

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072022\
 Data File : BM035876.D
 Acq On : 20 Jul 2022 11:20
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 20 11:54:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 18 17:08:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/21/2022
 Supervised By : Jagrut Upadhyay 07/21/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	258542	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	1015246	20.000	ng	0.00
39) Acenaphthene-d10	14.527	164	574649	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1082706	20.000	ng	0.00
76) Chrysene-d12	21.445	240	983851	20.000	ng	0.00
86) Perylene-d12	23.815	264	968356	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1999275	119.883	ng	0.00
7) Phenol-d6	7.063	99	2631371	125.477	ng	0.00
23) Nitrobenzene-d5	9.063	82	1772086	93.354	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	775960	120.720	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	3772741	92.801	ng	0.00
79) Terphenyl-d14	19.892	244	4590617	90.784	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	52185	7.571	ng	96
3) Pyridine	3.728	79	125836	6.869	ng	92
4) n-Nitrosodimethylamine	3.640	42	63375	8.278	ng	# 67
6) Aniline	7.222	93	203897	8.854	ng	95
8) 2-Chlorophenol	7.457	128	138656	8.046	ng	97
9) Benzaldehyde	7.034	77	120510m	10.229	ng	
10) Phenol	7.087	94	168066	7.958	ng	94
11) bis(2-Chloroethyl)ether	7.322	93	136744	8.024	ng	97
12) 1,3-Dichlorobenzene	7.781	146	151737	7.894	ng	99
13) 1,4-Dichlorobenzene	7.934	146	155898	7.966	ng	99
14) 1,2-Dichlorobenzene	8.245	146	148882	7.865	ng	100
15) Benzyl Alcohol	8.140	79	101551	7.349	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.434	45	178143	8.029	ng	99
17) 2-Methylphenol	8.340	107	104483	7.620	ng	96
18) Hexachloroethane	8.975	117	54832	7.788	ng	95
19) n-Nitroso-di-n-propyla...	8.704	70	93685	7.706	ng	89
20) 3+4-Methylphenols	8.669	107	135557	7.315	ng	97
22) Acetophenone	8.722	105	204393	8.146	ng	# 94
24) Nitrobenzene	9.104	77	155828	8.740	ng	98
25) Isophorone	9.628	82	250164	8.424	ng	# 96
26) 2-Nitrophenol	9.816	139	51242	6.380	ng	95
27) 2,4-Dimethylphenol	9.875	122	111691	8.816	ng	98
28) bis(2-Chloroethoxy)met...	10.116	93	165325	7.999	ng	100
29) 2,4-Dichlorophenol	10.345	162	103007	7.333	ng	99
30) 1,2,4-Trichlorobenzene	10.563	180	124330	7.670	ng	99
31) Naphthalene	10.751	128	430991	8.355	ng	98
32) Benzoic acid	9.940	122	35517	3.707	ng	88
33) 4-Chloroaniline	10.863	127	170120	8.244	ng	96
34) Hexachlorobutadiene	11.034	225	71133	7.646	ng	97
35) Caprolactam	11.622	113	26622	6.197	ng	91
36) 4-Chloro-3-methylphenol	11.986	107	105701	7.339	ng	99
37) 2-Methylnaphthalene	12.363	142	270307	8.055	ng	98
38) 1-Methylnaphthalene	12.581	142	263556	8.069	ng	97
40) 1,2,4,5-Tetrachloroben...	12.728	216	128677	7.838	ng	99
41) Hexachlorocyclopentadiene	12.704	237	74431	8.411	ng	98
43) 2,4,6-Trichlorophenol	12.969	196	71710	6.608	ng	97

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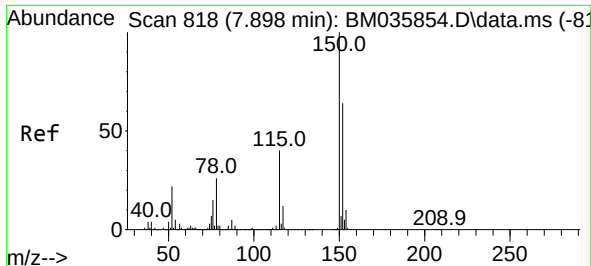
Quant Time: Jul 20 11:54:52 2022
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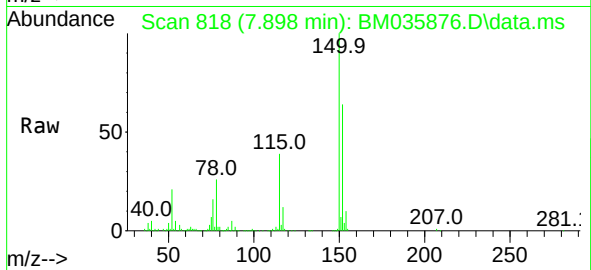
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.033	196	78429	6.854	ng	95
46) 1,1'-Biphenyl	13.369	154	352691	8.068	ng	99
47) 2-Chloronaphthalene	13.410	162	266654	7.936	ng	98
48) 2-Nitroaniline	13.616	65	59328	6.408	ng	96
49) Acenaphthylene	14.251	152	427731	8.268	ng	98
50) Dimethylphthalate	13.992	163	283545	7.496	ng	99
51) 2,6-Dinitrotoluene	14.110	165	55504	7.018	ng	96
52) Acenaphthene	14.592	154	246833	7.964	ng	99
53) 3-Nitroaniline	14.433	138	64884	6.814	ng	98
54) 2,4-Dinitrophenol	14.639	184	17871	4.585	ng	93
55) Dibenzofuran	14.927	168	390349	7.861	ng	96
56) 4-Nitrophenol	14.733	139	45650	6.110	ng	94
57) 2,4-Dinitrotoluene	14.892	165	65707	6.348	ng	91
58) Fluorene	15.574	166	302637	7.763	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.151	232	58182	6.326	ng	98
60) Diethylphthalate	15.351	149	273826	7.306	ng	100
61) 4-Chlorophenyl-phenyle...	15.574	204	144609	7.623	ng	95
62) 4-Nitroaniline	15.592	138	62171	6.376	ng	98
63) Azobenzene	15.863	77	283474	7.366	ng	93
65) 4,6-Dinitro-2-methylph...	15.645	198	26237	4.826	ng	87
66) n-Nitrosodiphenylamine	15.786	169	245648	7.727	ng	100
67) 4-Bromophenyl-phenylether	16.463	248	80731	7.417	ng	99
68) Hexachlorobenzene	16.568	284	98620	7.805	ng	93
69) Atrazine	16.733	200	68404	8.188	ng	97
70) Pentachlorophenol	16.916	266	43184	6.159	ng	98
71) Phenanthrene	17.310	178	459242	8.063	ng	99
72) Anthracene	17.398	178	437157	7.896	ng	99
73) Carbazole	17.668	167	410846	7.316	ng	99
74) Di-n-butylphthalate	18.245	149	372220	6.510	ng	100
75) Fluoranthene	19.321	202	462167	7.465	ng	98
77) Benzidine	19.509	184	194117	11.238	ng	99
78) Pyrene	19.680	202	498420	7.748	ng	99
80) Butylbenzylphthalate	20.586	149	129373	5.634	ng	96
81) Benzo(a)anthracene	21.427	228	469595	7.540	ng	99
82) 3,3'-Dichlorobenzidine	21.362	252	144871	9.930	ng	99
83) Chrysene	21.480	228	453905	7.638	ng	99
84) Bis(2-ethylhexyl)phtha...	21.368	149	190035	5.871	ng	99
85) Di-n-octyl phthalate	22.286	149	292712	5.700	ng	99
87) Indeno(1,2,3-cd)pyrene	26.285	276	497644	7.034	ng	97
88) Benzo(b)fluoranthene	23.092	252	451930	7.840	ng	98
89) Benzo(k)fluoranthene	23.139	252	464289m	7.783	ng	
90) Benzo(a)pyrene	23.709	252	421814	8.597	ng	97
91) Dibenzo(a,h)anthracene	26.303	278	445292	7.574	ng	99
92) Benzo(g,h,i)perylene	27.038	276	446645	7.703	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

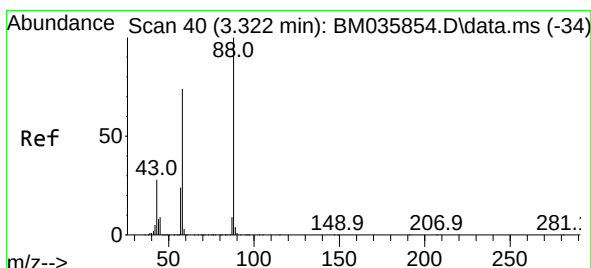
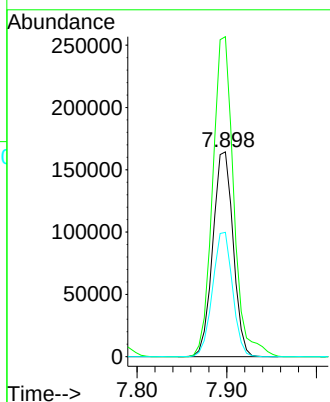
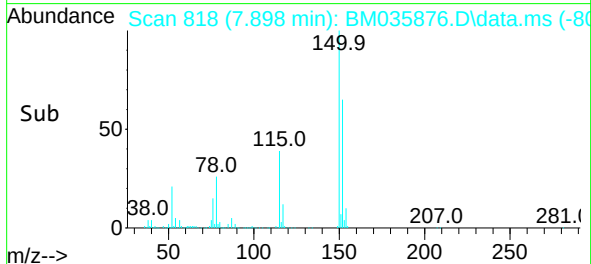
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 25854
Ion Ratio Lower Upper
152 100
150 156.3 124.9 187.3
115 60.7 47.9 71.9

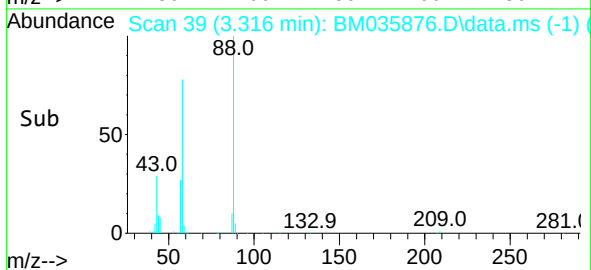
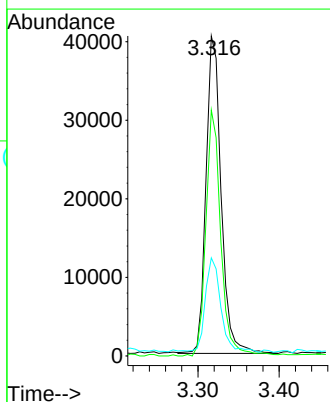
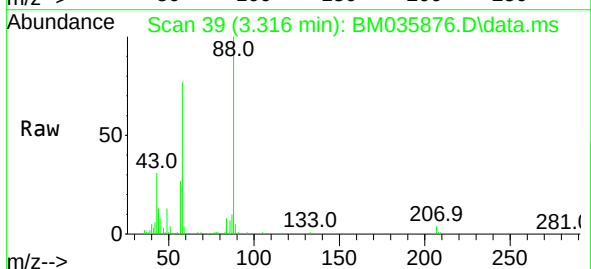
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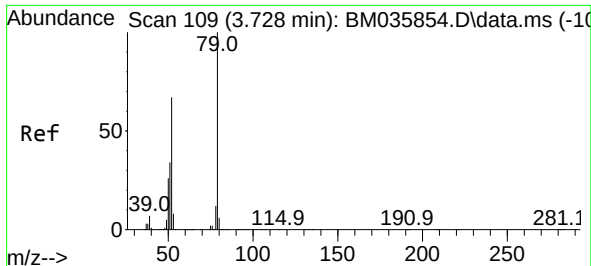
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#2
1,4-Dioxane
Concen: 7.571 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

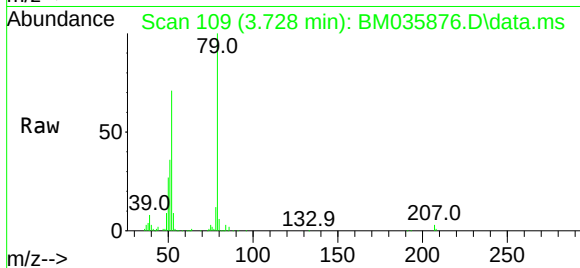
Tgt Ion: 88 Resp: 52185
Ion Ratio Lower Upper
88 100
58 76.2 62.3 93.5
43 30.6 28.7 43.1





#3
Pyridine
Concen: 6.869 ng
RT: 3.728 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

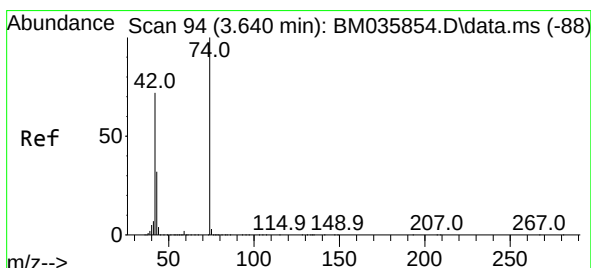
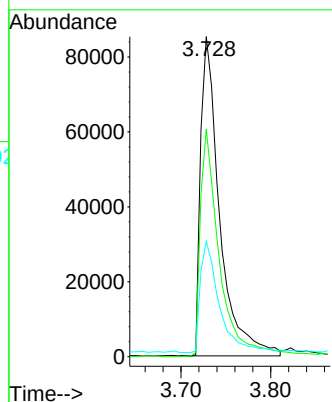
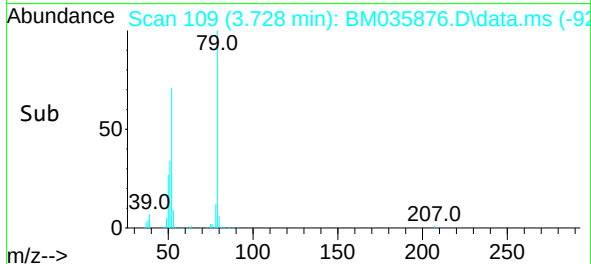
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



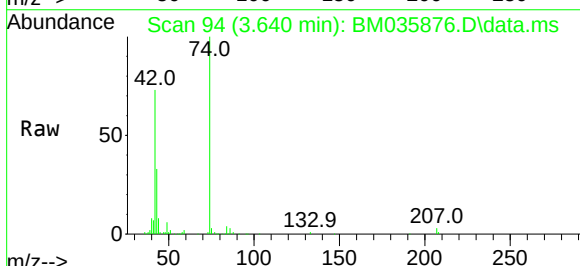
Tgt Ion: 79 Resp: 125836
Ion Ratio Lower Upper
79 100
52 71.2 61.9 92.9
51 36.0 33.5 50.3

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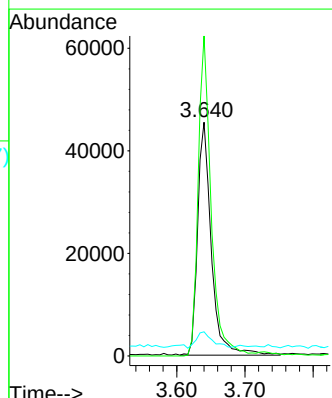
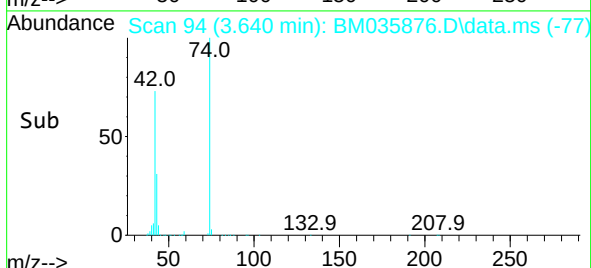
Reviewed By :Christian Giraldo 07/21/2022
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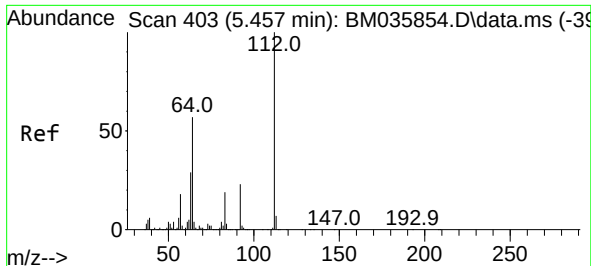


#4
n-Nitrosodimethylamine
Concen: 8.278 ng
RT: 3.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



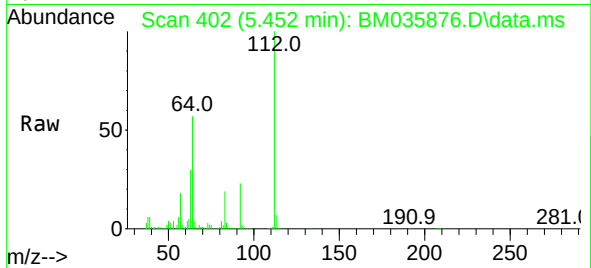
Tgt Ion: 42 Resp: 63375
Ion Ratio Lower Upper
42 100
74 136.9 81.6 122.4#
44 10.3 5.2 7.8#





#5
2-Fluorophenol
Concen: 119.883 ng
RT: 5.452 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

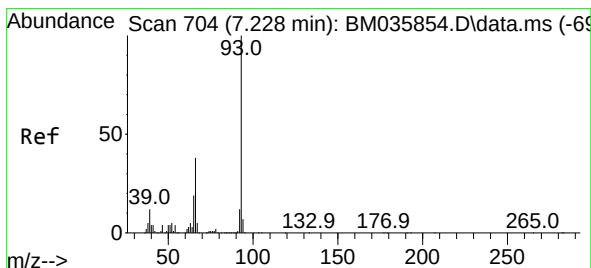
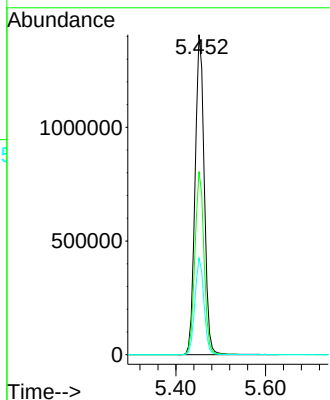
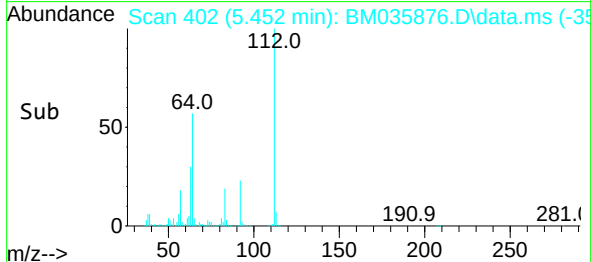
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:112 Resp: 199927
Ion Ratio Lower Upper
112 100
64 57.3 47.8 71.6
63 30.2 26.6 40.0

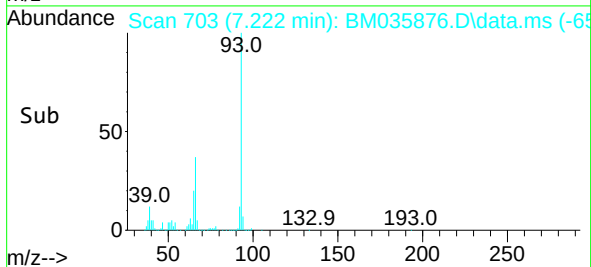
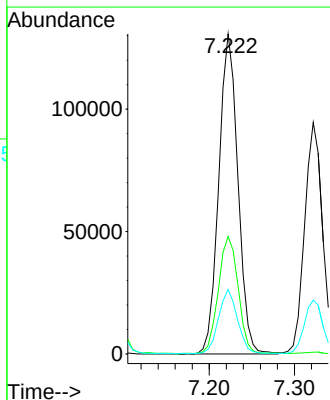
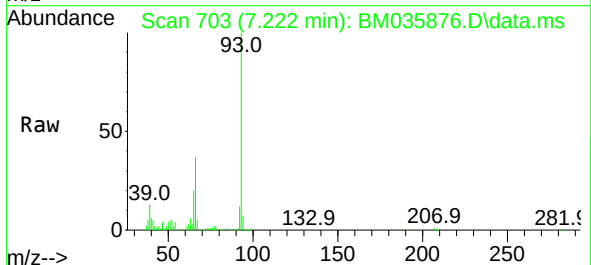
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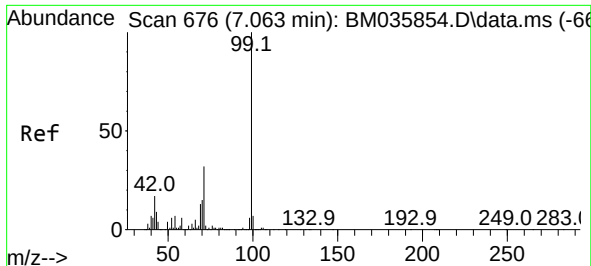
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#6
Aniline
Concen: 8.854 ng
RT: 7.222 min Scan# 703
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

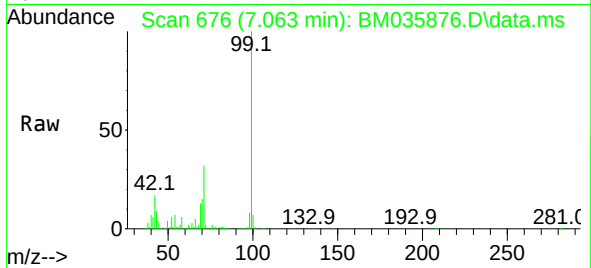
Tgt Ion: 93 Resp: 203897
Ion Ratio Lower Upper
93 100
66 36.7 32.6 49.0
65 20.1 16.8 25.2





#7
Phenol-d6
Concen: 125.477 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

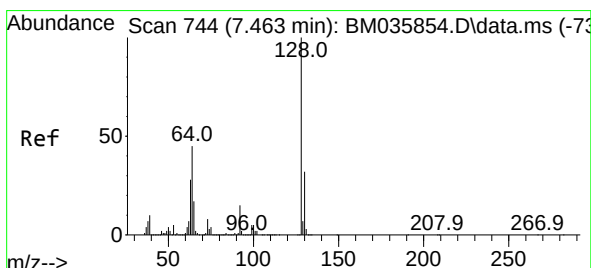
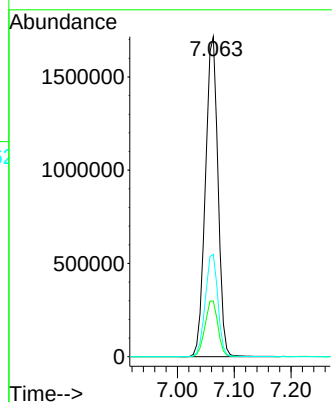
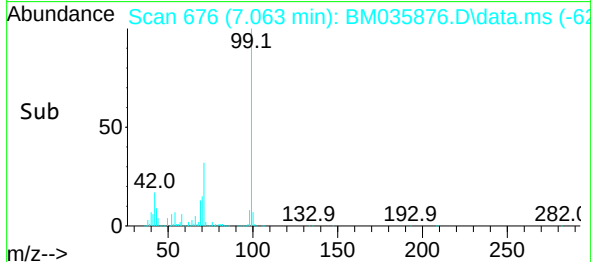
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 99 Resp: 263137
Ion Ratio Lower Upper
99 100
42 17.4 18.8 28.2
71 32.0 30.2 45.2

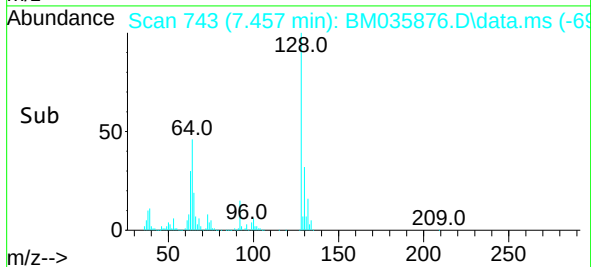
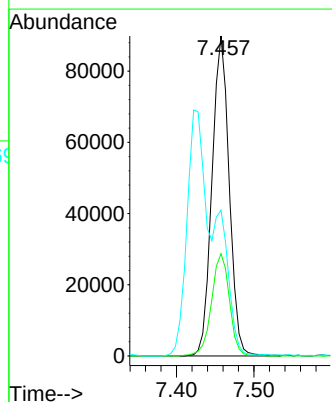
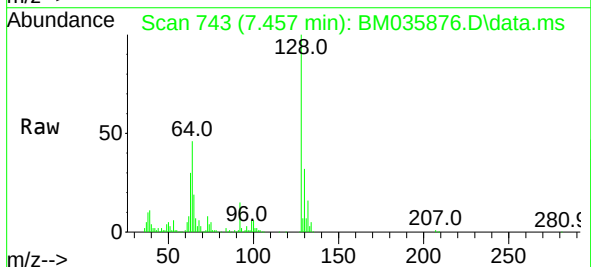
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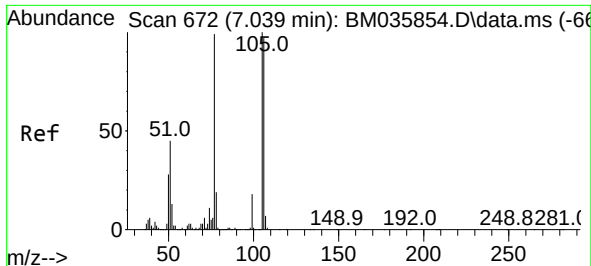
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#8
2-Chlorophenol
Concen: 8.046 ng
RT: 7.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

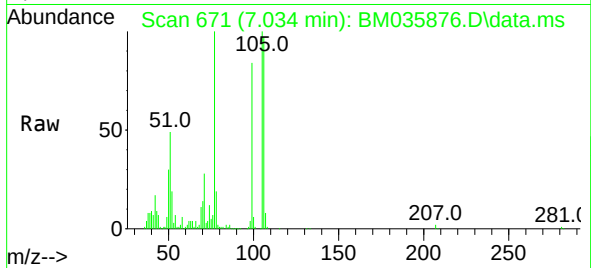
Tgt Ion:128 Resp: 138656
Ion Ratio Lower Upper
128 100
130 32.0 10.9 50.9
64 45.5 28.2 68.2





#9
Benzaldehyde
Concen: 10.229 ng m
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

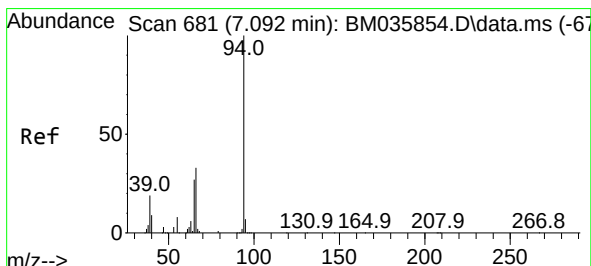
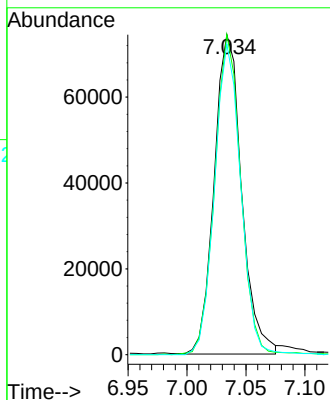
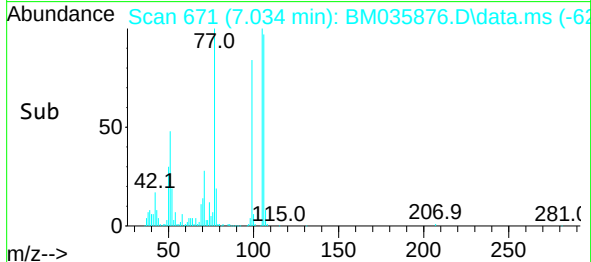
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 77 Resp: 120510
Ion Ratio Lower Upper
77 100
105 100.0 76.3 116.3
106 97.1 69.0 109.0

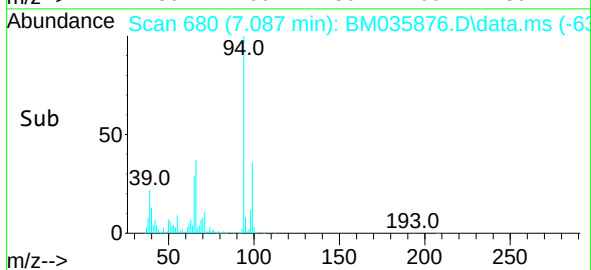
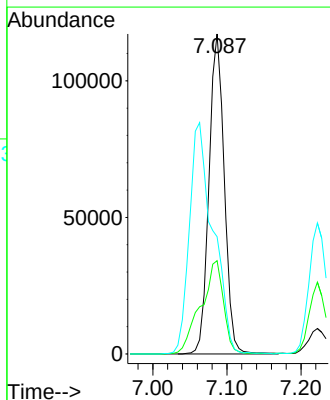
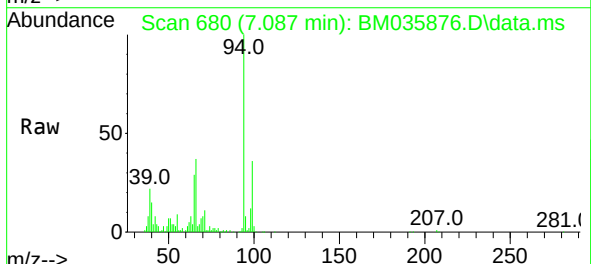
Manual Integrations
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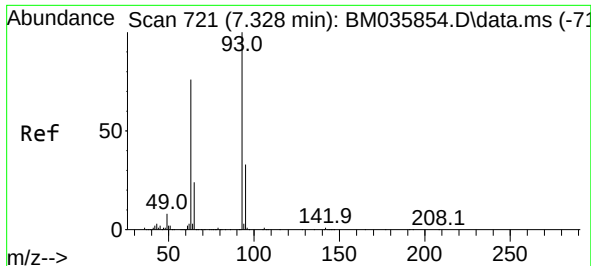
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#10
Phenol
Concen: 7.958 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

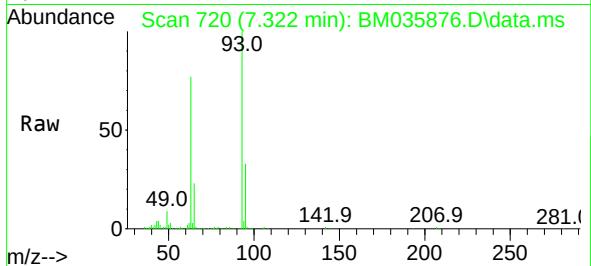
Tgt Ion: 94 Resp: 168066
Ion Ratio Lower Upper
94 100
65 29.2 11.4 51.4
66 36.7 21.4 61.4





#11
bis(2-Chloroethyl)ether
Concen: 8.024 ng
RT: 7.322 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

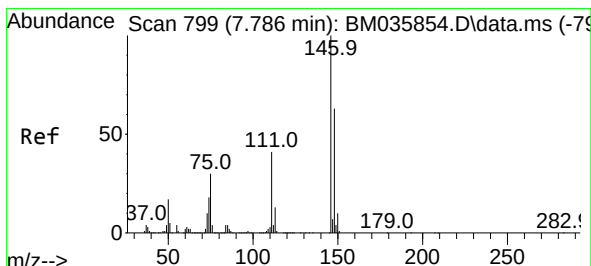
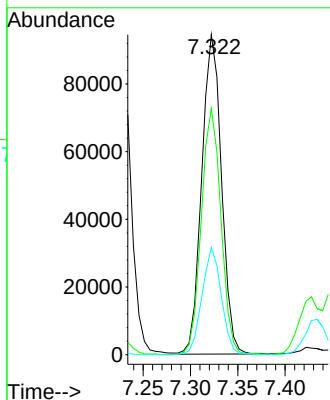
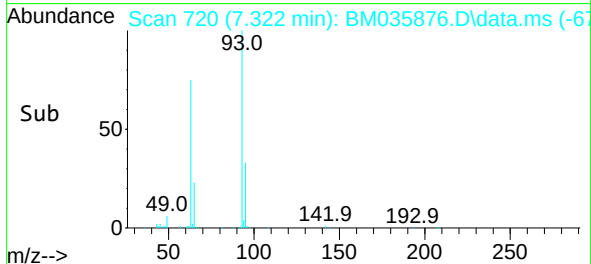
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



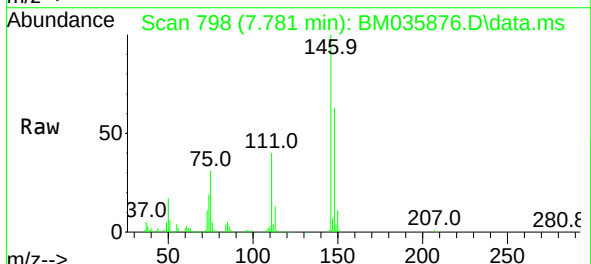
Tgt Ion: 93 Resp: 136744
Ion Ratio Lower Upper
93 100
63 77.0 60.6 100.6
95 33.5 13.2 53.2

Manual Integrations
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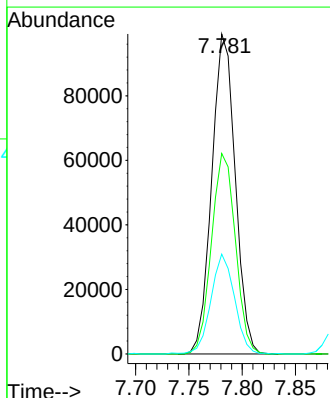
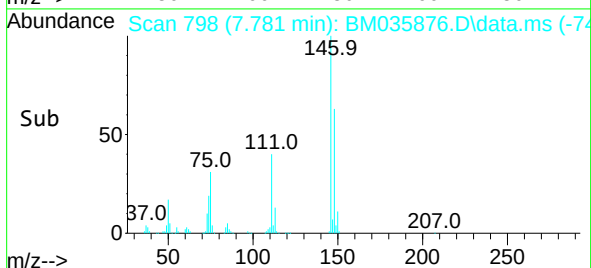
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

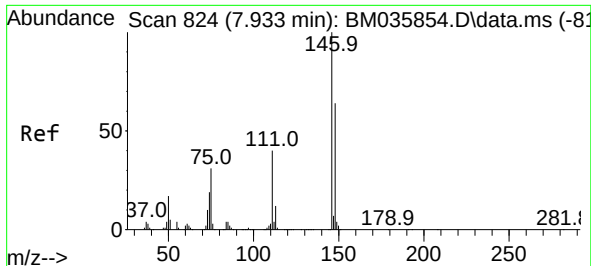


#12
1,3-Dichlorobenzene
Concen: 7.894 ng
RT: 7.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



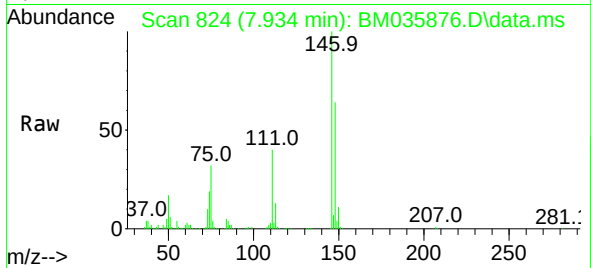
Tgt Ion:146 Resp: 151737
Ion Ratio Lower Upper
146 100
148 62.7 50.7 76.1
75 31.2 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 7.966 ng
RT: 7.934 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

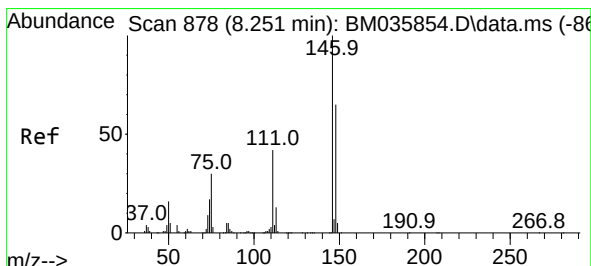
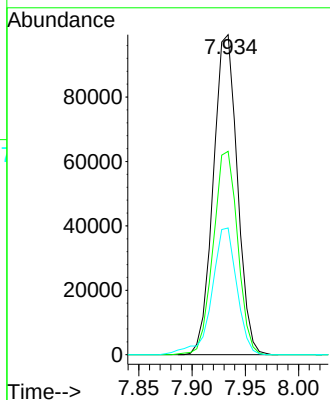
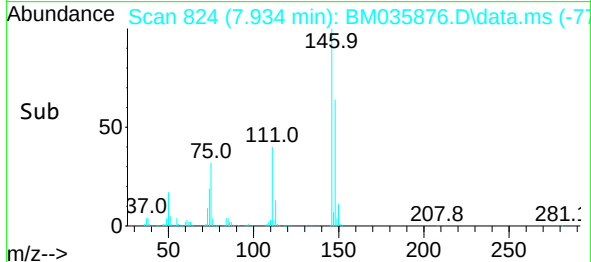
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



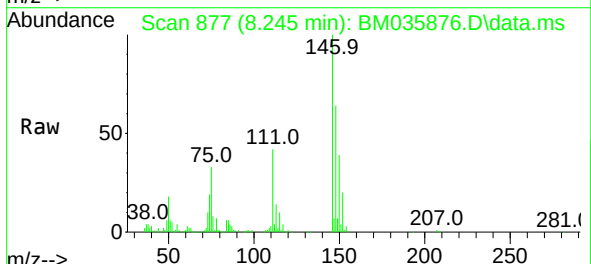
Tgt Ion:146 Resp: 155898
Ion Ratio Lower Upper
146 100
148 63.5 51.5 77.3
111 39.6 32.5 48.7

Manual Integrations
APPROVED

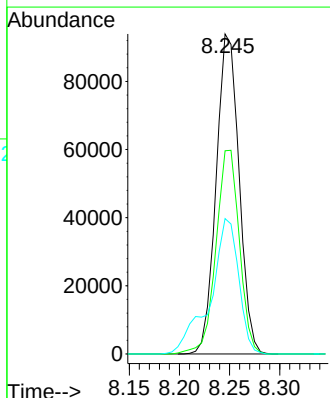
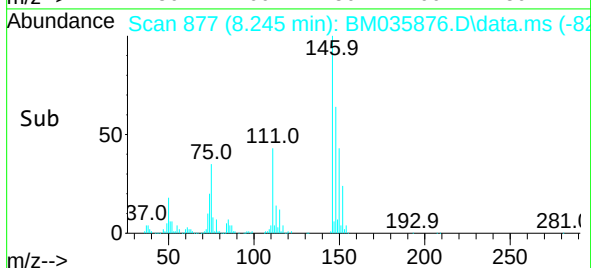
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

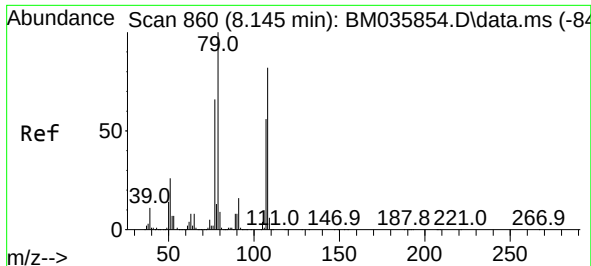


#14
1,2-Dichlorobenzene
Concen: 7.865 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



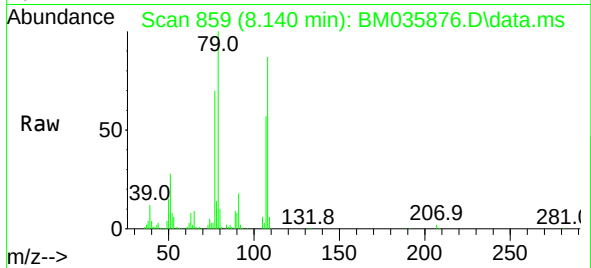
Tgt Ion:146 Resp: 148882
Ion Ratio Lower Upper
146 100
148 63.5 50.7 76.1
111 42.3 33.9 50.9





#15
Benzyl Alcohol
Concen: 7.349 ng
RT: 8.140 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

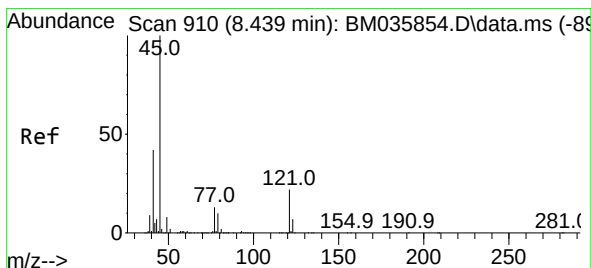
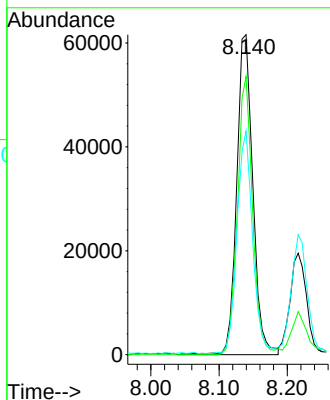
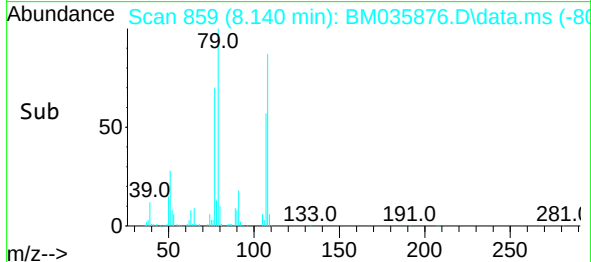
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 79 Resp: 10155
Ion Ratio Lower Upper
79 100
108 87.0 59.0 88.4
77 69.9 52.2 78.4

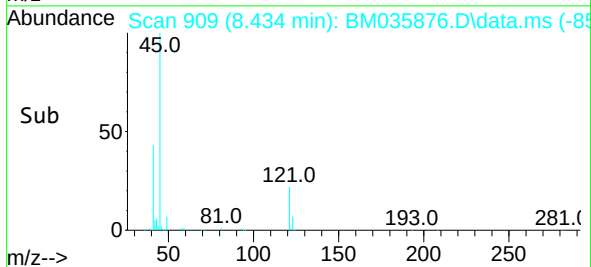
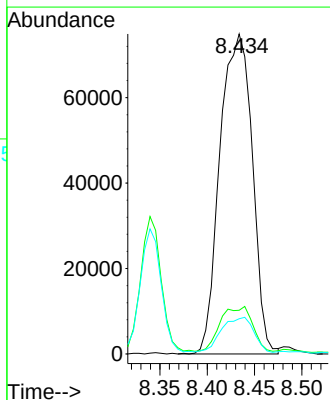
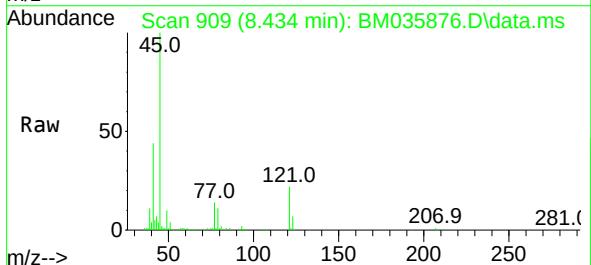
Manual Integrations
APPROVED

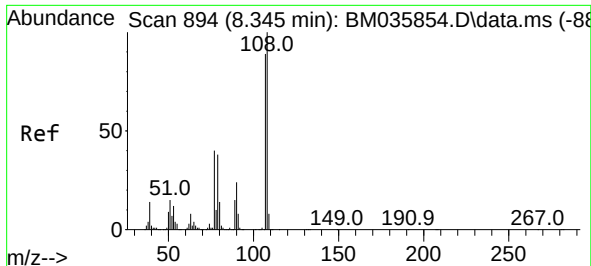
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.029 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

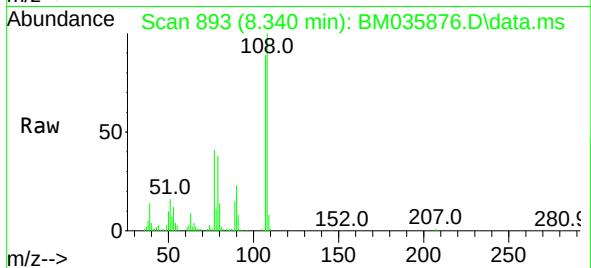
Tgt Ion: 45 Resp: 178143
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.1
79 11.0 0.0 30.5





#17
2-Methylphenol
Concen: 7.620 ng
RT: 8.340 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

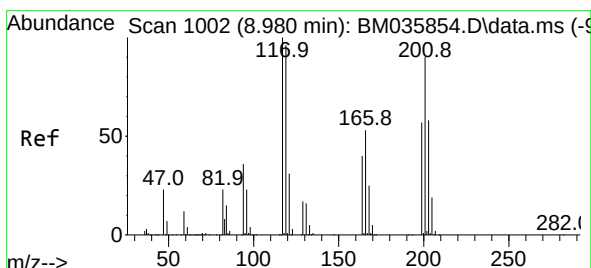
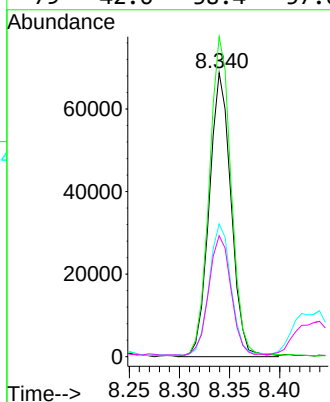
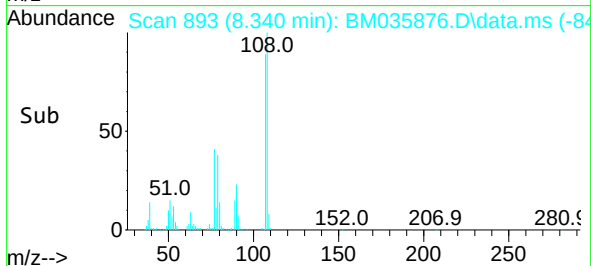
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:107 Resp: 10448
Ion Ratio Lower Upper
107 100
108 112.8 88.7 133.1
77 46.8 40.6 60.8
79 42.6 38.4 57.6

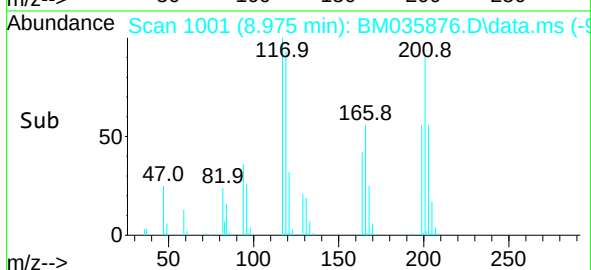
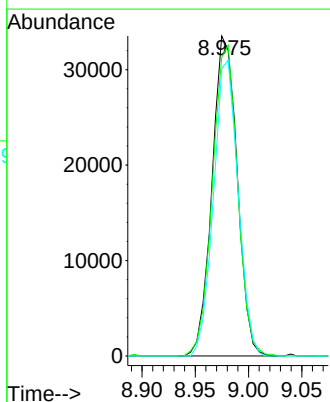
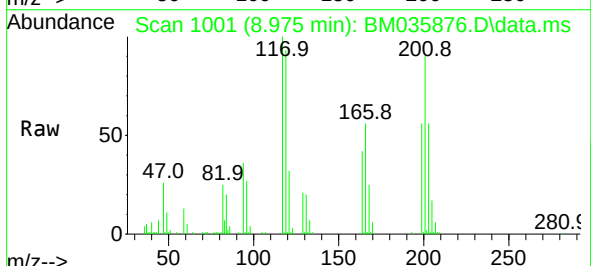
Manual Integrations
APPROVED

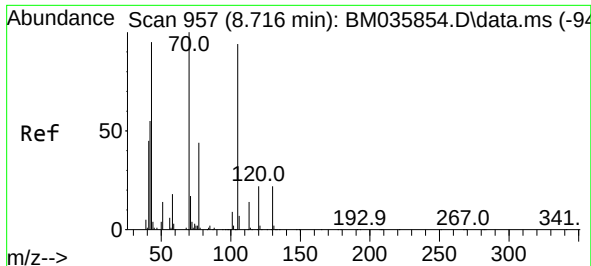
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#18
Hexachloroethane
Concen: 7.788 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

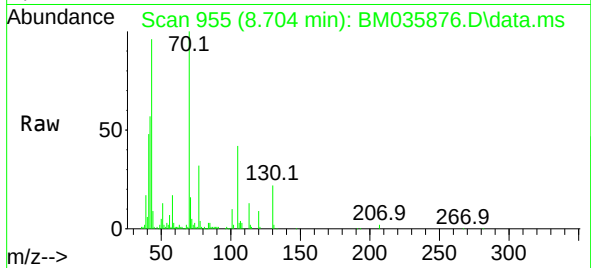
Tgt Ion:117 Resp: 54832
Ion Ratio Lower Upper
117 100
119 93.3 75.8 113.6
201 92.0 81.0 121.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.706 ng
RT: 8.704 min Scan# 911
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

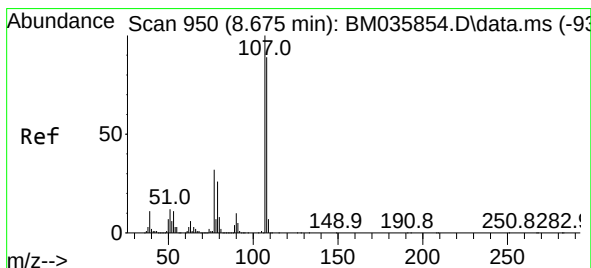
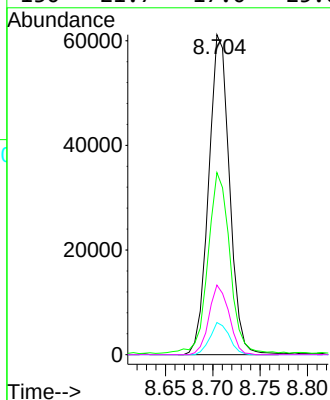
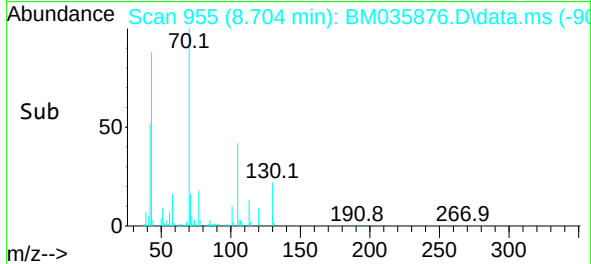
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



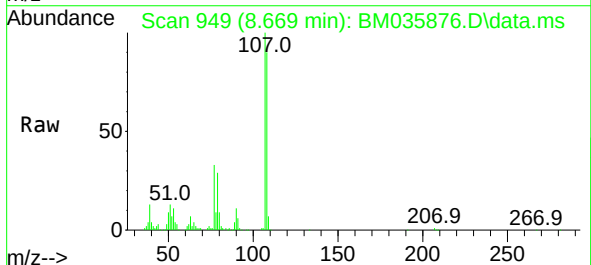
Tgt Ion: 70 Resp: 9368
Ion Ratio Lower Upper
70 100
42 56.9 55.4 83.2
101 10.1 7.8 11.6
130 21.7 17.0 25.6

Manual Integrations
APPROVED

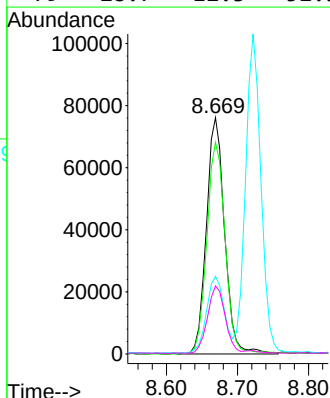
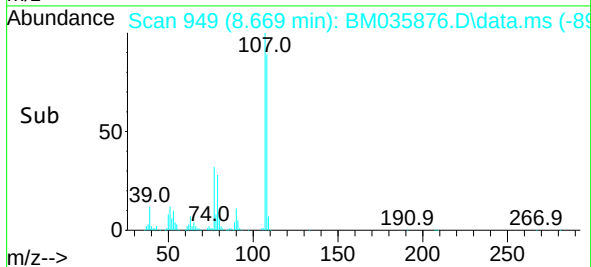
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

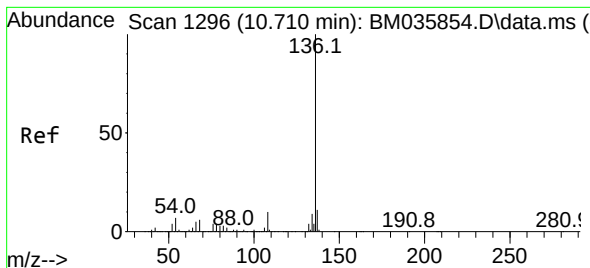


#20
3+4-Methylphenols
Concen: 7.315 ng
RT: 8.669 min Scan# 949
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



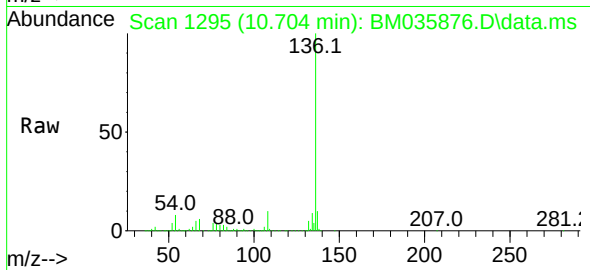
Tgt Ion:107 Resp: 135557
Ion Ratio Lower Upper
107 100
108 89.5 69.3 109.3
77 32.8 15.8 55.8
79 28.7 12.3 52.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1015240
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

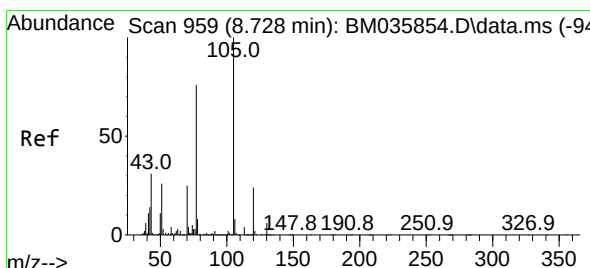
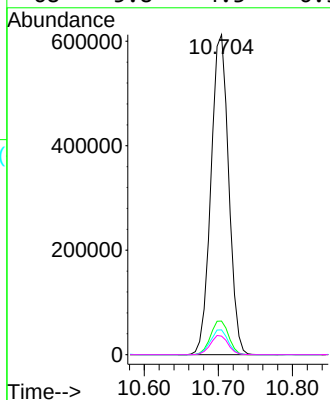
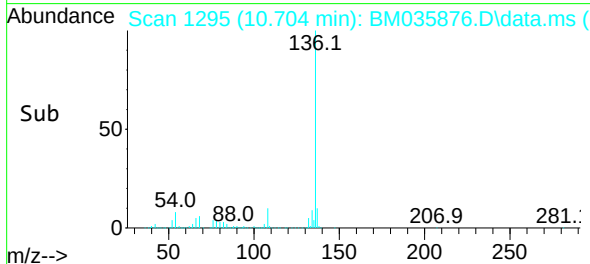
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 1015240
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.8 7.0 10.4
68 5.8 4.3 6.5

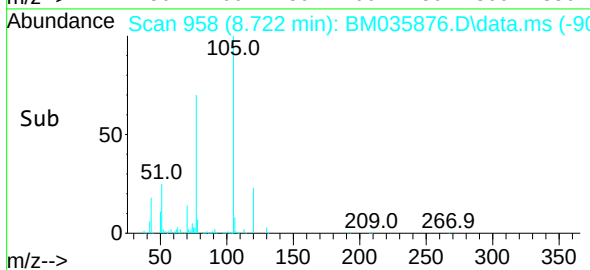
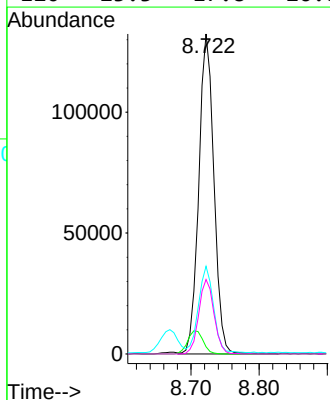
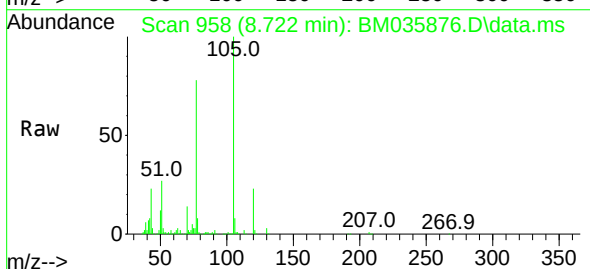
Manual Integrations
APPROVED

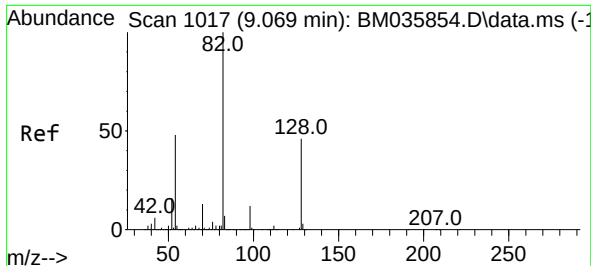
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#22
Acetophenone
Concen: 8.146 ng
RT: 8.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

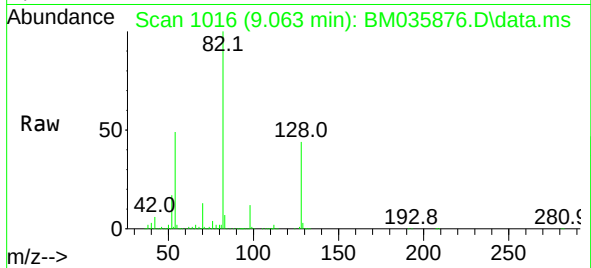
Tgt Ion:105 Resp: 204393
Ion Ratio Lower Upper
105 100
71 2.3 5.0 7.4#
51 27.4 25.6 38.4
120 23.3 17.8 26.8





#23
Nitrobenzene-d5
Concen: 93.354 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

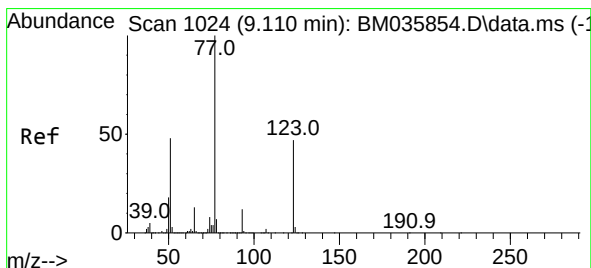
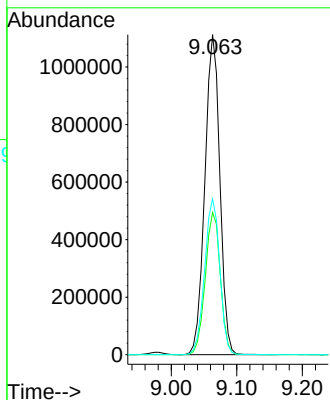
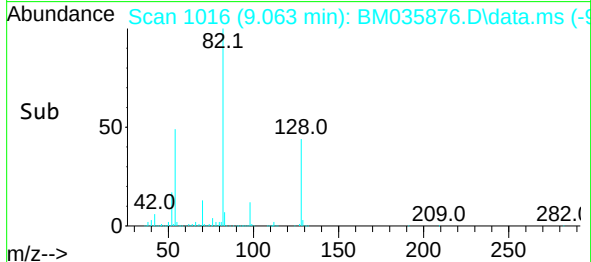
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



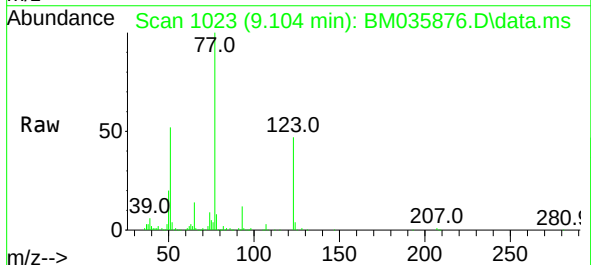
Tgt Ion: 82 Resp: 1772080
Ion Ratio Lower Upper
82 100
128 44.5 33.7 50.5
54 48.7 43.2 64.8

Manual Integrations
APPROVED

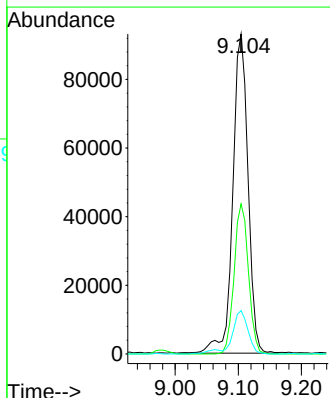
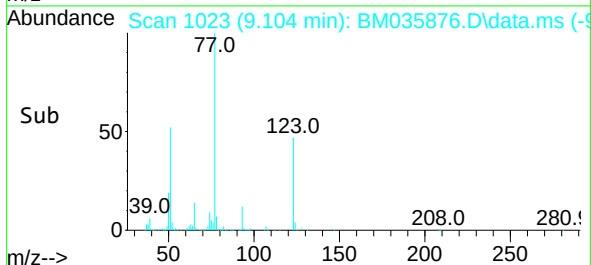
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

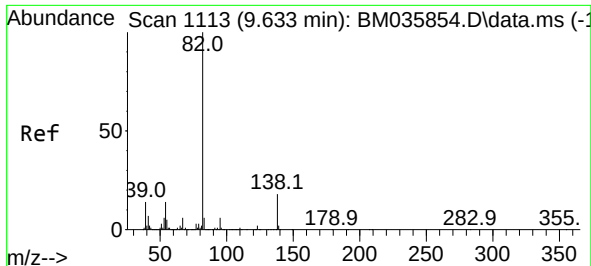


#24
Nitrobenzene
Concen: 8.740 ng
RT: 9.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



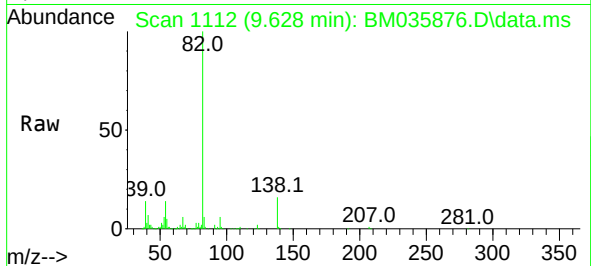
Tgt Ion: 77 Resp: 155828
Ion Ratio Lower Upper
77 100
123 46.9 36.2 54.4
65 13.6 11.4 17.0





#25
Isophorone
Concen: 8.424 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

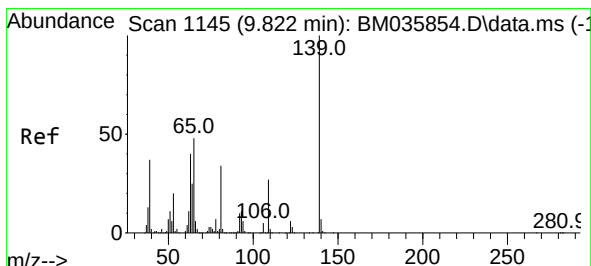
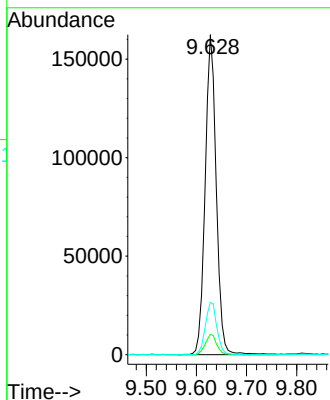
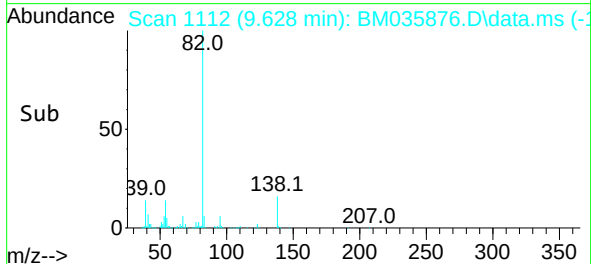
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



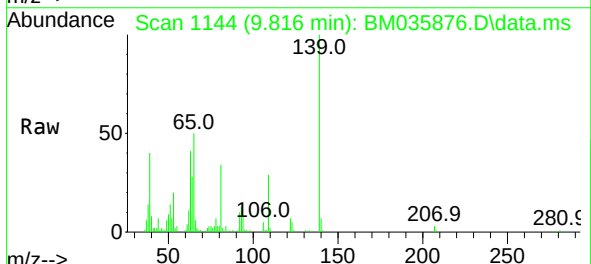
Tgt Ion: 82 Resp: 250164
Ion Ratio Lower Upper
82 100
95 6.4 6.4 9.6
138 16.4 14.2 21.4

Manual Integrations
APPROVED

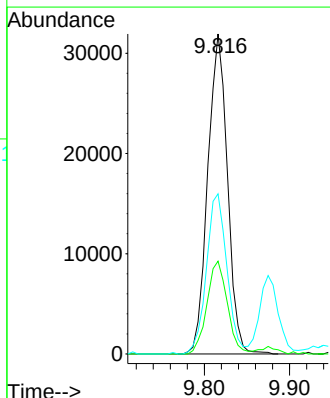
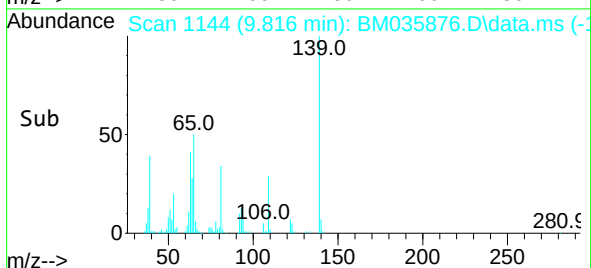
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

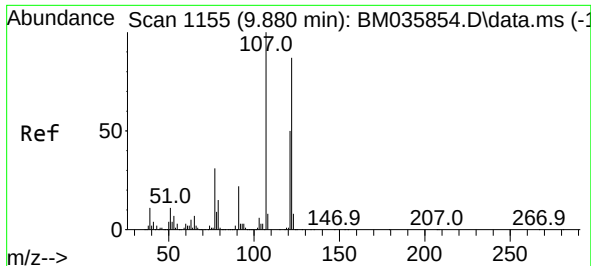


#26
2-Nitrophenol
Concen: 6.380 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



Tgt Ion:139 Resp: 51242
Ion Ratio Lower Upper
139 100
109 29.0 25.6 38.4
65 50.1 43.2 64.8





#27

2,4-Dimethylphenol

Concen: 8.816 ng

RT: 9.875 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BM035876.D

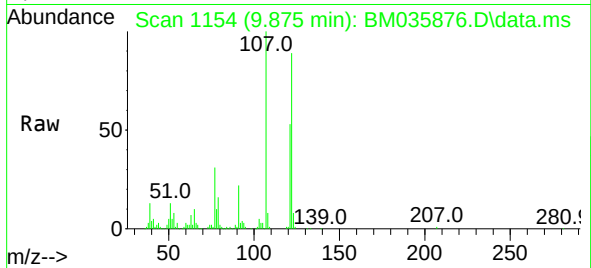
Acq: 20 Jul 2022 11:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



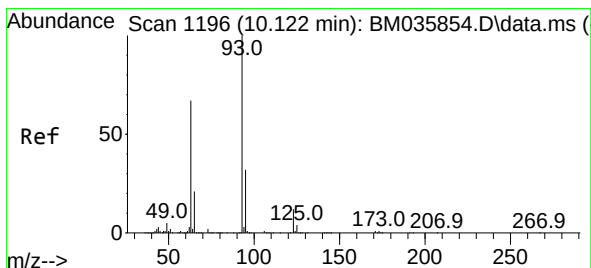
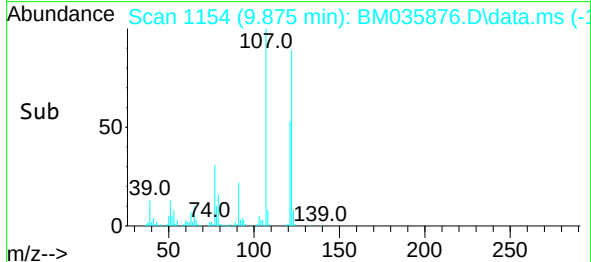
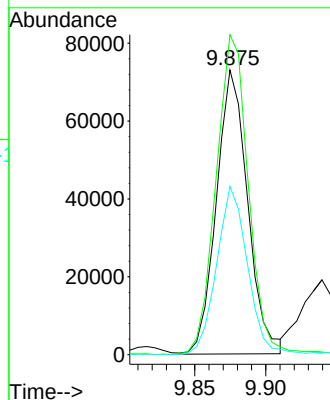
Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.4	92.4	138.6
121	59.1	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 7.999 ng

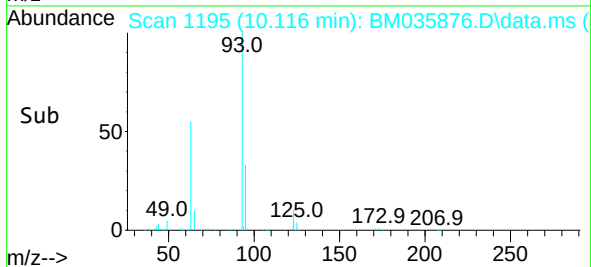
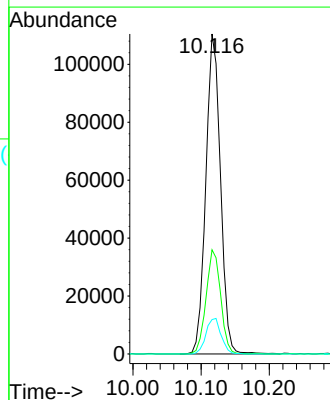
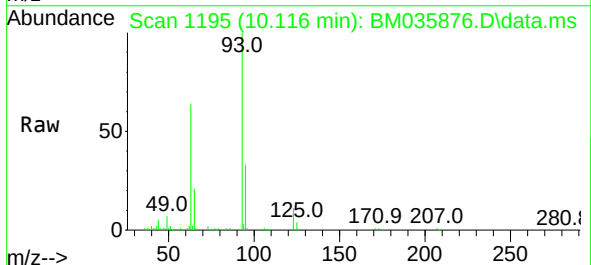
RT: 10.116 min Scan# 1195

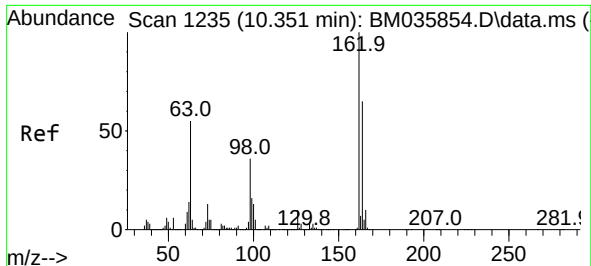
Delta R.T. -0.006 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

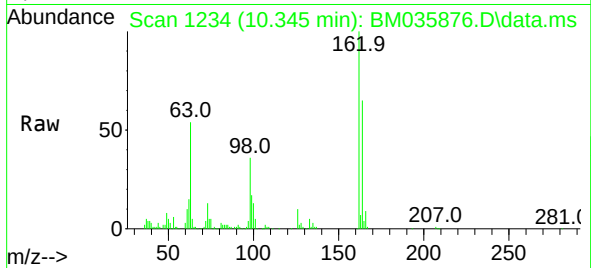
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	10.8	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 7.333 ng
RT: 10.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

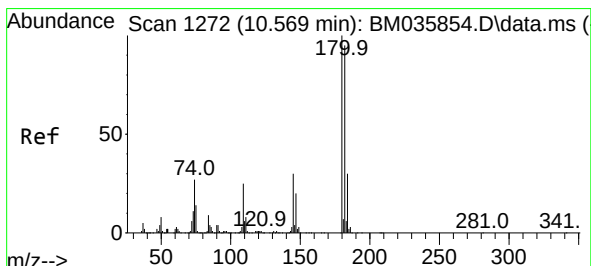
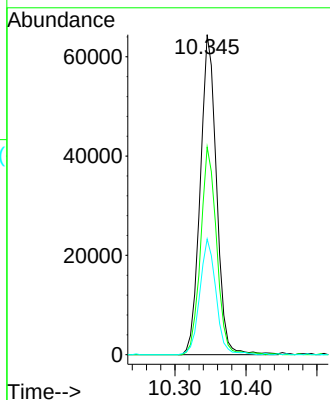
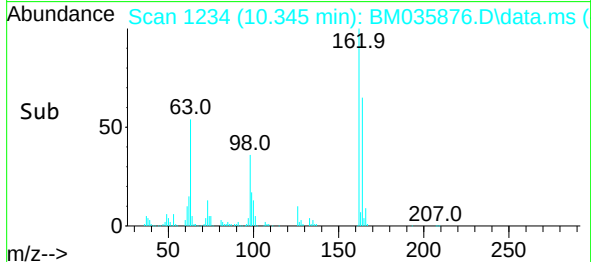
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



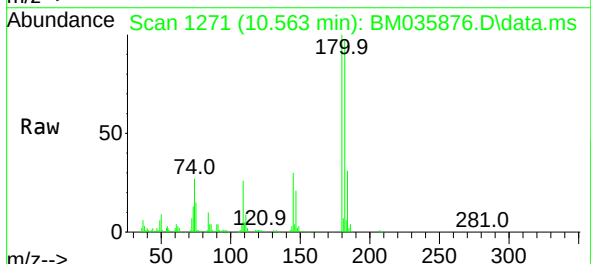
Tgt Ion:162 Resp: 10300
Ion Ratio Lower Upper
162 100
164 64.9 44.2 84.2
98 36.2 15.0 55.0

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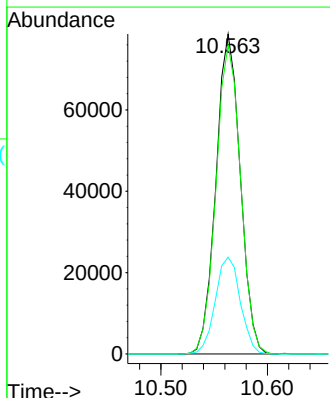
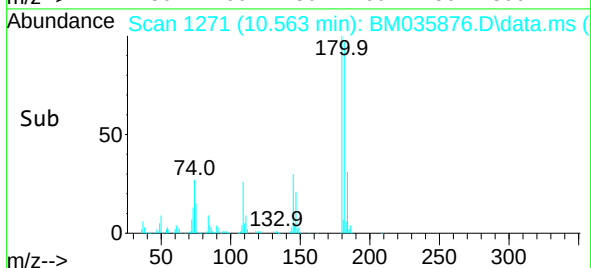
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

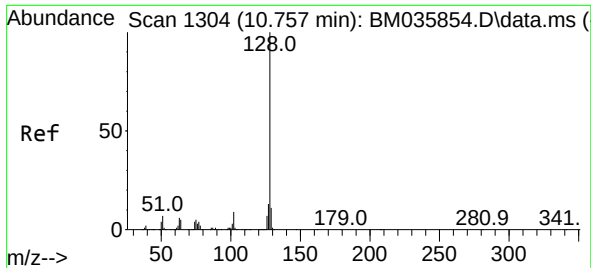


#30
1,2,4-Trichlorobenzene
Concen: 7.670 ng
RT: 10.563 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



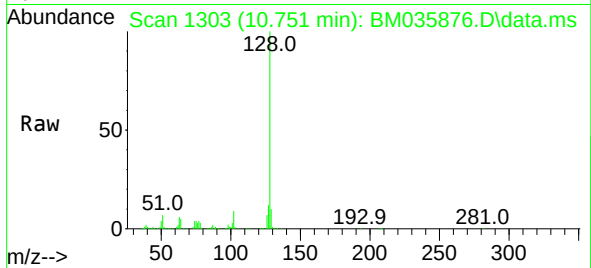
Tgt Ion:180 Resp: 124330
Ion Ratio Lower Upper
180 100
182 96.5 77.9 116.9
145 30.3 25.0 37.6





#31
Naphthalene
Concen: 8.355 ng
RT: 10.751 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

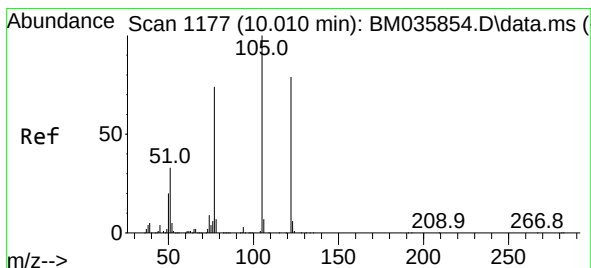
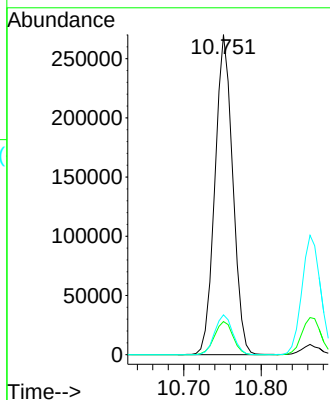
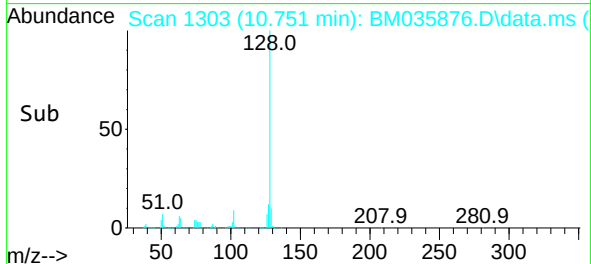
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:128 Resp: 43099
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 12.4 10.6 16.0

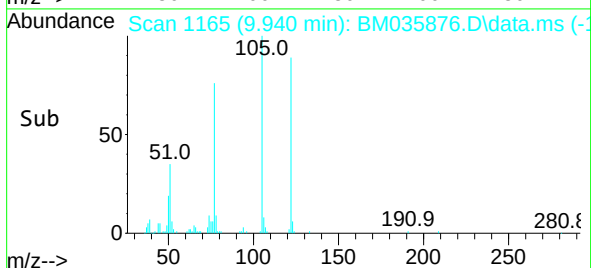
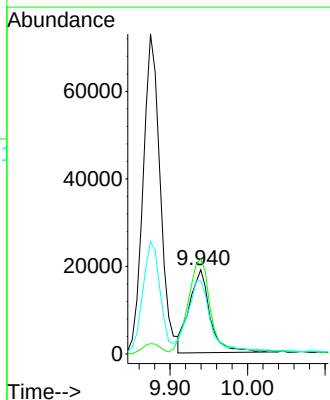
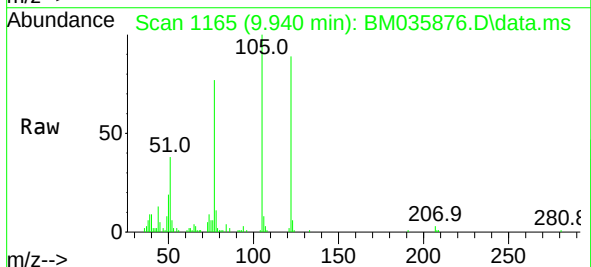
Manual Integrations
APPROVED

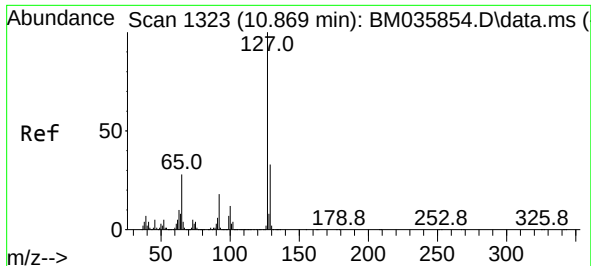
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#32
Benzoic acid
Concen: 3.707 ng
RT: 9.940 min Scan# 1165
Delta R.T. -0.070 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

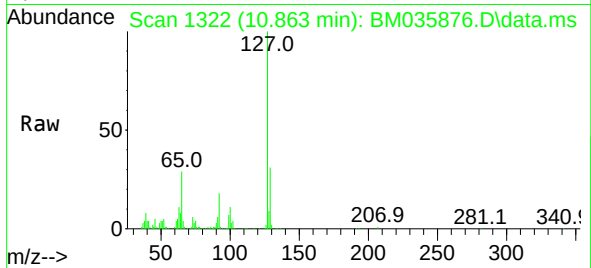
Tgt Ion:122 Resp: 35517
Ion Ratio Lower Upper
122 100
105 112.7 105.7 145.7
77 86.7 80.0 120.0





#33
4-Chloroaniline
Concen: 8.244 ng
RT: 10.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

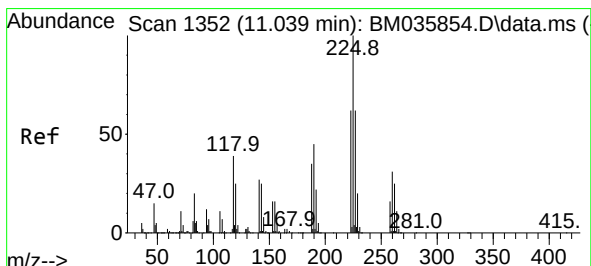
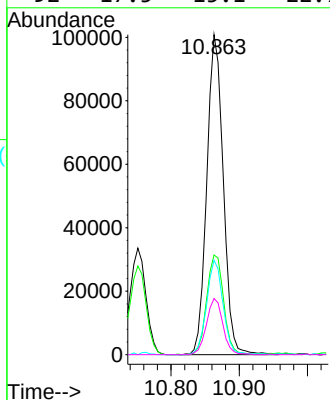
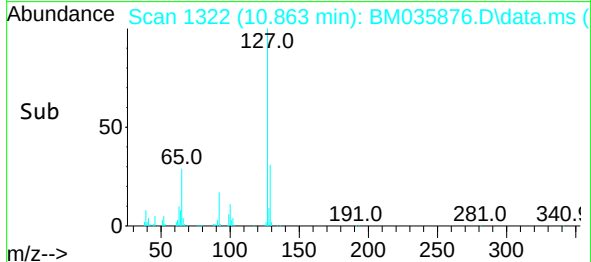
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:127 Resp: 170120
Ion Ratio Lower Upper
127 100
129 31.2 25.7 38.5
65 29.5 26.6 40.0
92 17.5 15.1 22.7

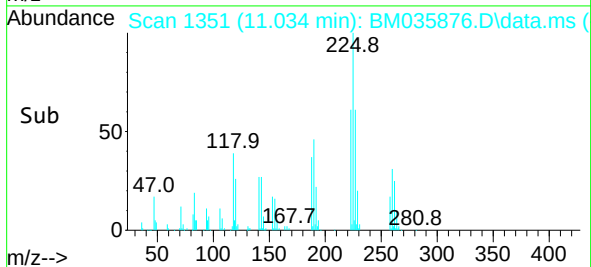
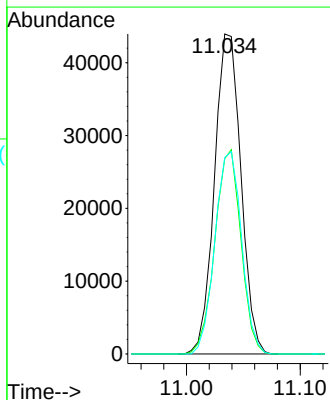
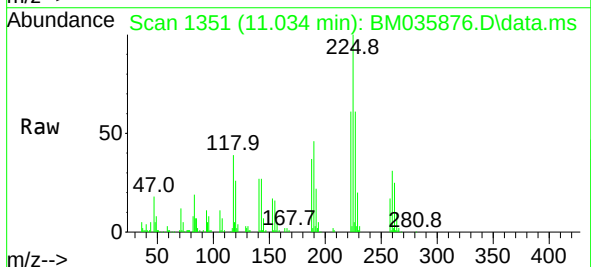
Manual Integrations
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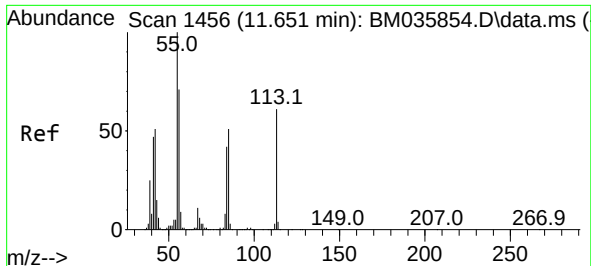
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#34
Hexachlorobutadiene
Concen: 7.646 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

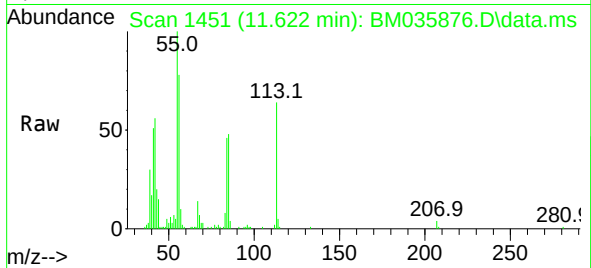
Tgt Ion:225 Resp: 71133
Ion Ratio Lower Upper
225 100
223 61.0 50.8 76.2
227 64.4 52.7 79.1





#35
Caprolactam
Concen: 6.197 ng
RT: 11.622 min Scan# 1456
Delta R.T. -0.029 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

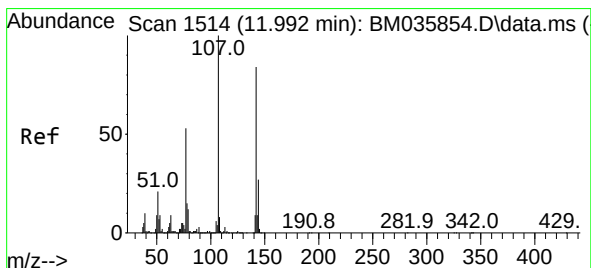
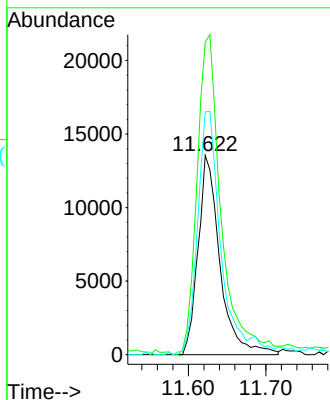
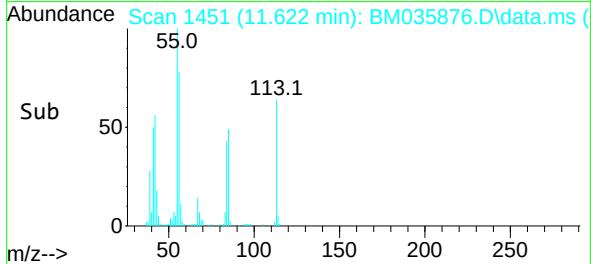
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



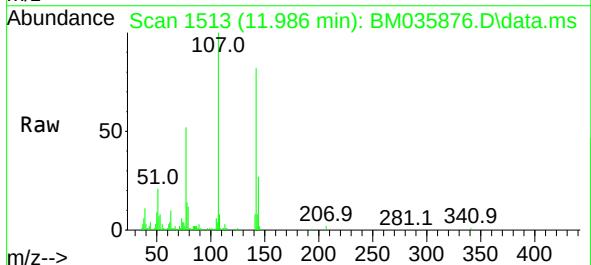
Tgt Ion:113 Resp: 2662
Ion Ratio Lower Upper
113 100
55 157.0 150.1 190.1
56 121.9 111.7 151.7

Manual Integrations
APPROVED

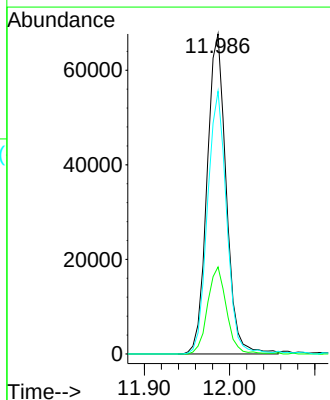
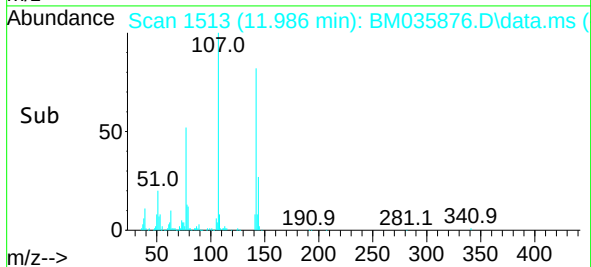
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

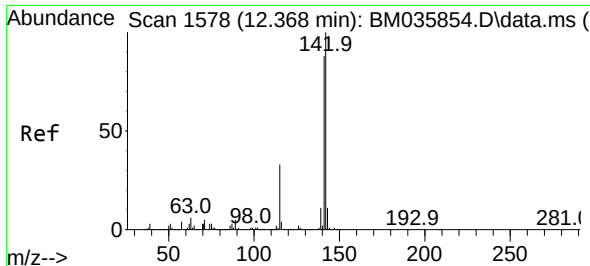


#36
4-Chloro-3-methylphenol
Concen: 7.339 ng
RT: 11.986 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



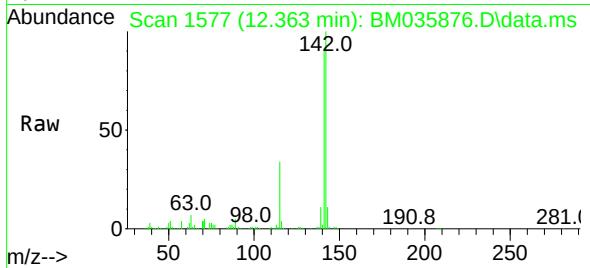
Tgt Ion:107 Resp: 105701
Ion Ratio Lower Upper
107 100
144 27.2 21.4 32.0
142 82.1 66.7 100.1





#37
2-Methylnaphthalene
Concen: 8.055 ng
RT: 12.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

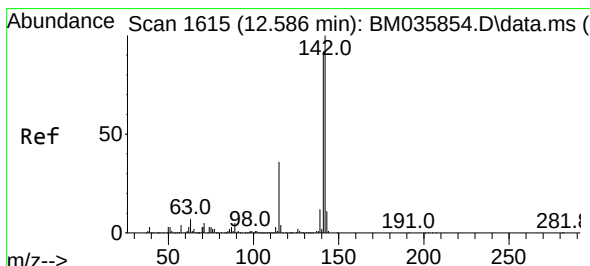
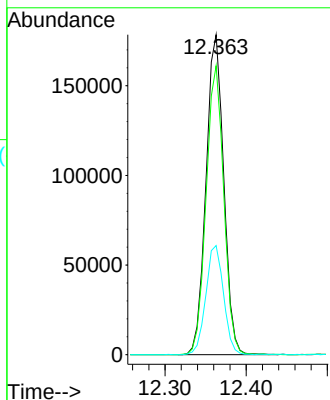
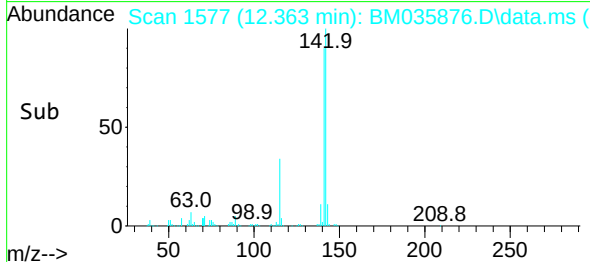
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:142 Resp: 27030
Ion Ratio Lower Upper
142 100
141 90.3 72.4 108.6
115 34.1 29.6 44.4

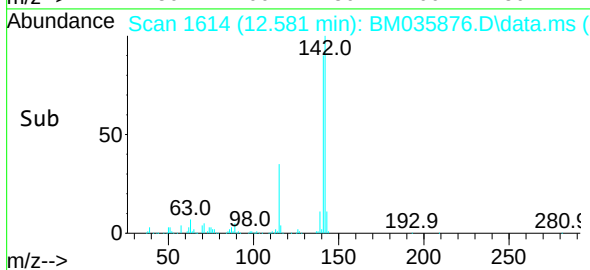
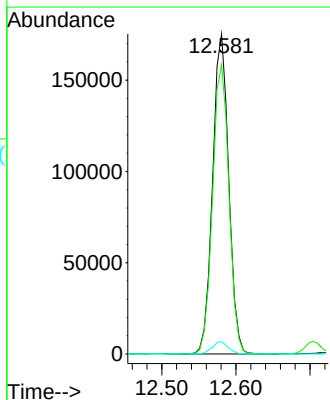
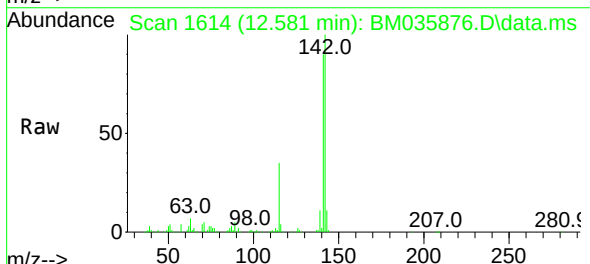
Manual Integrations
APPROVED

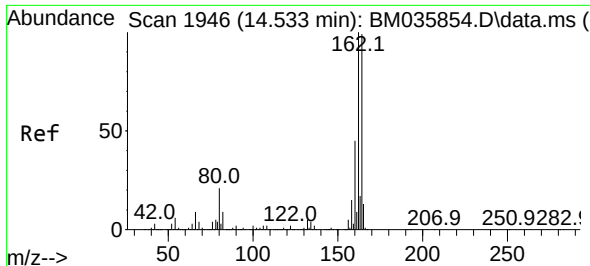
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#38
1-Methylnaphthalene
Concen: 8.069 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

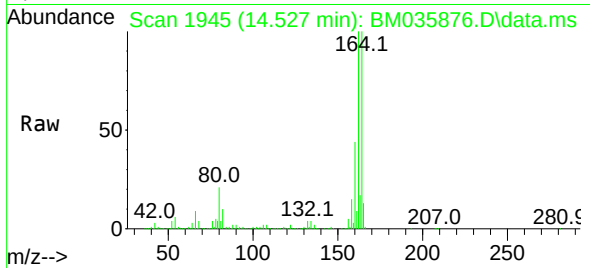
Tgt Ion:142 Resp: 263556
Ion Ratio Lower Upper
142 100
141 90.4 75.0 112.4
116 3.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

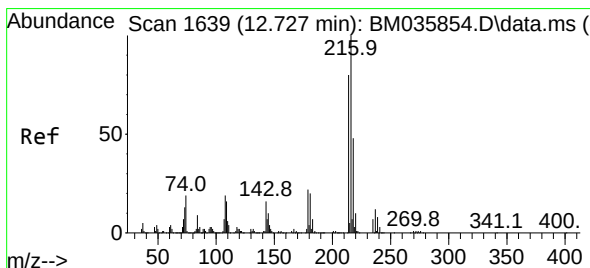
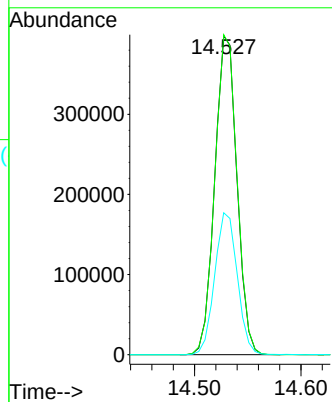
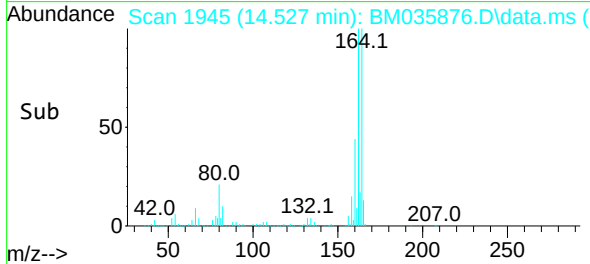
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



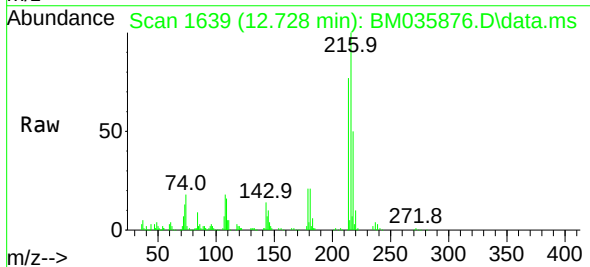
Tgt Ion:164 Resp: 574649
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 44.5 37.0 55.4

Manual Integrations
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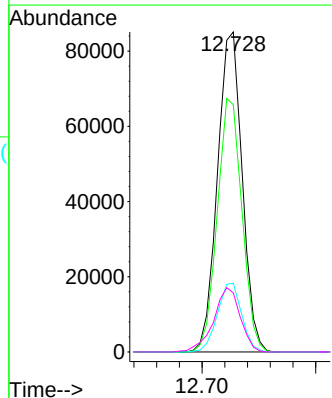
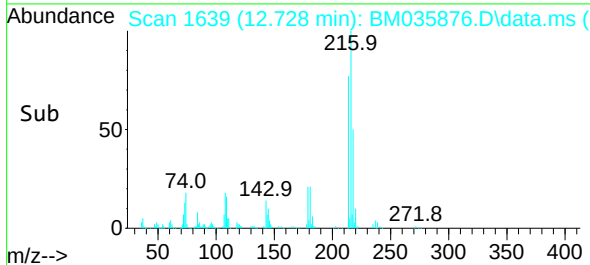
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

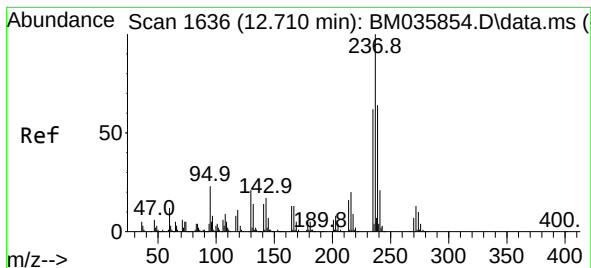


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.838 ng
RT: 12.728 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



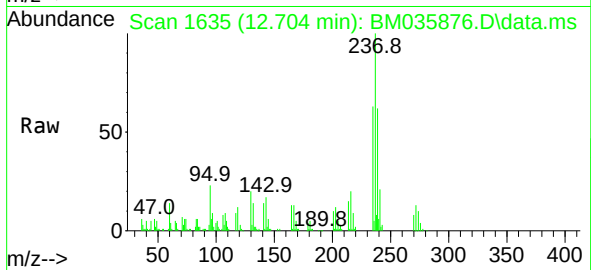
Tgt Ion:216 Resp: 128677
Ion Ratio Lower Upper
216 100
214 79.1 62.6 94.0
179 21.1 18.2 27.2
108 21.7 17.0 25.6





#41
Hexachlorocyclopentadiene
Concen: 8.411 ng
RT: 12.704 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

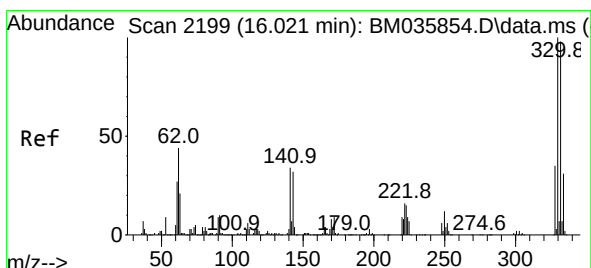
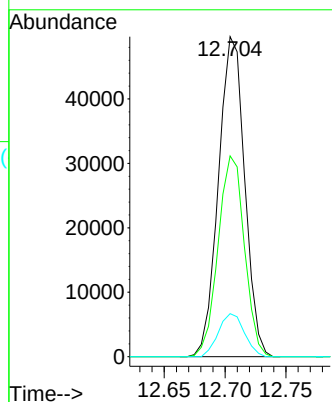
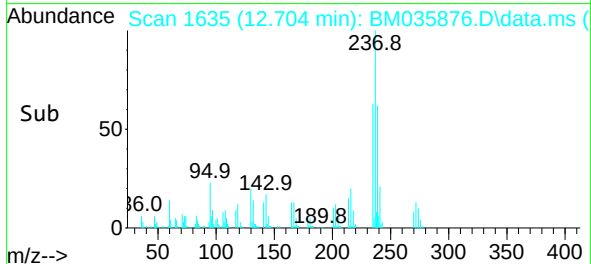
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



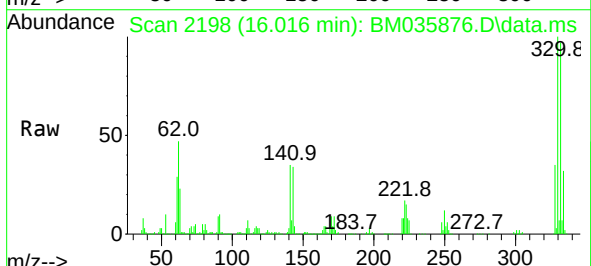
Tgt Ion: 237 Resp: 7443
Ion Ratio Lower Upper
237 100
235 62.7 43.8 83.8
272 13.4 0.0 32.5

Manual Integrations
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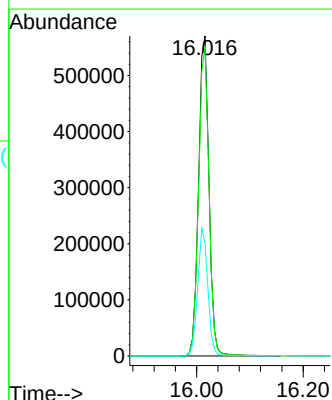
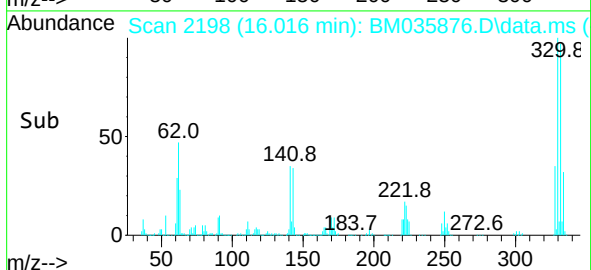
Reviewed By : Christian Giraldo 07/21/2022
Supervised By : Jagrut Upadhyay 07/21/2022

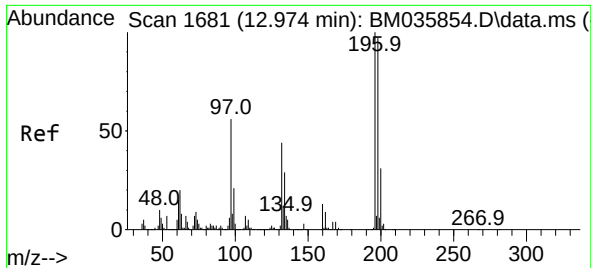


#42
2,4,6-Tribromophenol
Concen: 120.720 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



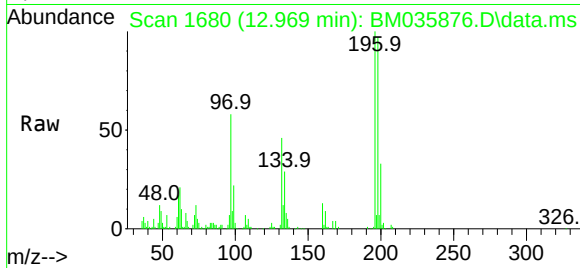
Tgt Ion: 330 Resp: 775960
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 39.0 35.3 52.9





#43
2,4,6-Trichlorophenol
Concen: 6.608 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

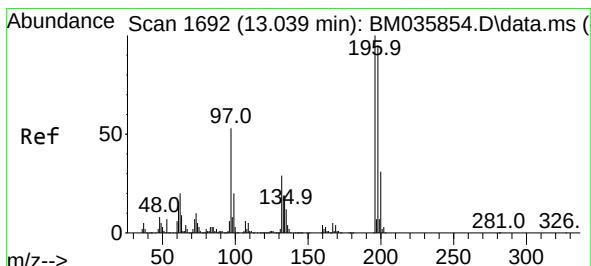
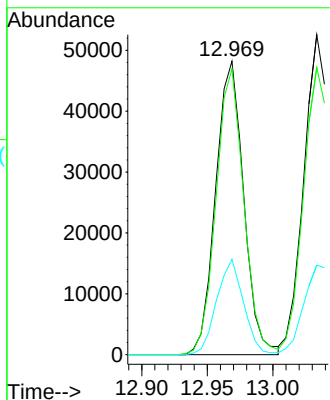
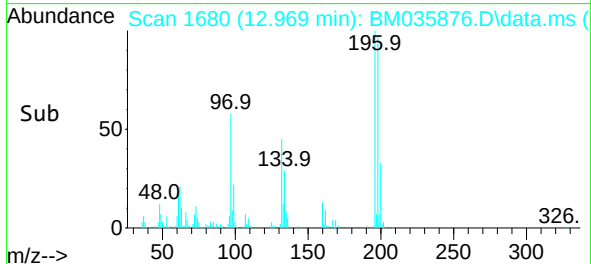
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



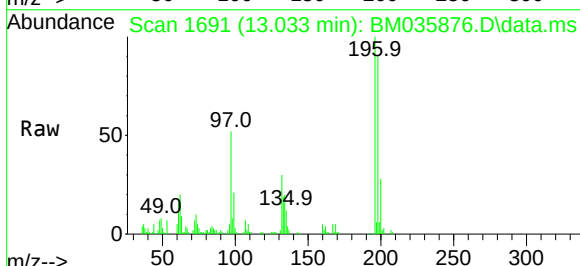
Tgt Ion:196 Resp: 71710
Ion Ratio Lower Upper
196 100
198 97.4 75.8 113.6
200 32.5 24.9 37.3

Manual Integrations
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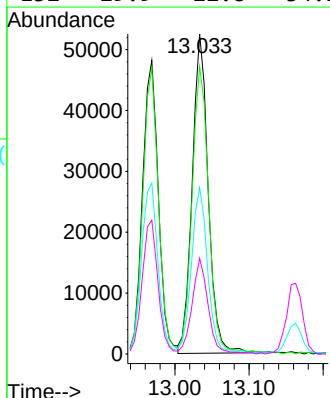
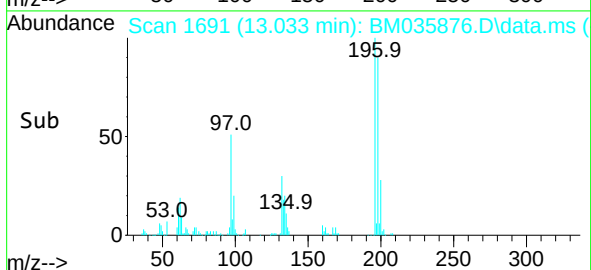
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

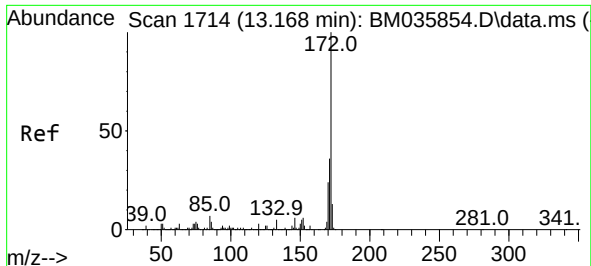


#44
2,4,5-Trichlorophenol
Concen: 6.854 ng
RT: 13.033 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



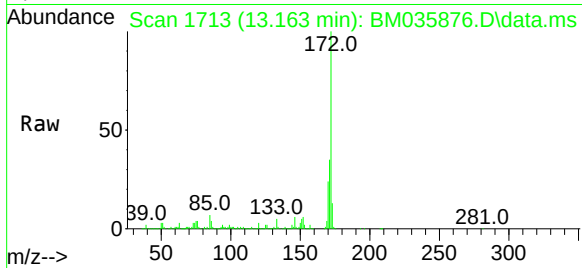
Tgt Ion:196 Resp: 78429
Ion Ratio Lower Upper
196 100
198 89.8 77.8 116.6
97 51.9 43.4 65.2
132 29.9 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 92.801 ng
RT: 13.163 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

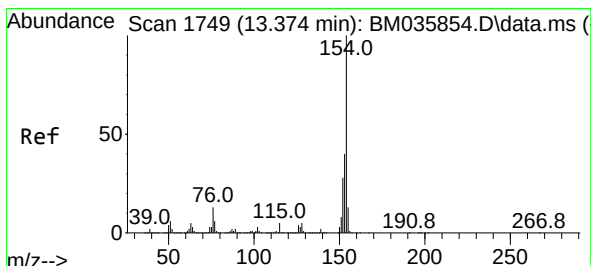
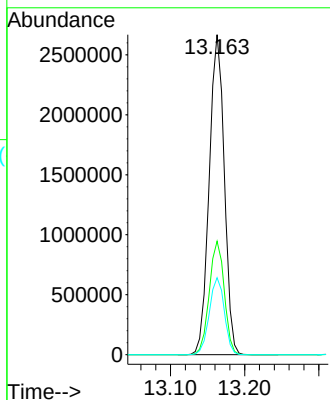
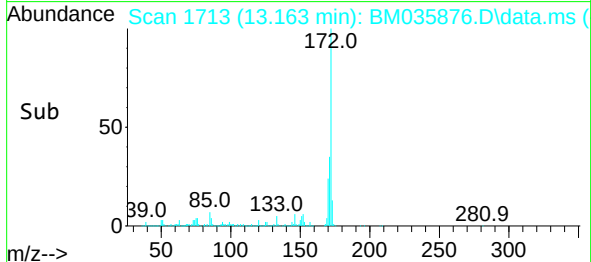
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



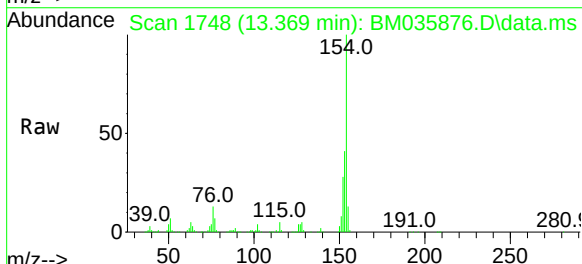
Tgt Ion:172 Resp: 377274
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 24.0 18.7 28.1

Manual Integrations
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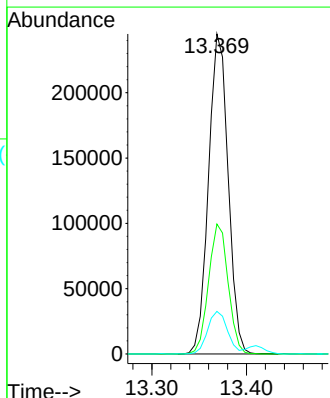
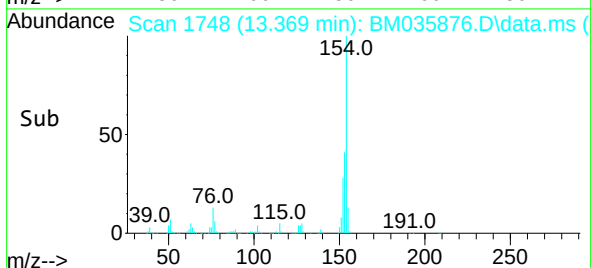
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

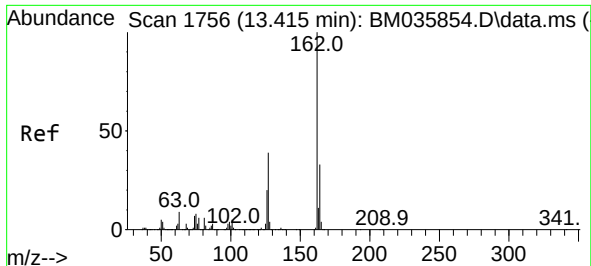


#46
1,1'-Biphenyl
Concen: 8.068 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



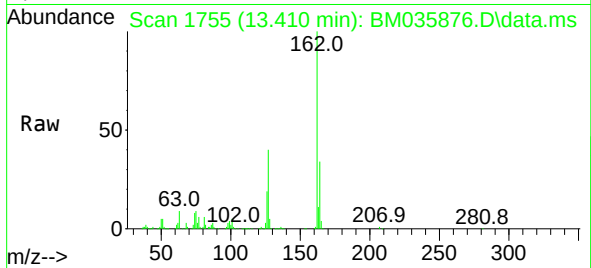
Tgt Ion:154 Resp: 352691
Ion Ratio Lower Upper
154 100
153 40.6 20.5 60.5
76 13.3 0.0 31.8





#47
2-Chloronaphthalene
Concen: 7.936 ng
RT: 13.410 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

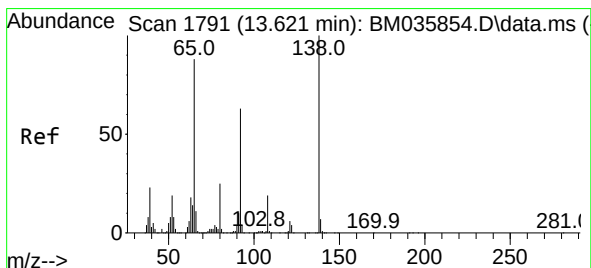
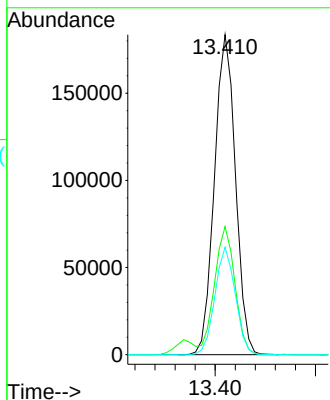
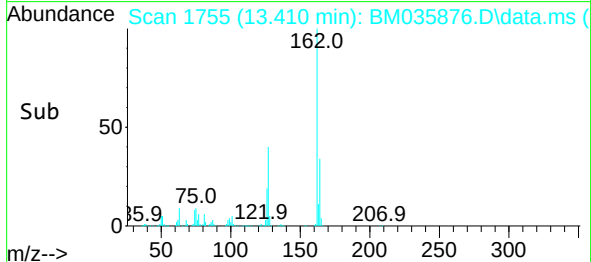
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 266654
Ion Ratio Lower Upper
162 100
127 40.1 30.6 45.8
164 33.6 26.6 39.8

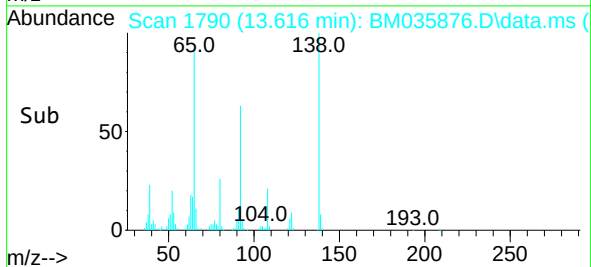
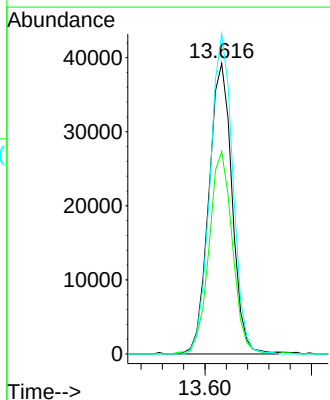
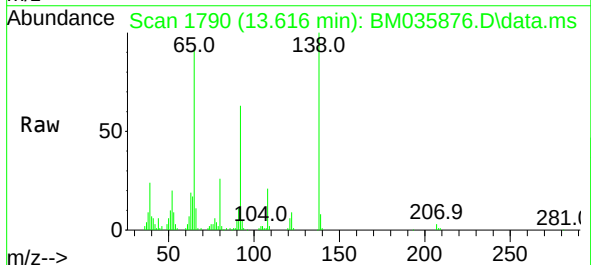
Manual Integrations
APPROVED

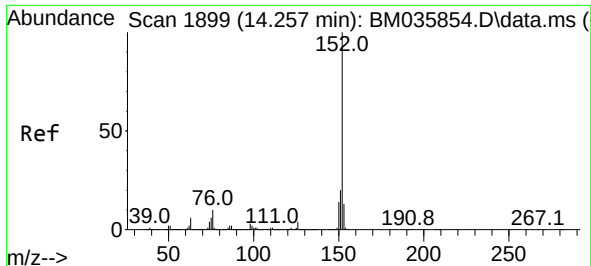
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#48
2-Nitroaniline
Concen: 6.408 ng
RT: 13.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

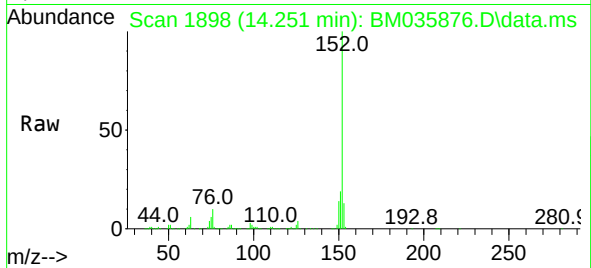
Tgt Ion: 65 Resp: 59328
Ion Ratio Lower Upper
65 100
92 69.6 53.7 80.5
138 110.1 83.9 125.9





#49
Acenaphthylene
Concen: 8.268 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

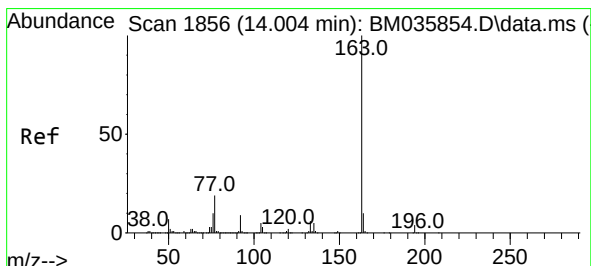
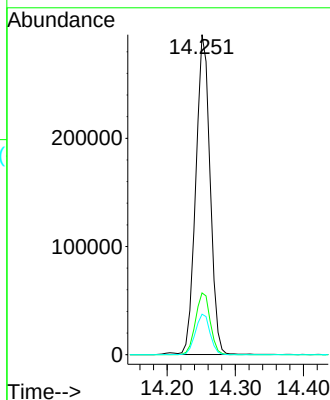
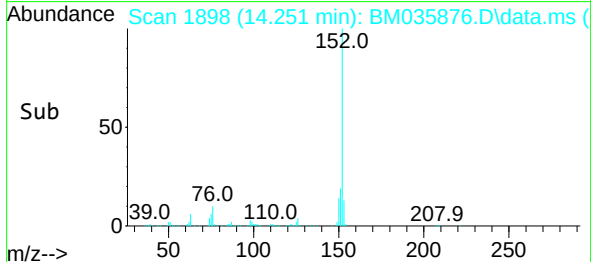
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



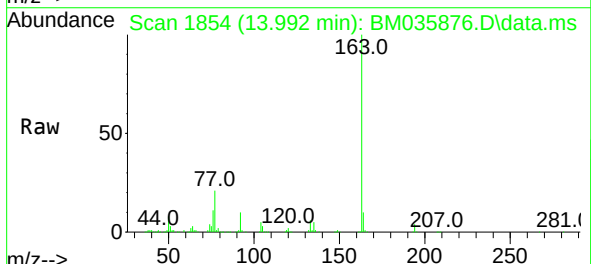
Tgt Ion:152 Resp: 42773
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.2
153 12.6 10.5 15.7

Manual Integrations
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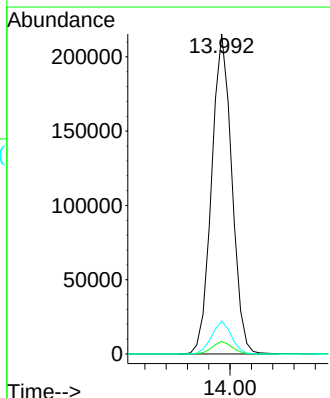
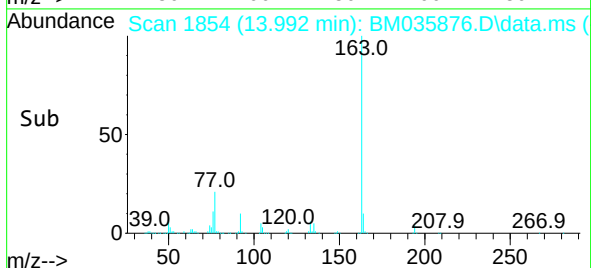
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

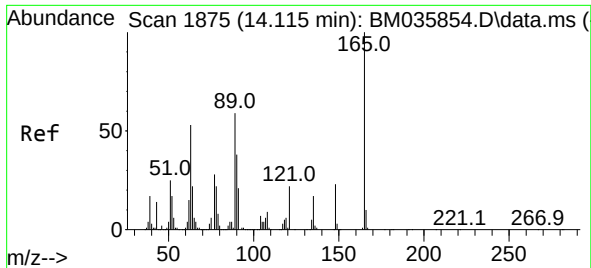


#50
Dimethylphthalate
Concen: 7.496 ng
RT: 13.992 min Scan# 1854
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



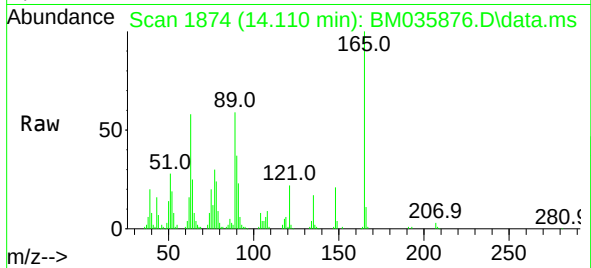
Tgt Ion:163 Resp: 283545
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 10.2 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 7.018 ng
RT: 14.110 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

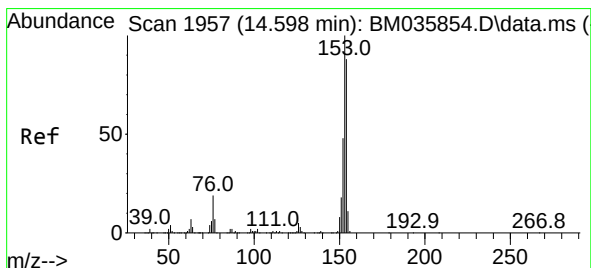
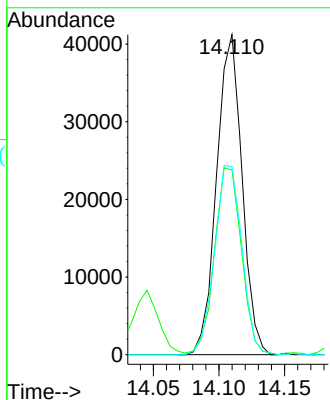
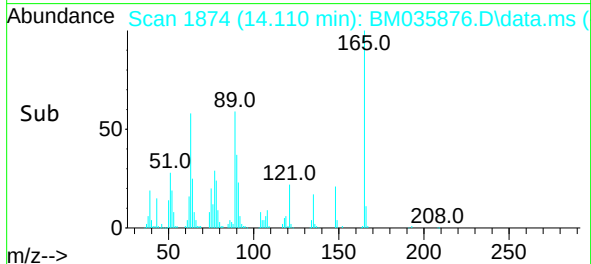
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:165 Resp: 55504
Ion Ratio Lower Upper
165 100
63 57.7 50.2 75.2
89 58.7 48.4 72.6

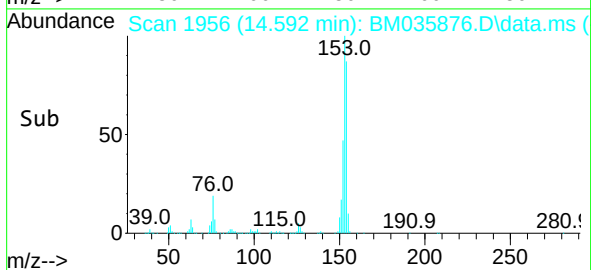
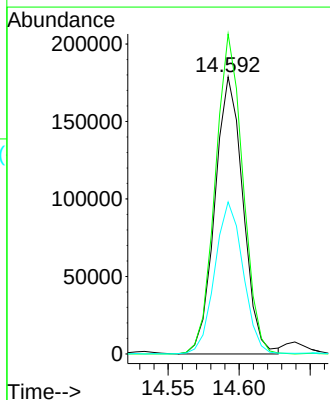
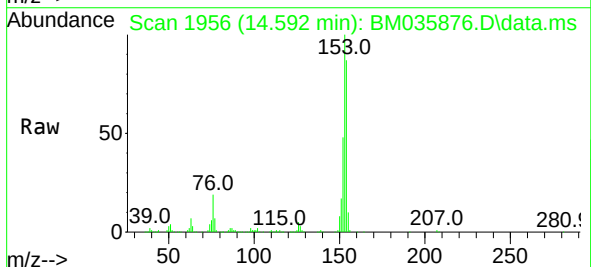
Manual Integrations
APPROVED

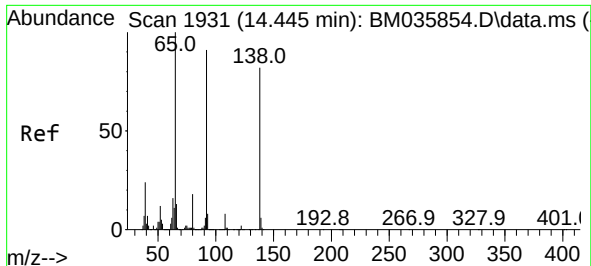
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#52
Acenaphthene
Concen: 7.964 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

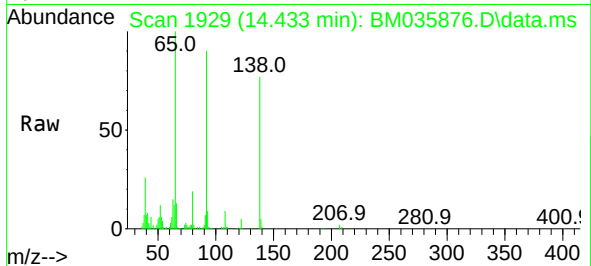
Tgt Ion:154 Resp: 246833
Ion Ratio Lower Upper
154 100
153 115.5 91.0 136.6
152 54.9 43.4 65.2





#53
3-Nitroaniline
Concen: 6.814 ng
RT: 14.433 min Scan# 1929
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

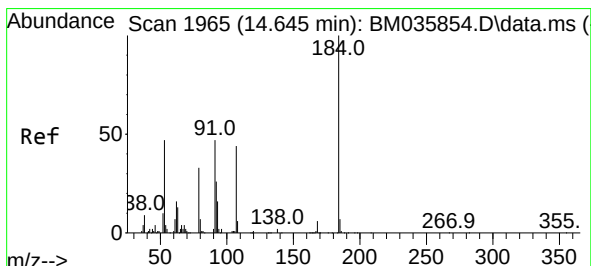
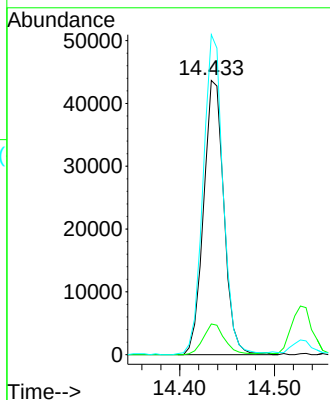
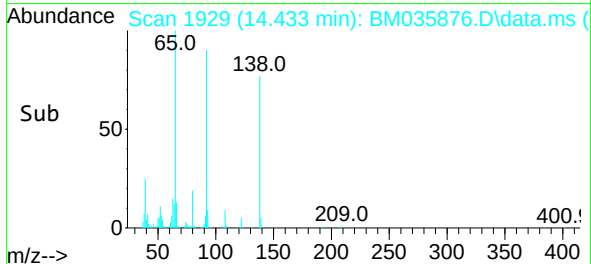
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:138 Resp: 64884
Ion Ratio Lower Upper
138 100
108 11.2 8.7 13.1
92 116.7 91.5 137.3

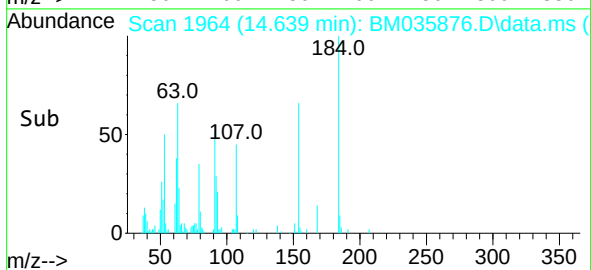
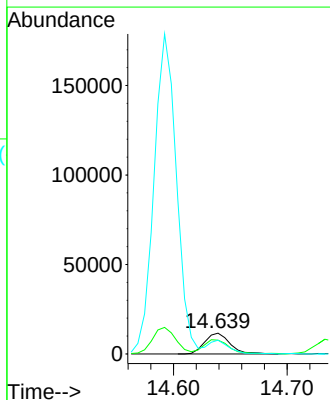
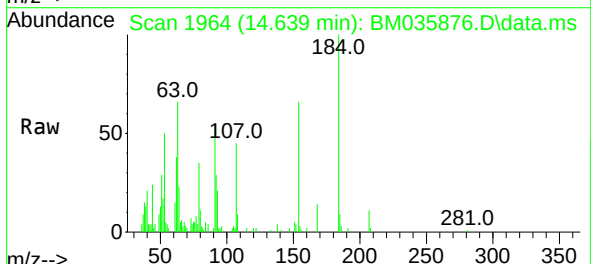
Manual Integrations
APPROVED

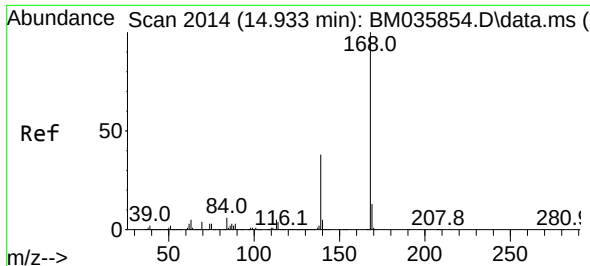
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#54
2,4-Dinitrophenol
Concen: 4.585 ng
RT: 14.639 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

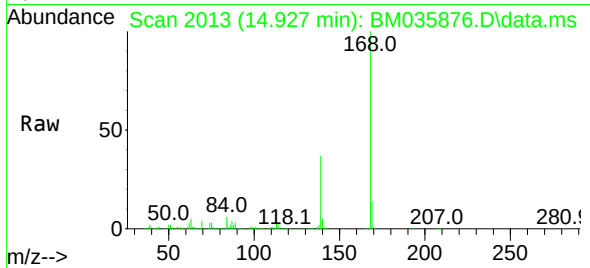
Tgt Ion:184 Resp: 17871
Ion Ratio Lower Upper
184 100
63 66.4 59.5 89.3
154 66.4 55.6 83.4





#55
Dibenzenofuran
Concen: 7.861 ng
RT: 14.927 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

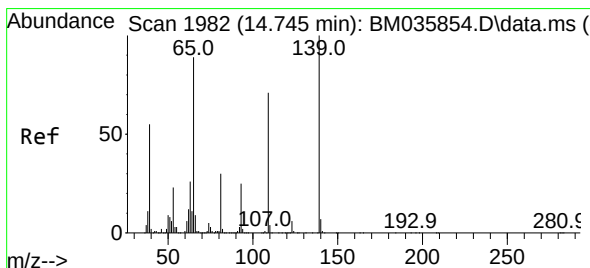
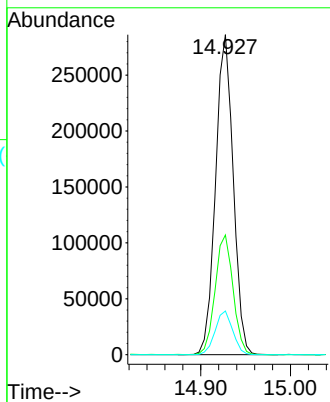
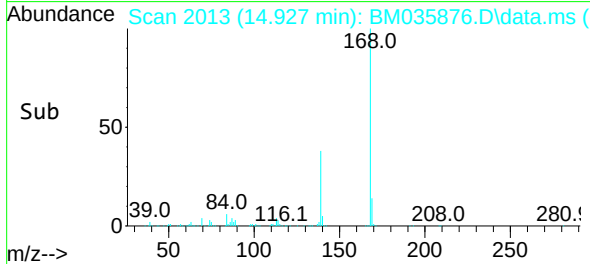
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



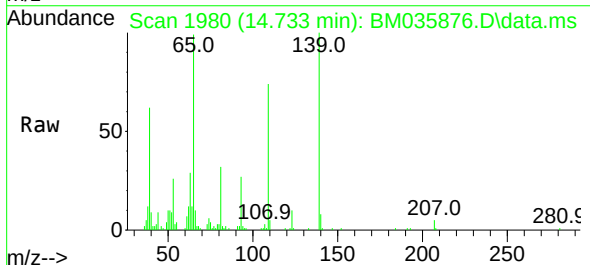
Tgt Ion:168 Resp: 390349
Ion Ratio Lower Upper
168 100
139 37.4 32.2 48.2
169 13.6 10.6 16.0

Manual Integrations
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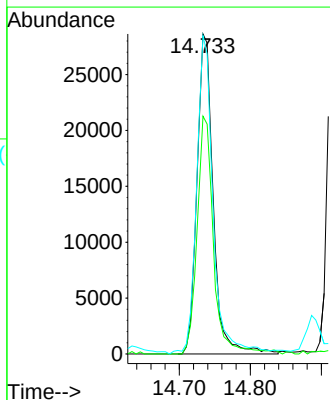
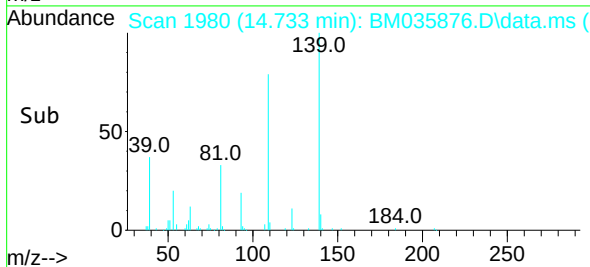
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

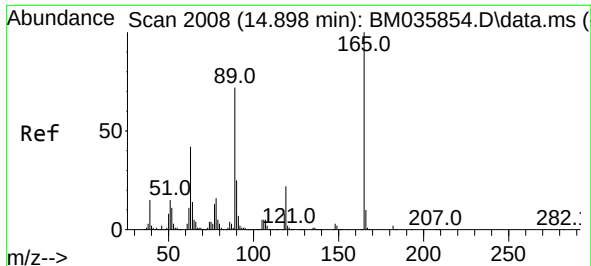


#56
4-Nitrophenol
Concen: 6.110 ng
RT: 14.733 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



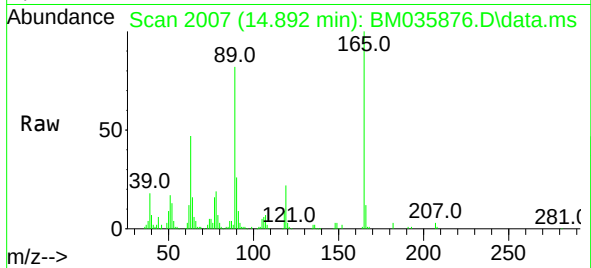
Tgt Ion:139 Resp: 45650
Ion Ratio Lower Upper
139 100
109 74.3 62.5 102.5
65 99.4 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 6.348 ng
RT: 14.892 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

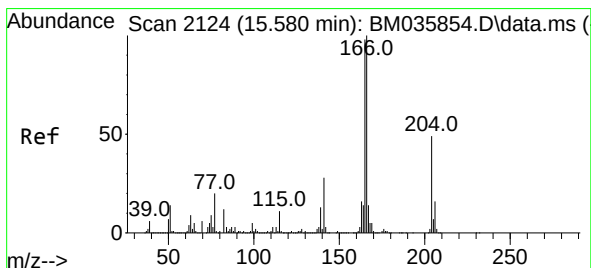
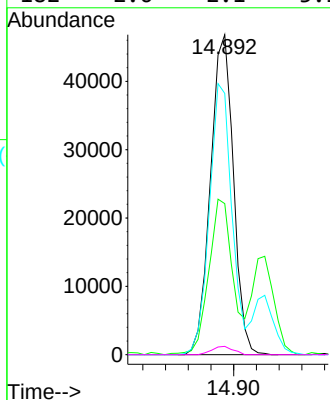
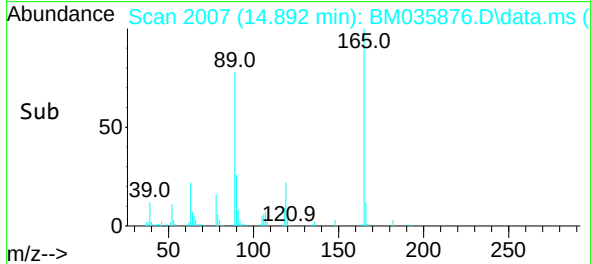
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:165 Resp: 6570
Ion Ratio Lower Upper
165 100
63 47.2 35.6 53.4
89 81.7 57.3 85.9
182 2.6 2.1 3.1

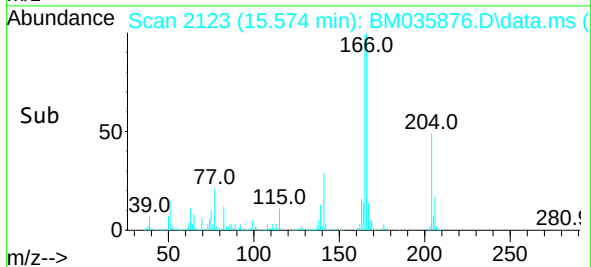
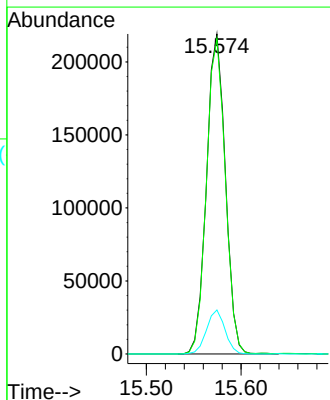
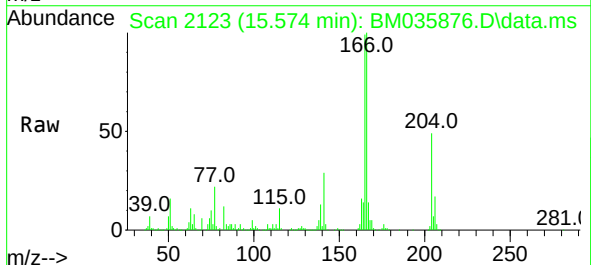
Manual Integrations
APPROVED

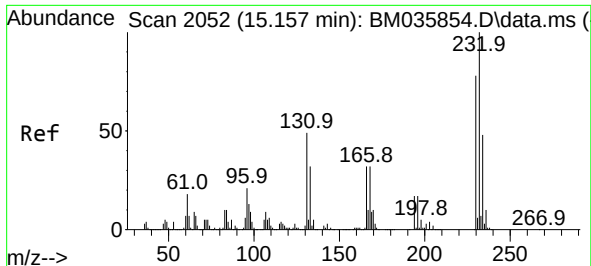
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#58
Fluorene
Concen: 7.763 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

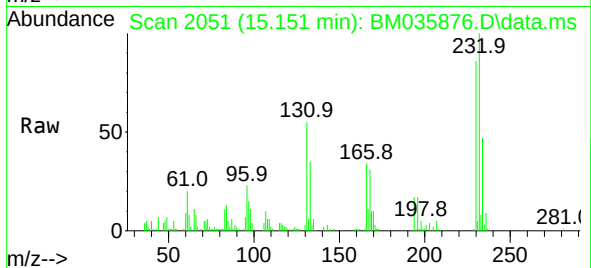
Tgt Ion:166 Resp: 302637
Ion Ratio Lower Upper
166 100
165 98.6 79.4 119.2
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.326 ng
RT: 15.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

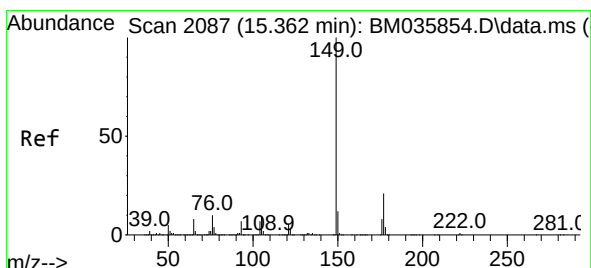
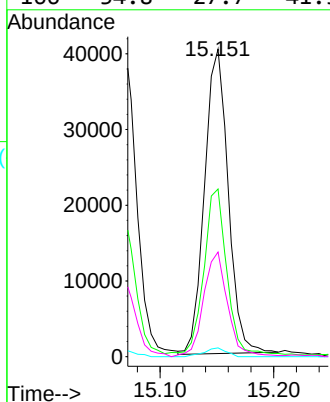
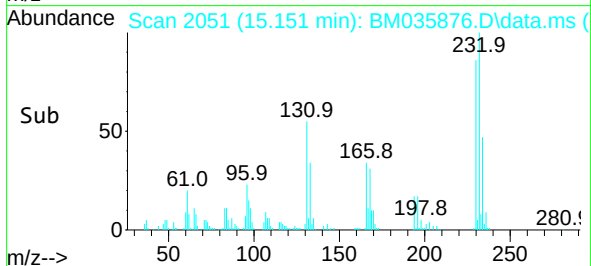
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



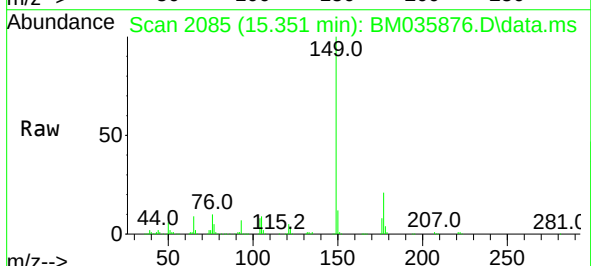
Tgt Ion:232 Resp: 5818
Ion Ratio Lower Upper
232 100
131 53.2 41.0 61.6
130 2.7 2.3 3.5
166 34.8 27.7 41.5

Manual Integrations
APPROVED

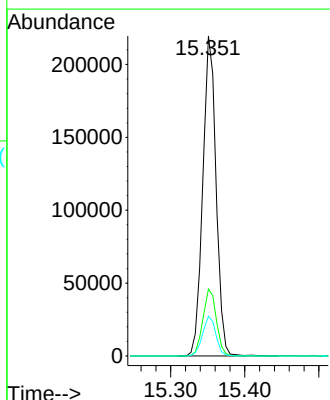
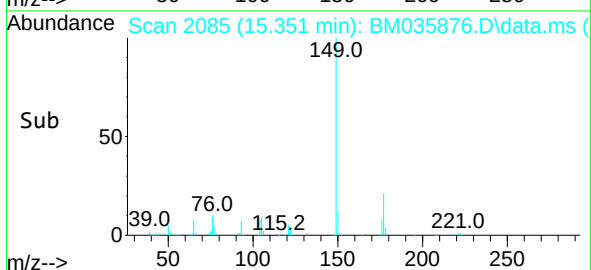
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

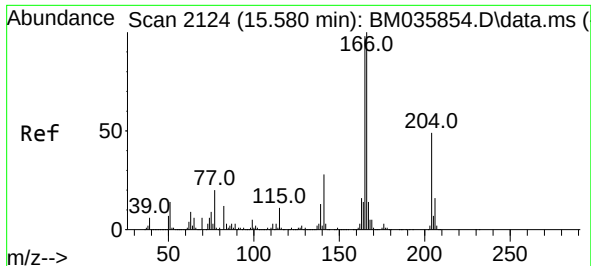


#60
Diethylphthalate
Concen: 7.306 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



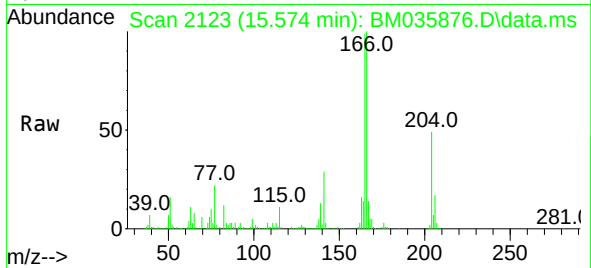
Tgt Ion:149 Resp: 273826
Ion Ratio Lower Upper
149 100
177 20.9 16.9 25.3
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 7.623 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

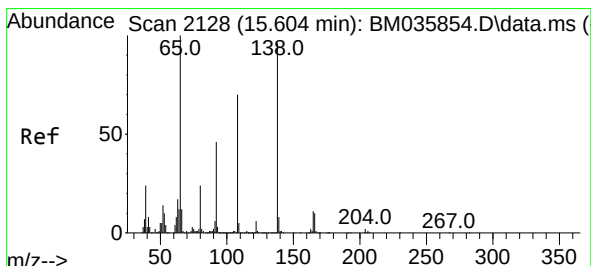
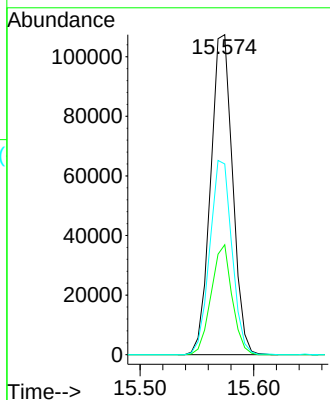
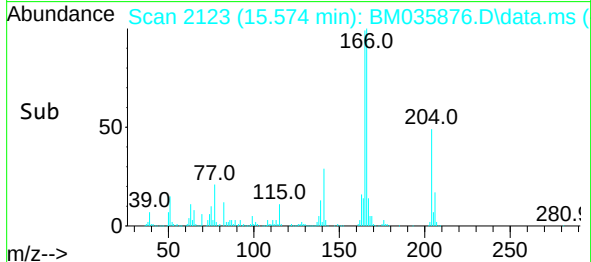
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



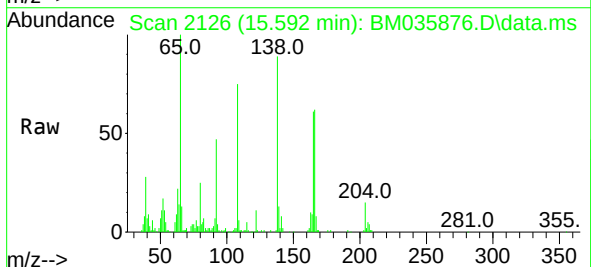
Tgt Ion:204 Resp: 144609
Ion Ratio Lower Upper
204 100
206 34.4 26.3 39.5
141 59.6 51.2 76.8

Manual Integrations
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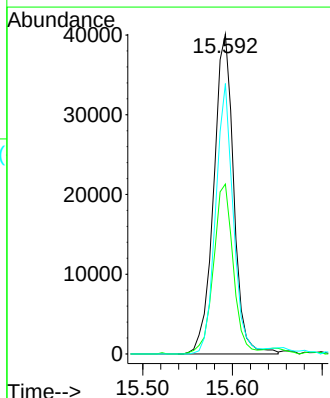
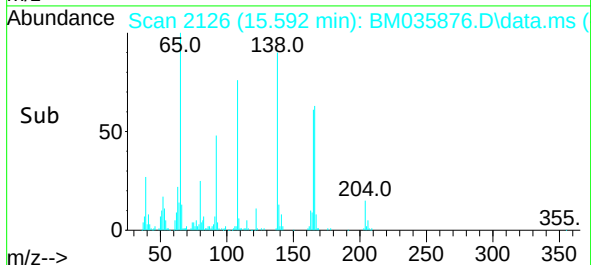
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

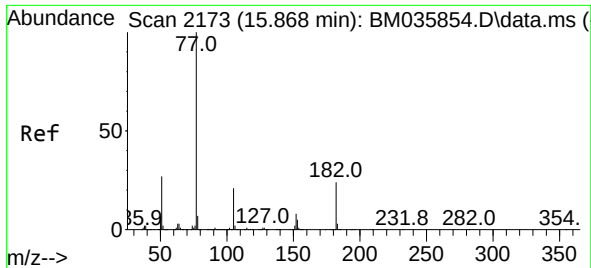


#62
4-Nitroaniline
Concen: 6.376 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



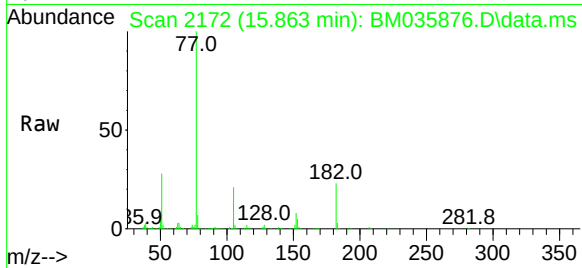
Tgt Ion:138 Resp: 62171
Ion Ratio Lower Upper
138 100
92 53.1 30.8 70.8
108 84.5 65.7 105.7





#63
Azobenzene
Concen: 7.366 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

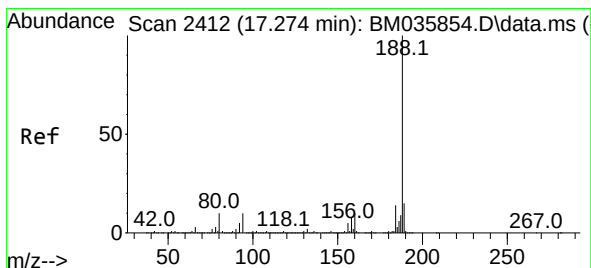
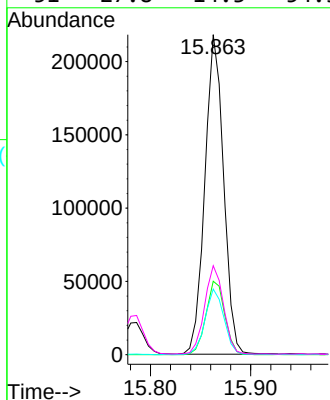
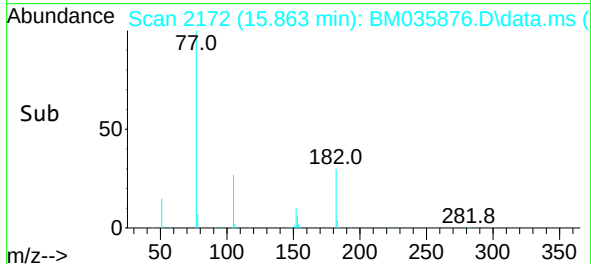
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



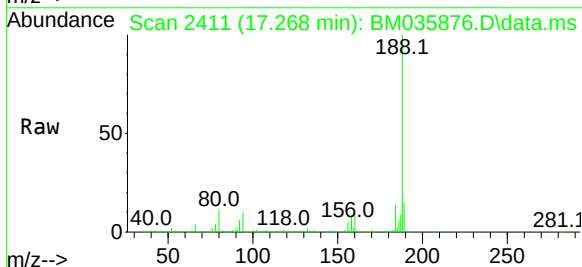
Tgt Ion: 77 Resp: 283474
Ion Ratio Lower Upper
77 100
182 23.0 4.9 44.9
105 20.5 0.0 39.6
51 27.8 14.3 54.3

Manual Integrations
APPROVED

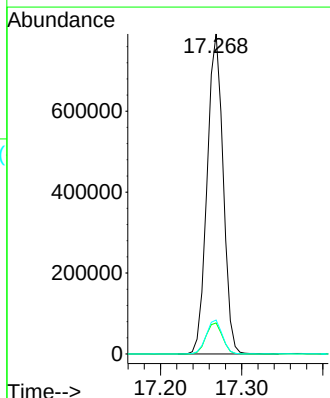
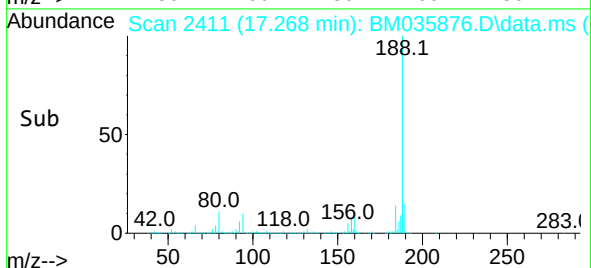
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

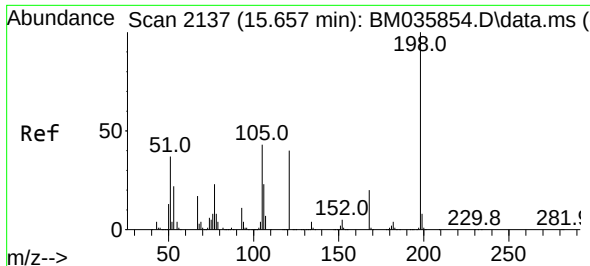


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



Tgt Ion:188 Resp: 1082706
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.6 7.6 11.4





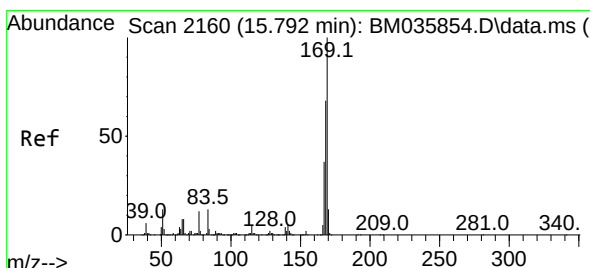
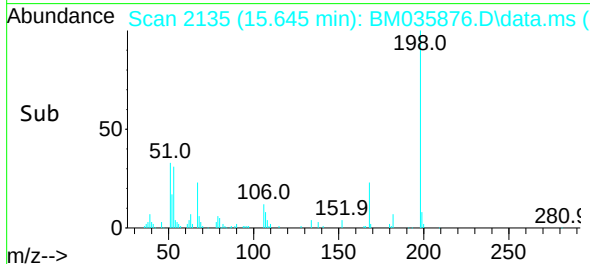
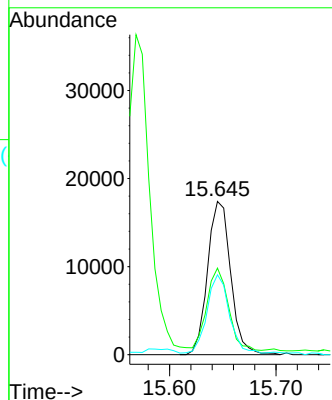
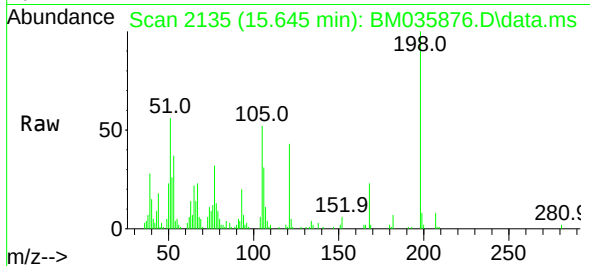
#65
4,6-Dinitro-2-methylphenol
Concen: 4.826 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:198 Resp: 2623
Ion Ratio Lower Upper
198 100
51 56.4 29.0 69.0
105 52.1 22.1 62.1

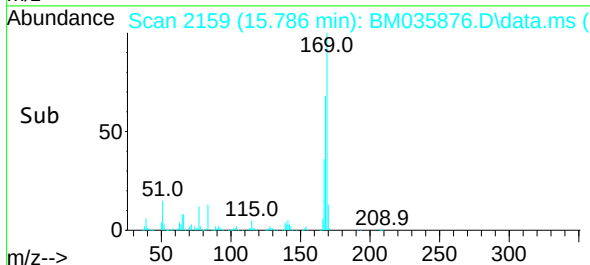
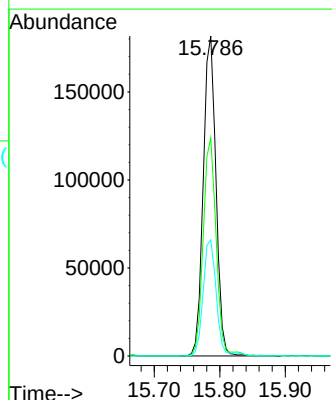
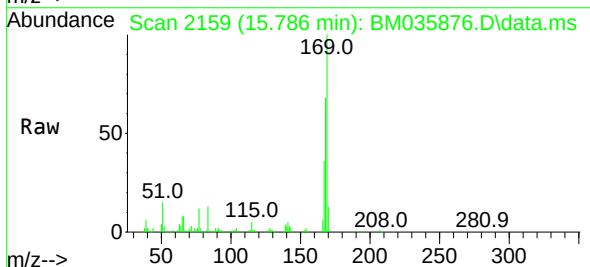
Manual Integrations
APPROVED

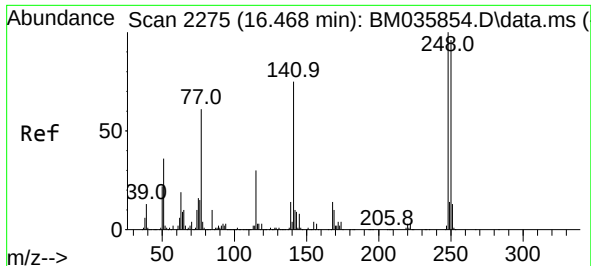
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#66
n-Nitrosodiphenylamine
Concen: 7.727 ng
RT: 15.786 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

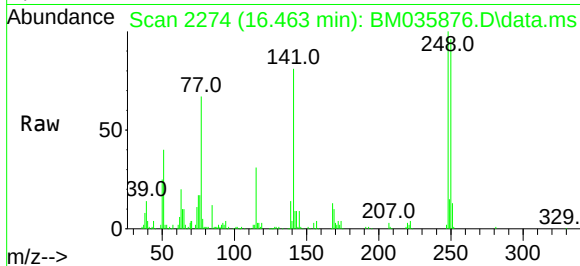
Tgt Ion:169 Resp: 245648
Ion Ratio Lower Upper
169 100
168 68.1 54.3 81.5
167 36.3 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 7.417 ng
RT: 16.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

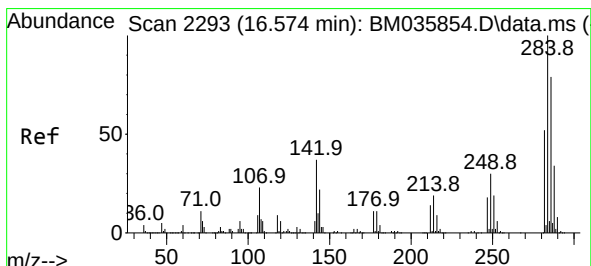
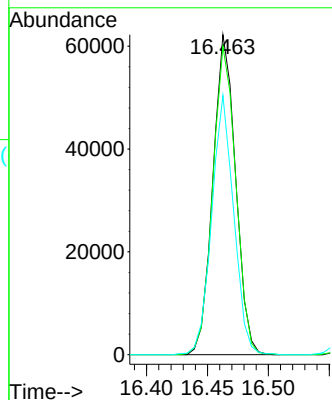
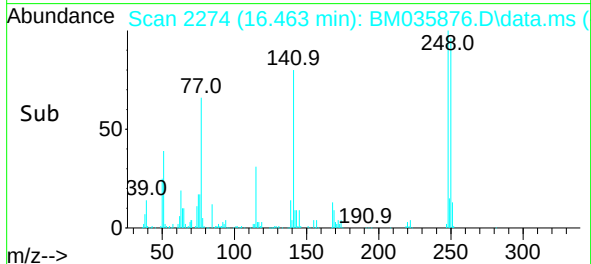
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



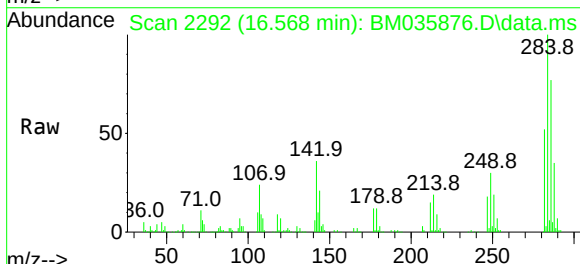
Tgt Ion:248 Resp: 8073
Ion Ratio Lower Upper
248 100
250 96.3 78.0 117.0
141 81.0 66.0 99.0

Manual Integrations
APPROVED

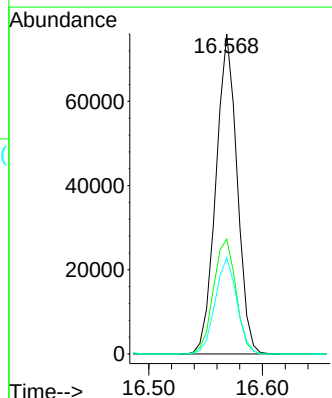
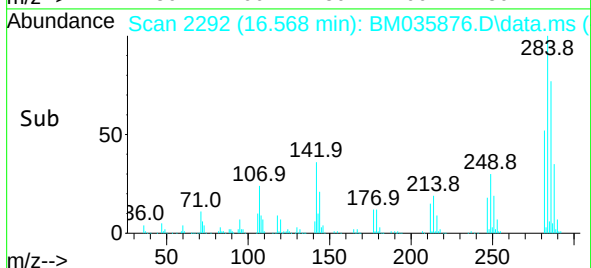
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

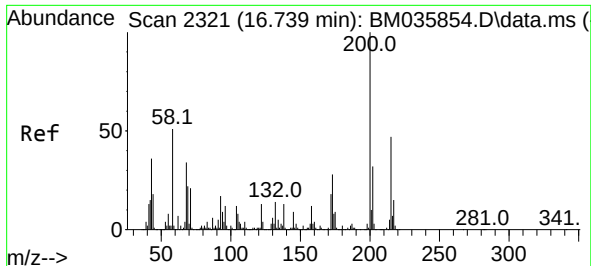


#68
Hexachlorobenzene
Concen: 7.805 ng
RT: 16.568 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



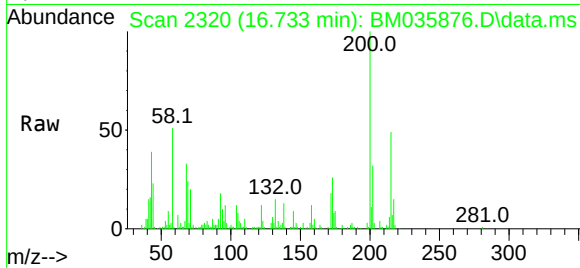
Tgt Ion:284 Resp: 98620
Ion Ratio Lower Upper
284 100
142 35.9 33.6 50.4
249 30.1 26.2 39.2





#69
 Atrazine
 Concen: 8.188 ng
 RT: 16.733 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20

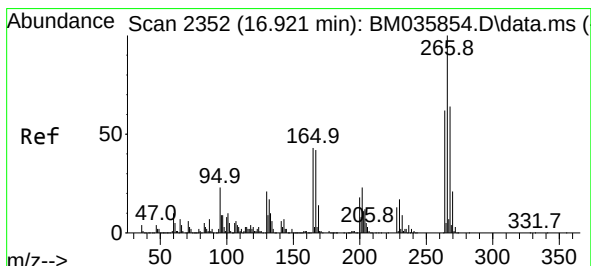
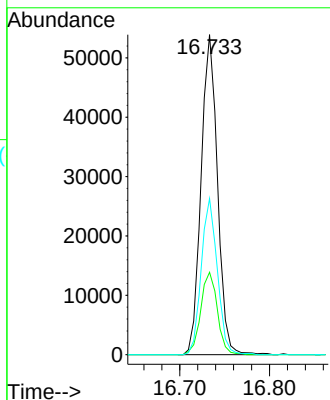
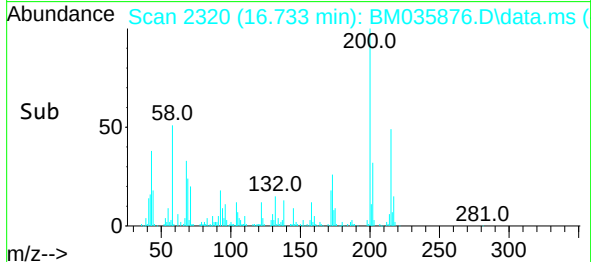
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



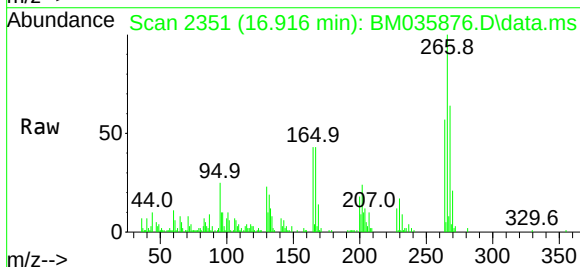
Tgt Ion:200 Resp: 68404
 Ion Ratio Lower Upper
 200 100
 173 25.8 6.6 46.6
 215 48.8 26.2 66.2

Manual Integrations
 APPROVED

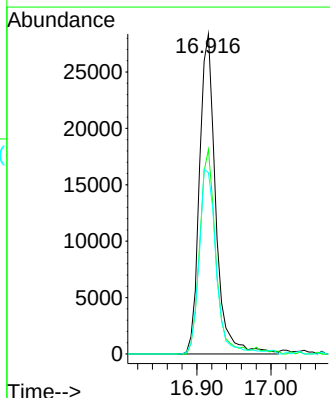
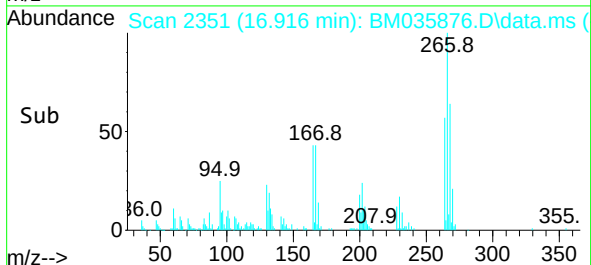
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

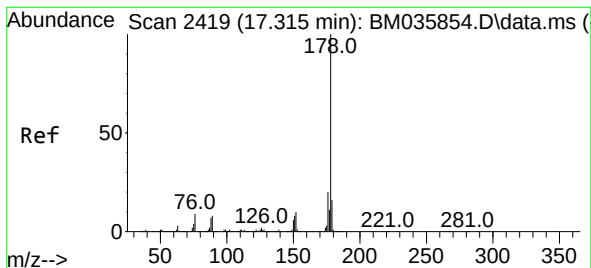


#70
 Pentachlorophenol
 Concen: 6.159 ng
 RT: 16.916 min Scan# 2351
 Delta R.T. -0.006 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20



Tgt Ion:266 Resp: 43184
 Ion Ratio Lower Upper
 266 100
 268 63.9 51.9 77.9
 264 61.2 50.6 76.0





#71

Phenanthrene

Concen: 8.063 ng

RT: 17.310 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:178 Resp: 45924

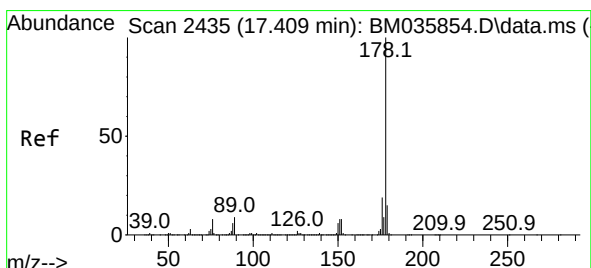
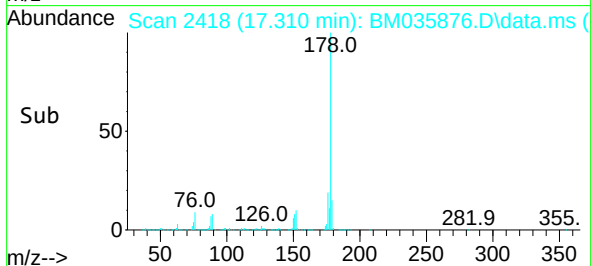
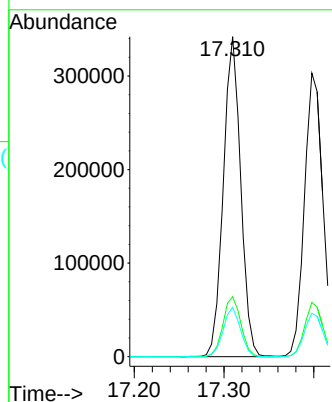
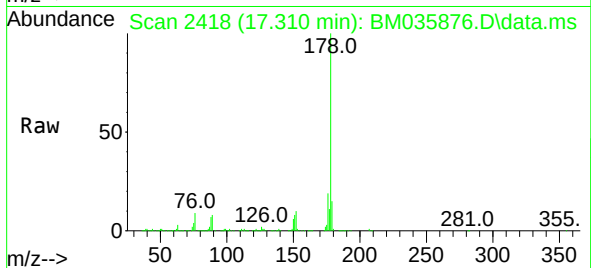
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.5	12.4	18.6

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#72

Anthracene

Concen: 7.896 ng

RT: 17.398 min Scan# 2433

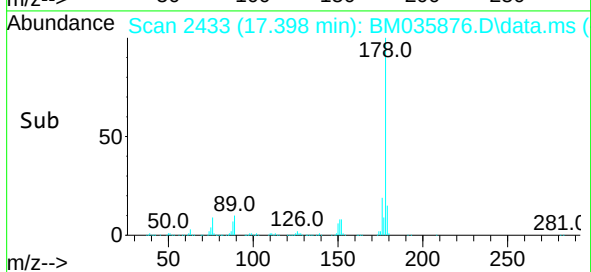
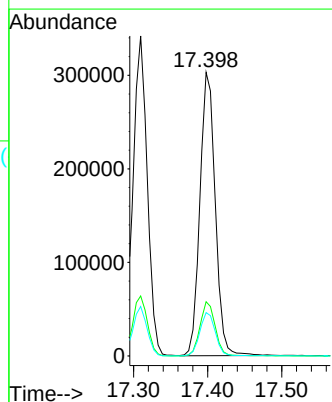
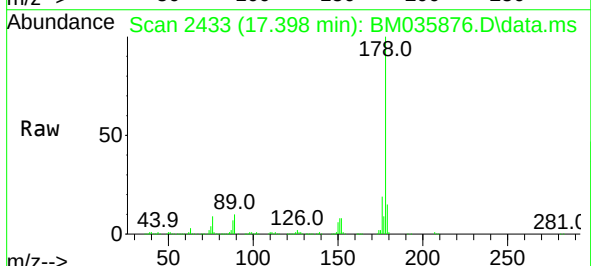
Delta R.T. -0.011 min

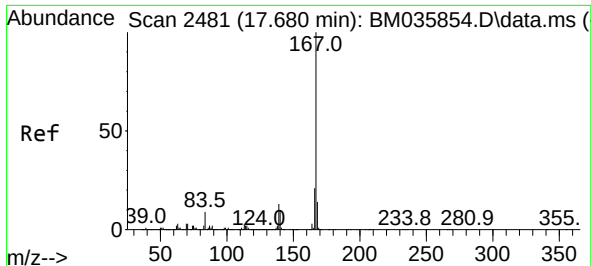
Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

Tgt Ion:178 Resp: 437157

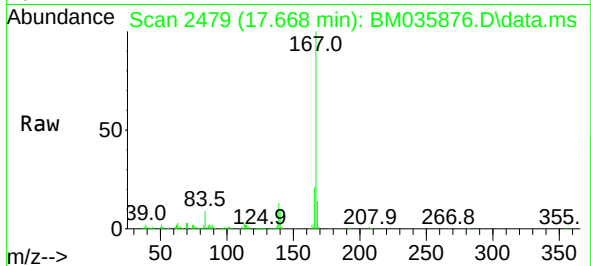
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.3	12.2	18.2





#73
 Carbazole
 Concen: 7.316 ng
 RT: 17.668 min Scan# 2481
 Delta R.T. -0.012 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20

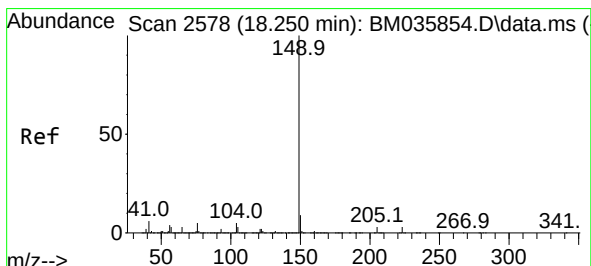
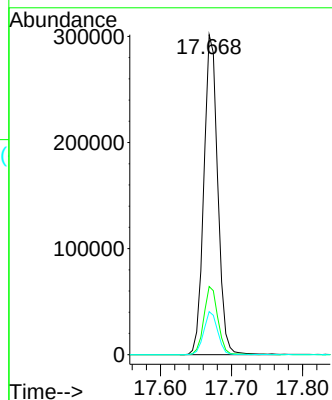
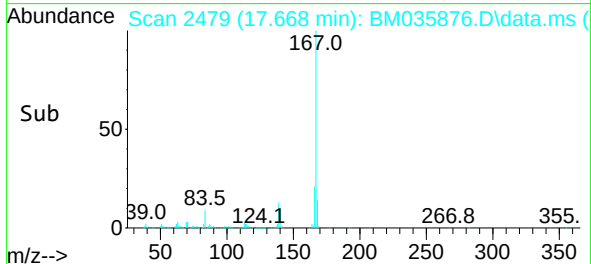
Instrument : BNA_M
 ClientSampleId : MDL-SOIL-03-QT2-2022



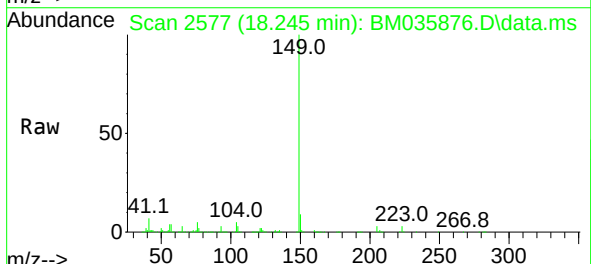
Tgt Ion:167 Resp: 410840
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.8 26.8
 139 13.4 10.9 16.3

Manual Integrations
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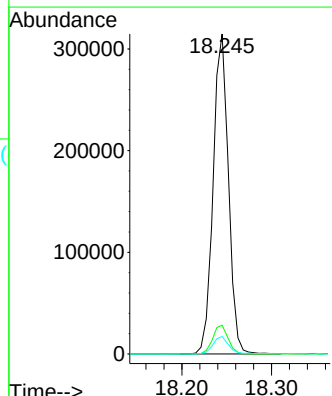
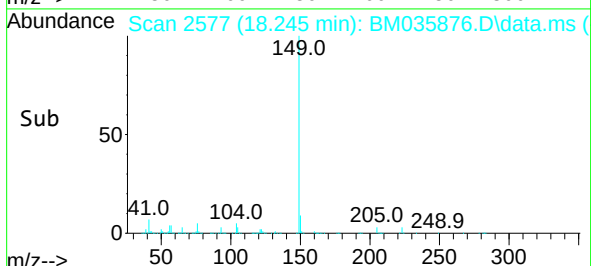
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

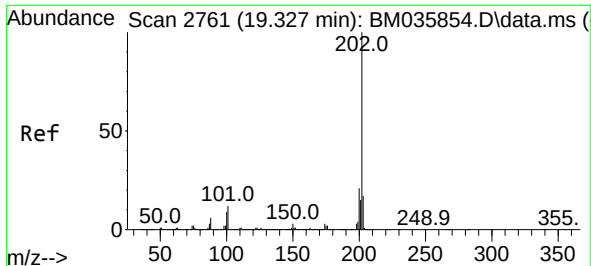


#74
 Di-n-butylphthalate
 Concen: 6.510 ng
 RT: 18.245 min Scan# 2577
 Delta R.T. -0.006 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20



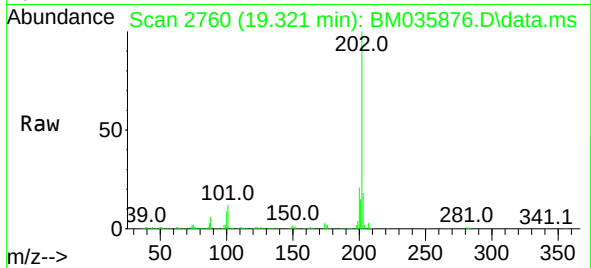
Tgt Ion:149 Resp: 372220
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 5.5 4.3 6.5





#75
Fluoranthene
Concen: 7.465 ng
RT: 19.321 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

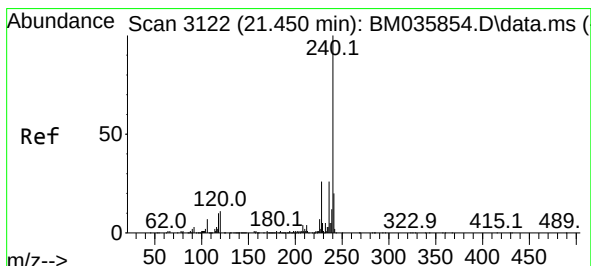
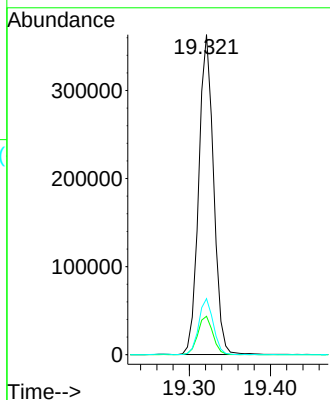
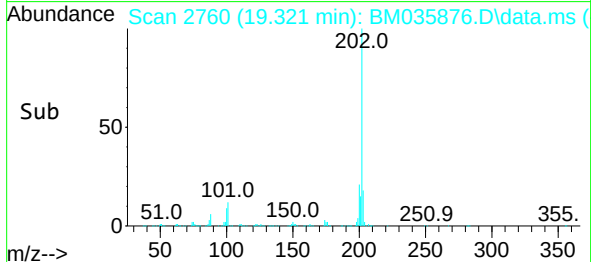
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



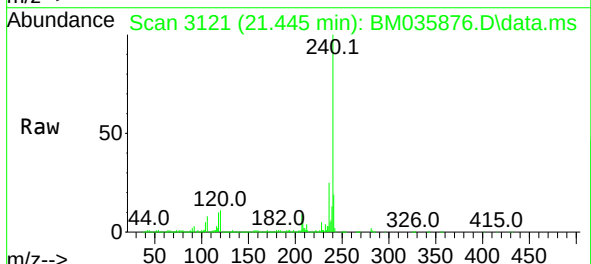
Tgt Ion:202 Resp: 46216
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.6
203 17.5 0.0 37.4

Manual Integrations
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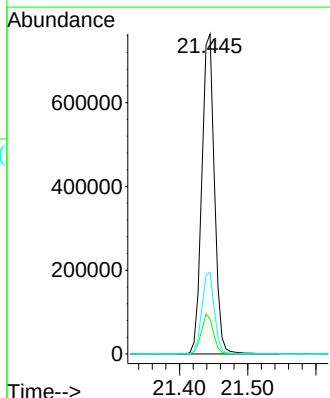
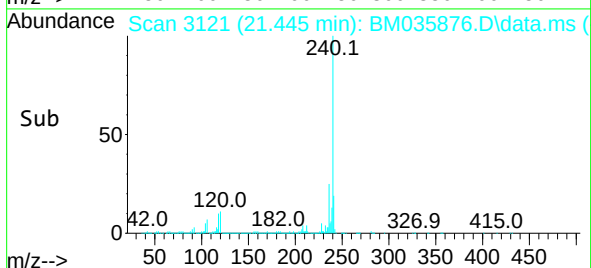
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

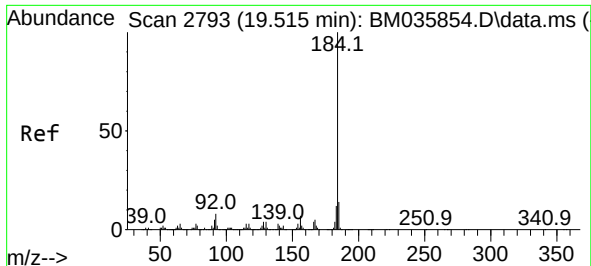


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



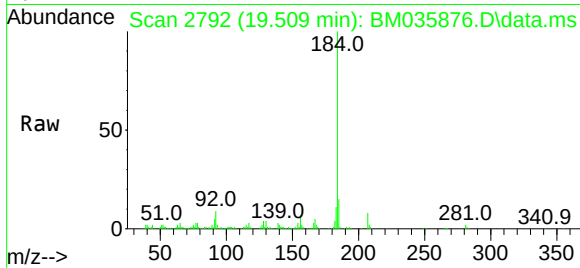
Tgt Ion:240 Resp: 983851
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.0
236 25.5 20.6 30.8





#77
Benzidine
Concen: 11.238 ng
RT: 19.509 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

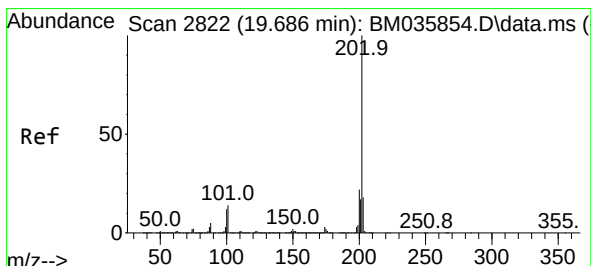
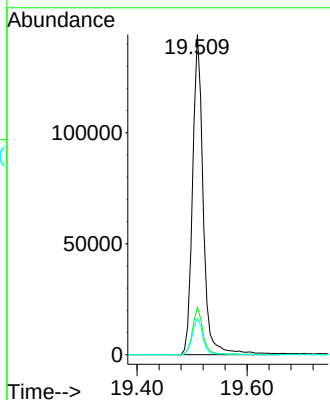
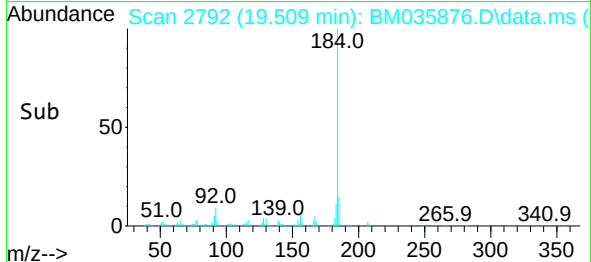
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



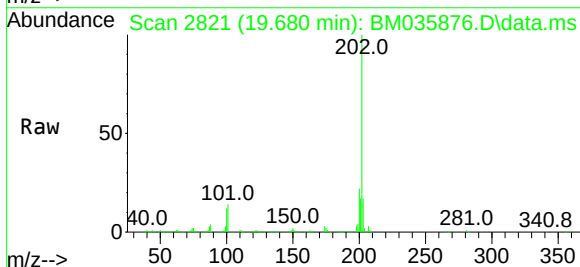
Tgt Ion:184 Resp: 19411
Ion Ratio Lower Upper
184 100
185 14.7 11.3 16.9
183 11.5 9.5 14.3

Manual Integrations
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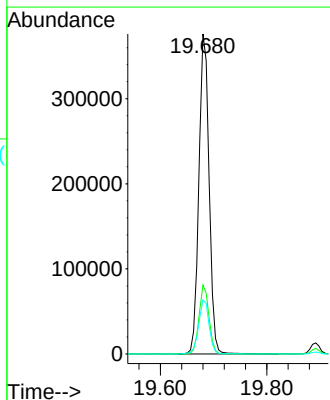
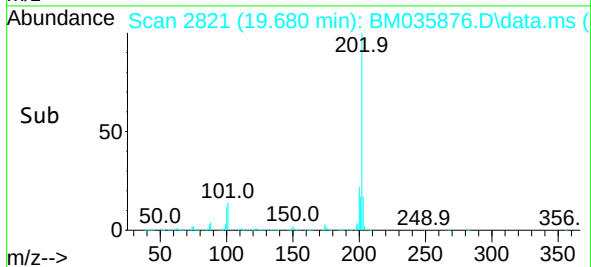
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

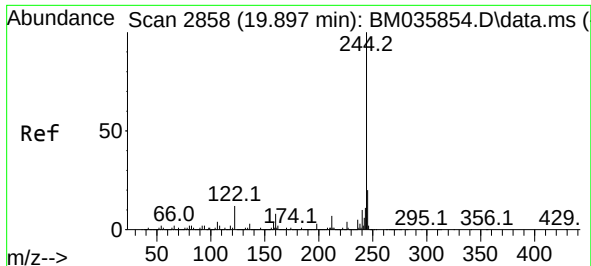


#78
Pyrene
Concen: 7.748 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



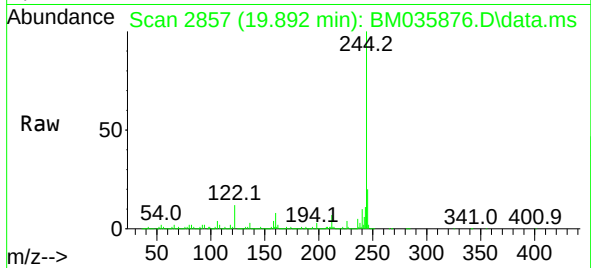
Tgt Ion:202 Resp: 498420
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 16.9 13.9 20.9





#79
 Terphenyl-d14
 Concen: 90.784 ng
 RT: 19.892 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20

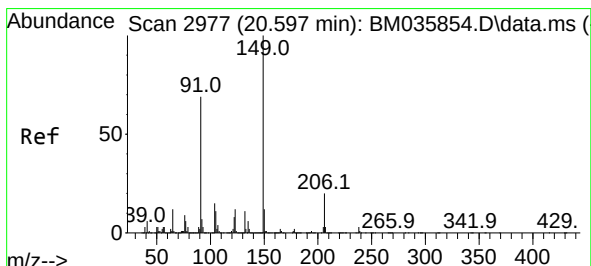
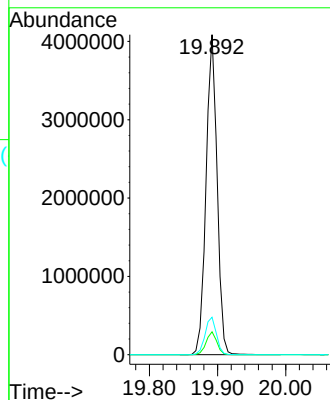
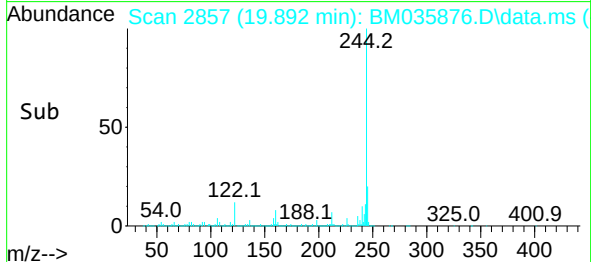
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



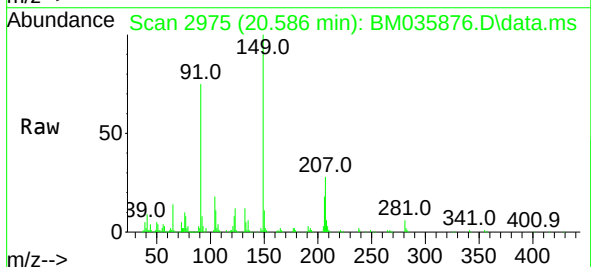
Tgt Ion:244 Resp: 459061
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 11.7 8.3 12.5

Manual Integrations
 APPROVED

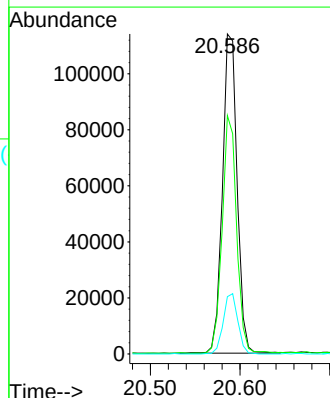
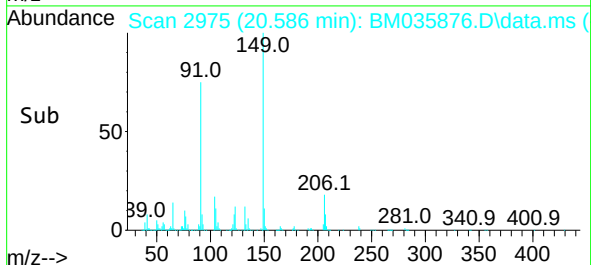
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

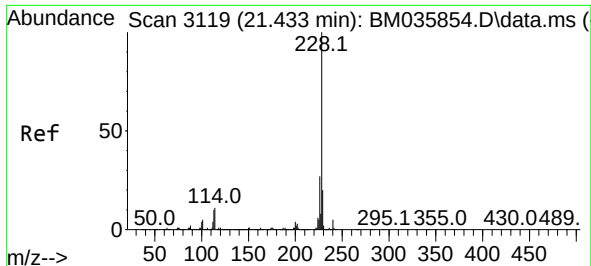


#80
 Butylbenzylphthalate
 Concen: 5.634 ng
 RT: 20.586 min Scan# 2975
 Delta R.T. -0.011 min
 Lab File: BM035876.D
 Acq: 20 Jul 2022 11:20



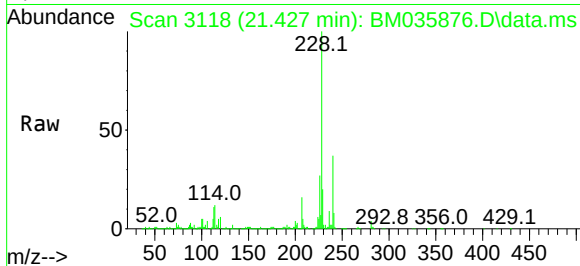
Tgt Ion:149 Resp: 129373
 Ion Ratio Lower Upper
 149 100
 91 74.5 56.6 85.0
 206 17.9 15.4 23.0





#81
Benzo(a)anthracene
Concen: 7.540 ng
RT: 21.427 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

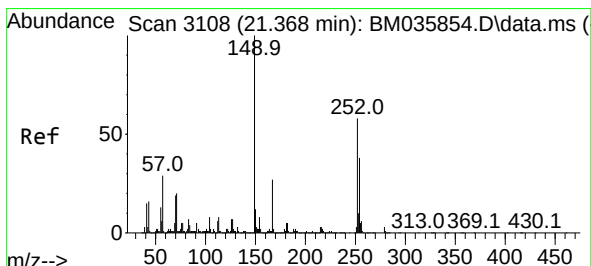
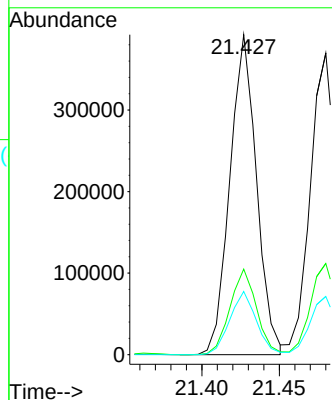
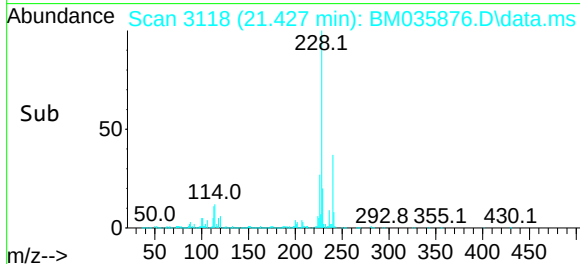
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:228 Resp: 46959
Ion Ratio Lower Upper
228 100
226 26.7 22.3 33.5
229 19.8 15.8 23.6

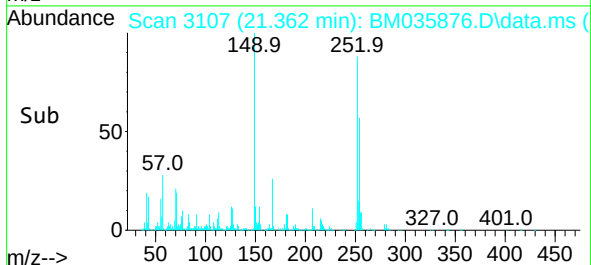
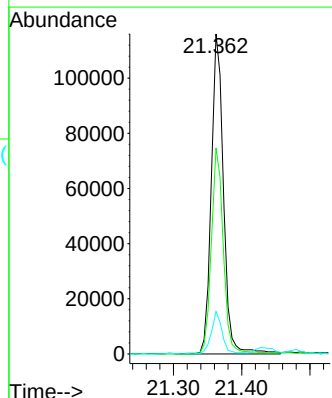
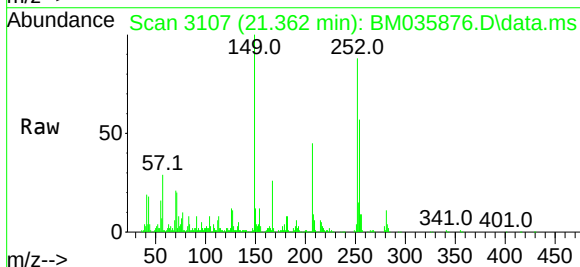
Manual Integrations
APPROVED

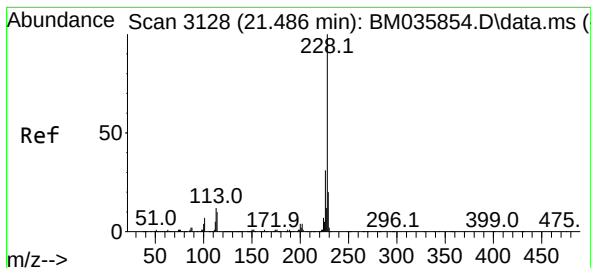
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 9.930 ng
RT: 21.362 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

Tgt Ion:252 Resp: 144871
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 13.3 9.4 14.0





#83

Chrysene

Concen: 7.638 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

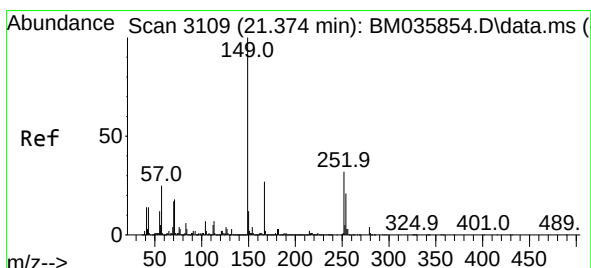
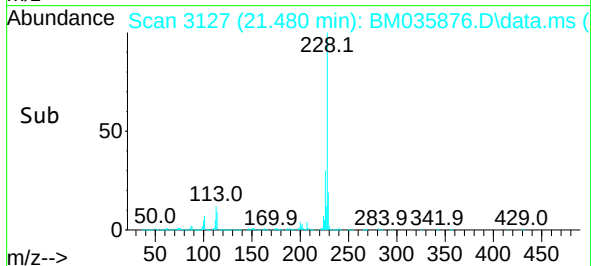
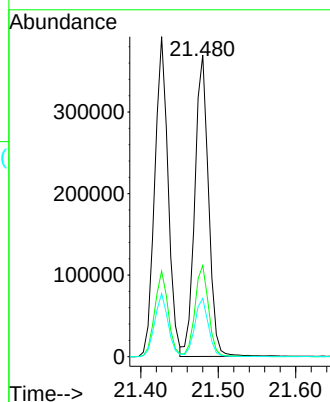
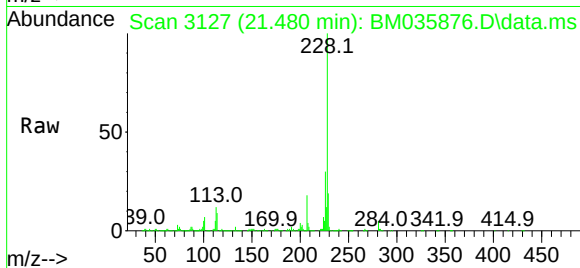
Tgt Ion:228 Resp: 45390
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.4 36.6
 229 19.3 15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.871 ng

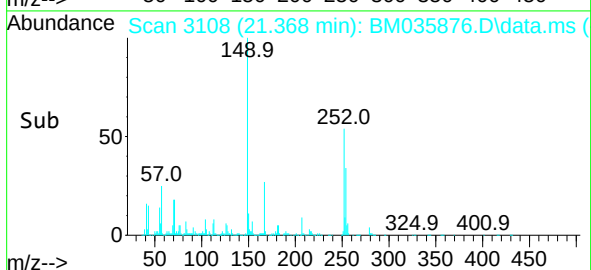
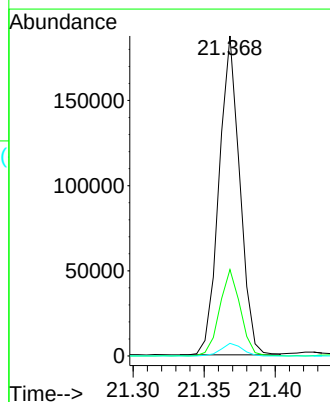
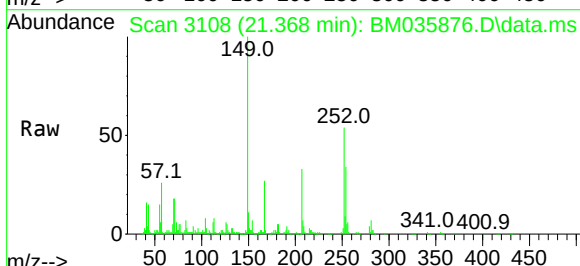
RT: 21.368 min Scan# 3108

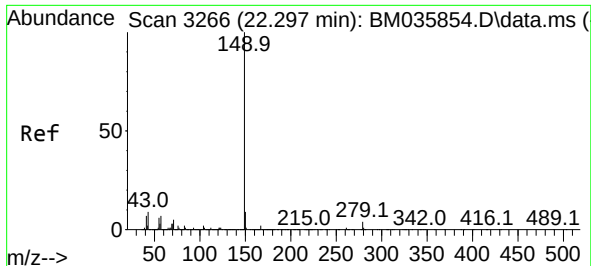
Delta R.T. -0.006 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

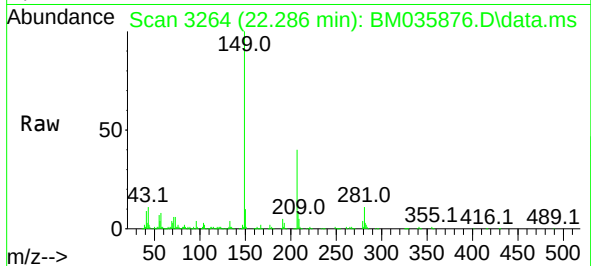
Tgt Ion:149 Resp: 190035
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.1 31.7
 279 3.9 2.8 4.2





#85
Di-n-octyl phthalate
Concen: 5.700 ng
RT: 22.286 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

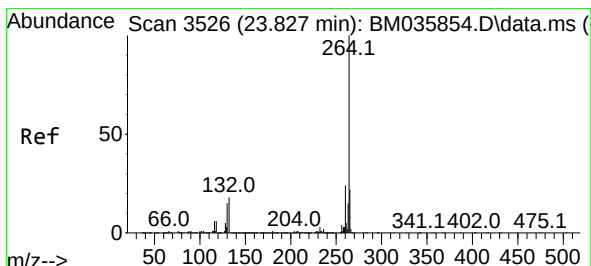
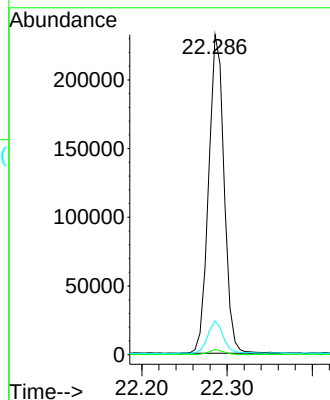
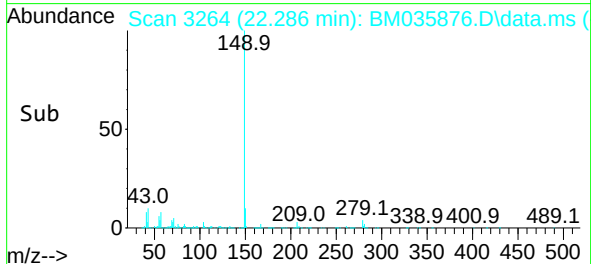
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



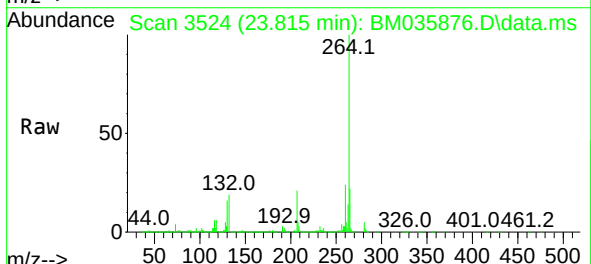
Tgt Ion:149 Resp: 29271
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.0 8.6 12.8

Manual Integrations
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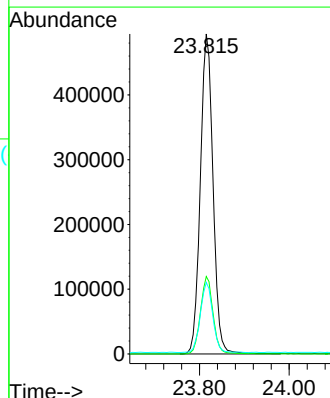
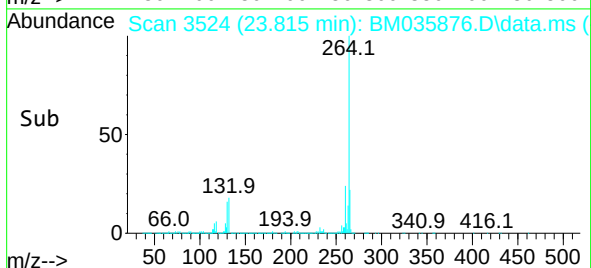
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

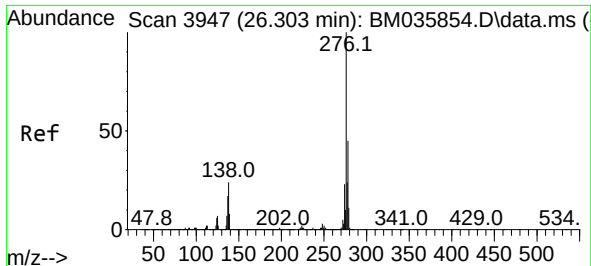


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.815 min Scan# 3524
Delta R.T. -0.012 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



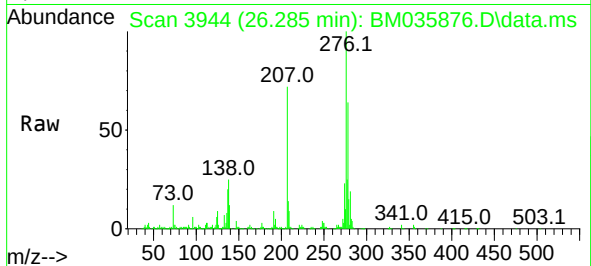
Tgt Ion:264 Resp: 968356
Ion Ratio Lower Upper
264 100
260 24.2 18.9 28.3
265 22.3 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.034 ng
RT: 26.285 min Scan# 3947
Delta R.T. -0.017 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20

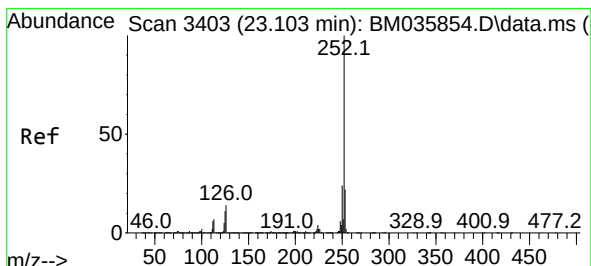
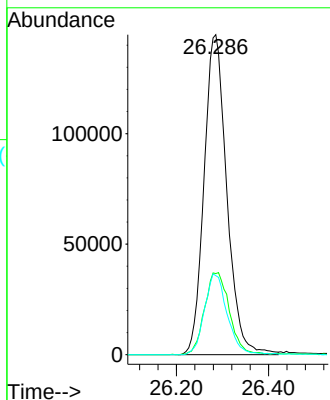
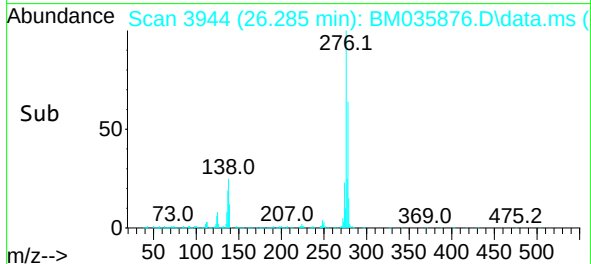
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



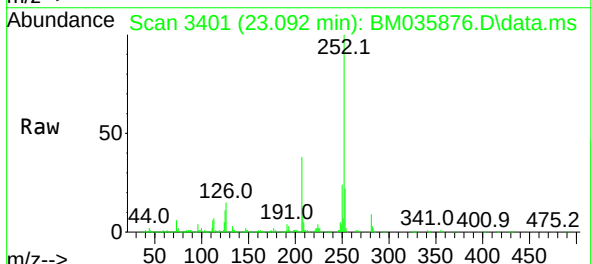
Tgt Ion:276 Resp: 497644
Ion Ratio Lower Upper
276 100
138 28.0 20.2 30.4
277 25.2 20.2 30.2

Manual Integrations
APPROVED

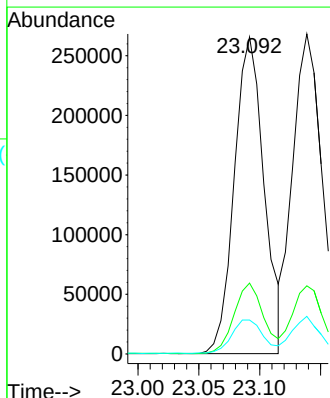
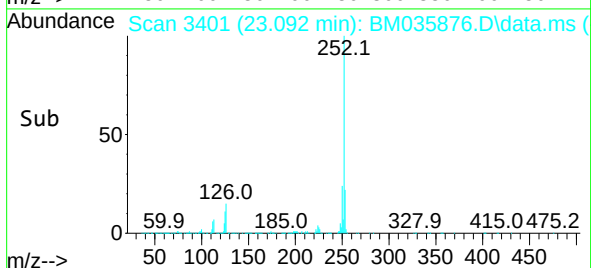
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

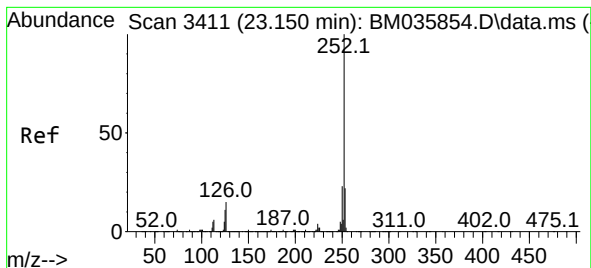


#88
Benzo(b)fluoranthene
Concen: 7.840 ng
RT: 23.092 min Scan# 3401
Delta R.T. -0.012 min
Lab File: BM035876.D
Acq: 20 Jul 2022 11:20



Tgt Ion:252 Resp: 451930
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 7.783 ng m

RT: 23.139 min Scan# 34

Delta R.T. -0.011 min

Lab File: BM035876.D

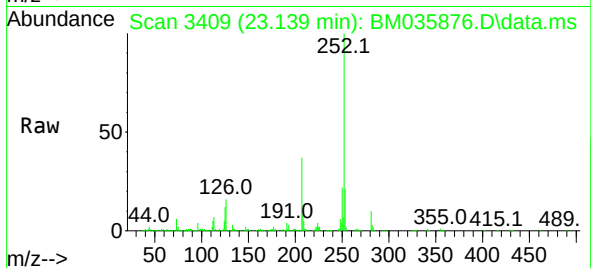
Acq: 20 Jul 2022 11:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 464289

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

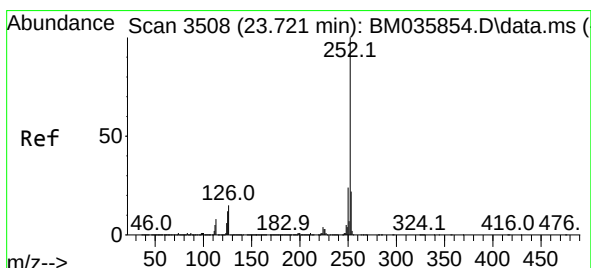
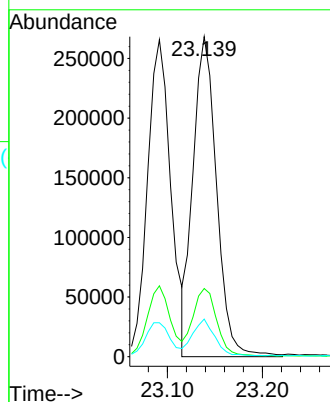
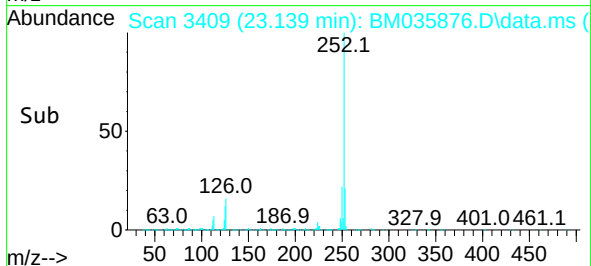
125 11.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#90

Benzo(a)pyrene

Concen: 8.597 ng

RT: 23.709 min Scan# 3506

Delta R.T. -0.012 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

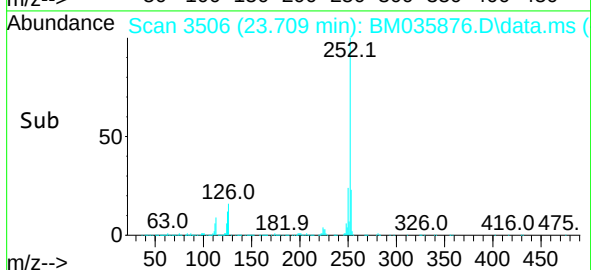
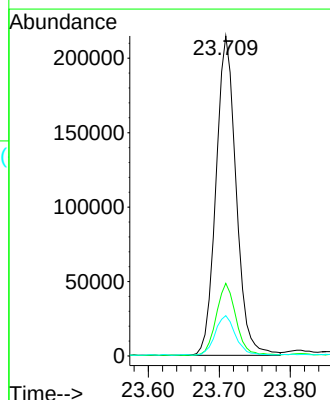
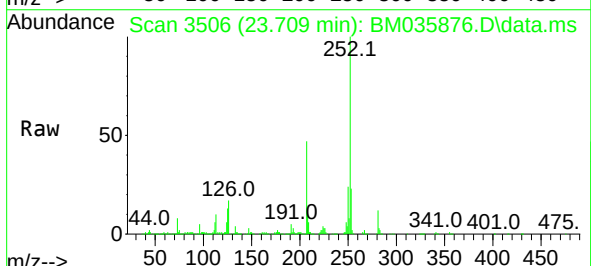
Tgt Ion:252 Resp: 421814

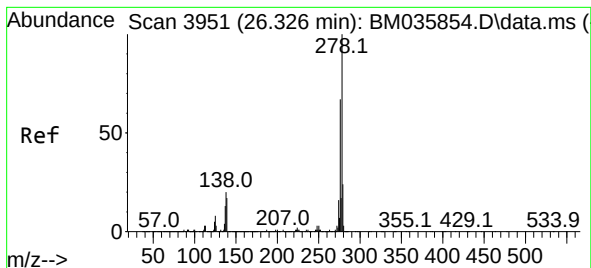
Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 12.6 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 7.574 ng

RT: 26.303 min Scan# 3947

Delta R.T. -0.023 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

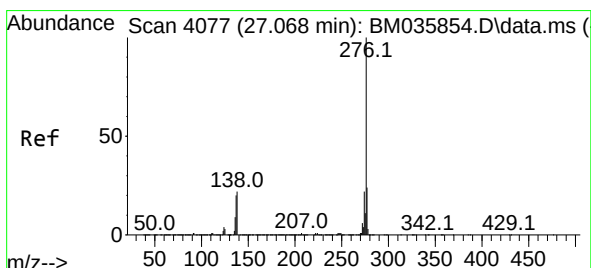
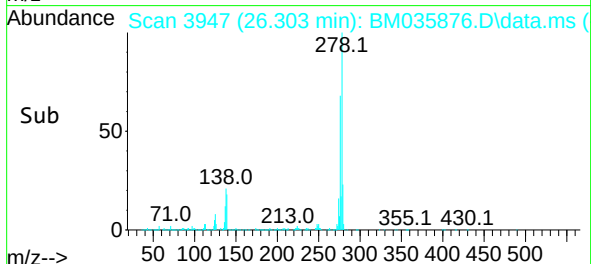
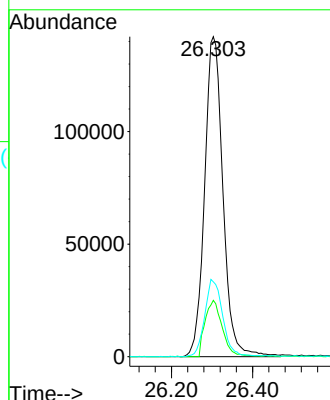
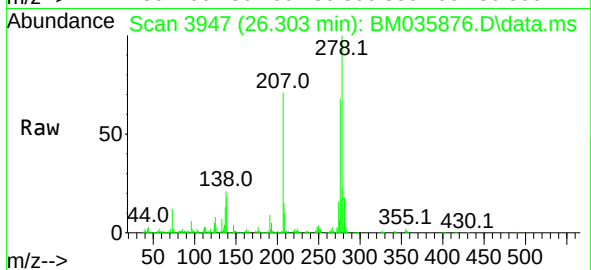
Tgt Ion:	278	Resp:	44529
Ion Ratio	Lower	Upper	
278	100		
139	17.6	12.9	19.3
279	23.4	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#92

Benzo(g,h,i)perylene

Concen: 7.703 ng

RT: 27.038 min Scan# 4072

Delta R.T. -0.029 min

Lab File: BM035876.D

Acq: 20 Jul 2022 11:20

Tgt Ion:	276	Resp:	446645
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.7	28.1
138	23.3	17.6	26.4

