

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072022\
 Data File : BM035877.D
 Acq On : 20 Jul 2022 12:14
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 20 13:12:38 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	7.892	152	316604	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	1324455	20.000	ng	-0.01
39) Acenaphthene-d10	14.527	164	789954	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1539099	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1170226	20.000	ng	0.00
86) Perylene-d12	23.821	264	1043295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2362141	115.666	ng	0.00
7) Phenol-d6	7.057	99	3157553	122.955	ng	0.00
23) Nitrobenzene-d5	9.063	82	2236640	90.319	ng	0.00
42) 2,4,6-Tribromophenol	16.015	330	1060896	120.064	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	5065889	90.647	ng	0.00
79) Terphenyl-d14	19.892	244	5865437	97.521	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	30597	3.625	ng	96
3) Pyridine	3.728	79	80235	3.577	ng	91
4) n-Nitrosodimethylamine	3.640	42	36140	3.855	ng	# 67
6) Aniline	7.222	93	123021	4.362	ng	96
8) 2-Chlorophenol	7.451	128	80614	3.820	ng	98
9) Benzaldehyde	7.034	77	77993m	5.406	ng	
10) Phenol	7.081	94	100878	3.900	ng	97
11) bis(2-Chloroethyl)ether	7.322	93	85263	4.086	ng	94
12) 1,3-Dichlorobenzene	7.781	146	88514	3.760	ng	95
13) 1,4-Dichlorobenzene	7.928	146	92197	3.847	ng	99
14) 1,2-Dichlorobenzene	8.245	146	90249	3.893	ng	99
15) Benzyl Alcohol	8.134	79	61646	3.643	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.422	45	111887	4.118	ng	96
17) 2-Methylphenol	8.339	107	62418	3.717	ng	94
18) Hexachloroethane	8.975	117	31995	3.711	ng	95
19) n-Nitroso-di-n-propyla...	8.704	70	59754	4.013	ng	88
20) 3+4-Methylphenols	8.663	107	81910	3.609	ng	94
22) Acetophenone	8.722	105	125009	3.819	ng	# 92
24) Nitrobenzene	9.104	77	99611	4.283	ng	97
25) Isophorone	9.628	82	158134	4.082	ng	97
26) 2-Nitrophenol	9.810	139	30421	2.903	ng	96
27) 2,4-Dimethylphenol	9.875	122	69346	4.196	ng	97
28) bis(2-Chloroethoxy)met...	10.116	93	105478	3.912	ng	96
29) 2,4-Dichlorophenol	10.345	162	60092	3.279	ng	99
30) 1,2,4-Trichlorobenzene	10.563	180	77938	3.685	ng	96
31) Naphthalene	10.751	128	270913	4.026	ng	98
33) 4-Chloroaniline	10.863	127	107119	3.979	ng	95
34) Hexachlorobutadiene	11.033	225	43444	3.579	ng	98
35) Caprolactam	11.616	113	16536	2.951	ng	# 84
36) 4-Chloro-3-methylphenol	11.980	107	67312	3.582	ng	99
37) 2-Methylnaphthalene	12.363	142	174015	3.975	ng	99
38) 1-Methylnaphthalene	12.580	142	170271	3.996	ng	98
40) 1,2,4,5-Tetrachloroben...	12.722	216	83297	3.691	ng	99
41) Hexachlorocyclopentadiene	12.704	237	47236	3.883	ng	98
43) 2,4,6-Trichlorophenol	12.963	196	45558	3.054	ng	95
44) 2,4,5-Trichlorophenol	13.033	196	49119	3.123	ng	98

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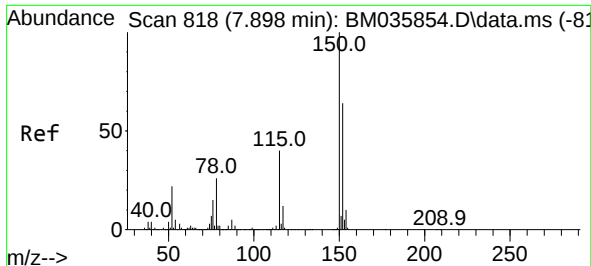
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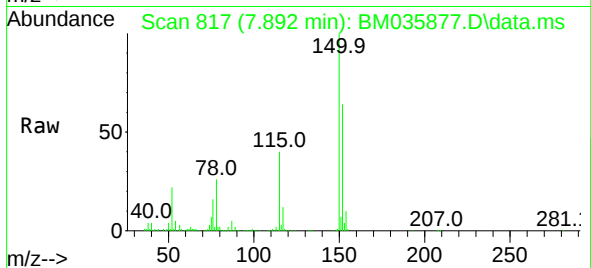
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.369	154	235355	3.917	ng	98
47) 2-Chloronaphthalene	13.410	162	171350	3.710	ng	97
48) 2-Nitroaniline	13.616	65	36751	2.888	ng	93
49) Acenaphthylene	14.251	152	274720	3.863	ng	100
50) Dimethylphthalate	13.992	163	191472	3.682	ng	98
51) 2,6-Dinitrotoluene	14.110	165	35683	3.282	ng	98
52) Acenaphthene	14.592	154	162541	3.815	ng	99
53) 3-Nitroaniline	14.433	138	38644	2.952	ng	95
55) Dibenzofuran	14.927	168	259245	3.798	ng	98
56) 4-Nitrophenol	14.733	139	25216	2.455	ng	94
57) 2,4-Dinitrotoluene	14.886	165	41540	2.919	ng	89
58) Fluorene	15.574	166	201066	3.752	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.151	232	38260	3.026	ng	99
60) Diethylphthalate	15.351	149	186131	3.613	ng	100
61) 4-Chlorophenyl-phenyle...	15.574	204	96502	3.701	ng	95
62) 4-Nitroaniline	15.592	138	36520	2.725	ng	95
63) Azobenzene	15.862	77	182770	3.455	ng	93
66) n-Nitrosodiphenylamine	15.786	169	161032	3.563	ng	99
67) 4-Bromophenyl-phenylether	16.462	248	54739	3.538	ng	96
68) Hexachlorobenzene	16.568	284	66218	3.687	ng	92
69) Atrazine	16.733	200	45128	3.800	ng	99
70) Pentachlorophenol	16.915	266	24262	2.434	ng	98
71) Phenanthrene	17.309	178	306157	3.781	ng	100
72) Anthracene	17.404	178	288146	3.661	ng	99
73) Carbazole	17.674	167	262065	3.283	ng	99
74) Di-n-butylphthalate	18.245	149	242838	2.988	ng	99
75) Fluoranthene	19.321	202	289262	3.287	ng	98
77) Benzidine	19.509	184	101278	4.929	ng	98
78) Pyrene	19.686	202	303977	3.973	ng	98
80) Butylbenzylphthalate	20.592	149	70026	2.564	ng	96
81) Benzo(a)anthracene	21.433	228	263210	3.553	ng	99
82) 3,3'-Dichlorobenzidine	21.368	252	70940	4.088	ng	99
83) Chrysene	21.486	228	261345	3.697	ng	99
84) Bis(2-ethylhexyl)phtha...	21.374	149	98454	2.557	ng	99
85) Di-n-octyl phthalate	22.291	149	139017	2.276	ng	99
87) Indeno(1,2,3-cd)pyrene	26.291	276	237558	3.116	ng	98
88) Benzo(b)fluoranthene	23.097	252	232572	3.745	ng	# 96
89) Benzo(k)fluoranthene	23.144	252	231435	3.601	ng	# 97
90) Benzo(a)pyrene	23.715	252	213010	4.030	ng	98
91) Dibenzo(a,h)anthracene	26.315	278	210253	3.319	ng	97
92) Benzo(g,h,i)perylene	27.044	276	212563	3.403	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

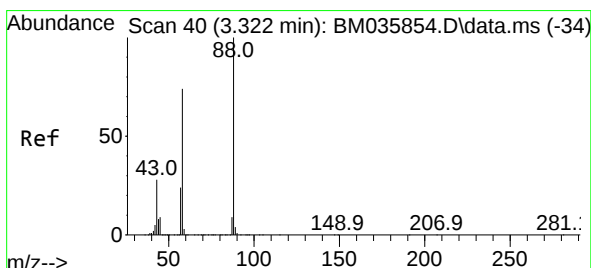
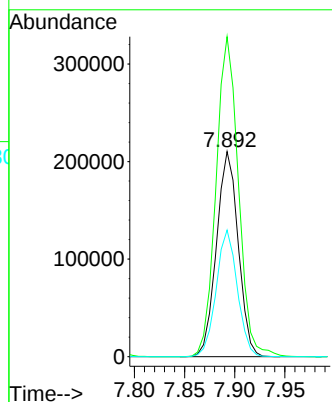
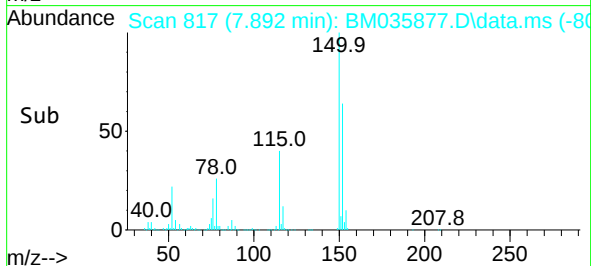
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 316604
Ion Ratio Lower Upper
152 100
150 156.0 124.9 187.3
115 61.7 47.9 71.9

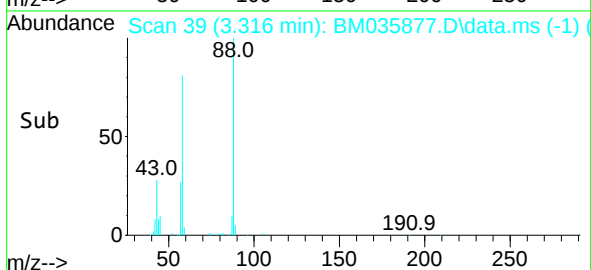
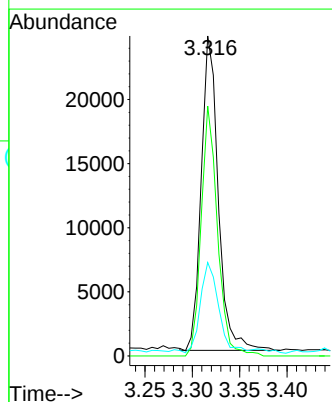
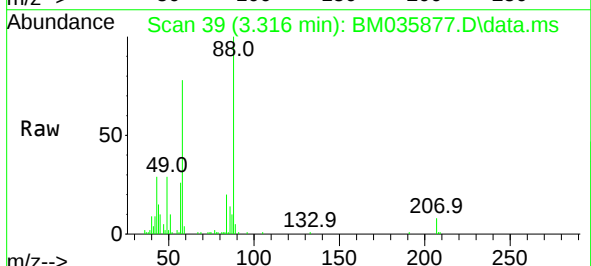
Manual Integrations
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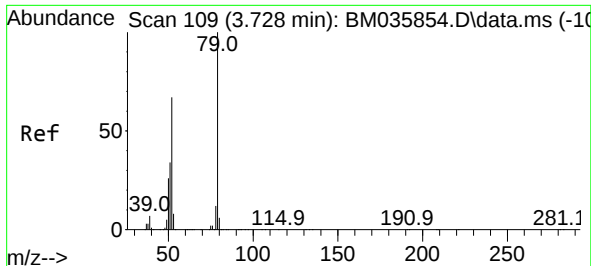
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#2
1,4-Dioxane
Concen: 3.625 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

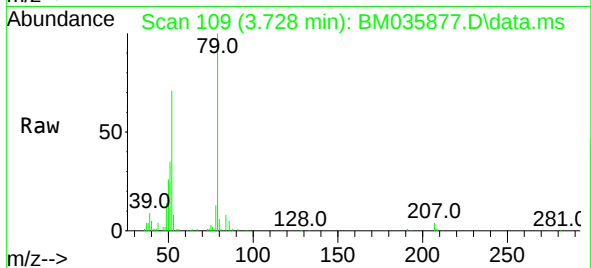
Tgt Ion: 88 Resp: 30597
Ion Ratio Lower Upper
88 100
58 76.1 62.3 93.5
43 30.6 28.7 43.1





#3
Pyridine
Concen: 3.577 ng
RT: 3.728 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

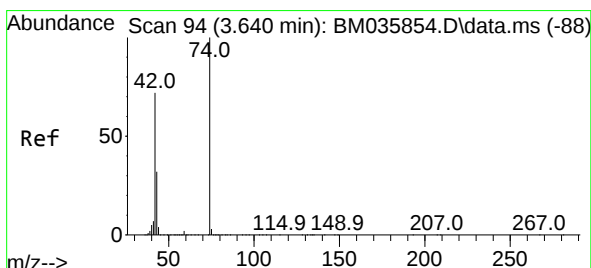
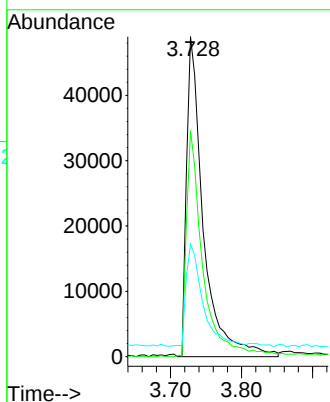
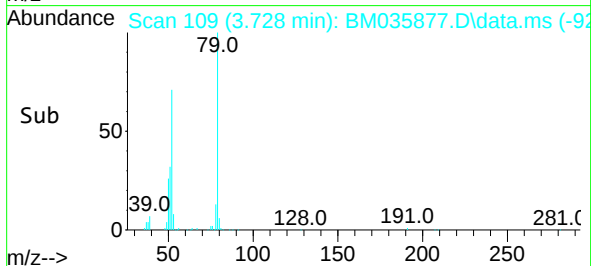
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



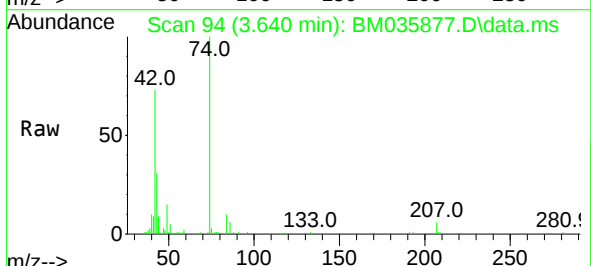
Tgt Ion: 79 Resp: 80235
Ion Ratio Lower Upper
79 100
52 70.7 61.9 92.9
51 35.1 33.5 50.3

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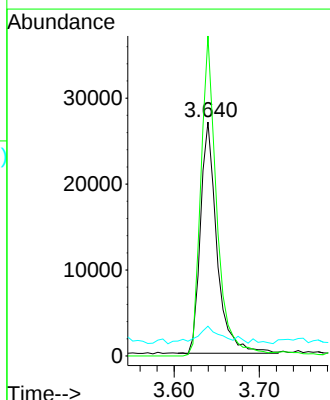
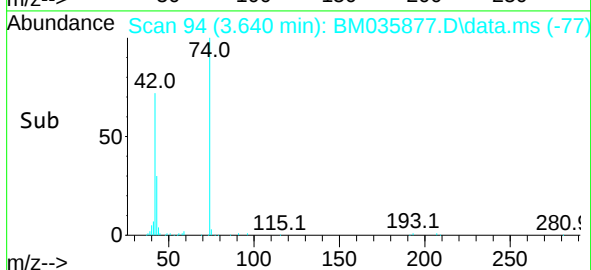
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

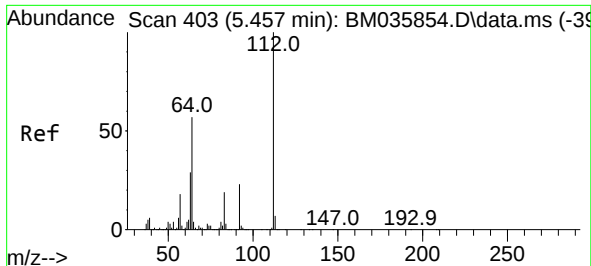


#4
n-Nitrosodimethylamine
Concen: 3.855 ng
RT: 3.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



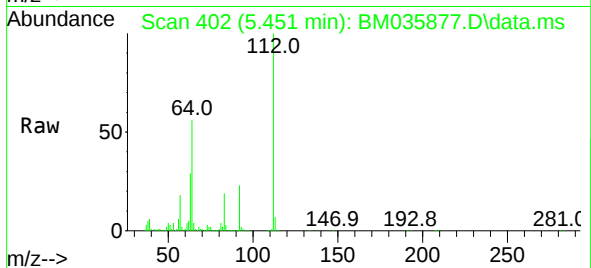
Tgt Ion: 42 Resp: 36140
Ion Ratio Lower Upper
42 100
74 136.8 81.6 122.4#
44 12.8 5.2 7.8#





#5
2-Fluorophenol
Concen: 115.666 ng
RT: 5.451 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

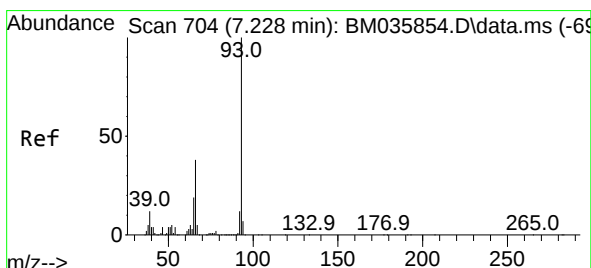
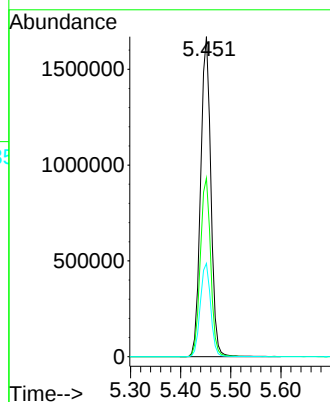
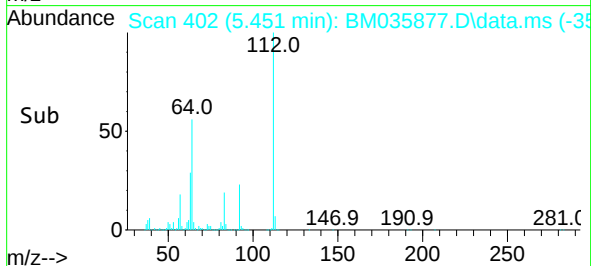
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:112 Resp: 236214
Ion Ratio Lower Upper
112 100
64 55.8 47.8 71.6
63 29.2 26.6 40.0

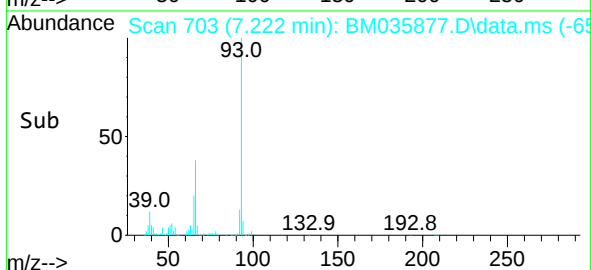
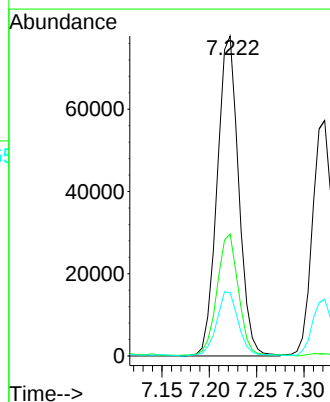
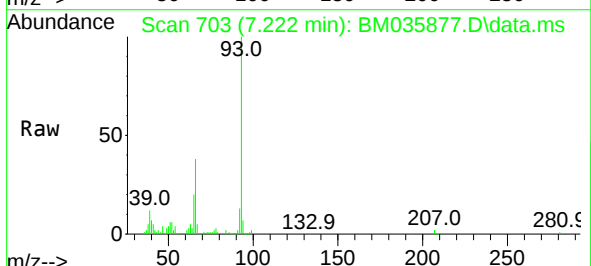
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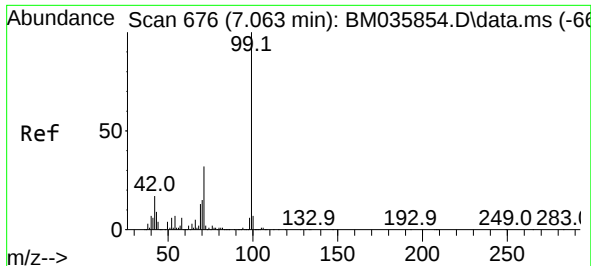
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#6
Aniline
Concen: 4.362 ng
RT: 7.222 min Scan# 703
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

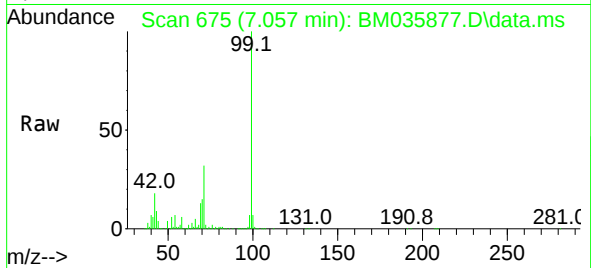
Tgt Ion: 93 Resp: 123021
Ion Ratio Lower Upper
93 100
66 38.1 32.6 49.0
65 19.8 16.8 25.2





#7
Phenol-d6
Concen: 122.955 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

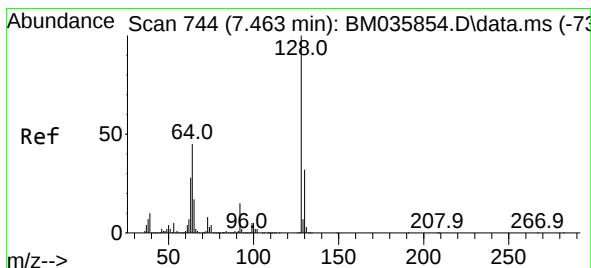
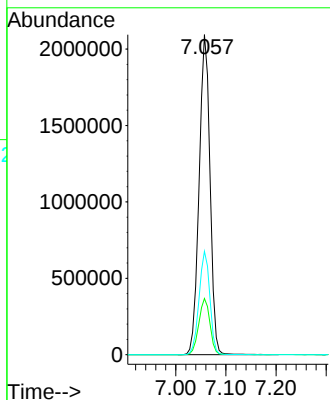
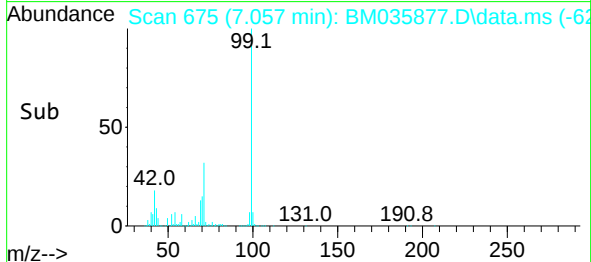
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 99 Resp: 315755
Ion Ratio Lower Upper
99 100
42 17.6 18.8 28.2
71 32.3 30.2 45.2

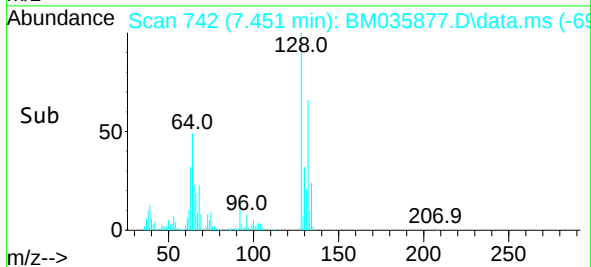
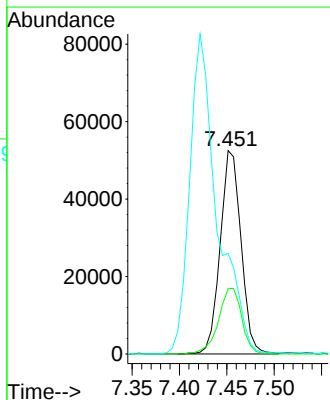
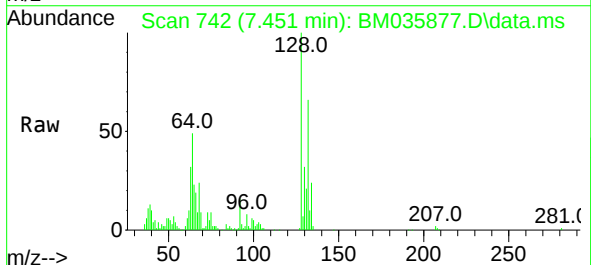
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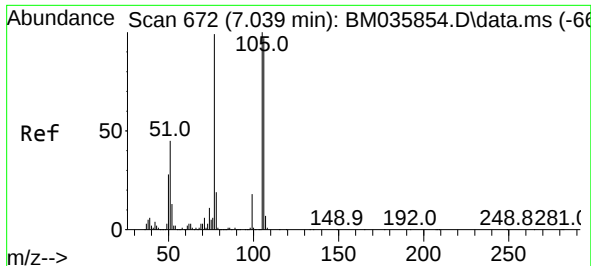
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#8
2-Chlorophenol
Concen: 3.820 ng
RT: 7.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

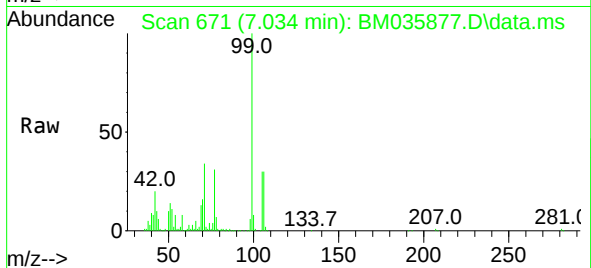
Tgt Ion:128 Resp: 80614
Ion Ratio Lower Upper
128 100
130 32.1 10.9 50.9
64 49.5 28.2 68.2





#9
Benzaldehyde
Concen: 5.406 ng m
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

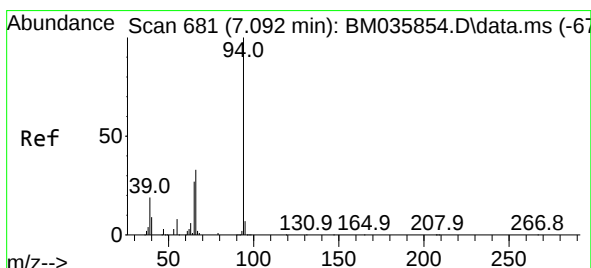
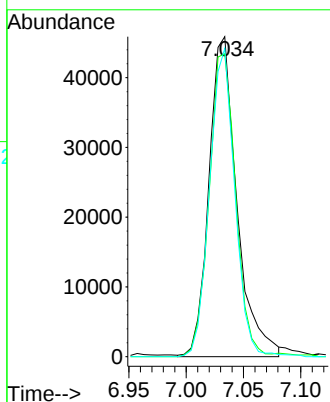
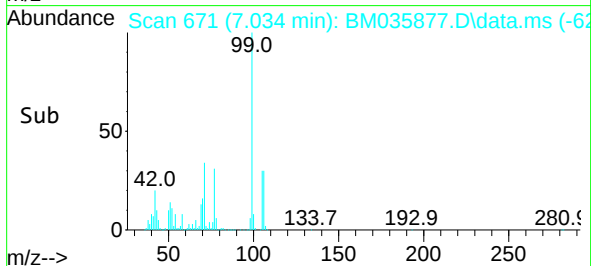
Instrument :
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ClientSampleId :
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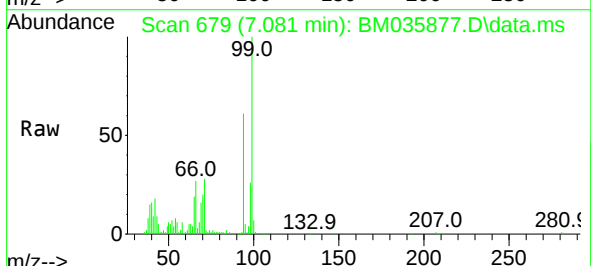
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Ion Ratio Lower Upper
77 100
105 94.6 76.3 116.3
106 96.3 69.0 109.0

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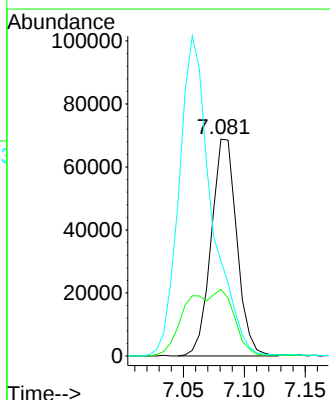
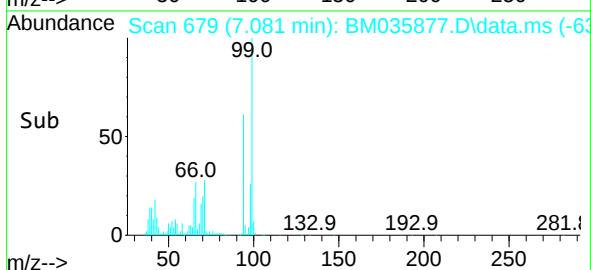
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

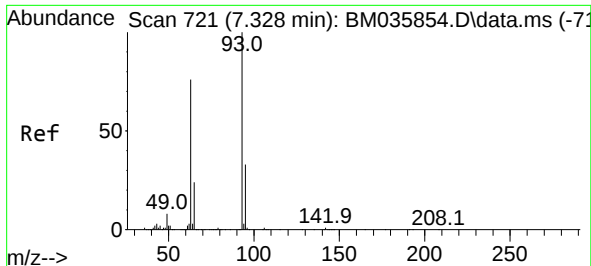


#10
Phenol
Concen: 3.900 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



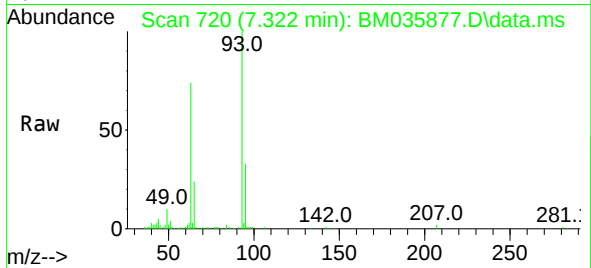
Tgt Ion: 94 Resp: 100878
Ion Ratio Lower Upper
94 100
65 30.7 11.4 51.4
66 43.8 21.4 61.4





#11
bis(2-Chloroethyl)ether
Concen: 4.086 ng
RT: 7.322 min Scan# 721
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

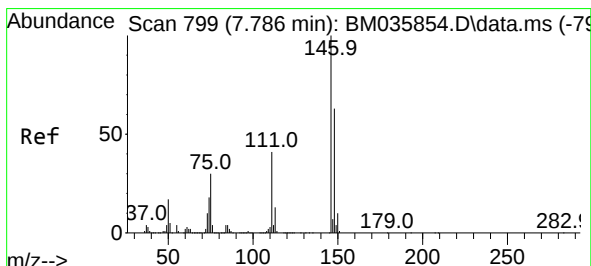
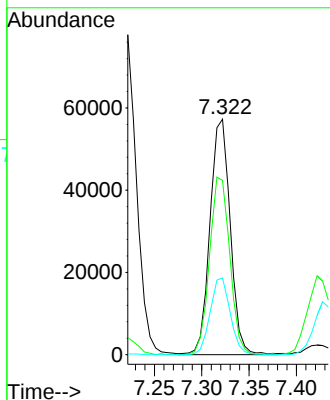
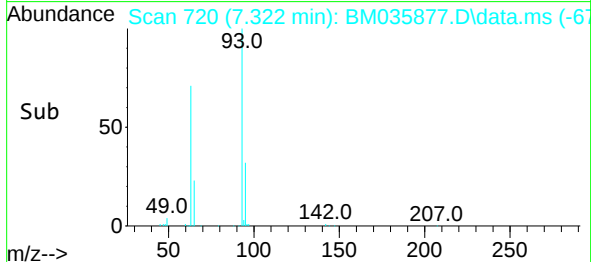
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



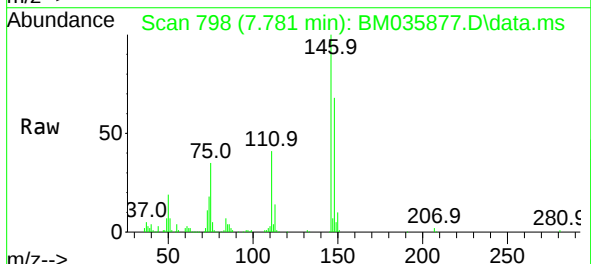
Tgt Ion: 93 Resp: 8526
Ion Ratio Lower Upper
93 100
63 74.0 60.6 100.6
95 32.6 13.2 53.2

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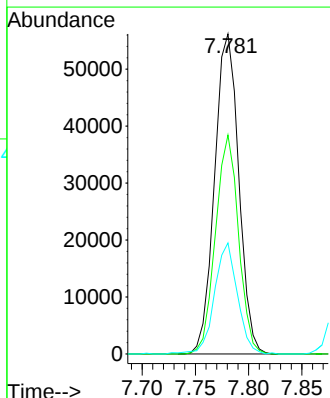
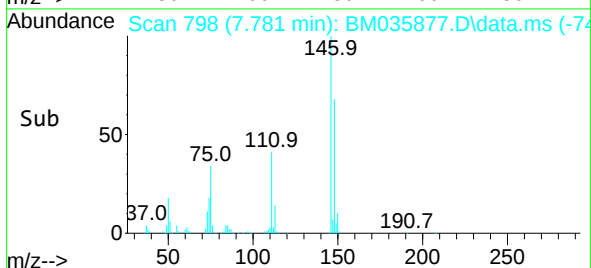
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

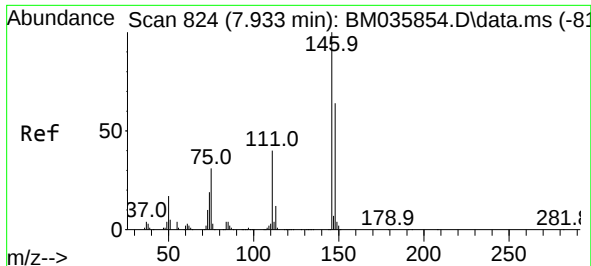


#12
1,3-Dichlorobenzene
Concen: 3.760 ng
RT: 7.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



Tgt Ion:146 Resp: 88514
Ion Ratio Lower Upper
146 100
148 68.4 50.7 76.1
75 34.7 26.1 39.1





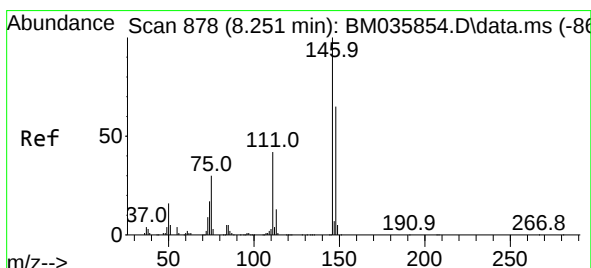
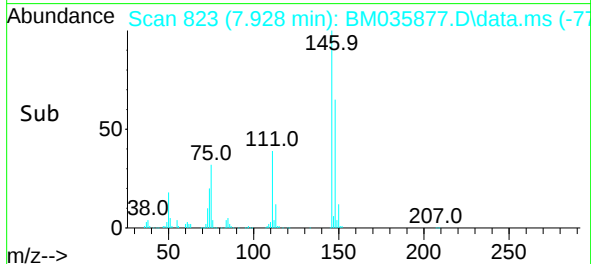
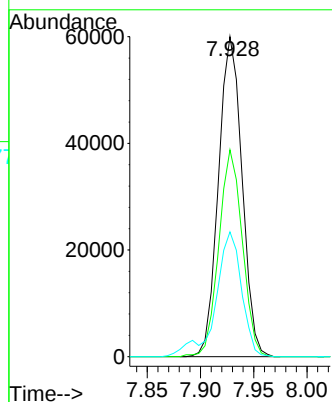
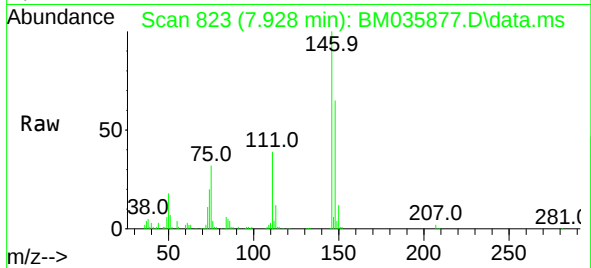
#13
1,4-Dichlorobenzene
Concen: 3.847 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

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

Tgt Ion:146 Resp: 9219
Ion Ratio Lower Upper
146 100
148 64.7 51.5 77.3
111 39.0 32.5 48.7

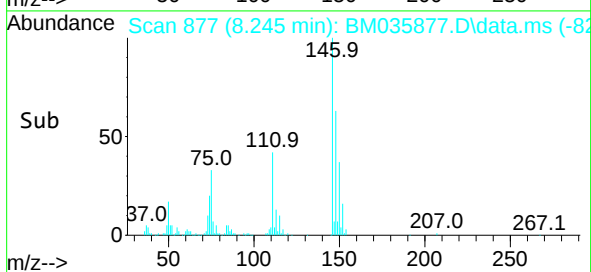
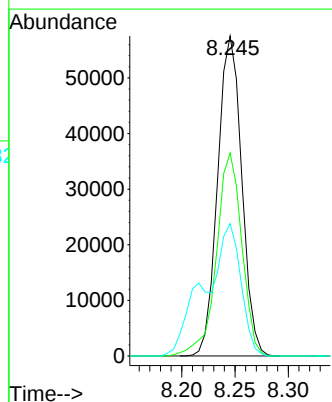
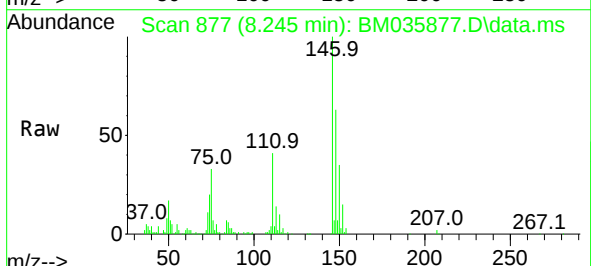
Manual Integrations
APPROVED

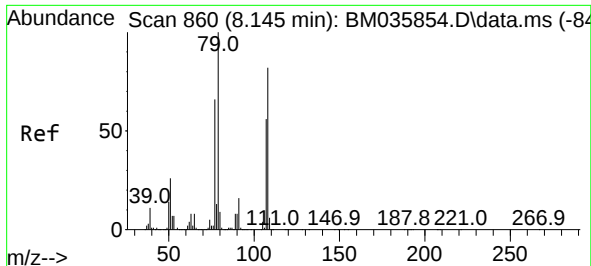
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#14
1,2-Dichlorobenzene
Concen: 3.893 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

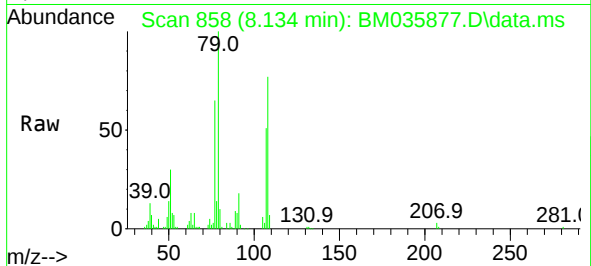
Tgt Ion:146 Resp: 90249
Ion Ratio Lower Upper
146 100
148 63.4 50.7 76.1
111 41.3 33.9 50.9





#15
Benzyl Alcohol
Concen: 3.643 ng
RT: 8.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

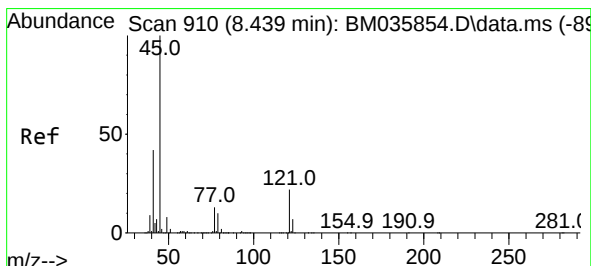
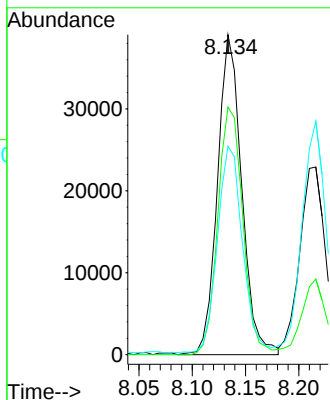
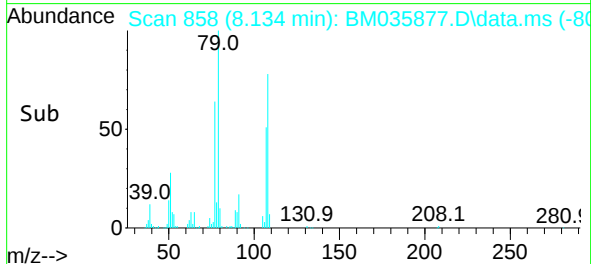
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



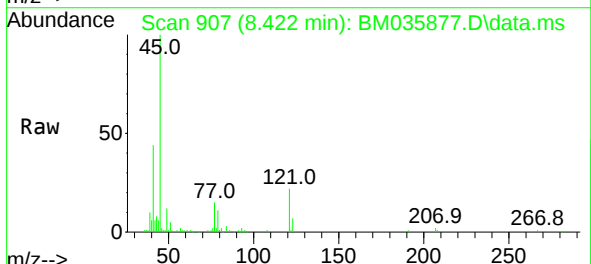
Tgt Ion: 79 Resp: 61640
Ion Ratio Lower Upper
79 100
108 77.4 59.0 88.4
77 65.1 52.2 78.4

Manual Integrations
APPROVED

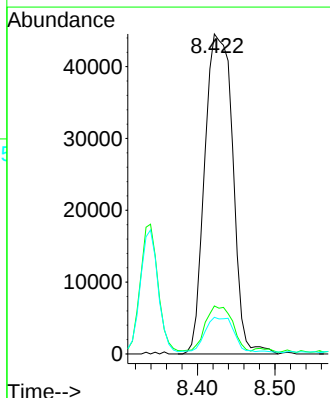
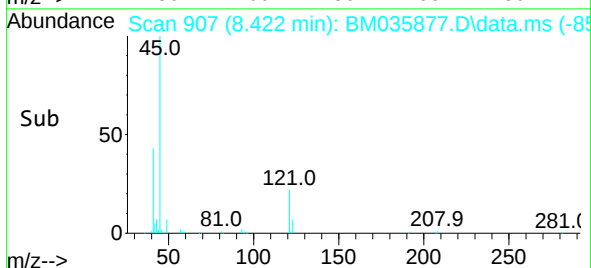
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

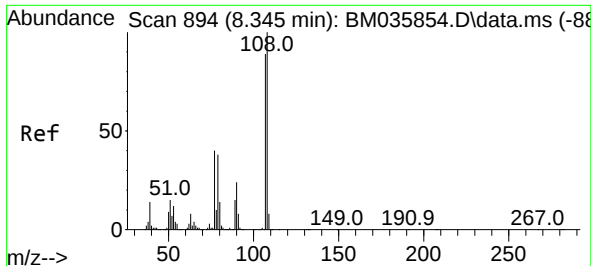


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.118 ng
RT: 8.422 min Scan# 907
Delta R.T. -0.018 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



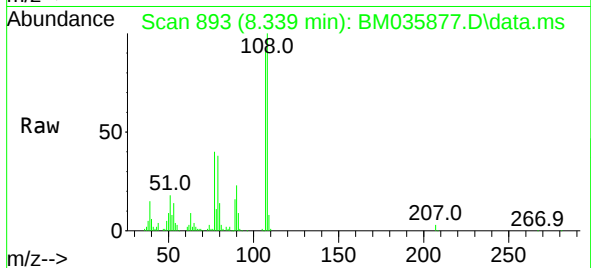
Tgt Ion: 45 Resp: 111887
Ion Ratio Lower Upper
45 100
77 15.0 0.0 33.1
79 11.5 0.0 30.5





#17
2-Methylphenol
Concen: 3.717 ng
RT: 8.339 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

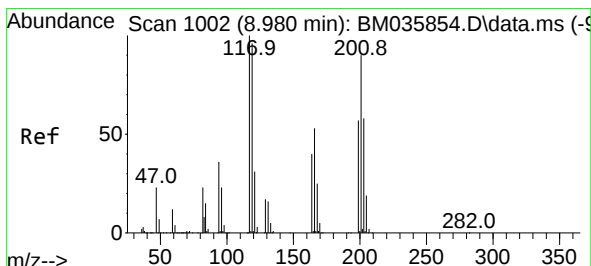
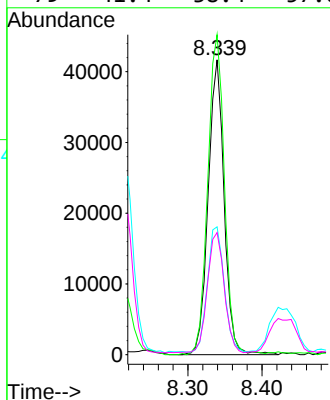
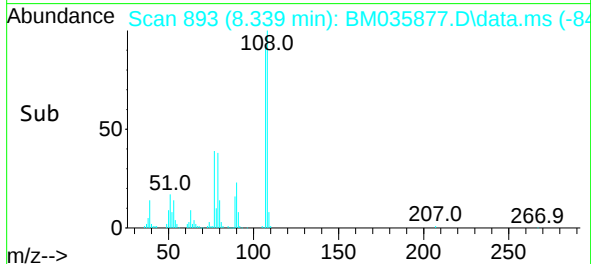
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:107 Resp: 62418
Ion Ratio Lower Upper
107 100
108 108.5 88.7 133.1
77 43.4 40.6 60.8
79 41.4 38.4 57.6

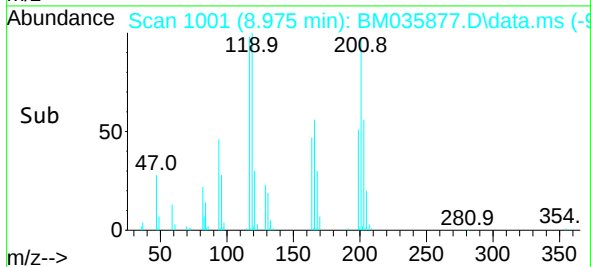
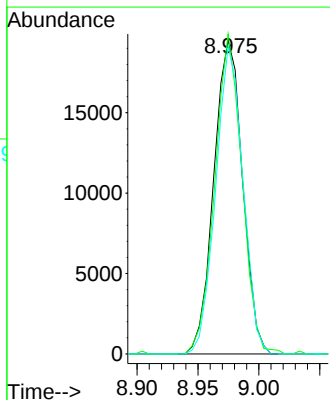
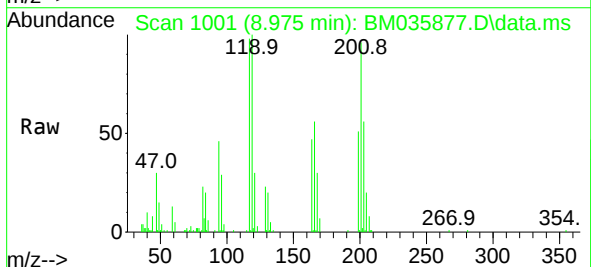
Manual Integrations
APPROVED

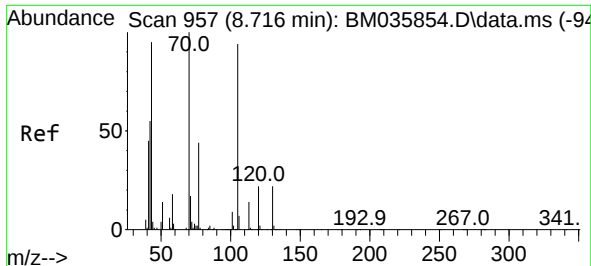
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#18
Hexachloroethane
Concen: 3.711 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

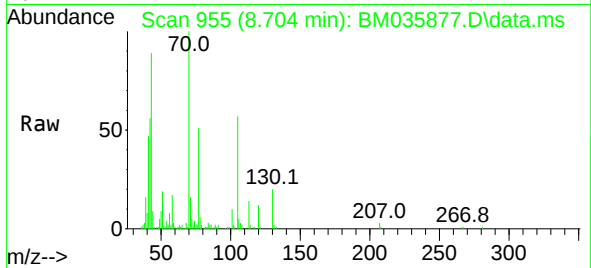
Tgt Ion:117 Resp: 31995
Ion Ratio Lower Upper
117 100
119 102.1 75.8 113.6
201 98.1 81.0 121.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.013 ng
RT: 8.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

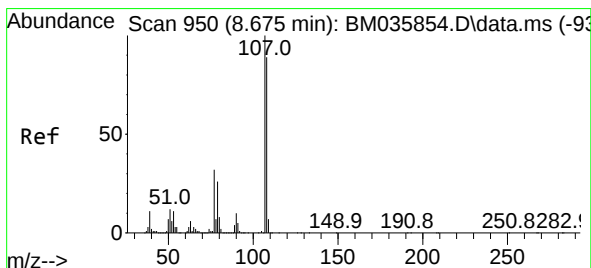
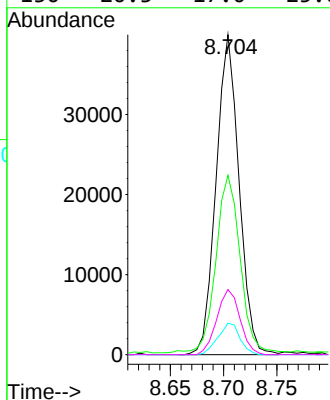
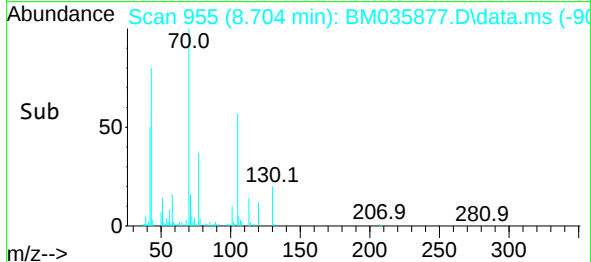
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



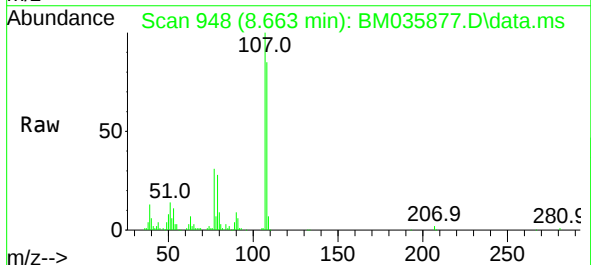
Tgt Ion: 70 Resp: 59754
Ion Ratio Lower Upper
70 100
42 56.1 55.4 83.2
101 9.9 7.8 11.6
130 20.3 17.0 25.6

Manual Integrations
APPROVED

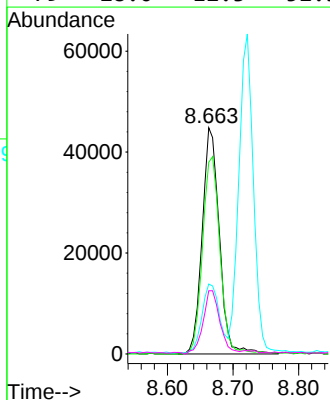
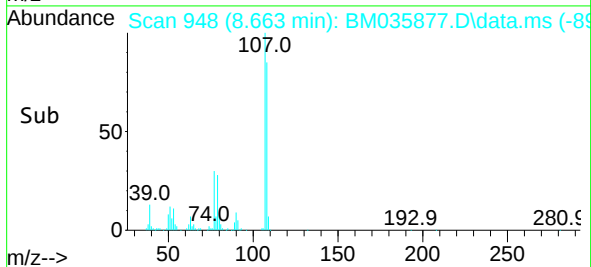
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

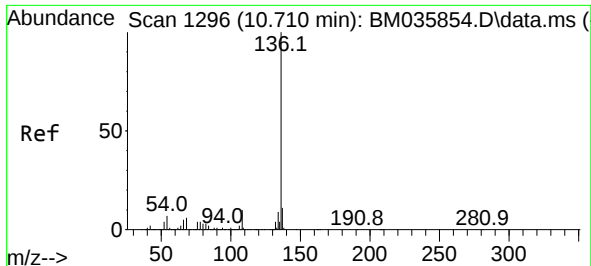


#20
3+4-Methylphenols
Concen: 3.609 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



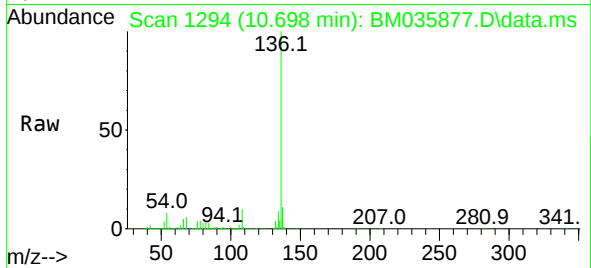
Tgt Ion:107 Resp: 81910
Ion Ratio Lower Upper
107 100
108 84.7 69.3 109.3
77 30.9 15.8 55.8
79 28.0 12.3 52.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

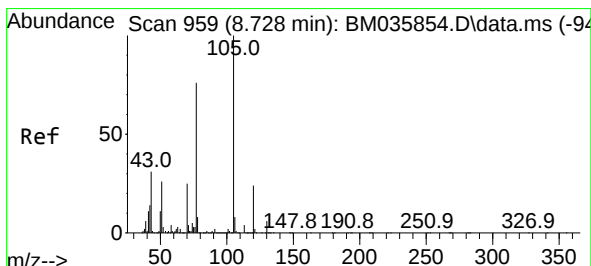
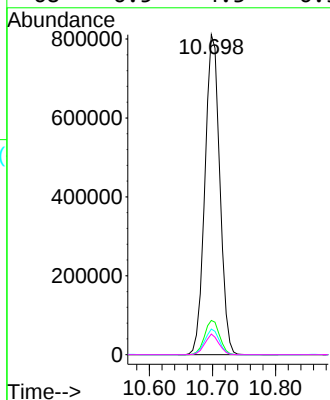
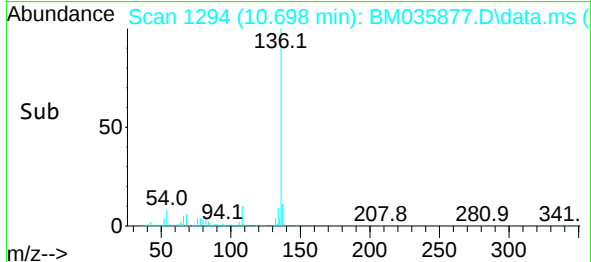
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 132445
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.0 7.0 10.4
68 6.5 4.3 6.5

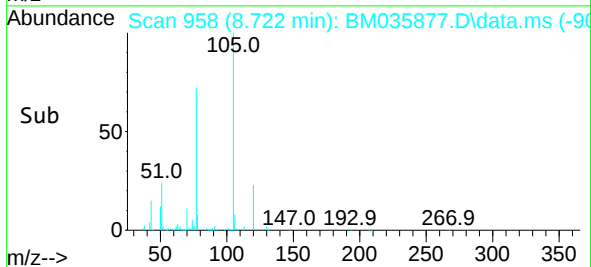
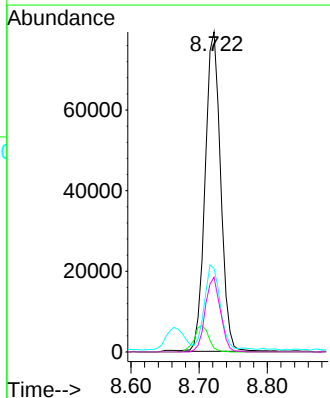
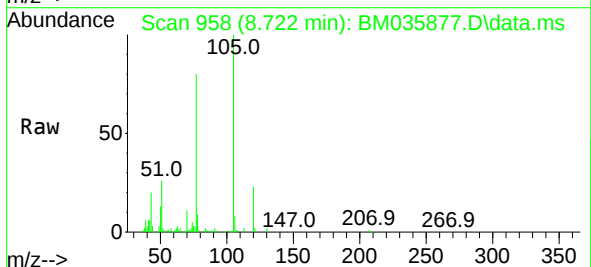
Manual Integrations
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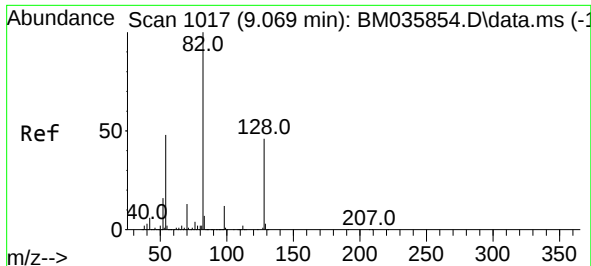
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#22
Acetophenone
Concen: 3.819 ng
RT: 8.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

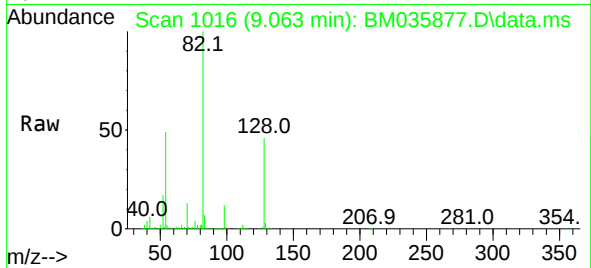
Tgt Ion:105 Resp: 125009
Ion Ratio Lower Upper
105 100
71 1.2 5.0 7.4#
51 26.1 25.6 38.4
120 23.3 17.8 26.8





#23
Nitrobenzene-d5
Concen: 90.319 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

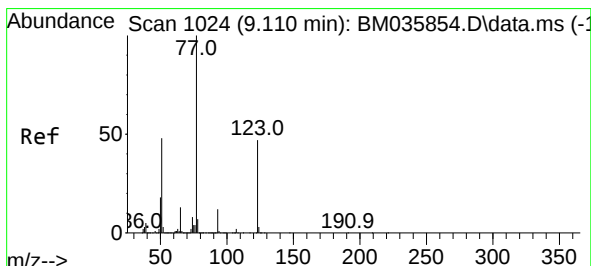
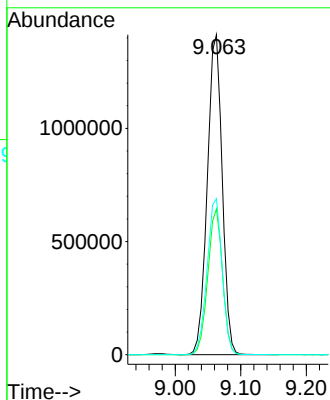
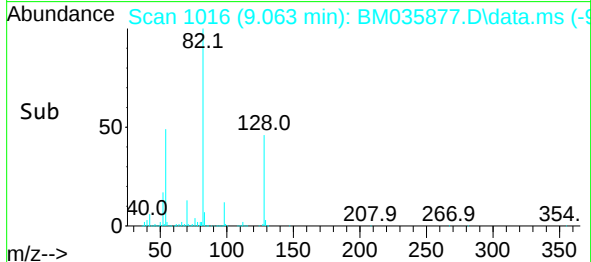
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 82 Resp: 2236640
Ion Ratio Lower Upper
82 100
128 45.5 33.7 50.5
54 48.7 43.2 64.8

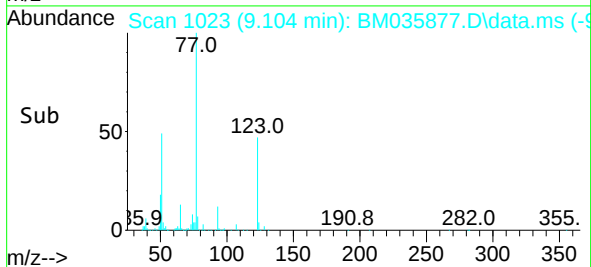
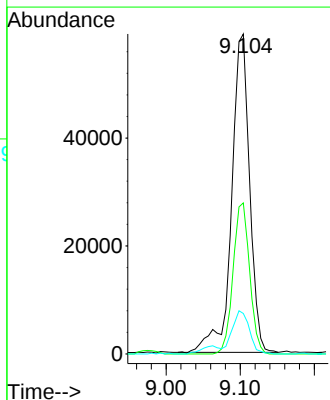
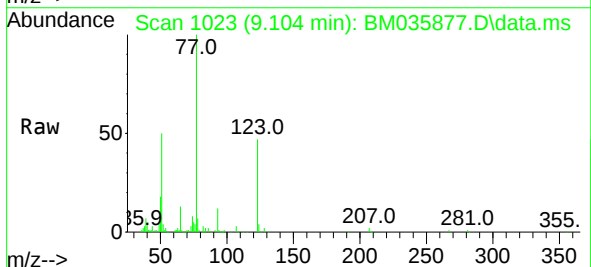
Manual Integrations
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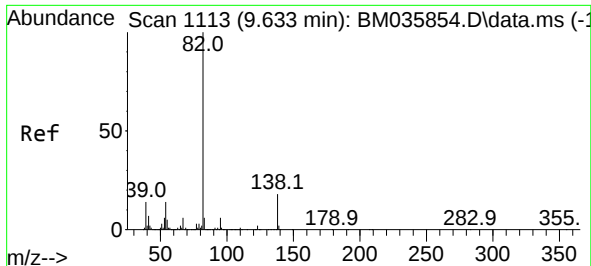
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#24
Nitrobenzene
Concen: 4.283 ng
RT: 9.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

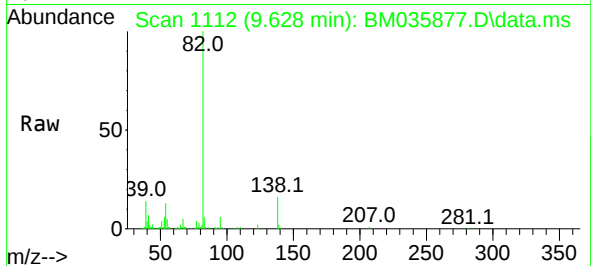
Tgt Ion: 77 Resp: 99611
Ion Ratio Lower Upper
77 100
123 47.2 36.2 54.4
65 12.6 11.4 17.0





#25
Isophorone
Concen: 4.082 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

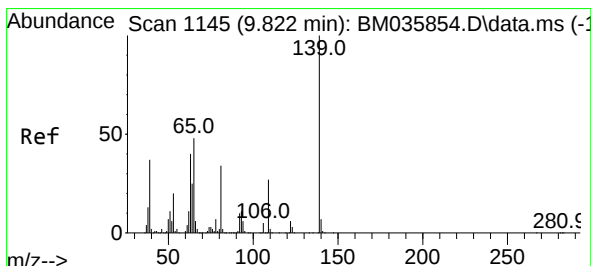
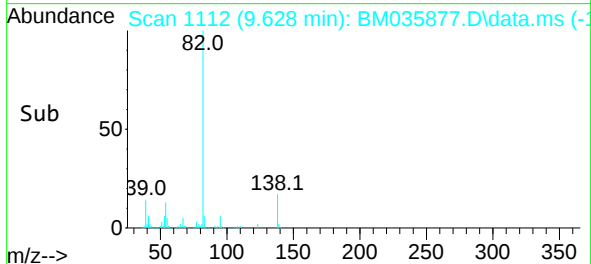
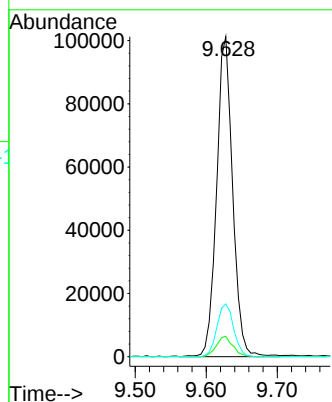
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 82 Resp: 158134
Ion Ratio Lower Upper
82 100
95 6.4 6.4 9.6
138 16.5 14.2 21.4

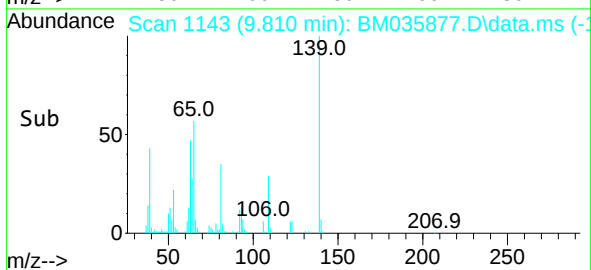
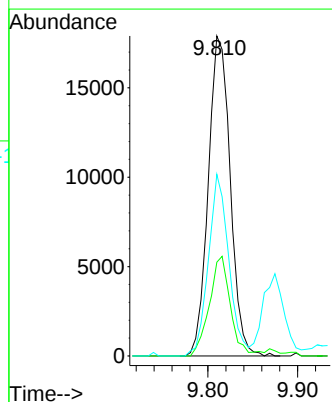
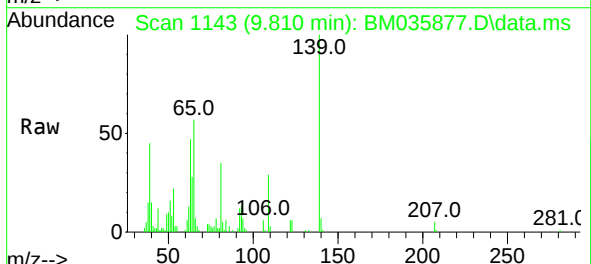
Manual Integrations
APPROVED

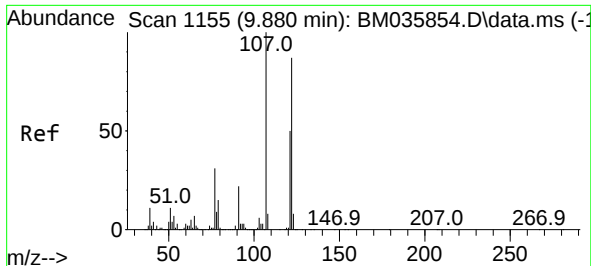
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#26
2-Nitrophenol
Concen: 2.903 ng
RT: 9.810 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

Tgt Ion:139 Resp: 30421
Ion Ratio Lower Upper
139 100
109 29.3 25.6 38.4
65 56.8 43.2 64.8





#27

2,4-Dimethylphenol

Concen: 4.196 ng

RT: 9.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BM035877.D

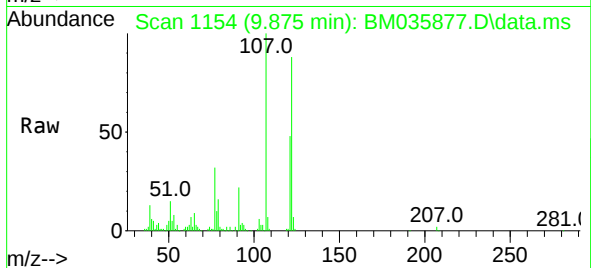
Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



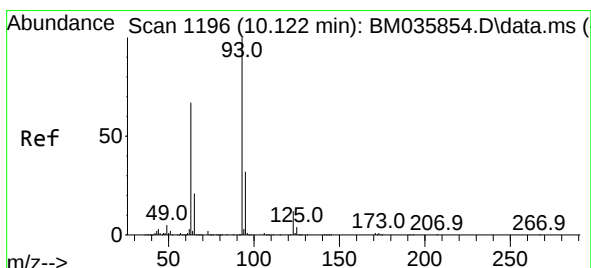
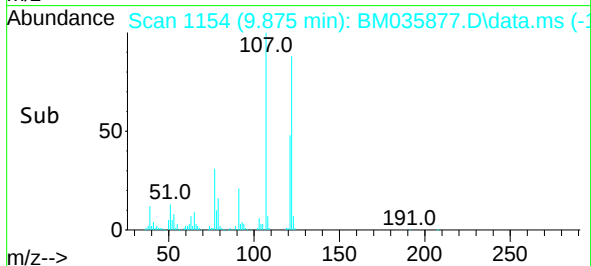
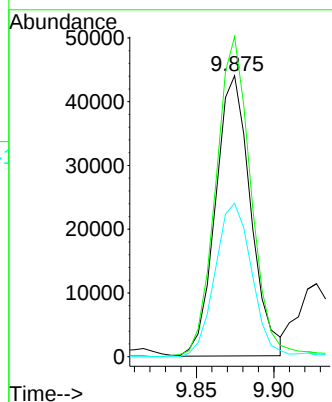
Tgt Ion:	122	Resp:	69340
Ion	Ratio	Lower	Upper
122	100		
107	113.9	92.4	138.6
121	54.6	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.912 ng

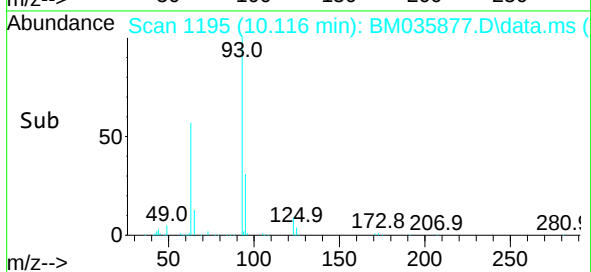
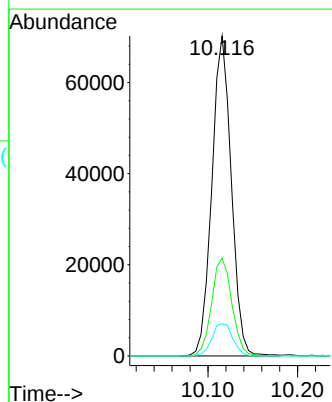
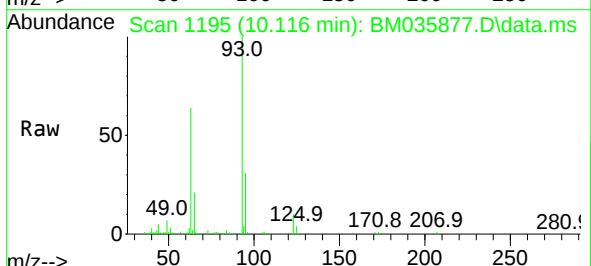
RT: 10.116 min Scan# 1195

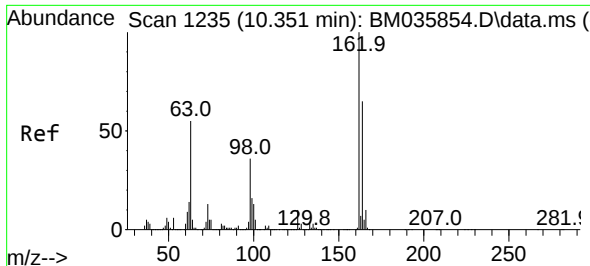
Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

Tgt Ion:	93	Resp:	105478
Ion	Ratio	Lower	Upper
93	100		
95	30.5	26.1	39.1
123	10.0	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 3.279 ng

RT: 10.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM035877.D

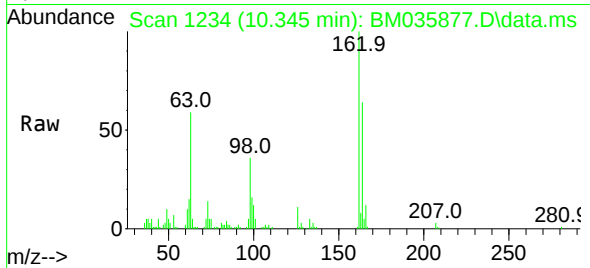
Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



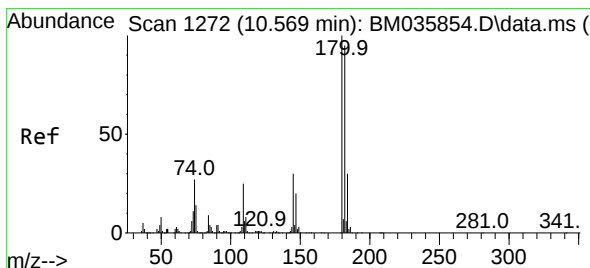
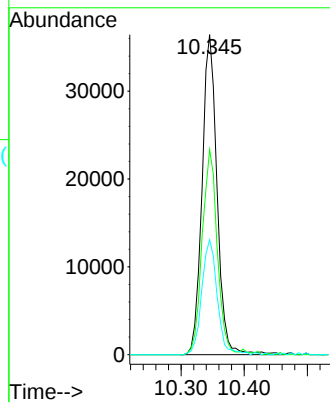
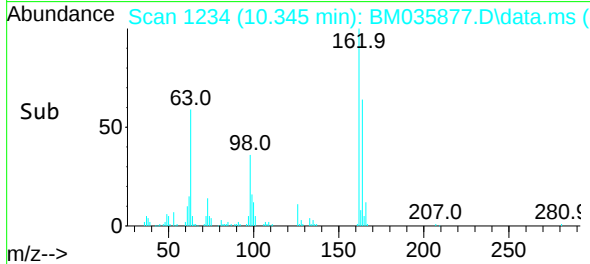
Tgt Ion:	162	Resp:	6009
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.2	84.2
98	35.9	15.0	55.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.685 ng

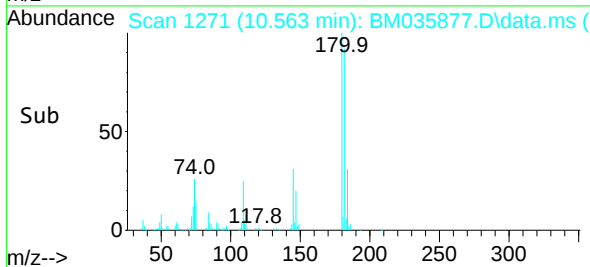
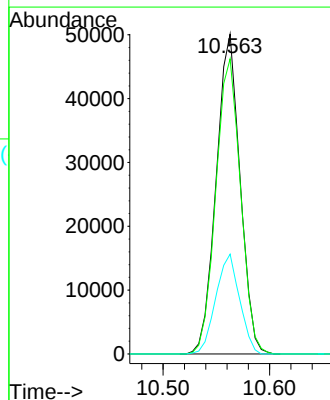
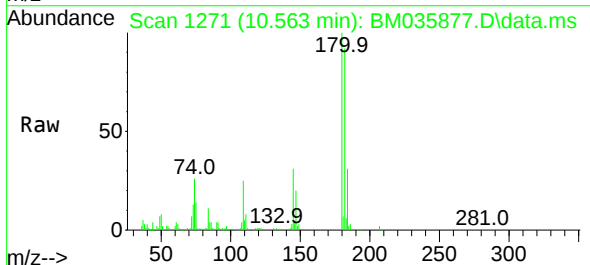
RT: 10.563 min Scan# 1271

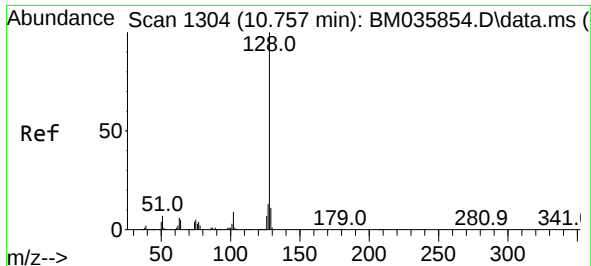
Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

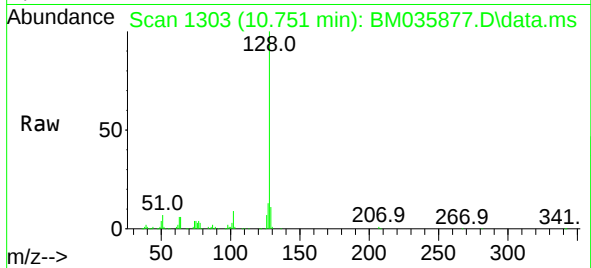
Tgt Ion:	180	Resp:	77938
Ion Ratio	Lower	Upper	
180	100		
182	92.2	77.9	116.9
145	31.2	25.0	37.6





#31
Naphthalene
Concen: 4.026 ng
RT: 10.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

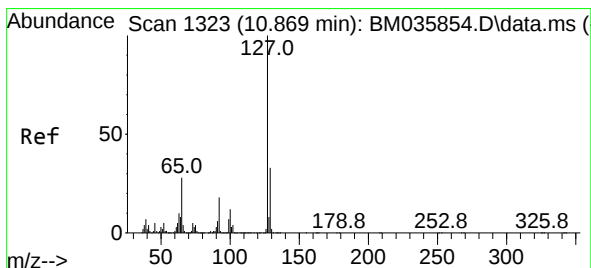
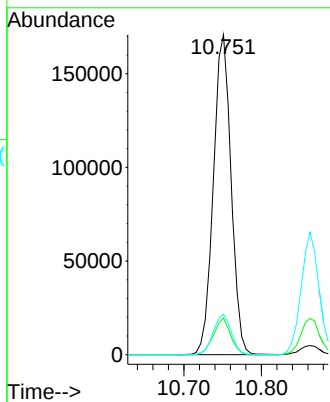
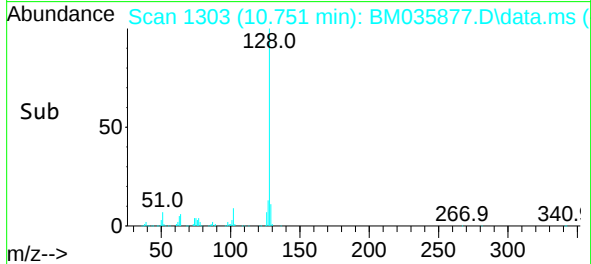
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:128 Resp: 27091
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 12.6 10.6 16.0

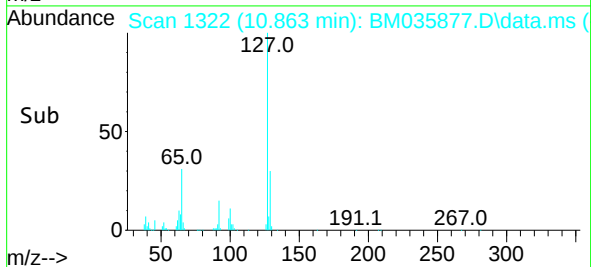
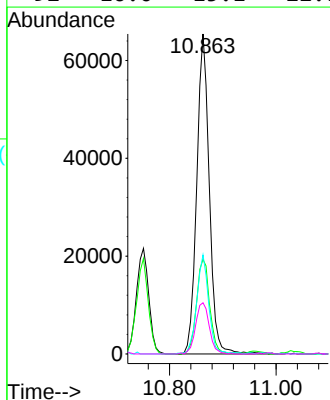
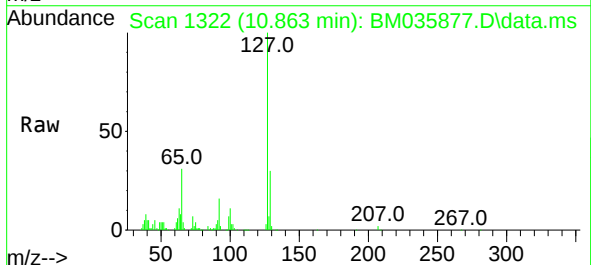
Manual Integrations
APPROVED

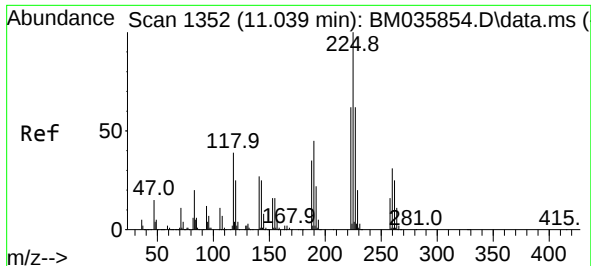
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#33
4-Chloroaniline
Concen: 3.979 ng
RT: 10.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

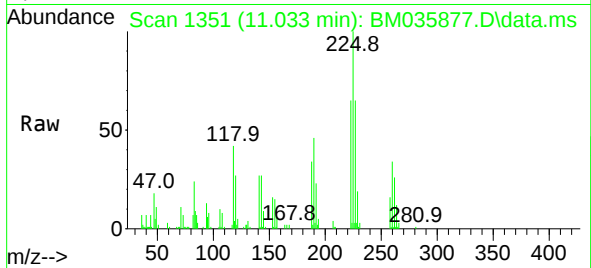
Tgt Ion:127 Resp: 107119
Ion Ratio Lower Upper
127 100
129 29.6 25.7 38.5
65 31.0 26.6 40.0
92 16.0 15.1 22.7





#34
Hexachlorobutadiene
Concen: 3.579 ng
RT: 11.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

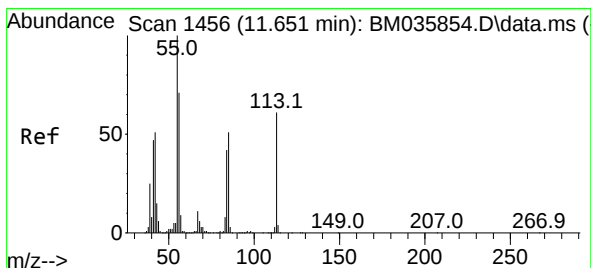
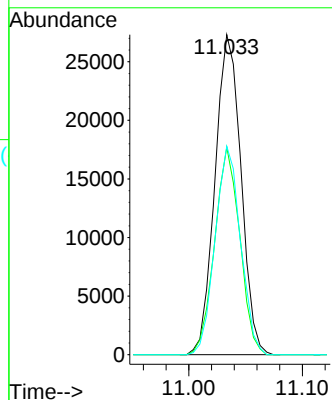
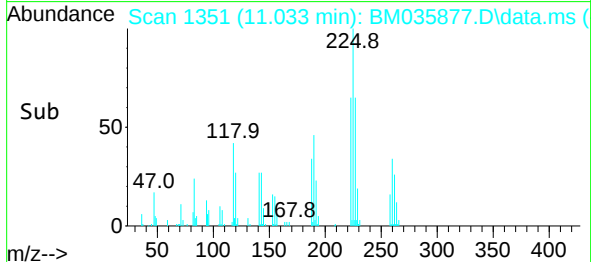
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:225 Resp: 4344
Ion Ratio Lower Upper
225 100
223 64.8 50.8 76.2
227 67.9 52.7 79.1

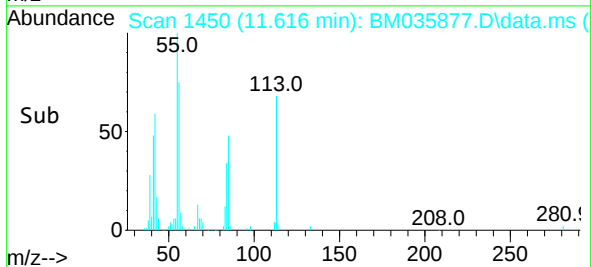
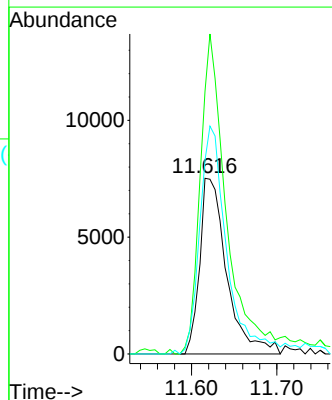
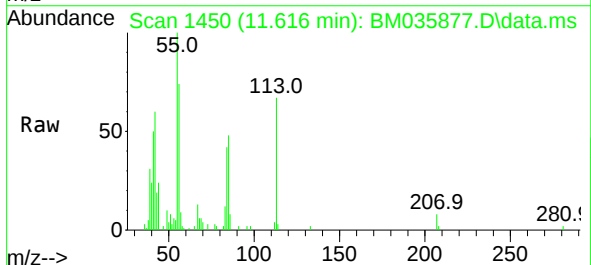
Manual Integrations
APPROVED

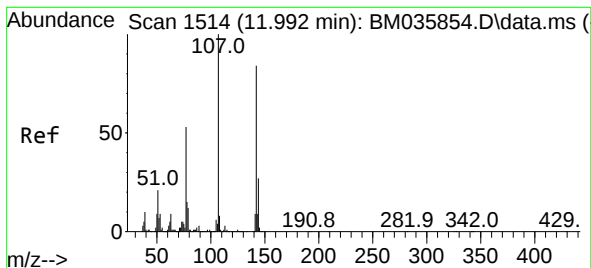
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#35
Caprolactam
Concen: 2.951 ng
RT: 11.616 min Scan# 1450
Delta R.T. -0.035 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

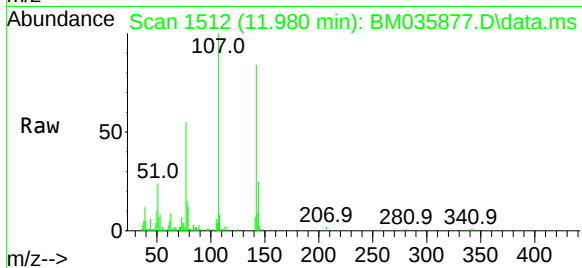
Tgt Ion:113 Resp: 16536
Ion Ratio Lower Upper
113 100
55 149.5 150.1 190.1#
56 110.2 111.7 151.7#





#36
4-Chloro-3-methylphenol
Concen: 3.582 ng
RT: 11.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

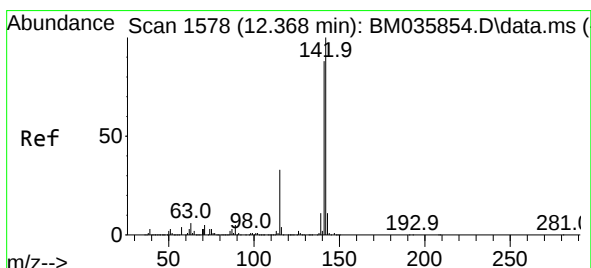
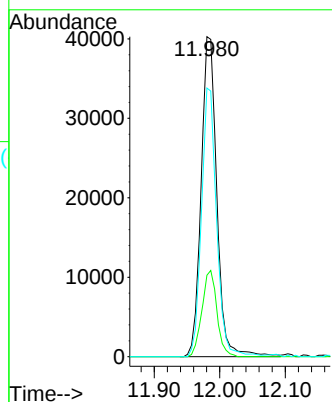
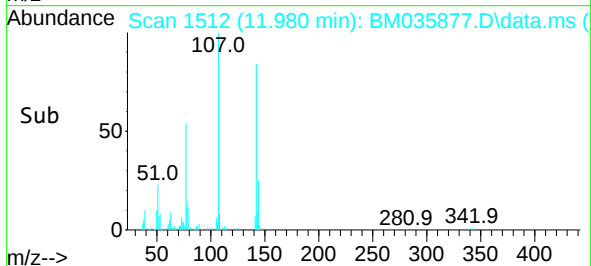
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



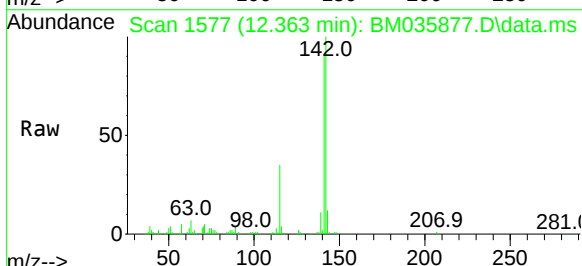
Tgt Ion:107 Resp: 67312
Ion Ratio Lower Upper
107 100
144 25.5 21.4 32.0
142 84.0 66.7 100.1

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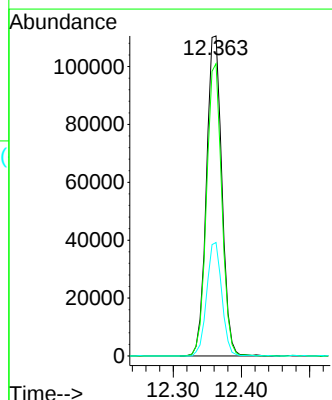
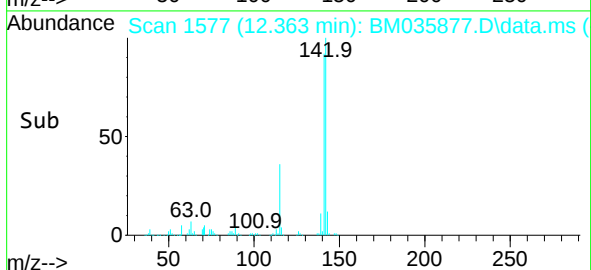
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

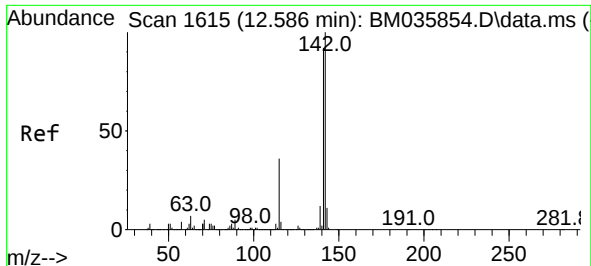


#37
2-Methylnaphthalene
Concen: 3.975 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



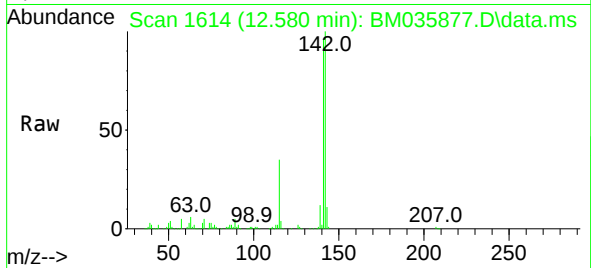
Tgt Ion:142 Resp: 174015
Ion Ratio Lower Upper
142 100
141 91.3 72.4 108.6
115 35.5 29.6 44.4





#38
1-Methylnaphthalene
Concen: 3.996 ng
RT: 12.580 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

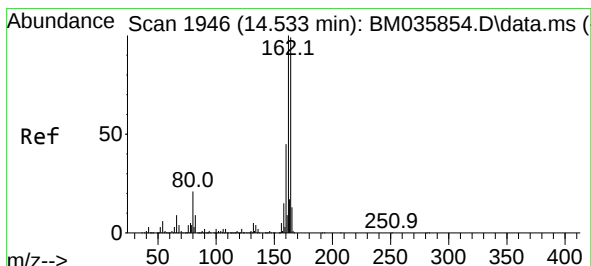
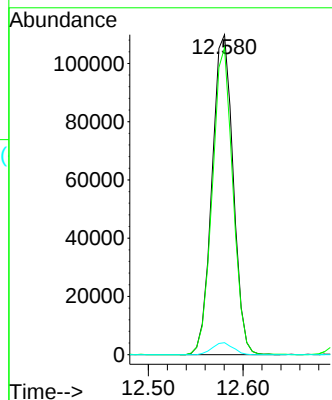
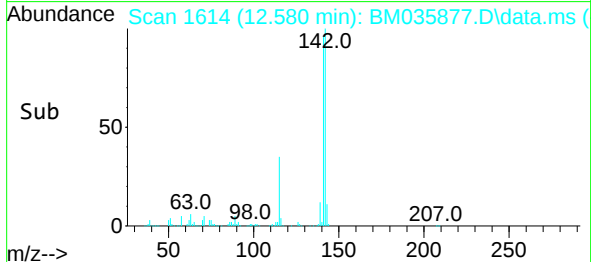
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



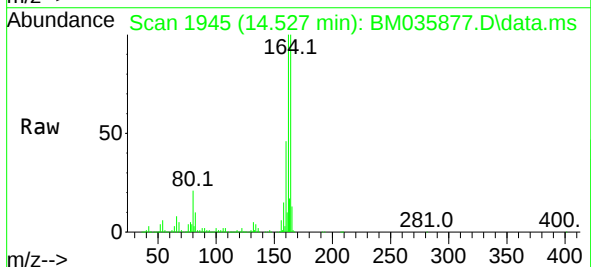
Tgt Ion:142 Resp: 17027
Ion Ratio Lower Upper
142 100
141 96.0 75.0 112.4
116 3.7 3.4 5.2

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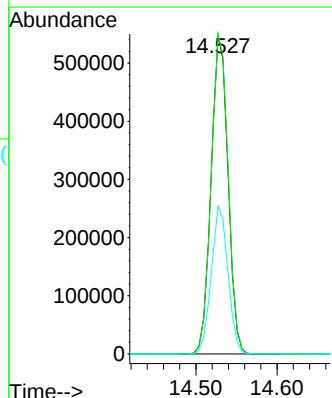
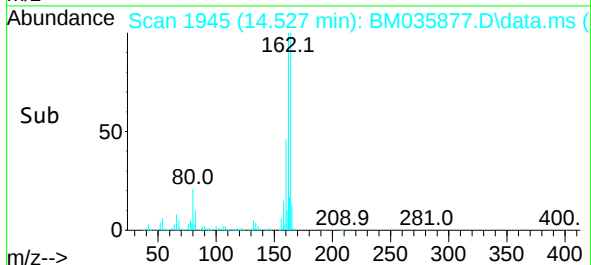
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

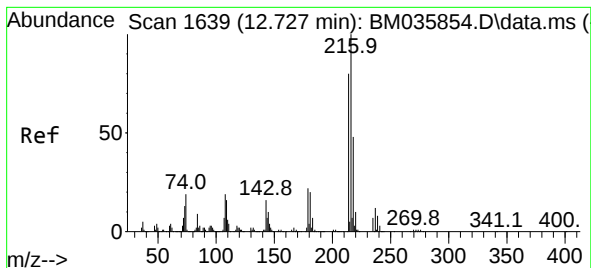


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



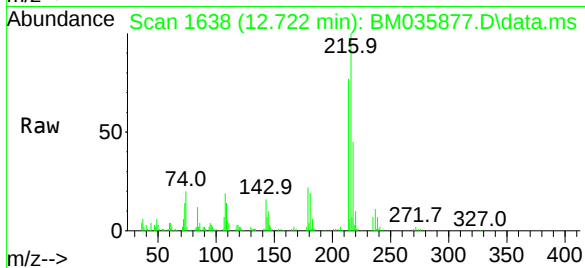
Tgt Ion:164 Resp: 789954
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 46.3 37.0 55.4





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.691 ng
RT: 12.722 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

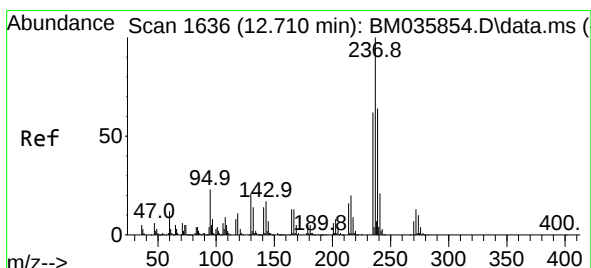
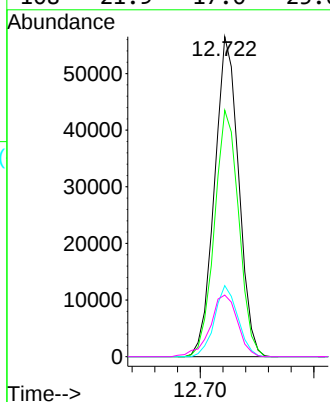
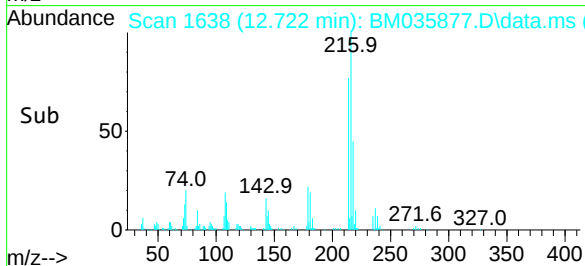
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



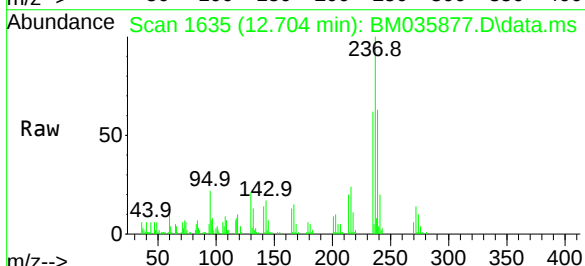
Tgt Ion: 216 Resp: 8329
Ion Ratio Lower Upper
216 100
214 77.6 62.6 94.0
179 21.4 18.2 27.2
108 21.9 17.0 25.6

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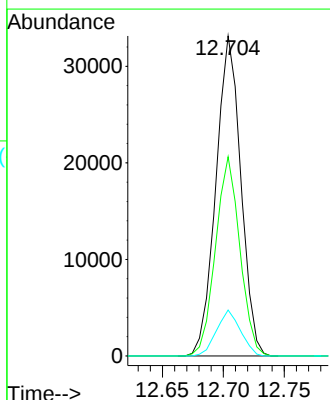
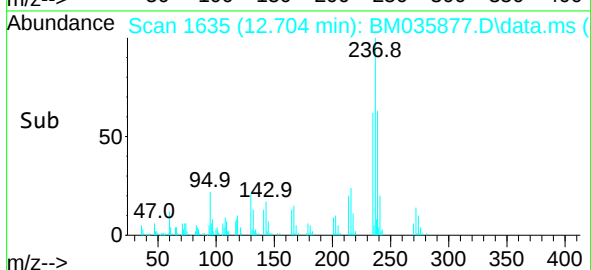
Reviewed By : Christian Giraldo 07/21/2022
Supervised By : Jagrut Upadhyay 07/21/2022

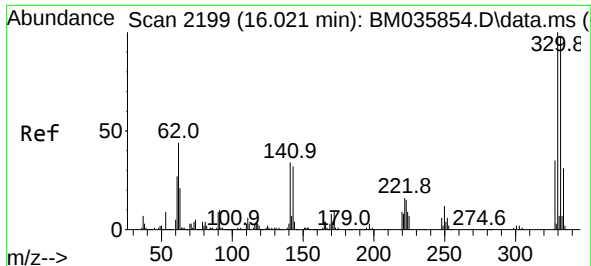


#41
Hexachlorocyclopentadiene
Concen: 3.883 ng
RT: 12.704 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



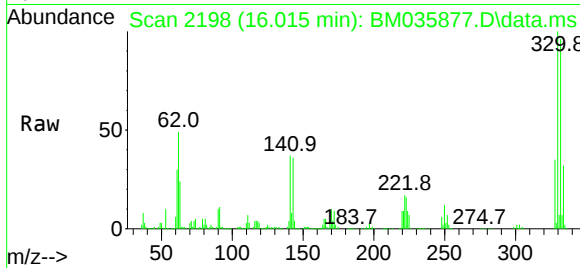
Tgt Ion: 237 Resp: 47236
Ion Ratio Lower Upper
237 100
235 62.2 43.8 83.8
272 14.3 0.0 32.5





#42
2,4,6-Tribromophenol
Concen: 120.064 ng
RT: 16.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

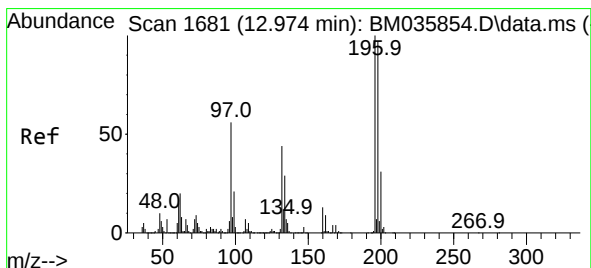
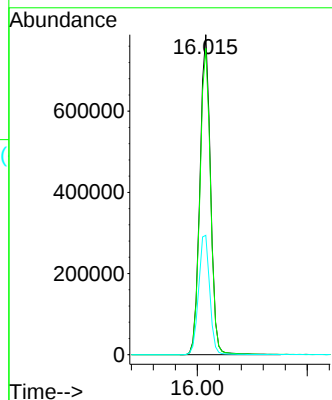
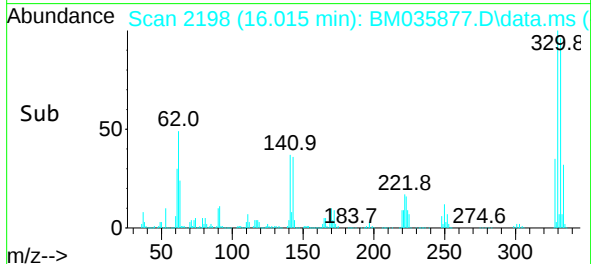
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



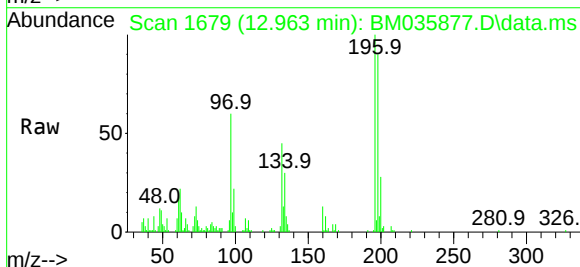
Tgt Ion:330 Resp: 1060890
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 39.0 35.3 52.9

Manual Integrations
APPROVED

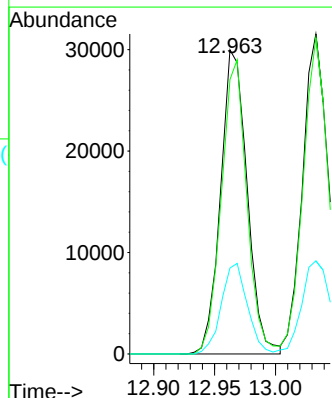
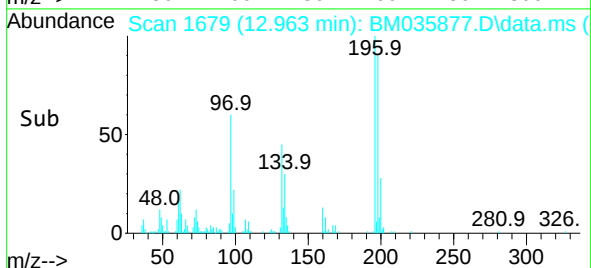
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

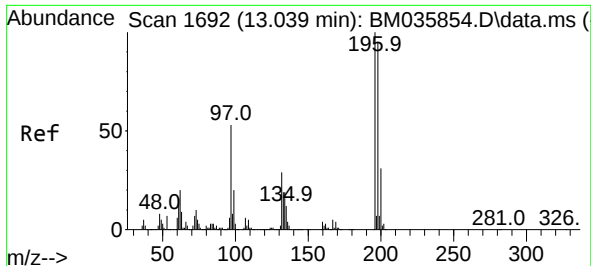


#43
2,4,6-Trichlorophenol
Concen: 3.054 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



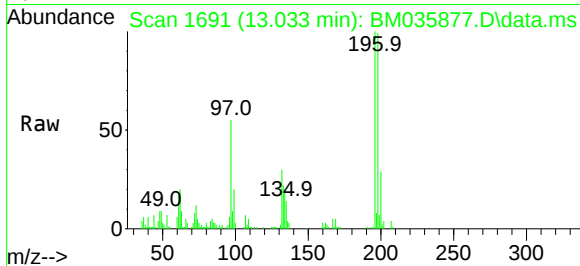
Tgt Ion:196 Resp: 45558
Ion Ratio Lower Upper
196 100
198 90.3 75.8 113.6
200 28.3 24.9 37.3





#44
2,4,5-Trichlorophenol
Concen: 3.123 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

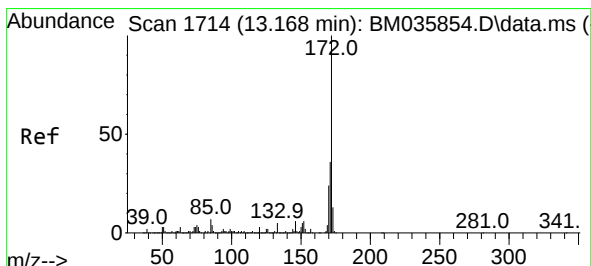
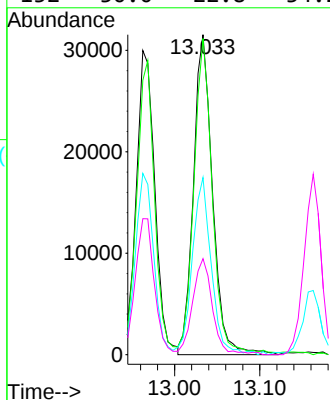
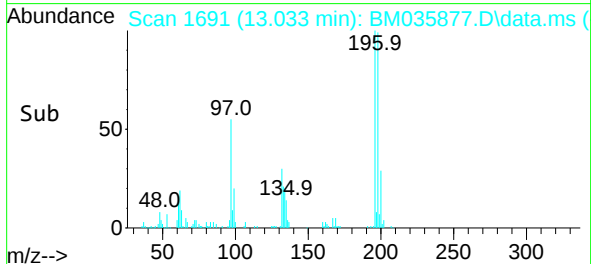
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



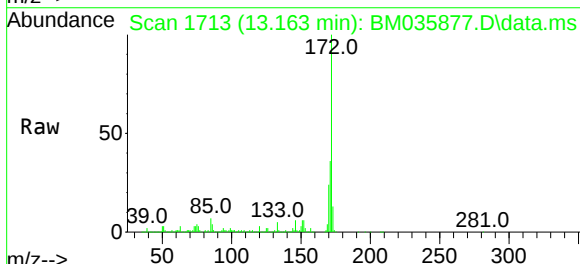
Tgt Ion:196 Resp: 49119
Ion Ratio Lower Upper
196 100
198 98.8 77.8 116.6
97 55.3 43.4 65.2
132 30.0 22.8 34.2

Manual Integrations
APPROVED

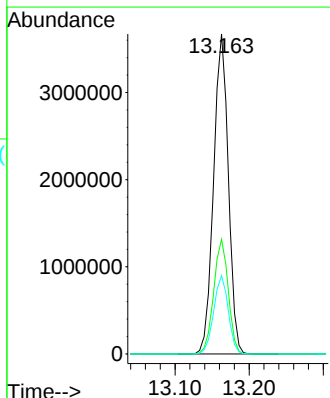
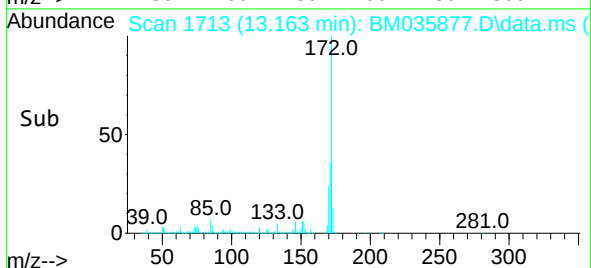
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

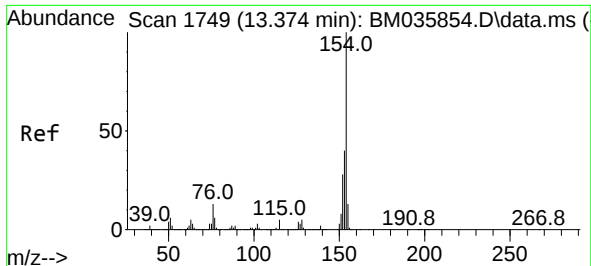


#45
2-Fluorobiphenyl
Concen: 90.647 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



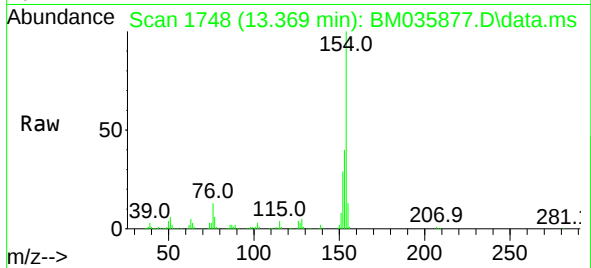
Tgt Ion:172 Resp: 5065889
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.5 18.7 28.1





#46
1,1'-Biphenyl
Concen: 3.917 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

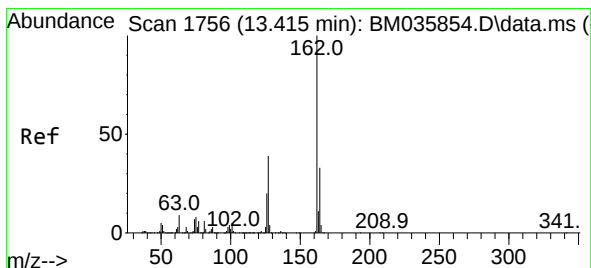
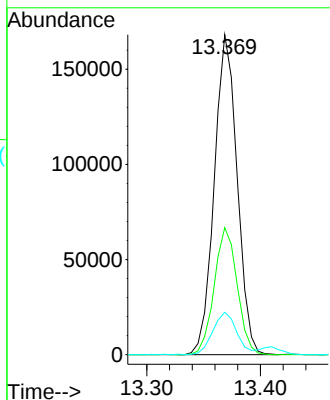
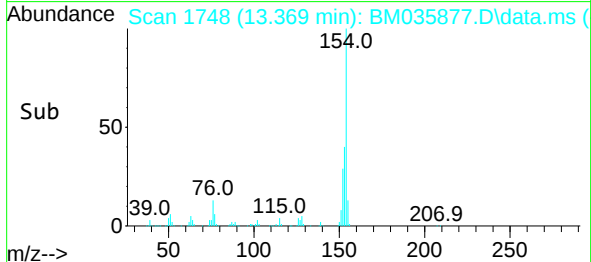
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



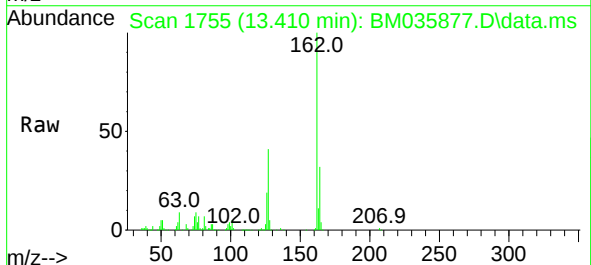
Tgt Ion:154 Resp: 23535
Ion Ratio Lower Upper
154 100
153 39.7 20.5 60.5
76 13.3 0.0 31.8

Manual Integrations
APPROVED

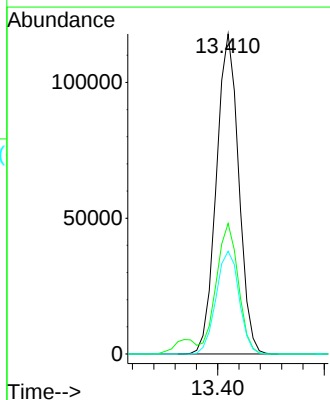
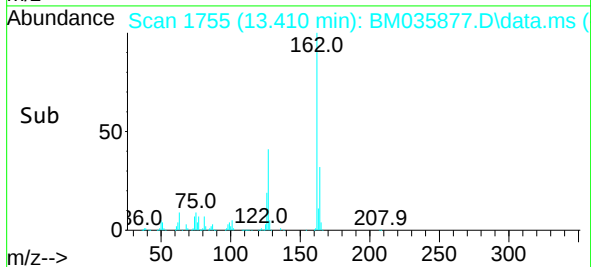
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

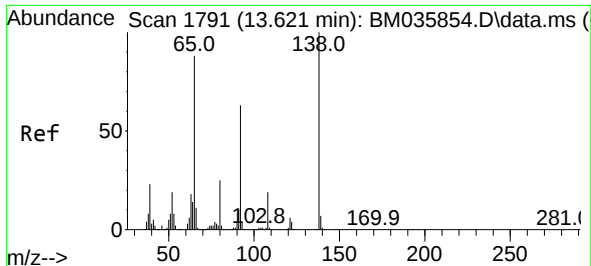


#47
2-Chloronaphthalene
Concen: 3.710 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



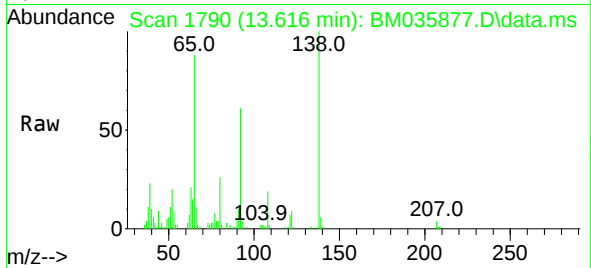
Tgt Ion:162 Resp: 171350
Ion Ratio Lower Upper
162 100
127 40.8 30.6 45.8
164 32.1 26.6 39.8





#48
2-Nitroaniline
Concen: 2.888 ng
RT: 13.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

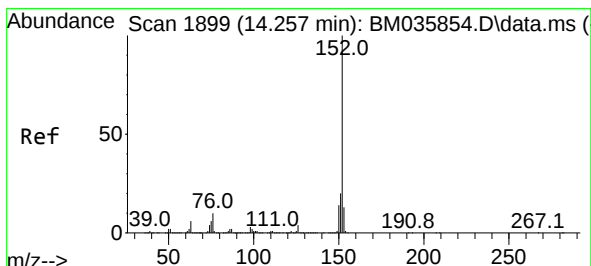
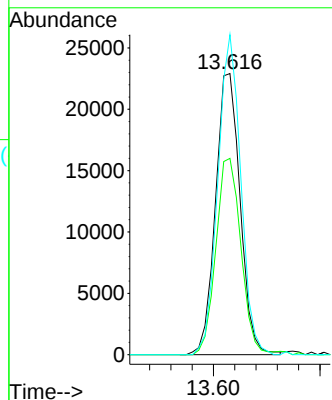
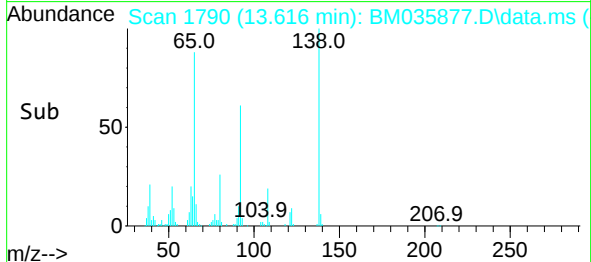
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



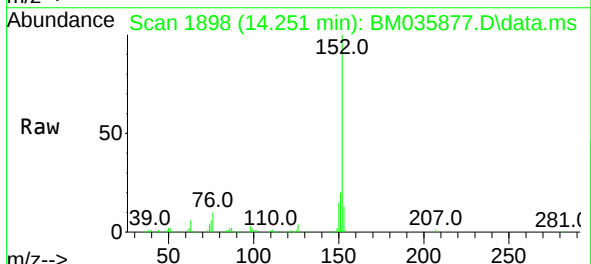
Tgt Ion: 65 Resp: 3675
Ion Ratio Lower Upper
65 100
92 69.8 53.7 80.5
138 113.8 83.9 125.9

Manual Integrations
APPROVED

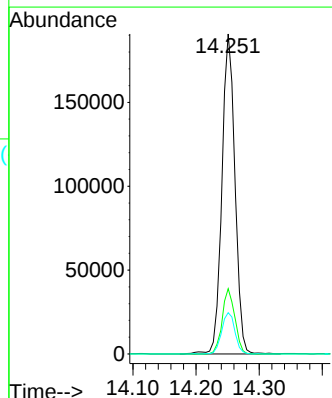
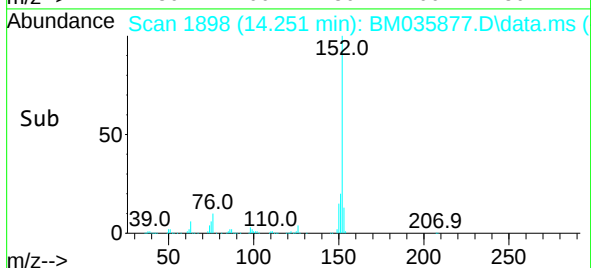
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

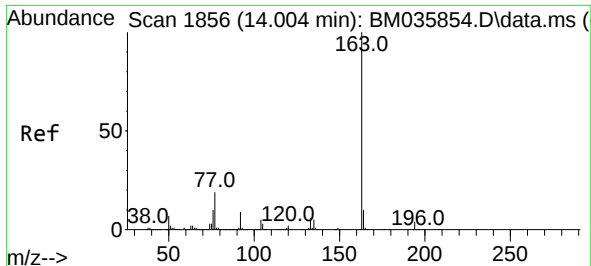


#49
Acenaphthylene
Concen: 3.863 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



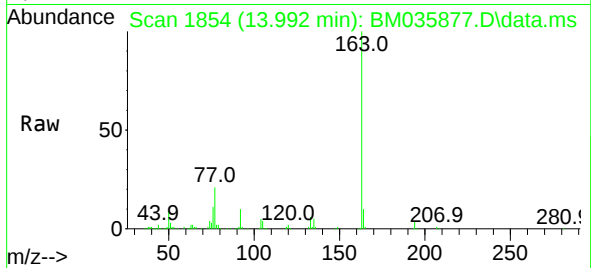
Tgt Ion:152 Resp: 274720
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 12.9 10.5 15.7





#50
Dimethylphthalate
Concen: 3.682 ng
RT: 13.992 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

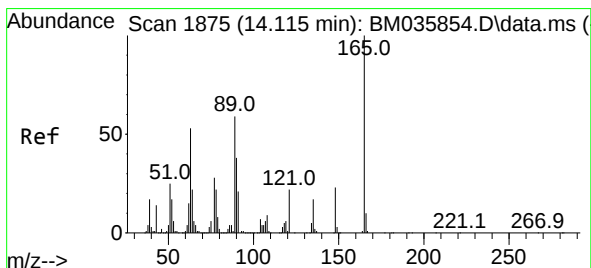
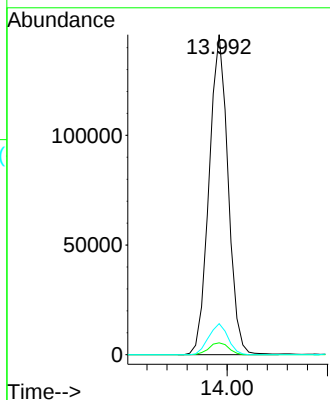
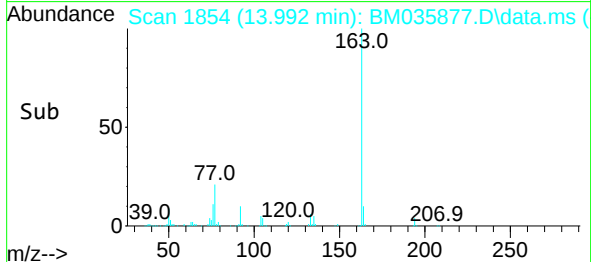
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:163 Resp: 191472
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.7 8.4 12.6

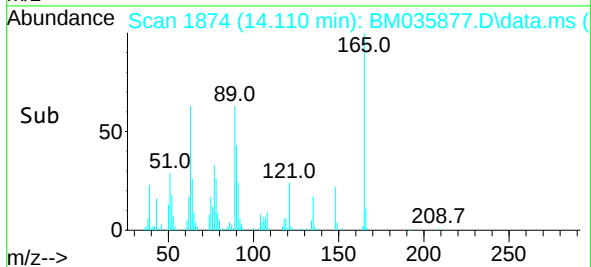
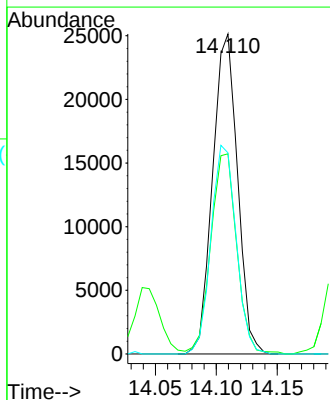
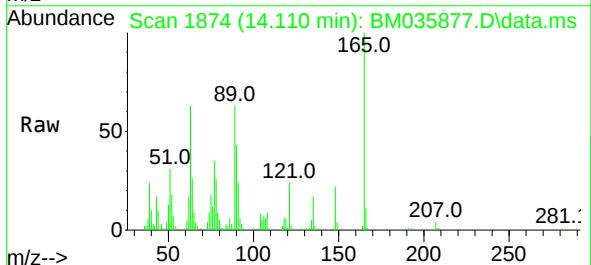
Manual Integrations
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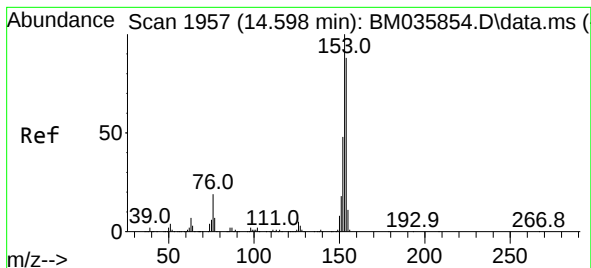
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#51
2,6-Dinitrotoluene
Concen: 3.282 ng
RT: 14.110 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

Tgt Ion:165 Resp: 35683
Ion Ratio Lower Upper
165 100
63 62.5 50.2 75.2
89 62.8 48.4 72.6





#52

Acenaphthene

Concen: 3.815 ng

RT: 14.592 min Scan# 1957

Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:154 Resp: 16254

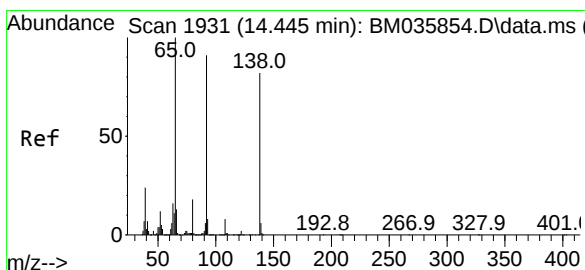
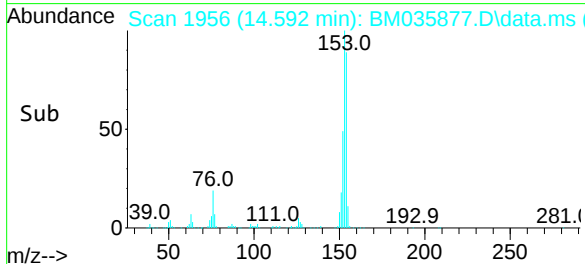
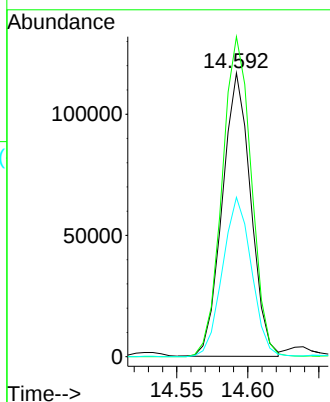
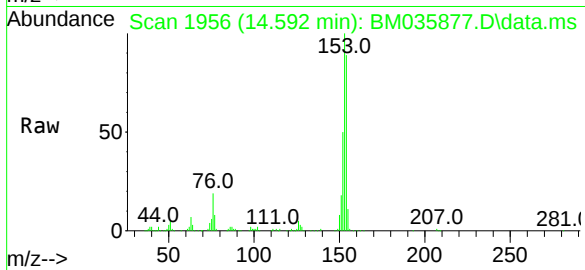
Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.0	136.6
152	56.1	43.4	65.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#53

3-Nitroaniline

Concen: 2.952 ng

RT: 14.433 min Scan# 1929

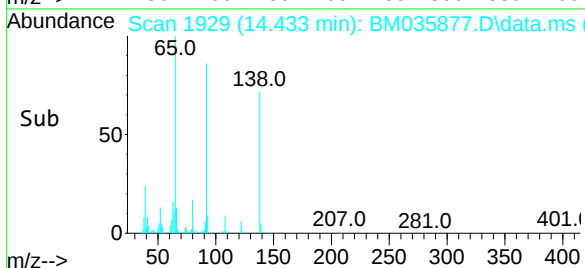
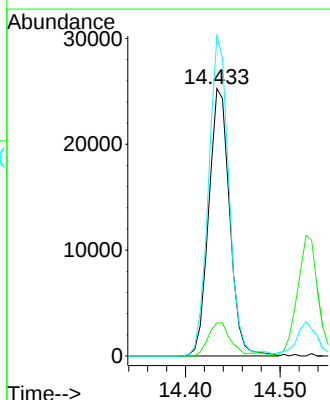
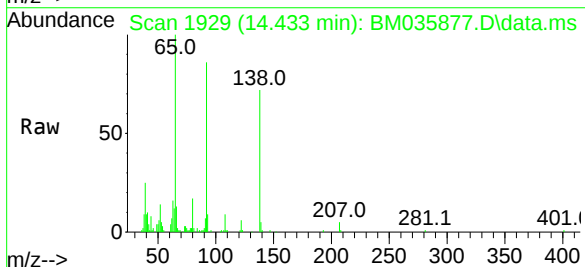
Delta R.T. -0.012 min

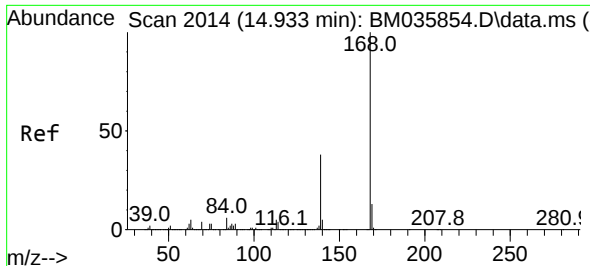
Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

Tgt Ion:138 Resp: 38644

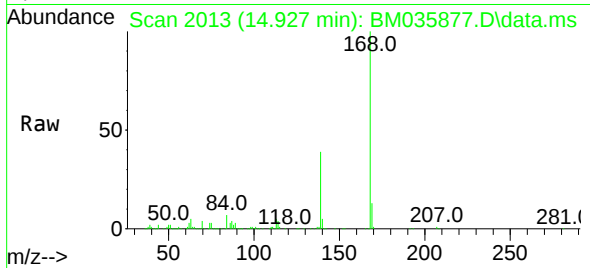
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.7	13.1
92	119.7	91.5	137.3





#55
Dibenzofuran
Concen: 3.798 ng
RT: 14.927 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

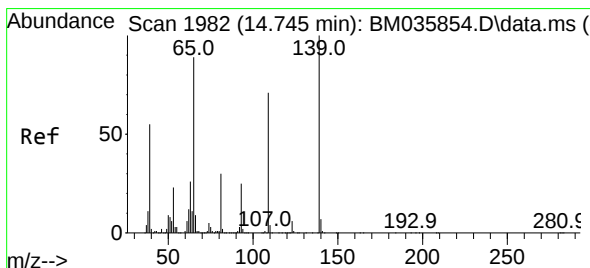
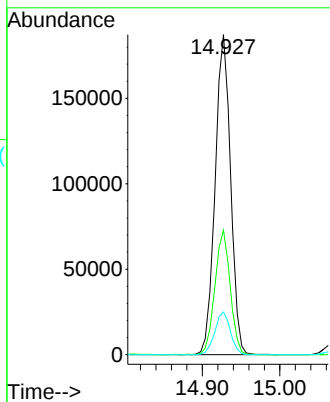
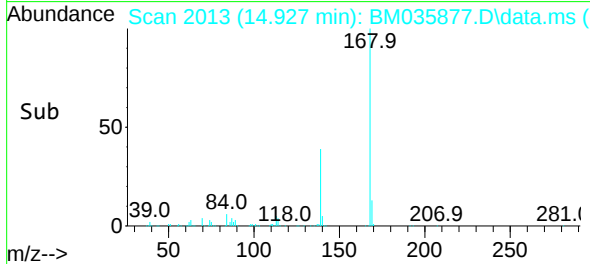
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



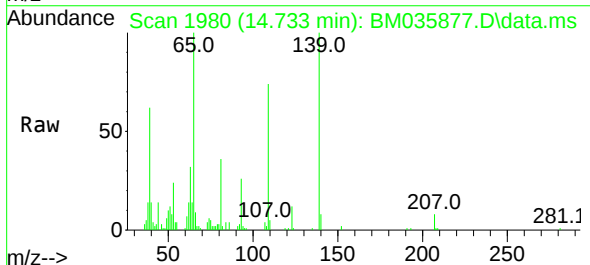
Tgt Ion:168 Resp: 259245
Ion Ratio Lower Upper
168 100
139 38.9 32.2 48.2
169 13.3 10.6 16.0

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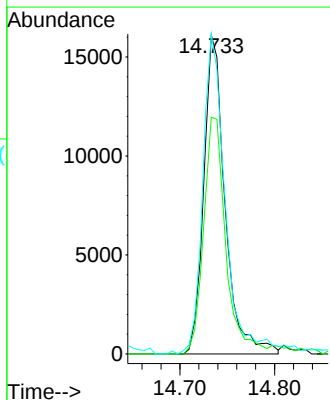
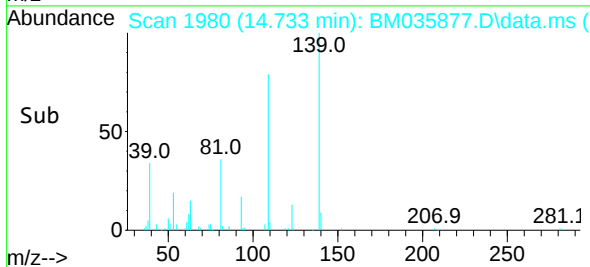
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

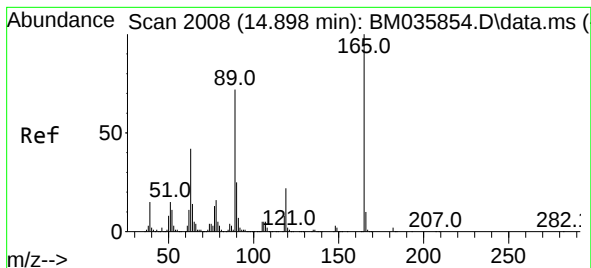


#56
4-Nitrophenol
Concen: 2.455 ng
RT: 14.733 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



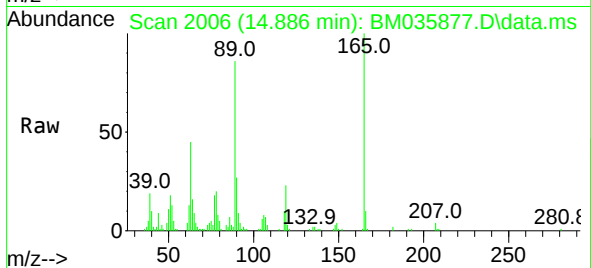
Tgt Ion:139 Resp: 25216
Ion Ratio Lower Upper
139 100
109 74.3 62.5 102.5
65 100.4 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 2.919 ng
RT: 14.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

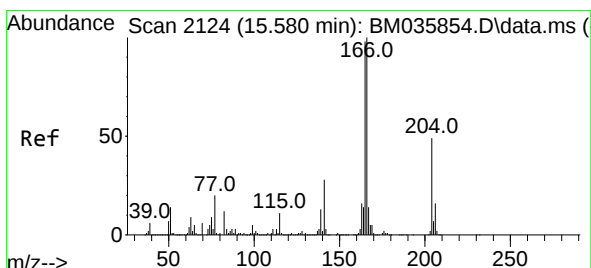
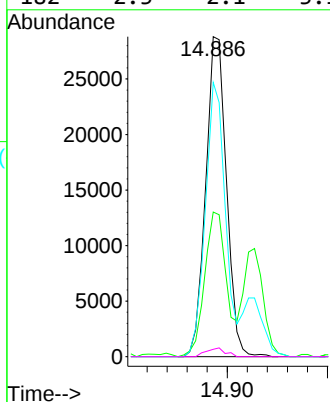
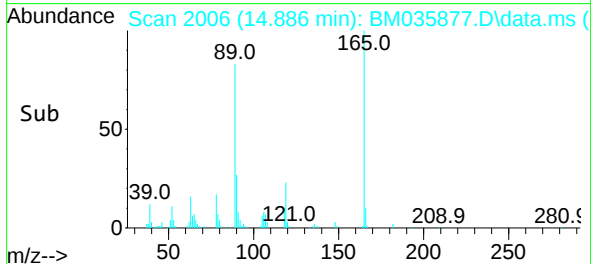
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:165 Resp: 41540
Ion Ratio Lower Upper
165 100
63 45.2 35.6 53.4
89 85.7 57.3 85.9
182 2.3 2.1 3.1

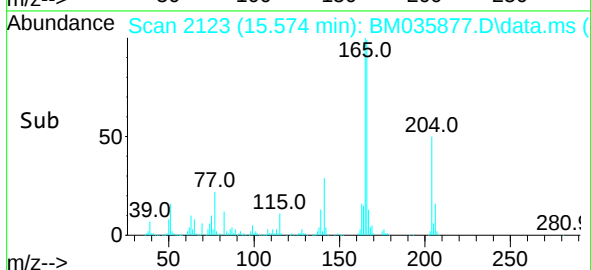
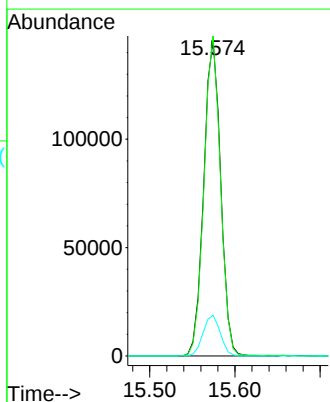
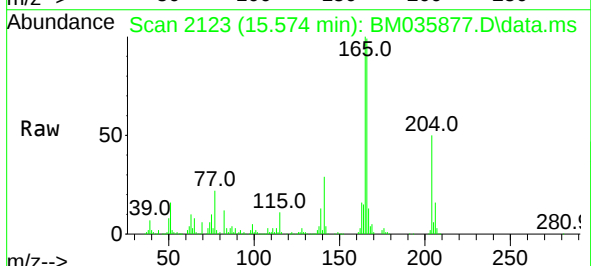
Manual Integrations
APPROVED

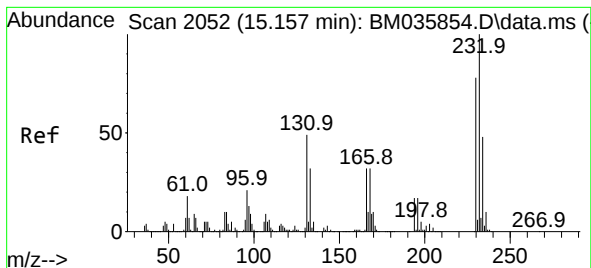
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#58
Fluorene
Concen: 3.752 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

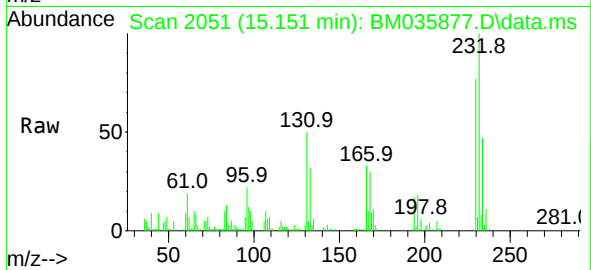
Tgt Ion:166 Resp: 201066
Ion Ratio Lower Upper
166 100
165 101.3 79.4 119.2
167 12.9 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.026 ng
RT: 15.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

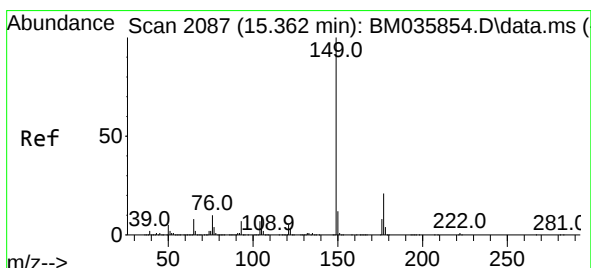
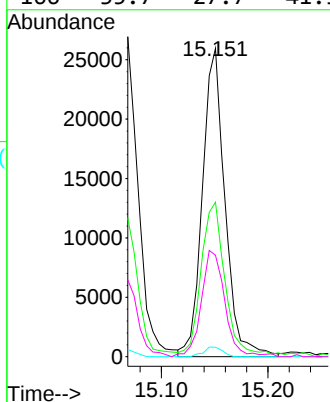
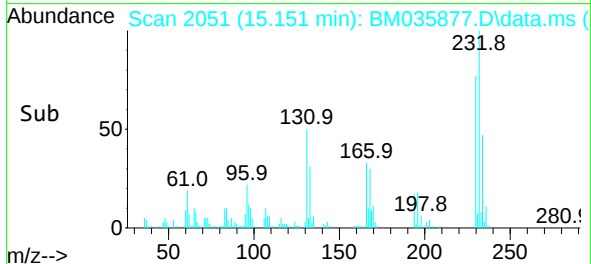
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



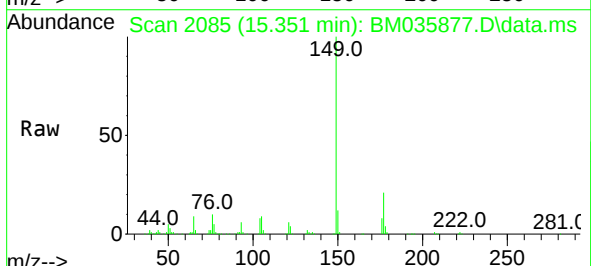
Tgt Ion:232 Resp: 38260
Ion Ratio Lower Upper
232 100
131 51.5 41.0 61.6
130 2.6 2.3 3.5
166 35.7 27.7 41.5

Manual Integrations
APPROVED

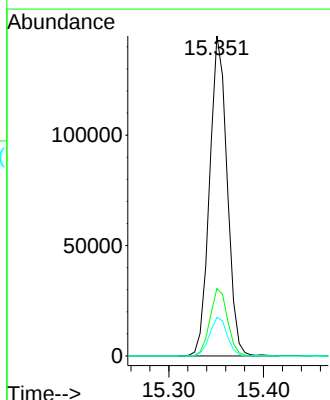
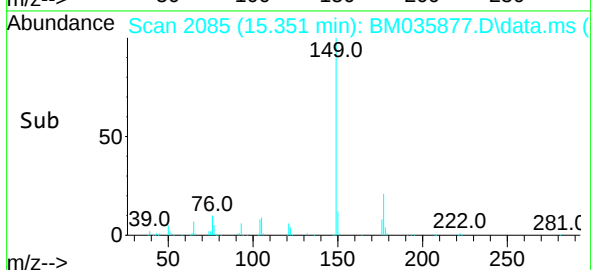
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

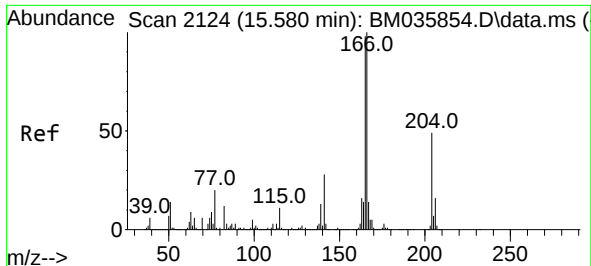


#60
Diethylphthalate
Concen: 3.613 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



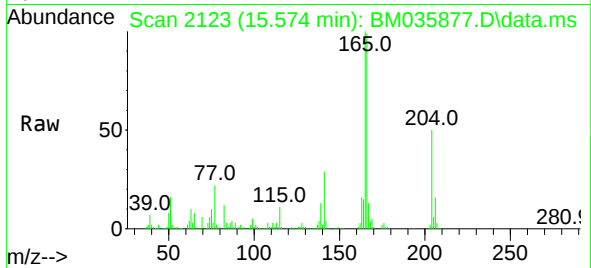
Tgt Ion:149 Resp: 186131
Ion Ratio Lower Upper
149 100
177 21.1 16.9 25.3
150 12.1 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 3.701 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

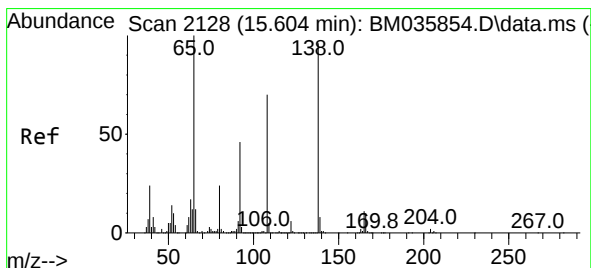
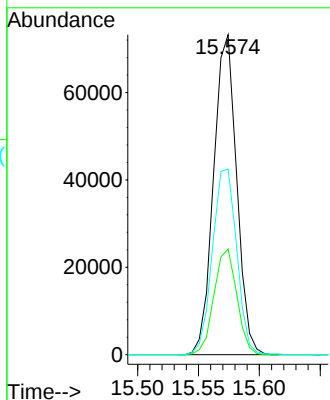
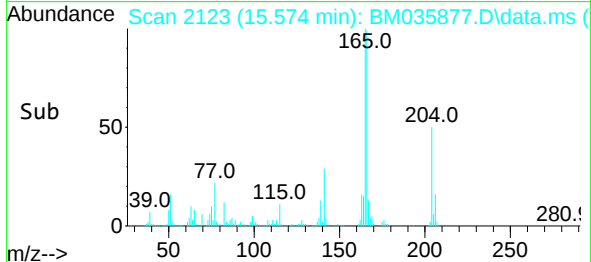
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:204 Resp: 96502
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 58.1 51.2 76.8

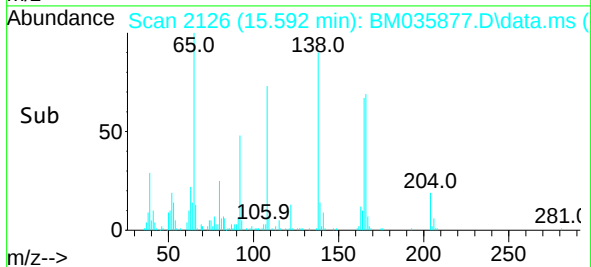
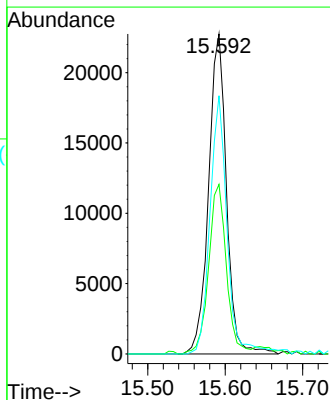
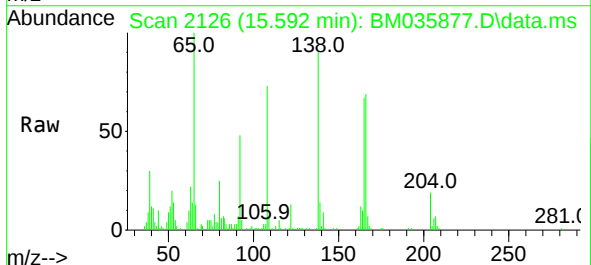
Manual Integrations
APPROVED

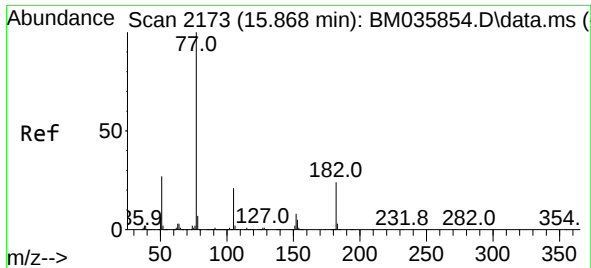
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#62
4-Nitroaniline
Concen: 2.725 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

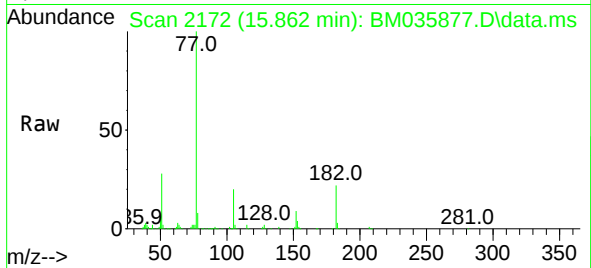
Tgt Ion:138 Resp: 36520
Ion Ratio Lower Upper
138 100
92 53.0 30.8 70.8
108 80.7 65.7 105.7





#63
Azobenzene
Concen: 3.455 ng
RT: 15.862 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

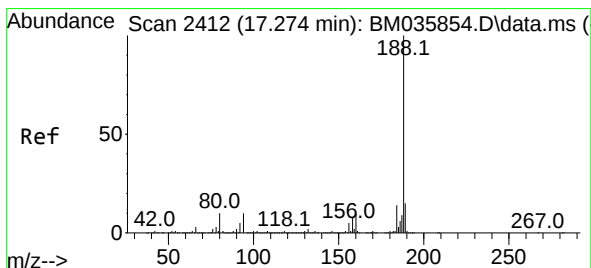
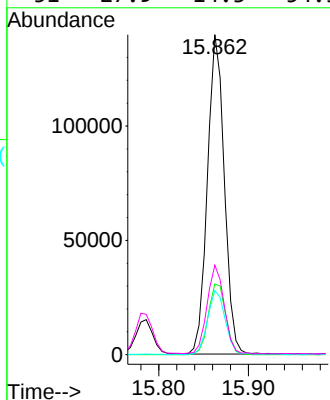
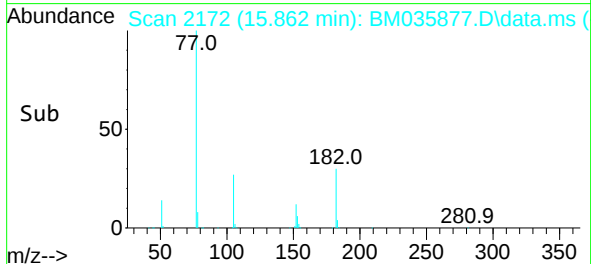
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



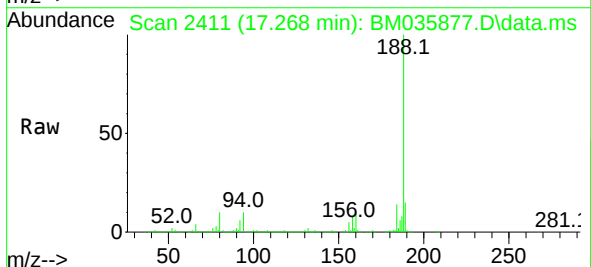
Tgt Ion: 77 Resp: 182770
Ion Ratio Lower Upper
77 100
182 22.1 4.9 44.9
105 20.0 0.0 39.6
51 27.9 14.3 54.3

Manual Integrations
APPROVED

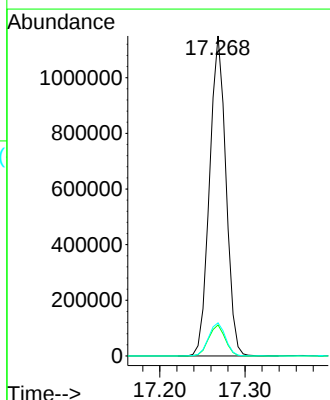
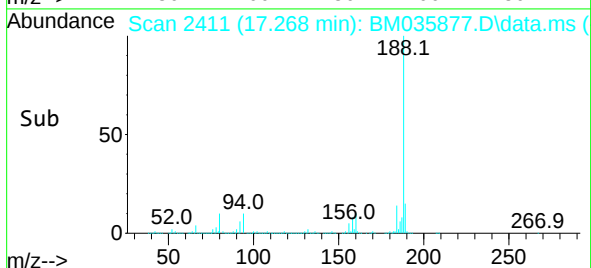
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

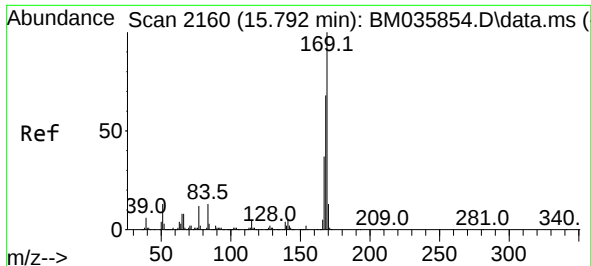


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



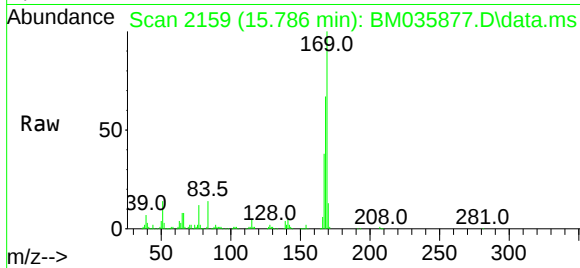
Tgt Ion:188 Resp: 1539099
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.3 7.6 11.4





#66
n-Nitrosodiphenylamine
Concen: 3.563 ng
RT: 15.786 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

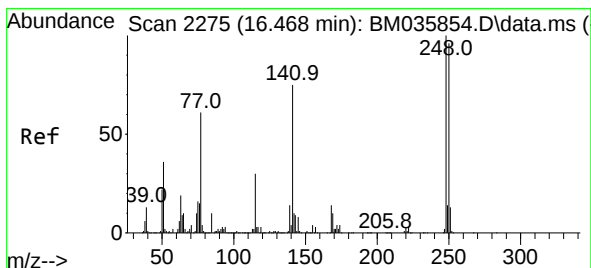
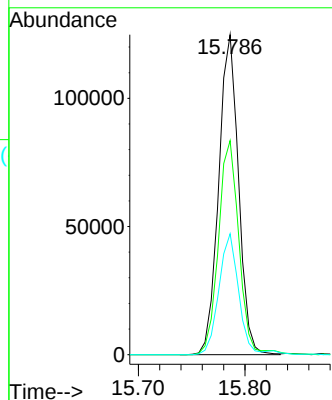
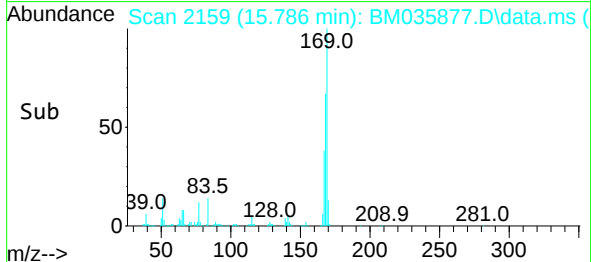
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:169 Resp: 161032
Ion Ratio Lower Upper
169 100
168 66.9 54.3 81.5
167 37.8 29.4 44.0

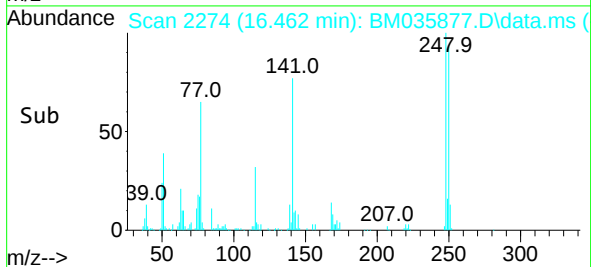
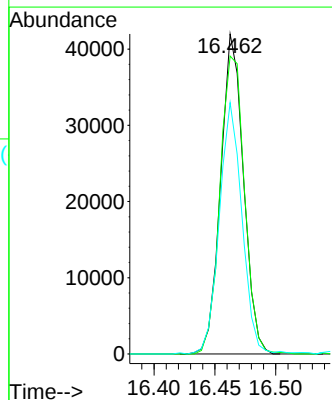
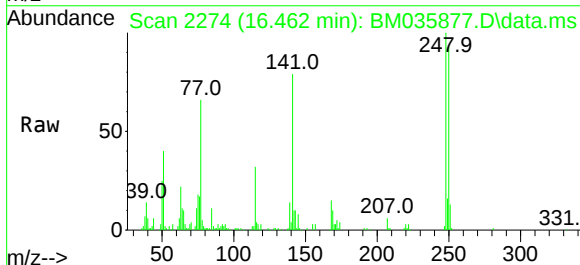
Manual Integrations
APPROVED

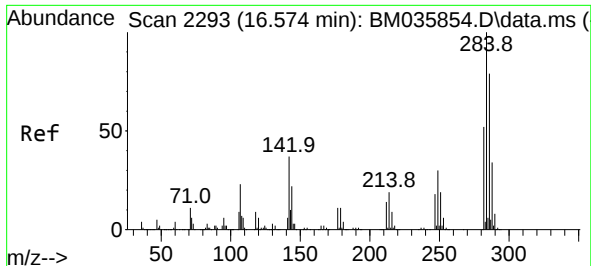
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#67
4-Bromophenyl-phenylether
Concen: 3.538 ng
RT: 16.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

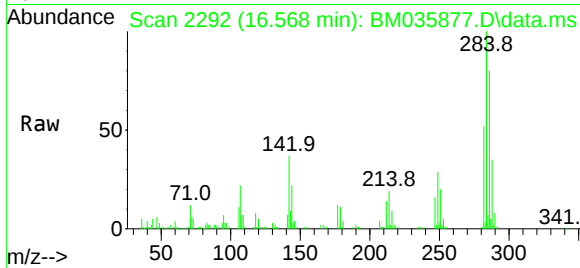
Tgt Ion:248 Resp: 54739
Ion Ratio Lower Upper
248 100
250 93.1 78.0 117.0
141 78.5 66.0 99.0





#68
Hexachlorobenzene
Concen: 3.687 ng
RT: 16.568 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

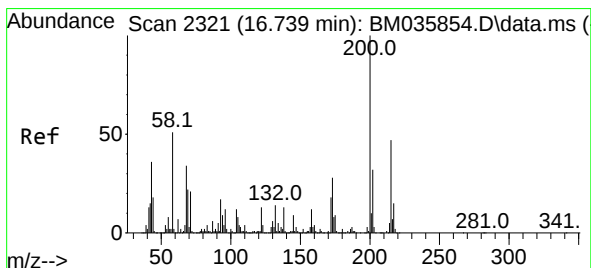
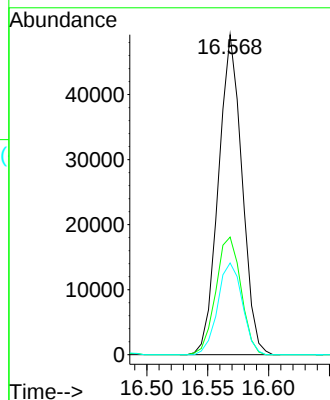
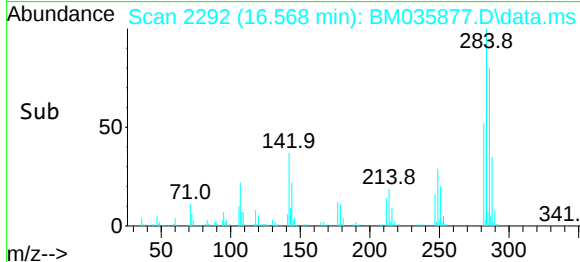
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



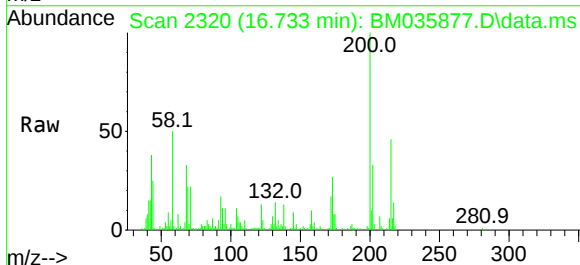
Tgt Ion:284 Resp: 66218
Ion Ratio Lower Upper
284 100
142 36.8 33.6 50.4
249 28.6 26.2 39.2

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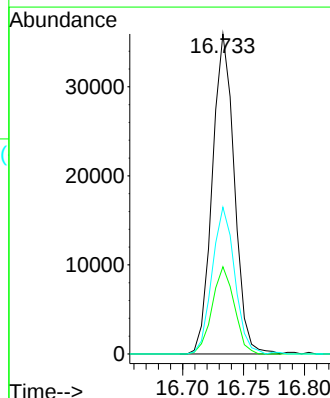
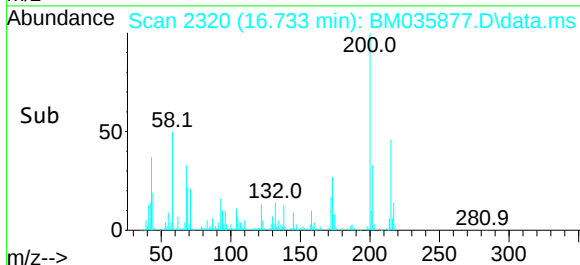
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

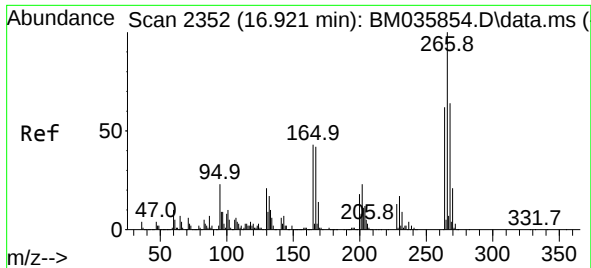


#69
Atrazine
Concen: 3.800 ng
RT: 16.733 min Scan# 2320
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



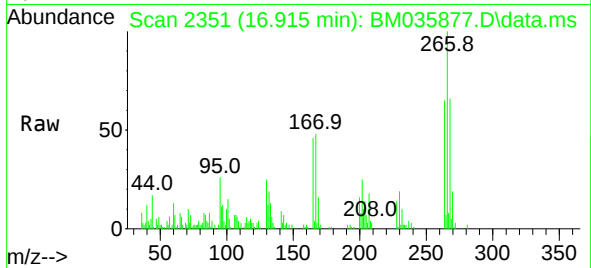
Tgt Ion:200 Resp: 45128
Ion Ratio Lower Upper
200 100
173 27.3 6.6 46.6
215 45.9 26.2 66.2





#70
 Pentachlorophenol
 Concen: 2.434 ng
 RT: 16.915 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035877.D
 Acq: 20 Jul 2022 12:14

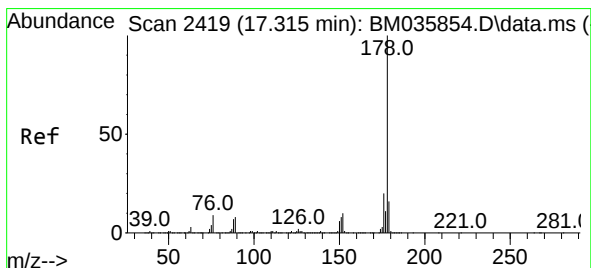
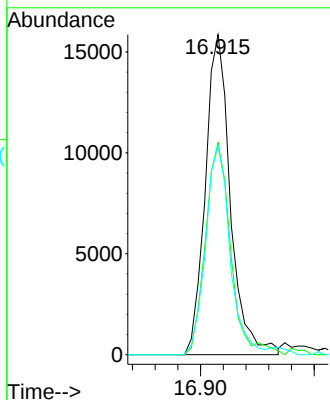
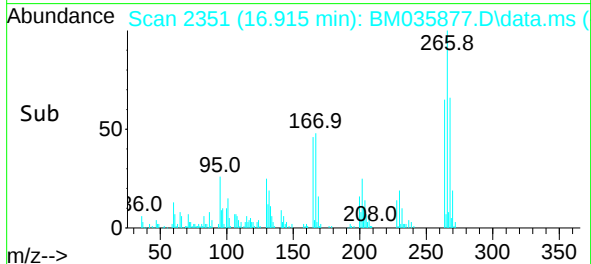
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



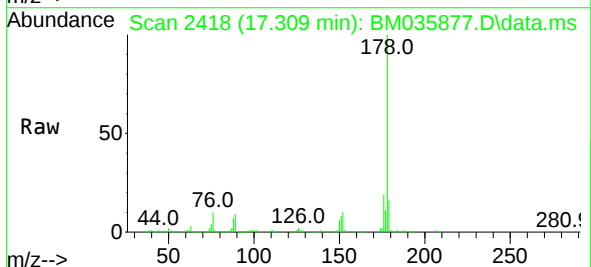
Tgt Ion:266 Resp: 2426
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.9 77.9
 264 65.2 50.6 76.0

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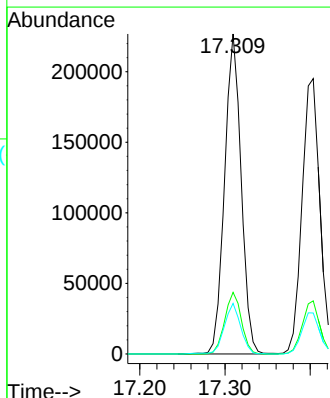
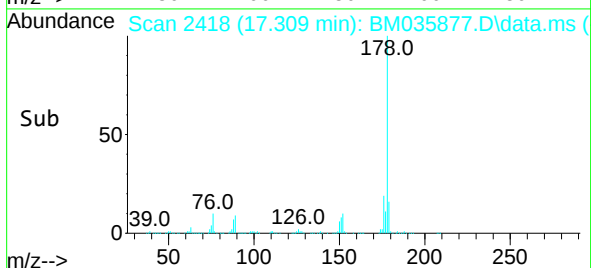
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

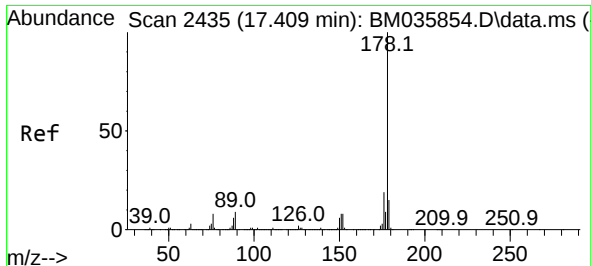


#71
 Phenanthrene
 Concen: 3.781 ng
 RT: 17.309 min Scan# 2418
 Delta R.T. -0.006 min
 Lab File: BM035877.D
 Acq: 20 Jul 2022 12:14



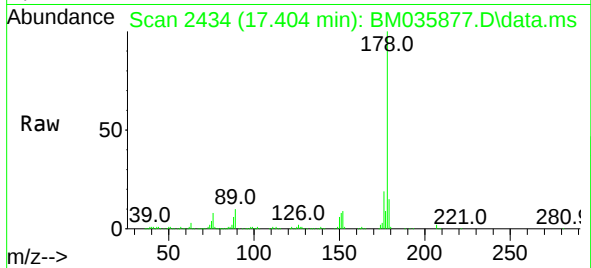
Tgt Ion:178 Resp: 306157
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.8 12.4 18.6





#72
 Anthracene
 Concen: 3.661 ng
 RT: 17.404 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BM035877.D
 Acq: 20 Jul 2022 12:14

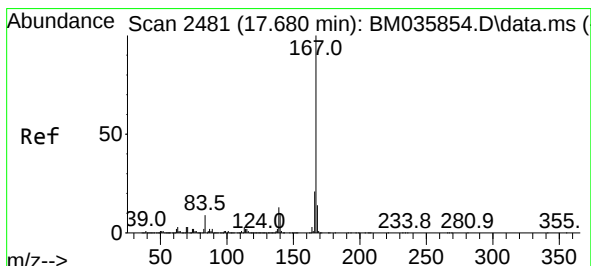
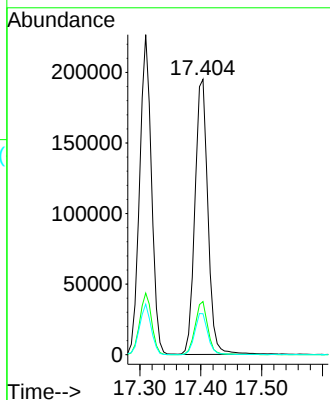
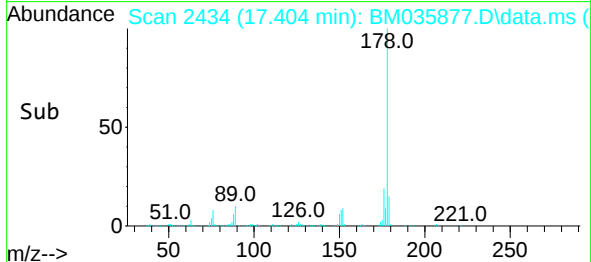
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



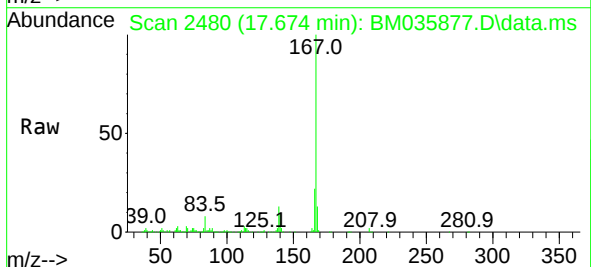
Tgt Ion:178 Resp: 288140
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.4
 179 14.9 12.2 18.2

Manual Integrations
 APPROVED

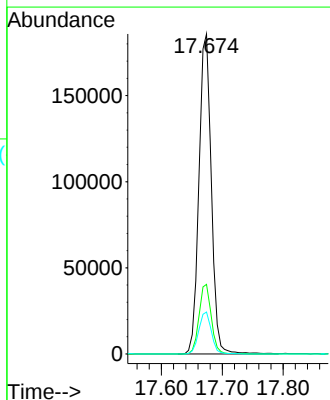
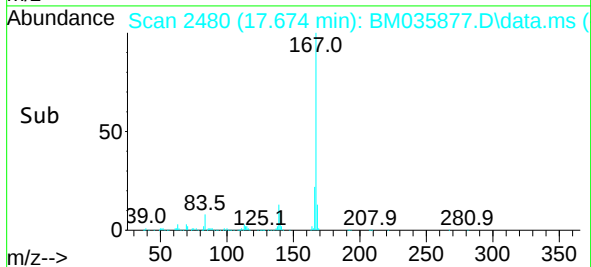
Reviewed By :Christian Giraldo 07/21/2022
 Supervised By :Jagrut Upadhyay 07/21/2022

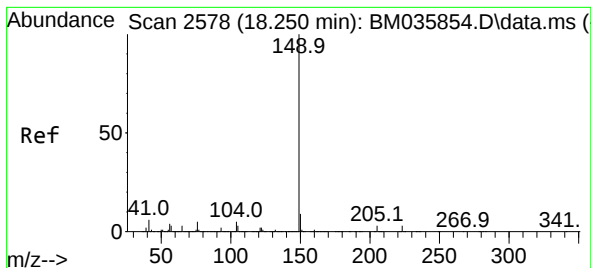


#73
 Carbazole
 Concen: 3.283 ng
 RT: 17.674 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BM035877.D
 Acq: 20 Jul 2022 12:14



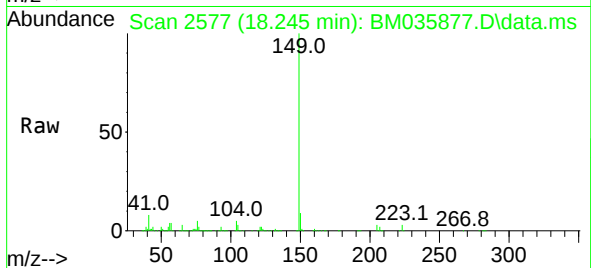
Tgt Ion:167 Resp: 262065
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.8 26.8
 139 13.1 10.9 16.3





#74
Di-n-butylphthalate
Concen: 2.988 ng
RT: 18.245 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

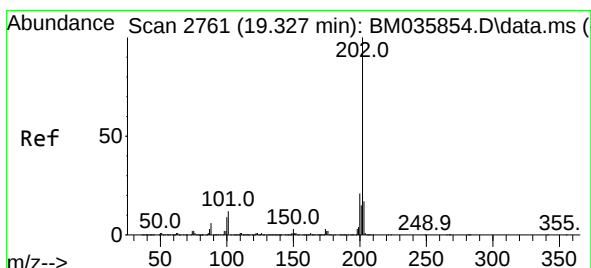
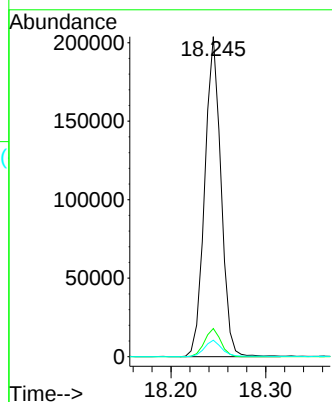
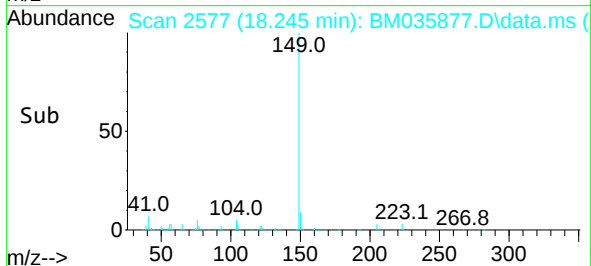
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:149 Resp: 242838
Ion Ratio Lower Upper
149 100
150 8.8 7.3 10.9
104 5.1 4.3 6.5

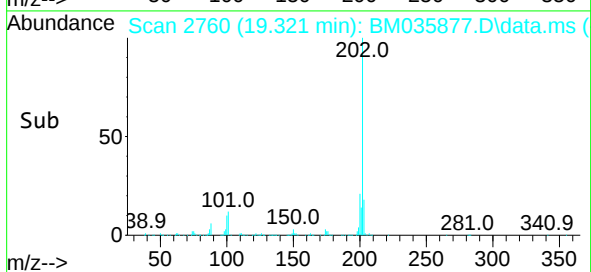
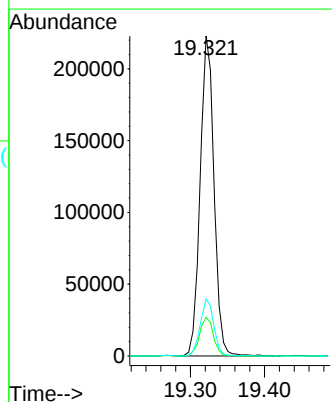
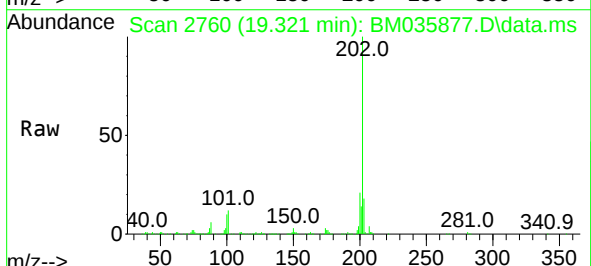
Manual Integrations
APPROVED

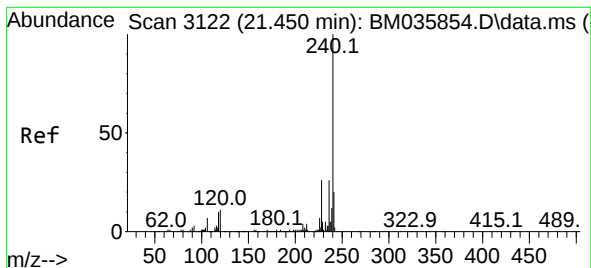
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#75
Fluoranthene
Concen: 3.287 ng
RT: 19.321 min Scan# 2760
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

Tgt Ion:202 Resp: 289262
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.6
203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:240 Resp: 1170220

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.0

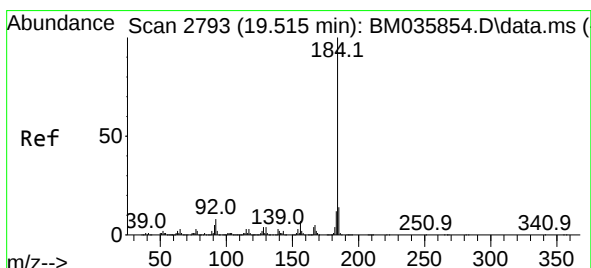
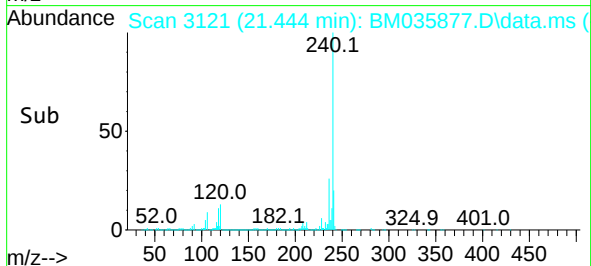
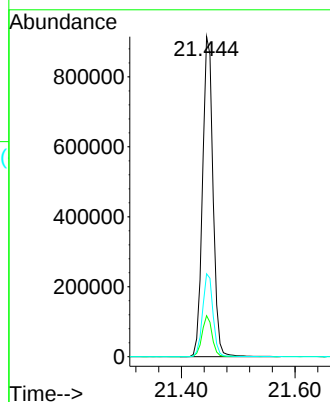
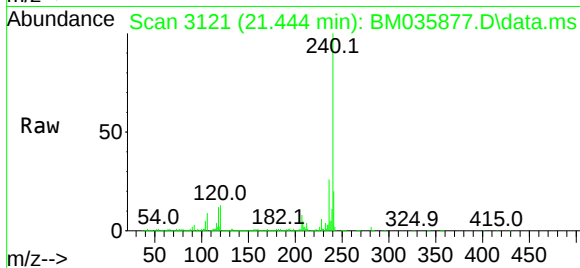
236 25.9 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#77

Benzidine

Concen: 4.929 ng

RT: 19.509 min Scan# 2792

Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

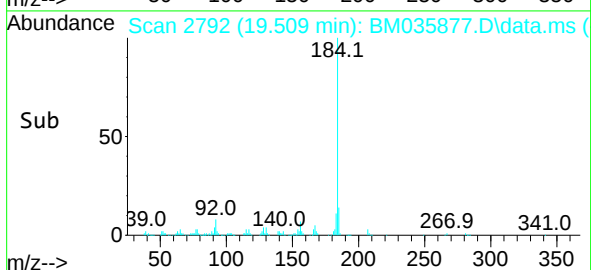
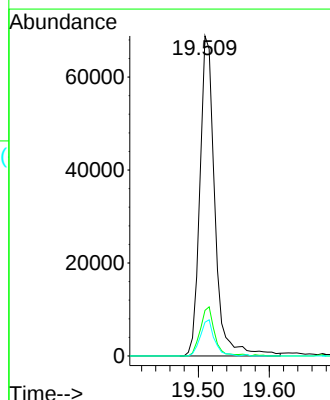
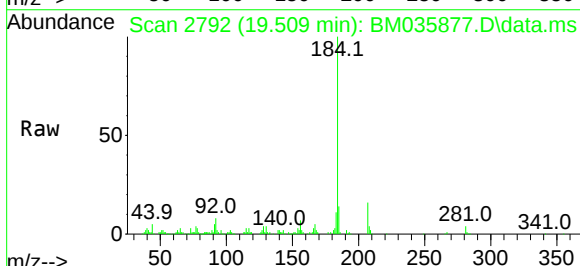
Tgt Ion:184 Resp: 101278

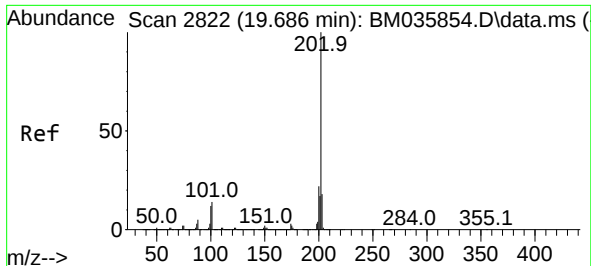
Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

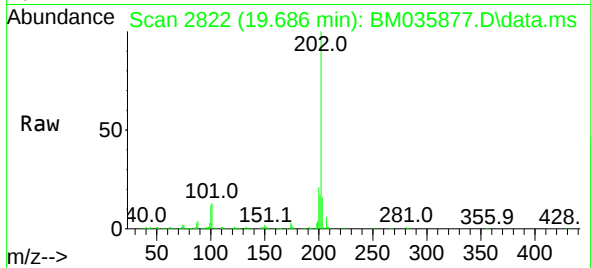
183 10.6 9.5 14.3





#78
Pyrene
Concen: 3.973 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

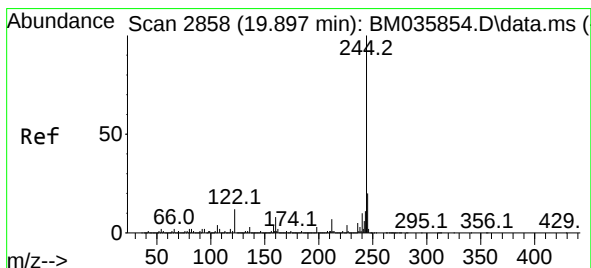
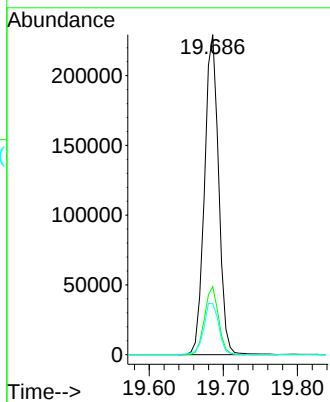
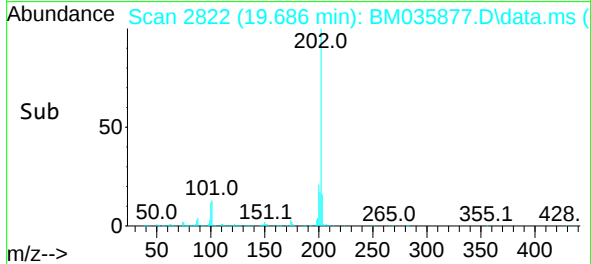
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:202 Resp: 30397
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 16.0 13.9 20.9

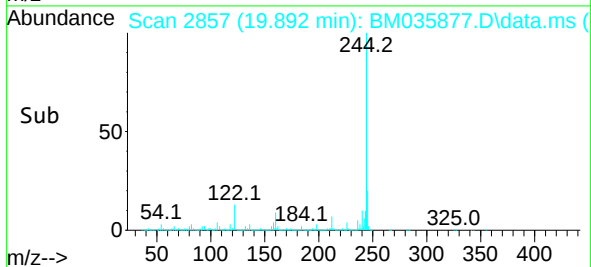
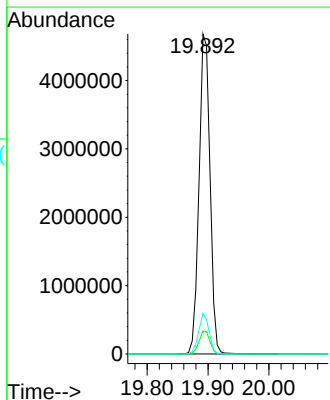
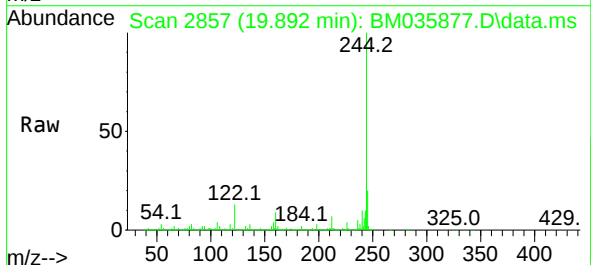
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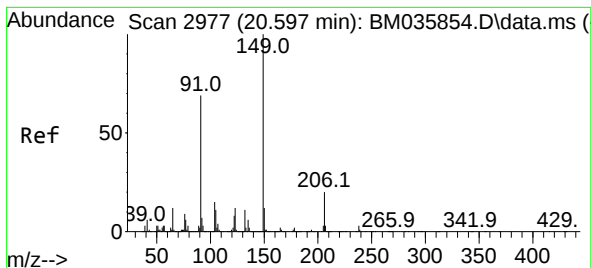
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022



#79
Terphenyl-d14
Concen: 97.521 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

Tgt Ion:244 Resp: 5865437
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 12.6 8.3 12.5#





#80

Butylbenzylphthalate

Concen: 2.564 ng

RT: 20.592 min Scan# 2977

Delta R.T. -0.006 min

Lab File: BM035877.D

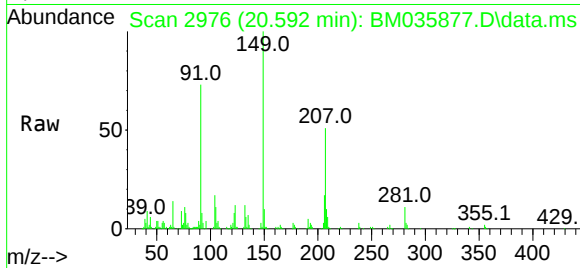
Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



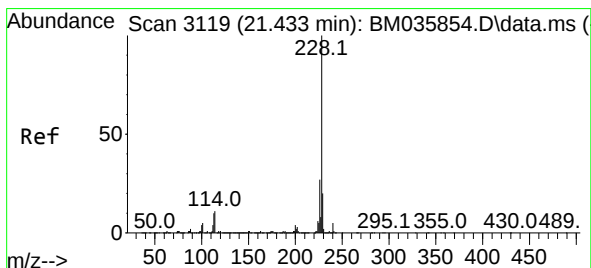
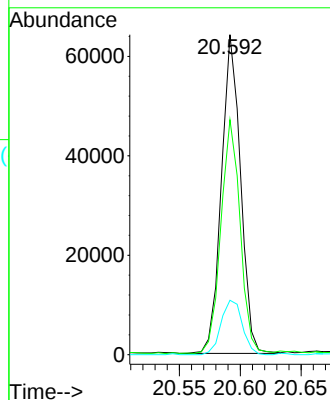
Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.5	56.6	85.0
206	17.0	15.4	23.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#81

Benzo(a)anthracene

Concen: 3.553 ng

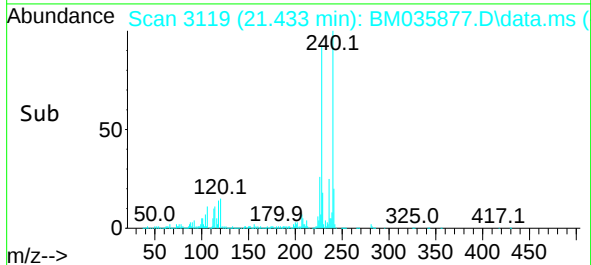
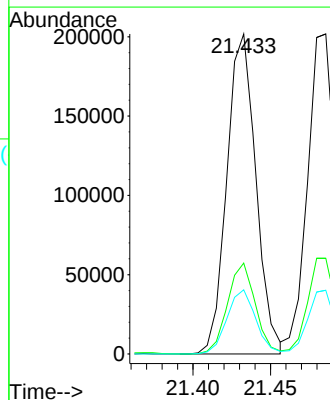
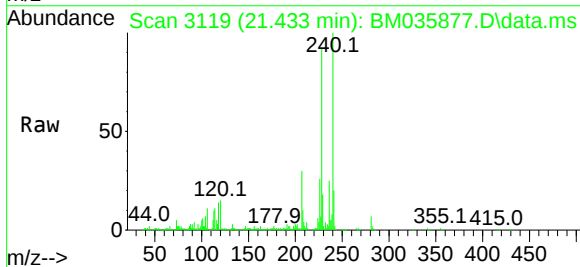
RT: 21.433 min Scan# 3119

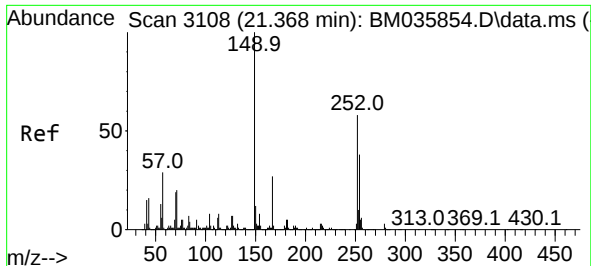
Delta R.T. 0.000 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

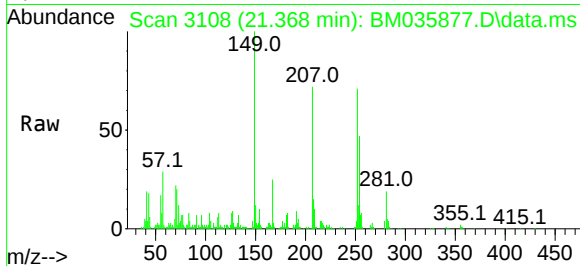
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	20.1	15.8	23.6





#82
3,3'-Dichlorobenzidine
Concen: 4.088 ng
RT: 21.368 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

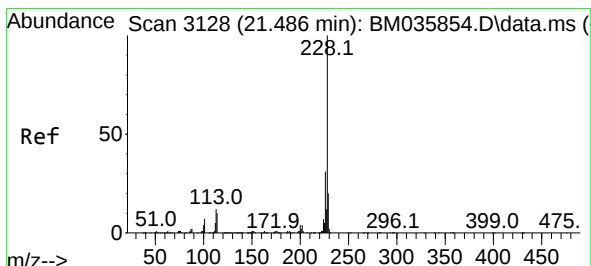
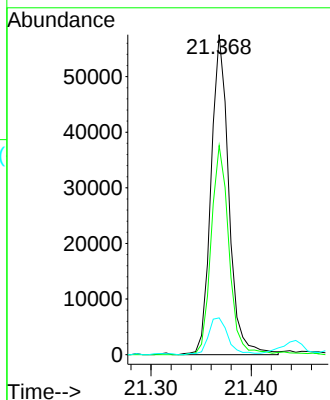
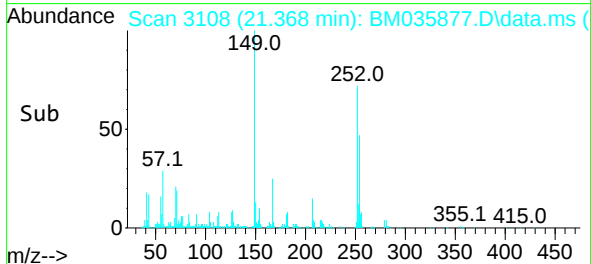
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



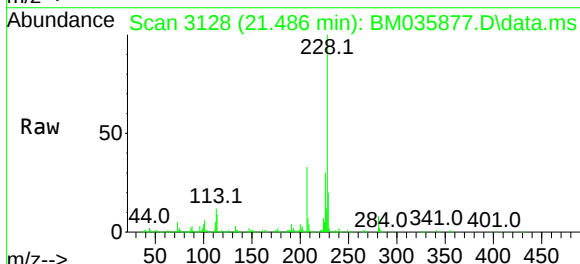
Tgt Ion:252 Resp: 70940
Ion Ratio Lower Upper
252 100
254 65.3 51.7 77.5
126 11.5 9.4 14.0

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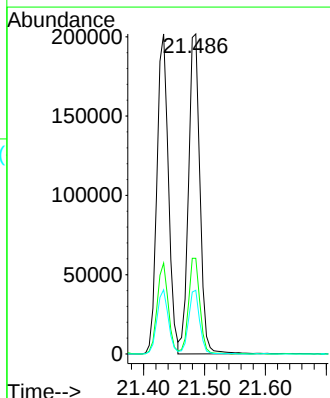
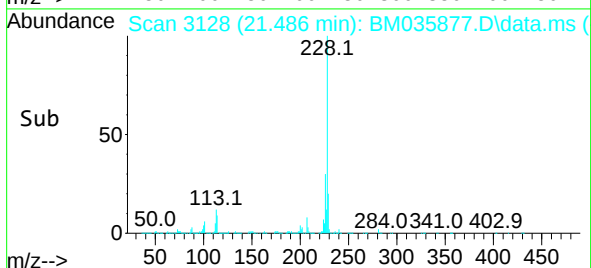
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

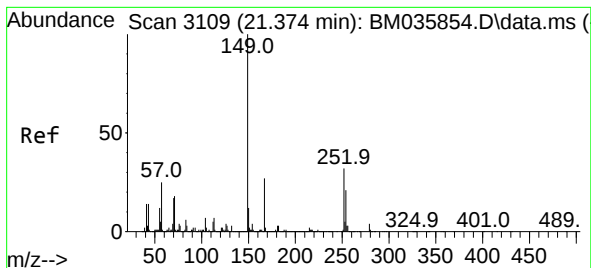


#83
Chrysene
Concen: 3.697 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



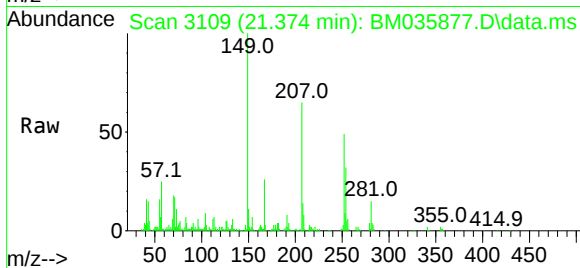
Tgt Ion:228 Resp: 261345
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 19.9 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.557 ng
RT: 21.374 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

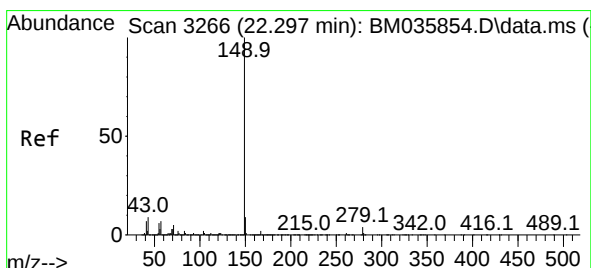
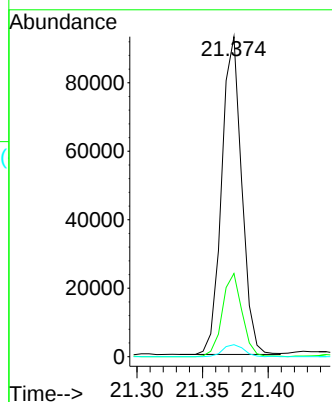
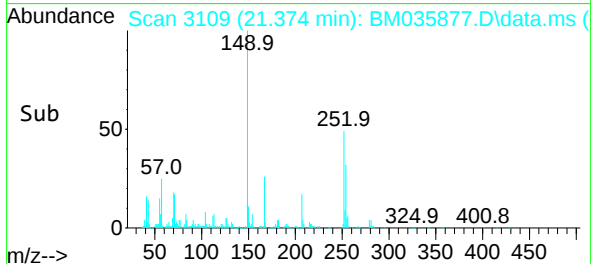
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022



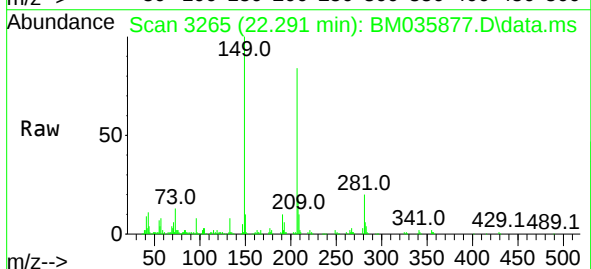
Tgt Ion:149 Resp: 98454
Ion Ratio Lower Upper
149 100
167 26.0 21.1 31.7
279 3.8 2.8 4.2

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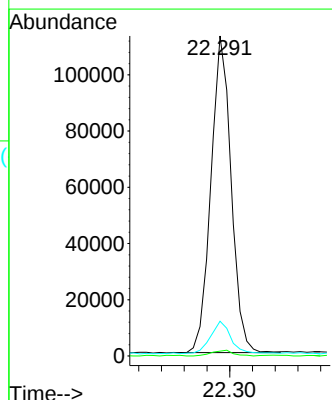
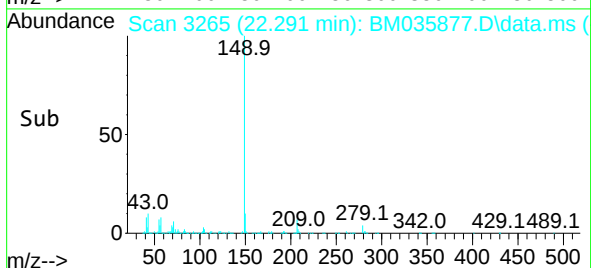
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

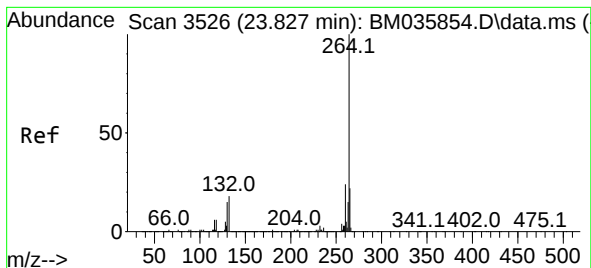


#85
Di-n-octyl phthalate
Concen: 2.276 ng
RT: 22.291 min Scan# 3265
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



Tgt Ion:149 Resp: 139017
Ion Ratio Lower Upper
149 100
167 1.9 1.3 1.9
43 10.3 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:264 Resp: 104329

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

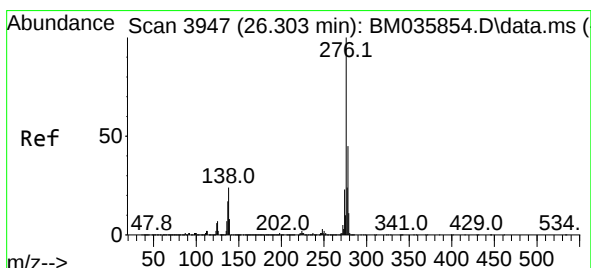
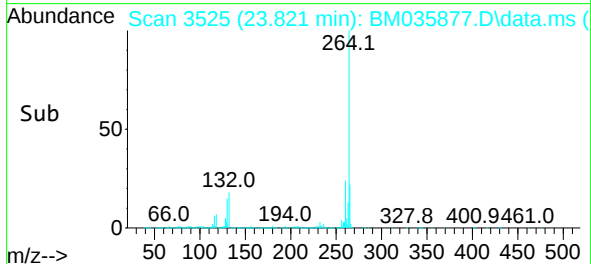
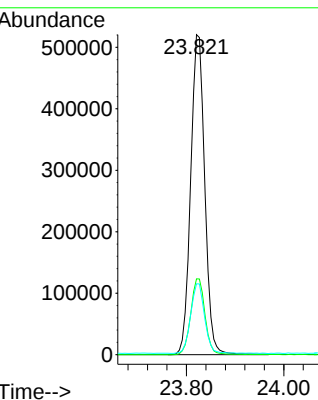
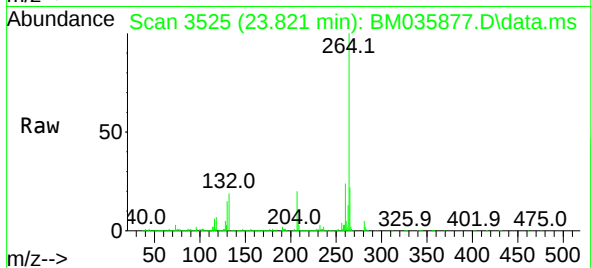
265 22.2 17.5 26.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.116 ng

RT: 26.291 min Scan# 3945

Delta R.T. -0.012 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

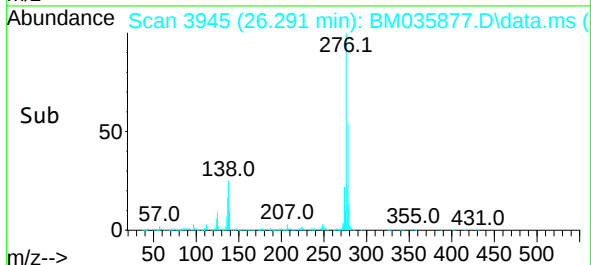
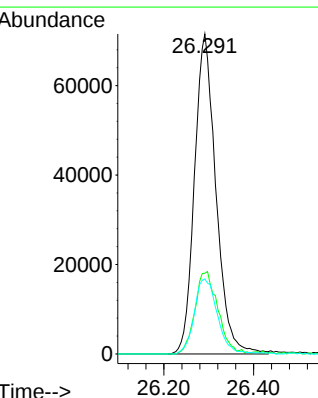
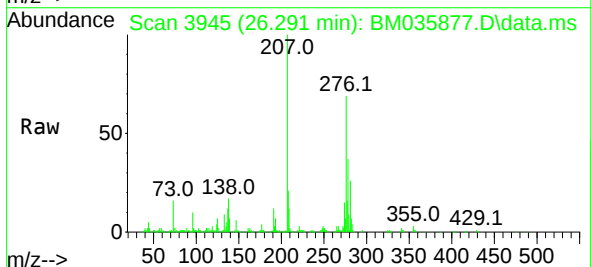
Tgt Ion:276 Resp: 237558

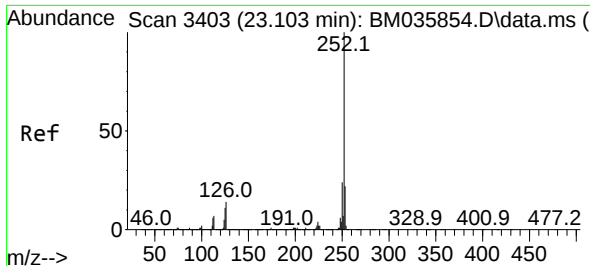
Ion Ratio Lower Upper

276 100

138 27.6 20.2 30.4

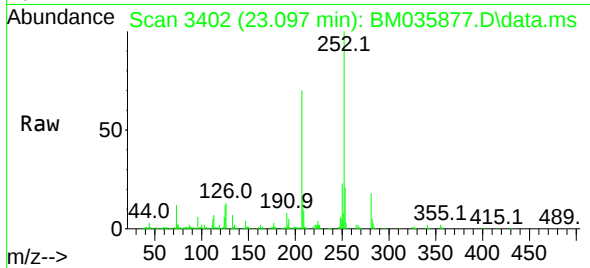
277 25.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 3.745 ng
RT: 23.097 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

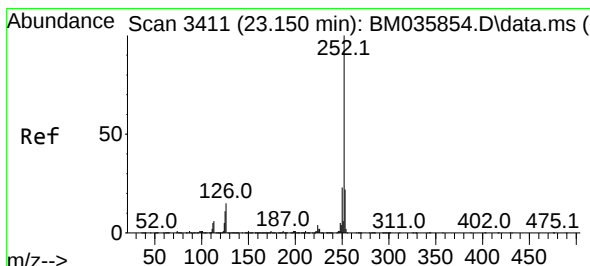
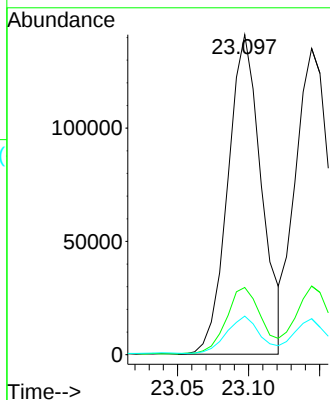
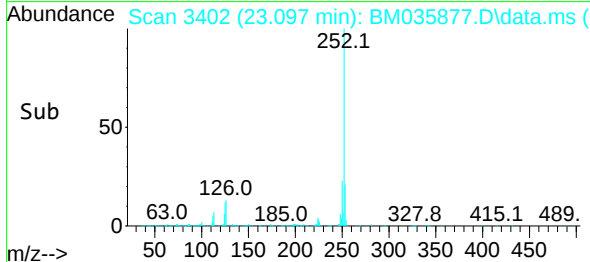
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2022



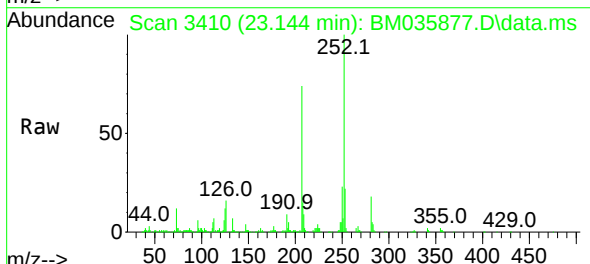
Tgt Ion:252 Resp: 232572
Ion Ratio Lower Upper
252 100
253 21.0 17.6 26.4
125 12.0 7.6 11.4

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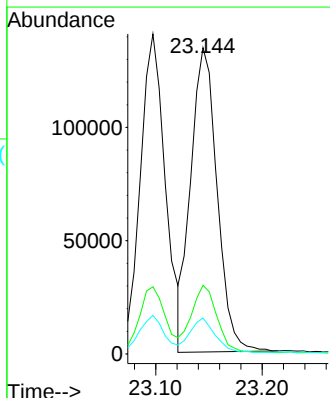
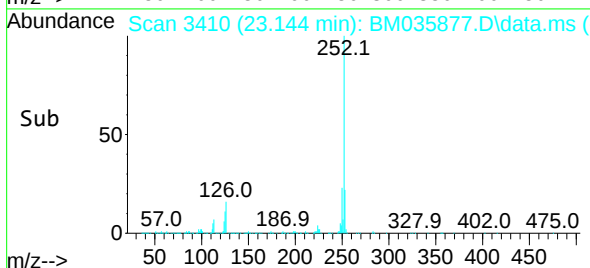
Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

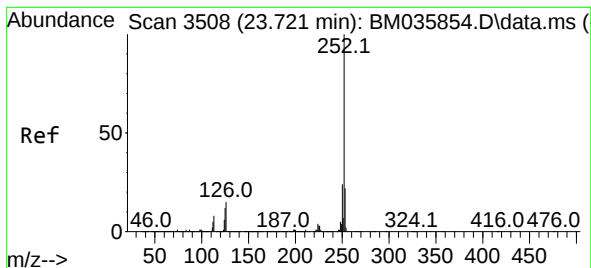


#89
Benzo(k)fluoranthene
Concen: 3.601 ng
RT: 23.144 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14



Tgt Ion:252 Resp: 231435
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.8 7.6 11.4





#90

Benzo(a)pyrene

Concen: 4.030 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM035877.D

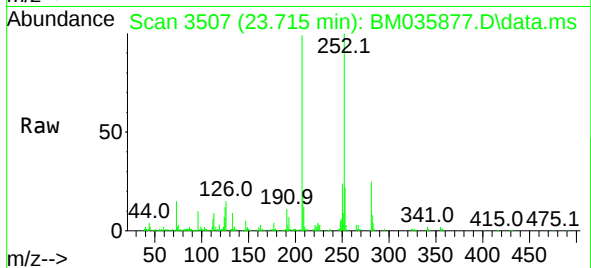
Acq: 20 Jul 2022 12:14

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 213010

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

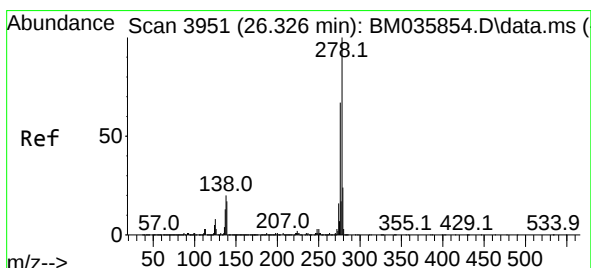
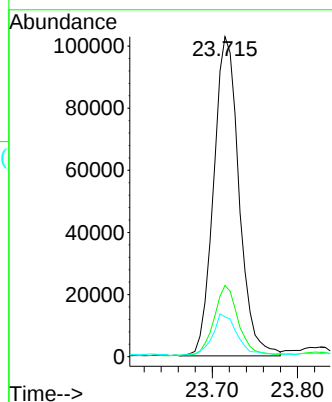
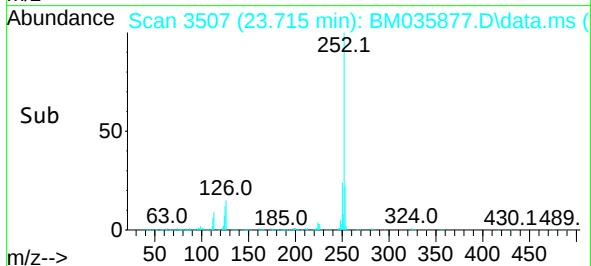
125 12.4 8.7 13.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/21/2022

Supervised By :Jagrut Upadhyay 07/21/2022



#91

Dibenzo(a,h)anthracene

Concen: 3.319 ng

RT: 26.315 min Scan# 3949

Delta R.T. -0.012 min

Lab File: BM035877.D

Acq: 20 Jul 2022 12:14

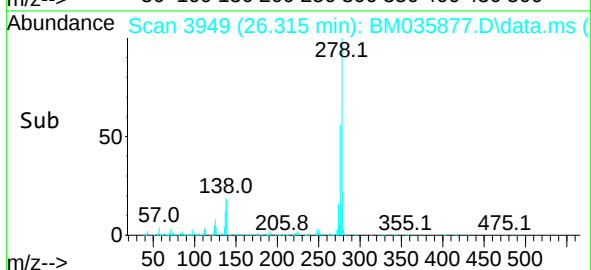
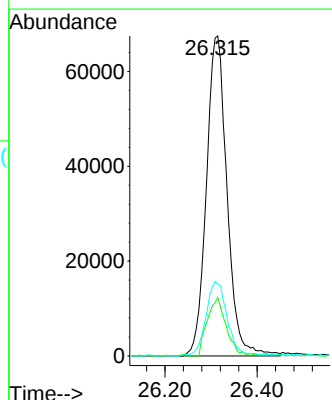
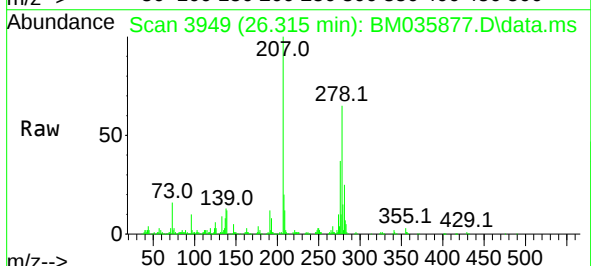
Tgt Ion:278 Resp: 210253

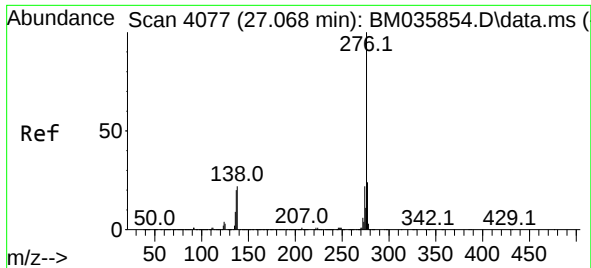
Ion Ratio Lower Upper

278 100

139 18.3 12.9 19.3

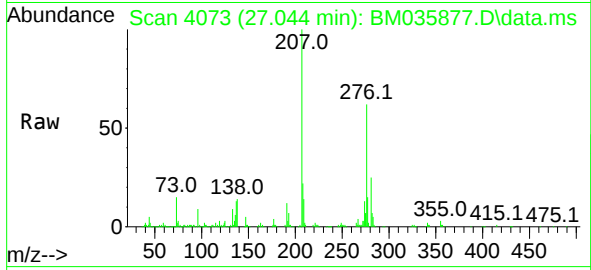
279 22.5 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 3.403 ng
RT: 27.044 min Scan# 4073
Delta R.T. -0.023 min
Lab File: BM035877.D
Acq: 20 Jul 2022 12:14

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



Tgt Ion: 276 Resp: 21256
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 22.4 17.6 26.4

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

