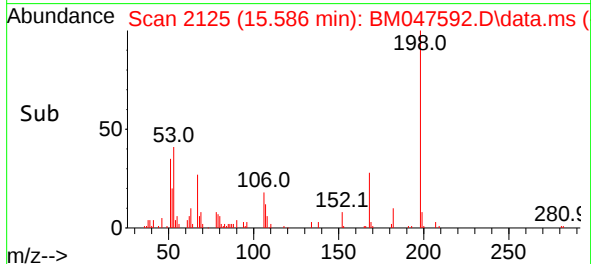
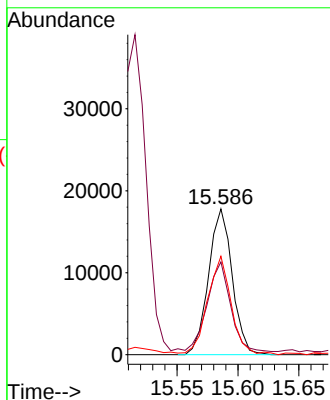
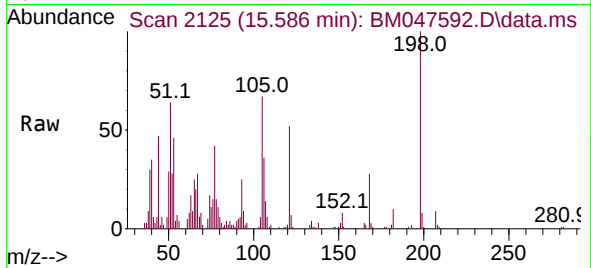
#65
4,6-Dinitro-2-methylphenol
Concen: 4.110 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

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

Tgt Ion:198 Resp: 24070
Ion Ratio Lower Upper
198 100
51 63.7 38.2 78.2
105 67.4 38.0 78.0

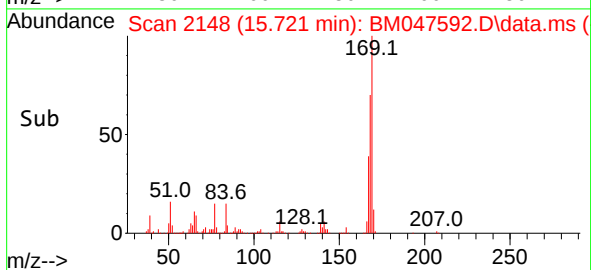
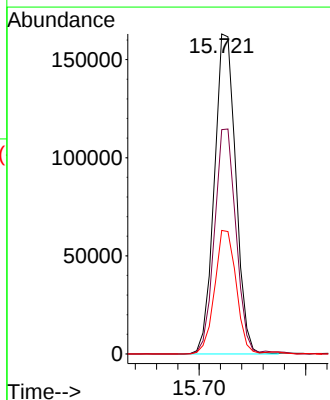
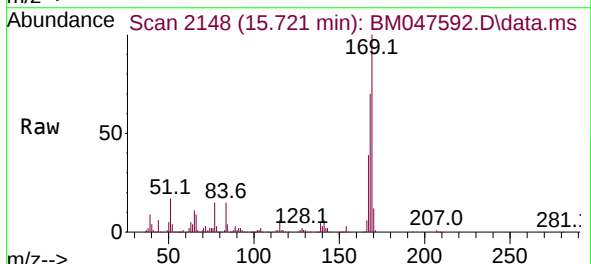
Manual Integrations
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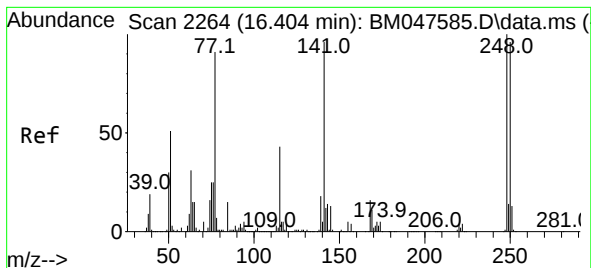
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#66
n-Nitrosodiphenylamine
Concen: 6.174 ng
RT: 15.721 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

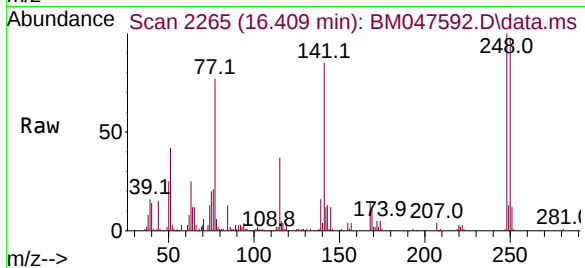
Tgt Ion:169 Resp: 227963
Ion Ratio Lower Upper
169 100
168 70.1 55.8 83.8
167 38.6 30.7 46.1





#67
4-Bromophenyl-phenylether
Concen: 5.961 ng
RT: 16.409 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

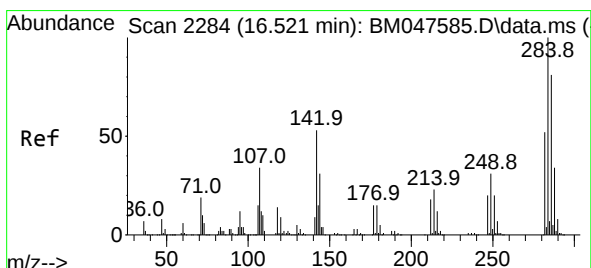
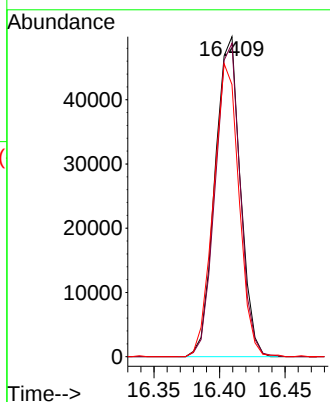
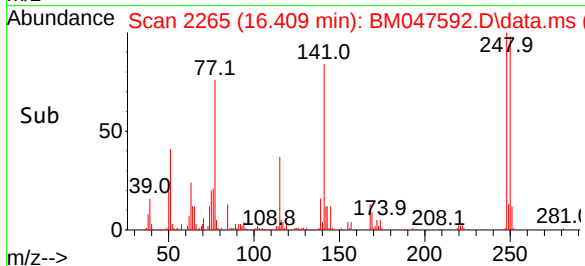
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



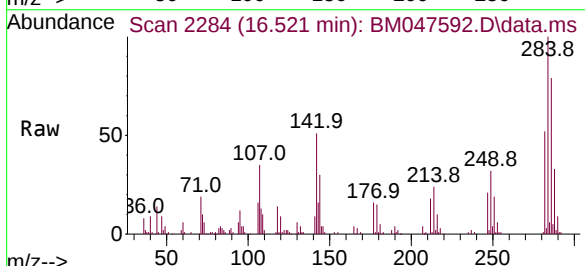
Tgt Ion:248 Resp: 6694
Ion Ratio Lower Upper
248 100
250 97.9 76.7 115.1
141 85.1 76.7 115.1

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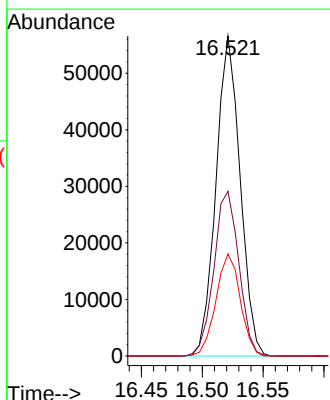
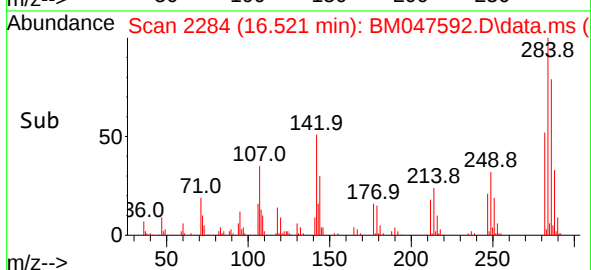
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

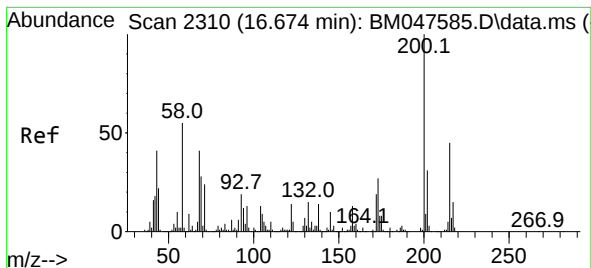


#68
Hexachlorobenzene
Concen: 5.952 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:284 Resp: 78146
Ion Ratio Lower Upper
284 100
142 51.4 42.5 63.7
249 31.9 25.0 37.6





#69

Atrazine

Concen: 7.028 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

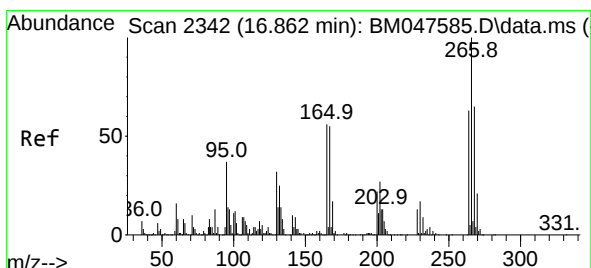
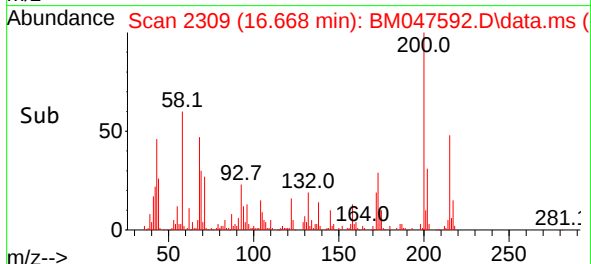
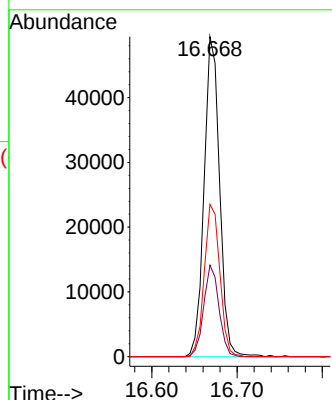
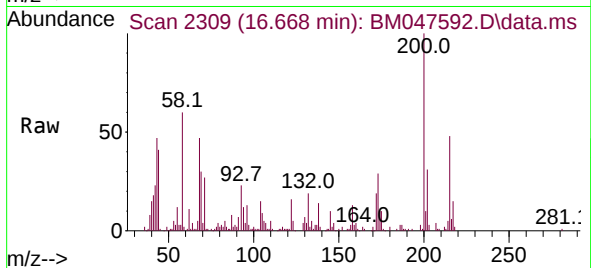
Tgt Ion:200 Resp: 6247
 Ion Ratio Lower Upper
 200 100
 173 28.6 7.4 47.4
 215 47.6 24.5 64.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#70

Pentachlorophenol

Concen: 4.839 ng

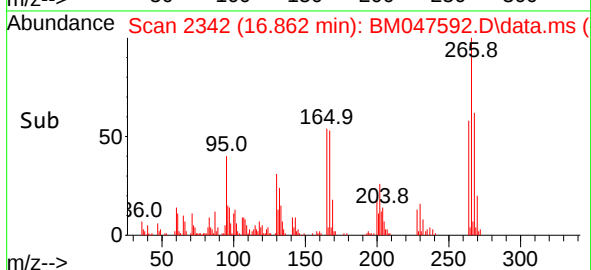
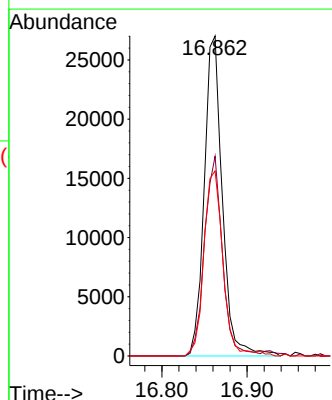
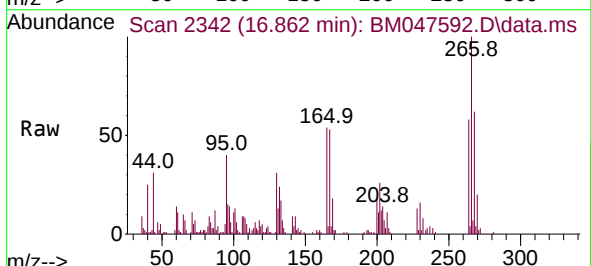
RT: 16.862 min Scan# 2342

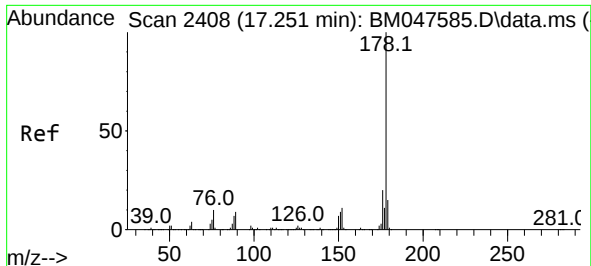
Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

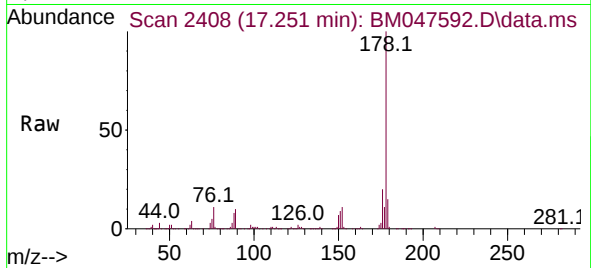
Tgt Ion:266 Resp: 39876
 Ion Ratio Lower Upper
 266 100
 268 62.4 52.2 78.4
 264 57.9 50.0 75.0





#71
Phenanthrene
Concen: 6.177 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

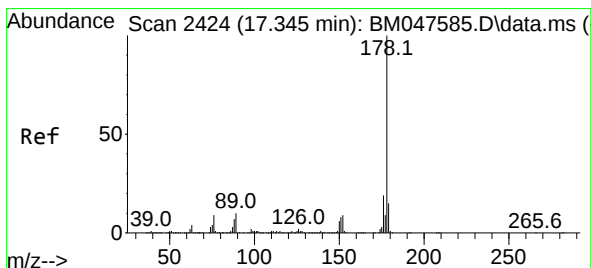
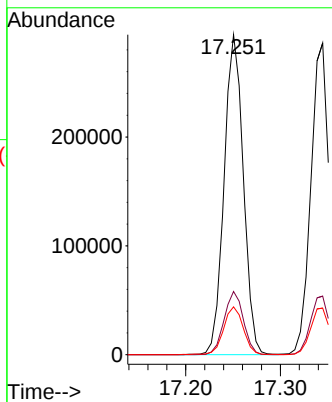
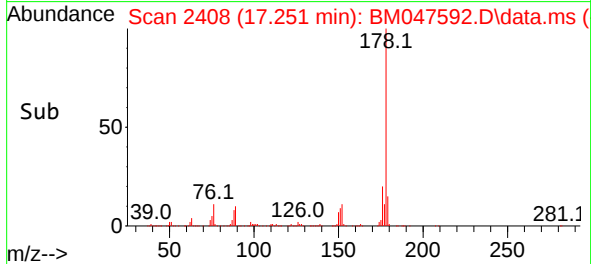
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:178 Resp: 414508
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.0 12.2 18.2

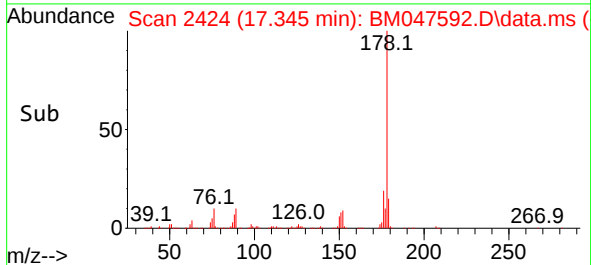
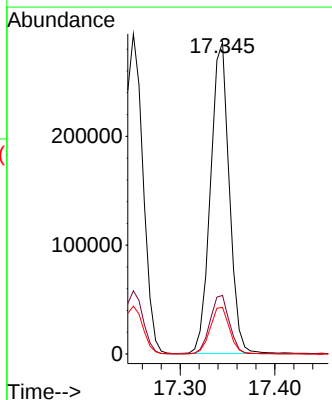
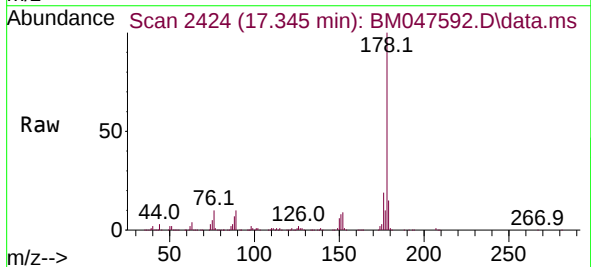
Manual Integrations
APPROVED

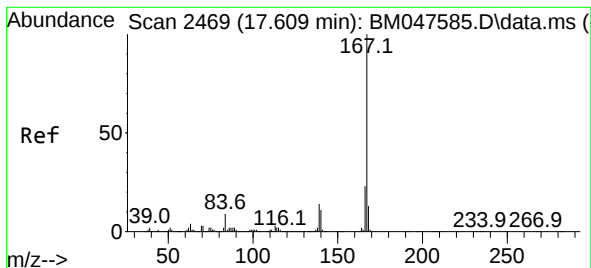
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024



#72
Anthracene
Concen: 6.166 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

Tgt Ion:178 Resp: 392016
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.9 12.2 18.2





#73

Carbazole

Concen: 5.797 ng

RT: 17.603 min Scan# 2469

Delta R.T. -0.006 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

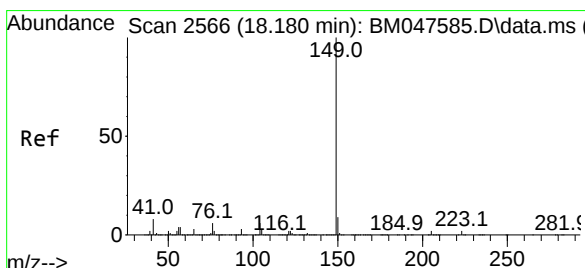
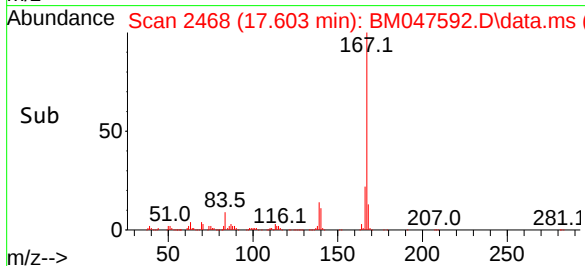
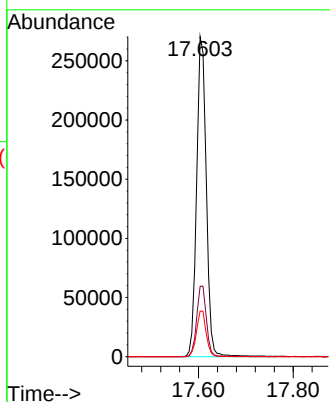
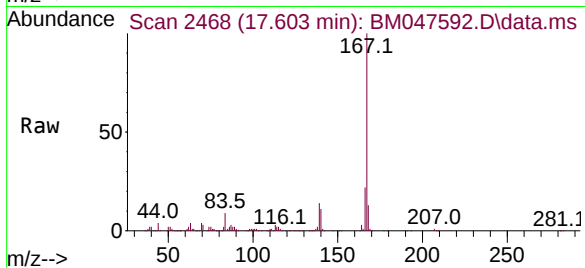
Tgt Ion:167 Resp: 38404
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 14.2 11.3 16.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#74

Di-n-butylphthalate

Concen: 5.375 ng

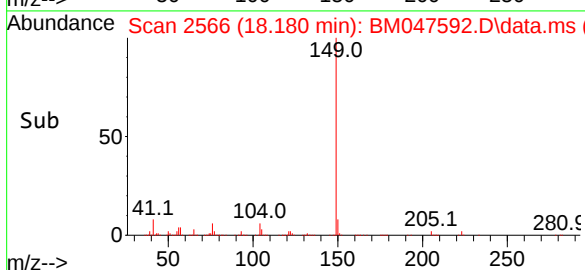
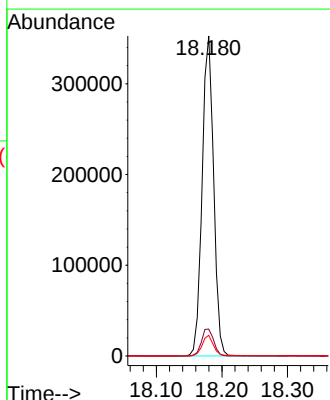
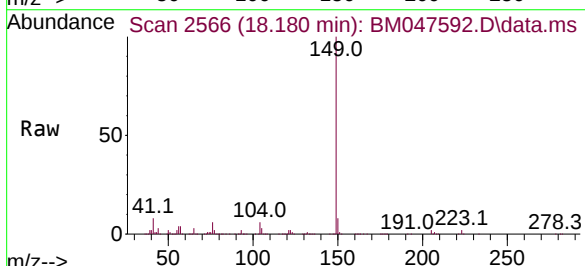
RT: 18.180 min Scan# 2566

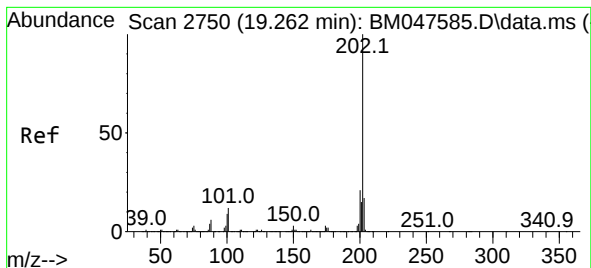
Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:149 Resp: 430715
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.4 11.0
 104 6.5 4.7 7.1





#75

Fluoranthene

Concen: 5.367 ng

RT: 19.256 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047592.D

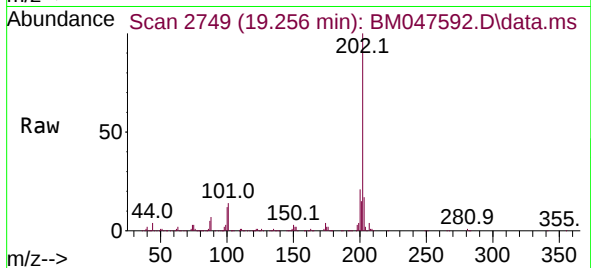
Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:202 Resp: 396480

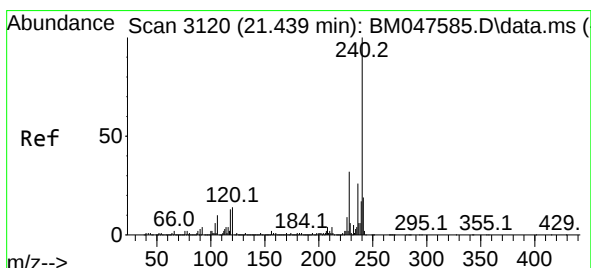
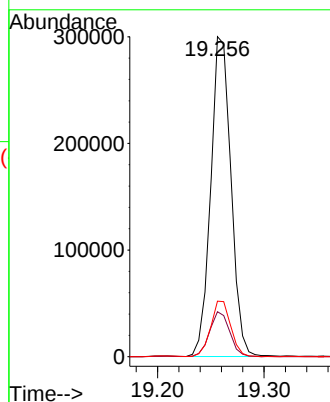
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	32.2
203	17.4	0.0	37.4

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

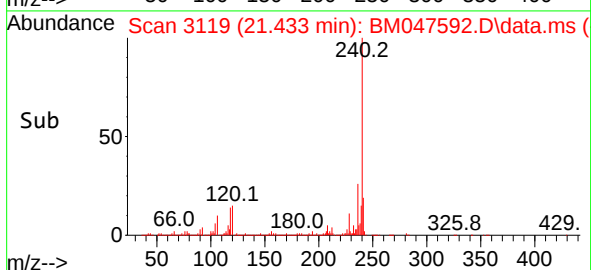
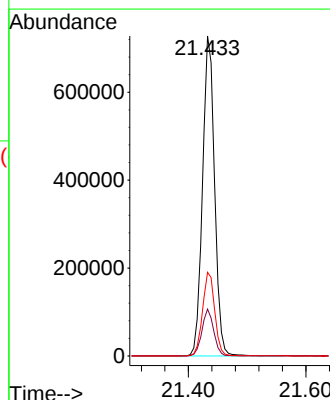
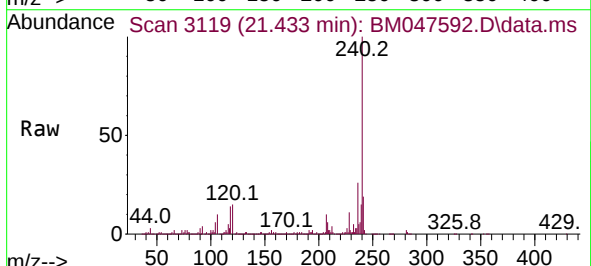
Delta R.T. -0.006 min

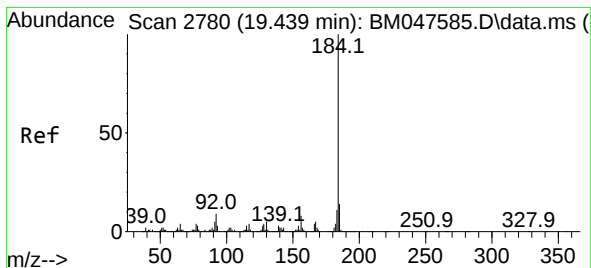
Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:240 Resp: 1032104

Ion	Ratio	Lower	Upper
240	100		
120	14.7	10.8	16.2
236	26.2	20.8	31.2





#77

Benzidine

Concen: 10.814 ng

RT: 19.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:184 Resp: 151990

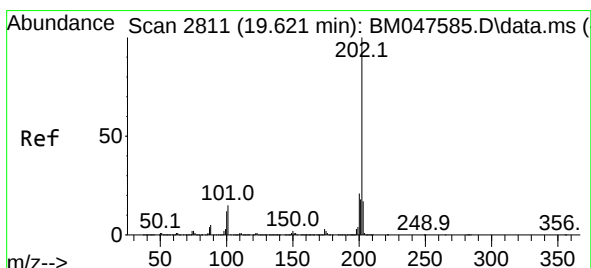
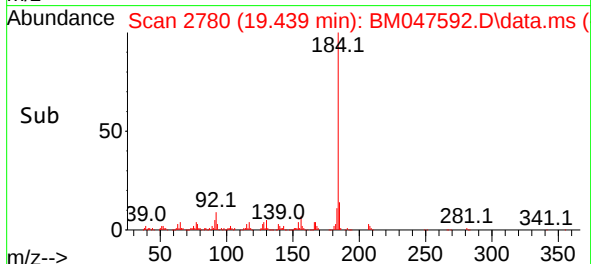
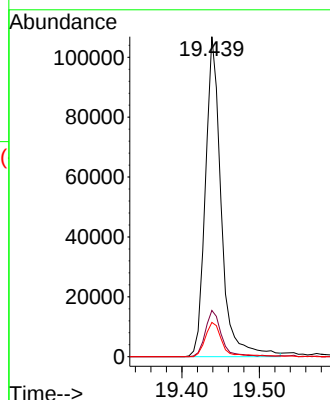
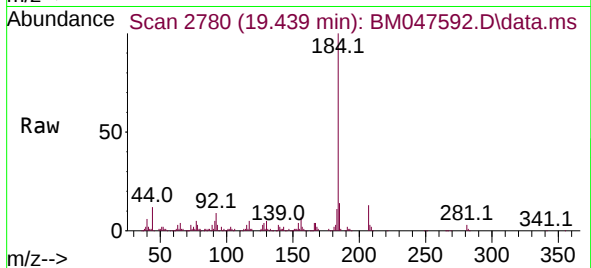
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	10.7	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#78

Pyrene

Concen: 5.835 ng

RT: 19.621 min Scan# 2811

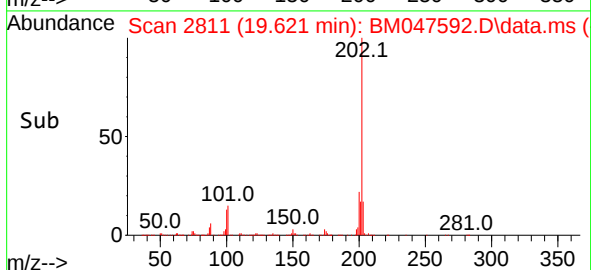
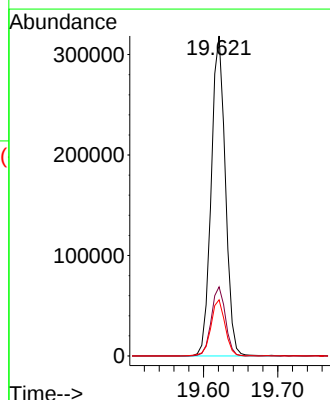
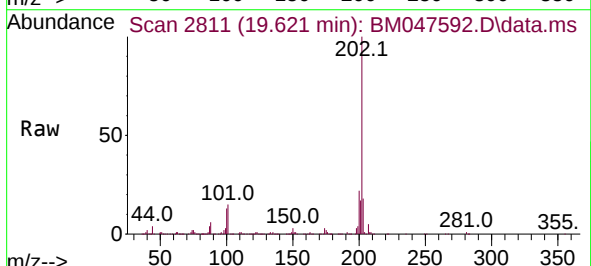
Delta R.T. -0.000 min

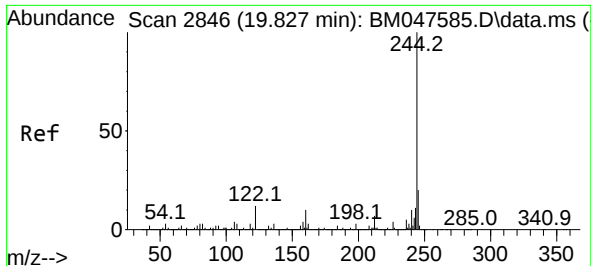
Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:202 Resp: 421499

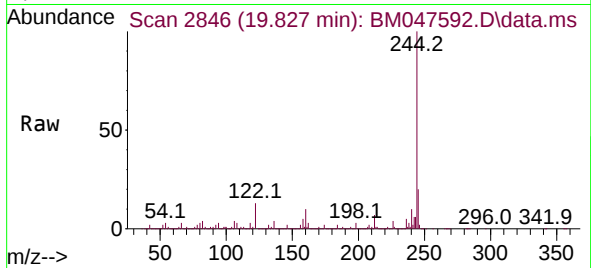
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.6	13.8	20.8





#79
 Terphenyl-d14
 Concen: 71.717 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. -0.000 min
 Lab File: BM047592.D
 Acq: 20 Sep 2024 17:00

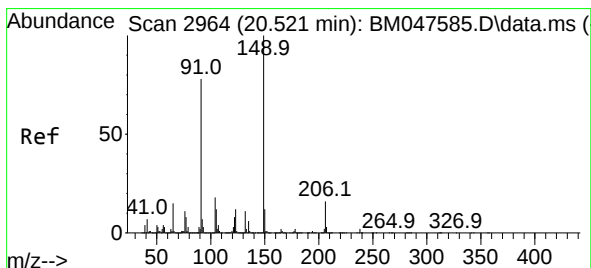
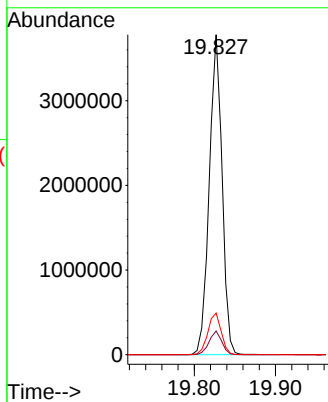
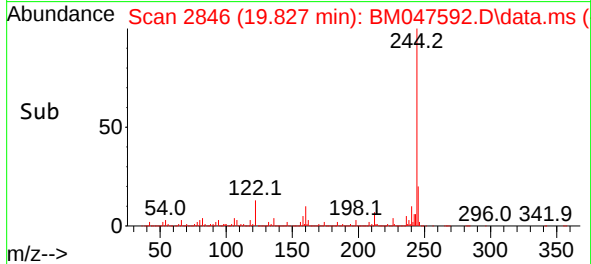
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2024



Tgt Ion:244 Resp: 4125348
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.0 10.0 15.0

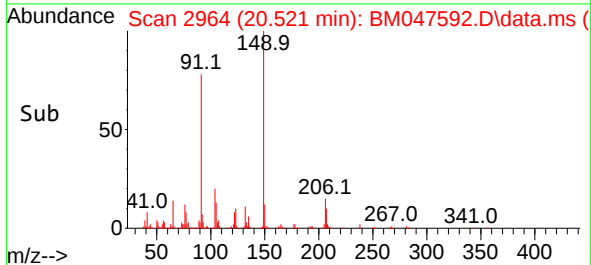
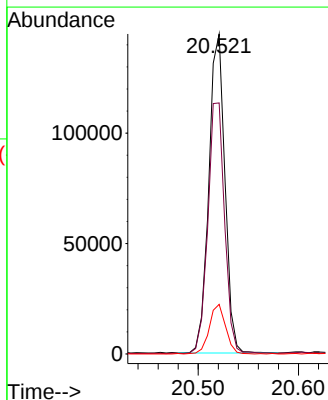
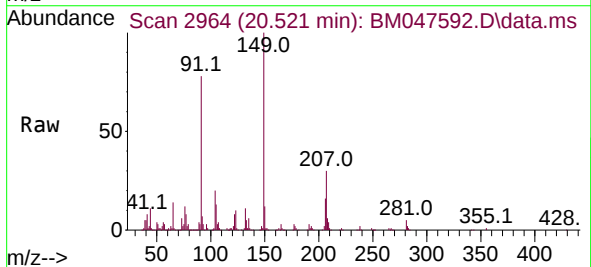
Manual Integrations
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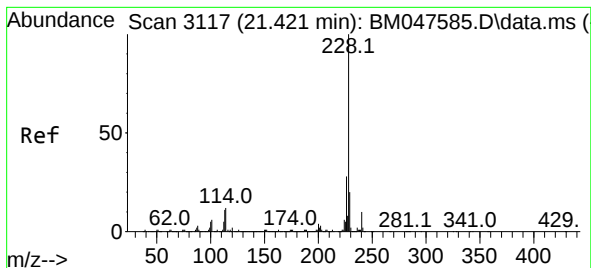
Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/24/2024



#80
 Butylbenzylphthalate
 Concen: 5.124 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.000 min
 Lab File: BM047592.D
 Acq: 20 Sep 2024 17:00

Tgt Ion:149 Resp: 161138
 Ion Ratio Lower Upper
 149 100
 91 78.5 62.3 93.5
 206 15.5 13.0 19.6





#81

Benzo(a)anthracene

Concen: 6.382 ng

RT: 21.415 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM047592.D

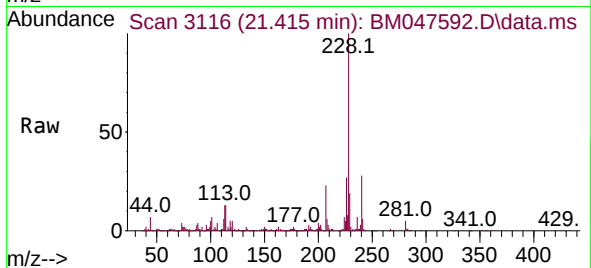
Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:228 Resp: 433109

Ion Ratio Lower Upper

228 100

226 27.1 22.4 33.6

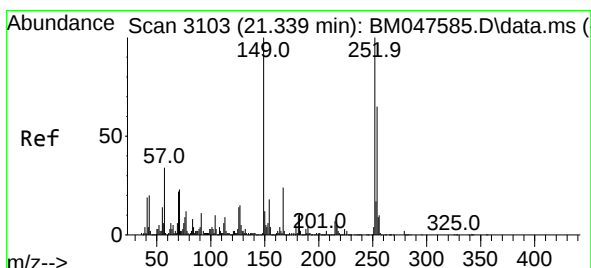
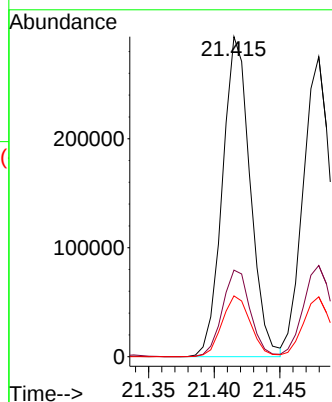
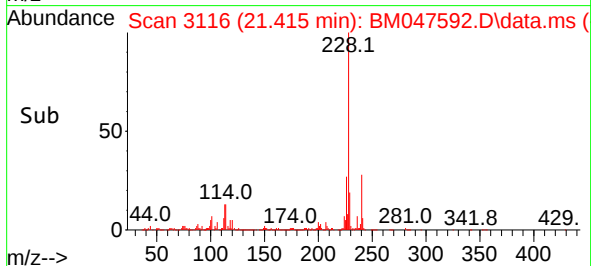
229 19.0 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.737 ng

RT: 21.338 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

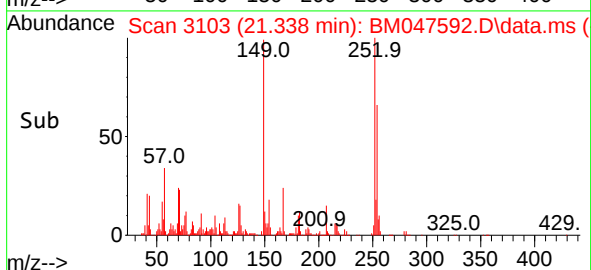
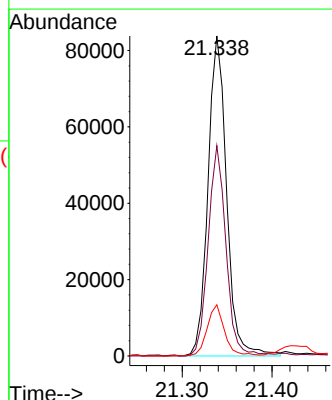
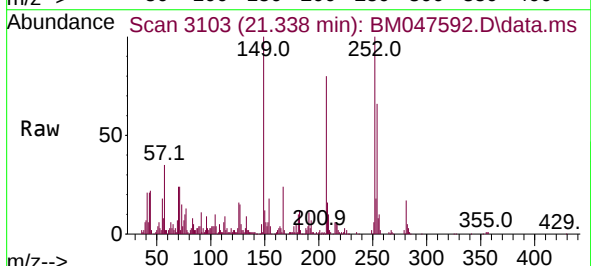
Tgt Ion:252 Resp: 120917

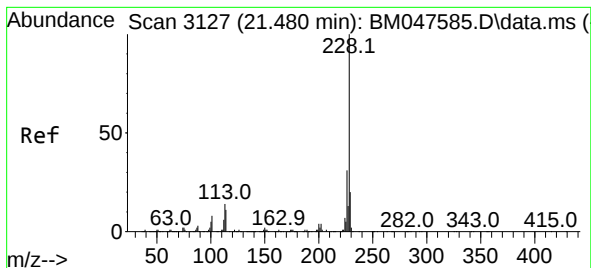
Ion Ratio Lower Upper

252 100

254 65.7 52.3 78.5

126 16.0 11.4 17.0





#83

Chrysene

Concen: 6.263 ng

RT: 21.480 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

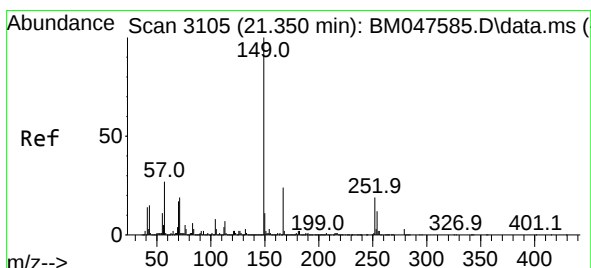
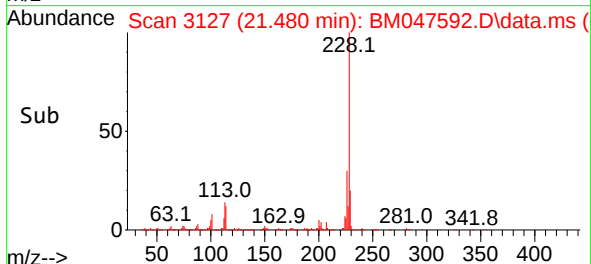
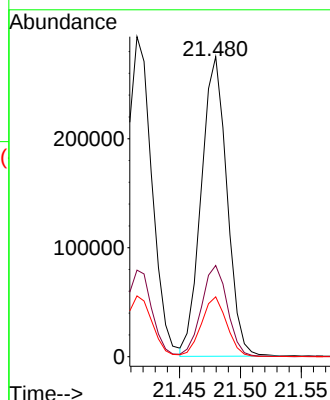
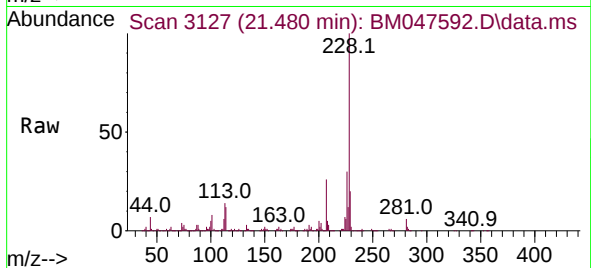
Tgt Ion:	228	Resp:	404204
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	19.9	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.146 ng

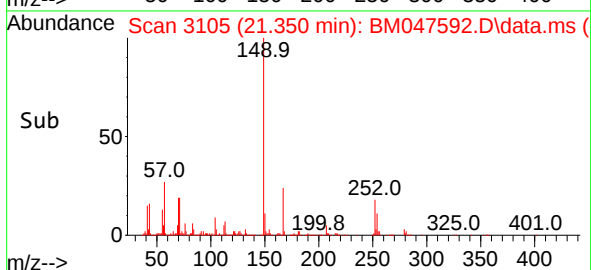
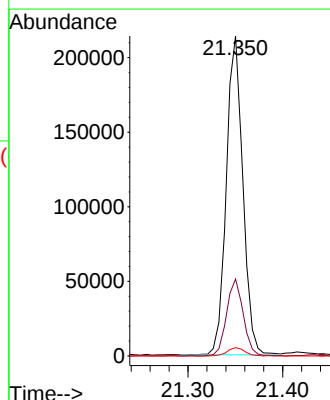
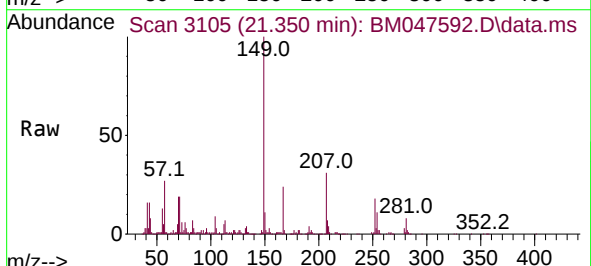
RT: 21.350 min Scan# 3105

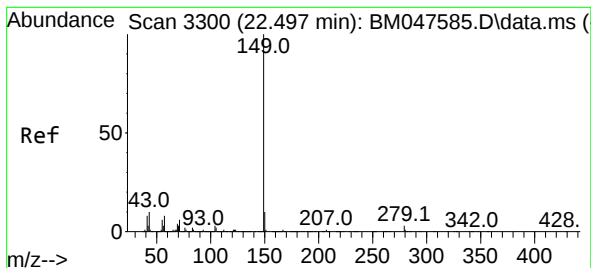
Delta R.T. -0.000 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

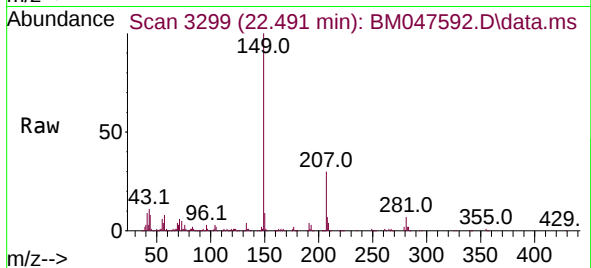
Tgt Ion:	149	Resp:	258871
Ion Ratio	Lower	Upper	
149	100		
167	24.0	19.5	29.3
279	2.6	2.3	3.5





#85
Di-n-octyl phthalate
Concen: 5.009 ng
RT: 22.491 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00

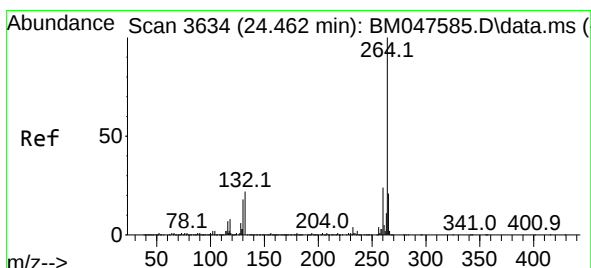
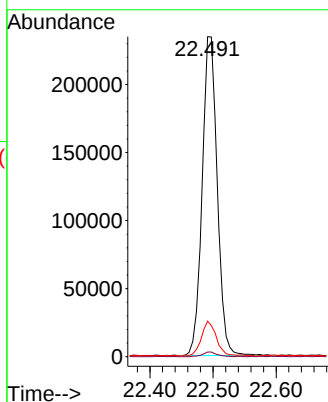
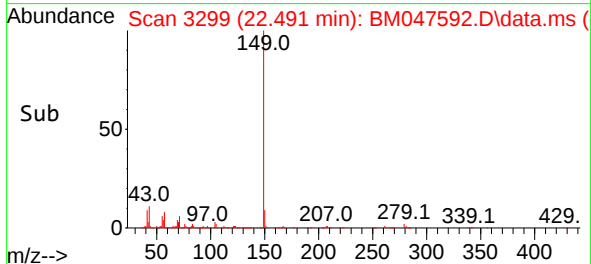
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2024



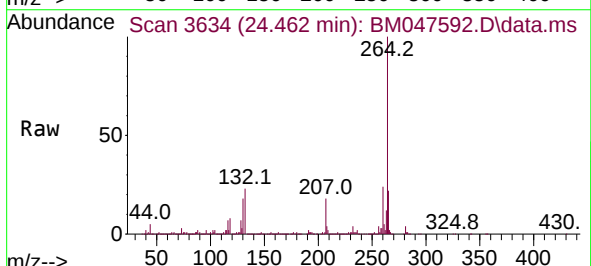
Tgt Ion:149 Resp: 388774
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 10.8 8.2 12.2

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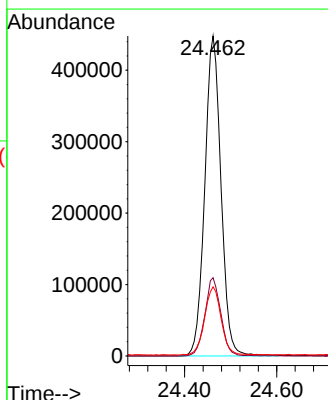
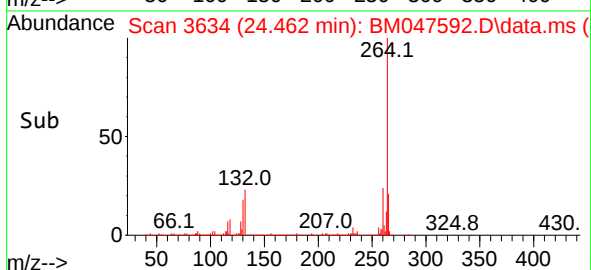
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/24/2024

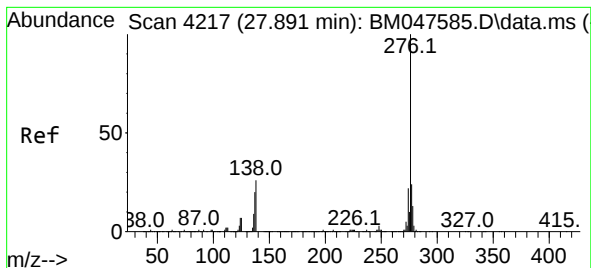


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3634
Delta R.T. -0.000 min
Lab File: BM047592.D
Acq: 20 Sep 2024 17:00



Tgt Ion:264 Resp: 1097915
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.260 ng

RT: 27.873 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047592.D

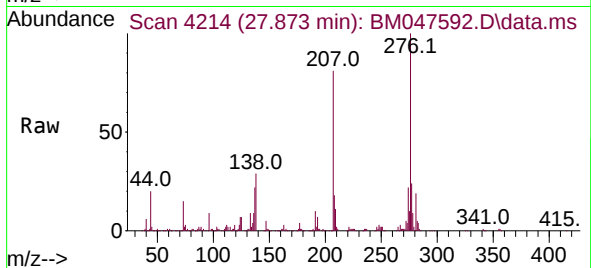
Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024



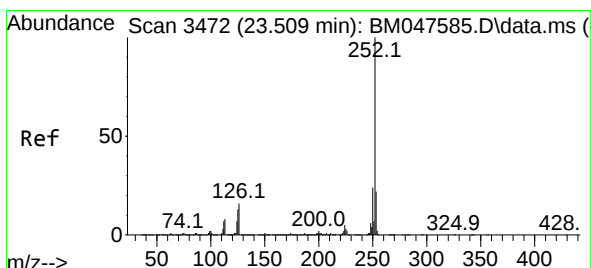
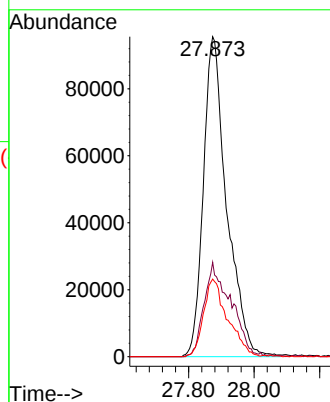
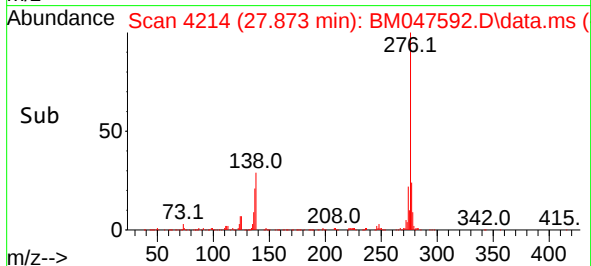
Tgt Ion:	276	Resp:	472630
Ion Ratio	Lower	Upper	
276	100		
138	33.6	18.1	27.1
277	25.1	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#88

Benzo(b)fluoranthene

Concen: 5.721 ng

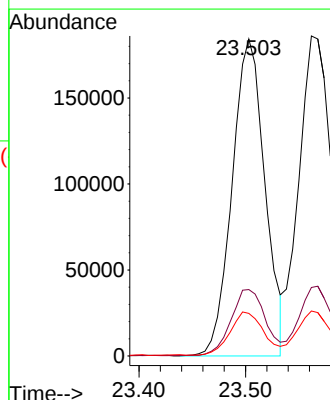
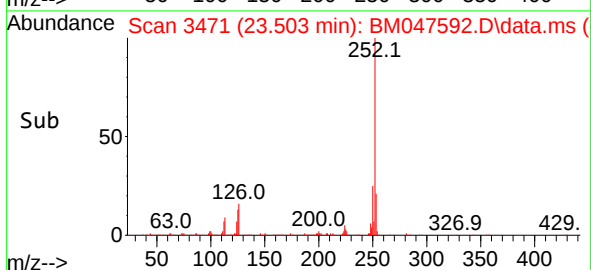
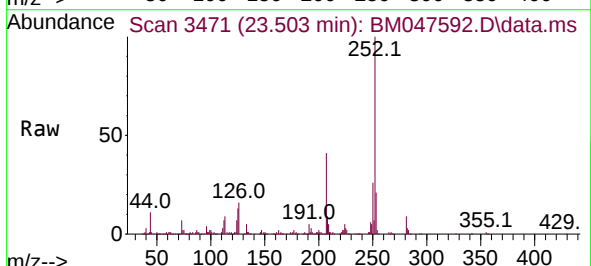
RT: 23.503 min Scan# 3471

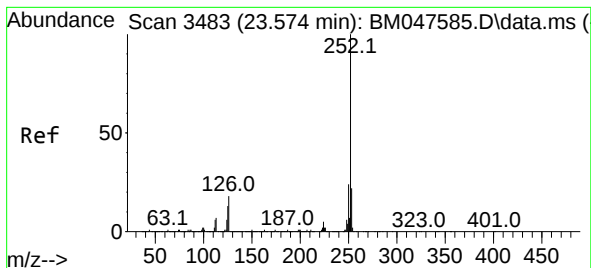
Delta R.T. -0.006 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:	252	Resp:	394747
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.4	26.0
125	13.5	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 6.046 ng

RT: 23.562 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

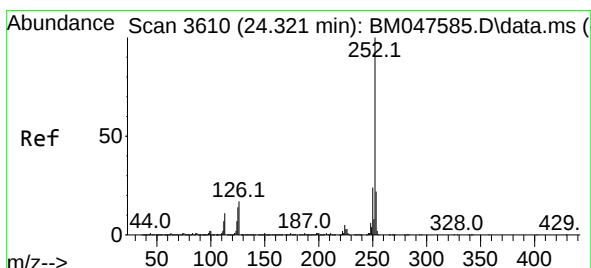
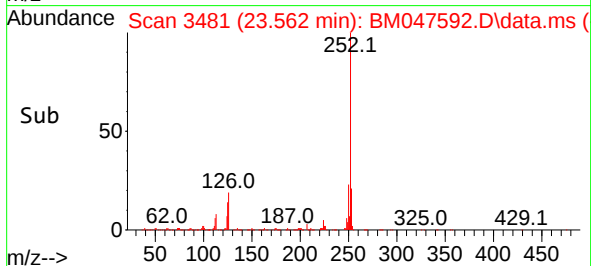
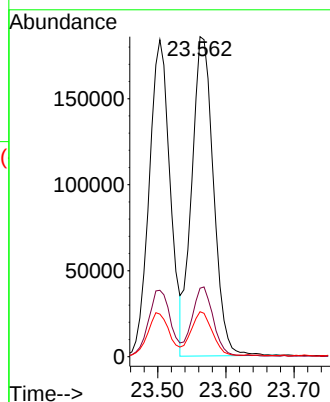
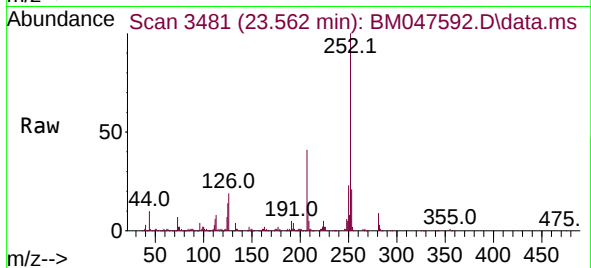
Tgt Ion:252 Resp: 40954
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.6 26.4
 125 14.1 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#90

Benzo(a)pyrene

Concen: 6.081 ng

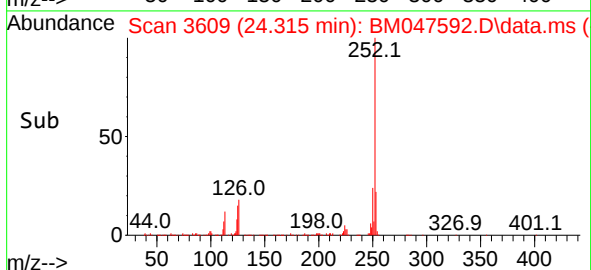
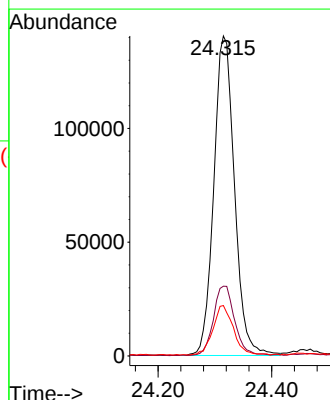
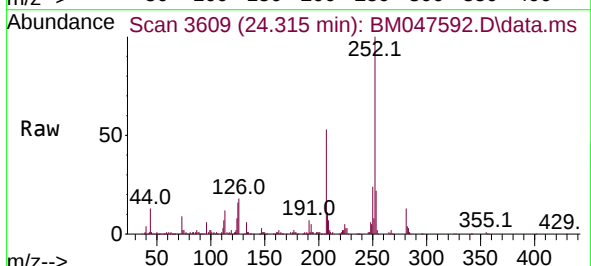
RT: 24.315 min Scan# 3609

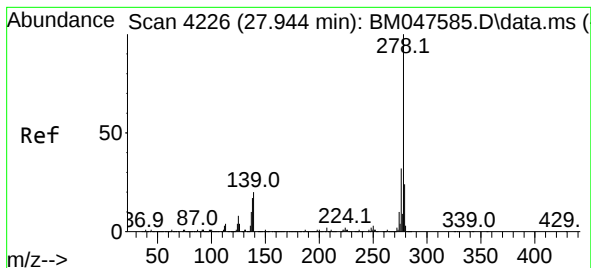
Delta R.T. -0.006 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:252 Resp: 355782
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.0
 125 15.8 11.5 17.3





#91

Dibenzo(a,h)anthracene

Concen: 6.082 ng

RT: 27.938 min Scan# 4395

Delta R.T. -0.006 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2024

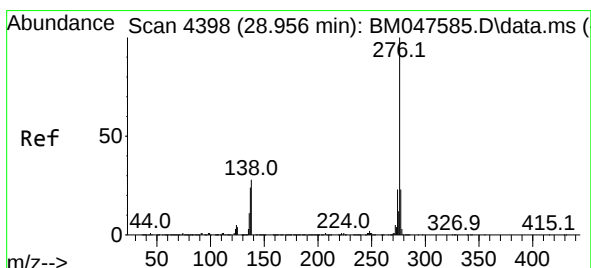
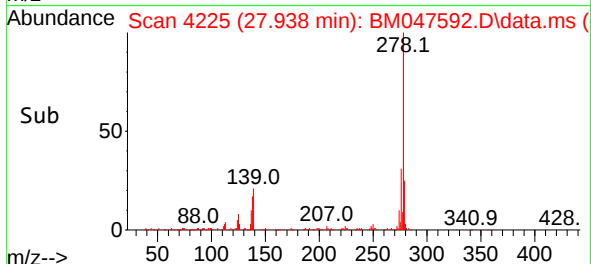
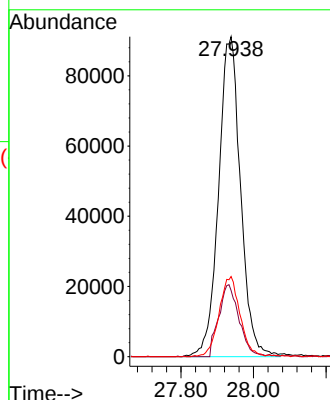
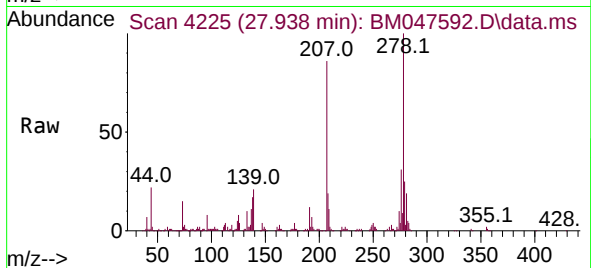
Tgt Ion:278 Resp: 38353
 Ion Ratio Lower Upper
 278 100
 139 20.7 16.4 24.6
 279 25.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/24/2024



#92

Benzo(g,h,i)perylene

Concen: 5.818 ng

RT: 28.938 min Scan# 4395

Delta R.T. -0.018 min

Lab File: BM047592.D

Acq: 20 Sep 2024 17:00

Tgt Ion:276 Resp: 367723
 Ion Ratio Lower Upper
 276 100
 277 22.5 18.3 27.5
 138 28.3 22.3 33.5

