

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071922\
 Data File : BM035863.D
 Acq On : 19 Jul 2022 12:28
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/20/2022
 Supervised By : Jagrut Upadhyay 07/20/2022

Quant Time: Jul 19 13:12:19 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	274613	20.000	ng	0.00
21) Naphthalene-d8	10.705	136	1120551	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	639756	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	1219589	20.000	ng	0.00
76) Chrysene-d12	21.445	240	1078089	20.000	ng	0.00
86) Perylene-d12	23.821	264	1065020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	1949180	110.039	ng	0.00
7) Phenol-d6	7.064	99	2570458	115.399	ng	0.00
23) Nitrobenzene-d5	9.063	82	1774298	84.687	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	810669	113.285	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	3902875	86.232	ng	0.00
79) Terphenyl-d14	19.892	244	4761274	85.928	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.323	88	26214	3.580	ng	# 94
3) Pyridine	3.734	79	62098	3.191	ng	92
4) n-Nitrosodimethylamine	3.640	42	29860	3.672	ng	# 74
6) Aniline	7.222	93	98618	4.032	ng	95
8) 2-Chlorophenol	7.458	128	65226	3.563	ng	96
9) Benzaldehyde	7.034	77	62844m	5.022	ng	
10) Phenol	7.087	94	81267	3.623	ng	98
11) bis(2-Chloroethyl)ether	7.322	93	67609	3.735	ng	95
12) 1,3-Dichlorobenzene	7.781	146	74328	3.641	ng	97
13) 1,4-Dichlorobenzene	7.934	146	75408	3.628	ng	98
14) 1,2-Dichlorobenzene	8.252	146	72715	3.617	ng	98
15) Benzyl Alcohol	8.140	79	49991	3.406	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.440	45	89700	3.806	ng	94
17) 2-Methylphenol	8.340	107	50236	3.449	ng	96
18) Hexachloroethane	8.981	117	26564	3.552	ng	94
19) n-Nitroso-di-n-propyla...	8.711	70	45504	3.524	ng	# 87
20) 3+4-Methylphenols	8.669	107	64342	3.269	ng	96
22) Acetophenone	8.728	105	97844	3.533	ng	# 94
24) Nitrobenzene	9.105	77	74088	3.765	ng	99
25) Isophorone	9.628	82	123130	3.757	ng	97
26) 2-Nitrophenol	9.816	139	24237	2.734	ng	# 95
27) 2,4-Dimethylphenol	9.875	122	56060	4.009	ng	97
28) bis(2-Chloroethoxy)met...	10.122	93	80886	3.546	ng	98
29) 2,4-Dichlorophenol	10.352	162	47588	3.070	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	61872	3.458	ng	99
31) Naphthalene	10.757	128	210672	3.700	ng	99
32) Benzoic acid	9.928	122	14362	1.358	ng	97
33) 4-Chloroaniline	10.869	127	81279	3.569	ng	96
34) Hexachlorobutadiene	11.040	225	35352	3.443	ng	96
35) Caprolactam	11.622	113	12082	2.548	ng	# 87
36) 4-Chloro-3-methylphenol	11.987	107	50404	3.171	ng	99
37) 2-Methylnaphthalene	12.363	142	133812	3.613	ng	97
38) 1-Methylnaphthalene	12.581	142	128724	3.571	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	63998	3.501	ng	99
41) Hexachlorocyclopentadiene	12.710	237	35515	3.605	ng	99
43) 2,4,6-Trichlorophenol	12.969	196	35138	2.908	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071922\
 Data File : BM035863.D
 Acq On : 19 Jul 2022 12:28
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

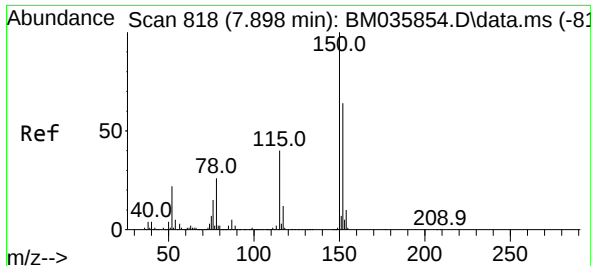
Quant Time: Jul 19 13:12:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 18 17:08:15 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/20/2022
 Supervised By : Jagrut Upadhyay 07/20/2022

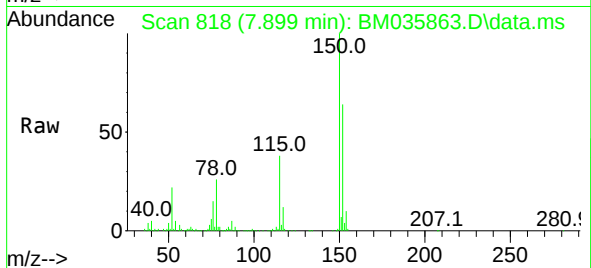
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.034	196	38320	3.008	ng	99
46) 1,1'-Biphenyl	13.375	154	182236	3.745	ng	98
47) 2-Chloronaphthalene	13.410	162	133419	3.567	ng	99
48) 2-Nitroaniline	13.616	65	29090	2.822	ng	98
49) Acenaphthylene	14.257	152	208416	3.619	ng	99
50) Dimethylphthalate	13.993	163	144018	3.420	ng	100
51) 2,6-Dinitrotoluene	14.110	165	26714	3.034	ng	97
52) Acenaphthene	14.593	154	123903	3.591	ng	99
53) 3-Nitroaniline	14.440	138	29345	2.768	ng	# 95
54) 2,4-Dinitrophenol	14.640	184	7704	1.776	ng	# 83
55) Dibenzofuran	14.928	168	197555	3.574	ng	98
56) 4-Nitrophenol	14.740	139	19857	2.387	ng	92
57) 2,4-Dinitrotoluene	14.893	165	30065	2.609	ng	93
58) Fluorene	15.575	166	149949	3.455	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.151	232	29804	2.911	ng	95
60) Diethylphthalate	15.351	149	138450	3.318	ng	97
61) 4-Chlorophenyl-phenyle...	15.575	204	73684	3.489	ng	96
62) 4-Nitroaniline	15.592	138	27435	2.527	ng	94
63) Azobenzene	15.863	77	136429	3.184	ng	94
65) 4,6-Dinitro-2-methylph...	15.645	198	11519	1.881	ng	95
66) n-Nitrosodiphenylamine	15.787	169	122845	3.430	ng	98
67) 4-Bromophenyl-phenylether	16.463	248	41093	3.352	ng	92
68) Hexachlorobenzene	16.569	284	51514	3.620	ng	93
69) Atrazine	16.734	200	34310	3.646	ng	98
70) Pentachlorophenol	16.916	266	18297	2.317	ng	93
71) Phenanthrene	17.310	178	232193	3.619	ng	99
72) Anthracene	17.404	178	220411	3.534	ng	99
73) Carbazole	17.675	167	202471	3.201	ng	98
74) Di-n-butylphthalate	18.245	149	182751	2.837	ng	99
75) Fluoranthene	19.322	202	226152	3.243	ng	98
77) Benzidine	19.510	184	85188	4.501	ng	98
78) Pyrene	19.686	202	238960	3.390	ng	98
80) Butylbenzylphthalate	20.592	149	61729	2.453	ng	98
81) Benzo(a)anthracene	21.427	228	233240	3.418	ng	99
82) 3,3'-Dichlorobenzidine	21.369	252	66308	4.148	ng	99
83) Chrysene	21.480	228	227698	3.496	ng	98
84) Bis(2-ethylhexyl)phtha...	21.369	149	89937	2.536	ng	99
85) Di-n-octyl phthalate	22.292	149	141384	2.513	ng	100
87) Indeno(1,2,3-cd)pyrene	26.286	276	242256	3.113	ng	97
88) Benzo(b)fluoranthene	23.092	252	217517	3.431	ng	99
89) Benzo(k)fluoranthene	23.139	252	228448	3.482	ng	97
90) Benzo(a)pyrene	23.715	252	210653	3.904	ng	99
91) Dibenzo(a,h)anthracene	26.315	278	214859	3.323	ng	97
92) Benzo(g,h,i)perylene	27.039	276	218188	3.421	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

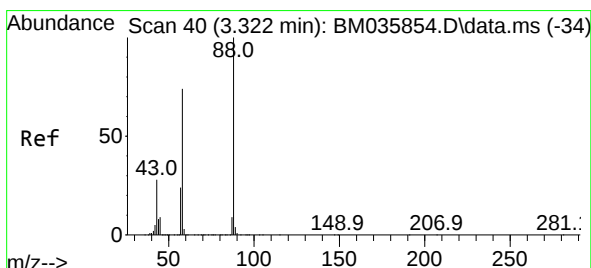
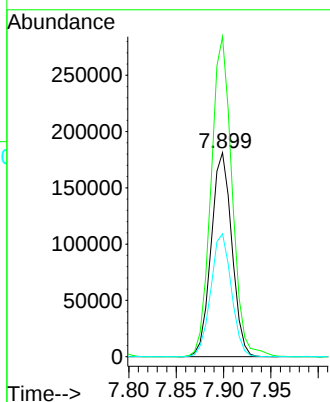
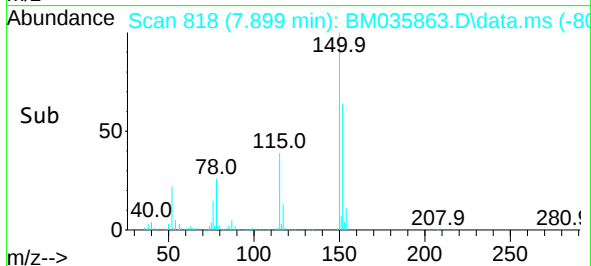
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



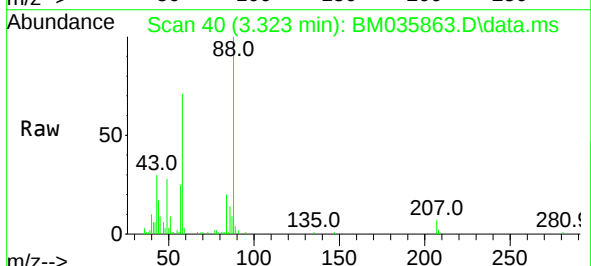
Tgt Ion:152 Resp: 27461
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 60.3 47.9 71.9

Manual Integrations
APPROVED

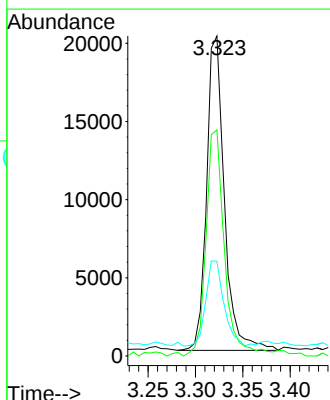
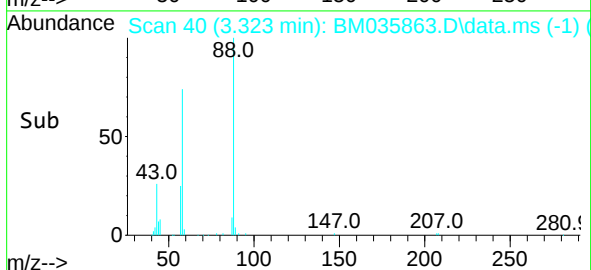
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

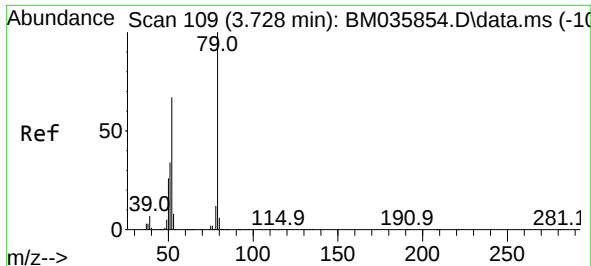


#2
1,4-Dioxane
Concen: 3.580 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



Tgt Ion: 88 Resp: 26214
Ion Ratio Lower Upper
88 100
58 75.2 62.3 93.5
43 27.8 28.7 43.1#





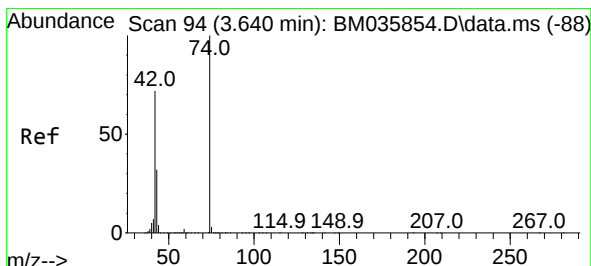
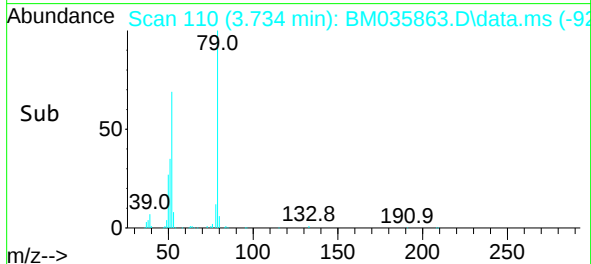
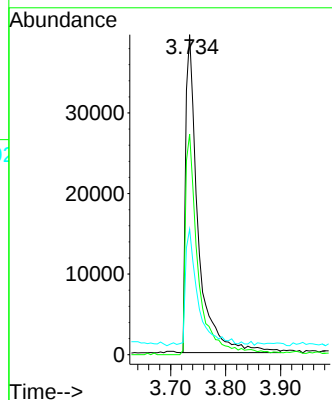
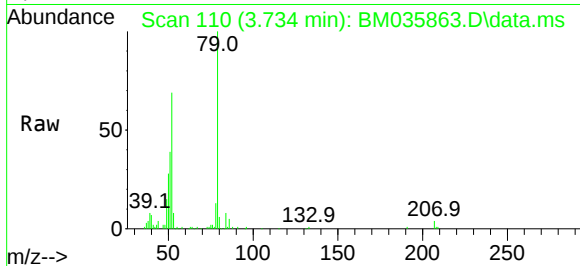
#3
Pyridine
Concen: 3.191 ng
RT: 3.734 min Scan# 110
Delta R.T. 0.007 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 79 Resp: 62098
Ion Ratio Lower Upper
79 100
52 69.0 61.9 92.9
51 39.2 33.5 50.3

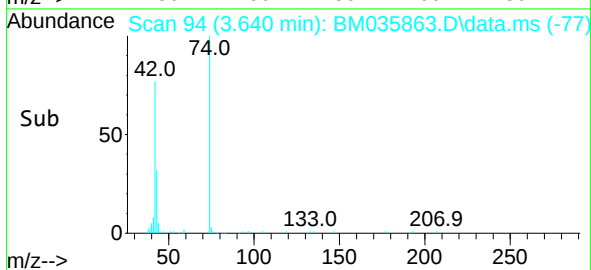
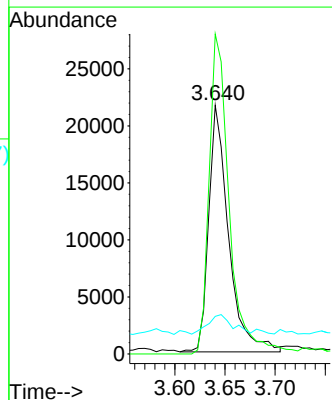
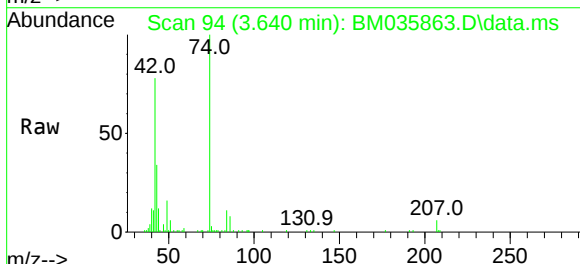
Manual Integrations
APPROVED

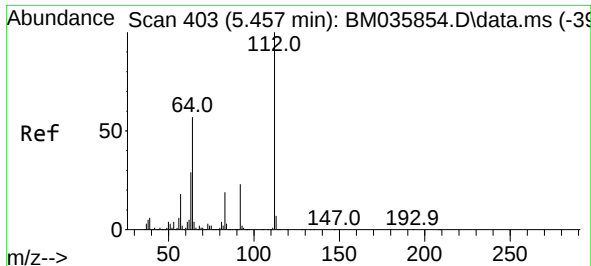
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#4
n-Nitrosodimethylamine
Concen: 3.672 ng
RT: 3.640 min Scan# 94
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

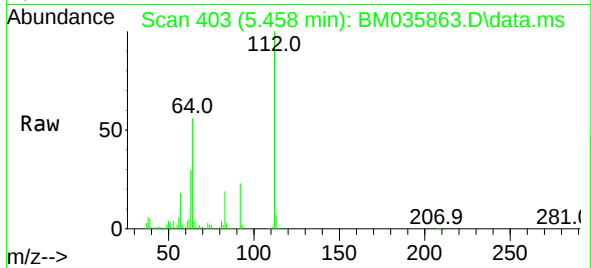
Tgt Ion: 42 Resp: 29860
Ion Ratio Lower Upper
42 100
74 128.7 81.6 122.4#
44 15.1 5.2 7.8#





#5
2-Fluorophenol
Concen: 110.039 ng
RT: 5.458 min Scan# 403
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

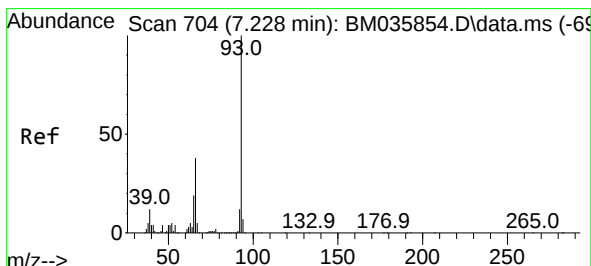
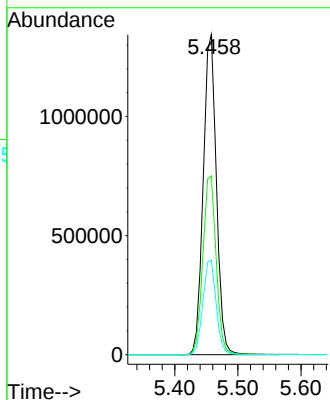
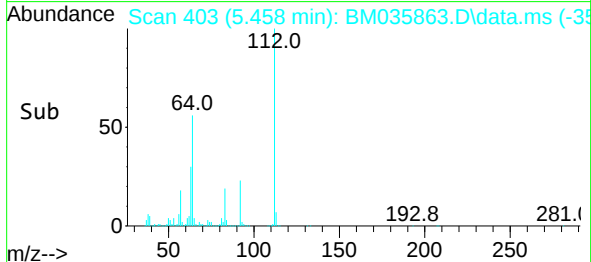
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



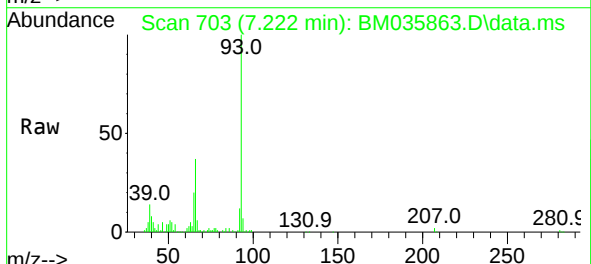
Tgt Ion:112 Resp: 1949180
Ion Ratio Lower Upper
112 100
64 55.9 47.8 71.6
63 29.6 26.6 40.0

Manual Integrations
APPROVED

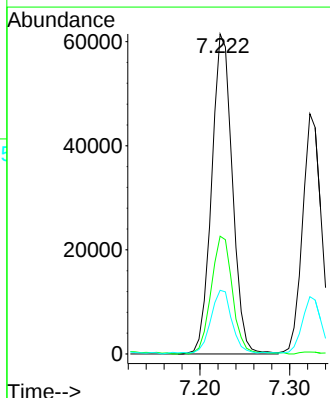
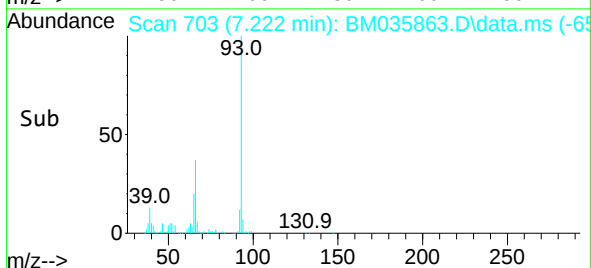
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

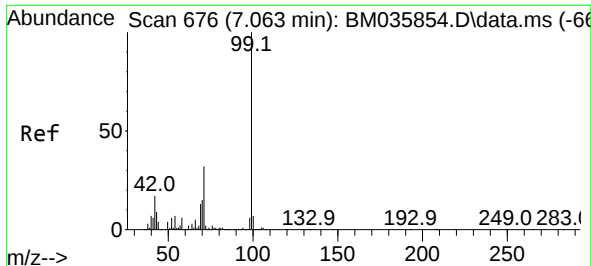


#6
Aniline
Concen: 4.032 ng
RT: 7.222 min Scan# 703
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



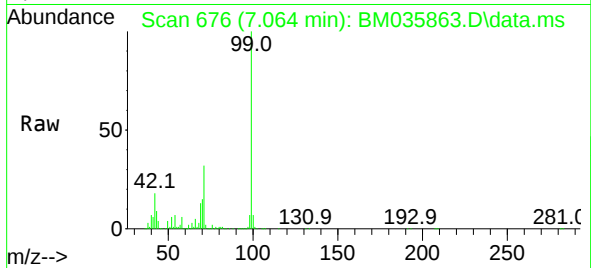
Tgt Ion: 93 Resp: 98618
Ion Ratio Lower Upper
93 100
66 36.8 32.6 49.0
65 19.9 16.8 25.2





#7
Phenol-d6
Concen: 115.399 ng
RT: 7.064 min Scan# 61
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

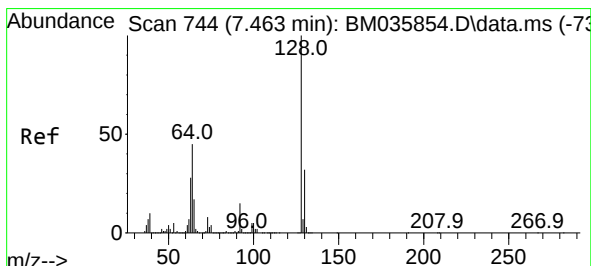
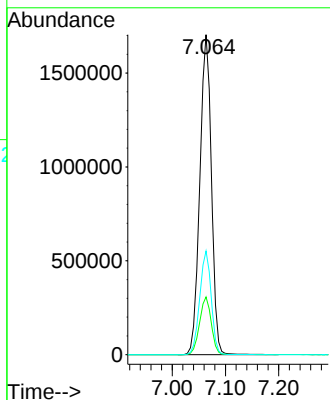
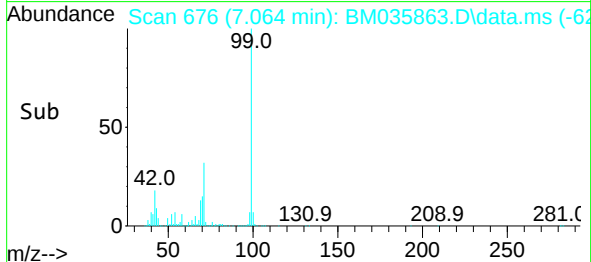
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 99 Resp: 2570458
Ion Ratio Lower Upper
99 100
42 18.1 18.8 28.2
71 32.4 30.2 45.2

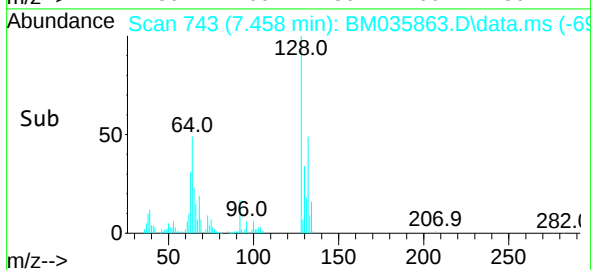
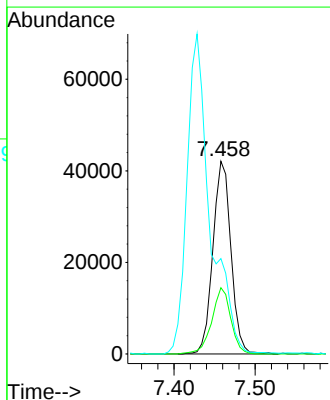
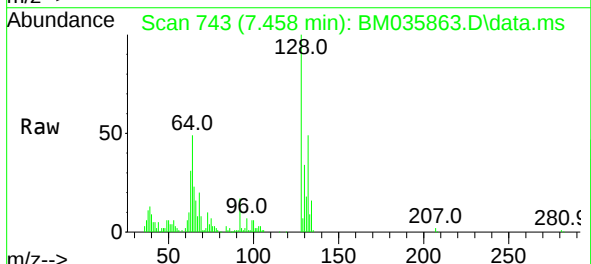
Manual Integrations
APPROVED

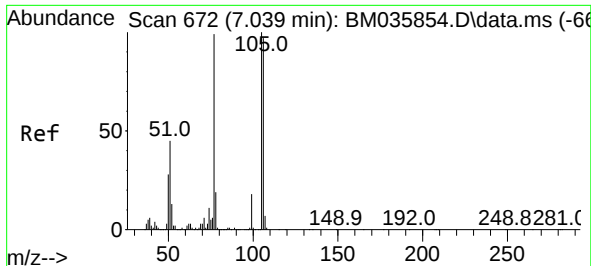
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#8
2-Chlorophenol
Concen: 3.563 ng
RT: 7.458 min Scan# 743
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Tgt Ion:128 Resp: 65226
Ion Ratio Lower Upper
128 100
130 34.4 10.9 50.9
64 49.5 28.2 68.2





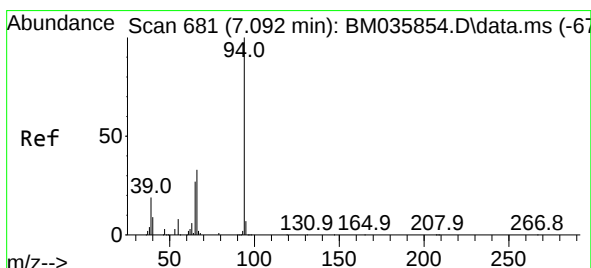
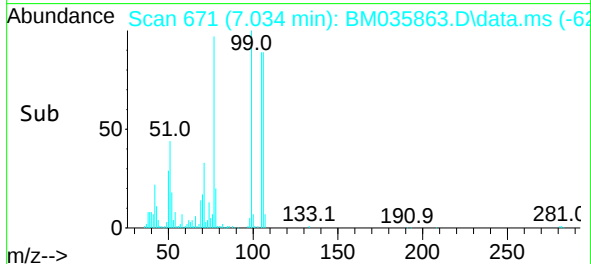
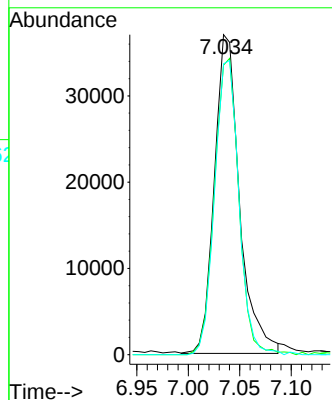
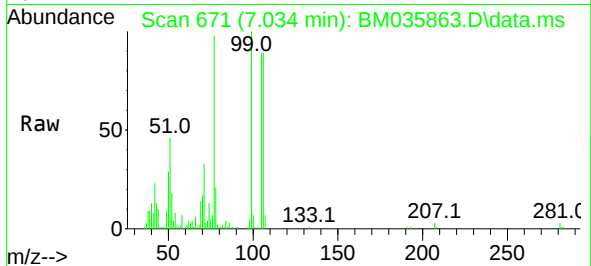
#9
Benzaldehyde
Concen: 5.022 ng m
RT: 7.034 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 77 Resp: 6284
Ion Ratio Lower Upper
77 100
105 90.5 76.3 116.3
106 90.9 69.0 109.0

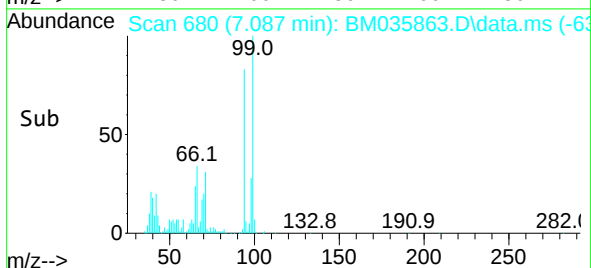
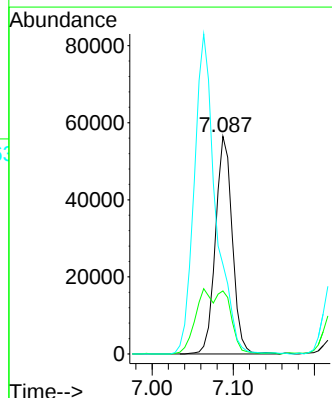
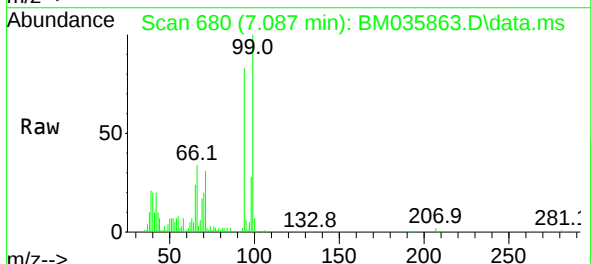
Manual Integrations
APPROVED

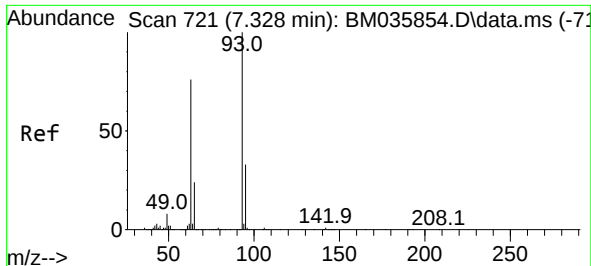
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#10
Phenol
Concen: 3.623 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

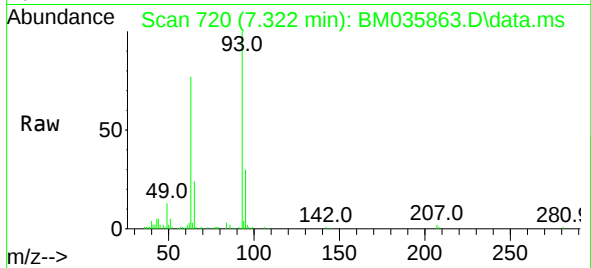
Tgt Ion: 94 Resp: 81267
Ion Ratio Lower Upper
94 100
65 29.0 11.4 51.4
66 41.2 21.4 61.4





#11
bis(2-Chloroethyl)ether
Concen: 3.735 ng
RT: 7.322 min Scan# 721
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

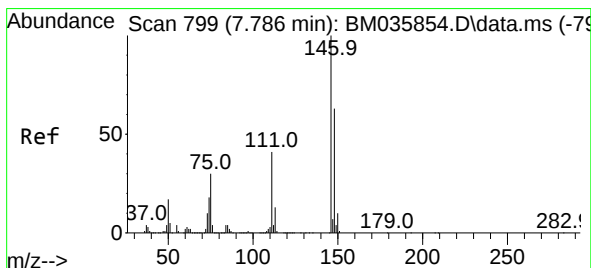
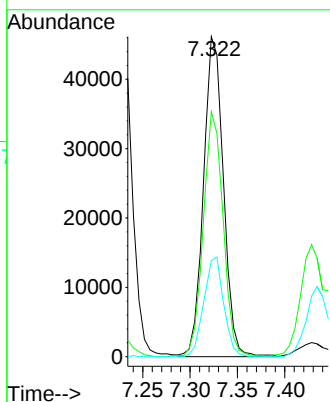
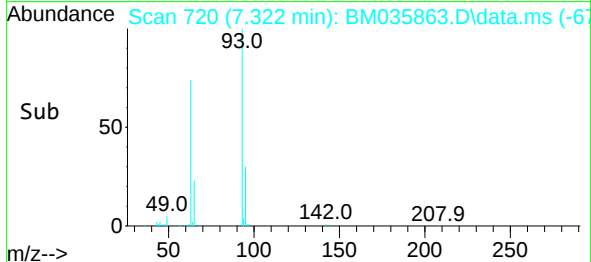
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



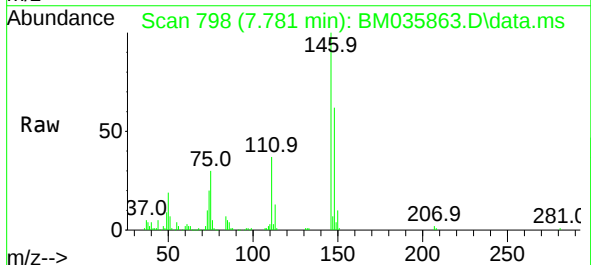
Tgt Ion: 93 Resp: 67609
Ion Ratio Lower Upper
93 100
63 76.5 60.6 100.6
95 30.1 13.2 53.2

Manual Integrations
APPROVED

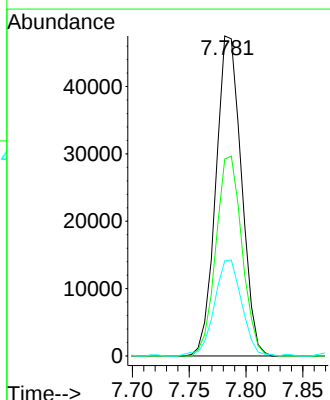
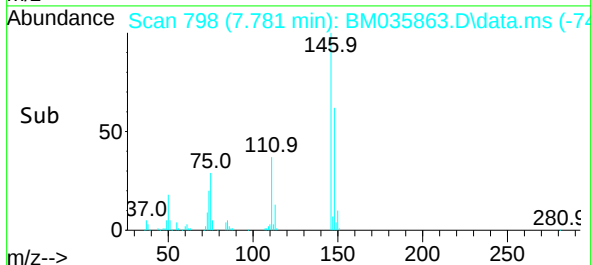
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

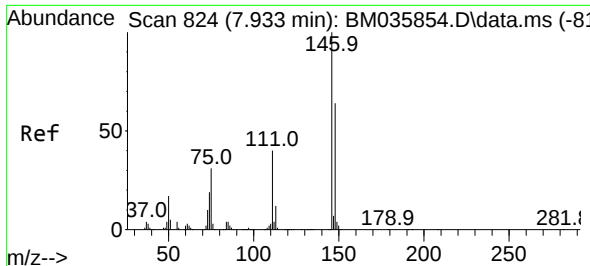


#12
1,3-Dichlorobenzene
Concen: 3.641 ng
RT: 7.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



Tgt Ion:146 Resp: 74328
Ion Ratio Lower Upper
146 100
148 61.6 50.7 76.1
75 29.8 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 3.628 ng

RT: 7.934 min Scan# 81

Delta R.T. 0.001 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

Instrument :

BNA_M

ClientSampleId :

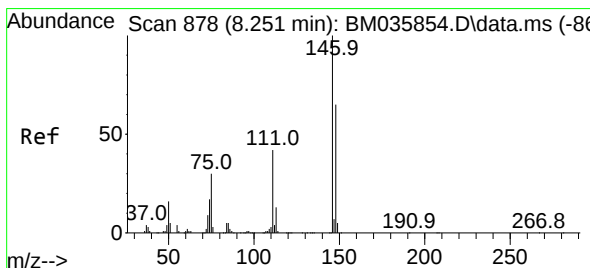
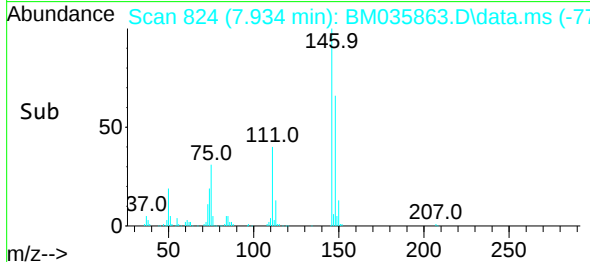
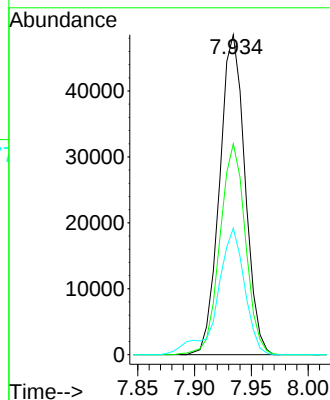
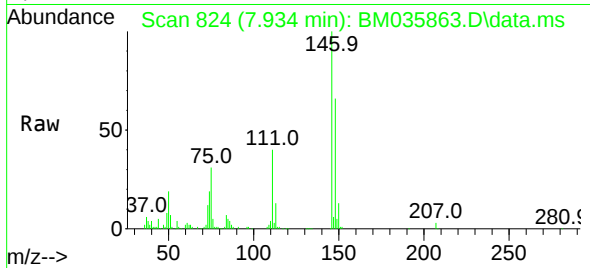
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:146	Resp:	75408
Ion Ratio	Lower	Upper
146	100	
148	65.9	51.5 77.3
111	39.5	32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#14

1,2-Dichlorobenzene

Concen: 3.617 ng

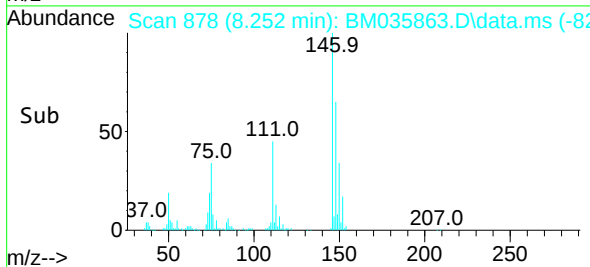
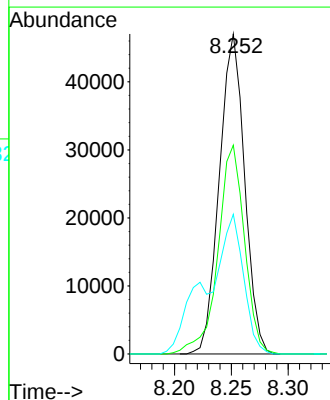
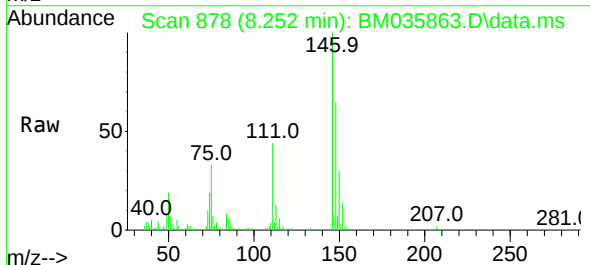
RT: 8.252 min Scan# 878

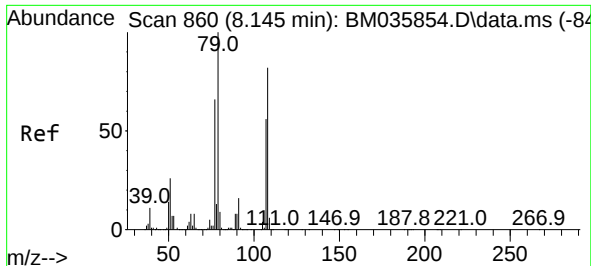
Delta R.T. 0.001 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

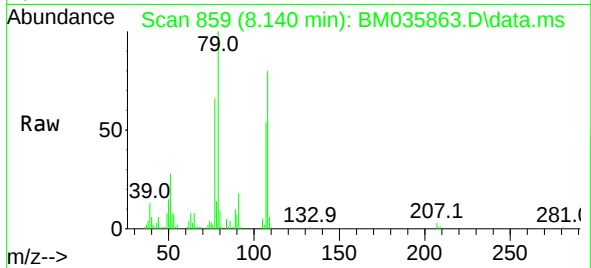
Tgt Ion:146	Resp:	72715
Ion Ratio	Lower	Upper
146	100	
148	65.3	50.7 76.1
111	43.7	33.9 50.9





#15
Benzyl Alcohol
Concen: 3.406 ng
RT: 8.140 min Scan# 860
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

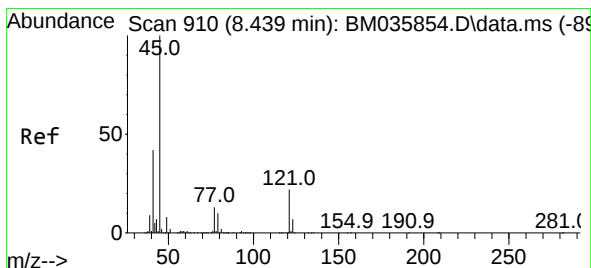
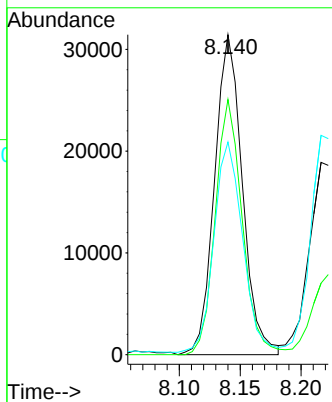
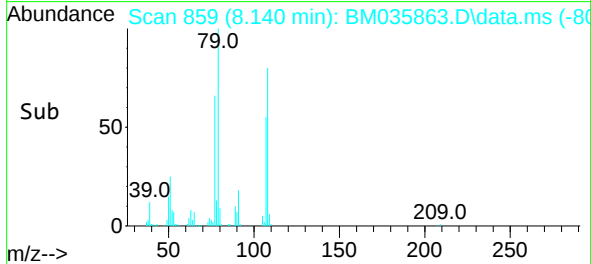
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



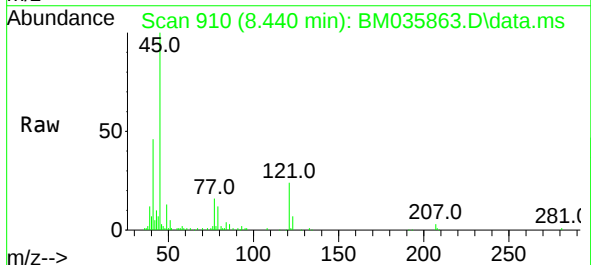
Tgt Ion: 79 Resp: 4999
Ion Ratio Lower Upper
79 100
108 79.8 59.0 88.4
77 66.4 52.2 78.4

Manual Integrations
APPROVED

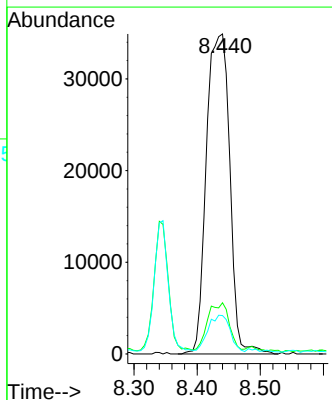
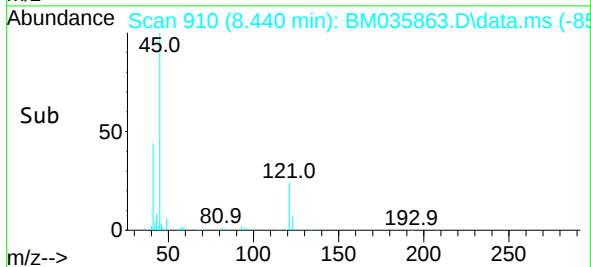
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

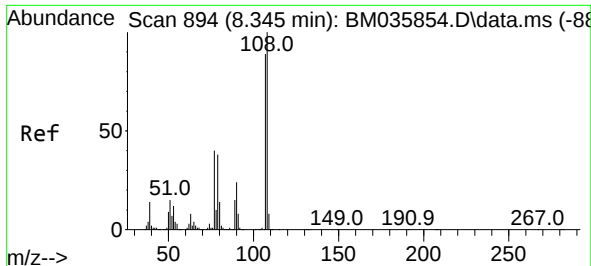


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.806 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



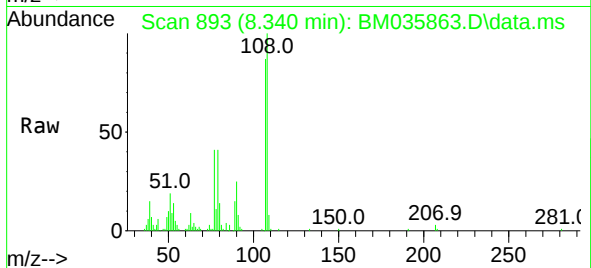
Tgt Ion: 45 Resp: 89700
Ion Ratio Lower Upper
45 100
77 16.0 0.0 33.1
79 12.0 0.0 30.5





#17
2-Methylphenol
Concen: 3.449 ng
RT: 8.340 min Scan# 894
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

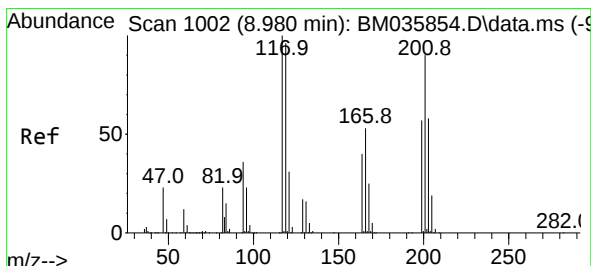
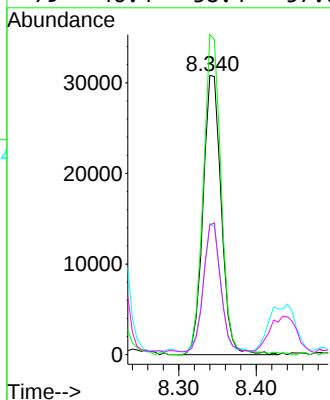
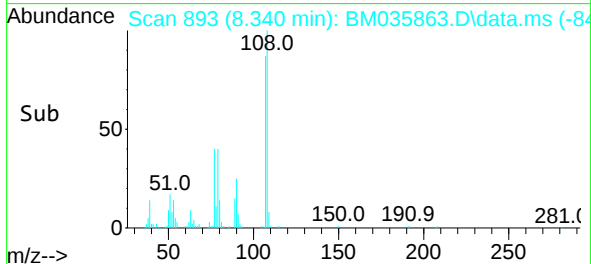
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



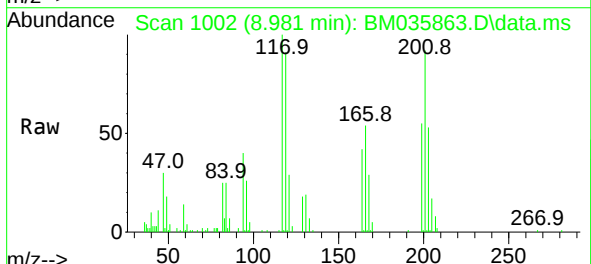
Tgt Ion:107 Resp: 50230
Ion Ratio Lower Upper
107 100
108 114.6 88.7 133.1
77 47.0 40.6 60.8
79 46.4 38.4 57.6

Manual Integrations
APPROVED

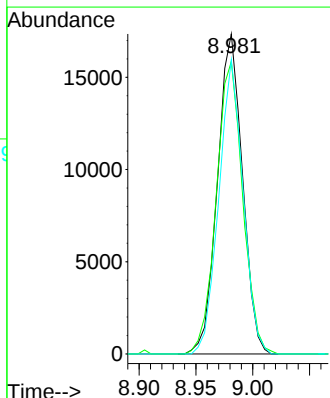
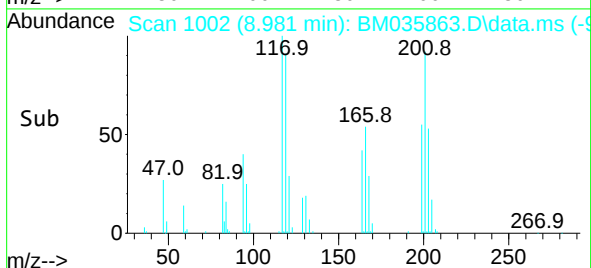
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

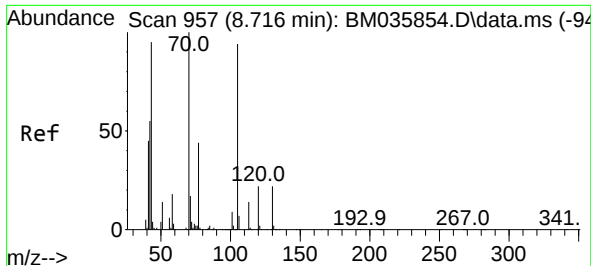


#18
Hexachloroethane
Concen: 3.552 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



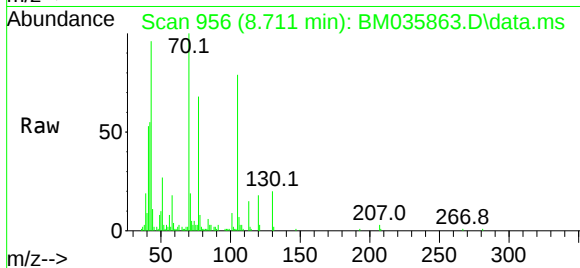
Tgt Ion:117 Resp: 26564
Ion Ratio Lower Upper
117 100
119 91.4 75.8 113.6
201 92.0 81.0 121.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.524 ng
RT: 8.711 min Scan# 911
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

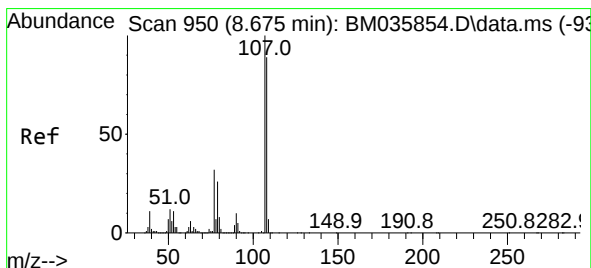
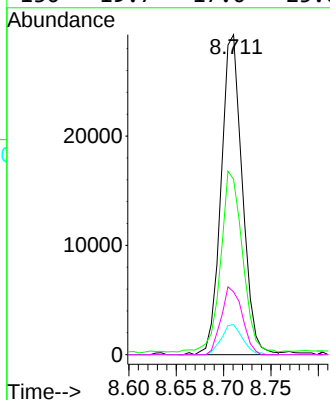
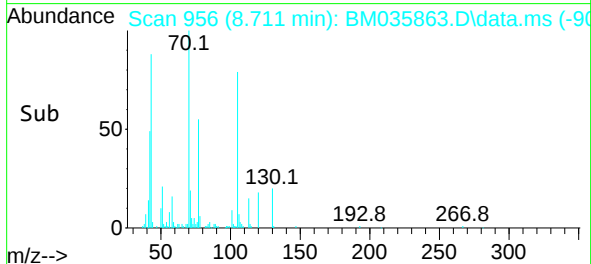
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



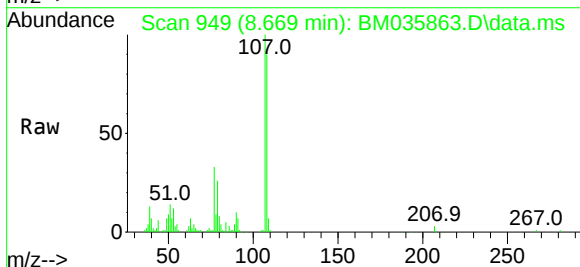
Tgt Ion: 70 Resp: 45504
Ion Ratio Lower Upper
70 100
42 54.9 55.4 83.2
101 9.4 7.8 11.6
130 19.7 17.0 25.6

Manual Integrations
APPROVED

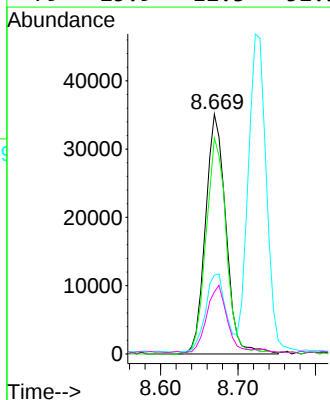
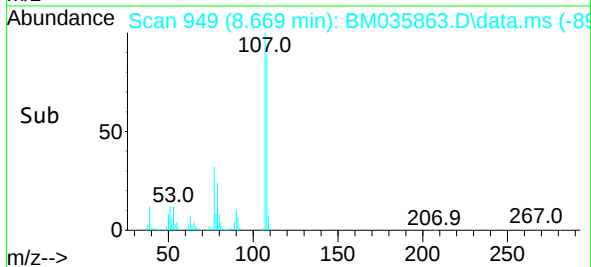
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

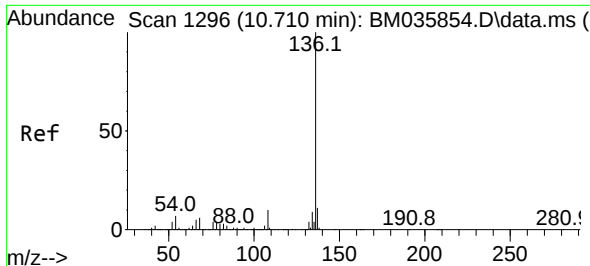


#20
3+4-Methylphenols
Concen: 3.269 ng
RT: 8.669 min Scan# 949
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



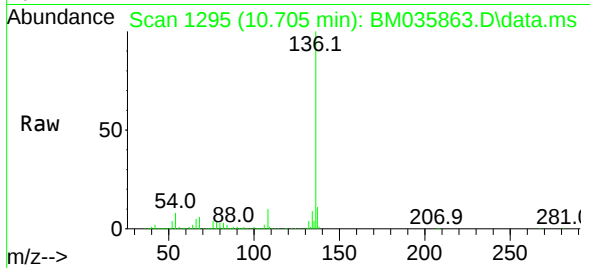
Tgt Ion:107 Resp: 64342
Ion Ratio Lower Upper
107 100
108 90.0 69.3 109.3
77 32.9 15.8 55.8
79 25.9 12.3 52.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

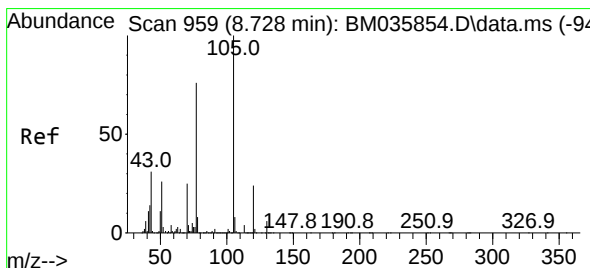
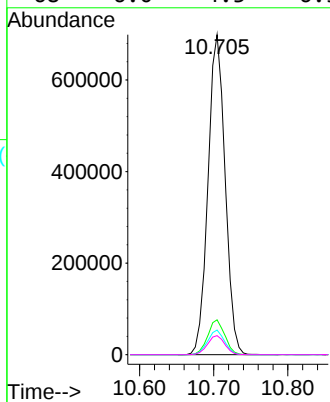
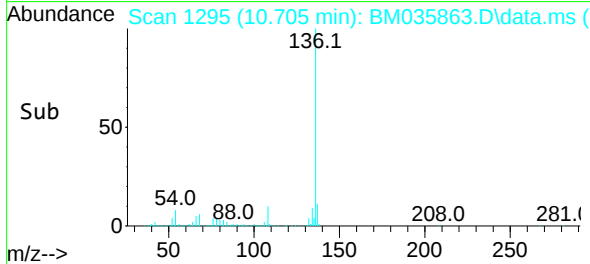
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 112055
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 7.0 10.4
68 6.0 4.3 6.5

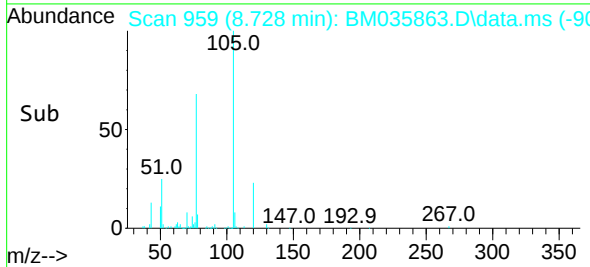
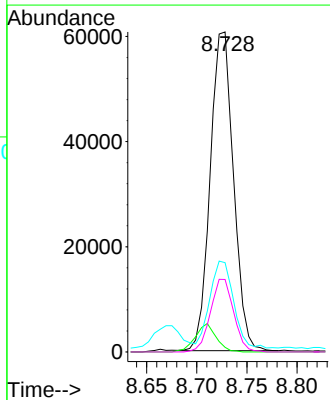
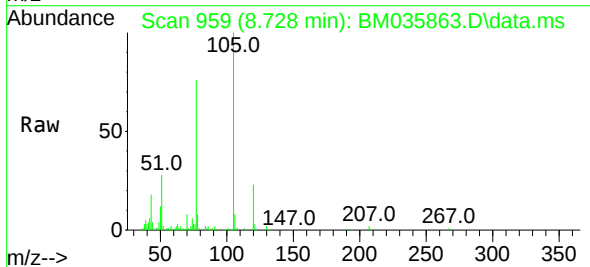
Manual Integrations
APPROVED

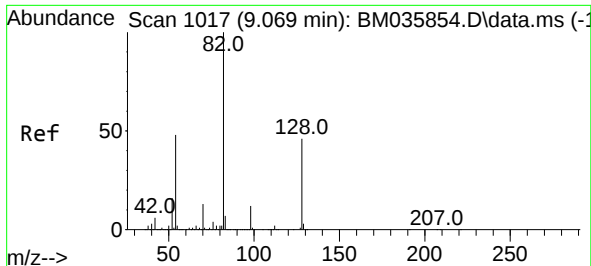
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#22
Acetophenone
Concen: 3.533 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

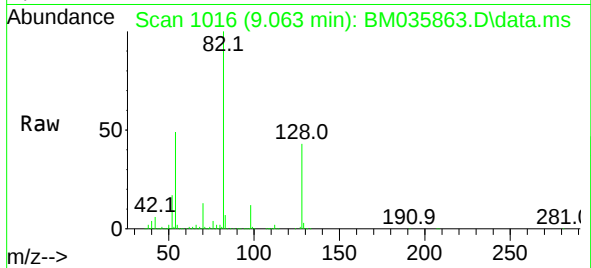
Tgt Ion:105 Resp: 97844
Ion Ratio Lower Upper
105 100
71 1.5 5.0 7.4#
51 27.9 25.6 38.4
120 22.6 17.8 26.8





#23
Nitrobenzene-d5
Concen: 84.687 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

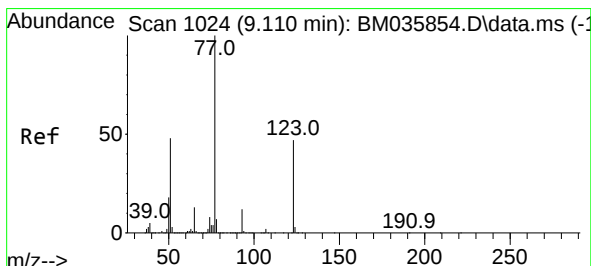
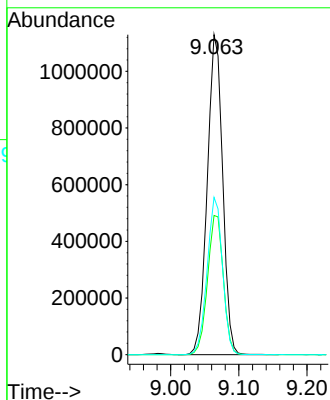
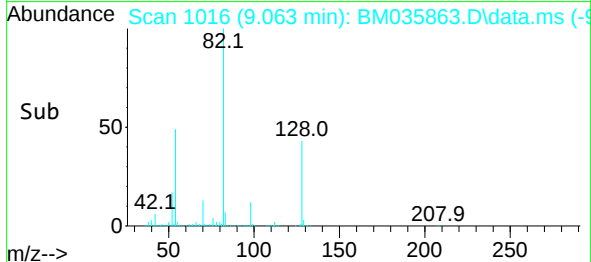
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 82 Resp: 1774298
Ion Ratio Lower Upper
82 100
128 43.5 33.7 50.5
54 49.2 43.2 64.8

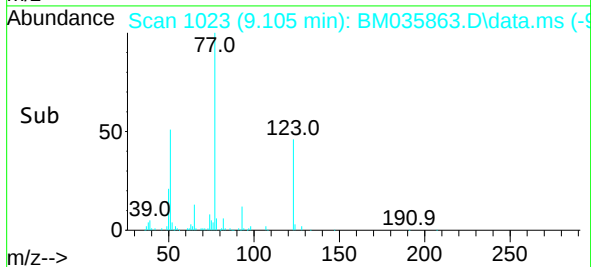
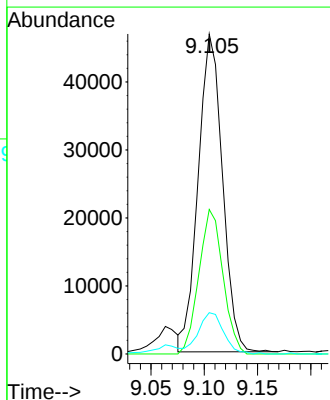
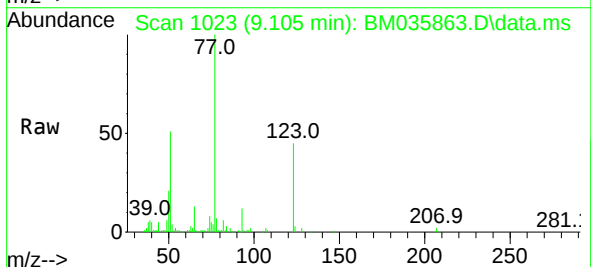
Manual Integrations
APPROVED

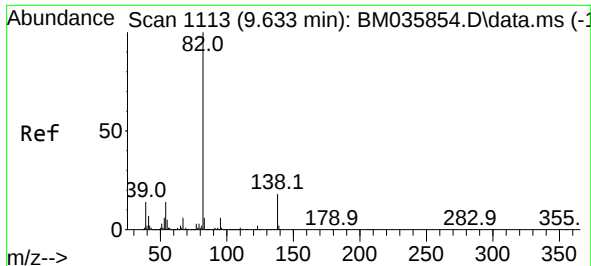
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#24
Nitrobenzene
Concen: 3.765 ng
RT: 9.105 min Scan# 1023
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

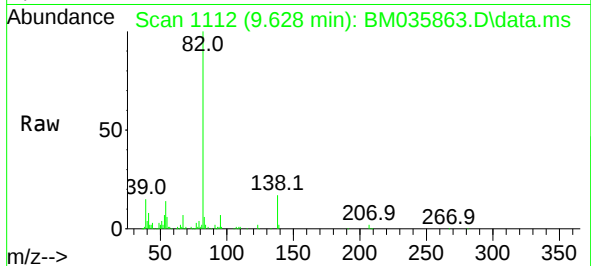
Tgt Ion: 77 Resp: 74088
Ion Ratio Lower Upper
77 100
123 45.2 36.2 54.4
65 12.9 11.4 17.0





#25
Isophorone
Concen: 3.757 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

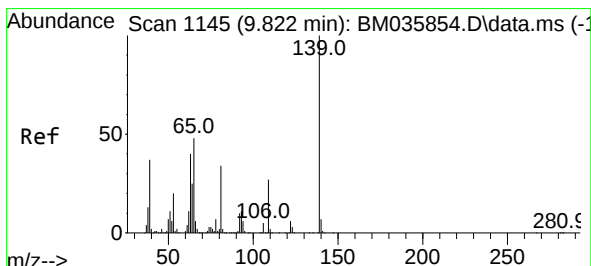
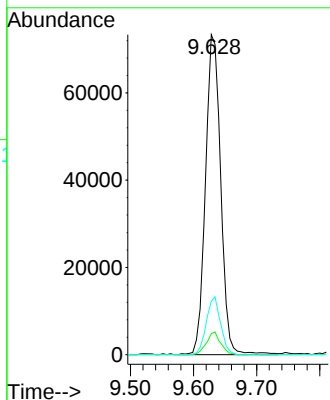
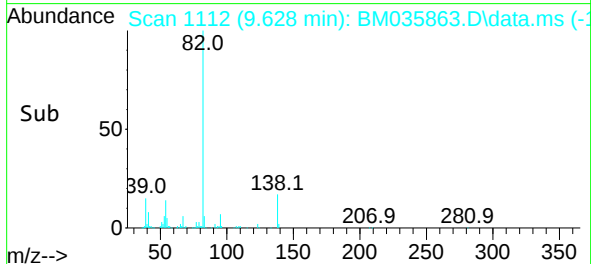
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



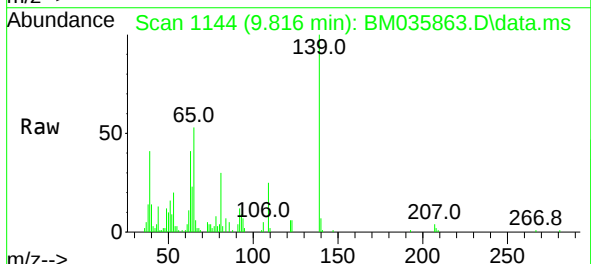
Tgt Ion: 82 Resp: 123130
Ion Ratio Lower Upper
82 100
95 6.5 6.4 9.6
138 16.7 14.2 21.4

Manual Integrations
APPROVED

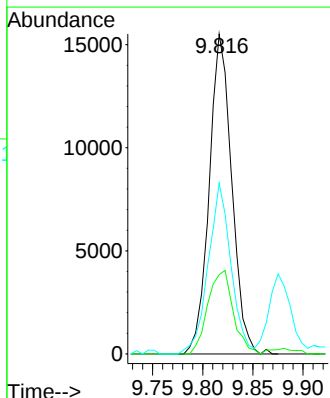
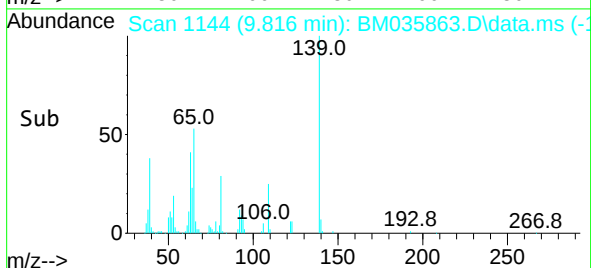
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

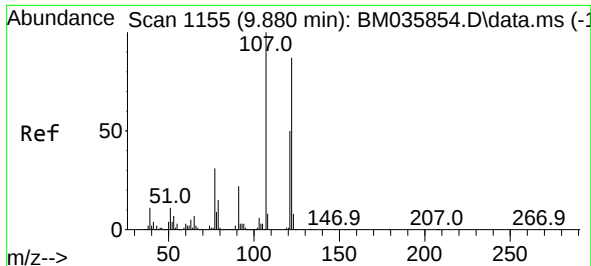


#26
2-Nitrophenol
Concen: 2.734 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



Tgt Ion:139 Resp: 24237
Ion Ratio Lower Upper
139 100
109 24.8 25.6 38.4#
65 53.4 43.2 64.8





#27

2,4-Dimethylphenol

Concen: 4.009 ng

RT: 9.875 min Scan# 1155

Delta R.T. -0.005 min

Lab File: BM035863.D

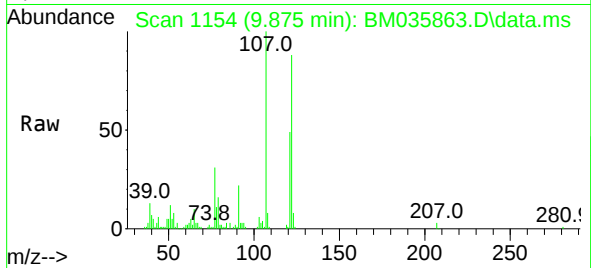
Acq: 19 Jul 2022 12:28

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



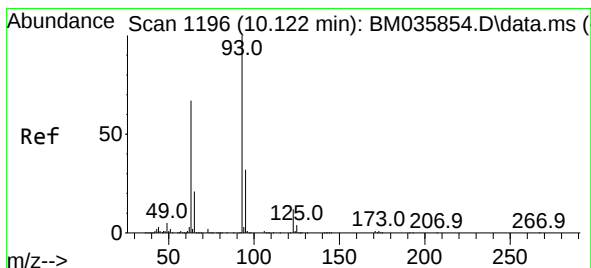
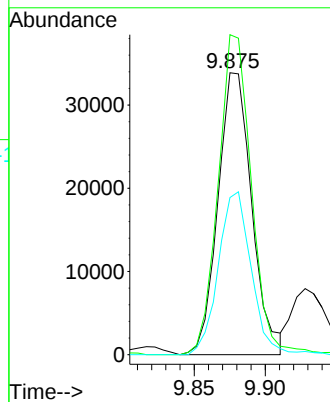
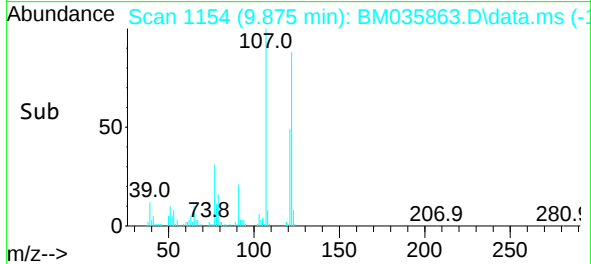
Tgt Ion:	122	Resp:	5606
Ion	Ratio	Lower	Upper
122	100		
107	113.5	92.4	138.6
121	55.7	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.546 ng

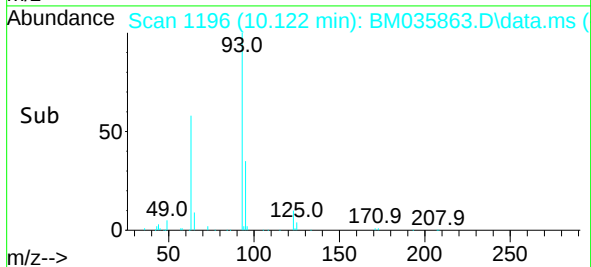
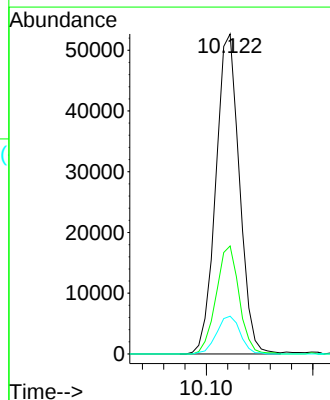
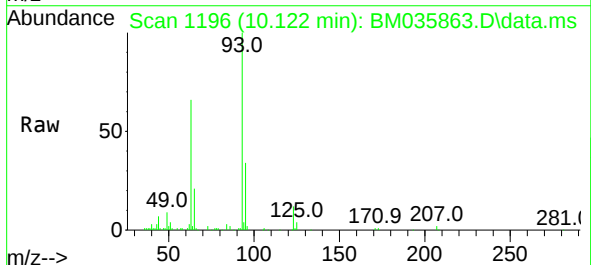
RT: 10.122 min Scan# 1196

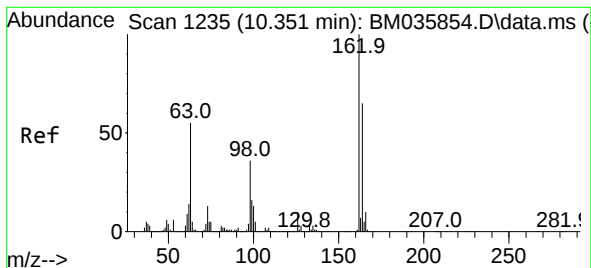
Delta R.T. 0.001 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

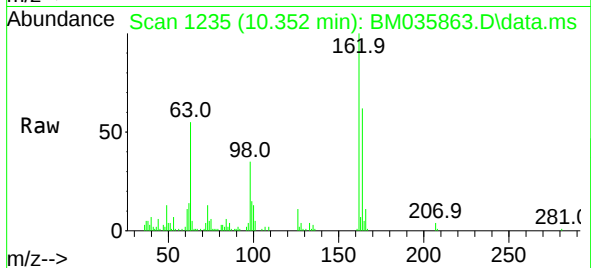
Tgt Ion:	93	Resp:	80886
Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.1	39.1
123	11.8	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 3.070 ng
RT: 10.352 min Scan# 1235
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

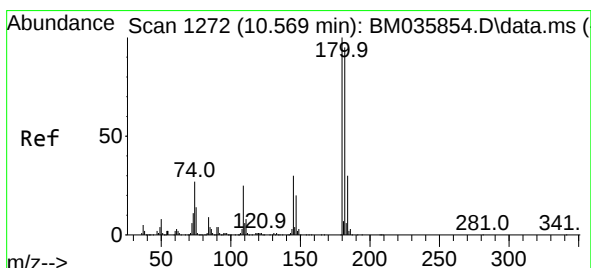
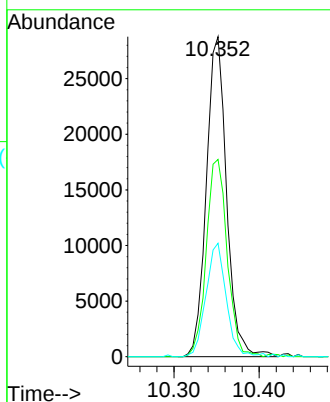
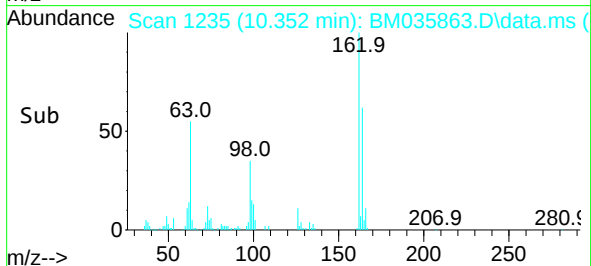
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



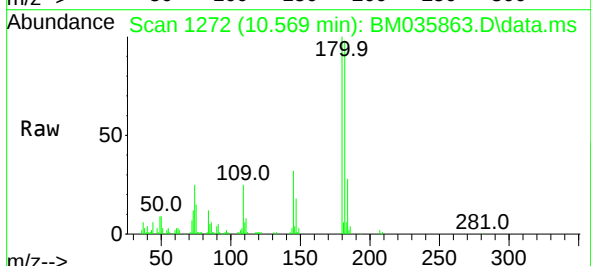
Tgt Ion:162 Resp: 4758
Ion Ratio Lower Upper
162 100
164 61.6 44.2 84.2
98 35.5 15.0 55.0

Manual Integrations
APPROVED

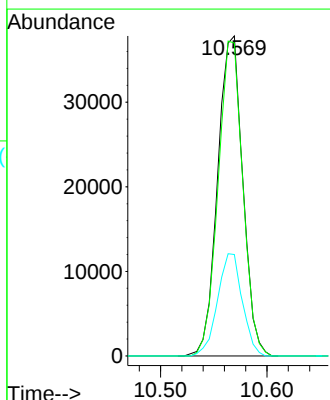
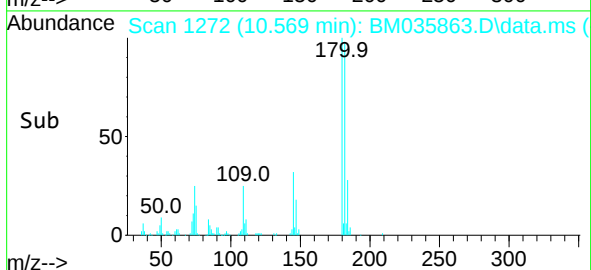
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

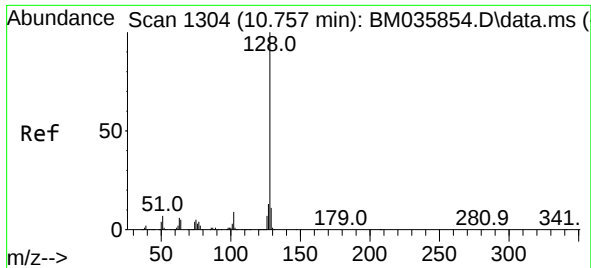


#30
1,2,4-Trichlorobenzene
Concen: 3.458 ng
RT: 10.569 min Scan# 1272
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



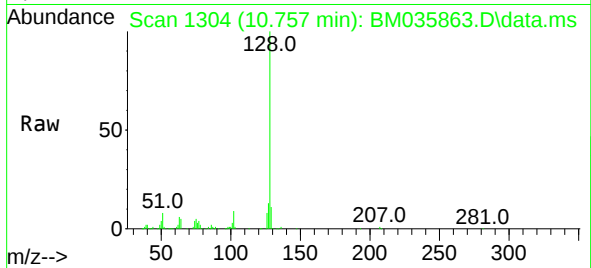
Tgt Ion:180 Resp: 61872
Ion Ratio Lower Upper
180 100
182 97.8 77.9 116.9
145 31.7 25.0 37.6





#31
Naphthalene
Concen: 3.700 ng
RT: 10.757 min Scan# 1163
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

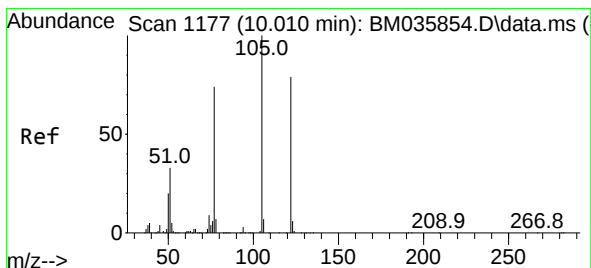
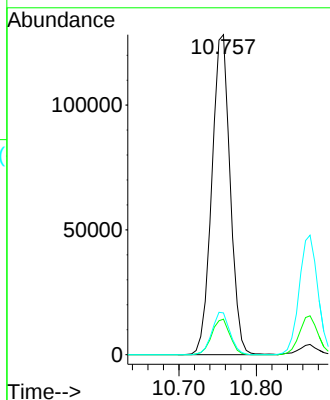
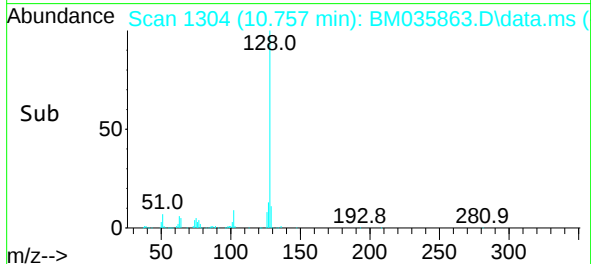
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:128 Resp: 210672
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.0 10.6 16.0

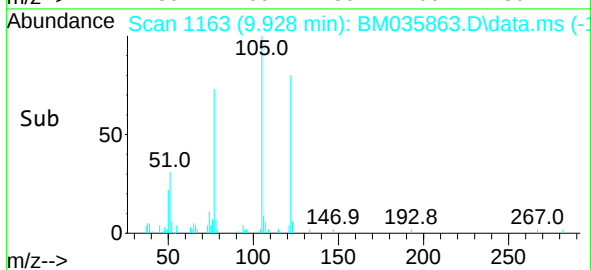
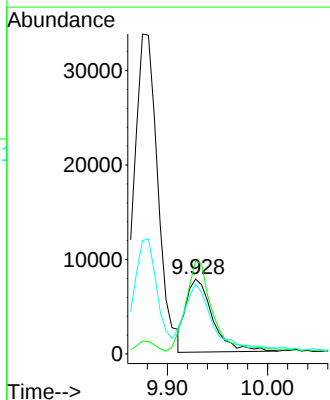
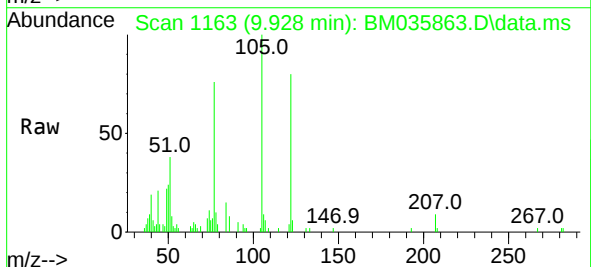
Manual Integrations
APPROVED

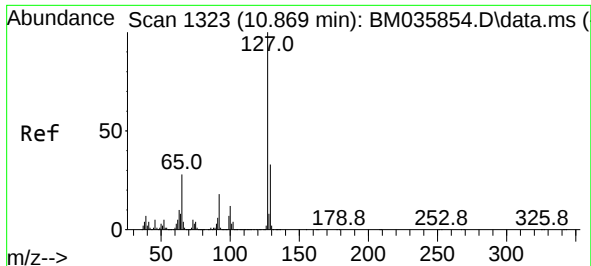
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#32
Benzoic acid
Concen: 1.358 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.082 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

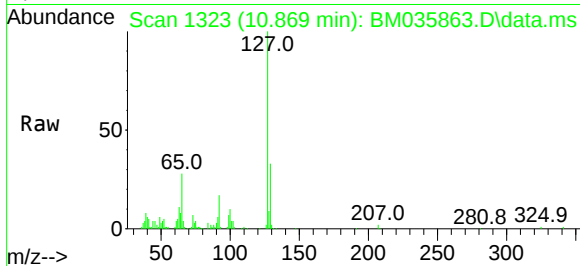
Tgt Ion:122 Resp: 14362
Ion Ratio Lower Upper
122 100
105 124.2 105.7 145.7
77 94.0 80.0 120.0





#33
4-Chloroaniline
Concen: 3.569 ng
RT: 10.869 min Scan# 1323
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

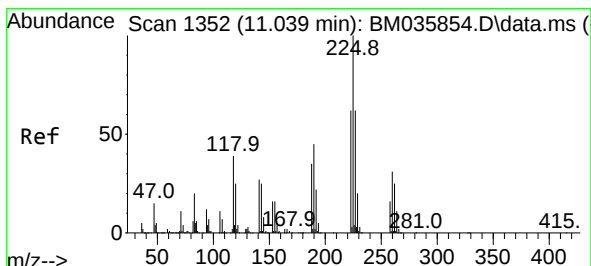
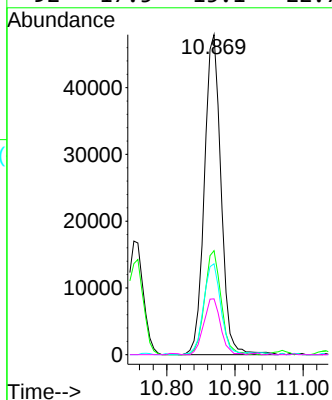
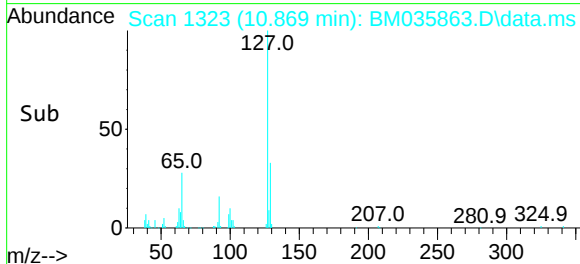
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



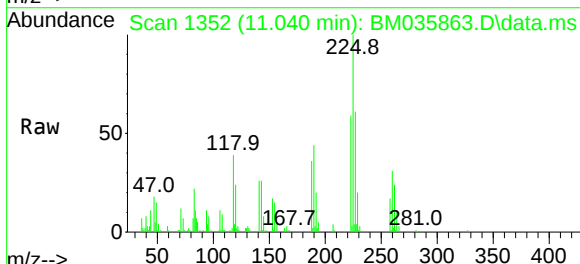
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	28.4	26.6	40.0
92	17.5	15.1	22.7

Manual Integrations
APPROVED

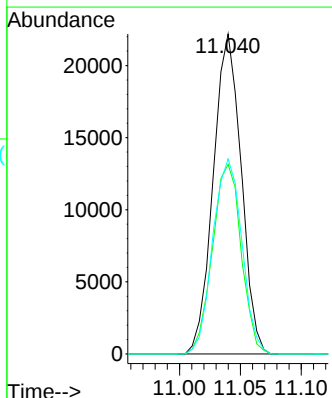
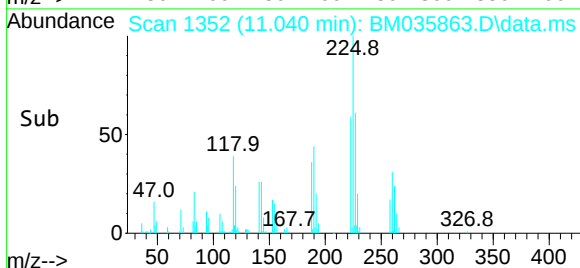
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

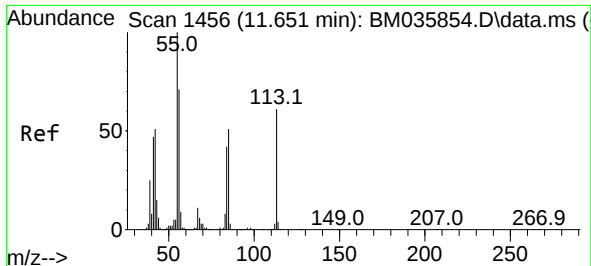


#34
Hexachlorobutadiene
Concen: 3.443 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



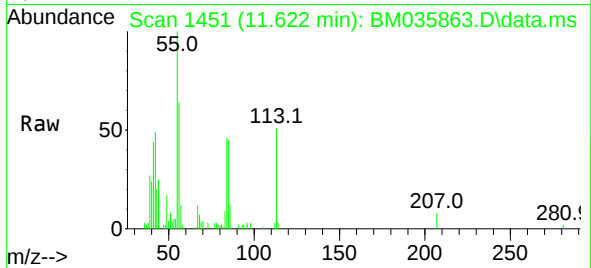
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	50.8	76.2
227	64.5	52.7	79.1





#35
Caprolactam
Concen: 2.548 ng
RT: 11.622 min Scan# 1456
Delta R.T. -0.029 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

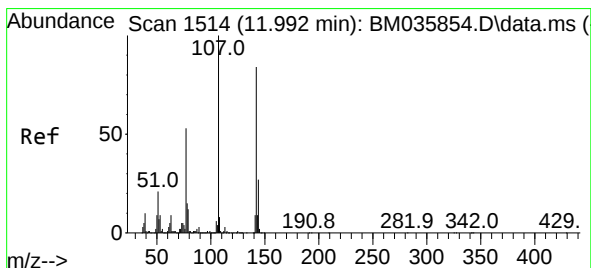
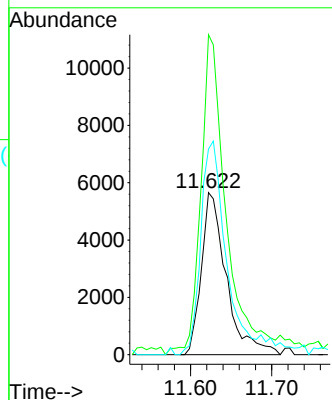
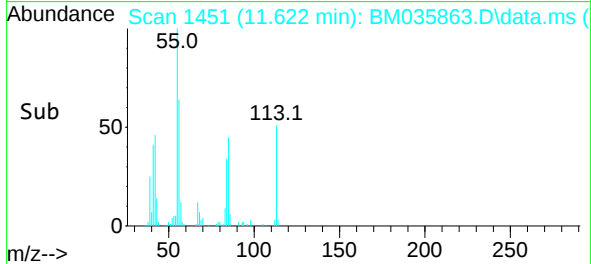
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



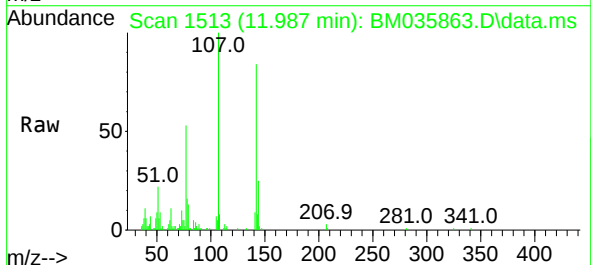
Tgt Ion:113 Resp: 1208
Ion Ratio Lower Upper
113 100
55 197.4 150.1 190.1
56 126.8 111.7 151.7

Manual Integrations
APPROVED

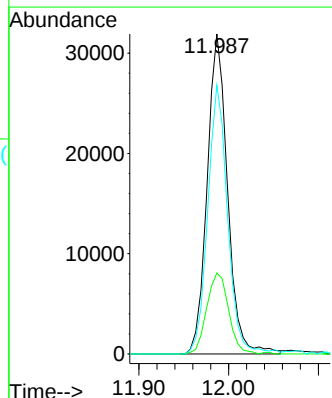
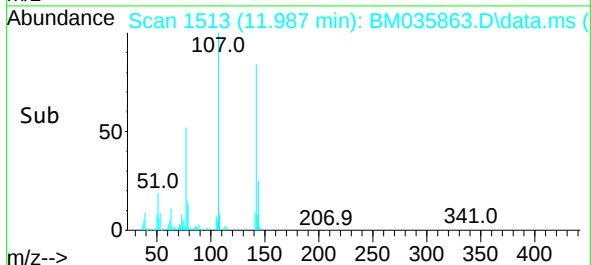
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

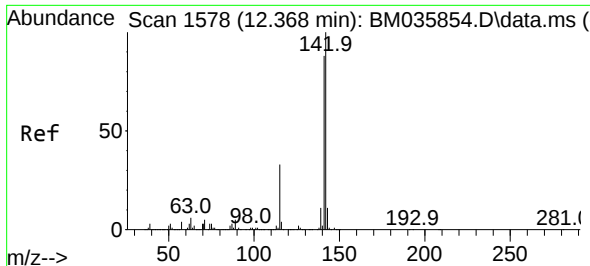


#36
4-Chloro-3-methylphenol
Concen: 3.171 ng
RT: 11.987 min Scan# 1513
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



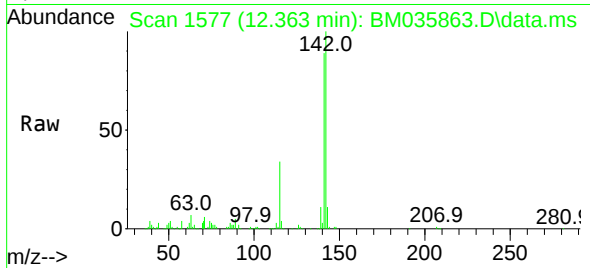
Tgt Ion:107 Resp: 50404
Ion Ratio Lower Upper
107 100
144 25.3 21.4 32.0
142 83.9 66.7 100.1





#37
2-Methylnaphthalene
Concen: 3.613 ng
RT: 12.363 min Scan# 1578
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

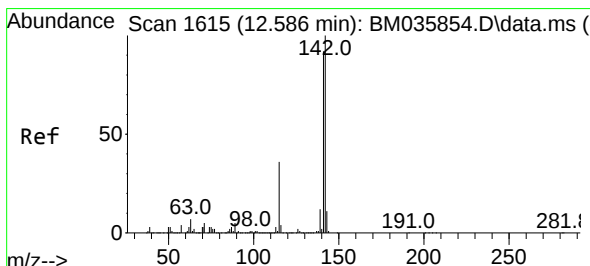
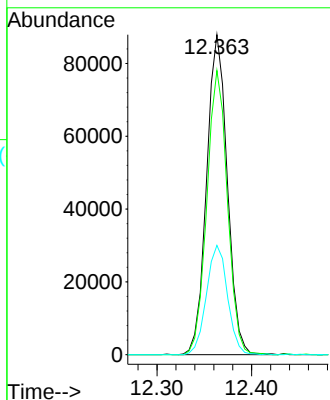
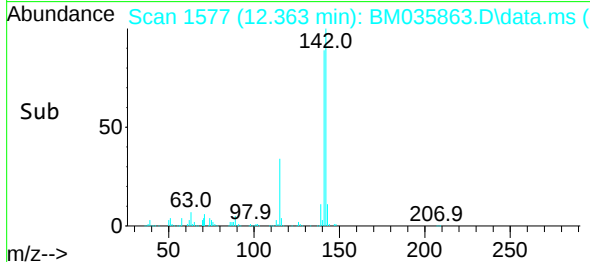
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



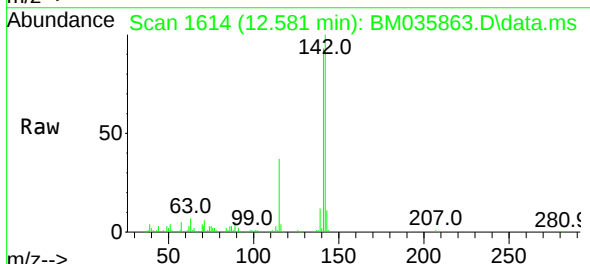
Tgt Ion:142 Resp: 133812
Ion Ratio Lower Upper
142 100
141 88.8 72.4 108.6
115 34.1 29.6 44.4

Manual Integrations
APPROVED

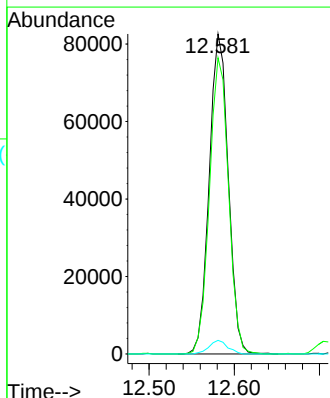
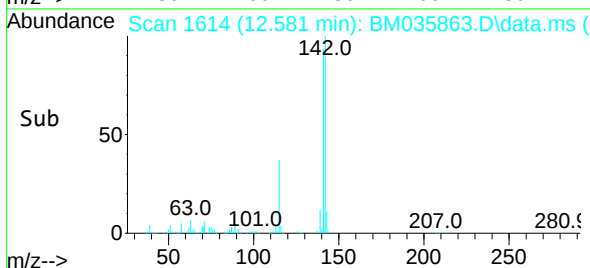
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

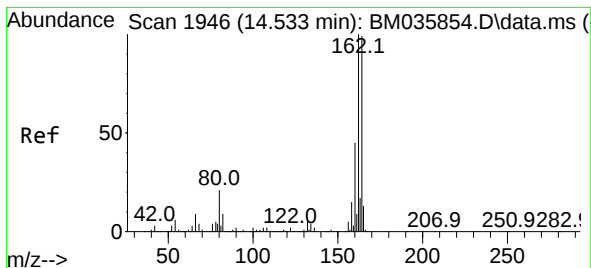


#38
1-Methylnaphthalene
Concen: 3.571 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



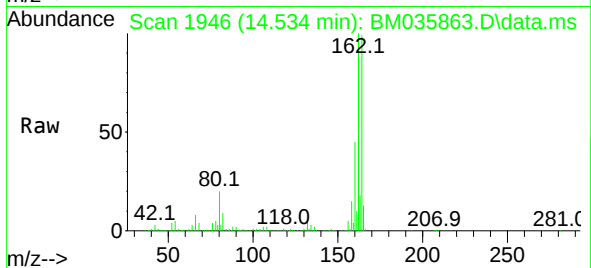
Tgt Ion:142 Resp: 128724
Ion Ratio Lower Upper
142 100
141 92.6 75.0 112.4
116 4.3 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

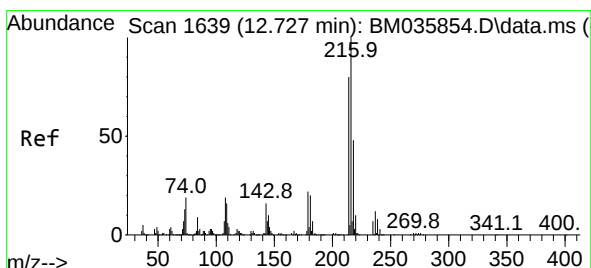
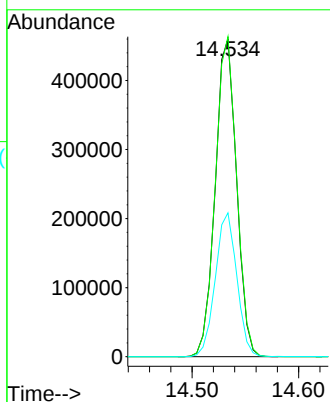
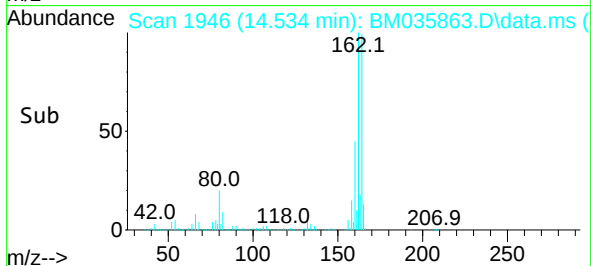
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



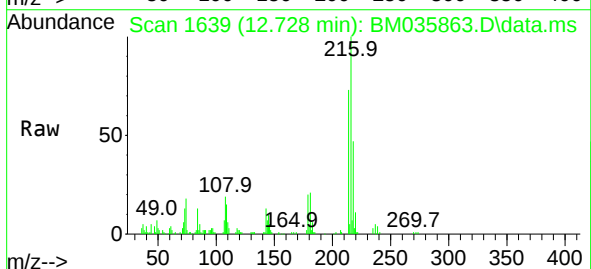
Tgt Ion:164 Resp: 639750
Ion Ratio Lower Upper
164 100
162 100.7 83.0 124.6
160 45.2 37.0 55.4

Manual Integrations
APPROVED

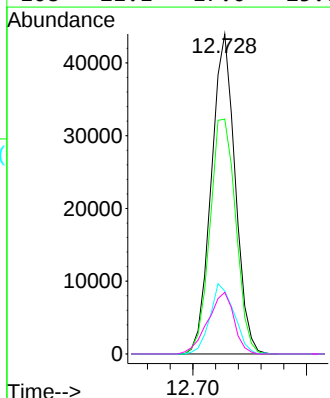
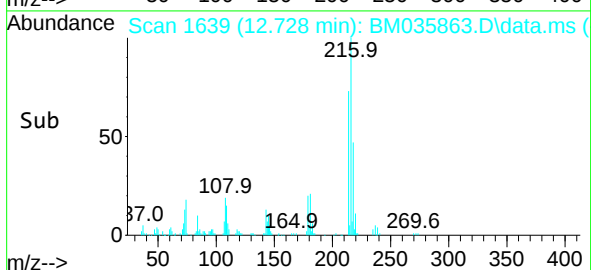
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

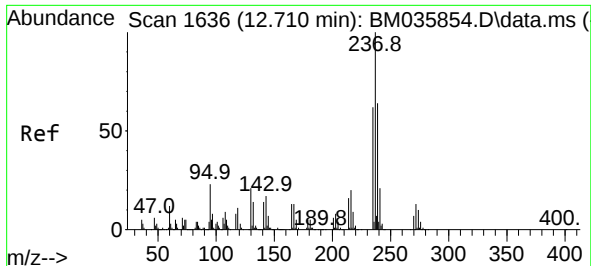


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.501 ng
RT: 12.728 min Scan# 1639
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



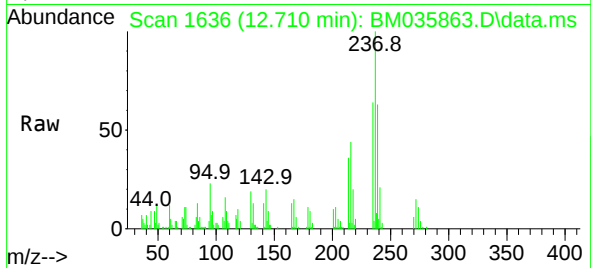
Tgt Ion:216 Resp: 63998
Ion Ratio Lower Upper
216 100
214 79.4 62.6 94.0
179 22.3 18.2 27.2
108 21.1 17.0 25.6





#41
Hexachlorocyclopentadiene
Concen: 3.605 ng
RT: 12.710 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

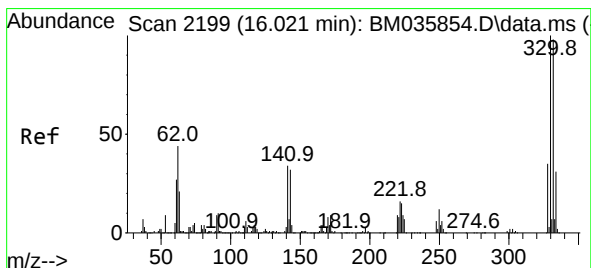
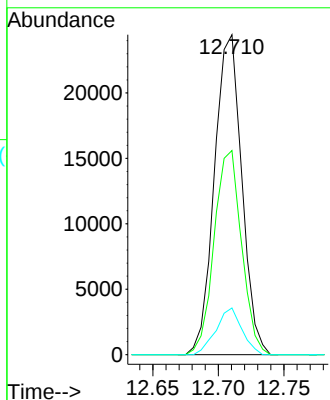
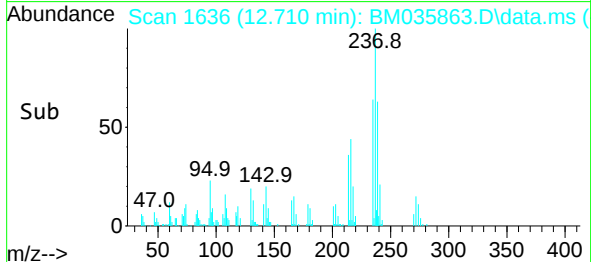
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



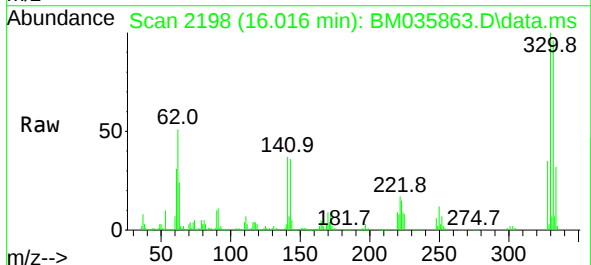
Tgt Ion: 237 Resp: 3551
Ion Ratio Lower Upper
237 100
235 63.8 43.8 83.8
272 14.6 0.0 32.5

Manual Integrations
APPROVED

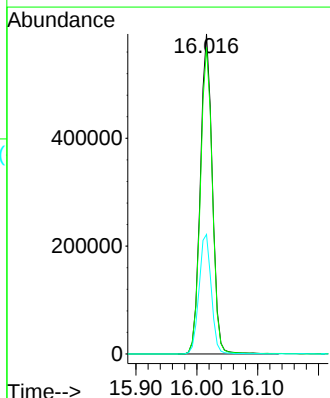
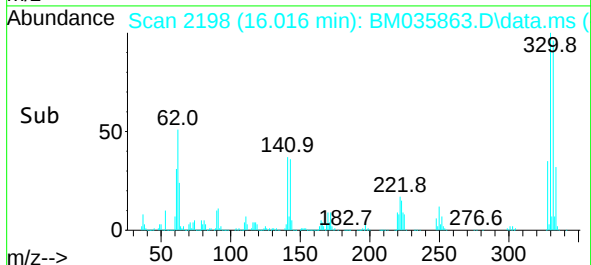
Reviewed By : Christian Giraldo 07/20/2022
Supervised By : Jagrut Upadhyay 07/20/2022

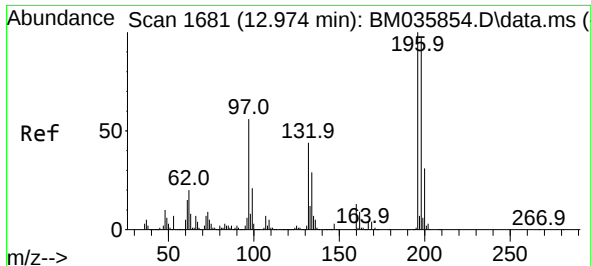


#42
2,4,6-Tribromophenol
Concen: 113.285 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



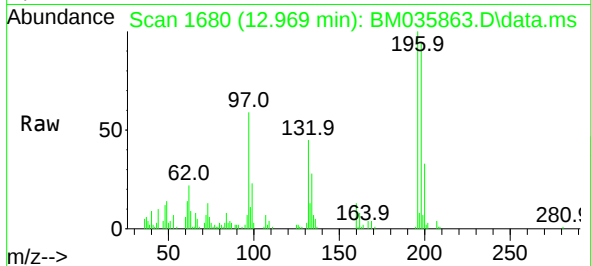
Tgt Ion: 330 Resp: 810669
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 38.2 35.3 52.9





#43
2,4,6-Trichlorophenol
Concen: 2.908 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

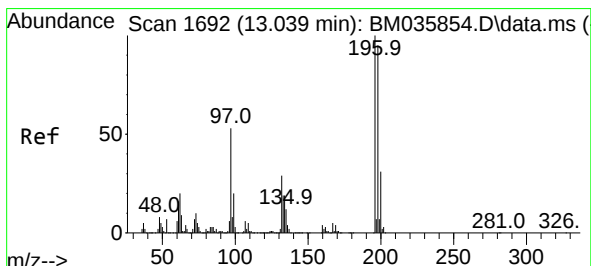
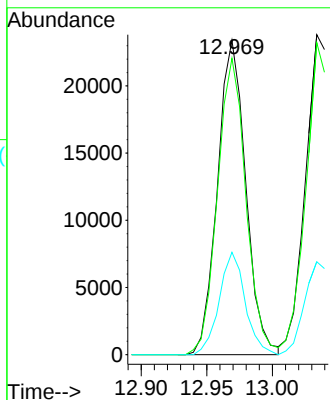
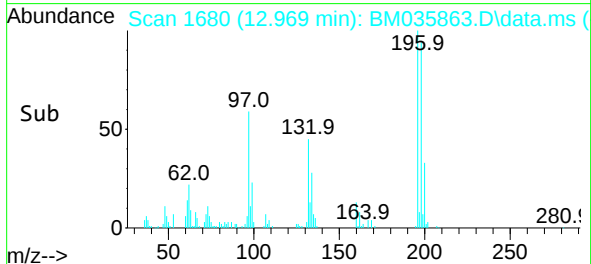
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:196 Resp: 35138
Ion Ratio Lower Upper
196 100
198 94.3 75.8 113.6
200 32.6 24.9 37.3

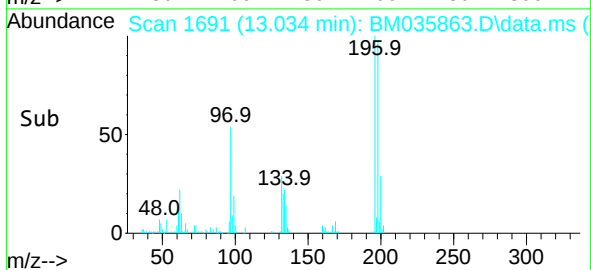
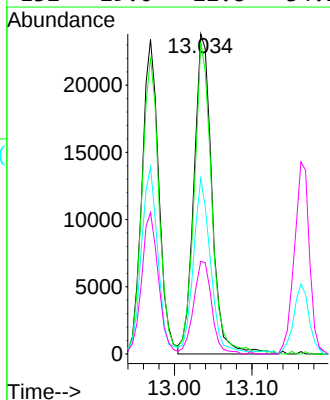
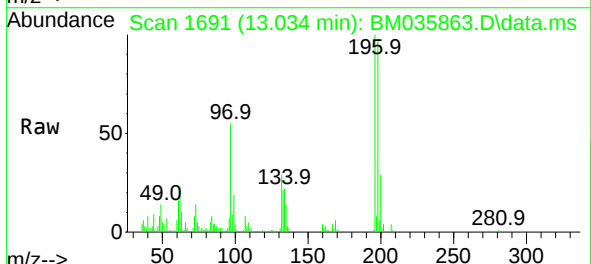
Manual Integrations
APPROVED

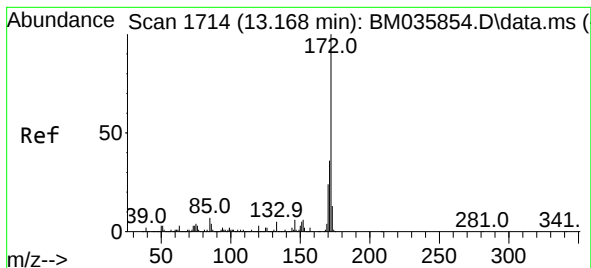
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#44
2,4,5-Trichlorophenol
Concen: 3.008 ng
RT: 13.034 min Scan# 1691
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

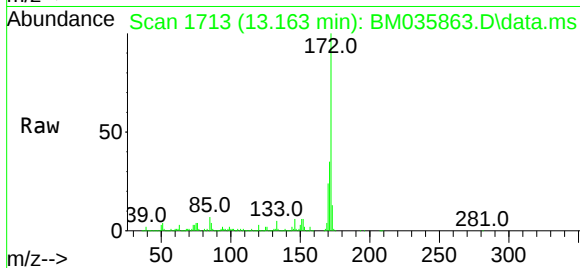
Tgt Ion:196 Resp: 38320
Ion Ratio Lower Upper
196 100
198 97.5 77.8 116.6
97 54.9 43.4 65.2
132 29.0 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 86.232 ng
RT: 13.163 min Scan# 1714
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

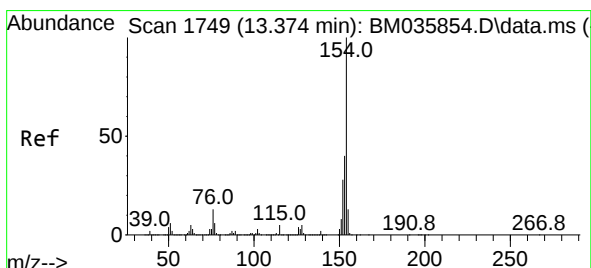
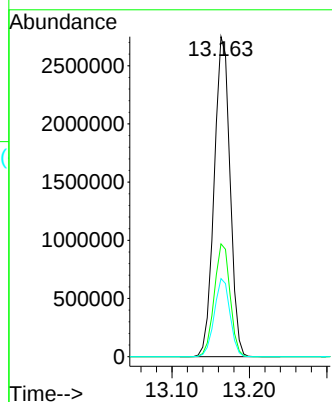
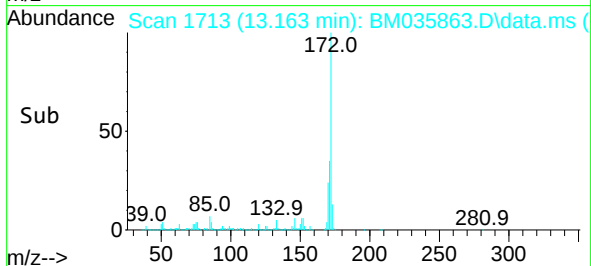
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



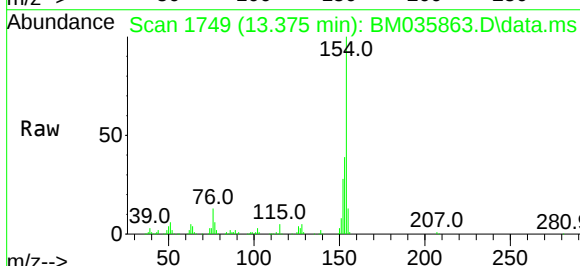
Tgt Ion:172 Resp: 390287
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 24.4 18.7 28.1

Manual Integrations
APPROVED

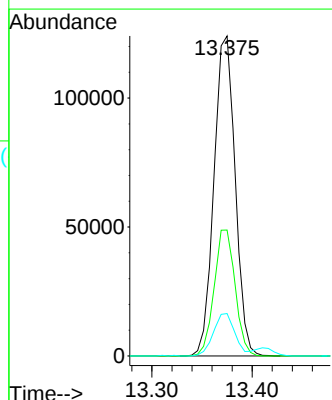
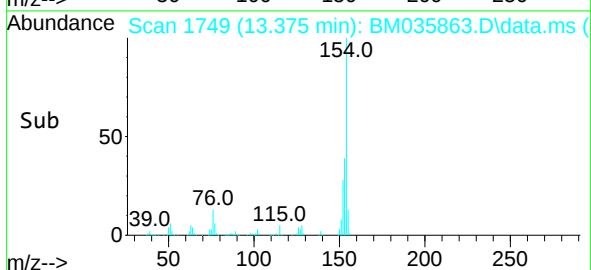
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

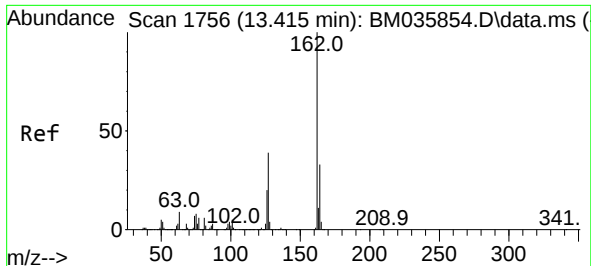


#46
1,1'-Biphenyl
Concen: 3.745 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



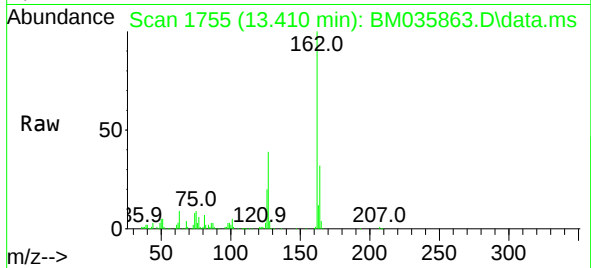
Tgt Ion:154 Resp: 182236
Ion Ratio Lower Upper
154 100
153 39.4 20.5 60.5
76 13.2 0.0 31.8





#47
2-Chloronaphthalene
Concen: 3.567 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

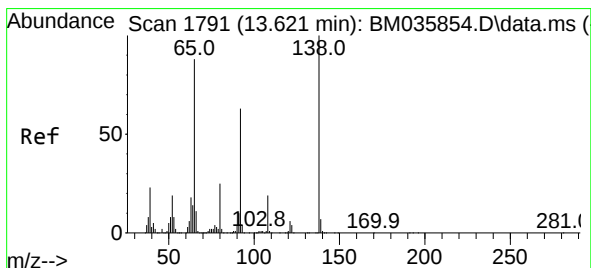
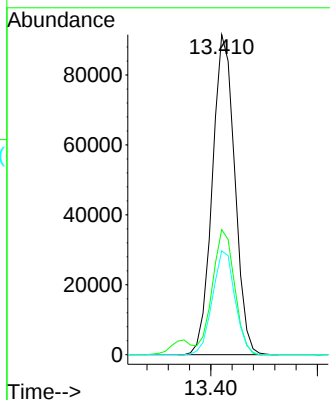
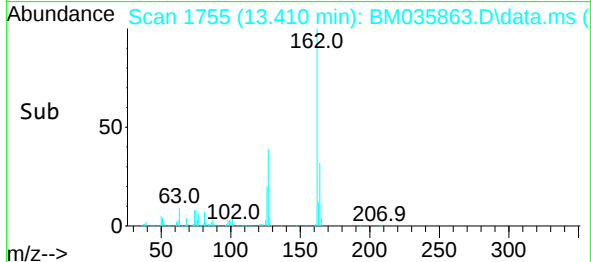
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



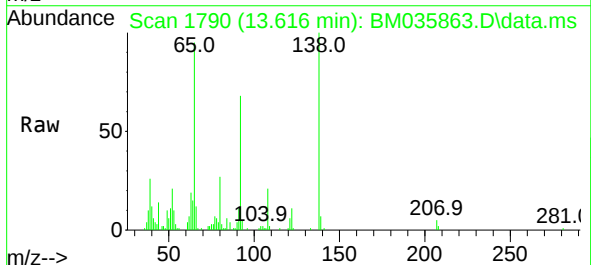
Tgt Ion:162 Resp: 133419
Ion Ratio Lower Upper
162 100
127 39.1 30.6 45.8
164 32.4 26.6 39.8

Manual Integrations
APPROVED

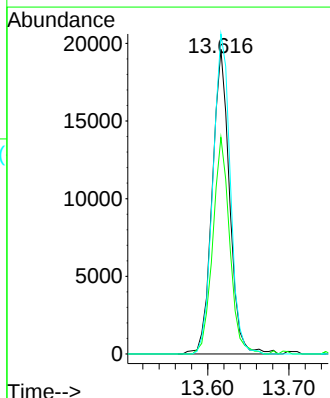
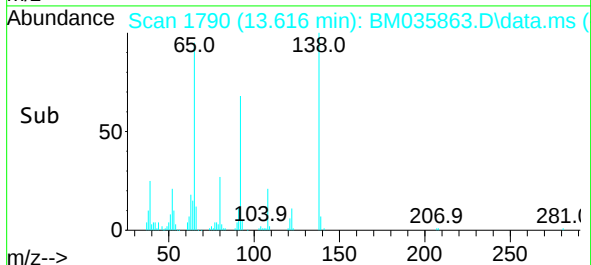
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

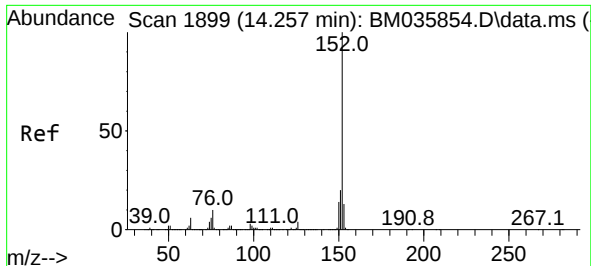


#48
2-Nitroaniline
Concen: 2.822 ng
RT: 13.616 min Scan# 1790
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



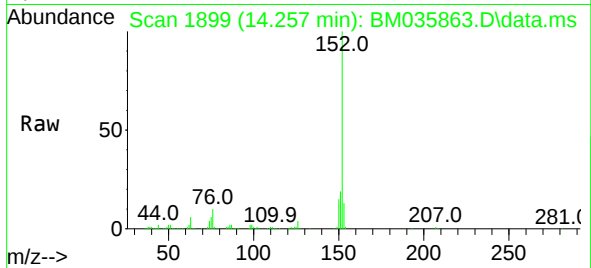
Tgt Ion: 65 Resp: 29090
Ion Ratio Lower Upper
65 100
92 71.1 53.7 80.5
138 105.1 83.9 125.9





#49
Acenaphthylene
Concen: 3.619 ng
RT: 14.257 min Scan# 1899
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

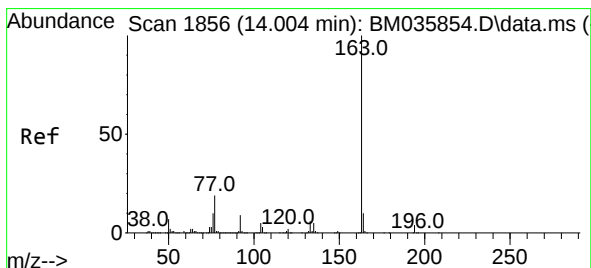
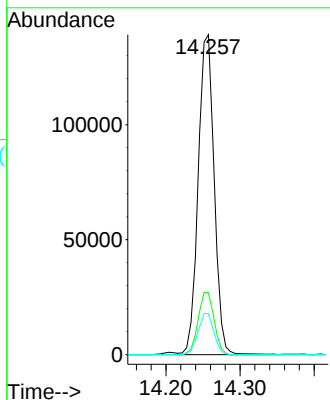
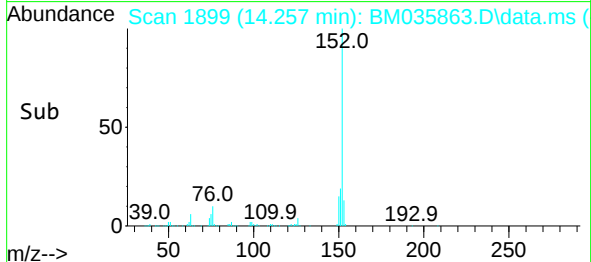
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



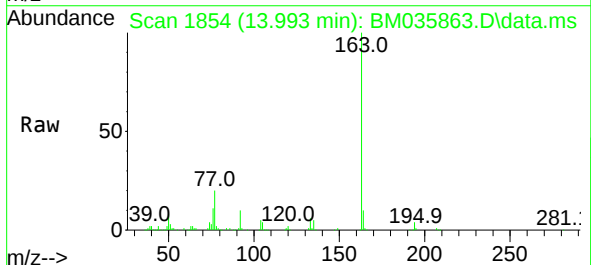
Tgt Ion:152 Resp: 208410
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.2
153 12.8 10.5 15.7

Manual Integrations
APPROVED

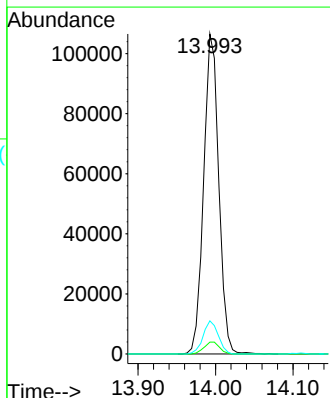
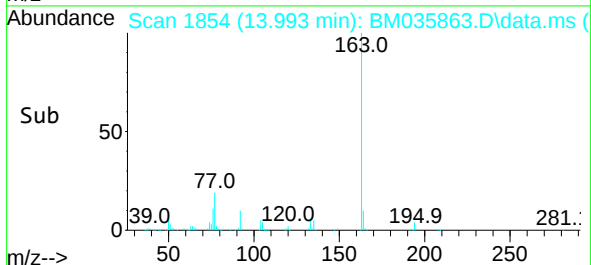
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

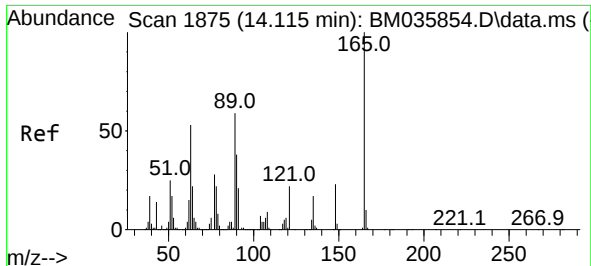


#50
Dimethylphthalate
Concen: 3.420 ng
RT: 13.993 min Scan# 1854
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



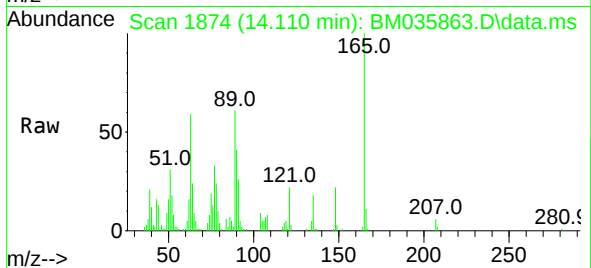
Tgt Ion:163 Resp: 144018
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.4 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 3.034 ng
RT: 14.110 min Scan# 1875
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

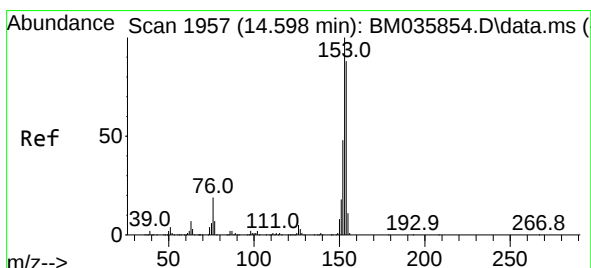
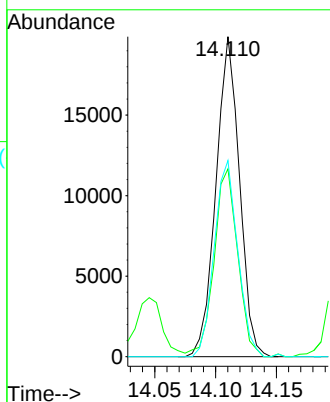
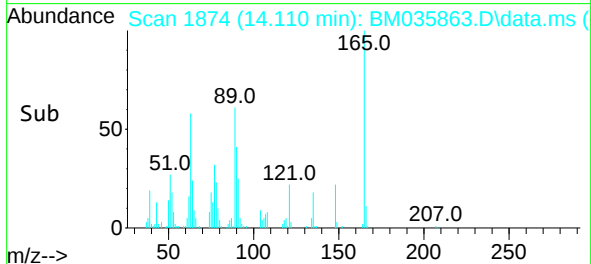
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:165 Resp: 26714
Ion Ratio Lower Upper
165 100
63 58.7 50.2 75.2
89 61.3 48.4 72.6

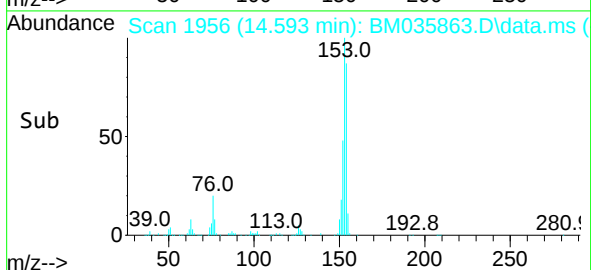
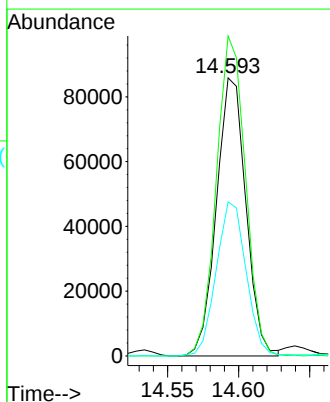
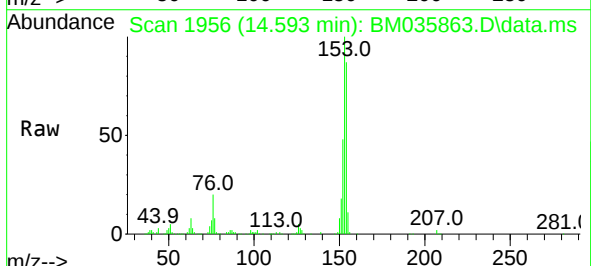
Manual Integrations
APPROVED

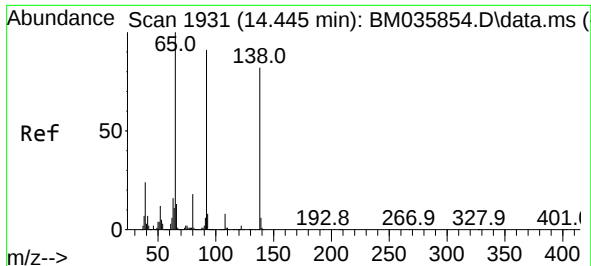
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#52
Acenaphthene
Concen: 3.591 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

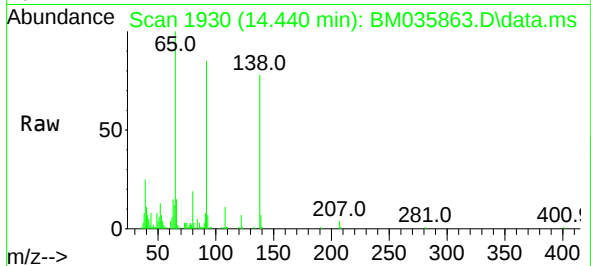
Tgt Ion:154 Resp: 123903
Ion Ratio Lower Upper
154 100
153 115.1 91.0 136.6
152 55.4 43.4 65.2





#53
3-Nitroaniline
Concen: 2.768 ng
RT: 14.440 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

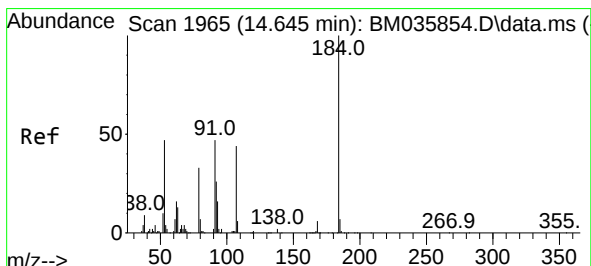
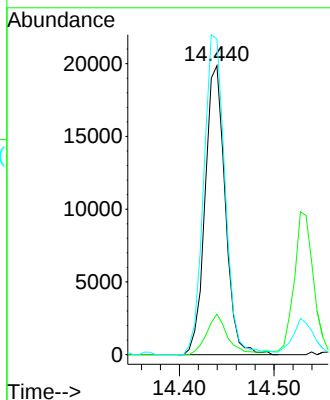
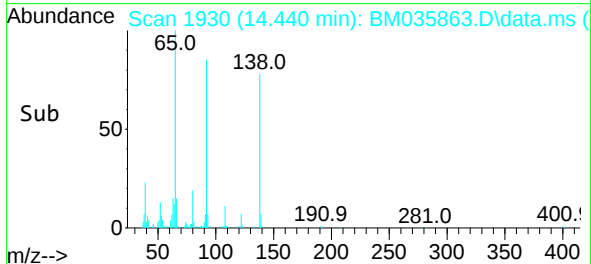
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:138 Resp: 2934
Ion Ratio Lower Upper
138 100
108 14.0 8.7 13.1
92 109.3 91.5 137.3

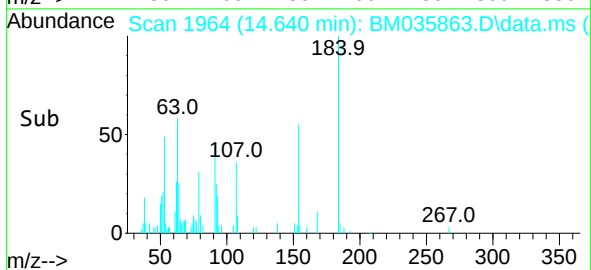
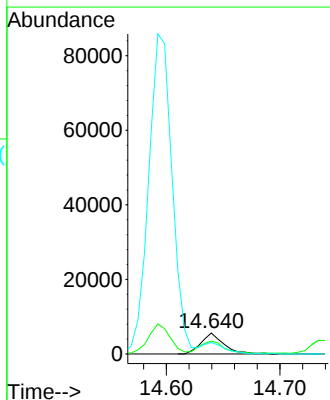
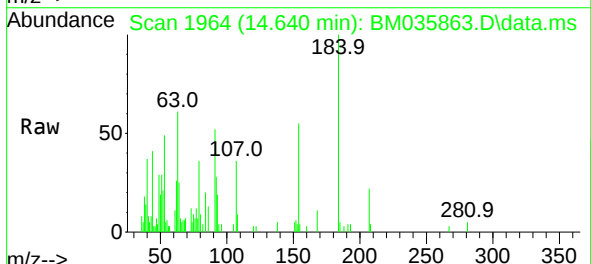
Manual Integrations
APPROVED

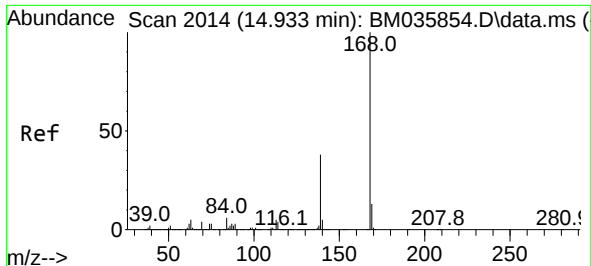
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#54
2,4-Dinitrophenol
Concen: 1.776 ng
RT: 14.640 min Scan# 1964
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

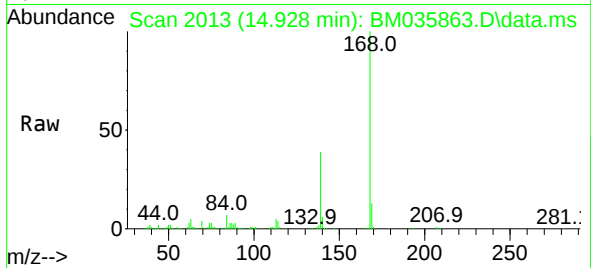
Tgt Ion:184 Resp: 7704
Ion Ratio Lower Upper
184 100
63 61.0 59.5 89.3
154 55.2 55.6 83.4#





#55
Dibenzenofuran
Concen: 3.574 ng
RT: 14.928 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

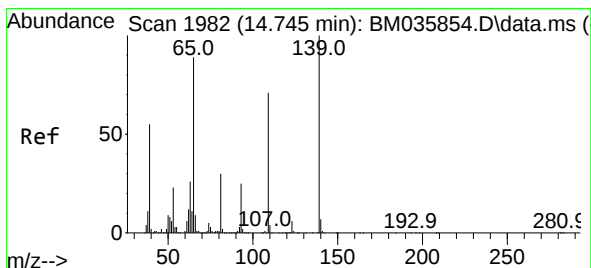
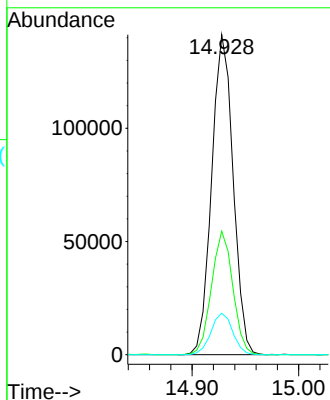
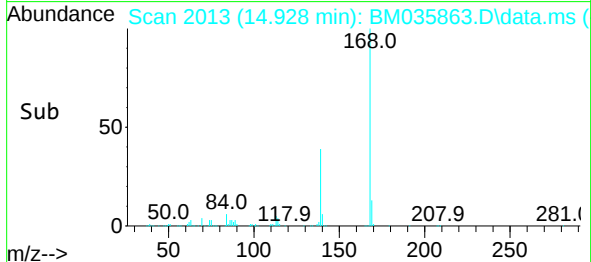
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 19755
Ion Ratio Lower Upper
168 100
139 38.6 32.2 48.2
169 12.9 10.6 16.0

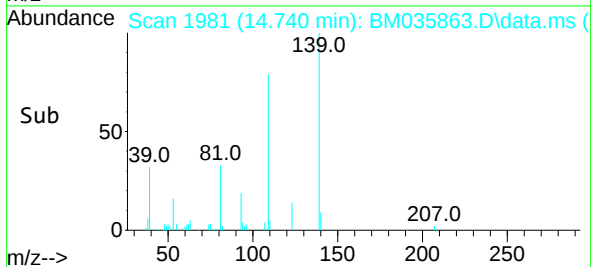
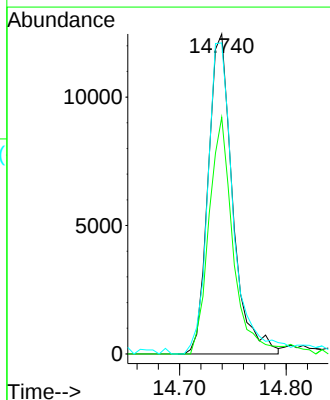
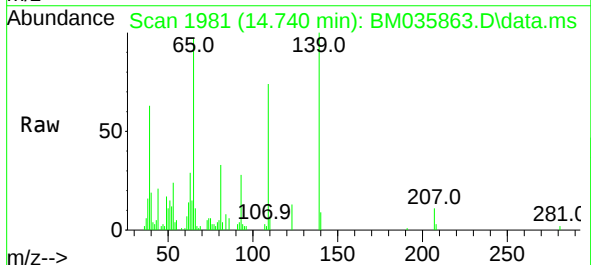
Manual Integrations
APPROVED

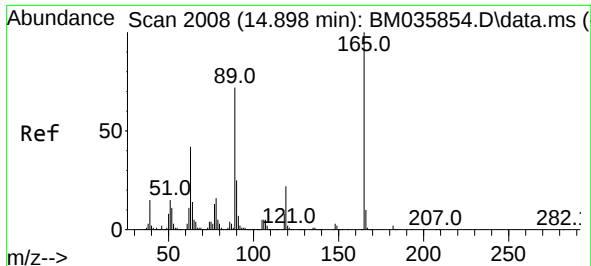
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#56
4-Nitrophenol
Concen: 2.387 ng
RT: 14.740 min Scan# 1981
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Tgt Ion:139 Resp: 19857
Ion Ratio Lower Upper
139 100
109 73.9 62.5 102.5
65 97.2 83.5 123.5





#57

2,4-Dinitrotoluene

Concen: 2.609 ng

RT: 14.893 min Scan# 2008

Delta R.T. -0.005 min

Lab File: BM035863.D

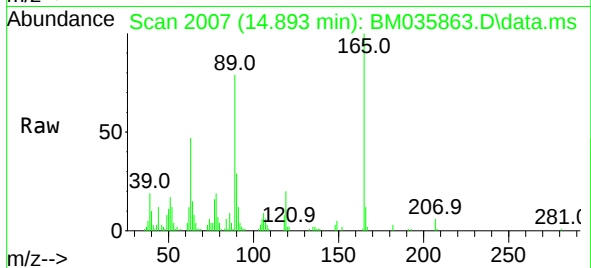
Acq: 19 Jul 2022 12:28

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:165 Resp: 3006

Ion Ratio Lower Upper

165 100

63 47.4 35.6 53.4

89 78.6 57.3 85.9

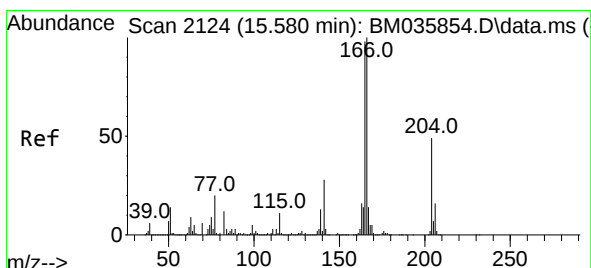
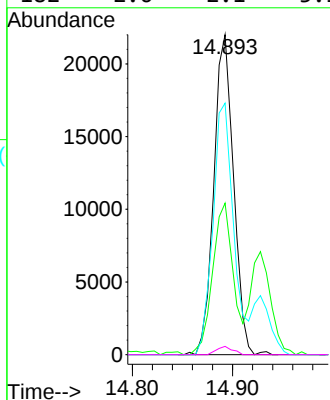
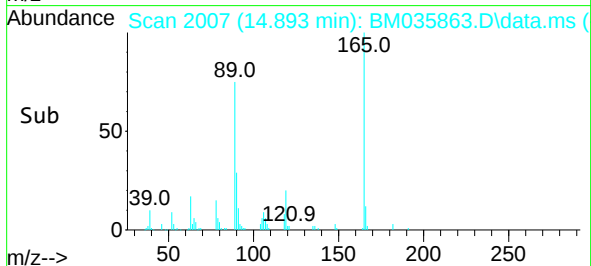
182 2.6 2.1 3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#58

Fluorene

Concen: 3.455 ng

RT: 15.575 min Scan# 2123

Delta R.T. -0.005 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

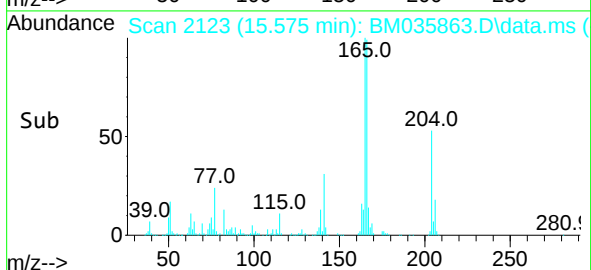
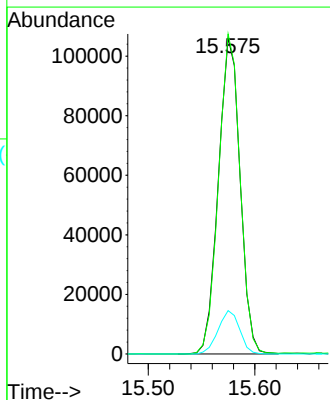
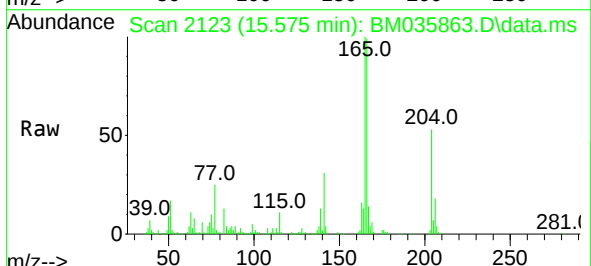
Tgt Ion:166 Resp: 149949

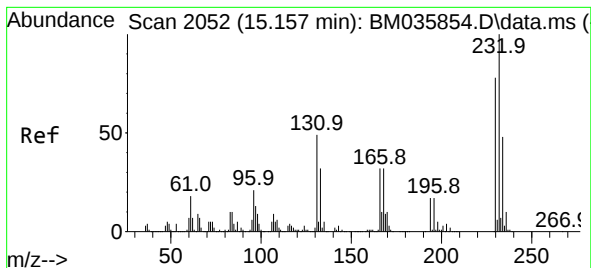
Ion Ratio Lower Upper

166 100

165 101.3 79.4 119.2

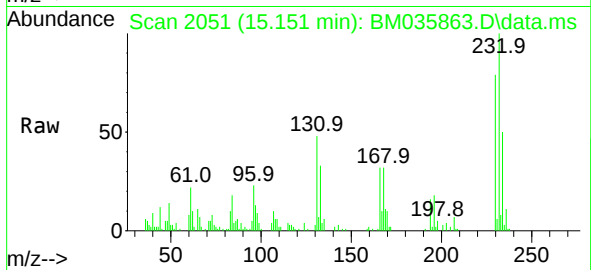
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.911 ng
RT: 15.151 min Scan# 2051
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

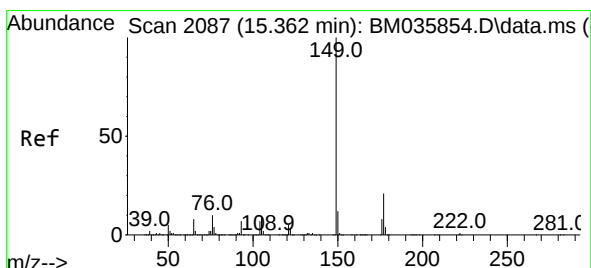
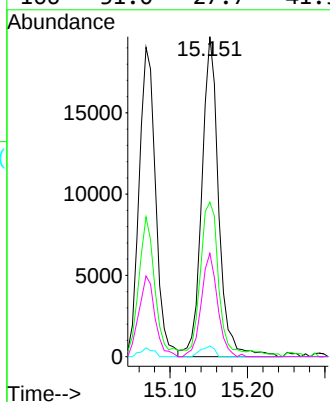
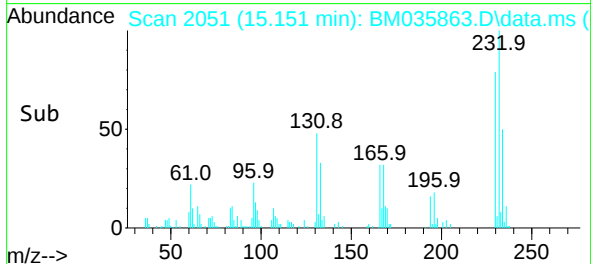
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



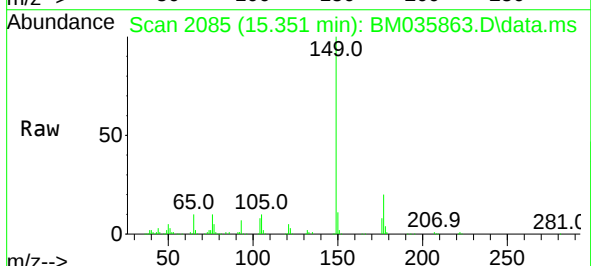
Tgt Ion:232 Resp: 29804
Ion Ratio Lower Upper
232 100
131 48.3 41.0 61.6
130 2.7 2.3 3.5
166 31.0 27.7 41.5

Manual Integrations
APPROVED

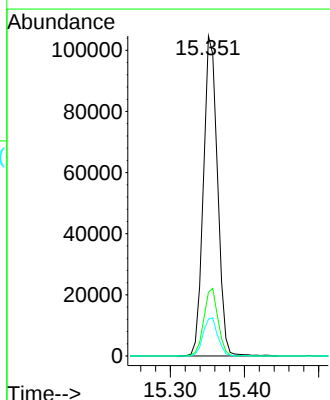
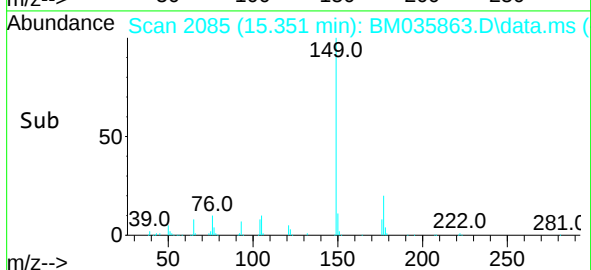
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

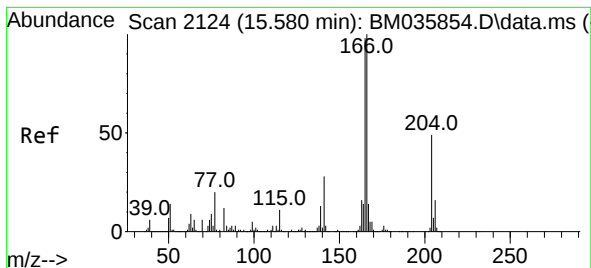


#60
Diethylphthalate
Concen: 3.318 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



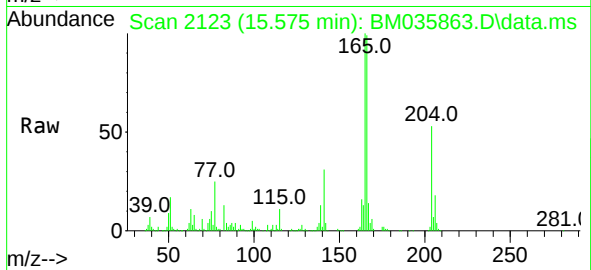
Tgt Ion:149 Resp: 138450
Ion Ratio Lower Upper
149 100
177 19.9 16.9 25.3
150 11.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 3.489 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

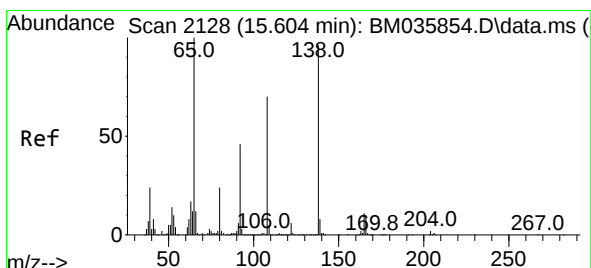
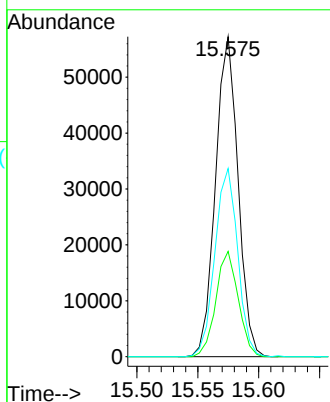
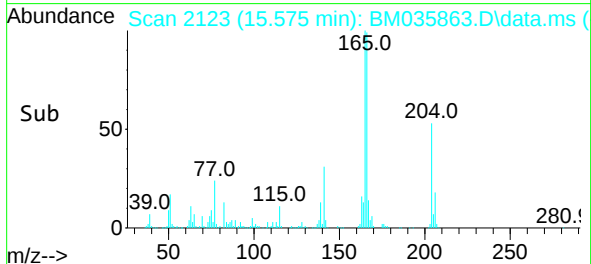
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:204 Resp: 73684
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 58.8 51.2 76.8

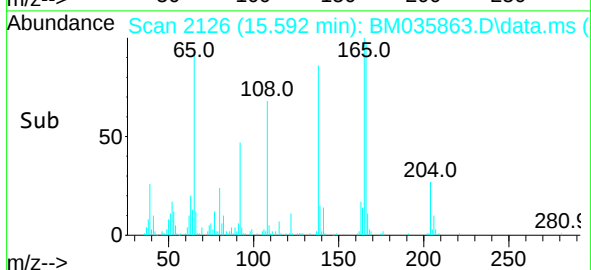
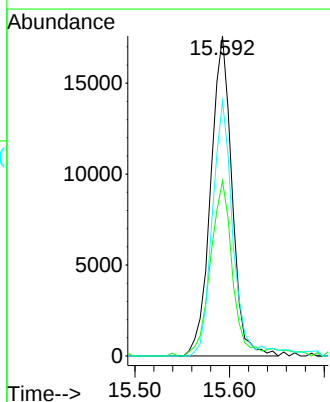
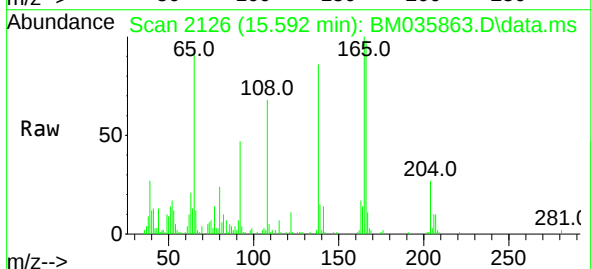
Manual Integrations
APPROVED

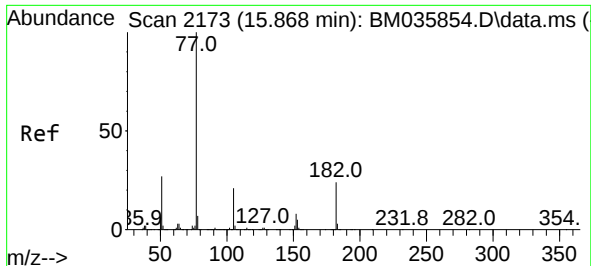
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#62
4-Nitroaniline
Concen: 2.527 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

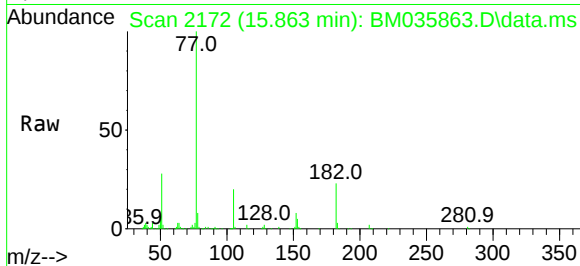
Tgt Ion:138 Resp: 27435
Ion Ratio Lower Upper
138 100
92 54.7 30.8 70.8
108 79.7 65.7 105.7





#63
Azobenzene
Concen: 3.184 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

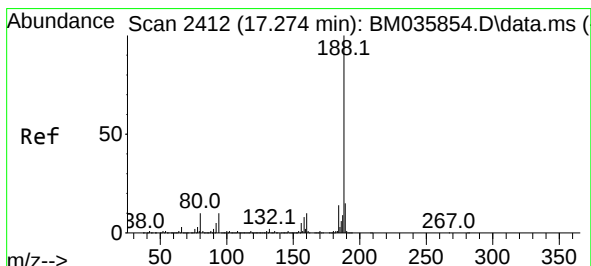
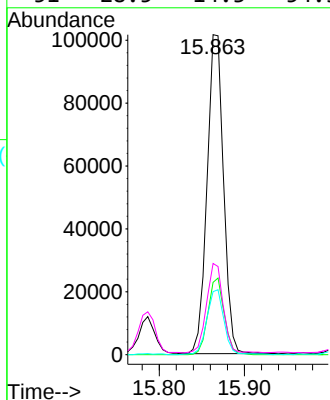
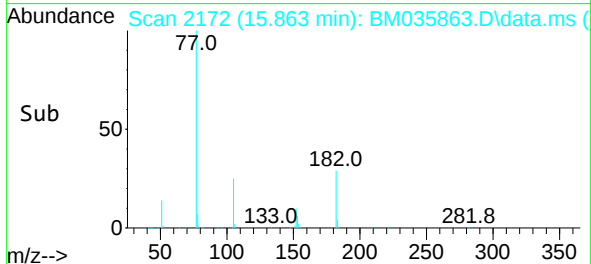
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 77 Resp: 136429
Ion Ratio Lower Upper
77 100
182 22.6 4.9 44.9
105 19.7 0.0 39.6
51 28.5 14.3 54.3

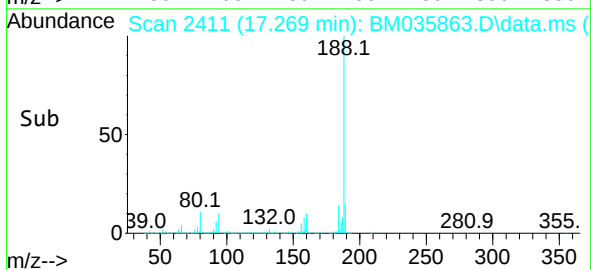
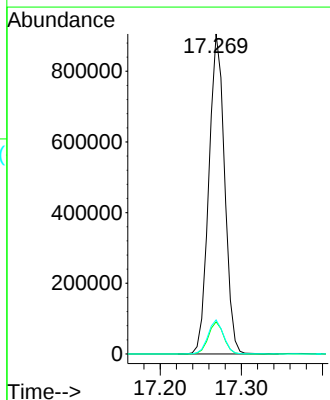
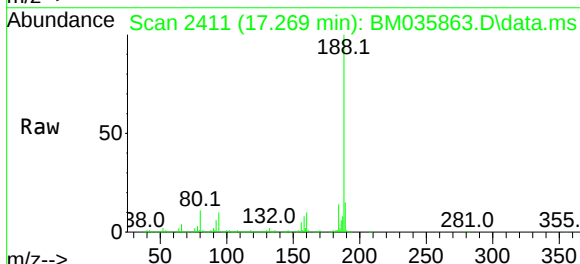
Manual Integrations
APPROVED

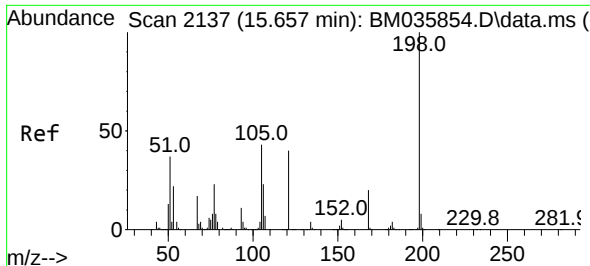
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Tgt Ion:188 Resp: 1219589
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.4
80 10.7 7.6 11.4





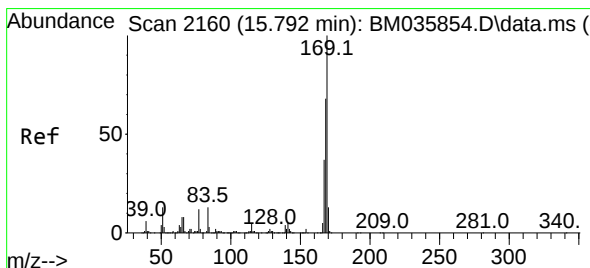
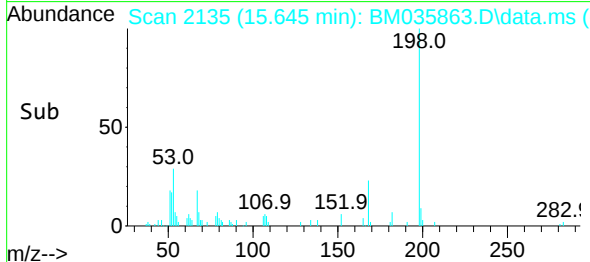
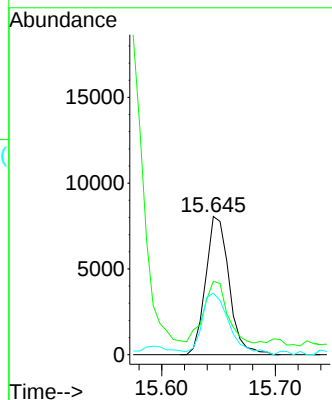
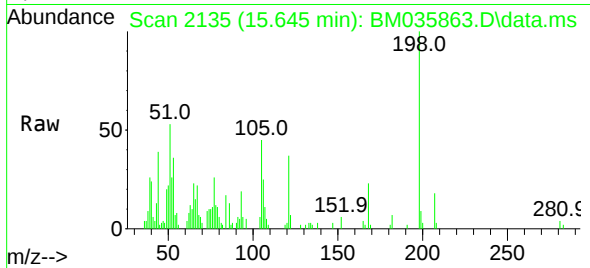
#65
4,6-Dinitro-2-methylphenol
Concen: 1.881 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:198 Resp: 11519
Ion Ratio Lower Upper
198 100
51 53.2 29.0 69.0
105 44.6 22.1 62.1

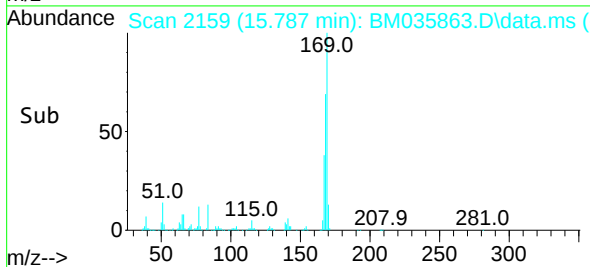
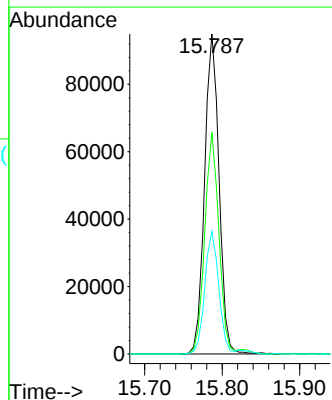
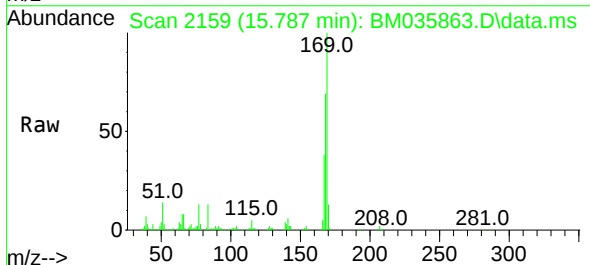
Manual Integrations
APPROVED

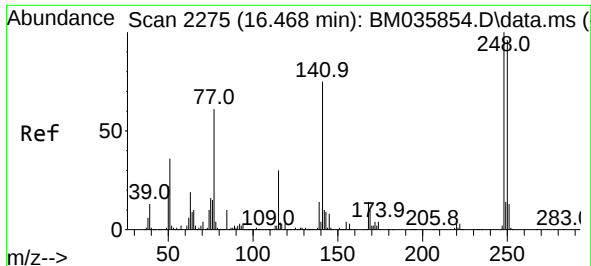
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#66
n-Nitrosodiphenylamine
Concen: 3.430 ng
RT: 15.787 min Scan# 2159
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

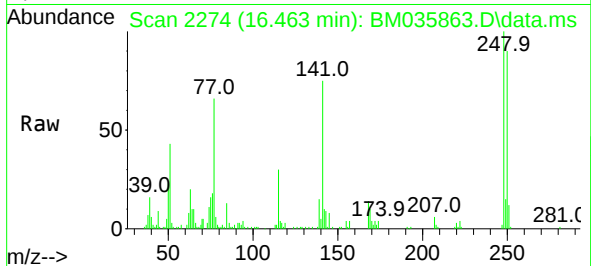
Tgt Ion:169 Resp: 122845
Ion Ratio Lower Upper
169 100
168 69.2 54.3 81.5
167 38.3 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 3.352 ng
RT: 16.463 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

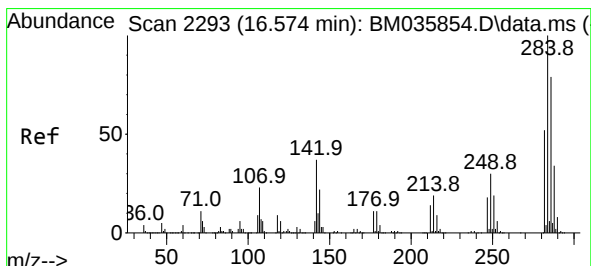
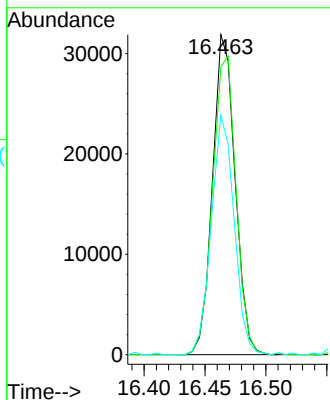
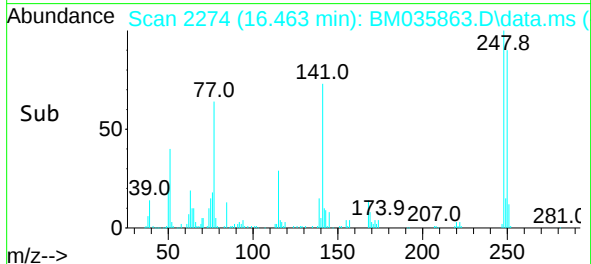
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



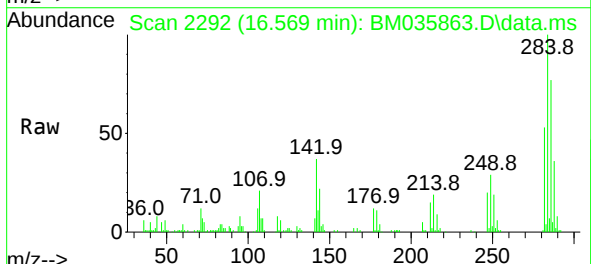
Tgt Ion:248 Resp: 4109
Ion Ratio Lower Upper
248 100
250 90.0 78.0 117.0
141 74.7 66.0 99.0

Manual Integrations
APPROVED

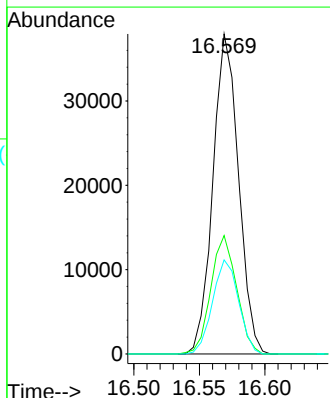
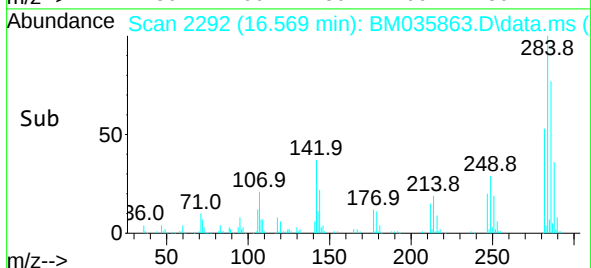
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

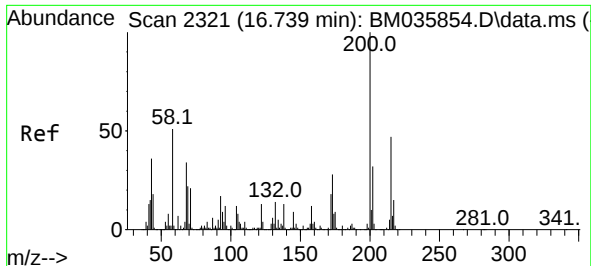


#68
Hexachlorobenzene
Concen: 3.620 ng
RT: 16.569 min Scan# 2292
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



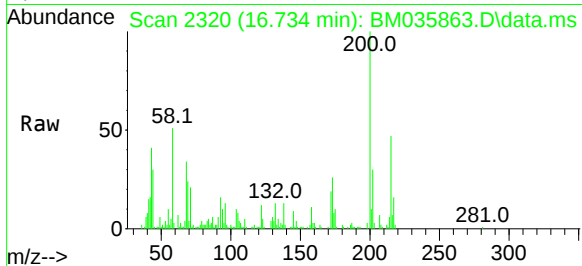
Tgt Ion:284 Resp: 51514
Ion Ratio Lower Upper
284 100
142 37.0 33.6 50.4
249 29.4 26.2 39.2





#69
 Atrazine
 Concen: 3.646 ng
 RT: 16.734 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28

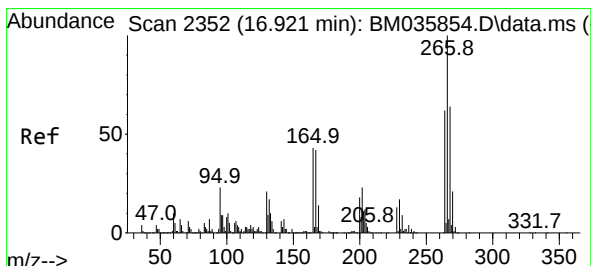
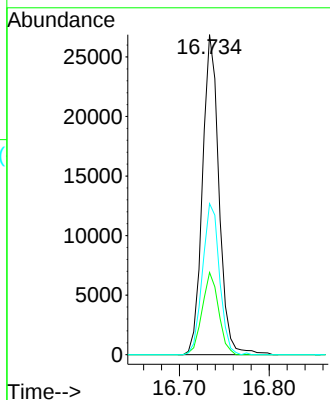
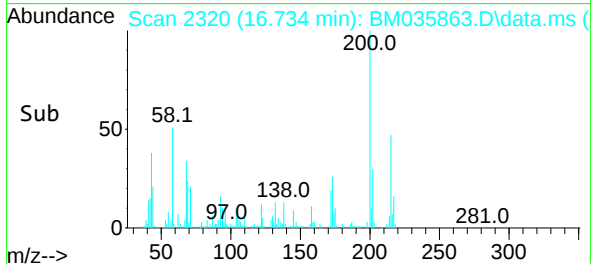
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



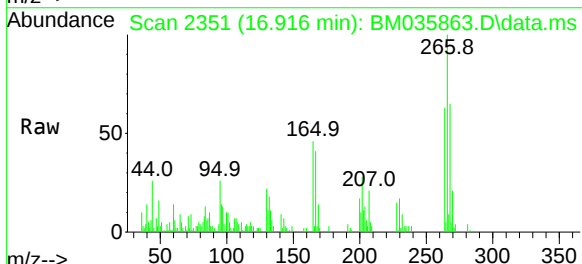
Tgt Ion:200 Resp: 34310
 Ion Ratio Lower Upper
 200 100
 173 25.7 6.6 46.6
 215 47.2 26.2 66.2

Manual Integrations
 APPROVED

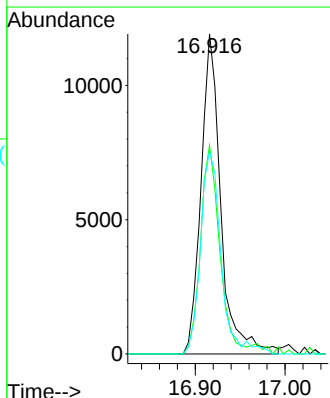
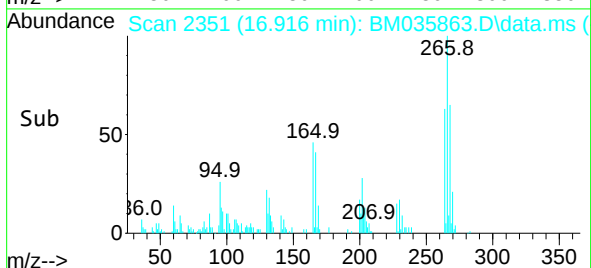
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

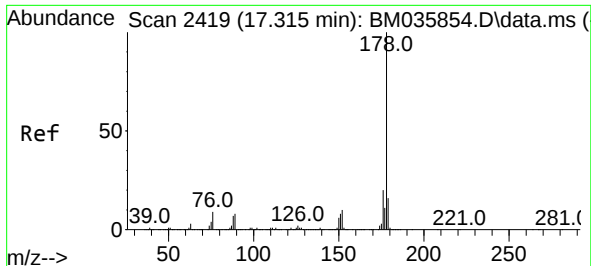


#70
 Pentachlorophenol
 Concen: 2.317 ng
 RT: 16.916 min Scan# 2351
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28



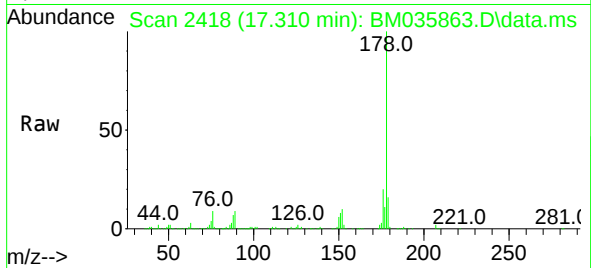
Tgt Ion:266 Resp: 18297
 Ion Ratio Lower Upper
 266 100
 268 70.3 51.9 77.9
 264 68.7 50.6 76.0





#71
Phenanthrene
Concen: 3.619 ng
RT: 17.310 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

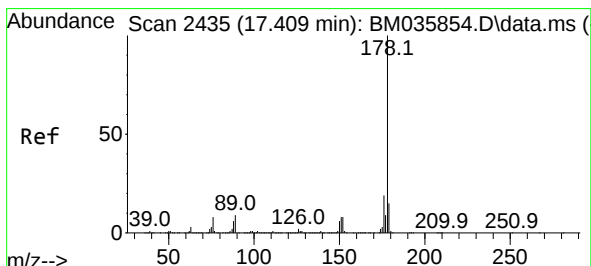
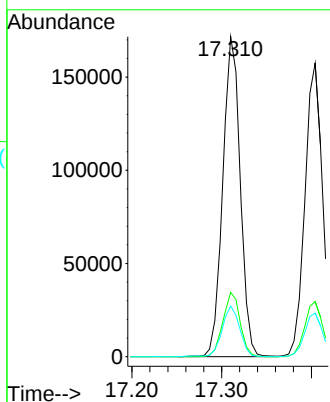
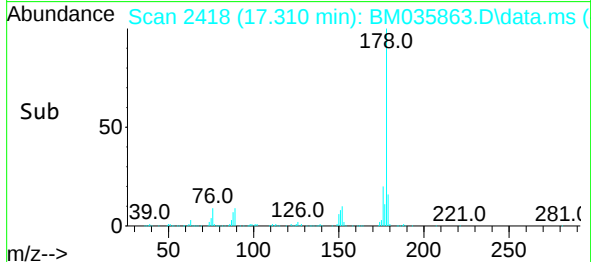
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



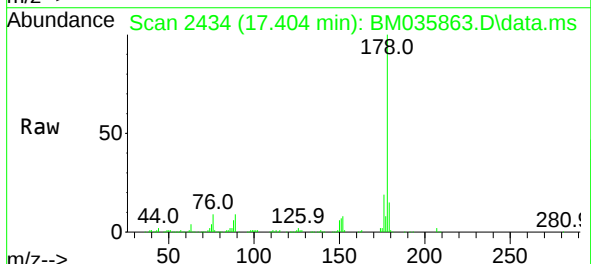
Tgt Ion:178 Resp: 23219
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.8 12.4 18.6

Manual Integrations
APPROVED

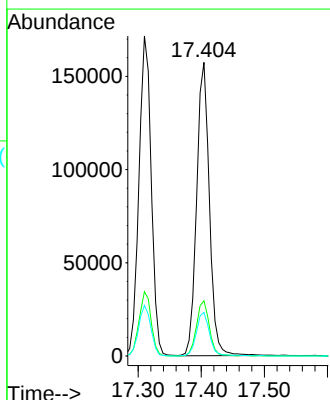
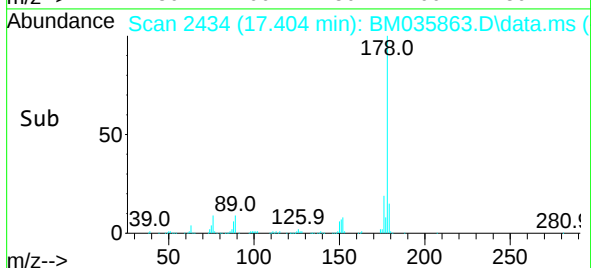
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

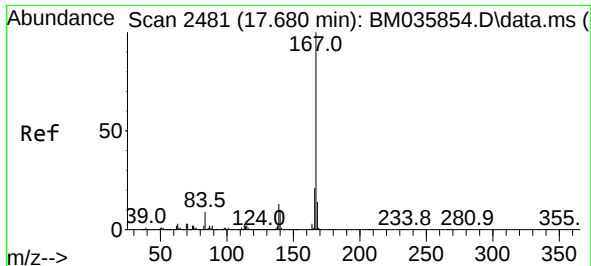


#72
Anthracene
Concen: 3.534 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



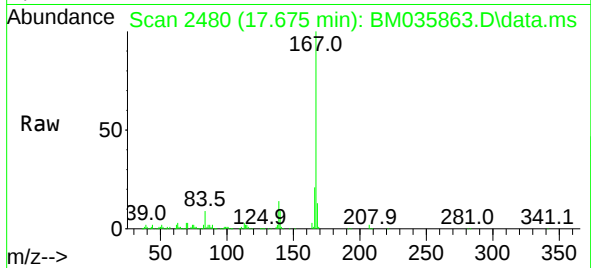
Tgt Ion:178 Resp: 220411
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 14.8 12.2 18.2





#73
 Carbazole
 Concen: 3.201 ng
 RT: 17.675 min Scan# 2481
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28

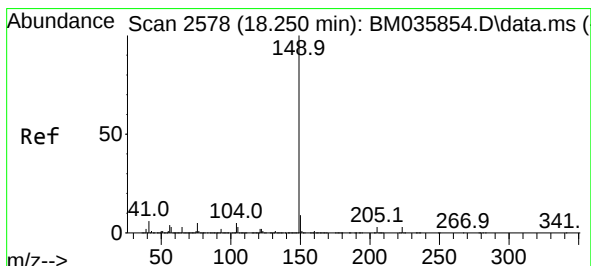
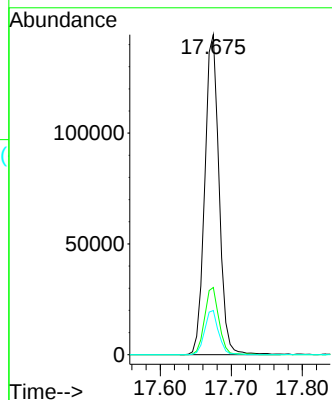
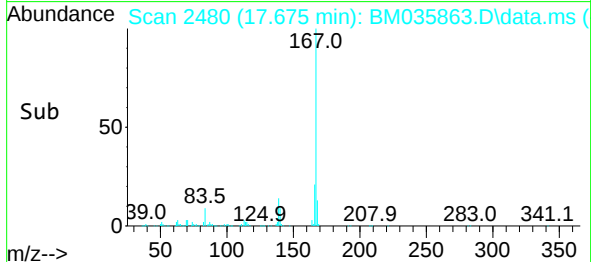
Instrument : BNA_M
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



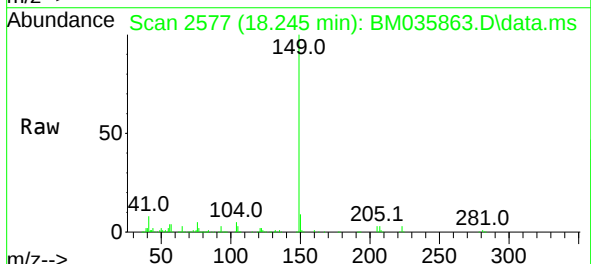
Tgt Ion:167 Resp: 20247
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.8
 139 13.8 10.9 16.3

Manual Integrations
 APPROVED

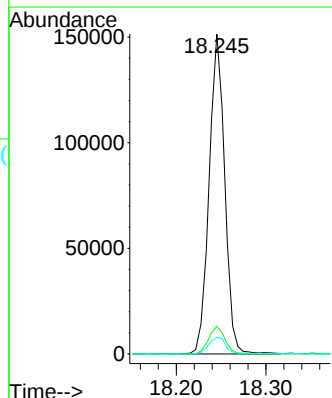
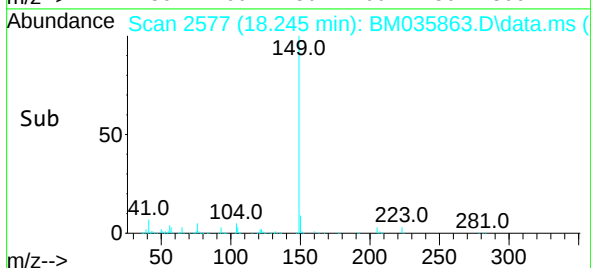
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

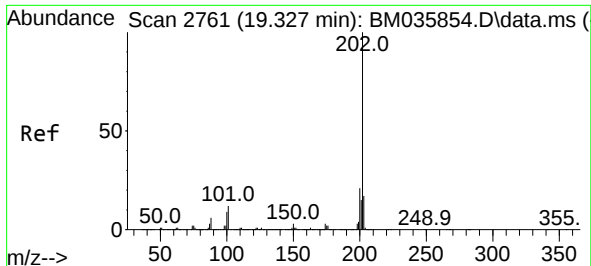


#74
 Di-n-butylphthalate
 Concen: 2.837 ng
 RT: 18.245 min Scan# 2577
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28



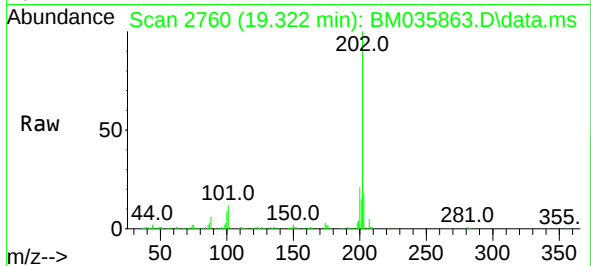
Tgt Ion:149 Resp: 182751
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.3 10.9
 104 5.2 4.3 6.5





#75
Fluoranthene
Concen: 3.243 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

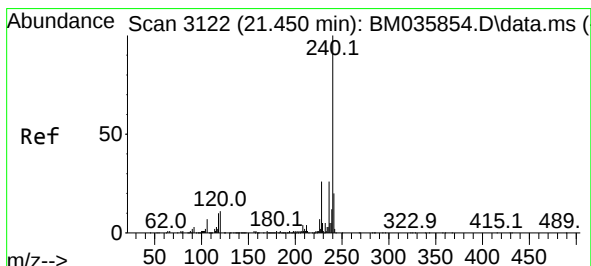
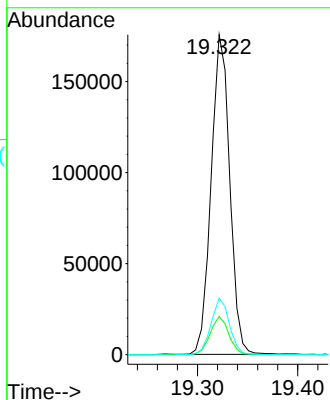
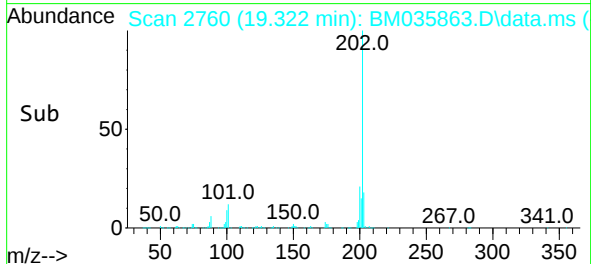
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



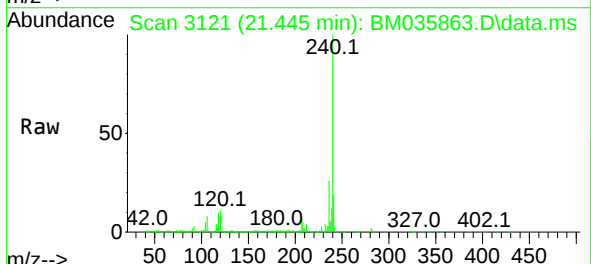
Tgt Ion:202 Resp: 226152
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.6
203 17.7 0.0 37.4

Manual Integrations
APPROVED

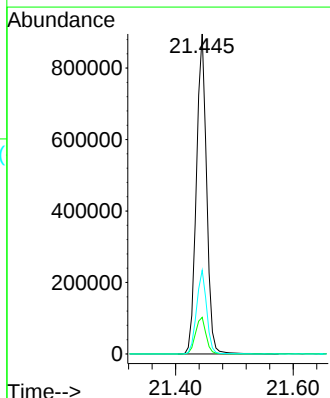
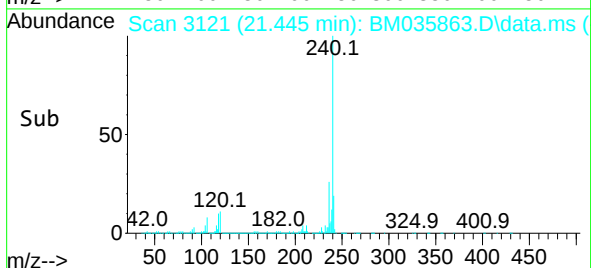
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

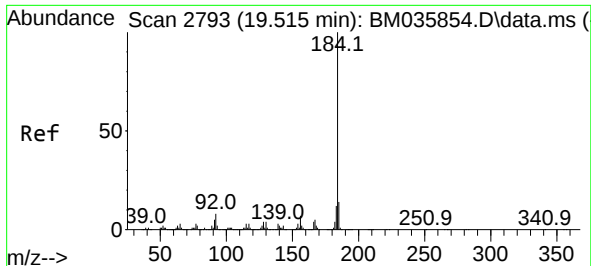


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



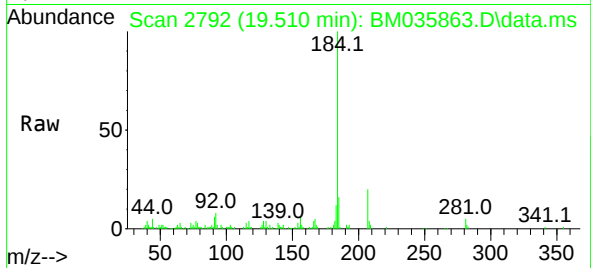
Tgt Ion:240 Resp: 1078089
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.0
236 26.2 20.6 30.8





#77
Benzidine
Concen: 4.501 ng
RT: 19.510 min Scan# 2792
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

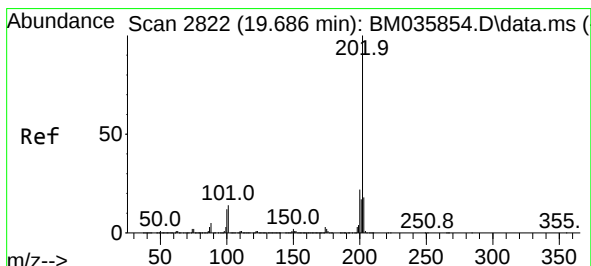
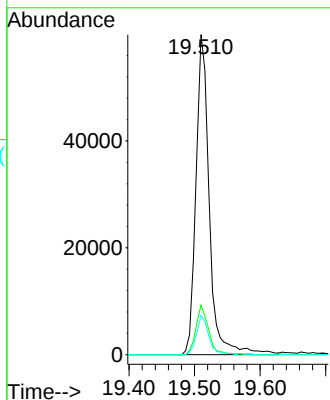
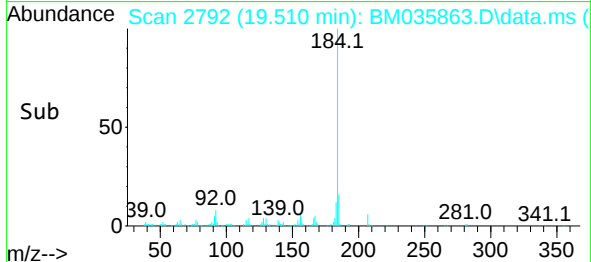
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



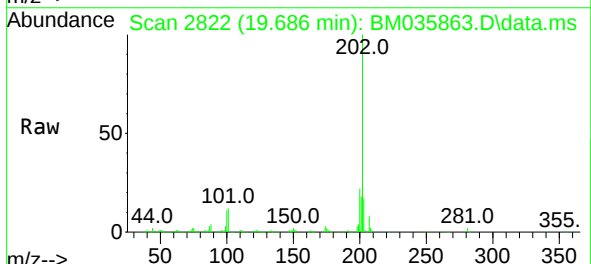
Tgt Ion:184 Resp: 85188
Ion Ratio Lower Upper
184 100
185 15.5 11.3 16.9
183 12.2 9.5 14.3

Manual Integrations
APPROVED

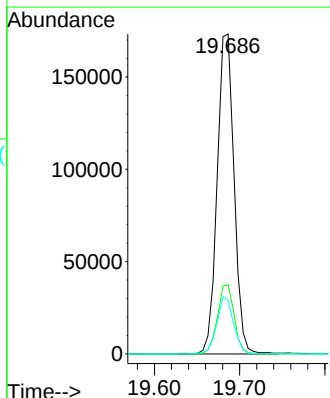
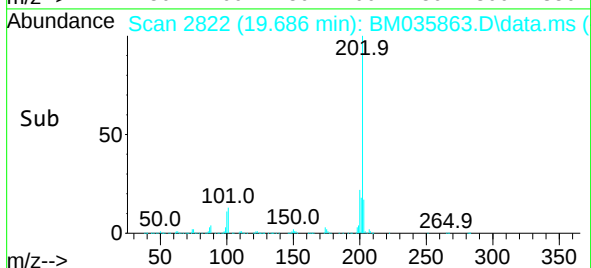
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

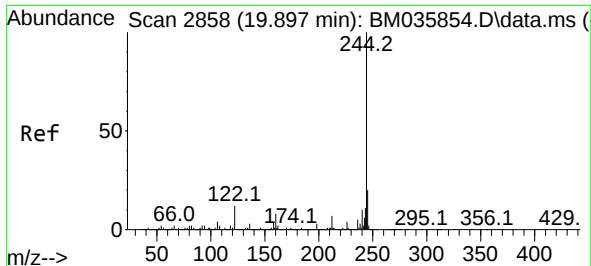


#78
Pyrene
Concen: 3.390 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



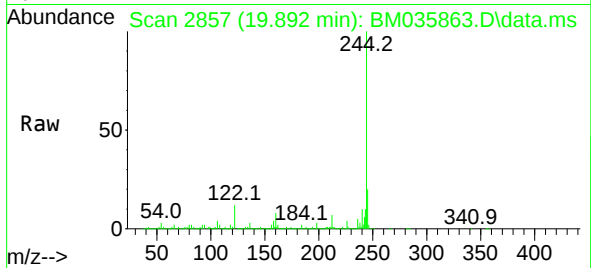
Tgt Ion:202 Resp: 238960
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 16.7 13.9 20.9





#79
 Terphenyl-d14
 Concen: 85.928 ng
 RT: 19.892 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28

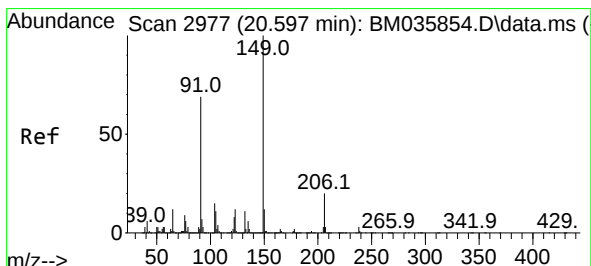
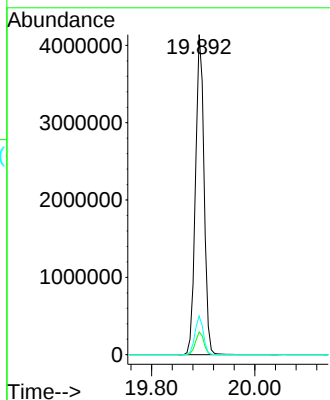
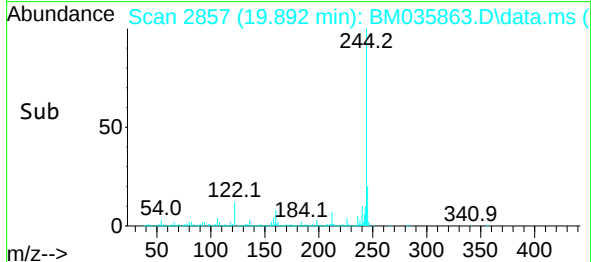
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:244 Resp: 4761274
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 12.1 8.3 12.5

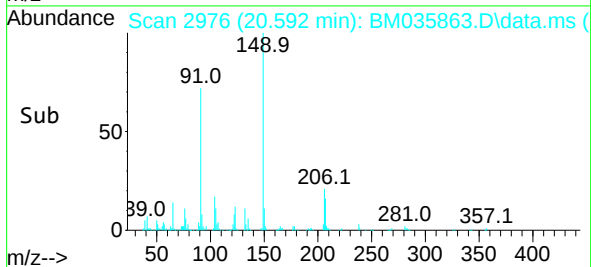
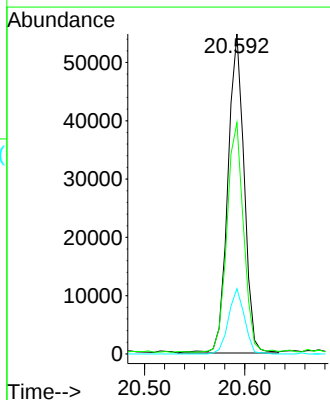
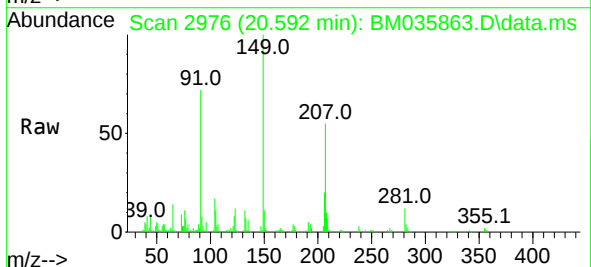
Manual Integrations
 APPROVED

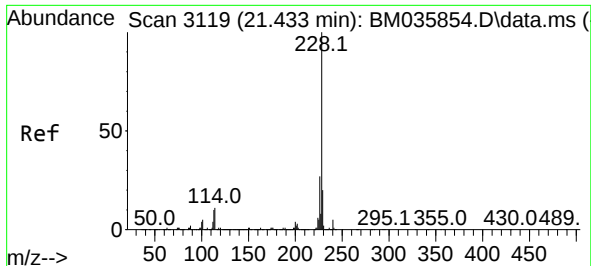
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022



#80
 Butylbenzylphthalate
 Concen: 2.453 ng
 RT: 20.592 min Scan# 2976
 Delta R.T. -0.005 min
 Lab File: BM035863.D
 Acq: 19 Jul 2022 12:28

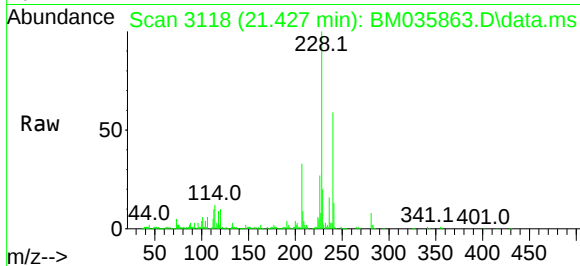
Tgt Ion:149 Resp: 61729
 Ion Ratio Lower Upper
 149 100
 91 72.3 56.6 85.0
 206 20.4 15.4 23.0





#81
Benzo(a)anthracene
Concen: 3.418 ng
RT: 21.427 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

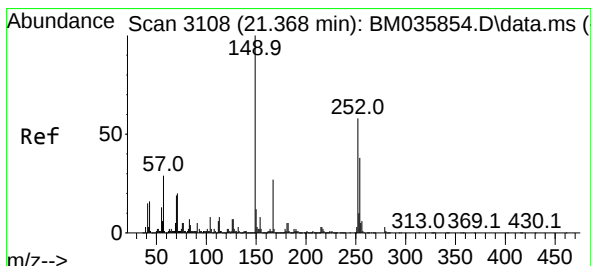
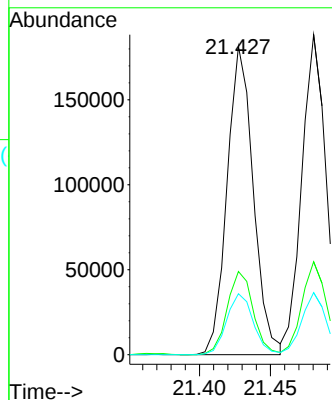
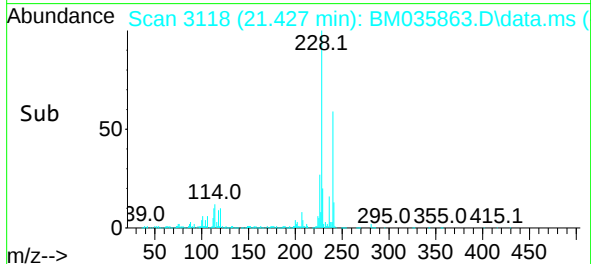
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 233240
Ion Ratio Lower Upper
228 100
226 27.0 22.3 33.5
229 19.7 15.8 23.6

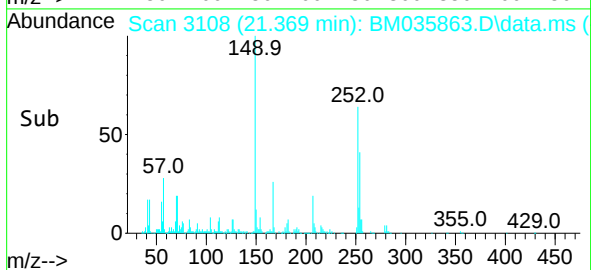
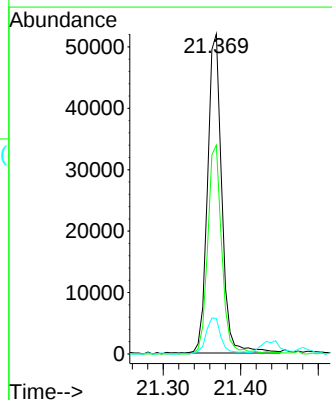
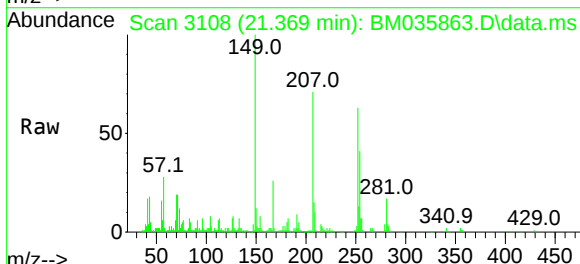
Manual Integrations
APPROVED

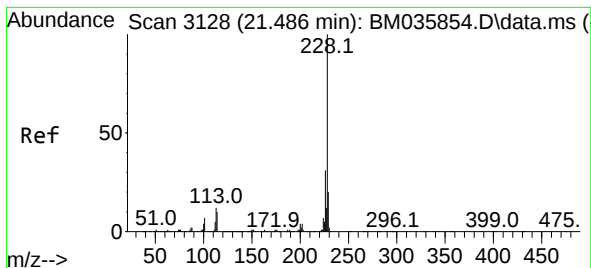
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#82
3,3'-Dichlorobenzidine
Concen: 4.148 ng
RT: 21.369 min Scan# 3108
Delta R.T. 0.001 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

Tgt Ion:252 Resp: 66308
Ion Ratio Lower Upper
252 100
254 65.3 51.7 77.5
126 11.1 9.4 14.0





#83

Chrysene

Concen: 3.496 ng

RT: 21.480 min Scan# 3128

Delta R.T. -0.005 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

Instrument :

BNA_M

ClientSampleId :

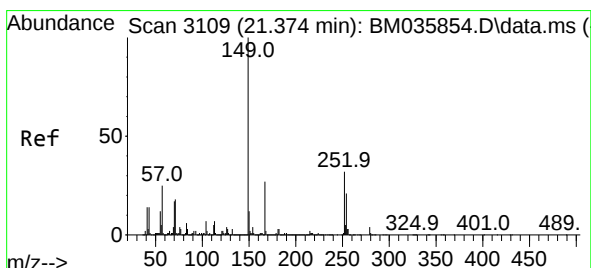
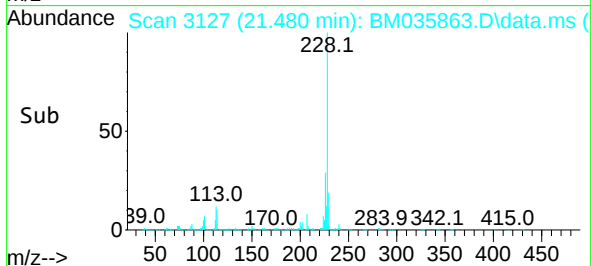
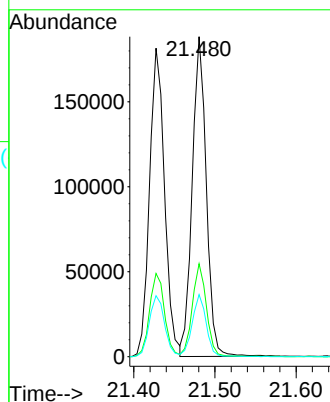
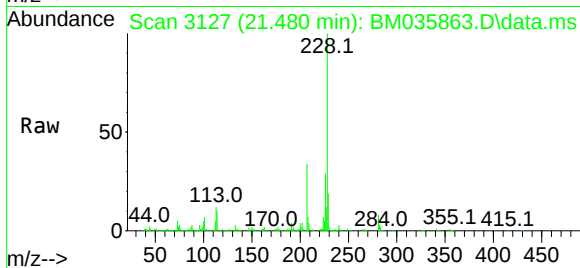
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:	228	Resp:	227698
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.4	36.6
229	19.4	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.536 ng

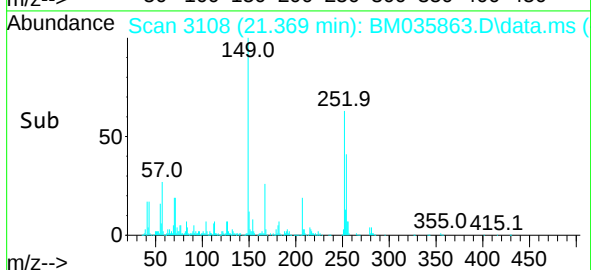
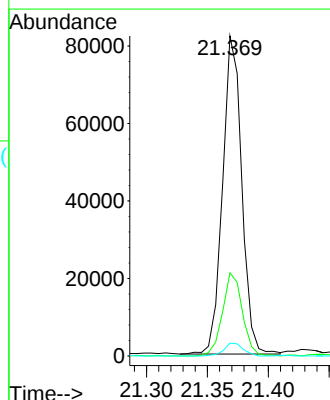
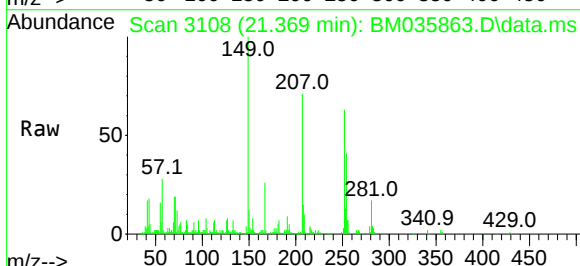
RT: 21.369 min Scan# 3108

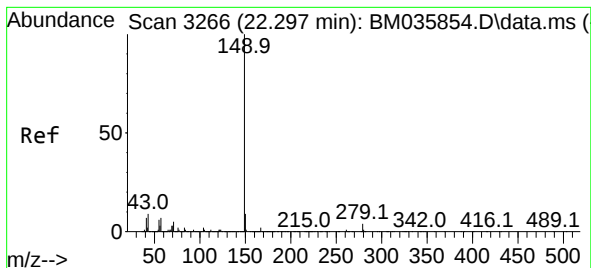
Delta R.T. -0.005 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

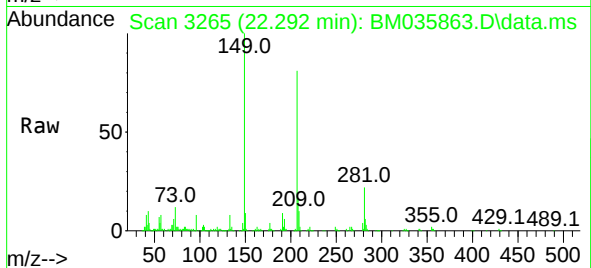
Tgt Ion:	149	Resp:	89937
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.1	31.7
279	4.0	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 2.513 ng
RT: 22.292 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

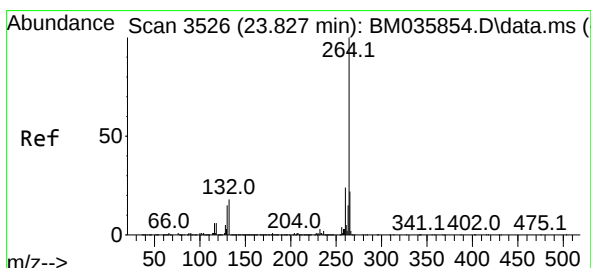
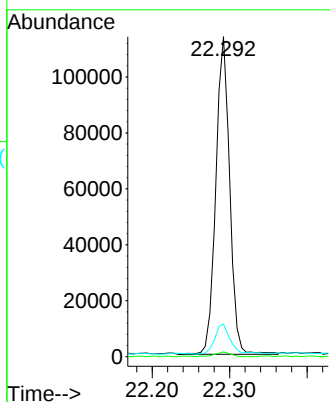
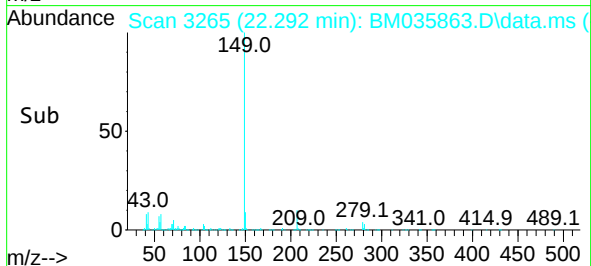
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



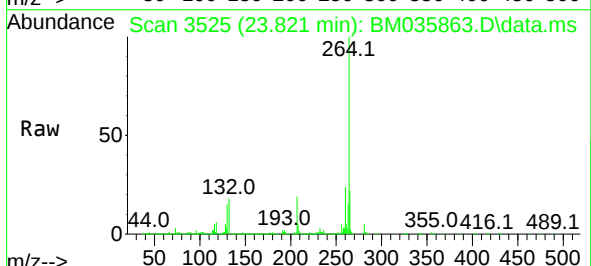
Tgt Ion:149 Resp: 141384
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.7 8.6 12.8

Manual Integrations
APPROVED

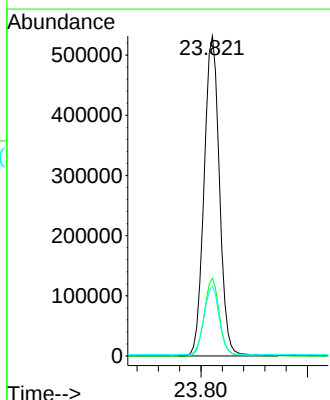
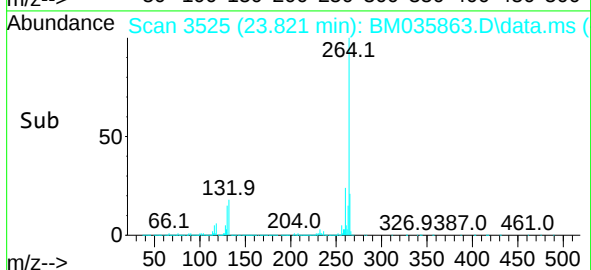
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

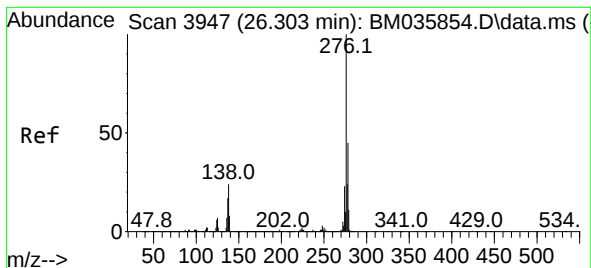


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3525
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



Tgt Ion:264 Resp: 1065020
Ion Ratio Lower Upper
264 100
260 24.3 18.9 28.3
265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.113 ng

RT: 26.286 min Scan# 3947

Delta R.T. -0.017 min

Lab File: BM035863.D

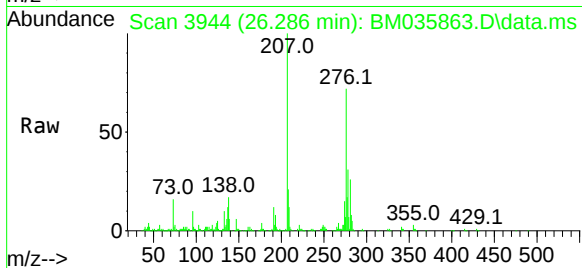
Acq: 19 Jul 2022 12:28

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:276 Resp: 242250

Ion Ratio Lower Upper

276 100

138 27.7 20.2 30.4

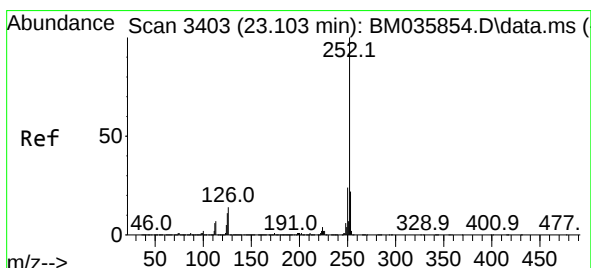
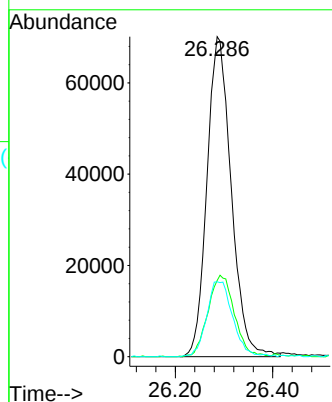
277 25.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#88

Benzo(b)fluoranthene

Concen: 3.431 ng

RT: 23.092 min Scan# 3401

Delta R.T. -0.011 min

Lab File: BM035863.D

Acq: 19 Jul 2022 12:28

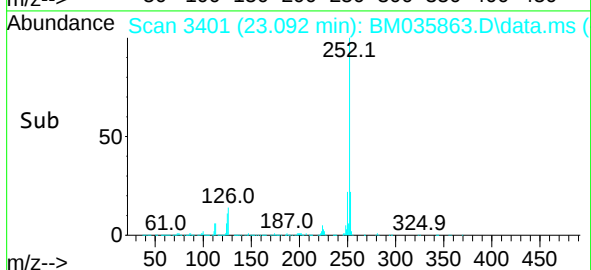
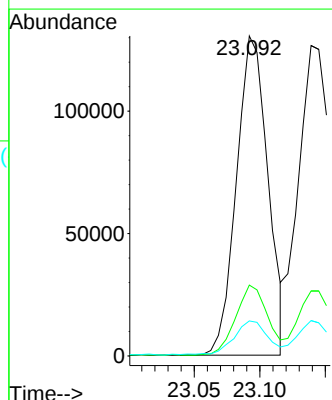
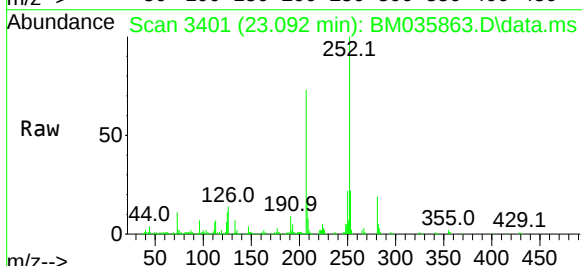
Tgt Ion:252 Resp: 217517

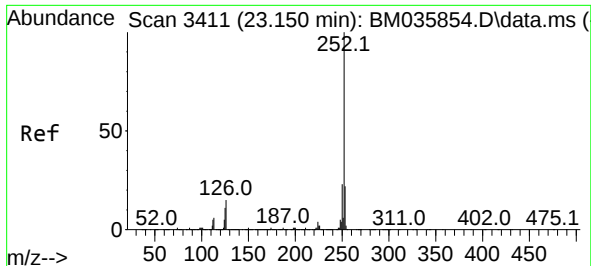
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

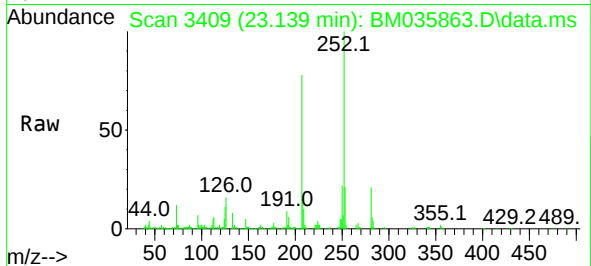
125 11.0 7.6 11.4





#89
Benzo(k)fluoranthene
Concen: 3.482 ng
RT: 23.139 min Scan# 3411
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

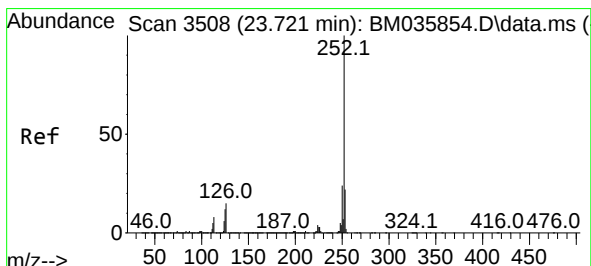
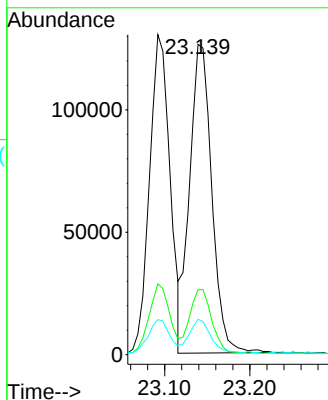
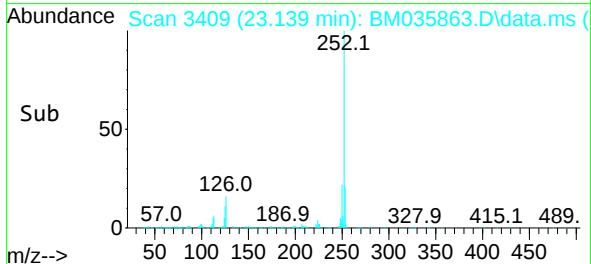
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:252 Resp: 228448
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 11.4 7.6 11.4

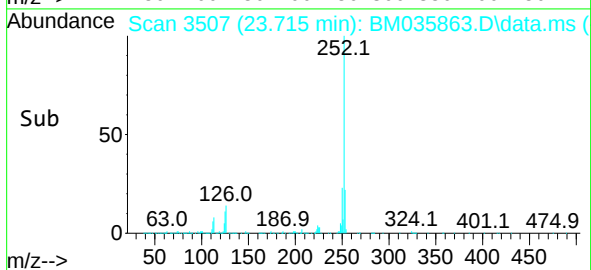
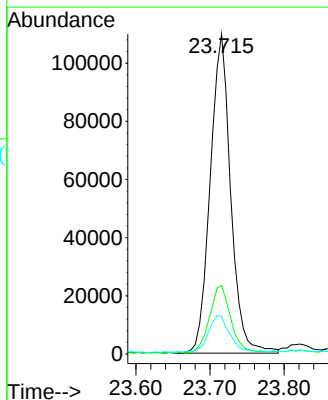
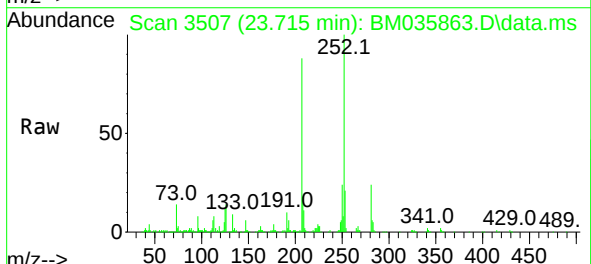
Manual Integrations
APPROVED

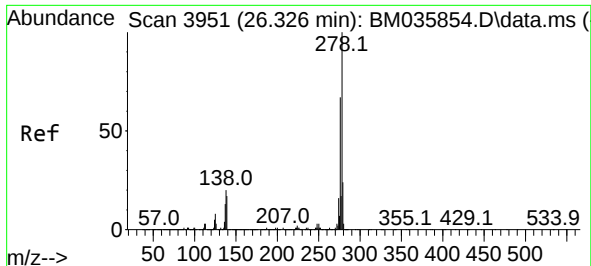
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#90
Benzo(a)pyrene
Concen: 3.904 ng
RT: 23.715 min Scan# 3507
Delta R.T. -0.005 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

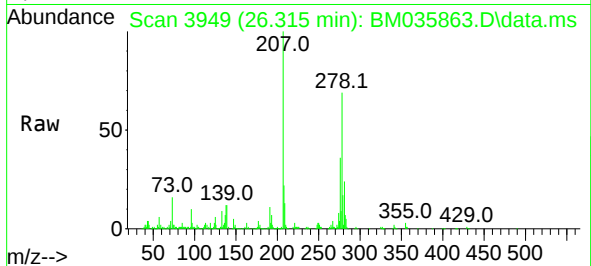
Tgt Ion:252 Resp: 210653
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 11.7 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 3.323 ng
RT: 26.315 min Scan# 3951
Delta R.T. -0.011 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28

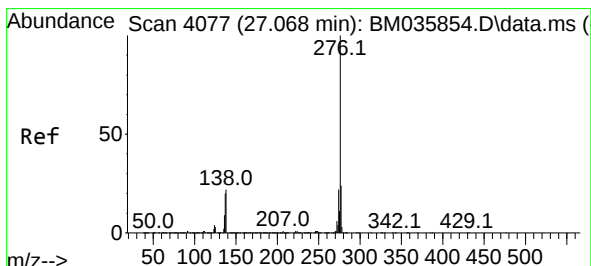
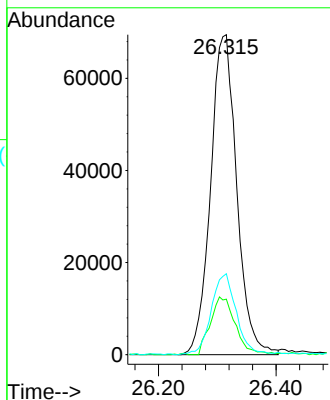
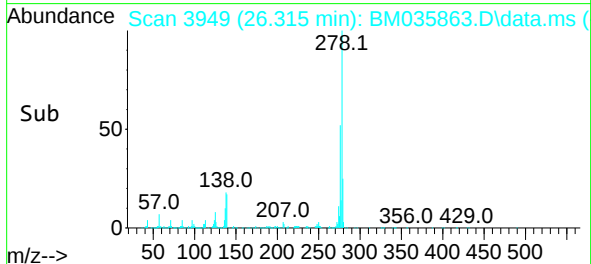
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



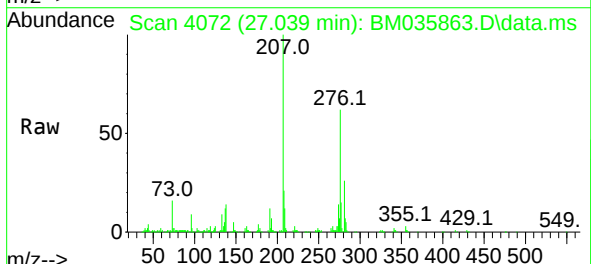
Tgt Ion: 278 Resp: 21485
Ion Ratio Lower Upper
278 100
139 17.3 12.9 19.3
279 25.3 18.7 28.1

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 07/20/2022
Supervised By : Jagrut Upadhyay 07/20/2022



#92
Benzo(g,h,i)perylene
Concen: 3.421 ng
RT: 27.039 min Scan# 4072
Delta R.T. -0.029 min
Lab File: BM035863.D
Acq: 19 Jul 2022 12:28



Tgt Ion: 276 Resp: 218188
Ion Ratio Lower Upper
276 100
277 25.0 18.7 28.1
138 23.0 17.6 26.4

