

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031722\
 Data File : BM034269.D
 Acq On : 17 Mar 2022 10:34
 Operator : CG/JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 17 11:41:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/21/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	190774	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	819042	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	559406	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1179150	20.000	ng	0.00
76) Chrysene-d12	21.494	240	1143326	20.000	ng	0.00
86) Perylene-d12	23.906	264	1042839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	1549438	145.703	ng	0.00
7) Phenol-d6	7.107	99	2165138	142.202	ng	0.00
23) Nitrobenzene-d5	9.107	82	1271105	75.559	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	1087566	144.238	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	3041794	74.303	ng	0.00
79) Terphenyl-d14	19.942	244	5041212	76.616	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.354	88	34636	7.199	ng	96
3) Pyridine	3.766	79	84128	6.462	ng	94
4) n-Nitrosodimethylamine	3.672	42	43580	7.049	ng	95
6) Aniline	7.266	93	133233	7.657	ng	98
8) 2-Chlorophenol	7.507	128	86216	6.932	ng	99
9) Benzaldehyde	7.078	77	81835m	9.976	ng	
10) Phenol	7.131	94	107443	7.095	ng	95
11) bis(2-Chloroethyl)ether	7.366	93	86990	6.999	ng	100
12) 1,3-Dichlorobenzene	7.837	146	100240	7.105	ng	98
13) 1,4-Dichlorobenzene	7.984	146	101603	7.034	ng	99
14) 1,2-Dichlorobenzene	8.301	146	99591	7.073	ng	98
15) Benzyl Alcohol	8.184	79	80903	6.677	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.484	45	121416	7.118	ng	97
17) 2-Methylphenol	8.384	107	71263	6.719	ng	98
18) Hexachloroethane	9.036	117	37515	7.042	ng	94
19) n-Nitroso-di-n-propyla...	8.754	70	78001	7.082	ng	99
20) 3+4-Methylphenols	8.713	107	96450	6.576	ng	99
22) Acetophenone	8.766	105	143943	6.848	ng	# 96
24) Nitrobenzene	9.148	77	114950	7.319	ng	99
25) Isophorone	9.678	82	204974	7.281	ng	98
26) 2-Nitrophenol	9.866	139	42562	6.111	ng	96
27) 2,4-Dimethylphenol	9.925	122	84467	7.745	ng	99
28) bis(2-Chloroethoxy)met...	10.160	93	120681	6.696	ng	98
29) 2,4-Dichlorophenol	10.401	162	80888	6.383	ng	99
30) 1,2,4-Trichlorobenzene	10.625	180	96727	6.715	ng	97
31) Naphthalene	10.807	128	293435	6.877	ng	99
32) Benzoic acid	9.995	122	32428	3.596	ng	95
33) 4-Chloroaniline	10.913	127	110958	6.592	ng	98
34) Hexachlorobutadiene	11.107	225	60305	6.610	ng	98
35) Caprolactam	11.672	113	26049	5.913	ng	94
36) 4-Chloro-3-methylphenol	12.036	107	92524	6.371	ng	96
37) 2-Methylnaphthalene	12.419	142	209102	6.868	ng	99
38) 1-Methylnaphthalene	12.636	142	205683	6.906	ng	98
40) 1,2,4,5-Tetrachloroben...	12.789	216	113361	6.715	ng	99
41) Hexachlorocyclopentadiene	12.771	237	72162	7.382	ng	99
43) 2,4,6-Trichlorophenol	13.019	196	69155	5.933	ng	96

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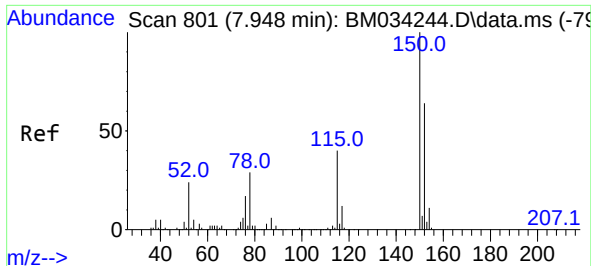
Quant Time: Mar 17 11:41:49 2022
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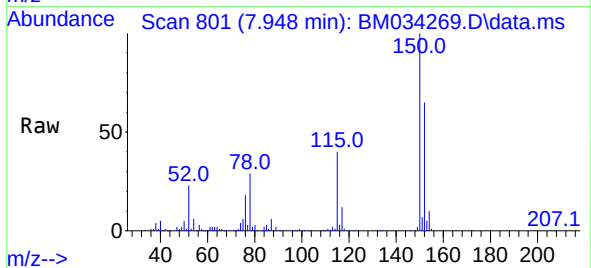
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	77566	6.200	ng	100
46) 1,1'-Biphenyl	13.424	154	288460	6.763	ng	99
47) 2-Chloronaphthalene	13.466	162	214433	6.549	ng	98
48) 2-Nitroaniline	13.660	65	57322	5.727	ng	94
49) Acenaphthylene	14.307	152	358052	7.017	ng	100
50) Dimethylphthalate	14.036	163	280627	6.591	ng	100
51) 2,6-Dinitrotoluene	14.154	165	59074	6.765	ng	99
52) Acenaphthene	14.648	154	221966	6.458	ng	99
53) 3-Nitroaniline	14.477	138	48370	5.521	ng	98
54) 2,4-Dinitrophenol	14.689	184	19399	3.965	ng	87
55) Dibenzofuran	14.977	168	342385	6.684	ng	98
56) 4-Nitrophenol	14.783	139	34368	4.839	ng	97
57) 2,4-Dinitrotoluene	14.936	165	74080	6.276	ng	98
58) Fluorene	15.630	166	278932	6.708	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.207	232	69683	6.177	ng	98
60) Diethylphthalate	15.401	149	293494	6.719	ng	99
61) 4-Chlorophenyl-phenyle...	15.624	204	142144	6.695	ng	99
62) 4-Nitroaniline	15.636	138	43606m	5.174	ng	
63) Azobenzene	15.912	77	277985	6.600	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	35663	4.651	ng	95
66) n-Nitrosodiphenylamine	15.830	169	241416	6.444	ng	99
67) 4-Bromophenyl-phenylether	16.512	248	87552	6.459	ng	99
68) Hexachlorobenzene	16.636	284	101076	6.685	ng	97
69) Atrazine	16.777	200	87131	7.056	ng	98
70) Pentachlorophenol	16.971	266	54998	5.688	ng	98
71) Phenanthrene	17.365	178	439536	6.656	ng	99
72) Anthracene	17.454	178	438903	6.829	ng	99
73) Carbazole	17.724	167	359896	6.004	ng	99
74) Di-n-butylphthalate	18.289	149	478264	6.418	ng	99
75) Fluoranthene	19.377	202	503533	6.802	ng	99
77) Benzidine	19.559	184	117521m	7.014	ng	
78) Pyrene	19.736	202	529968	6.579	ng	100
80) Butylbenzylphthalate	20.630	149	202415	5.942	ng	100
81) Benzo(a)anthracene	21.477	228	483515	6.700	ng	100
82) 3,3'-Dichlorobenzidine	21.412	252	148541	6.163	ng	100
83) Chrysene	21.530	228	478414	6.492	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	304275	6.048	ng	100
85) Di-n-octyl phthalate	22.336	149	483874	6.059	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	353981	5.277	ng	99
88) Benzo(b)fluoranthene	23.171	252	430566	6.905	ng	98
89) Benzo(k)fluoranthene	23.218	252	472094	7.147	ng	99
90) Benzo(a)pyrene	23.800	252	385561	7.293	ng	99
91) Dibenzo(a,h)anthracene	26.435	278	297604	5.471	ng	98
92) Benzo(g,h,i)perylene	27.194	276	326655	5.802	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

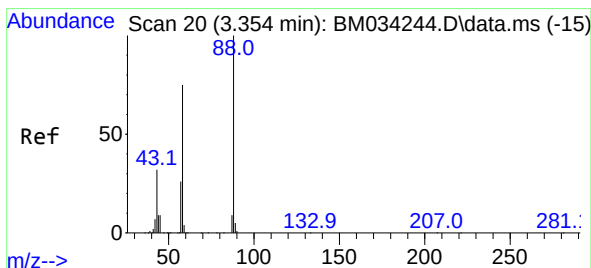
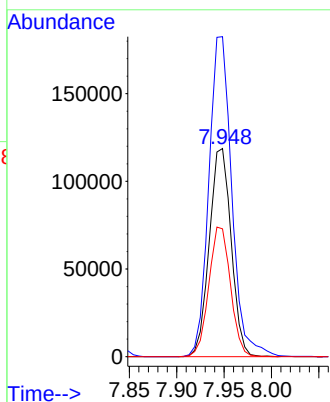
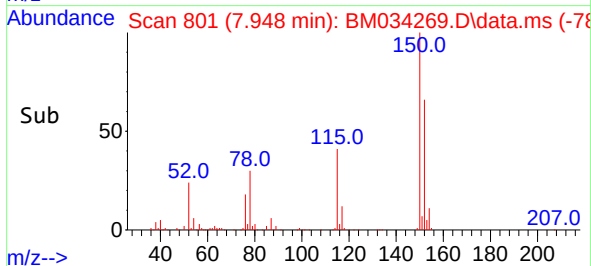
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



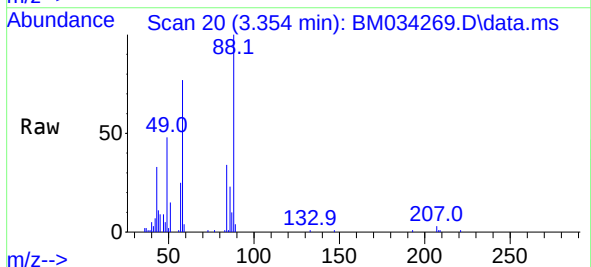
Tgt Ion:152 Resp: 190774
Ion Ratio Lower Upper
152 100
150 153.7 125.4 188.2
115 61.4 50.1 75.1

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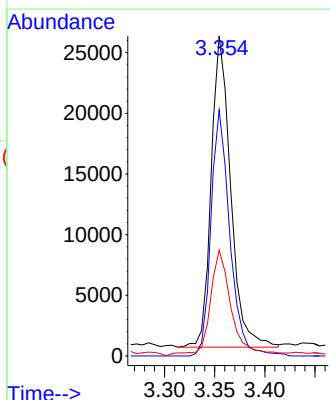
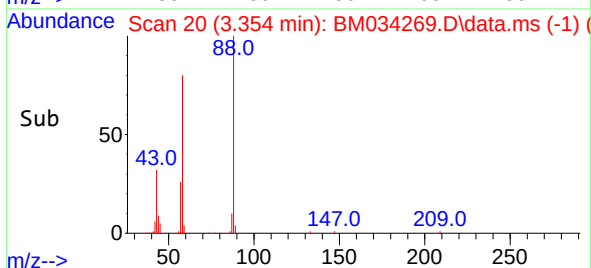
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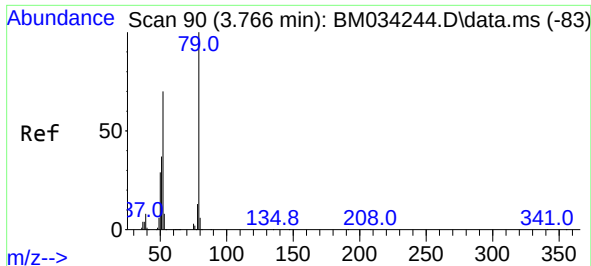


#2
1,4-Dioxane
Concen: 7.199 ng
RT: 3.354 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



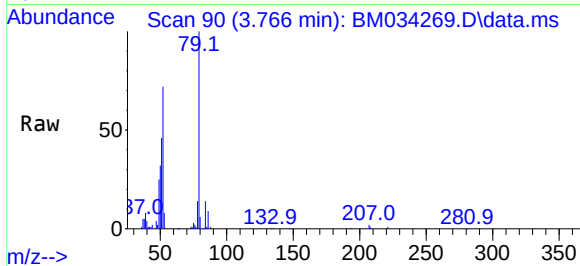
Tgt Ion: 88 Resp: 34636
Ion Ratio Lower Upper
88 100
58 76.4 60.4 90.6
43 37.4 25.4 38.0





#3
 Pyridine
 Concen: 6.462 ng
 RT: 3.766 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34

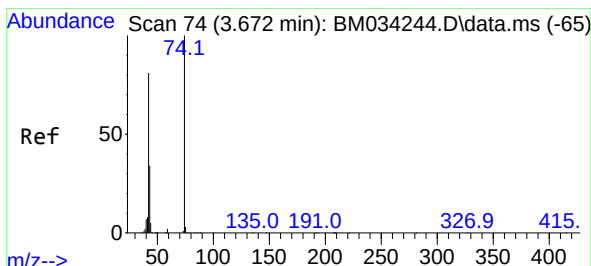
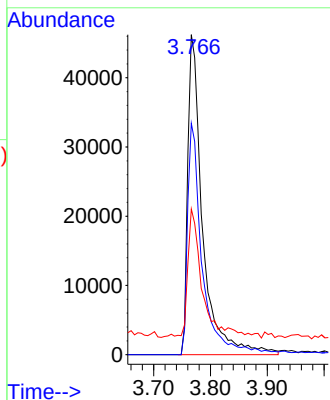
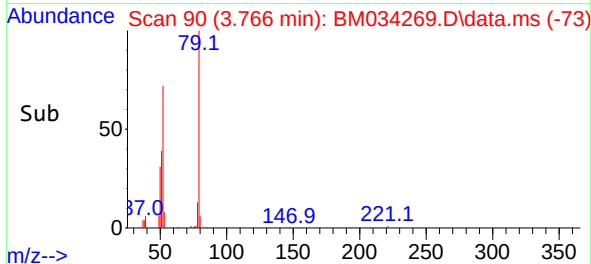
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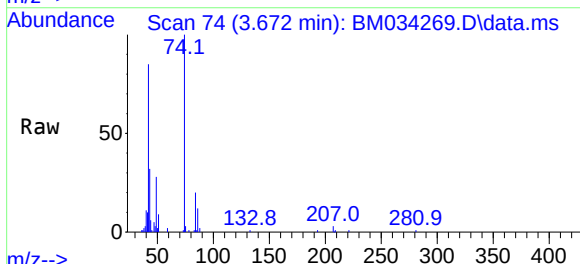
Tgt Ion: 79 Resp: 84128
 Ion Ratio Lower Upper
 79 100
 52 72.3 56.1 84.1
 51 45.5 30.4 45.6

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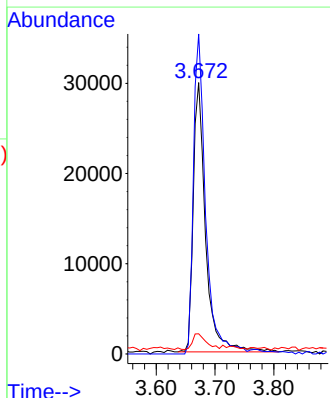
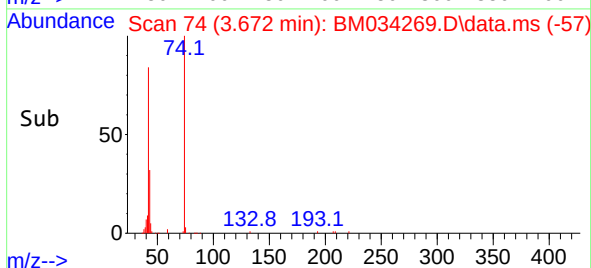
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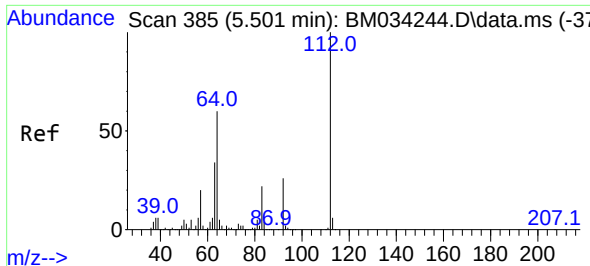


#4
 n-Nitrosodimethylamine
 Concen: 7.049 ng
 RT: 3.672 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34



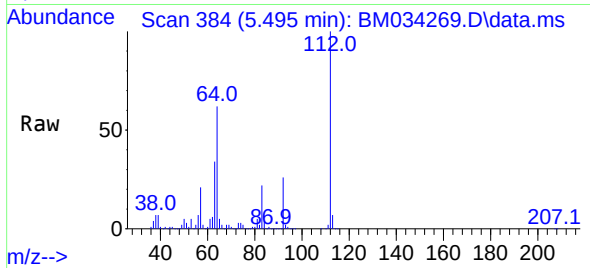
Tgt Ion: 42 Resp: 43580
 Ion Ratio Lower Upper
 42 100
 74 118.0 99.3 148.9
 44 7.4 5.0 7.6





#5
2-Fluorophenol
Concen: 145.703 ng
RT: 5.495 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

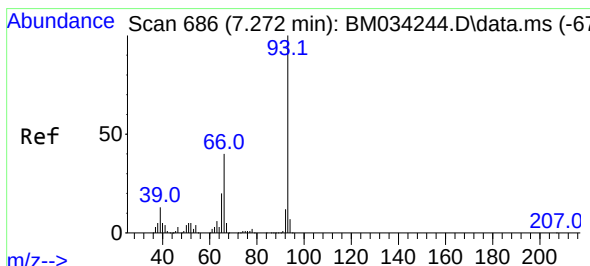
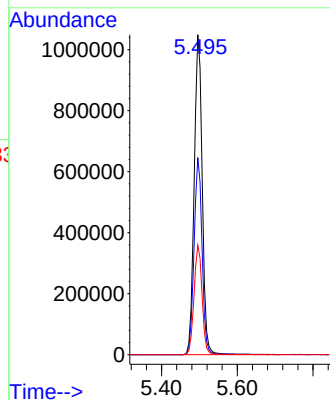
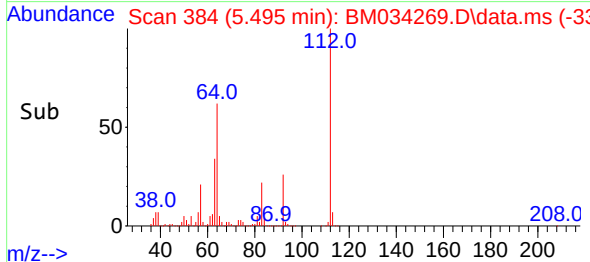
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BNA_M
ClientSampleId :
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Tgt Ion:112 Resp: 1549438
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 34.1 27.1 40.7

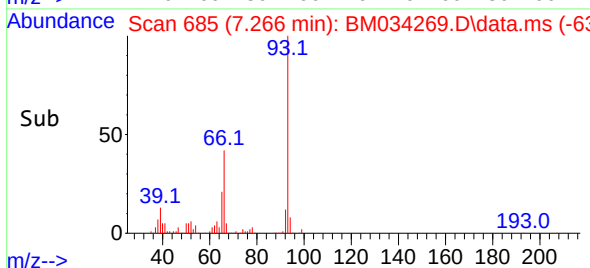
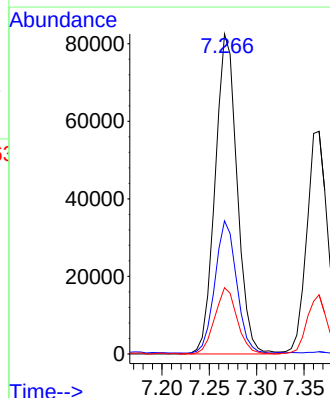
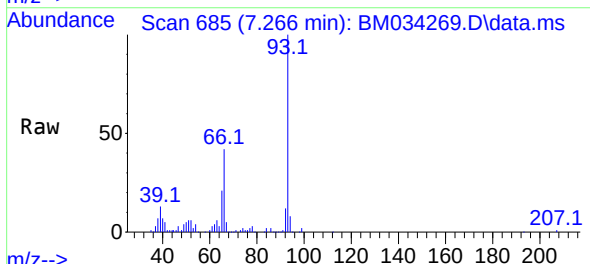
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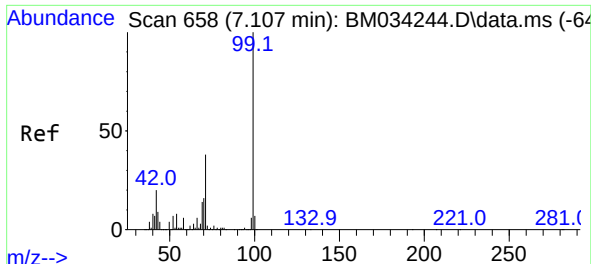
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#6
Aniline
Concen: 7.657 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

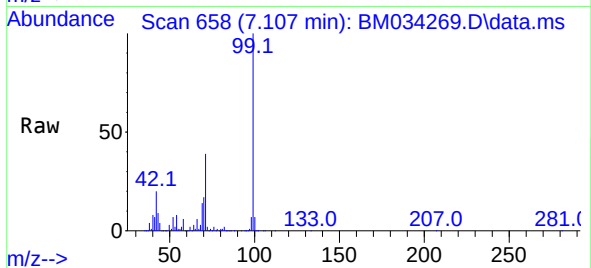
Tgt Ion: 93 Resp: 133233
Ion Ratio Lower Upper
93 100
66 41.6 31.9 47.9
65 20.7 16.2 24.4





#7
Phenol-d6
Concen: 142.202 ng
RT: 7.107 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

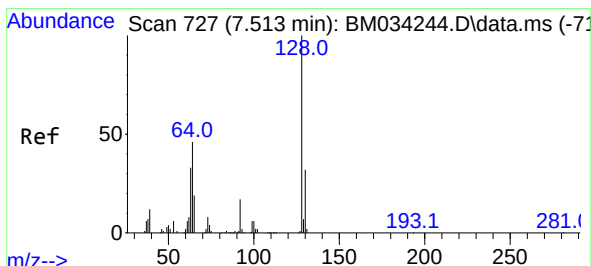
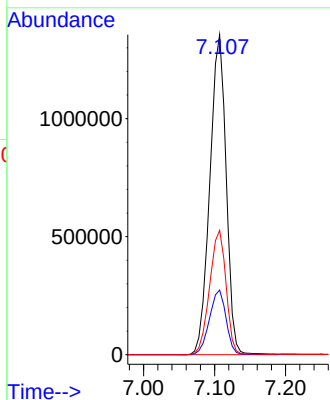
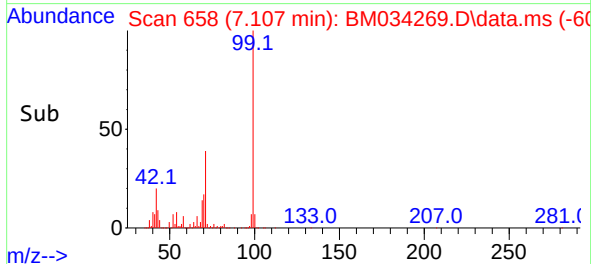
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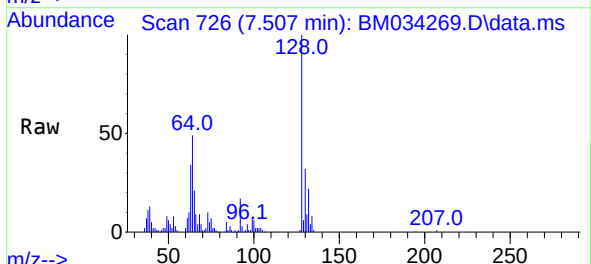
Tgt Ion: 99 Resp: 2165138
Ion Ratio Lower Upper
99 100
42 20.2 15.6 23.4
71 38.9 30.6 46.0

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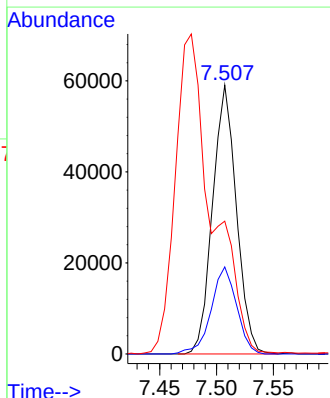
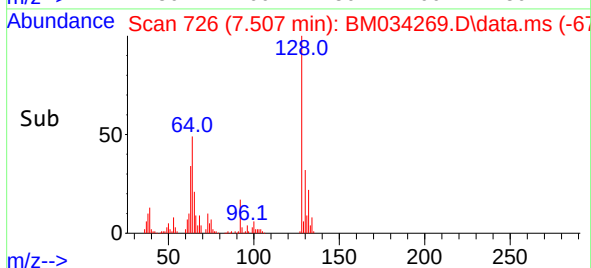
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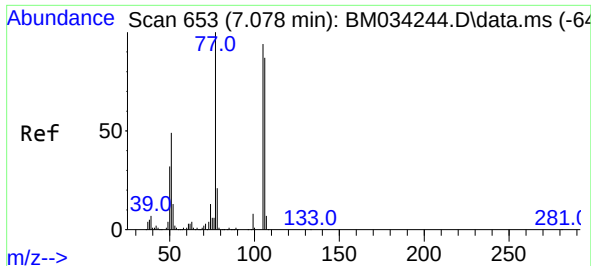


#8
2-Chlorophenol
Concen: 6.932 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



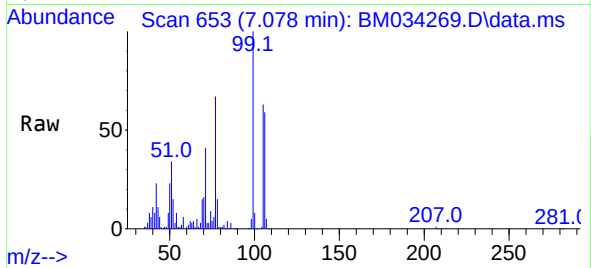
Tgt Ion:128 Resp: 86216
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 49.4 28.1 68.1





#9
Benzaldehyde
Concen: 9.976 ng m
RT: 7.078 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

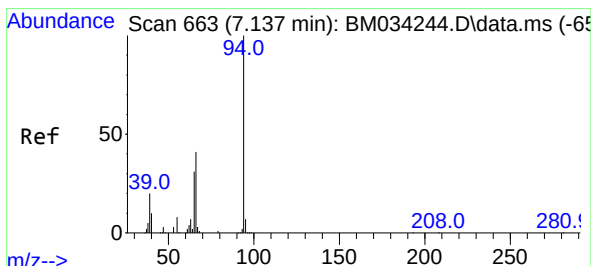
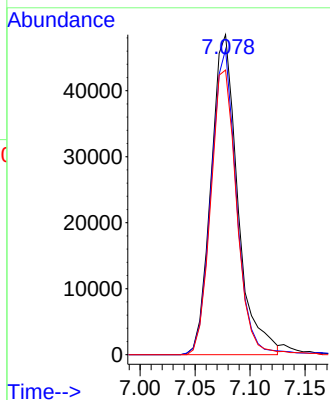
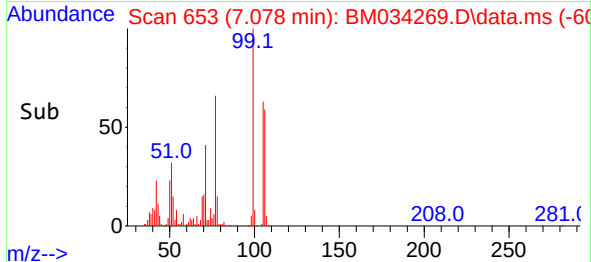
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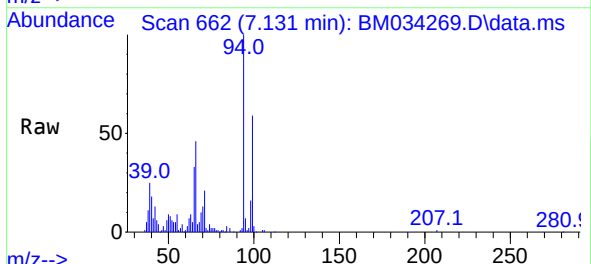
Tgt Ion: 77 Resp: 8183
Ion Ratio Lower Upper
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105 95.4 73.9 113.9
106 88.9 67.2 107.2

Manual Integrations
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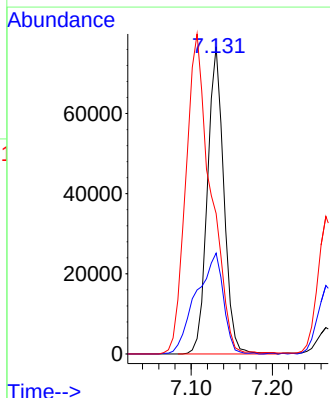
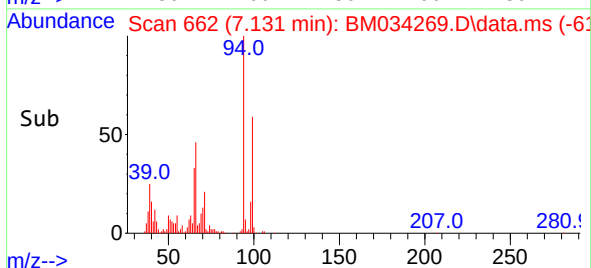
Reviewed By :Christian Giraldo 03/21/2022
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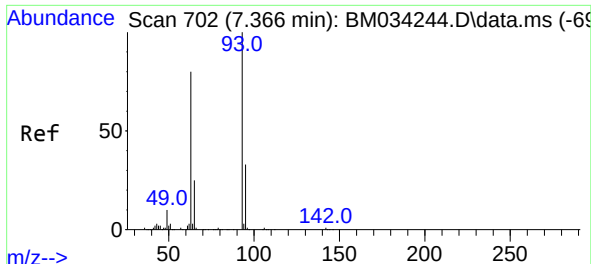


#10
Phenol
Concen: 7.095 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



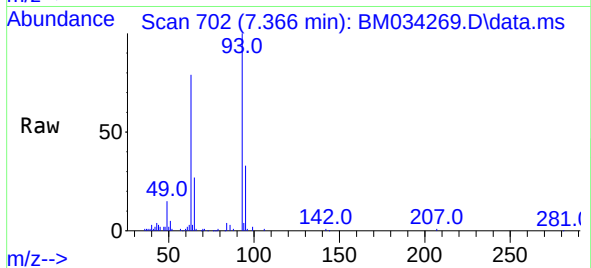
Tgt Ion: 94 Resp: 107443
Ion Ratio Lower Upper
94 100
65 32.8 10.9 50.9
66 45.7 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 6.999 ng
RT: 7.366 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

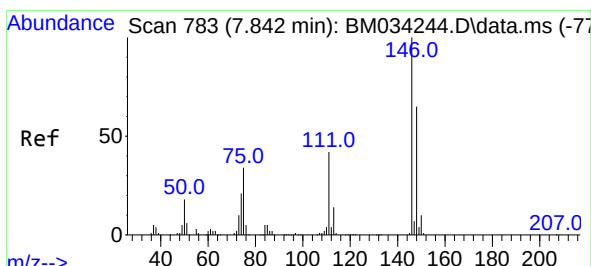
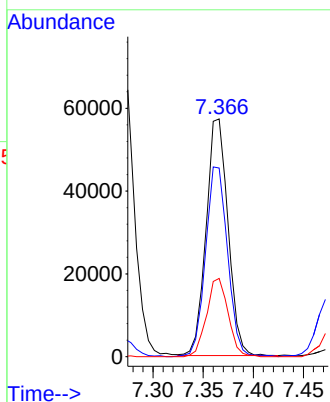
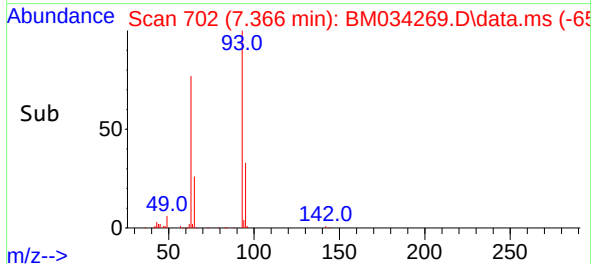
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



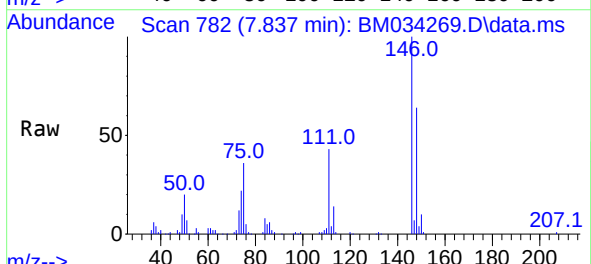
Tgt Ion: 93 Resp: 86990
Ion Ratio Lower Upper
93 100
63 79.3 59.6 99.6
95 32.9 12.6 52.6

Manual Integrations
APPROVED

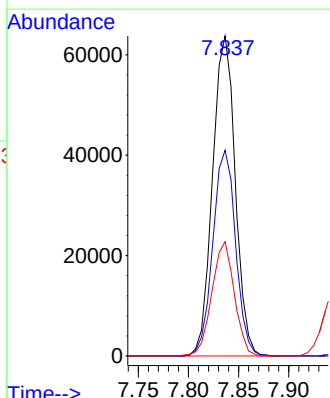
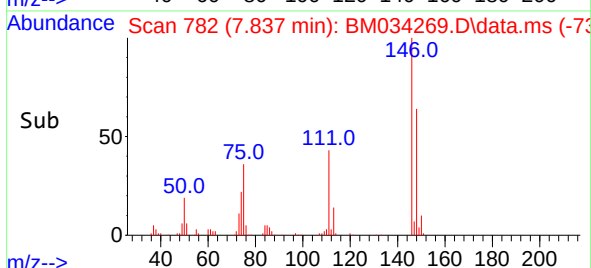
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

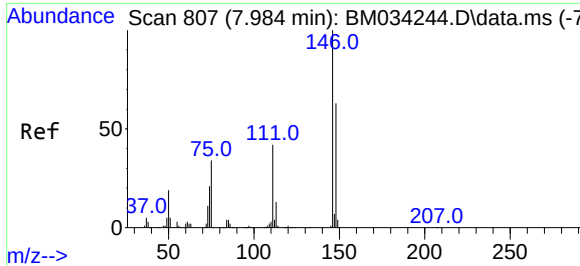


#12
1,3-Dichlorobenzene
Concen: 7.105 ng
RT: 7.837 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



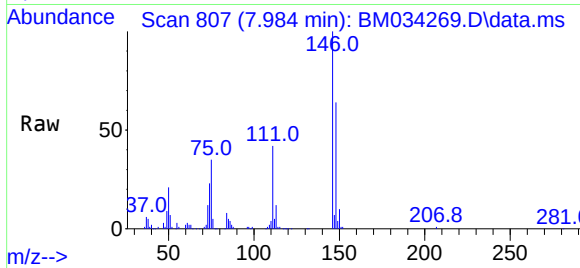
Tgt Ion:146 Resp: 100240
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 35.8 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 7.034 ng
RT: 7.984 min Scan# 807
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

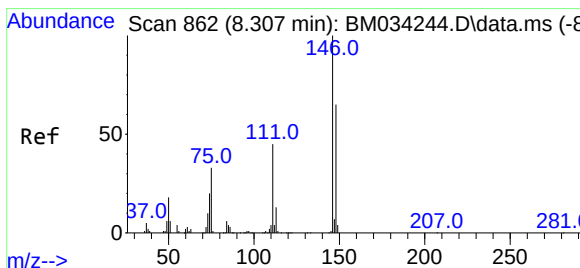
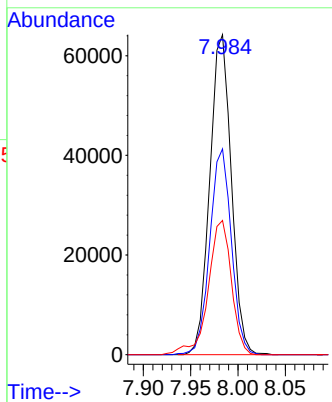
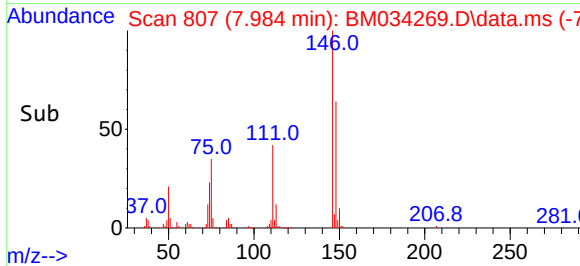
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



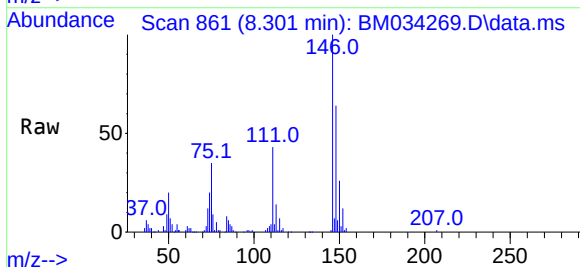
Tgt Ion:146 Resp: 101600
Ion Ratio Lower Upper
146 100
148 64.3 50.6 76.0
111 42.0 34.0 51.0

Manual Integrations
APPROVED

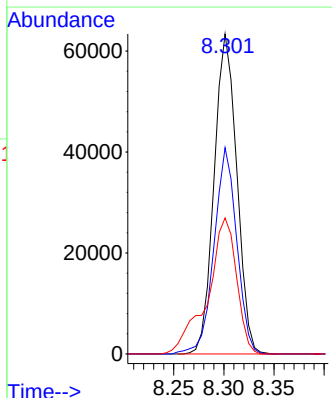
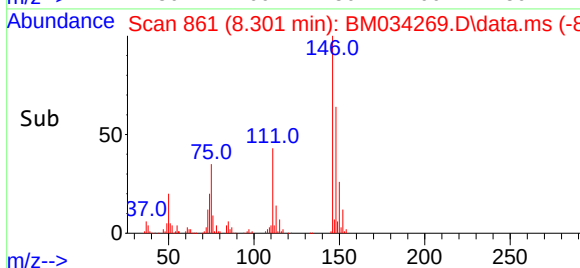
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

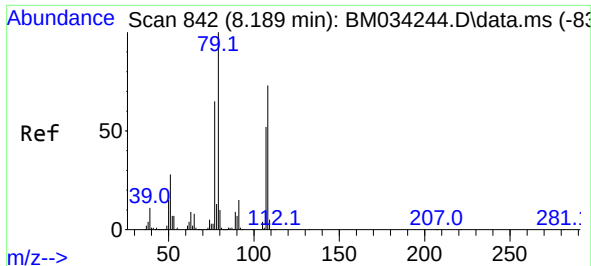


#14
1,2-Dichlorobenzene
Concen: 7.073 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



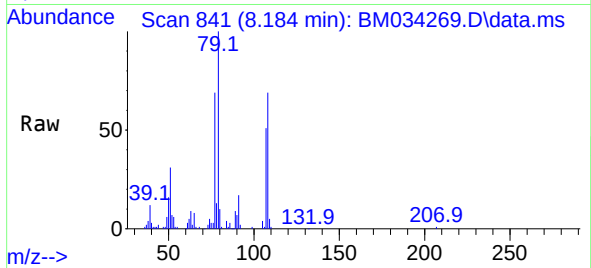
Tgt Ion:146 Resp: 99591
Ion Ratio Lower Upper
146 100
148 64.4 52.2 78.4
111 42.5 35.8 53.8





#15
Benzyl Alcohol
Concen: 6.677 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

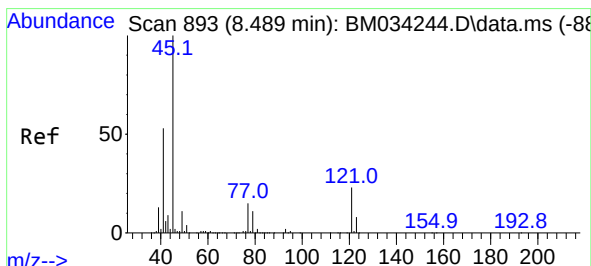
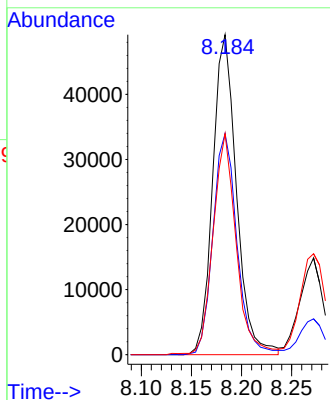
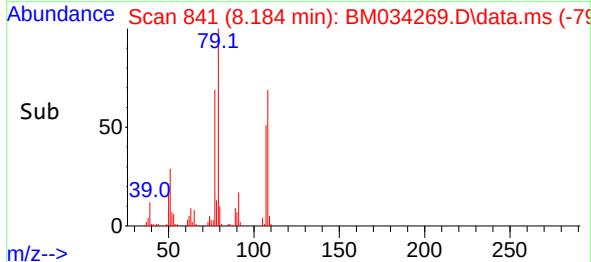
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 79 Resp: 8090
Ion Ratio Lower Upper
79 100
108 69.1 58.1 87.1
77 69.0 51.8 77.6

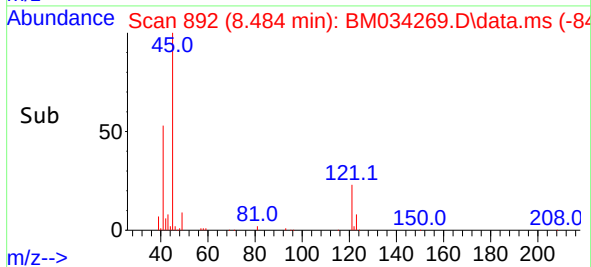
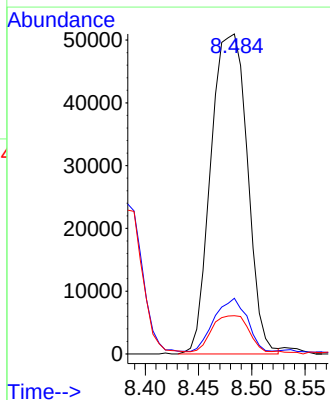
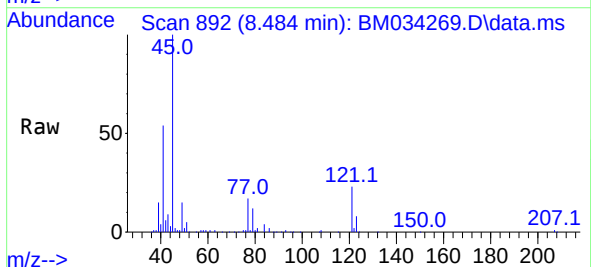
Manual Integrations
APPROVED

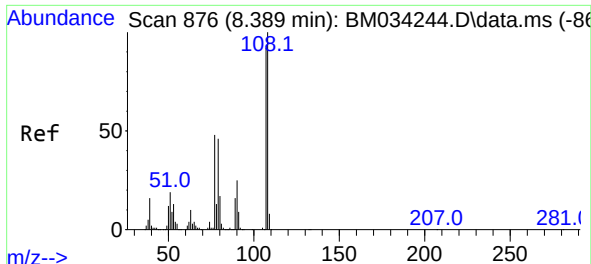
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.118 ng
RT: 8.484 min Scan# 892
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

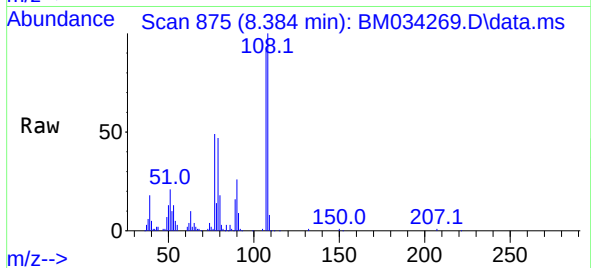
Tgt Ion: 45 Resp: 121416
Ion Ratio Lower Upper
45 100
77 17.4 0.0 35.7
79 11.9 0.0 31.7





#17
2-Methylphenol
Concen: 6.719 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

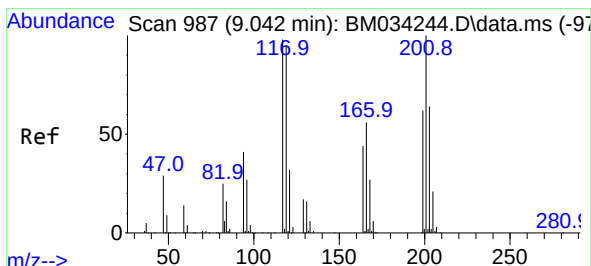
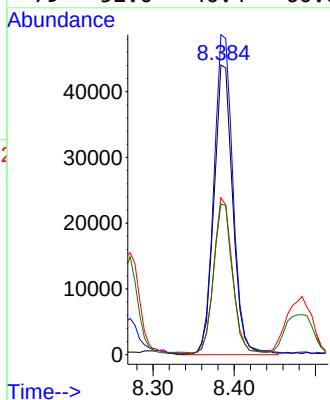
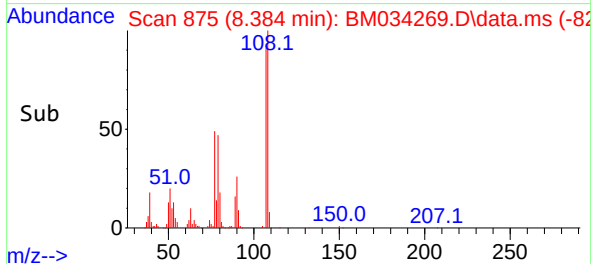


Tgt Ion:107 Resp: 7126

Ion	Ratio	Lower	Upper
107	100		
108	110.4	87.3	130.9
77	54.2	41.6	62.4
79	52.0	40.4	60.6

Manual Integrations
APPROVED

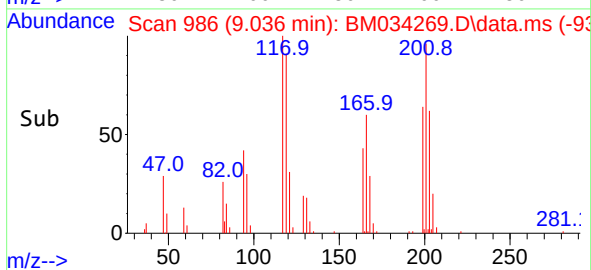
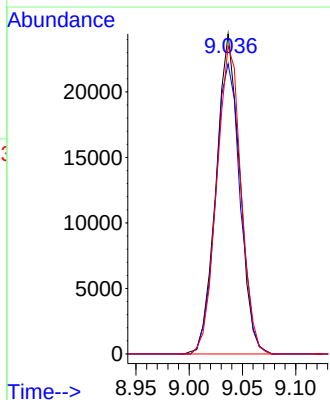
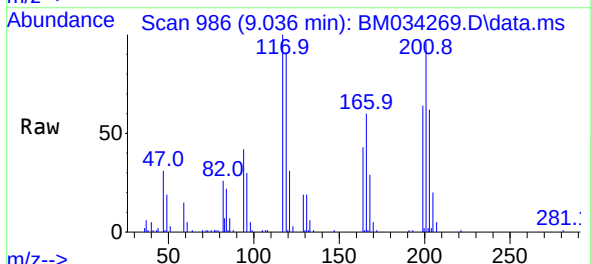
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

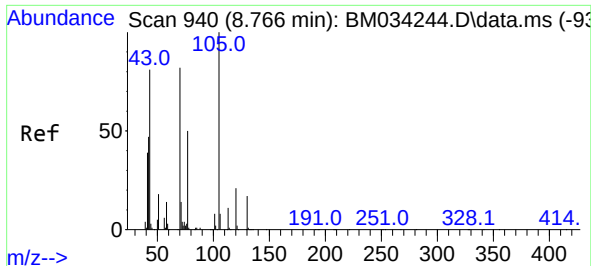


#18
Hexachloroethane
Concen: 7.042 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

Tgt Ion:117 Resp: 37515

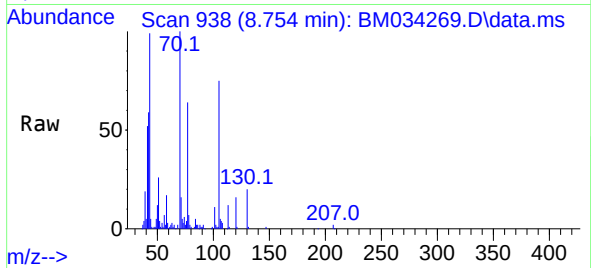
Ion	Ratio	Lower	Upper
117	100		
119	90.7	77.4	116.0
201	96.3	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.082 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

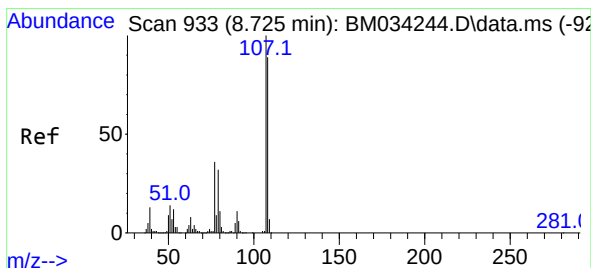
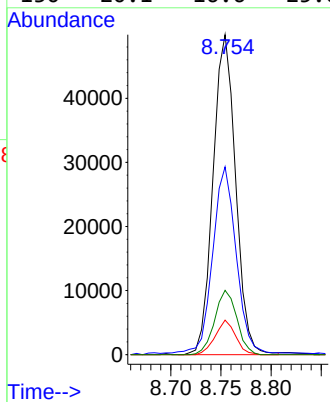
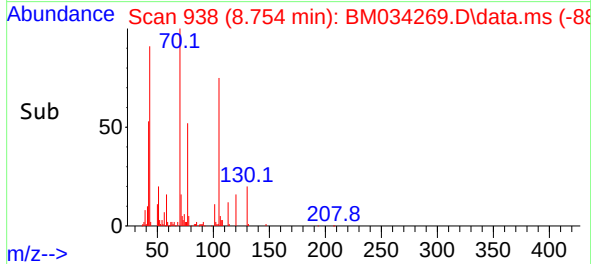
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



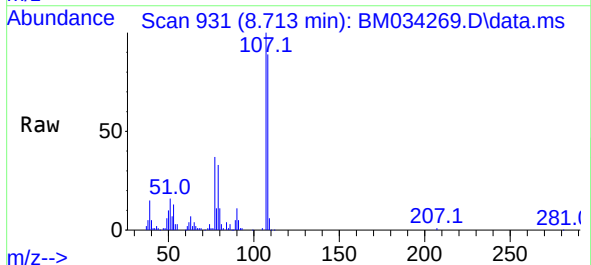
Tgt Ion: 70 Resp: 7800
Ion Ratio Lower Upper
70 100
42 58.7 46.7 70.1
101 10.8 7.8 11.6
130 20.1 16.6 25.0

Manual Integrations
APPROVED

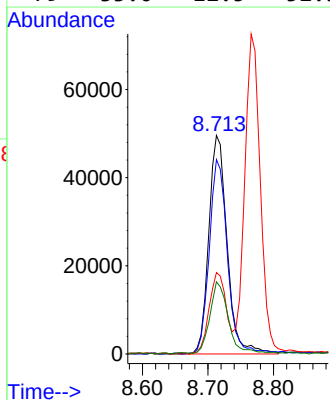
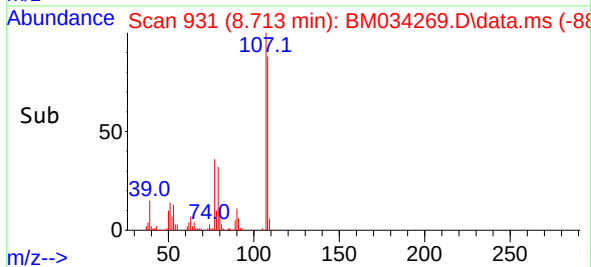
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

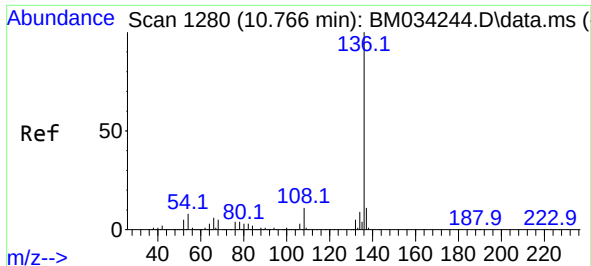


#20
3+4-Methylphenols
Concen: 6.576 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



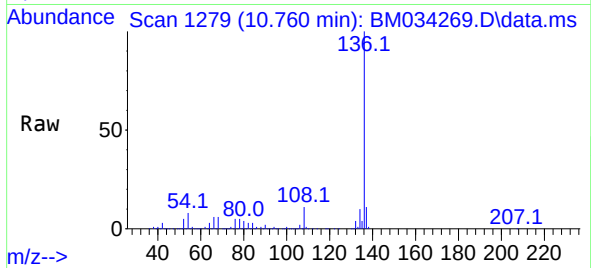
Tgt Ion:107 Resp: 96450
Ion Ratio Lower Upper
107 100
108 89.0 69.2 109.2
77 37.3 16.5 56.5
79 33.0 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

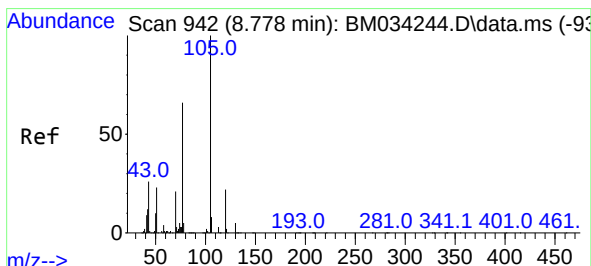
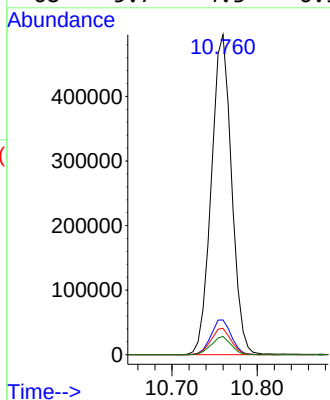
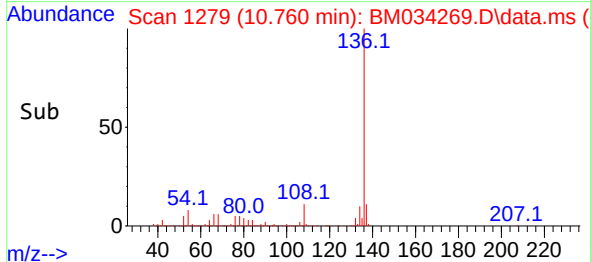
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



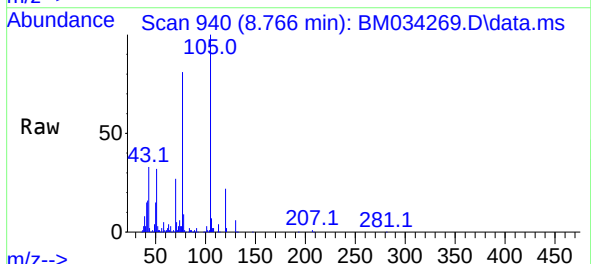
Tgt Ion:136 Resp: 81904
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.2 9.4
68 5.7 4.3 6.5

Manual Integrations
APPROVED

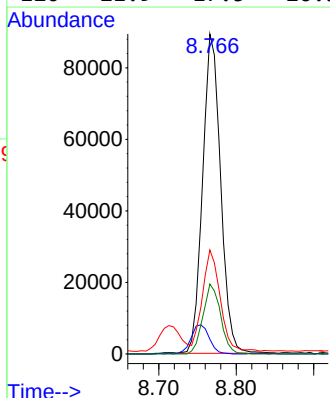
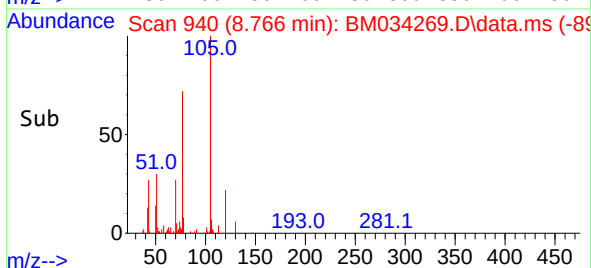
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

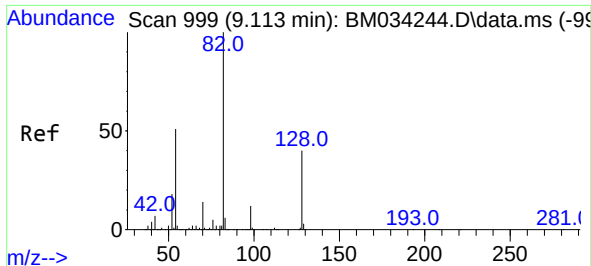


#22
Acetophenone
Concen: 6.848 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



Tgt Ion:105 Resp: 143943
Ion Ratio Lower Upper
105 100
71 4.6 3.0 4.4#
51 32.5 22.6 33.8
120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 75.559 ng

RT: 9.107 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM034269.D

Acq: 17 Mar 2022 10:34

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 82 Resp: 127110

Ion Ratio Lower Upper

82 100

128 39.1 31.9 47.9

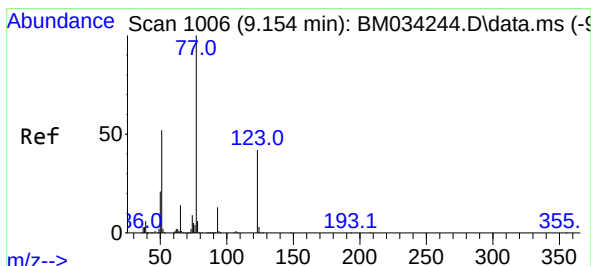
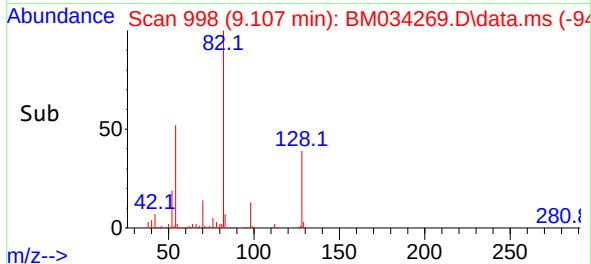
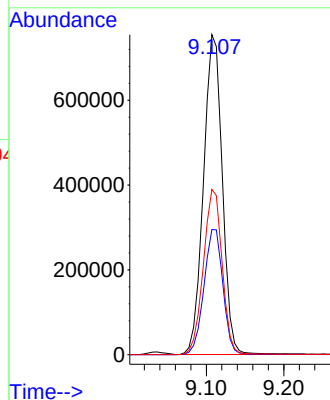
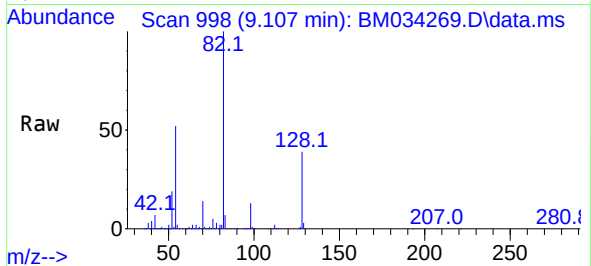
54 51.6 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#24

Nitrobenzene

Concen: 7.319 ng

RT: 9.148 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM034269.D

Acq: 17 Mar 2022 10:34

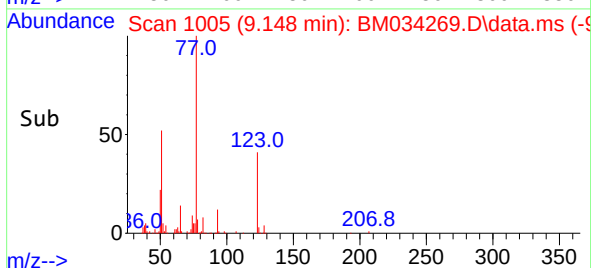
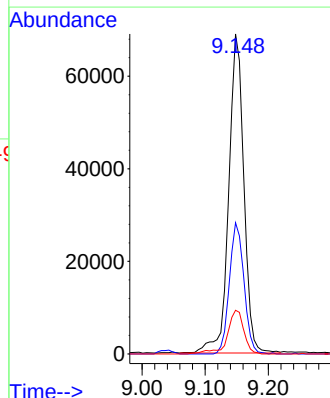
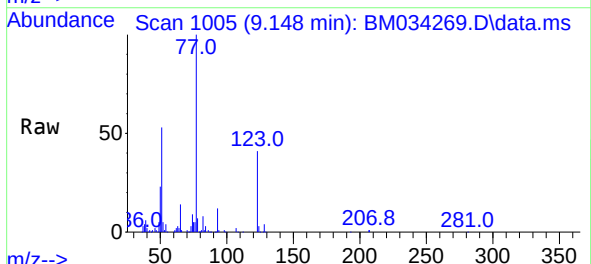
Tgt Ion: 77 Resp: 114950

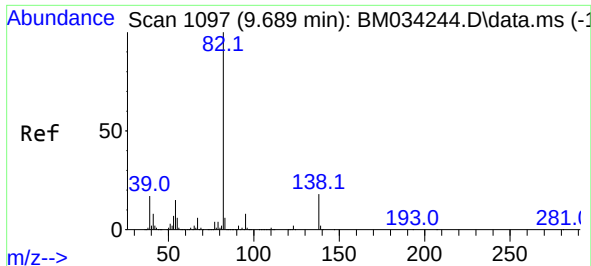
Ion Ratio Lower Upper

77 100

123 41.0 33.3 49.9

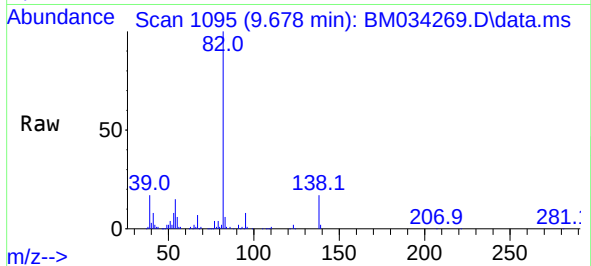
65 13.6 11.0 16.4





#25
Isophorone
Concen: 7.281 ng
RT: 9.678 min Scan# 1097
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

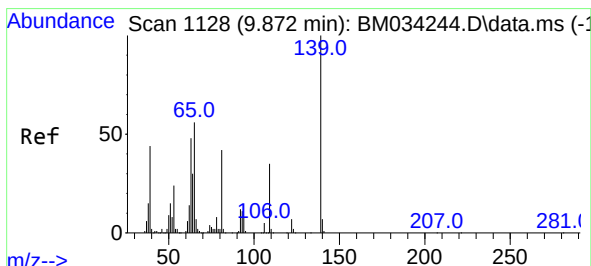
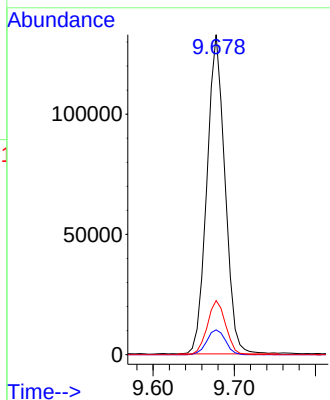
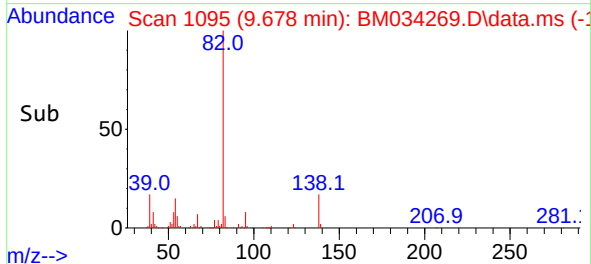
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



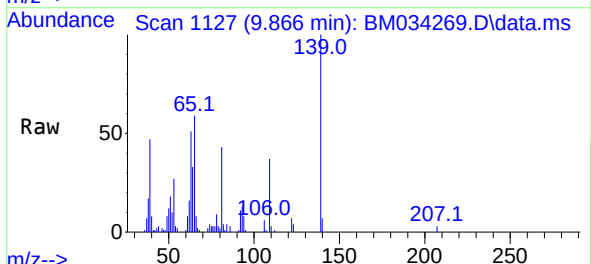
Tgt Ion: 82 Resp: 204974
Ion Ratio Lower Upper
82 100
95 7.8 6.6 9.8
138 16.9 14.4 21.6

Manual Integrations
APPROVED

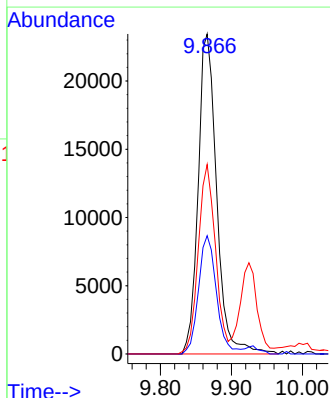
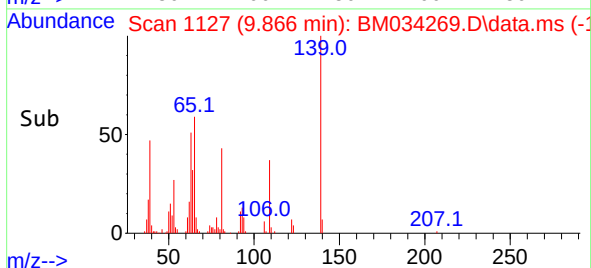
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

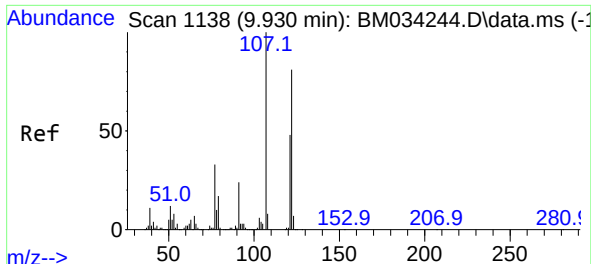


#26
2-Nitrophenol
Concen: 6.111 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



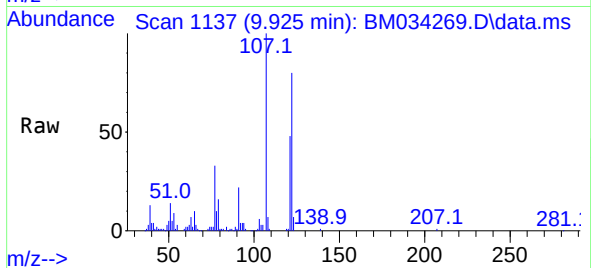
Tgt Ion:139 Resp: 42562
Ion Ratio Lower Upper
139 100
109 37.0 28.1 42.1
65 59.2 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 7.745 ng
RT: 9.925 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

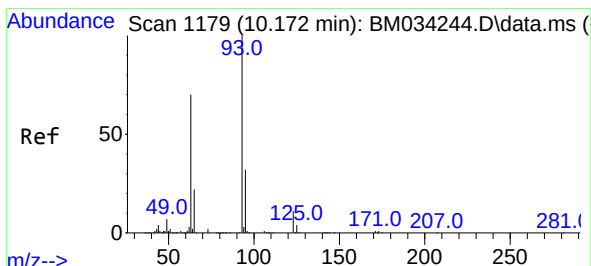
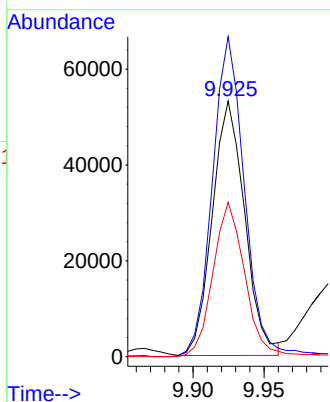
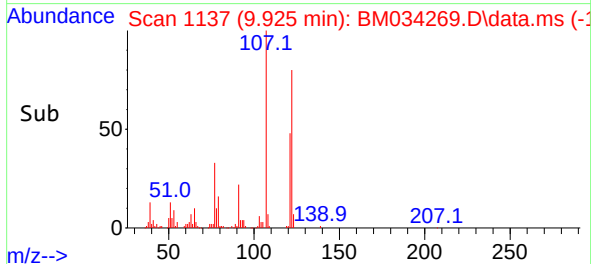
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



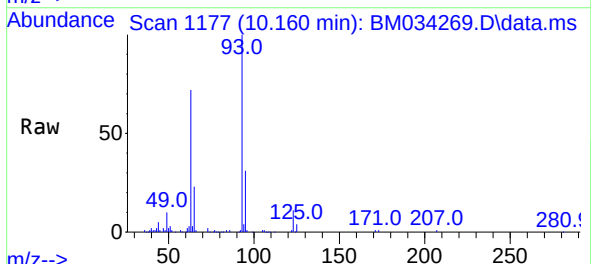
Tgt Ion:122 Resp: 8446
Ion Ratio Lower Upper
122 100
107 125.2 99.0 148.6
121 60.4 47.7 71.5

Manual Integrations
APPROVED

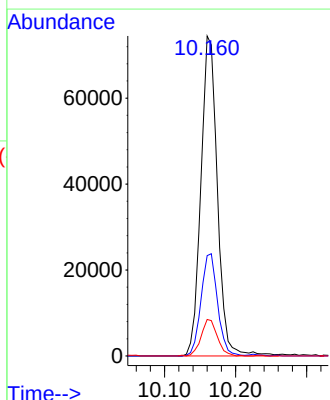
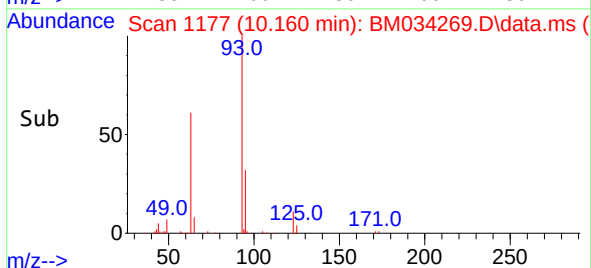
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

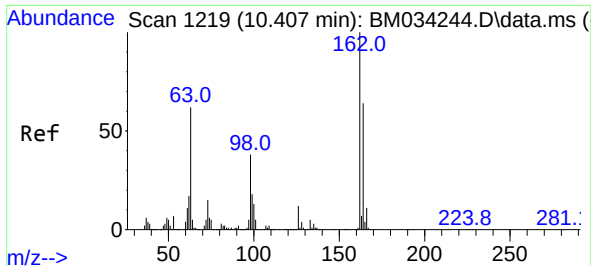


#28
bis(2-Chloroethoxy)methane
Concen: 6.696 ng
RT: 10.160 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



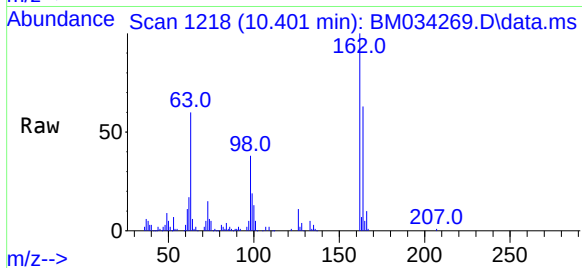
Tgt Ion: 93 Resp: 120681
Ion Ratio Lower Upper
93 100
95 31.4 26.0 39.0
123 11.4 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 6.383 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

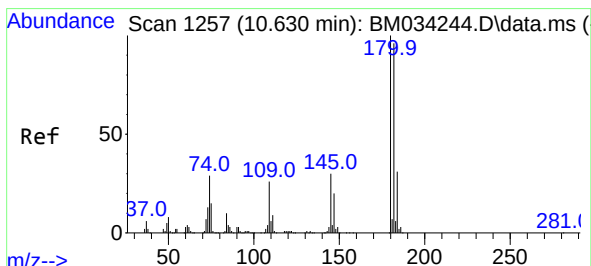
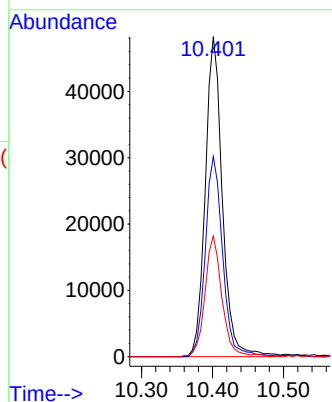
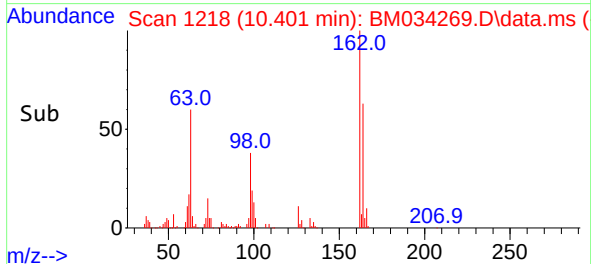
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



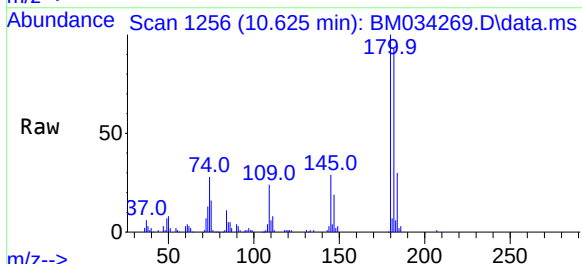
Tgt Ion:162 Resp: 8088
Ion Ratio Lower Upper
162 100
164 62.5 43.9 83.9
98 37.7 17.6 57.6

Manual Integrations
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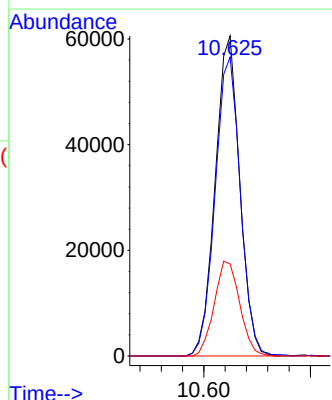
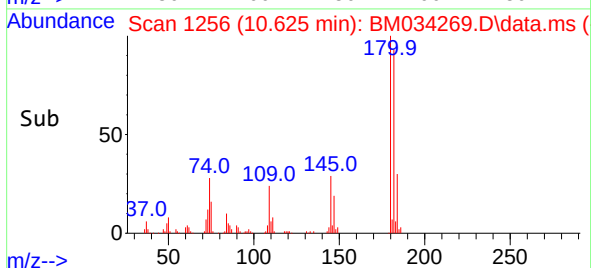
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

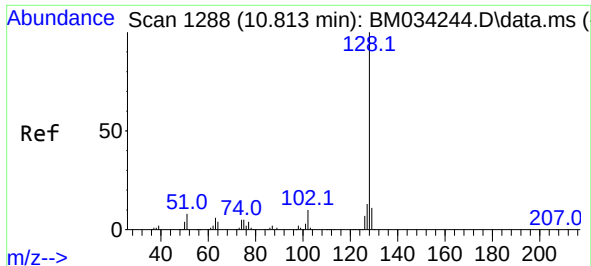


#30
1,2,4-Trichlorobenzene
Concen: 6.715 ng
RT: 10.625 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



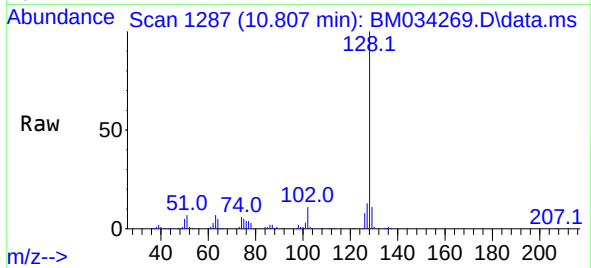
Tgt Ion:180 Resp: 96727
Ion Ratio Lower Upper
180 100
182 93.4 77.0 115.4
145 28.8 23.7 35.5





#31
Naphthalene
Concen: 6.877 ng
RT: 10.807 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

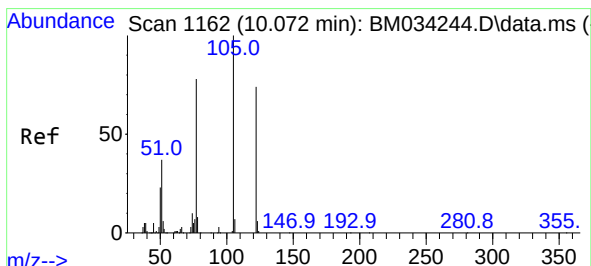
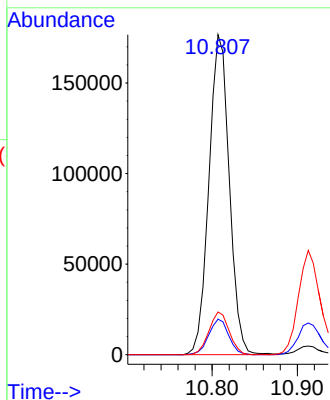
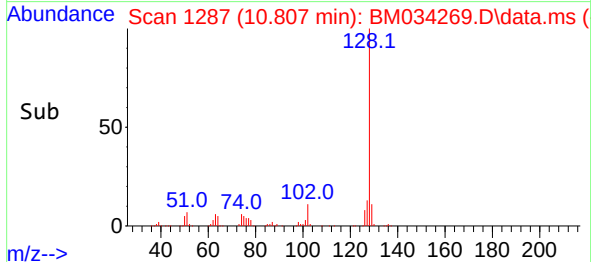
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 29343
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.4 10.2 15.4

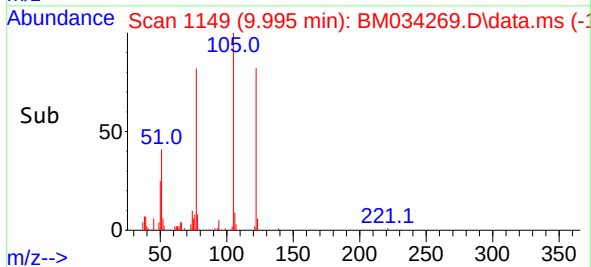
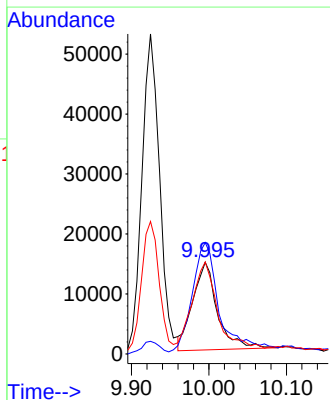
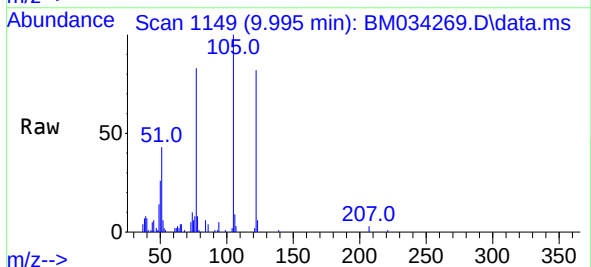
Manual Integrations
APPROVED

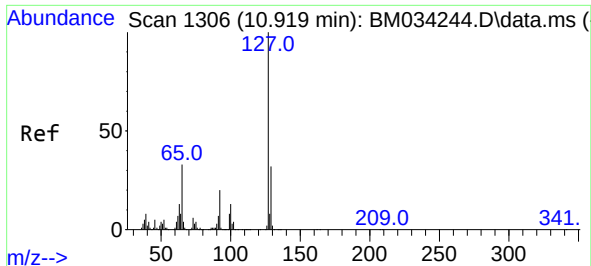
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#32
Benzoic acid
Concen: 3.596 ng
RT: 9.995 min Scan# 1149
Delta R.T. -0.077 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

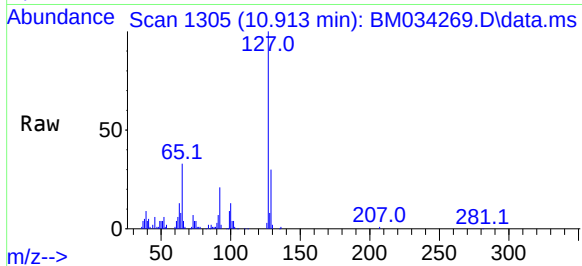
Tgt Ion:122 Resp: 32428
Ion Ratio Lower Upper
122 100
105 121.5 109.6 149.6
77 100.3 83.1 123.1





#33
4-Chloroaniline
Concen: 6.592 ng
RT: 10.913 min Scan# 11095
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

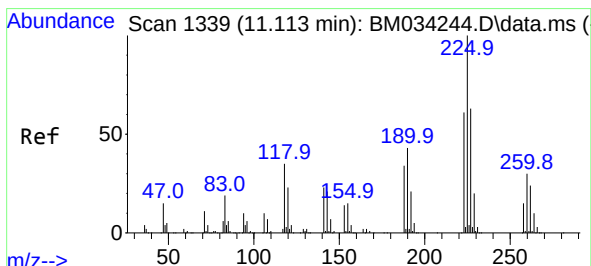
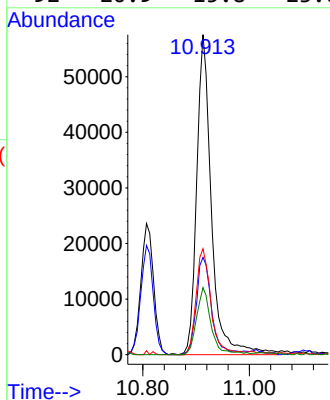
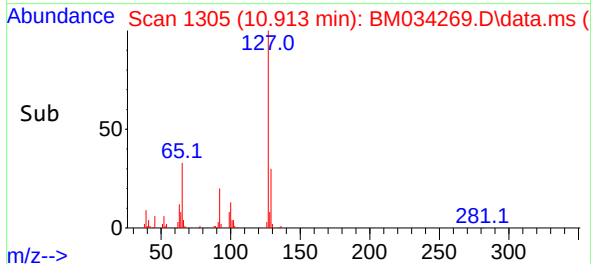
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:127 Resp: 11095
Ion Ratio Lower Upper
127 100
129 30.4 25.4 38.2
65 33.1 26.2 39.2
92 20.9 15.8 23.6

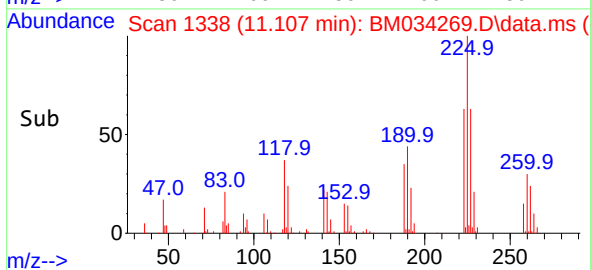
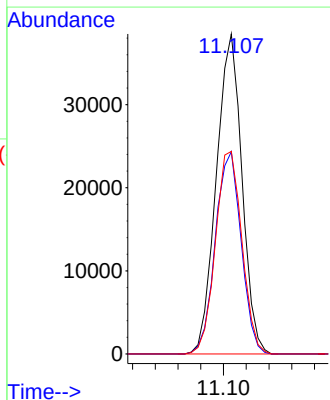
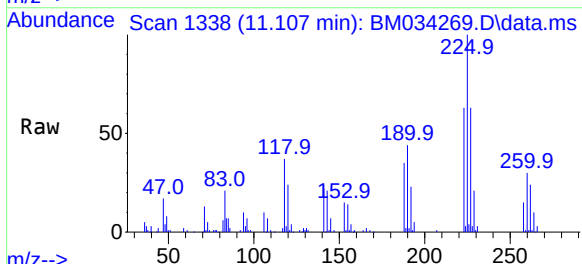
Manual Integrations
APPROVED

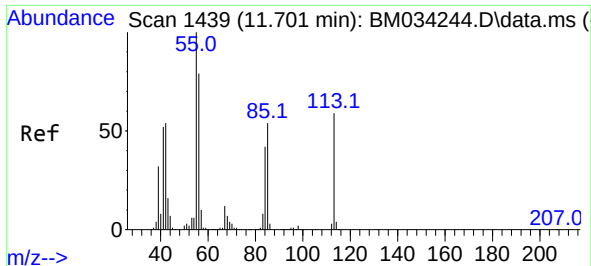
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#34
Hexachlorobutadiene
Concen: 6.610 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

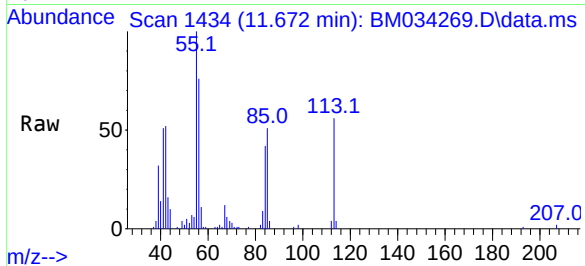
Tgt Ion:225 Resp: 60305
Ion Ratio Lower Upper
225 100
223 63.2 49.0 73.4
227 63.3 50.2 75.2





#35
Caprolactam
Concen: 5.913 ng
RT: 11.672 min Scan# 1434
Delta R.T. -0.029 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

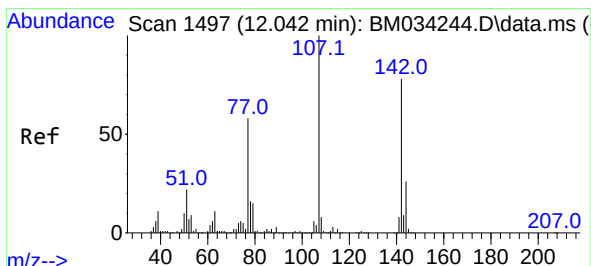
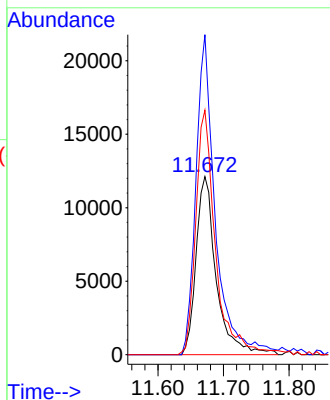
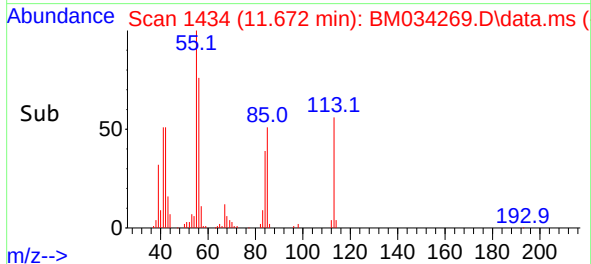
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



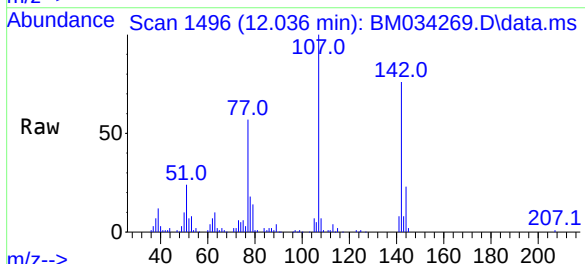
Tgt Ion:113 Resp: 26049
Ion Ratio Lower Upper
113 100
55 179.6 148.9 188.9
56 137.3 113.3 153.3

Manual Integrations
APPROVED

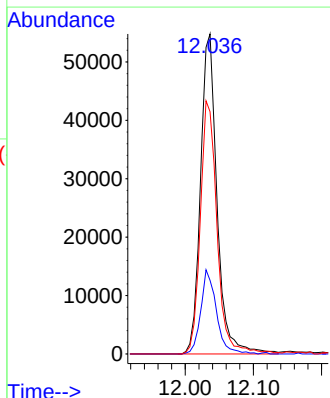
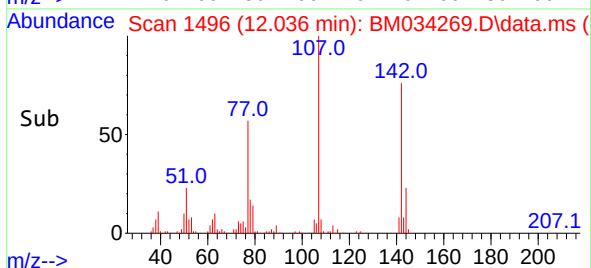
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

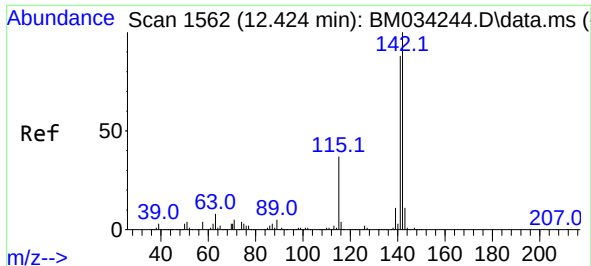


#36
4-Chloro-3-methylphenol
Concen: 6.371 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



Tgt Ion:107 Resp: 92524
Ion Ratio Lower Upper
107 100
144 23.0 20.8 31.2
142 75.7 62.7 94.1





#37

2-Methylnaphthalene

Concen: 6.868 ng

RT: 12.419 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034269.D

Acq: 17 Mar 2022 10:34

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

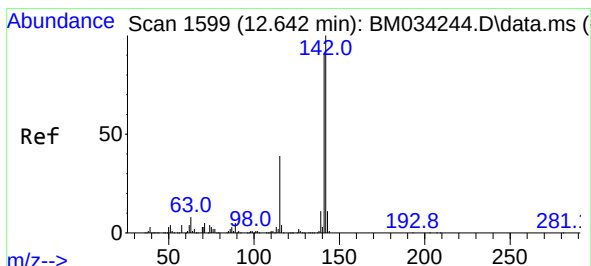
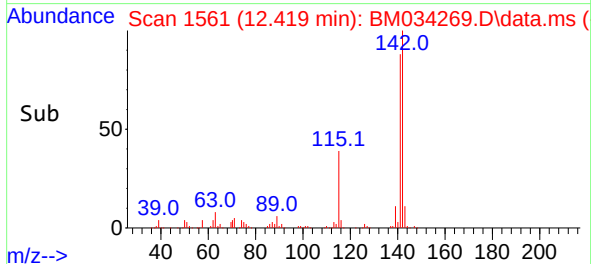
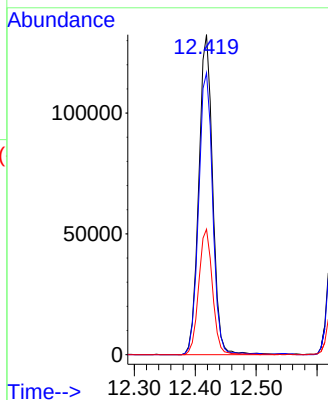
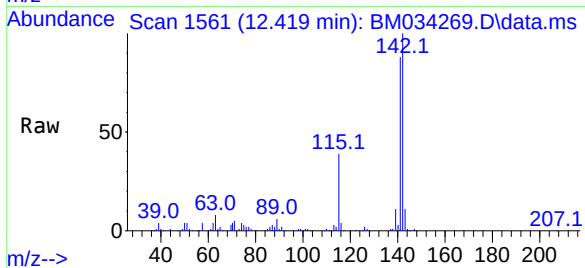
Tgt Ion:	142	Resp:	20910
Ion Ratio	Lower	Upper	
142	100		
141	88.0	70.1	105.1
115	39.2	29.9	44.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#38

1-Methylnaphthalene

Concen: 6.906 ng

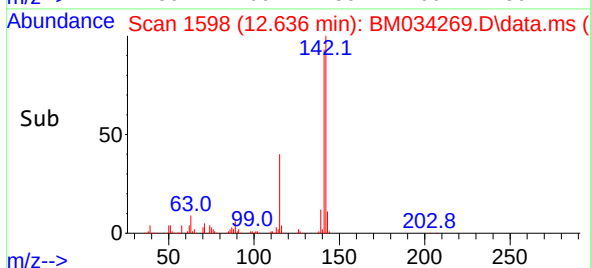
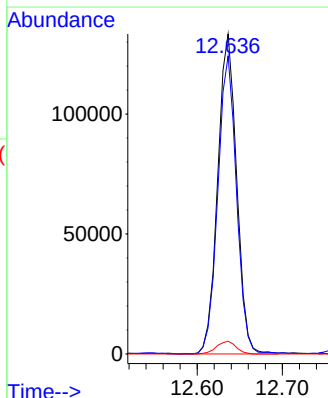
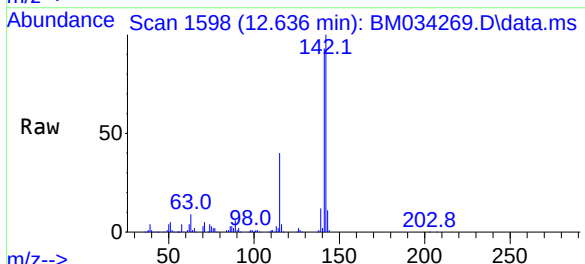
RT: 12.636 min Scan# 1598

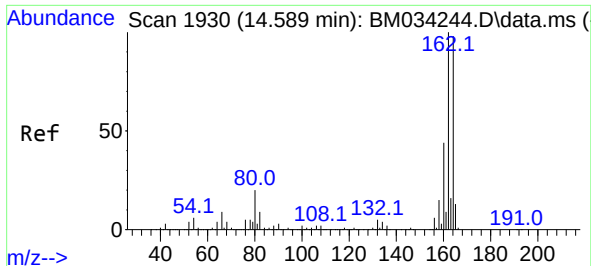
Delta R.T. -0.006 min

Lab File: BM034269.D

Acq: 17 Mar 2022 10:34

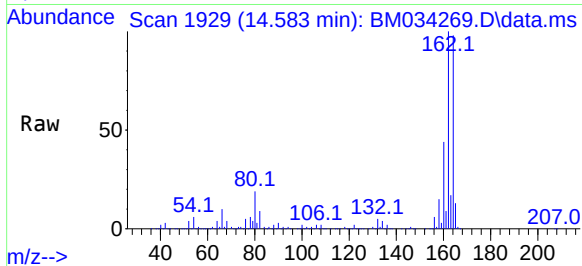
Tgt Ion:	142	Resp:	205683
Ion Ratio	Lower	Upper	
142	100		
141	93.1	73.0	109.6
116	4.0	3.2	4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

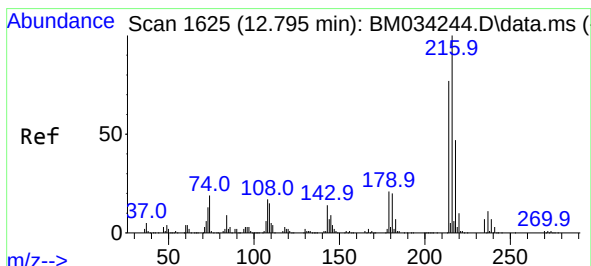
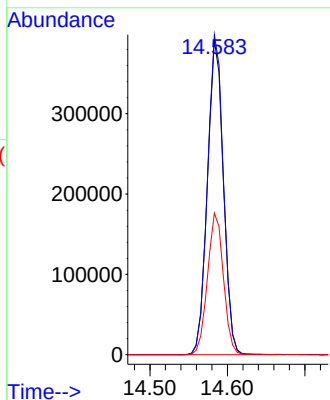
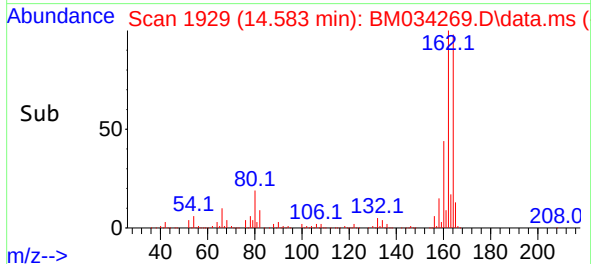
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



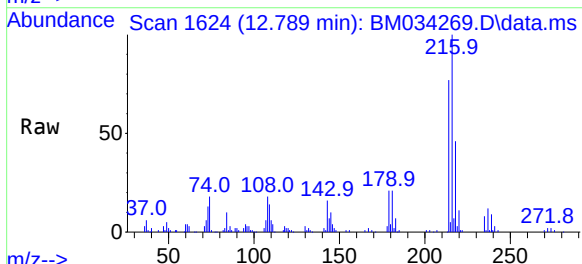
Tgt Ion:164 Resp: 559400
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 45.0 35.6 53.4

Manual Integrations
APPROVED

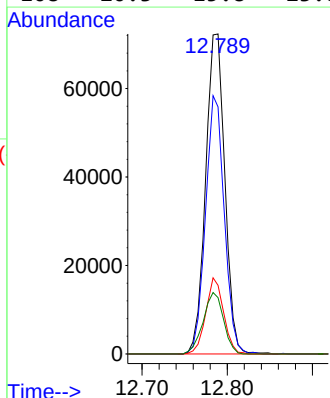
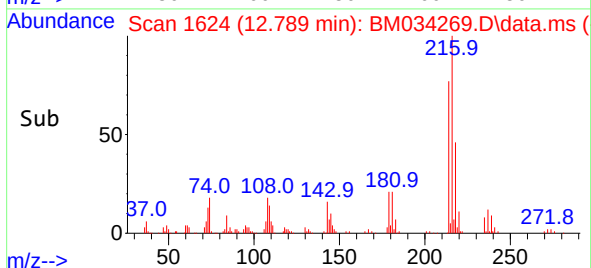
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

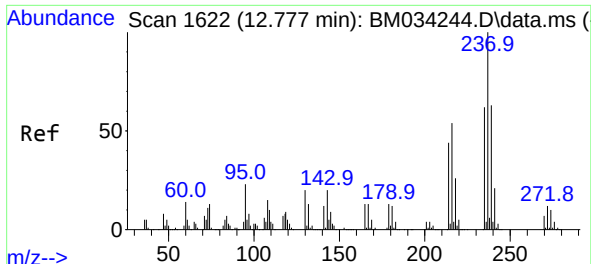


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.715 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



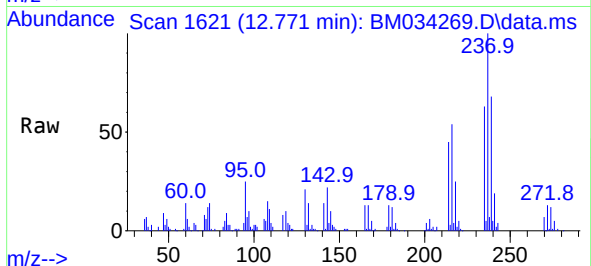
Tgt Ion:216 Resp: 113361
Ion Ratio Lower Upper
216 100
214 78.8 62.7 94.1
179 22.1 17.2 25.8
108 20.3 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 7.382 ng
RT: 12.771 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

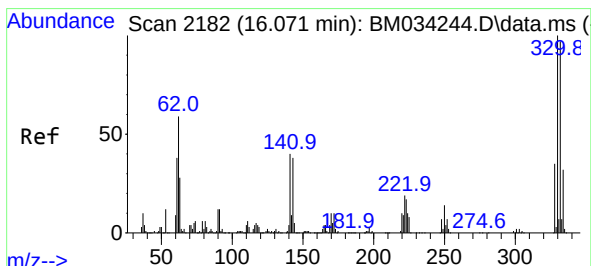
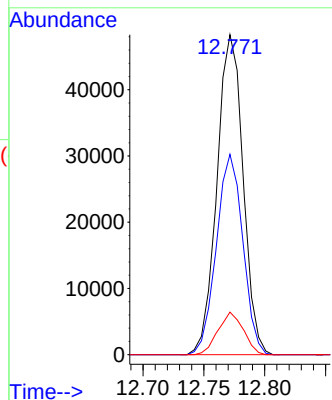
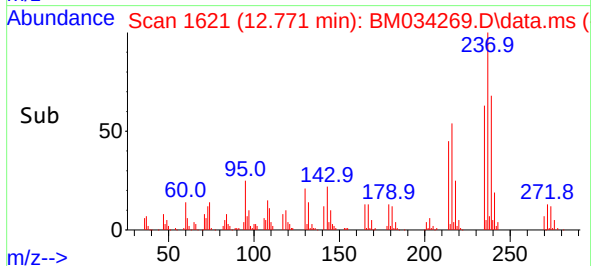
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



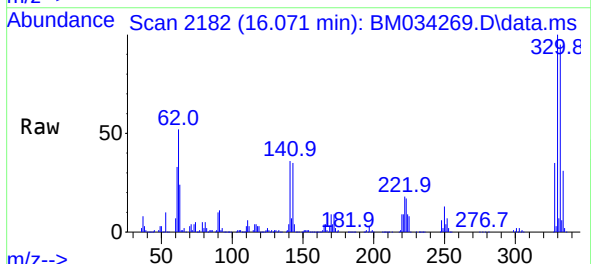
Tgt Ion:237 Resp: 72162
Ion Ratio Lower Upper
237 100
235 62.6 42.1 82.1
272 13.3 0.0 32.3

Manual Integrations
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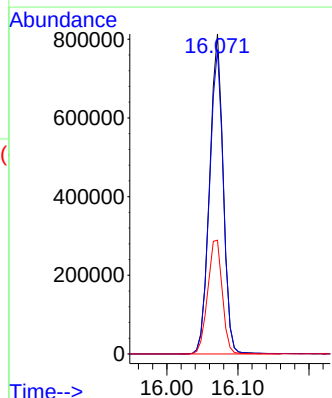
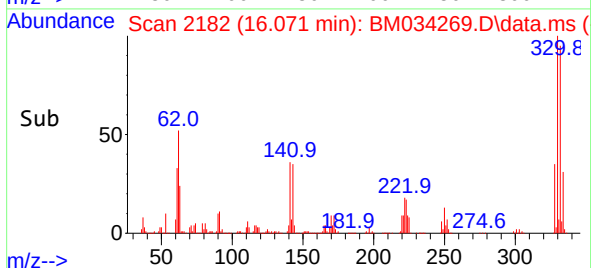
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

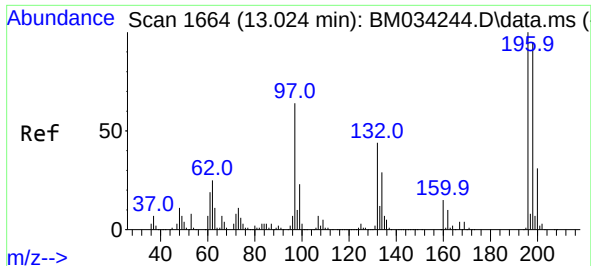


#42
2,4,6-Tribromophenol
Concen: 144.238 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



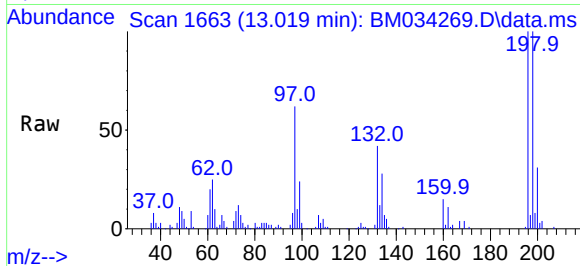
Tgt Ion:330 Resp: 1087566
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 38.1 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 5.933 ng
RT: 13.019 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

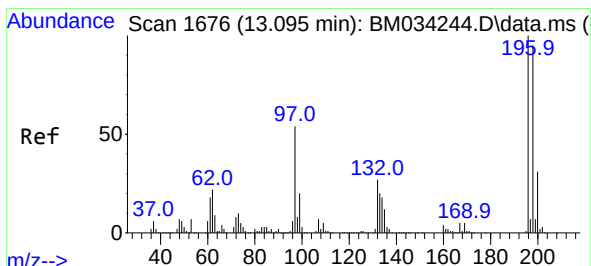
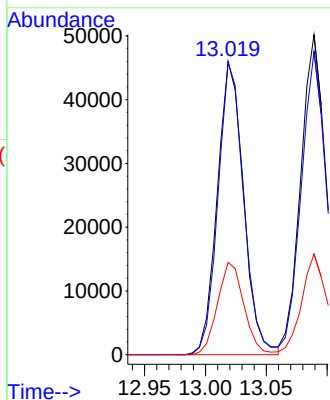
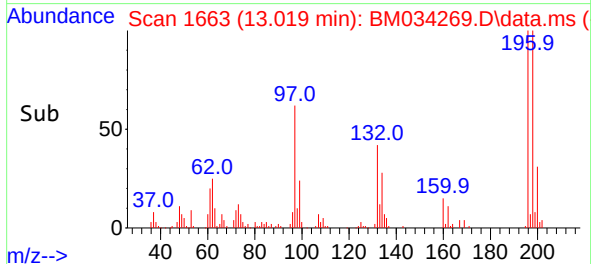
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



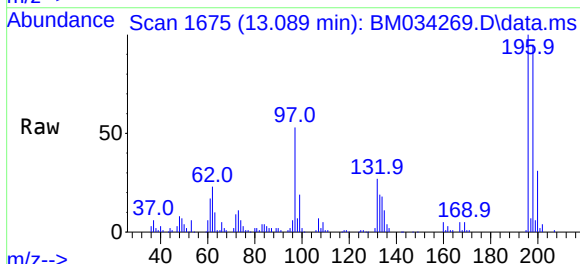
Tgt Ion:196 Resp: 6915
Ion Ratio Lower Upper
196 100
198 99.6 76.1 114.1
200 31.5 24.9 37.3

Manual Integrations
APPROVED

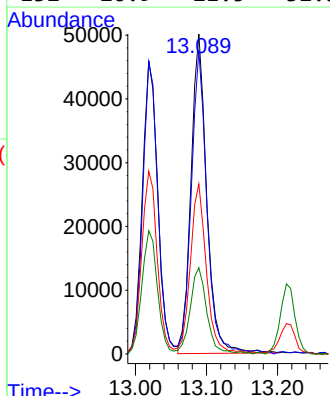
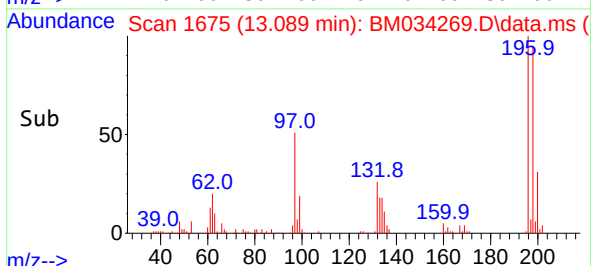
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

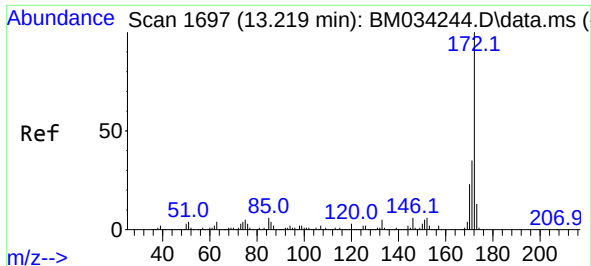


#44
2,4,5-Trichlorophenol
Concen: 6.200 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



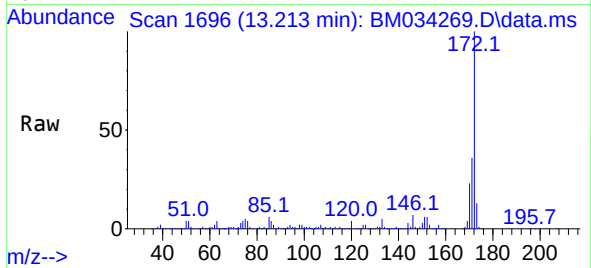
Tgt Ion:196 Resp: 77566
Ion Ratio Lower Upper
196 100
198 94.8 75.9 113.9
97 53.2 43.2 64.8
132 26.9 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 74.303 ng
RT: 13.213 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

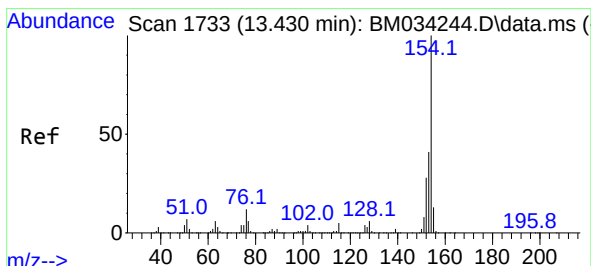
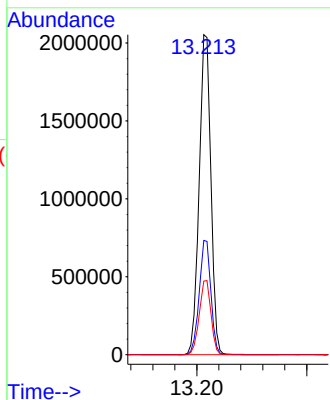
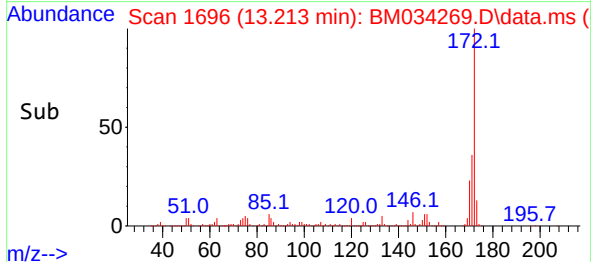
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



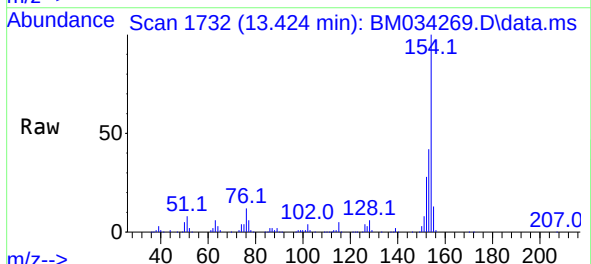
Tgt Ion:172 Resp: 3041794
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.0 18.6 28.0

Manual Integrations
APPROVED

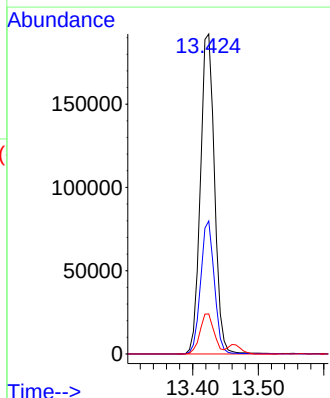
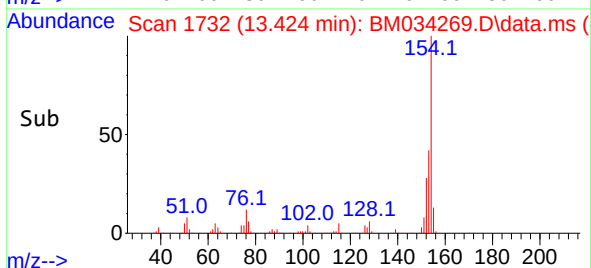
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

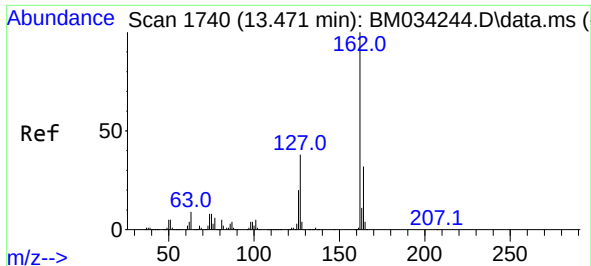


#46
1,1'-Biphenyl
Concen: 6.763 ng
RT: 13.424 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



Tgt Ion:154 Resp: 288460
Ion Ratio Lower Upper
154 100
153 41.6 21.0 61.0
76 12.5 0.0 32.1





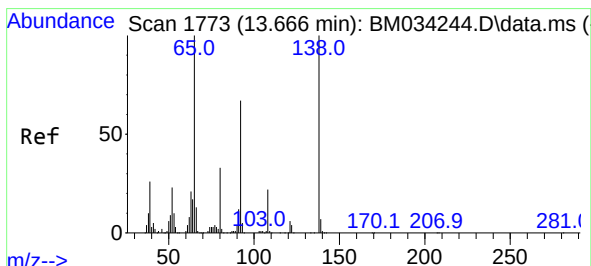
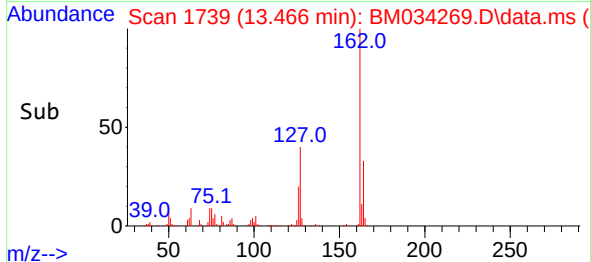
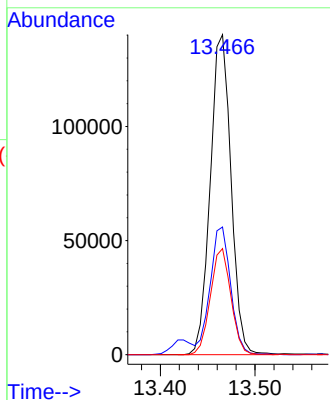
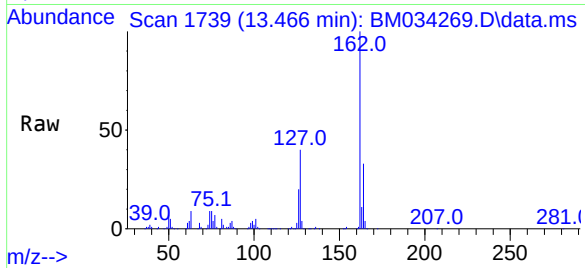
#47
2-Chloronaphthalene
Concen: 6.549 ng
RT: 13.466 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:162 Resp: 21443
Ion Ratio Lower Upper
162 100
127 39.9 30.4 45.6
164 33.1 25.8 38.8

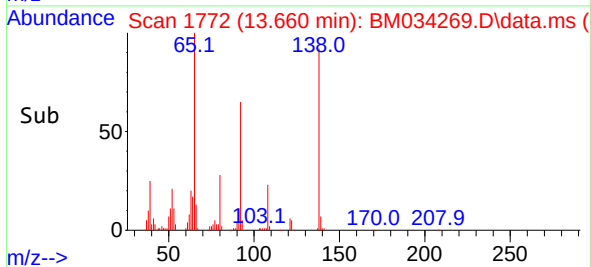
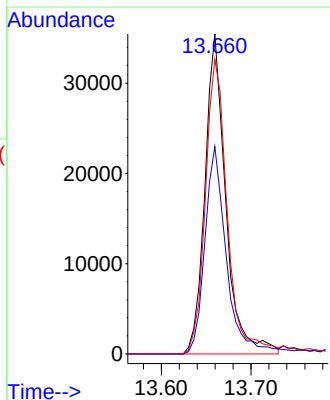
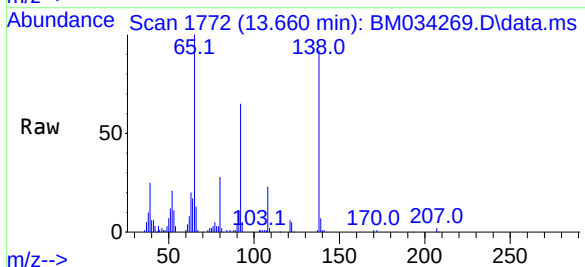
Manual Integrations
APPROVED

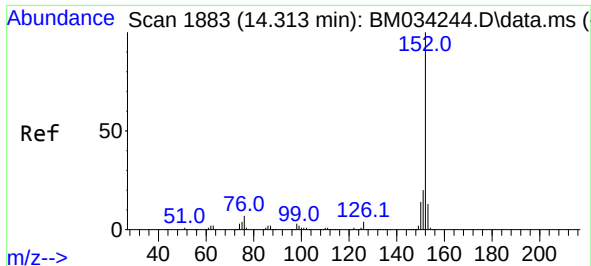
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#48
2-Nitroaniline
Concen: 5.727 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

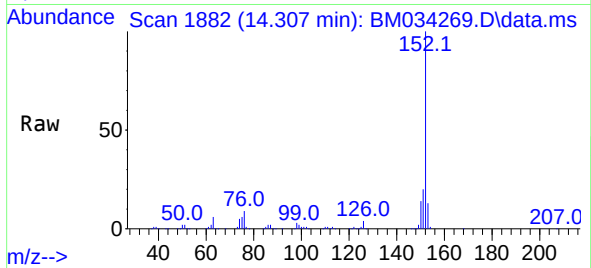
Tgt Ion: 65 Resp: 57322
Ion Ratio Lower Upper
65 100
92 64.8 53.8 80.8
138 92.1 79.9 119.9





#49
Acenaphthylene
Concen: 7.017 ng
RT: 14.307 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

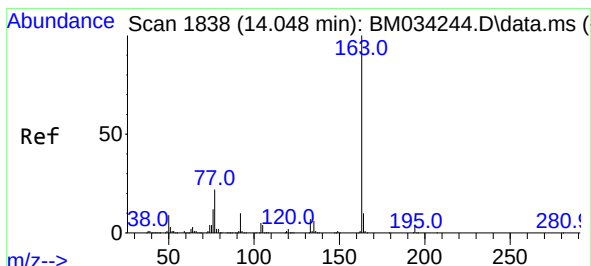
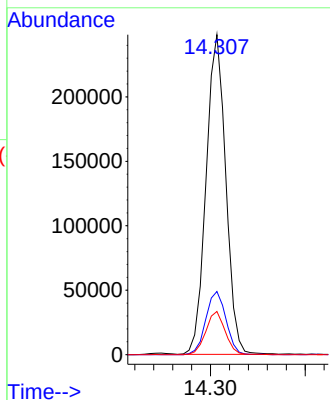
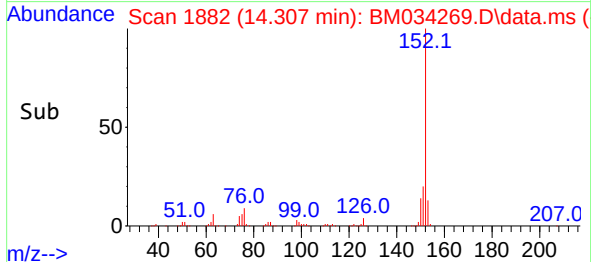
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



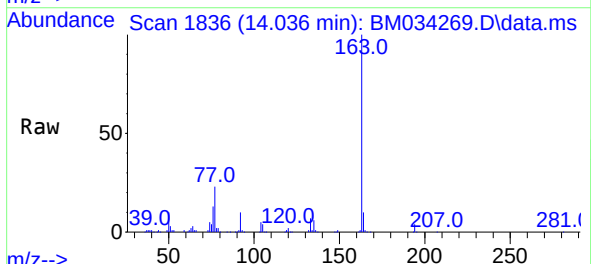
Tgt Ion:152 Resp: 358052
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.5 10.6 16.0

Manual Integrations
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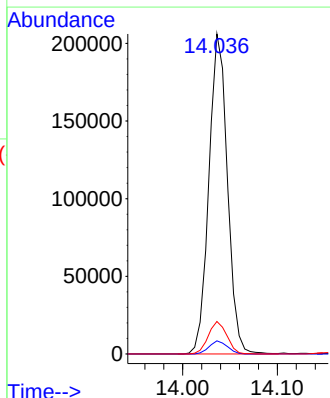
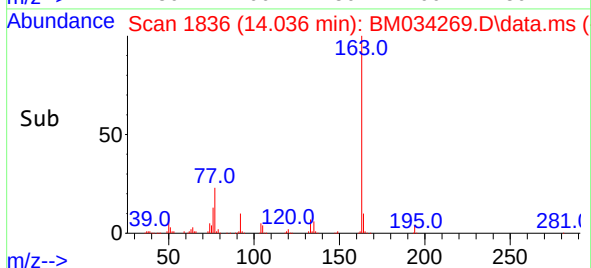
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

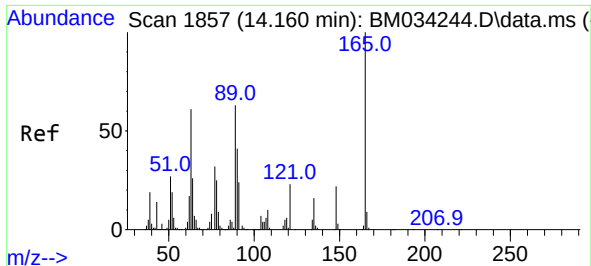


#50
Dimethylphthalate
Concen: 6.591 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



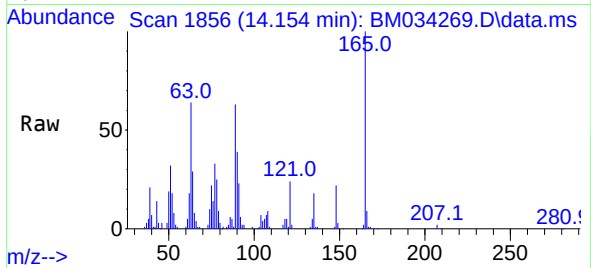
Tgt Ion:163 Resp: 280627
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 6.765 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

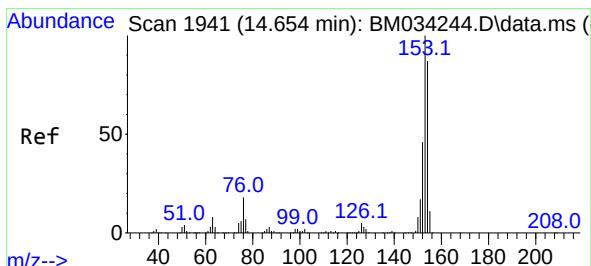
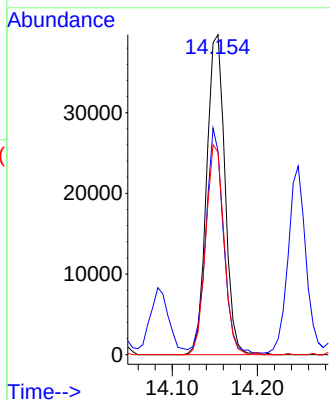
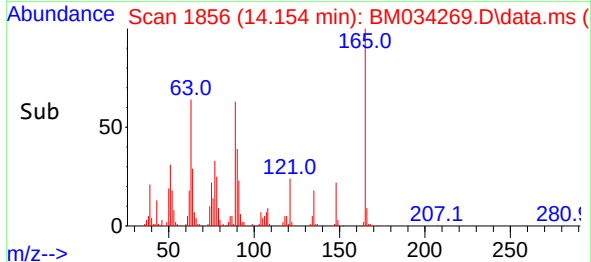
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



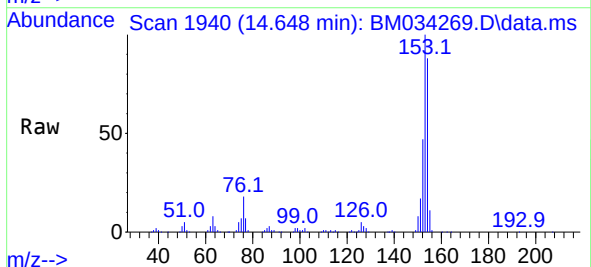
Tgt Ion:165 Resp: 59074
Ion Ratio Lower Upper
165 100
63 63.6 51.9 77.9
89 63.3 50.6 76.0

Manual Integrations
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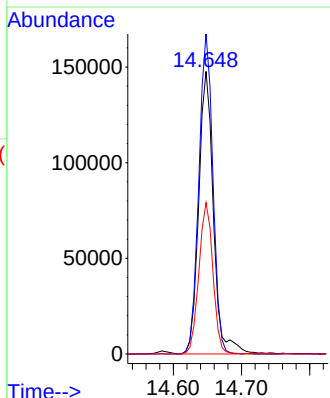
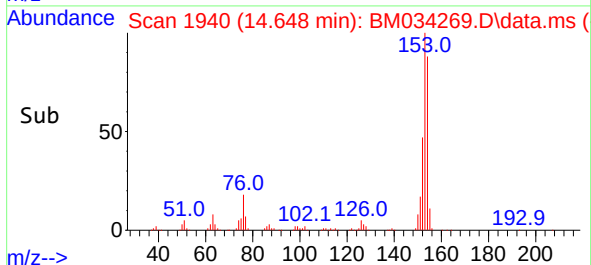
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

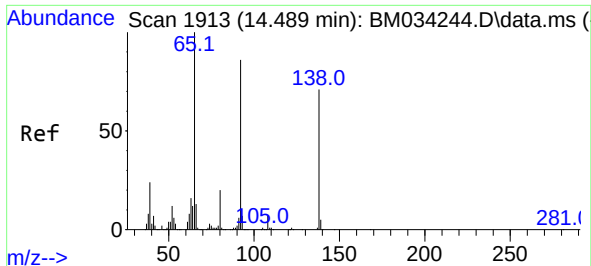


#52
Acenaphthene
Concen: 6.458 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



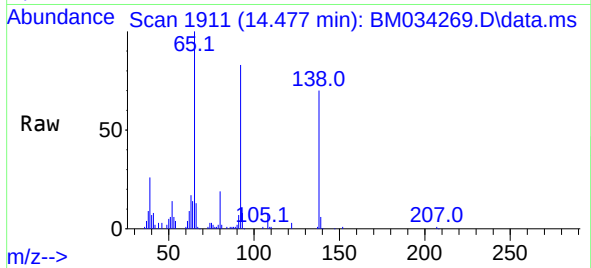
Tgt Ion:154 Resp: 221966
Ion Ratio Lower Upper
154 100
153 113.3 91.8 137.8
152 53.6 42.6 64.0





#53
3-Nitroaniline
Concen: 5.521 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

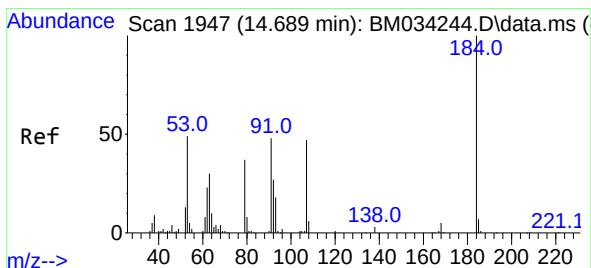
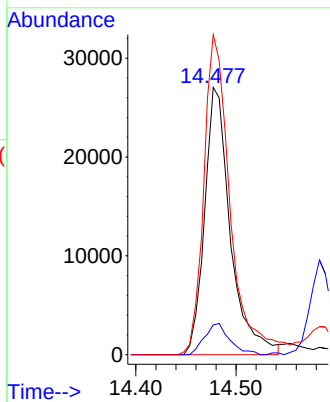
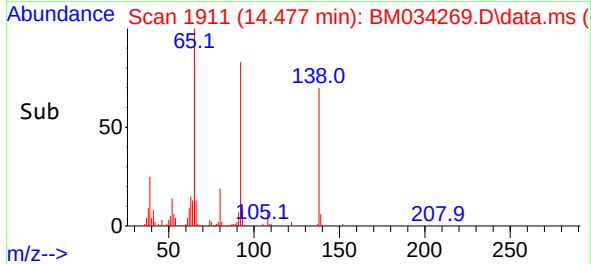
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



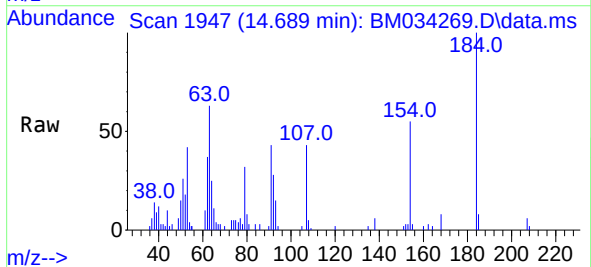
Tgt Ion:138 Resp: 48370
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 119.7 97.6 146.4

Manual Integrations
APPROVED

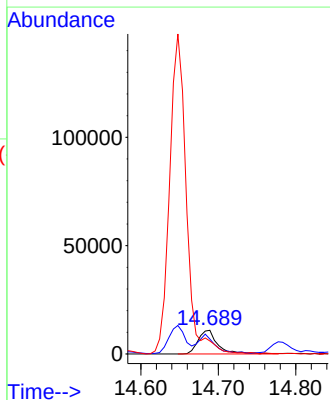
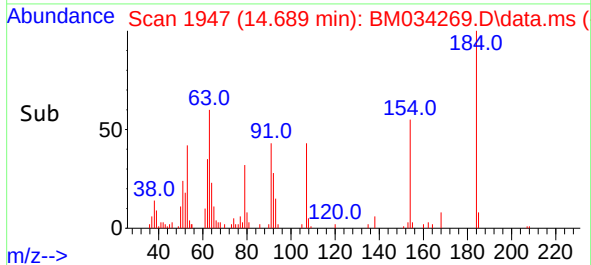
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

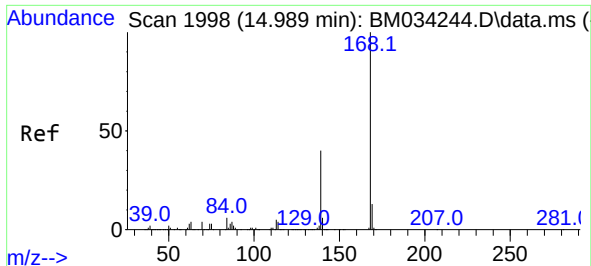


#54
2,4-Dinitrophenol
Concen: 3.965 ng
RT: 14.689 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



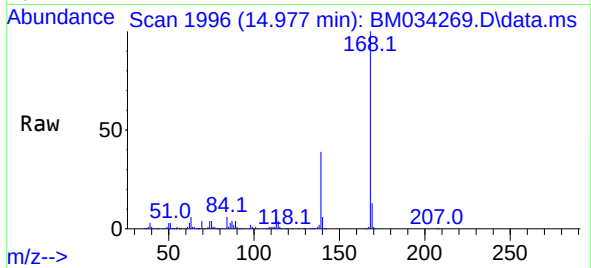
Tgt Ion:184 Resp: 19399
Ion Ratio Lower Upper
184 100
63 63.0 58.3 87.5
154 54.8 52.6 78.8





#55
Dibenzofuran
Concen: 6.684 ng
RT: 14.977 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

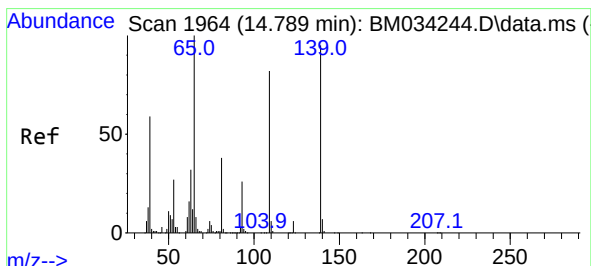
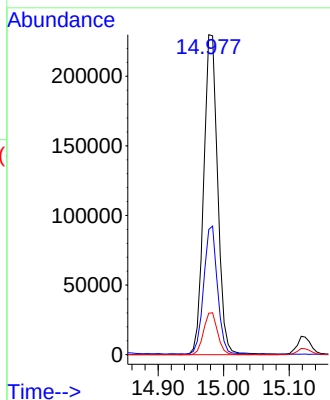
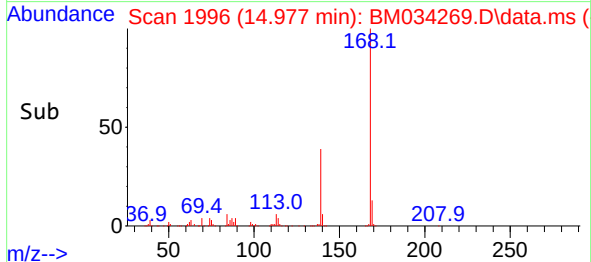
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:168 Resp: 34238
Ion Ratio Lower Upper
168 100
139 39.1 32.4 48.6
169 13.0 10.8 16.2

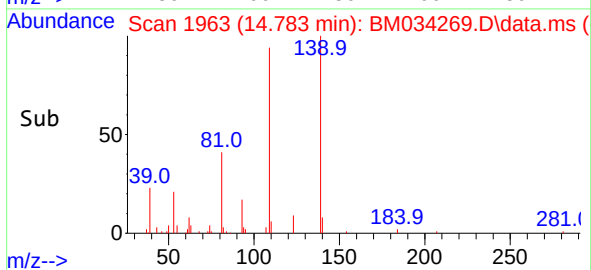
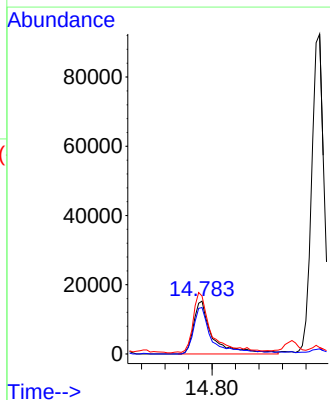
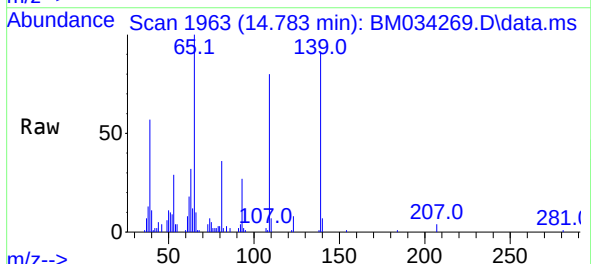
Manual Integrations
APPROVED

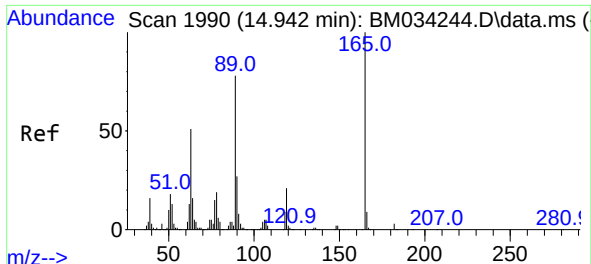
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#56
4-Nitrophenol
Concen: 4.839 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

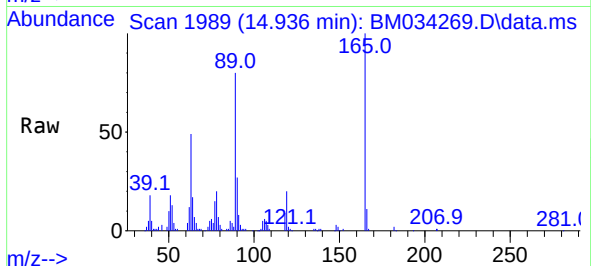
Tgt Ion:139 Resp: 34368
Ion Ratio Lower Upper
139 100
109 87.7 66.3 106.3
65 109.8 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 6.276 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

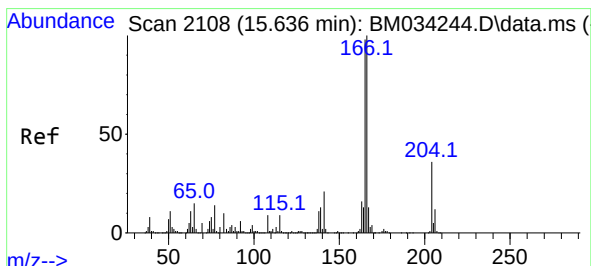
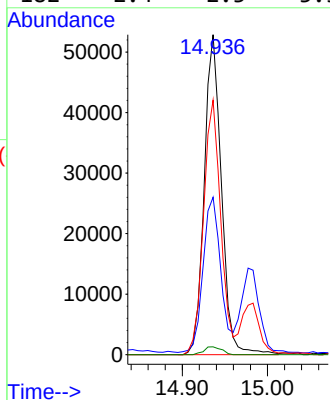
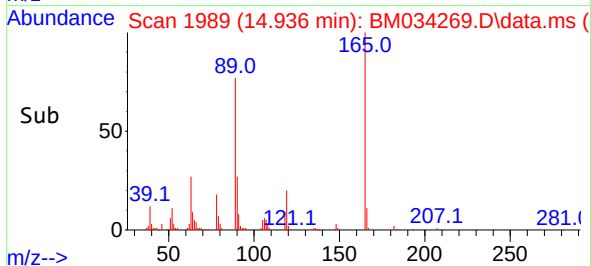
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 74080
Ion Ratio Lower Upper
165 100
63 49.2 40.6 61.0
89 79.5 62.7 94.1
182 2.4 2.3 3.5

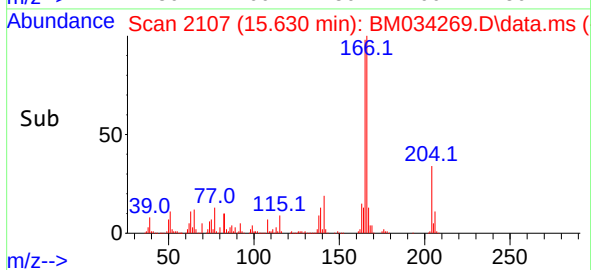
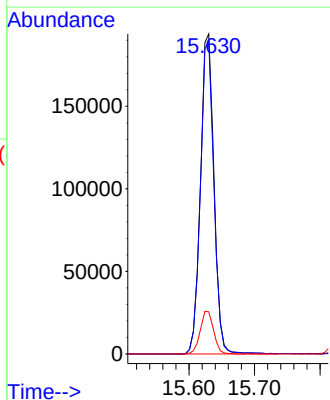
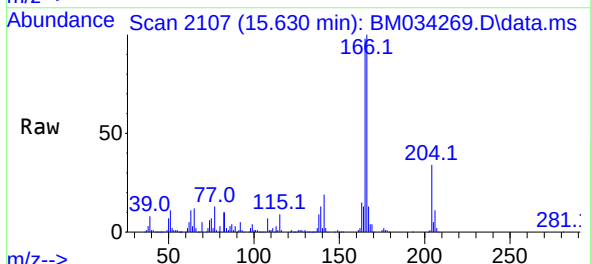
Manual Integrations
APPROVED

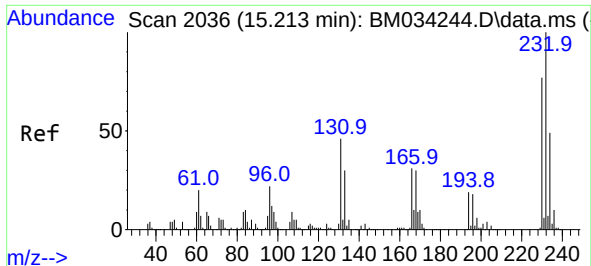
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#58
Fluorene
Concen: 6.708 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

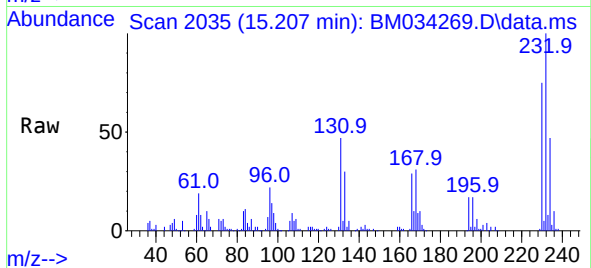
Tgt Ion:166 Resp: 278932
Ion Ratio Lower Upper
166 100
165 97.8 78.0 117.0
167 13.1 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.177 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

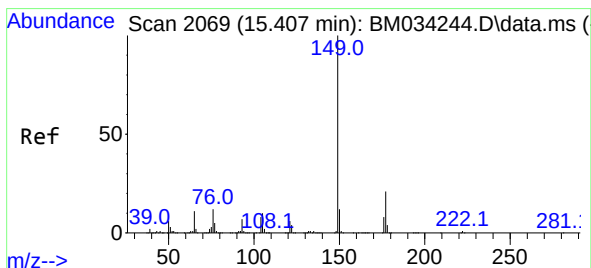
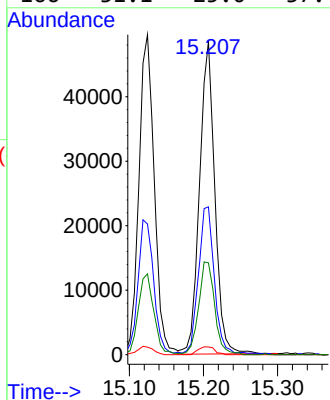
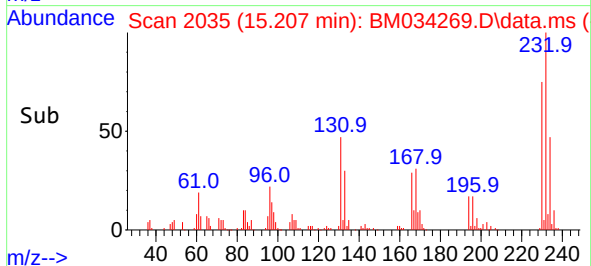
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



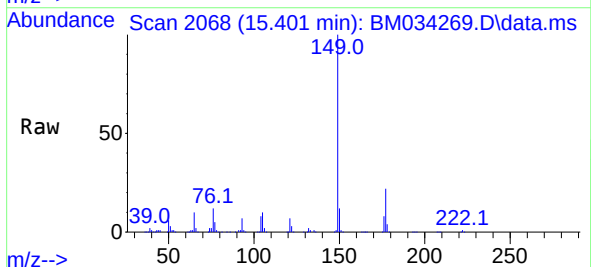
Tgt Ion:232 Resp: 6968
Ion Ratio Lower Upper
232 100
131 50.1 38.0 57.0
130 2.7 2.2 3.2
166 31.1 25.0 37.4

Manual Integrations
APPROVED

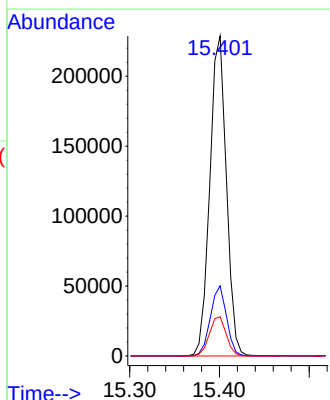
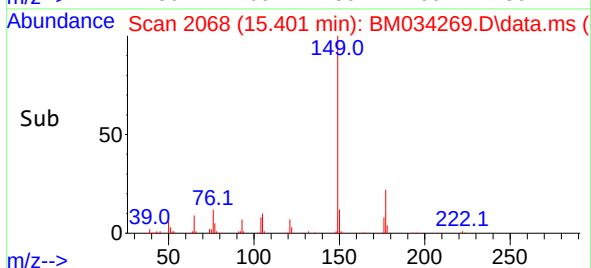
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

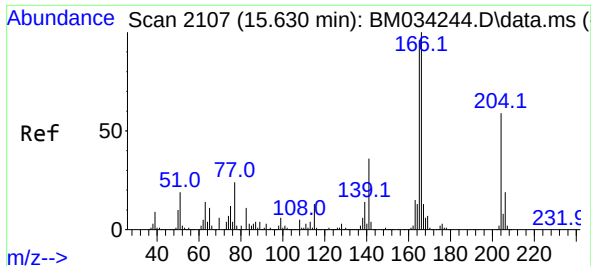


#60
Diethylphthalate
Concen: 6.719 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



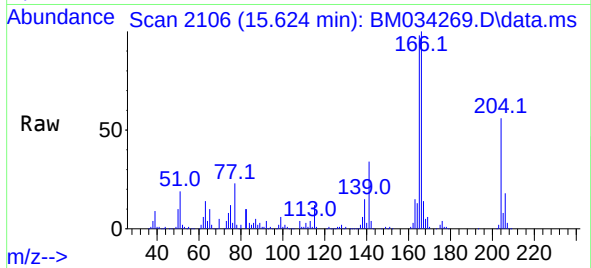
Tgt Ion:149 Resp: 293494
Ion Ratio Lower Upper
149 100
177 21.9 17.1 25.7
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 6.695 ng
RT: 15.624 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

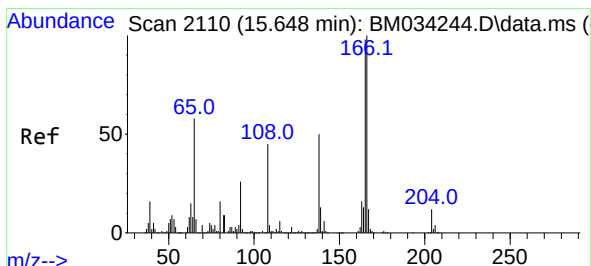
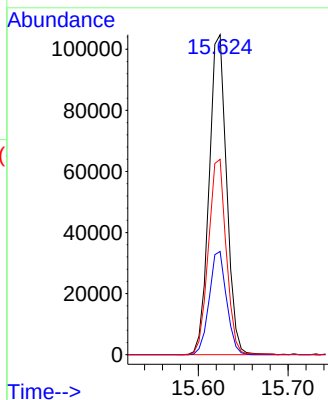
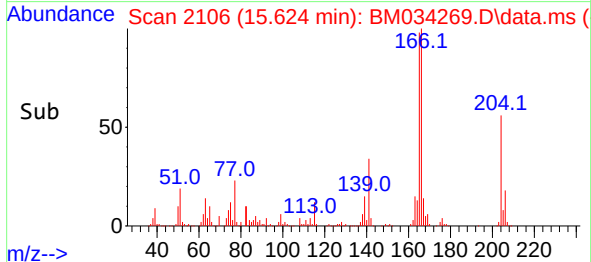
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



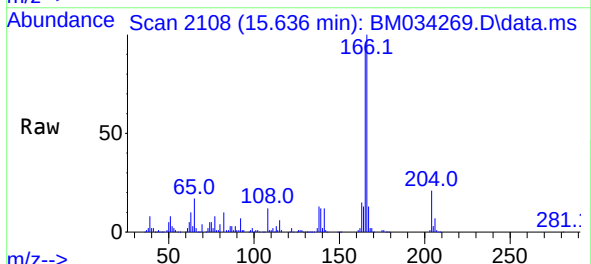
Tgt Ion:204 Resp: 14214
Ion Ratio Lower Upper
204 100
206 32.2 26.4 39.6
141 61.0 49.4 74.2

Manual Integrations
APPROVED

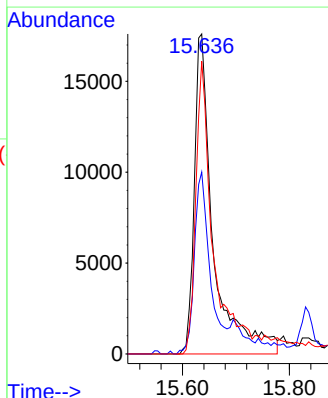
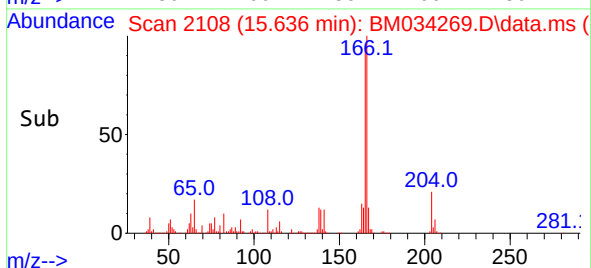
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

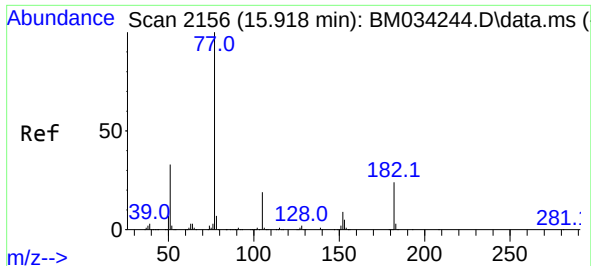


#62
4-Nitroaniline
Concen: 5.174 ng m
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



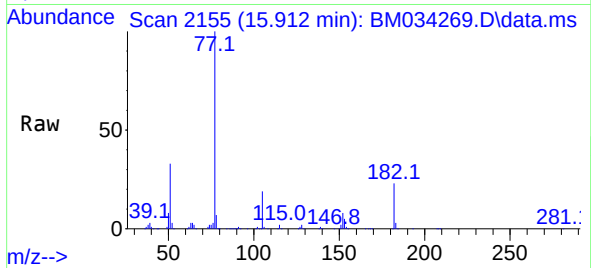
Tgt Ion:138 Resp: 43606
Ion Ratio Lower Upper
138 100
92 56.9 32.6 72.6
108 91.5 69.8 109.8





#63
Azobenzene
Concen: 6.600 ng
RT: 15.912 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

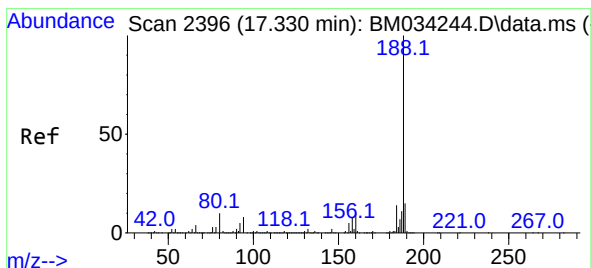
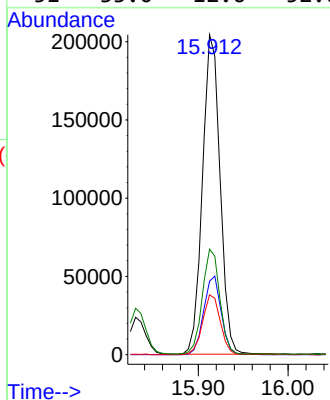
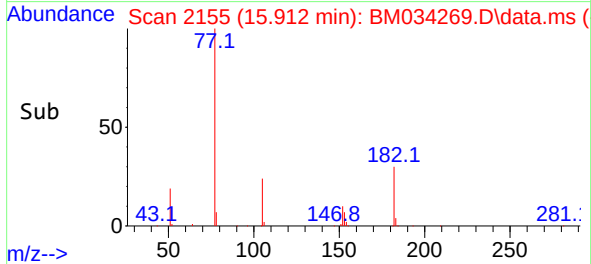
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 277985
Ion Ratio Lower Upper
77 100
182 22.9 4.4 44.4
105 18.7 0.0 38.7
51 33.0 12.6 52.6

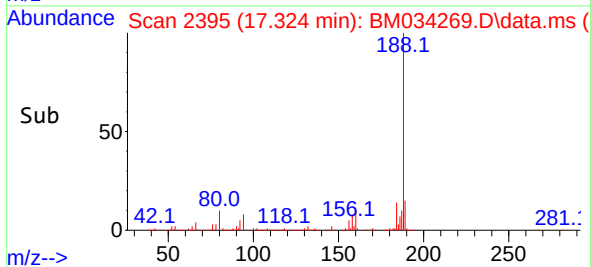
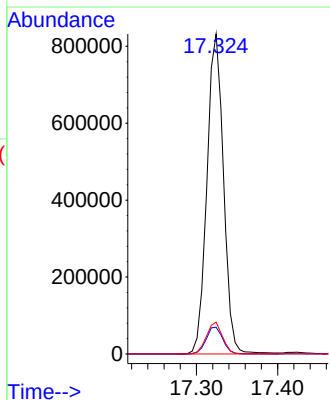
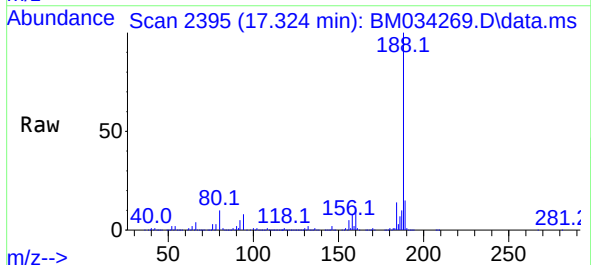
Manual Integrations
APPROVED

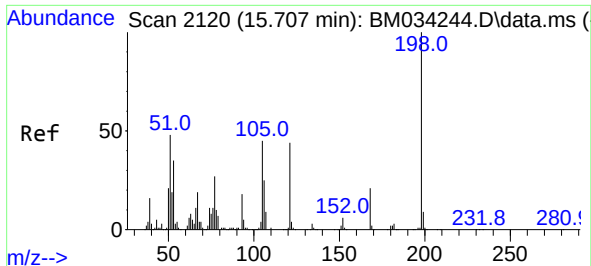
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

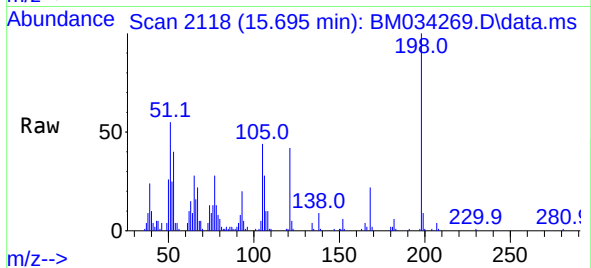
Tgt Ion:188 Resp: 1179150
Ion Ratio Lower Upper
188 100
94 8.4 6.6 9.8
80 10.0 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 4.651 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

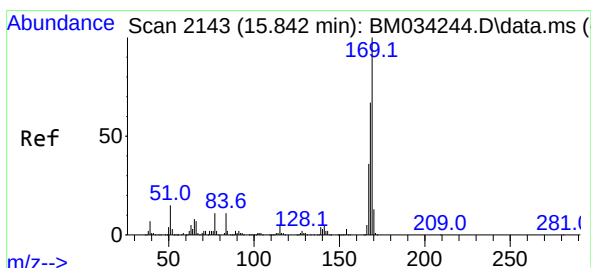
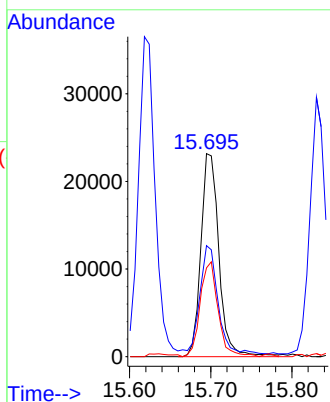
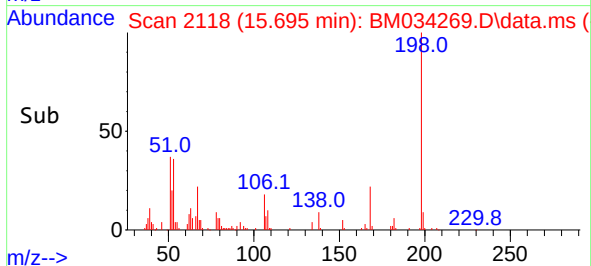
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



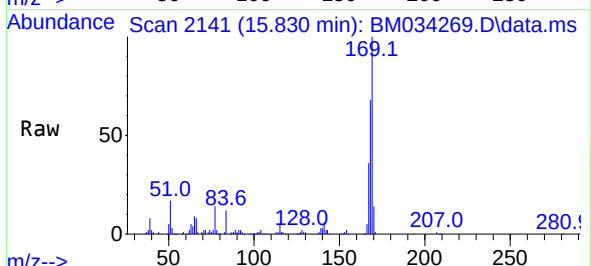
Tgt Ion:198 Resp: 3566
Ion Ratio Lower Upper
198 100
51 54.7 29.0 69.0
105 43.7 25.3 65.3

Manual Integrations
APPROVED

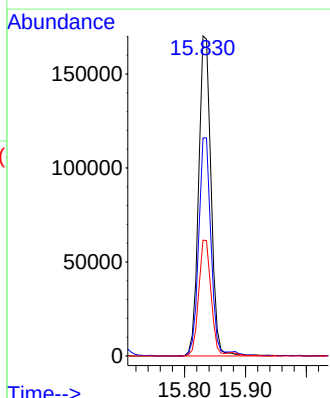
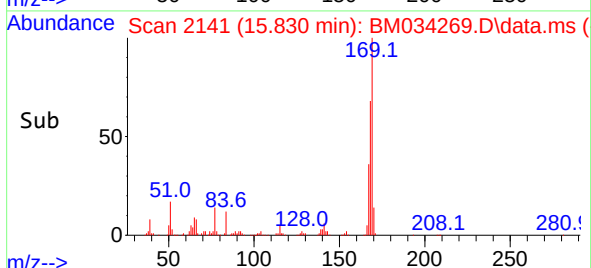
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

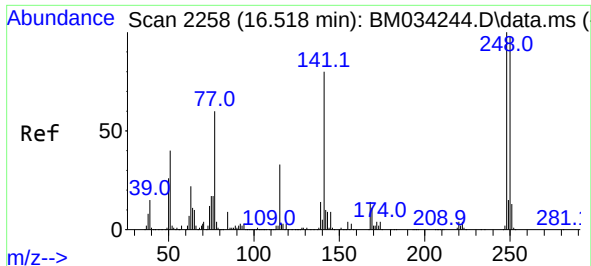


#66
n-Nitrosodiphenylamine
Concen: 6.444 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



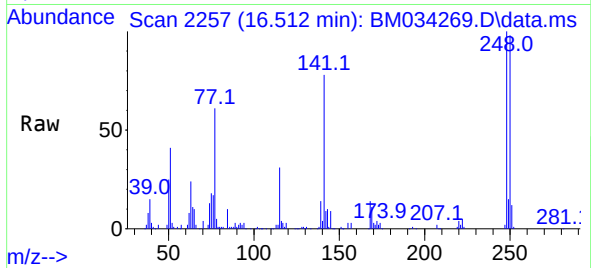
Tgt Ion:169 Resp: 241416
Ion Ratio Lower Upper
169 100
168 68.1 53.9 80.9
167 36.2 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 6.459 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

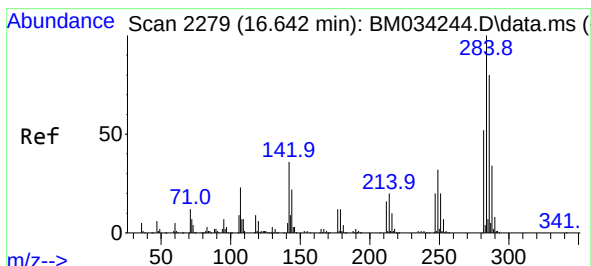
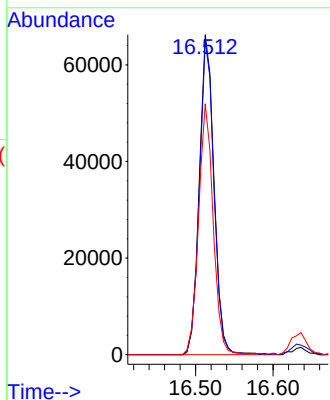
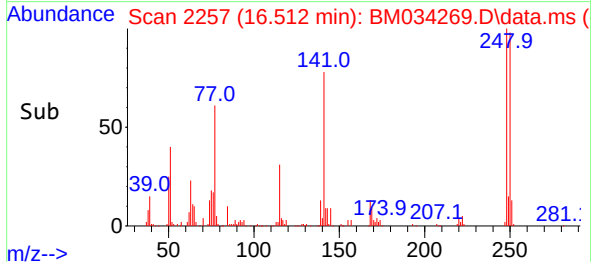
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



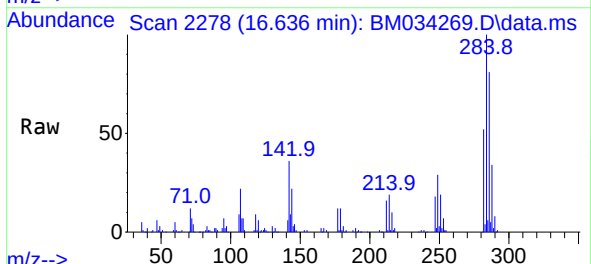
Tgt Ion:248 Resp: 87552
Ion Ratio Lower Upper
248 100
250 98.2 78.0 117.0
141 78.4 63.8 95.6

Manual Integrations
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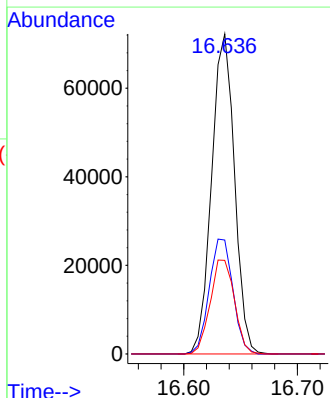
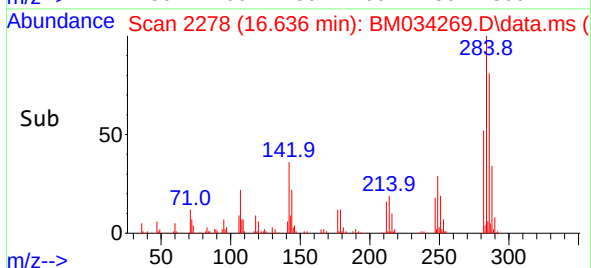
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

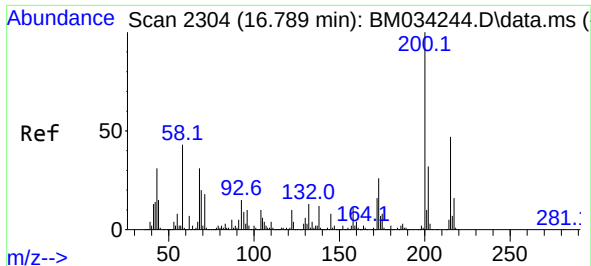


#68
Hexachlorobenzene
Concen: 6.685 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



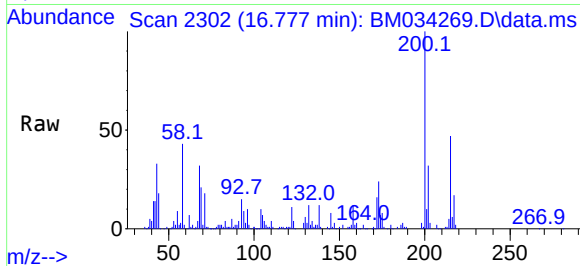
Tgt Ion:284 Resp: 101076
Ion Ratio Lower Upper
284 100
142 35.6 28.9 43.3
249 29.2 25.4 38.0





#69
Atrazine
Concen: 7.056 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

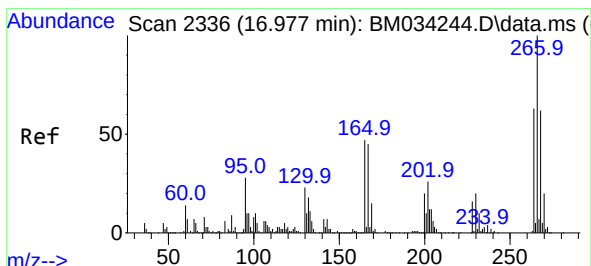
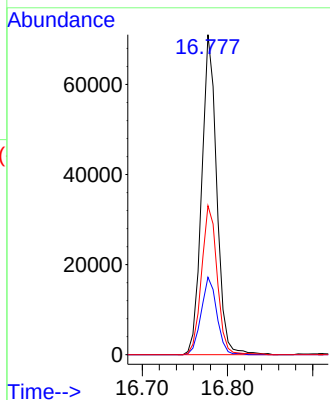
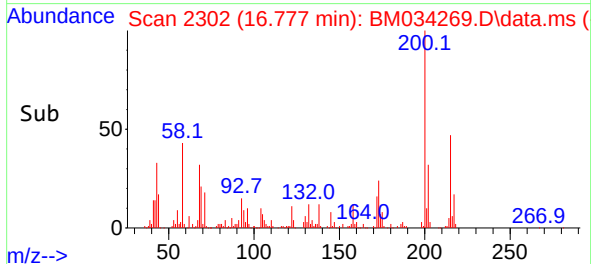
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



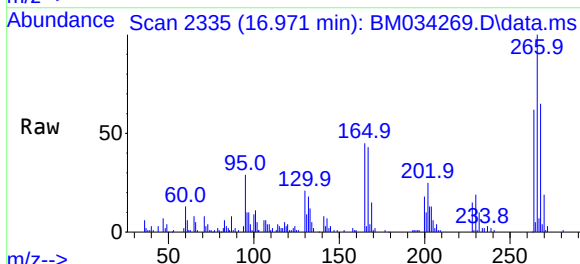
Tgt Ion:200 Resp: 8713
Ion Ratio Lower Upper
200 100
173 24.2 6.1 46.1
215 46.5 27.4 67.4

Manual Integrations
APPROVED

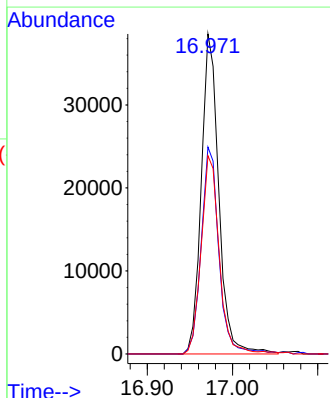
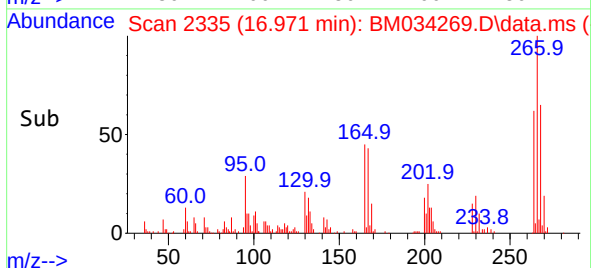
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

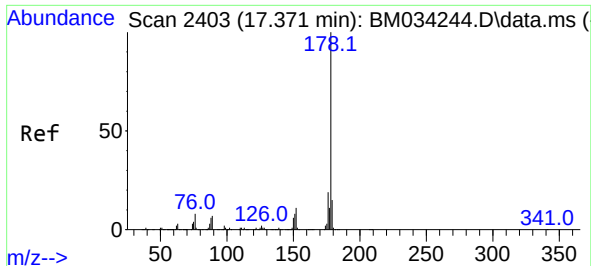


#70
Pentachlorophenol
Concen: 5.688 ng
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



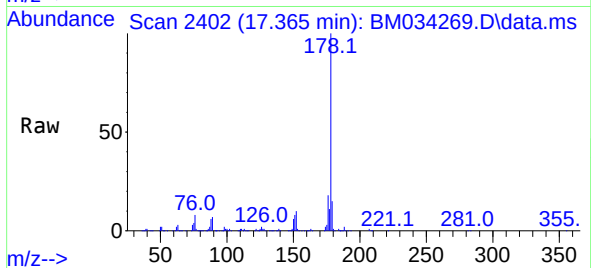
Tgt Ion:266 Resp: 54998
Ion Ratio Lower Upper
266 100
268 64.6 49.8 74.8
264 62.0 50.3 75.5





#71
Phenanthrene
Concen: 6.656 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

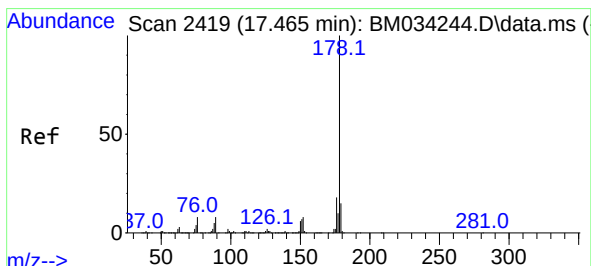
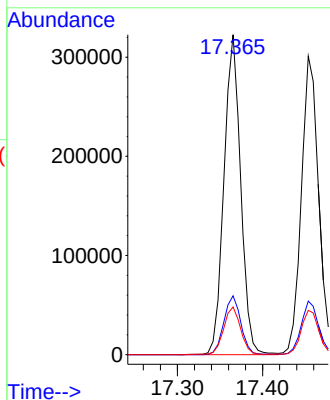
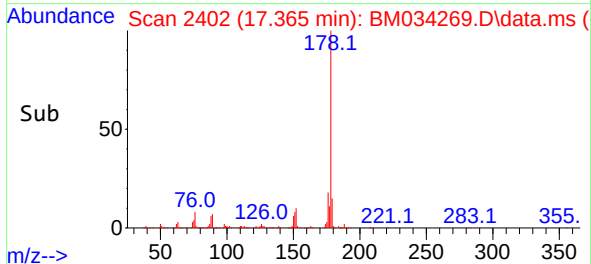
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



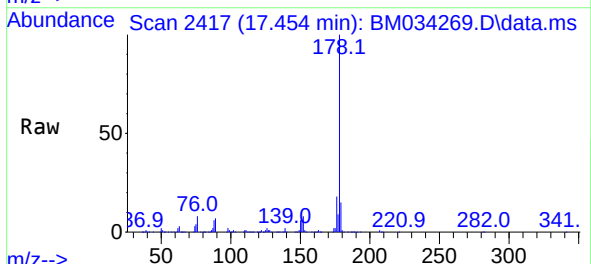
Tgt Ion:178 Resp: 439530
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 14.9 12.2 18.4

Manual Integrations
APPROVED

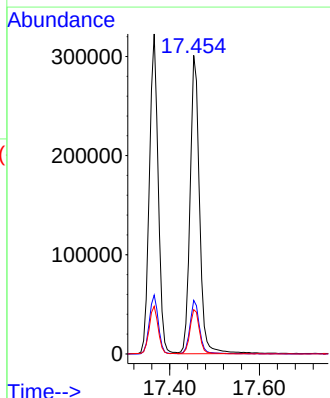
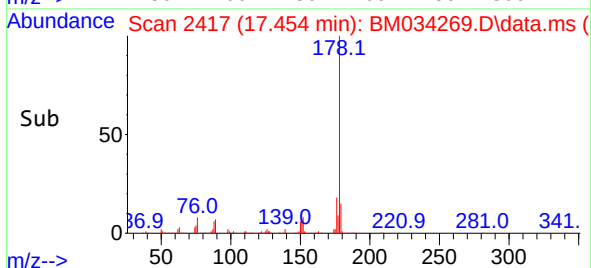
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

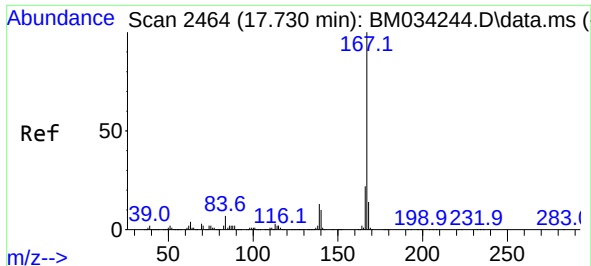


#72
Anthracene
Concen: 6.829 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



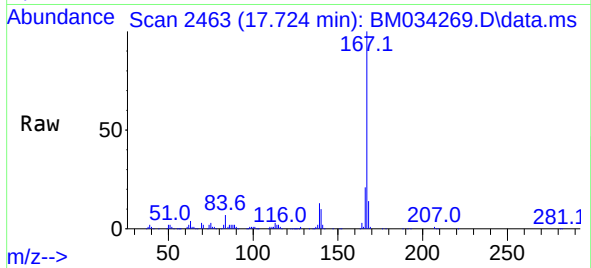
Tgt Ion:178 Resp: 438903
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 14.9 12.2 18.2





#73
 Carbazole
 Concen: 6.004 ng
 RT: 17.724 min Scan# 2463
 Delta R.T. -0.006 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34

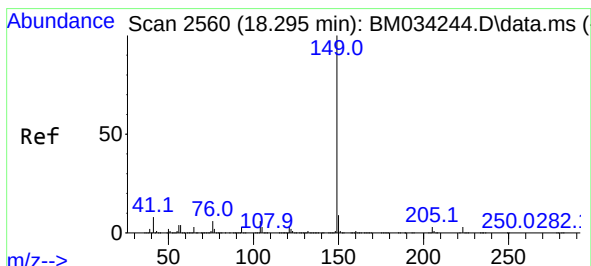
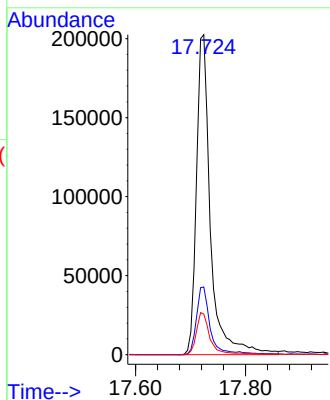
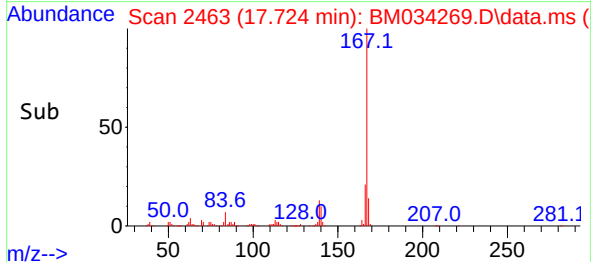
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



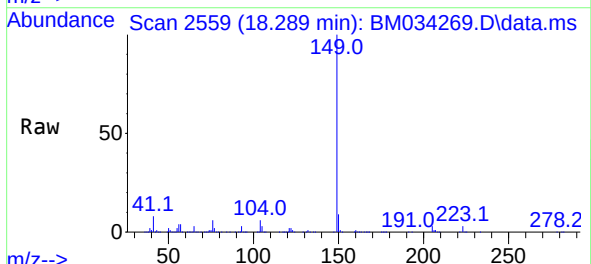
Tgt Ion:167 Resp: 359890
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 12.7 10.4 15.6

Manual Integrations
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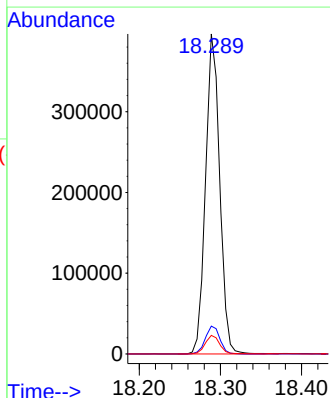
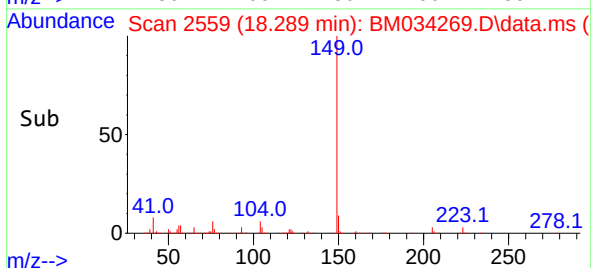
Reviewed By :Christian Giraldo 03/21/2022
 Supervised By :Jagrut Upadhyay 03/22/2022

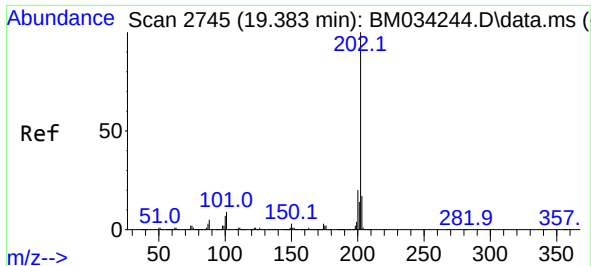


#74
 Di-n-butylphthalate
 Concen: 6.418 ng
 RT: 18.289 min Scan# 2559
 Delta R.T. -0.006 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34



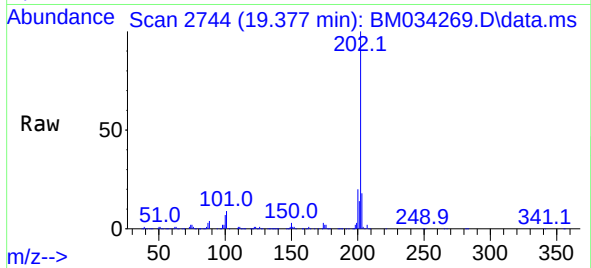
Tgt Ion:149 Resp: 478264
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.6 11.4
 104 5.8 4.7 7.1





#75
Fluoranthene
Concen: 6.802 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

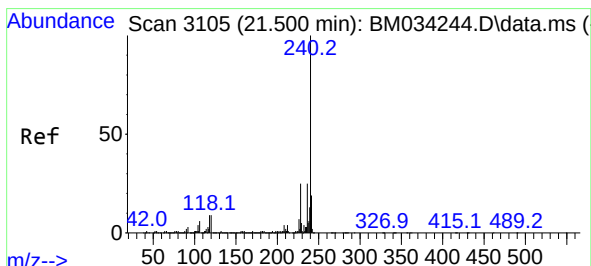
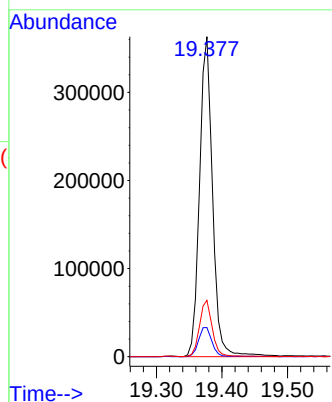
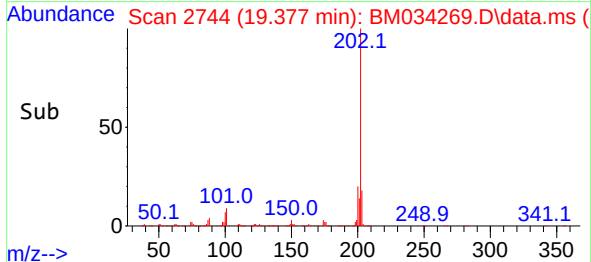
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:202 Resp: 50353
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.4
203 17.6 0.0 37.1

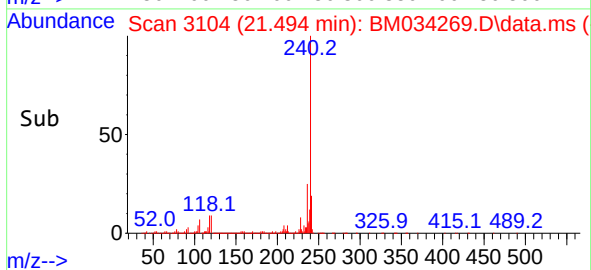
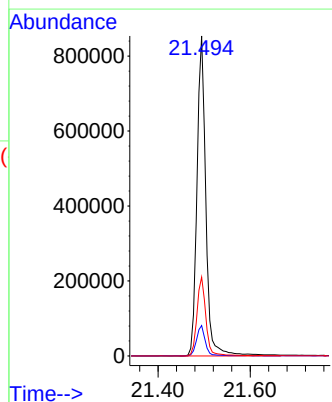
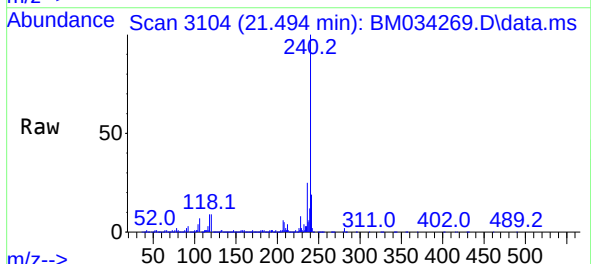
Manual Integrations
APPROVED

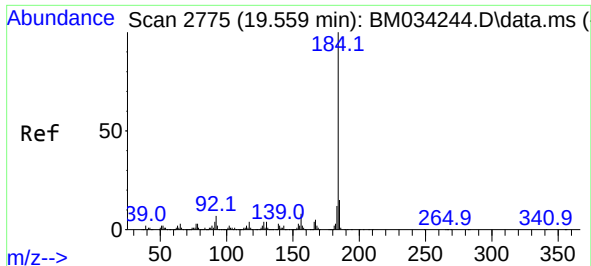
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

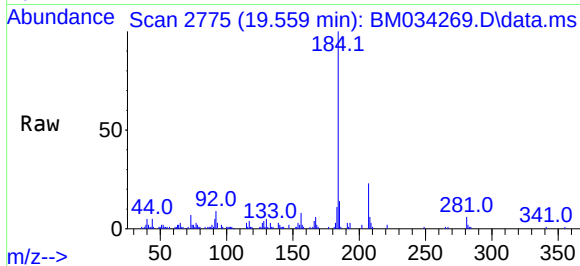
Tgt Ion:240 Resp: 1143326
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 24.7 20.2 30.2





#77
Benzidine
Concen: 7.014 ng m
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

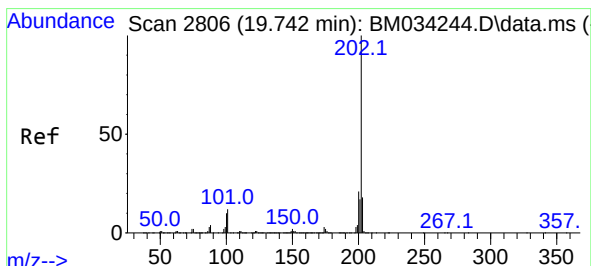
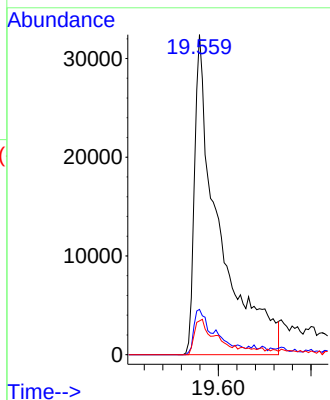
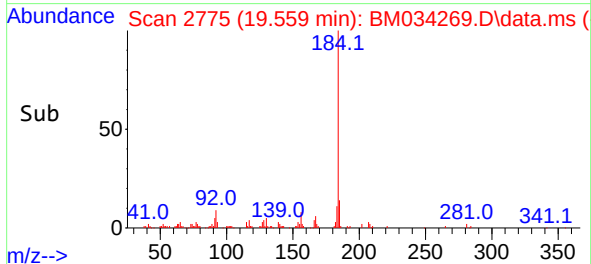
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



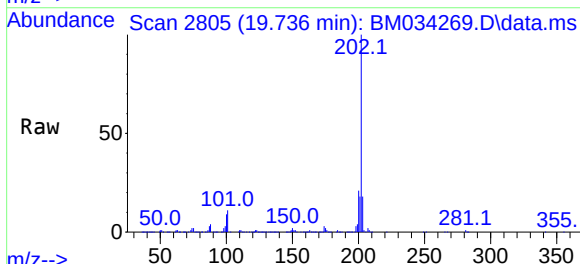
Tgt Ion:184 Resp: 11752
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 10.5 9.8 14.6

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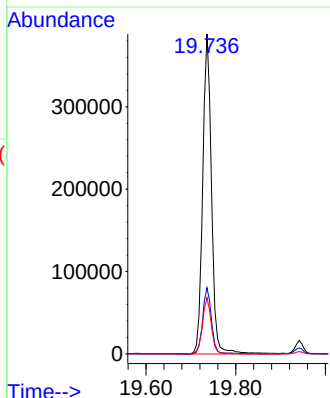
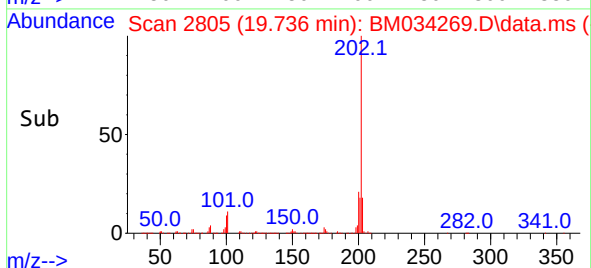
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

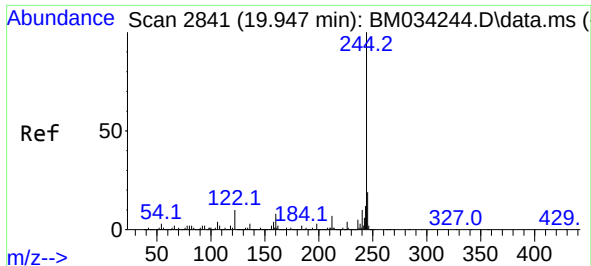


#78
Pyrene
Concen: 6.579 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



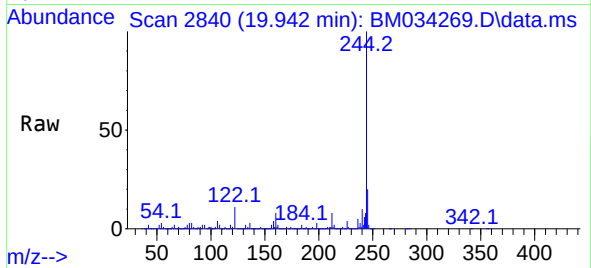
Tgt Ion:202 Resp: 529968
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 76.616 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34

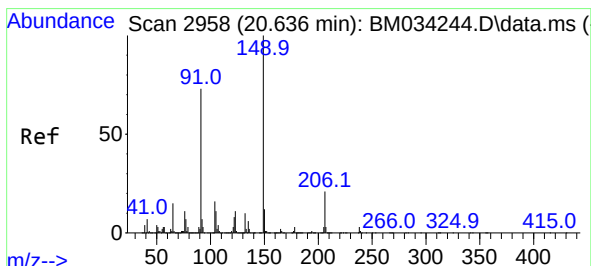
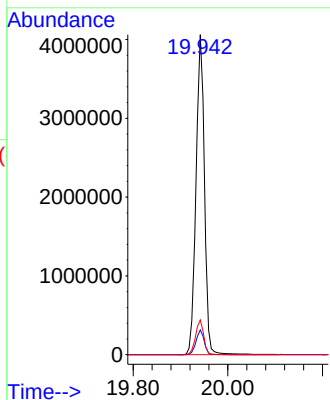
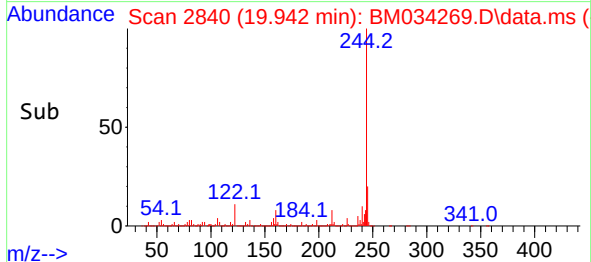
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



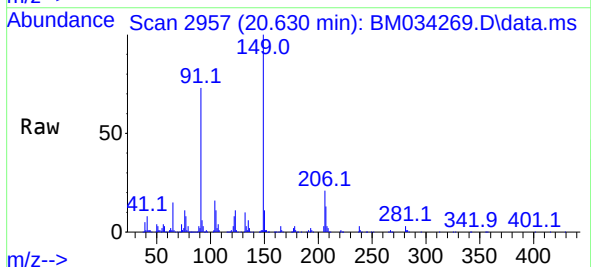
Tgt Ion:244 Resp: 504121
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 10.8 7.8 11.8

Manual Integrations
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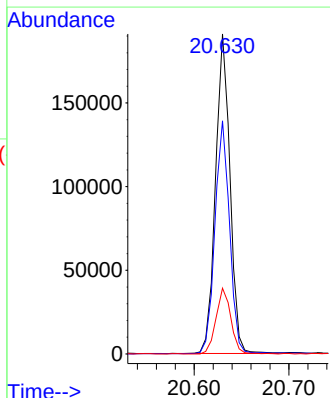
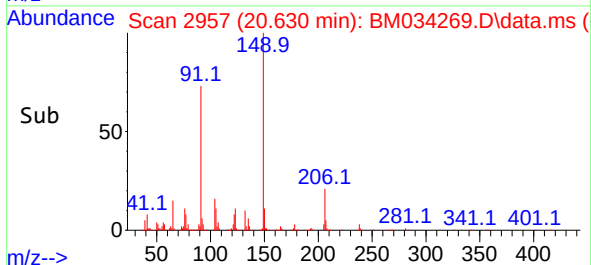
Reviewed By :Christian Giraldo 03/21/2022
 Supervised By :Jagrut Upadhyay 03/22/2022

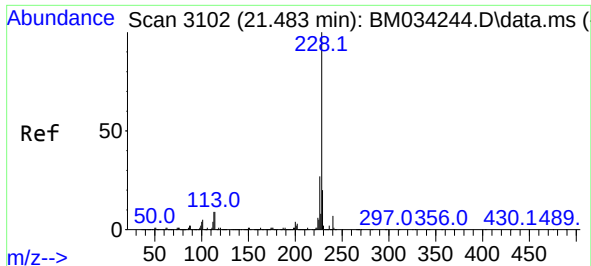


#80
 Butylbenzylphthalate
 Concen: 5.942 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034269.D
 Acq: 17 Mar 2022 10:34



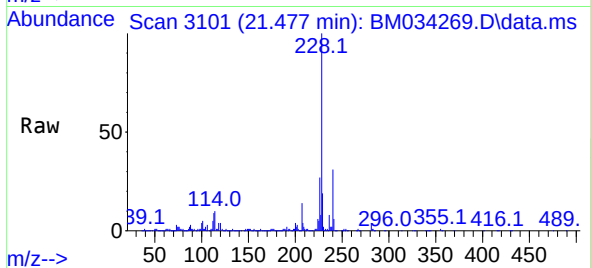
Tgt Ion:149 Resp: 202415
 Ion Ratio Lower Upper
 149 100
 91 72.9 58.5 87.7
 206 20.5 16.9 25.3





#81
Benzo(a)anthracene
Concen: 6.700 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

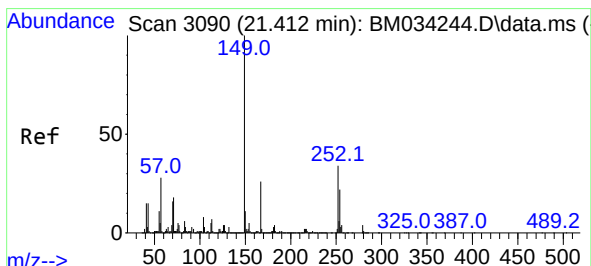
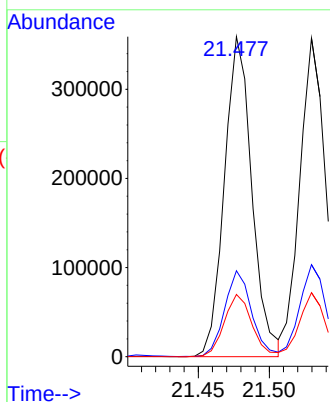
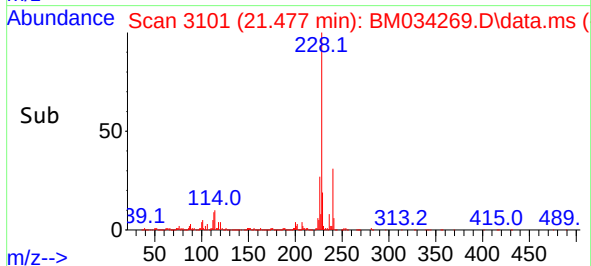
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:228 Resp: 48351
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.4 15.8 23.6

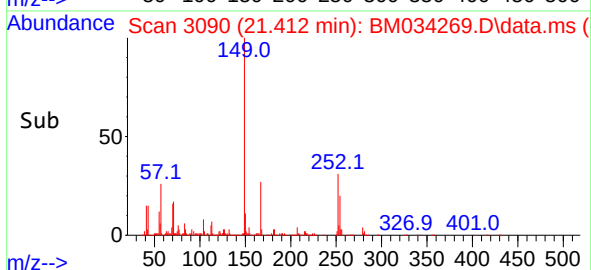
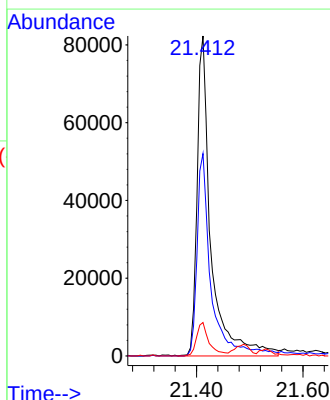
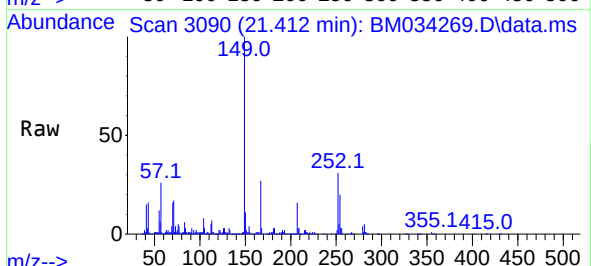
Manual Integrations
APPROVED

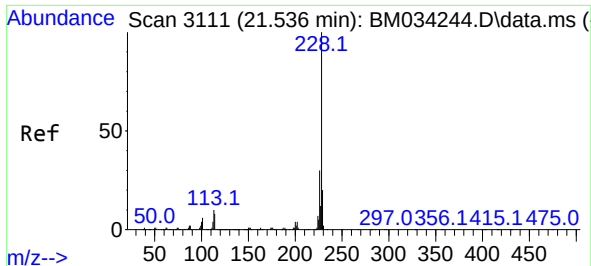
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#82
3,3'-Dichlorobenzidine
Concen: 6.163 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

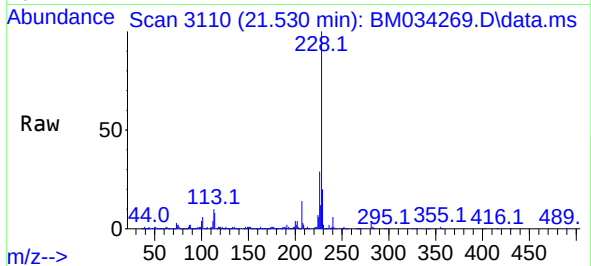
Tgt Ion:252 Resp: 148541
Ion Ratio Lower Upper
252 100
254 63.3 50.9 76.3
126 10.5 8.6 12.8





#83
Chrysene
Concen: 6.492 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

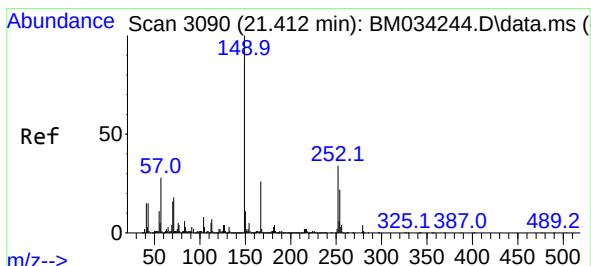
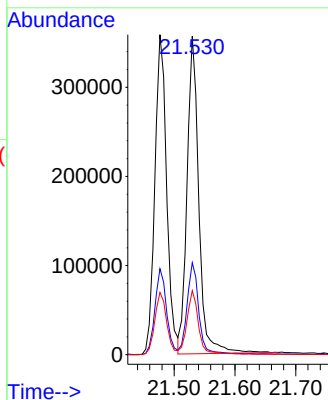
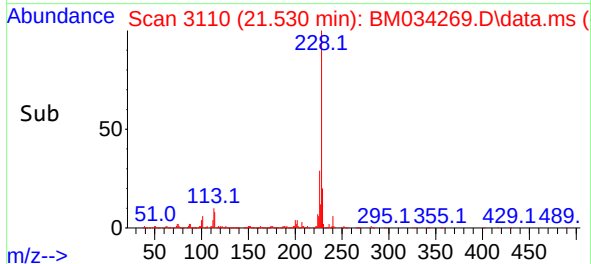
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



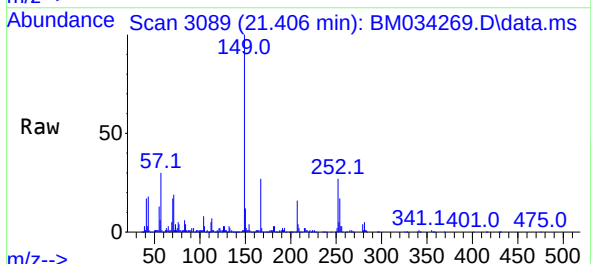
Tgt Ion:228 Resp: 478414
Ion Ratio Lower Upper
228 100
226 28.9 23.8 35.6
229 20.1 15.6 23.4

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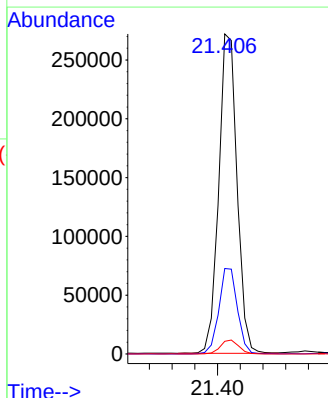
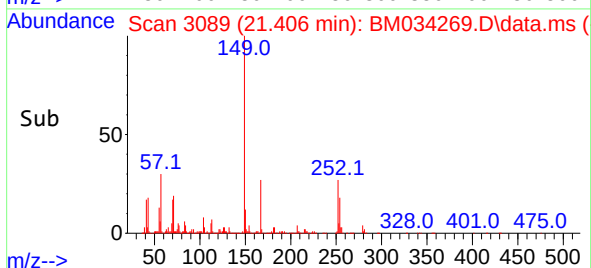
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

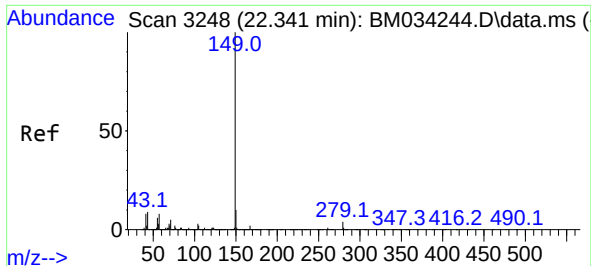


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.048 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



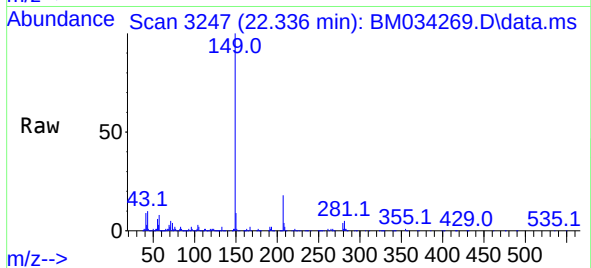
Tgt Ion:149 Resp: 304275
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.0 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 6.059 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

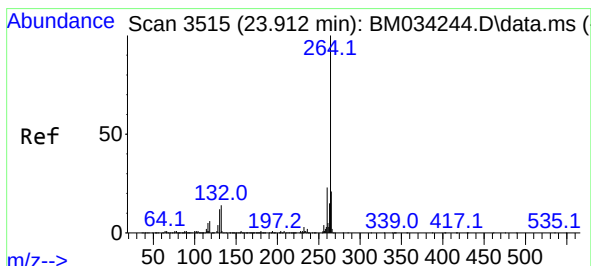
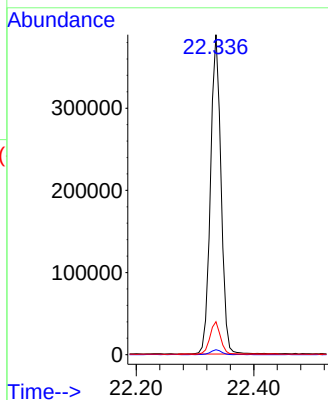
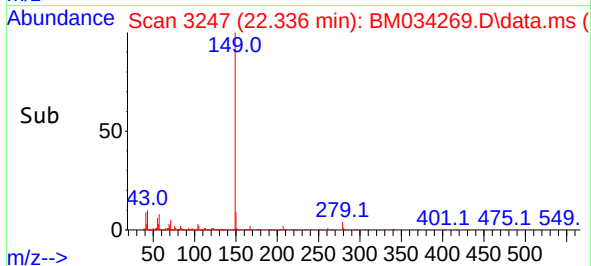
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:149 Resp: 483874
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.3 7.8 11.8

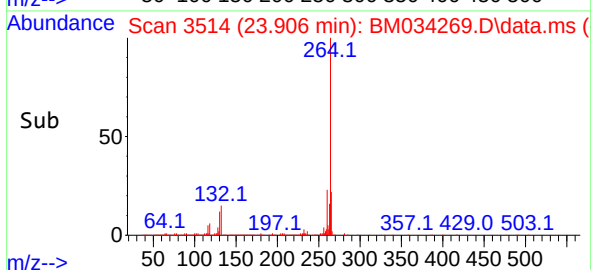
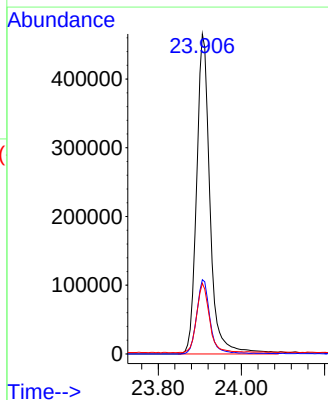
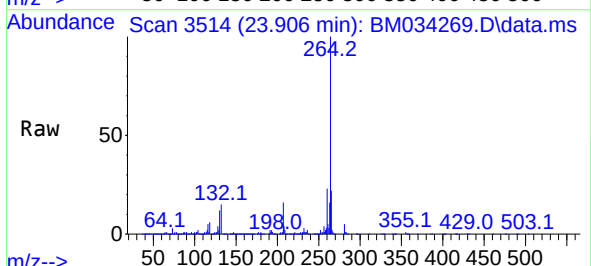
Manual Integrations
APPROVED

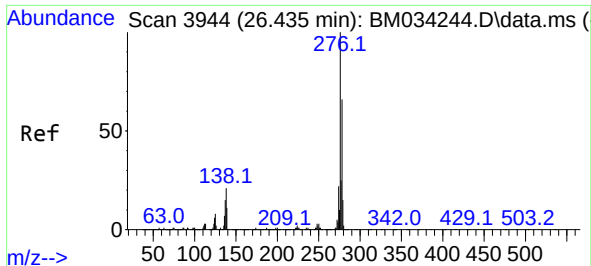
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

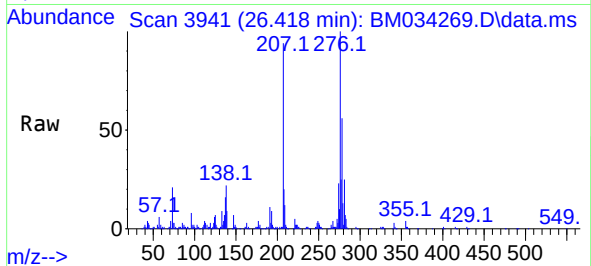
Tgt Ion:264 Resp: 1042839
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.0 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.277 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

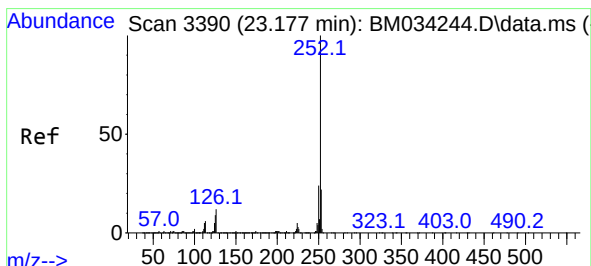
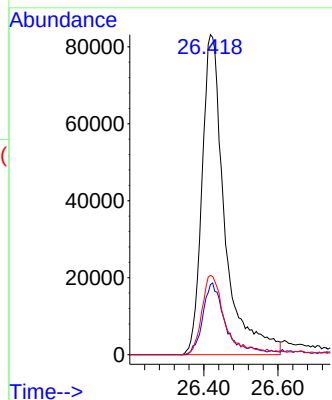
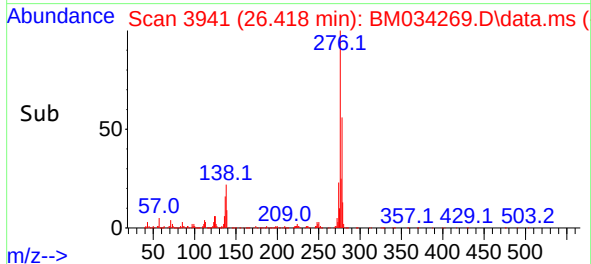
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:276 Resp: 35398
Ion Ratio Lower Upper
276 100
138 21.1 16.6 25.0
277 23.7 19.8 29.6

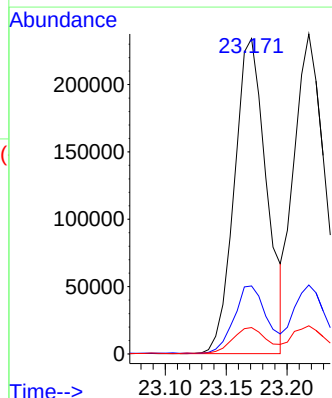
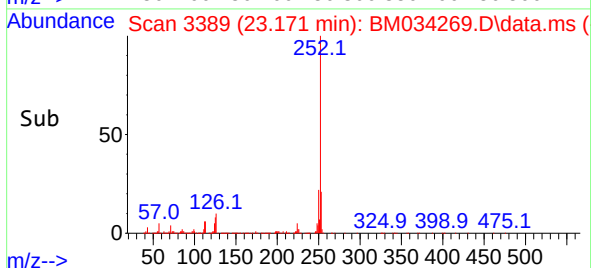
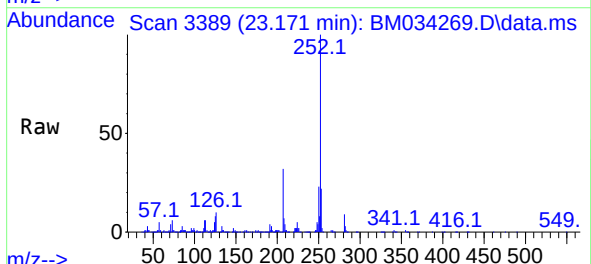
Manual Integrations
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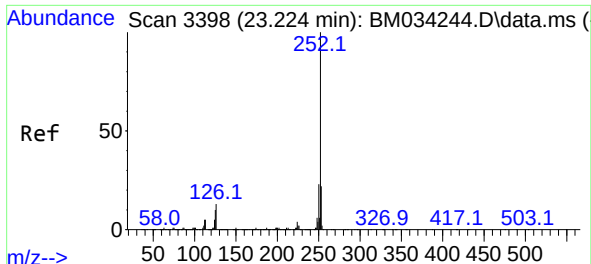
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#88
Benzo(b)fluoranthene
Concen: 6.905 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

Tgt Ion:252 Resp: 430566
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 8.4 7.2 10.8





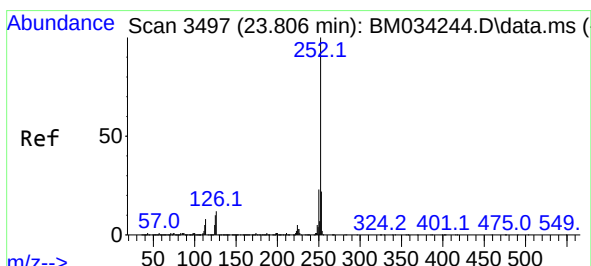
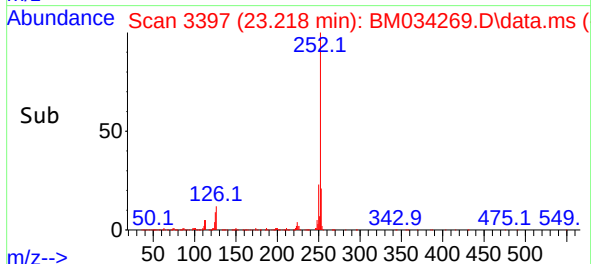
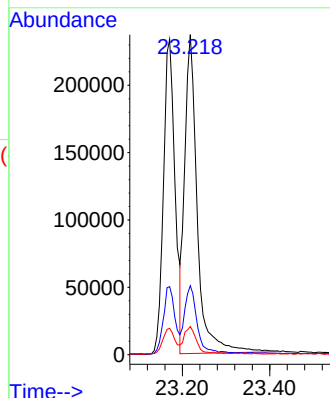
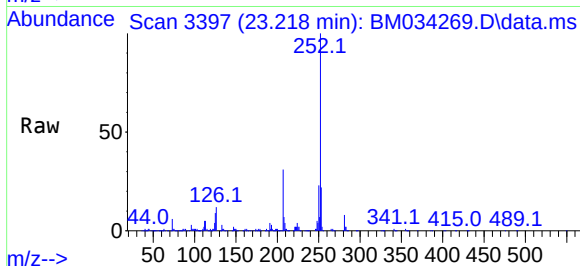
#89
Benzo(k)fluoranthene
Concen: 7.147 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:252 Resp: 472094
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 8.8 7.5 11.3

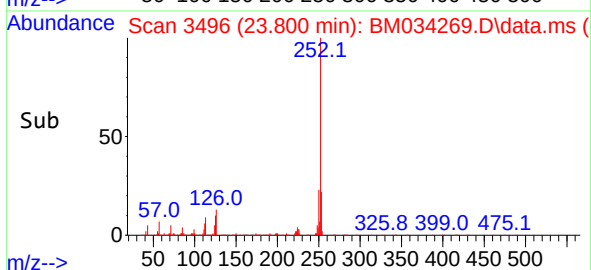
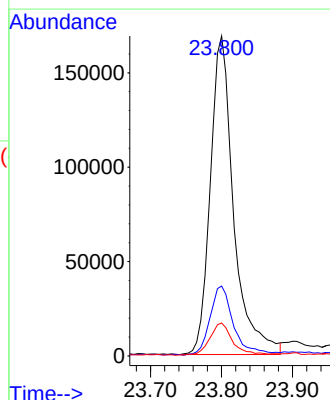
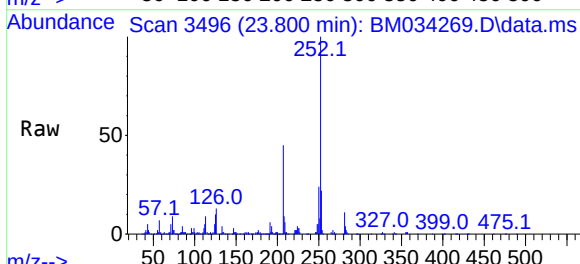
Manual Integrations
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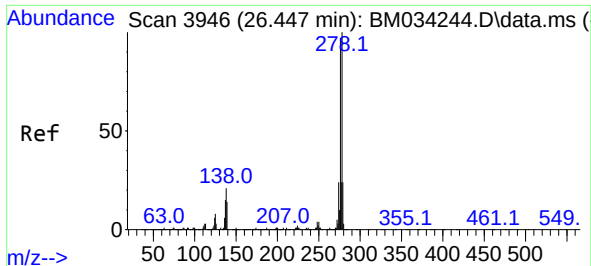
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#90
Benzo(a)pyrene
Concen: 7.293 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

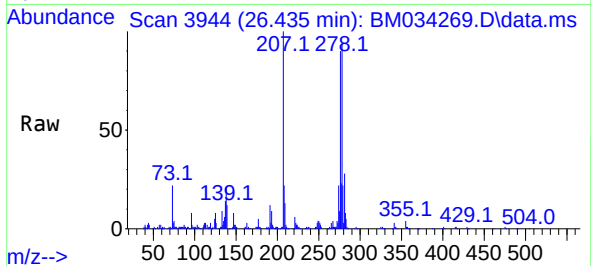
Tgt Ion:252 Resp: 385561
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.3 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 5.471 ng
RT: 26.435 min Scan# 3944
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34

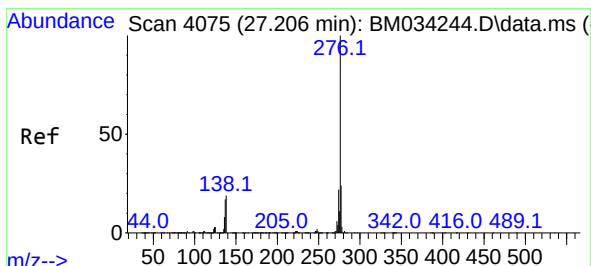
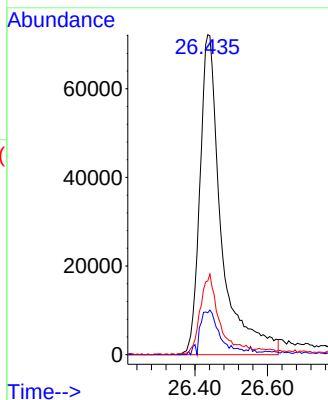
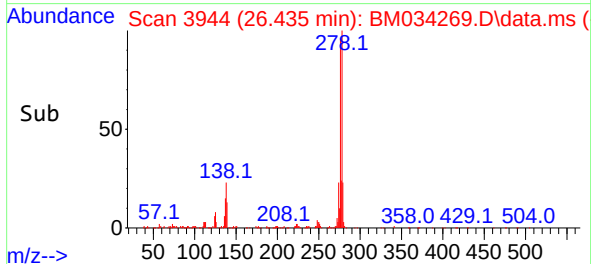
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



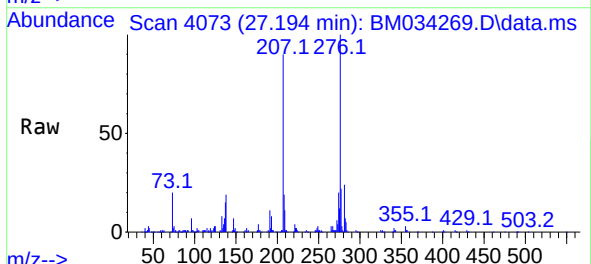
Tgt Ion:278 Resp: 297604
Ion Ratio Lower Upper
278 100
139 13.1 11.2 16.8
279 23.1 19.2 28.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#92
Benzo(g,h,i)perylene
Concen: 5.802 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034269.D
Acq: 17 Mar 2022 10:34



Tgt Ion:276 Resp: 326655
Ion Ratio Lower Upper
276 100
277 21.6 19.0 28.4
138 18.7 15.6 23.4

