

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071922\
 Data File : BM035864.D
 Acq On : 19 Jul 2022 13:35
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 19 14:05:39 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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.892	152	342222	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	1472569	20.000	ng	-0.01
39) Acenaphthene-d10	14.527	164	910860	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1807358	20.000	ng	0.00
76) Chrysene-d12	21.450	240	1417219	20.000	ng	0.00
86) Perylene-d12	23.827	264	1218708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2422756	109.753	ng	0.00
7) Phenol-d6	7.057	99	3280622	118.185	ng	0.00
23) Nitrobenzene-d5	9.063	82	2281798	82.875	ng	0.00
42) 2,4,6-Tribromophenol	16.015	330	1217092	119.458	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	5309508	82.395	ng	0.00
79) Terphenyl-d14	19.897	244	6684253	91.766	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	63027	6.908	ng	93
3) Pyridine	3.728	79	162189	6.688	ng	90
4) n-Nitrosodimethylamine	3.640	42	76249	7.524	ng	# 68
6) Aniline	7.222	93	258340	8.475	ng	95
8) 2-Chlorophenol	7.451	128	168444	7.385	ng	98
9) Benzaldehyde	7.028	77	152555m	9.782	ng	
10) Phenol	7.081	94	208047	7.442	ng	96
11) bis(2-Chloroethyl)ether	7.322	93	171974	7.624	ng	97
12) 1,3-Dichlorobenzene	7.781	146	186291	7.322	ng	98
13) 1,4-Dichlorobenzene	7.928	146	191344	7.386	ng	99
14) 1,2-Dichlorobenzene	8.245	146	184430	7.361	ng	98
15) Benzyl Alcohol	8.133	79	132337	7.235	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.428	45	227895	7.760	ng	96
17) 2-Methylphenol	8.339	107	132260	7.287	ng	96
18) Hexachloroethane	8.975	117	67054	7.195	ng	95
19) n-Nitroso-di-n-propyla...	8.704	70	129166	8.026	ng	91
20) 3+4-Methylphenols	8.669	107	174926	7.131	ng	95
22) Acetophenone	8.722	105	266346	7.319	ng	# 93
24) Nitrobenzene	9.098	77	203137	7.855	ng	99
25) Isophorone	9.628	82	351897	8.170	ng	98
26) 2-Nitrophenol	9.810	139	70240	6.030	ng	97
27) 2,4-Dimethylphenol	9.875	122	149707	8.147	ng	98
28) bis(2-Chloroethoxy)met...	10.116	93	226196	7.545	ng	98
29) 2,4-Dichlorophenol	10.345	162	137529	6.750	ng	99
30) 1,2,4-Trichlorobenzene	10.563	180	163237	6.942	ng	99
31) Naphthalene	10.751	128	559749	7.481	ng	99
32) Benzoic acid	9.939	122	58053	4.177	ng	93
33) 4-Chloroaniline	10.863	127	233195	7.791	ng	96
34) Hexachlorobutadiene	11.033	225	92631	6.864	ng	95
35) Caprolactam	11.622	113	41595	6.676	ng	96
36) 4-Chloro-3-methylphenol	11.980	107	149655	7.163	ng	97
37) 2-Methylnaphthalene	12.357	142	371789	7.639	ng	96
38) 1-Methylnaphthalene	12.580	142	360383	7.607	ng	99
40) 1,2,4,5-Tetrachloroben...	12.721	216	179024	6.879	ng	99
41) Hexachlorocyclopentadiene	12.704	237	104984	7.485	ng	96
43) 2,4,6-Trichlorophenol	12.963	196	105891	6.156	ng	99

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

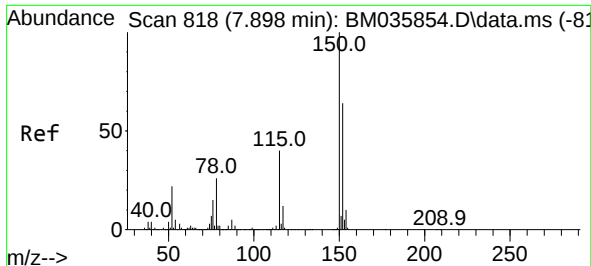
Quant Time: Jul 19 14:05:39 2022
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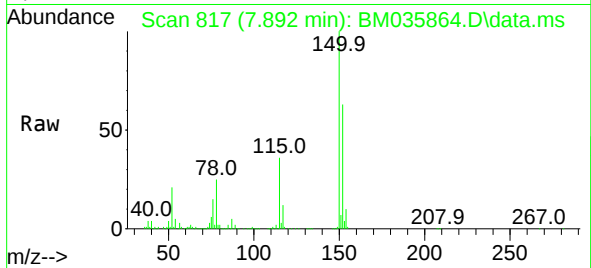
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.033	196	116007	6.396	ng	99
46) 1,1'-Biphenyl	13.368	154	495968	7.158	ng	99
47) 2-Chloronaphthalene	13.410	162	375789	7.056	ng	100
48) 2-Nitroaniline	13.616	65	91228	6.216	ng	93
49) Acenaphthylene	14.251	152	614087	7.488	ng	100
50) Dimethylphthalate	13.992	163	435239	7.259	ng	99
51) 2,6-Dinitrotoluene	14.110	165	88540	7.062	ng	97
52) Acenaphthene	14.592	154	357058	7.268	ng	99
53) 3-Nitroaniline	14.433	138	100095	6.631	ng	98
54) 2,4-Dinitrophenol	14.639	184	29041	4.701	ng	93
55) Dibenzofuran	14.927	168	568282	7.220	ng	98
56) 4-Nitrophenol	14.733	139	71629	6.048	ng	90
57) 2,4-Dinitrotoluene	14.892	165	107828	6.572	ng	97
58) Fluorene	15.574	166	450070	7.283	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.151	232	94226	6.463	ng	98
60) Diethylphthalate	15.357	149	436245	7.343	ng	98
61) 4-Chlorophenyl-phenyle...	15.574	204	216759	7.209	ng	96
62) 4-Nitroaniline	15.592	138	96885	6.269	ng	94
63) Azobenzene	15.862	77	434526	7.123	ng	94
65) 4,6-Dinitro-2-methylph...	15.645	198	41480	4.570	ng	95
66) n-Nitrosodiphenylamine	15.786	169	371147	6.993	ng	99
67) 4-Bromophenyl-phenylether	16.462	248	123695	6.808	ng	96
68) Hexachlorobenzene	16.568	284	150386	7.130	ng	94
69) Atrazine	16.733	200	110820	7.947	ng	98
70) Pentachlorophenol	16.915	266	66816	5.709	ng	98
71) Phenanthrene	17.309	178	686725	7.223	ng	99
72) Anthracene	17.403	178	674447	7.298	ng	99
73) Carbazole	17.674	167	618714	6.600	ng	99
74) Di-n-butylphthalate	18.245	149	623526	6.533	ng	99
75) Fluoranthene	19.321	202	694017	6.716	ng	97
77) Benzidine	19.515	184	289778	11.646	ng	99
78) Pyrene	19.686	202	726648	7.842	ng	100
80) Butylbenzylphthalate	20.597	149	189785	5.737	ng	98
81) Benzo(a)anthracene	21.433	228	637402	7.105	ng	99
82) 3,3'-Dichlorobenzidine	21.368	252	191094	9.093	ng	99
83) Chrysene	21.486	228	592316	6.919	ng	100
84) Bis(2-ethylhexyl)phtha...	21.374	149	268775	5.765	ng	100
85) Di-n-octyl phthalate	22.297	149	380343	5.142	ng	98
87) Indeno(1,2,3-cd)pyrene	26.297	276	536945	6.030	ng	98
88) Benzo(b)fluoranthene	23.103	252	552340	7.614	ng	99
89) Benzo(k)fluoranthene	23.150	252	536827	7.151	ng	98
90) Benzo(a)pyrene	23.721	252	497887	8.063	ng	98
91) Dibenzo(a,h)anthracene	26.321	278	470900	6.364	ng	98
92) Benzo(g,h,i)perylene	27.056	276	471027	6.455	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

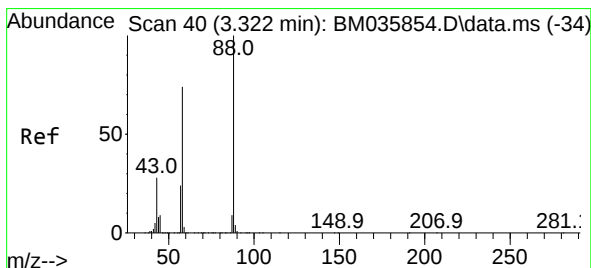
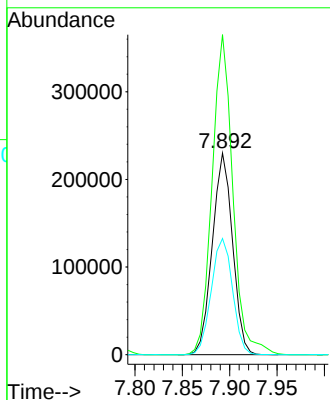
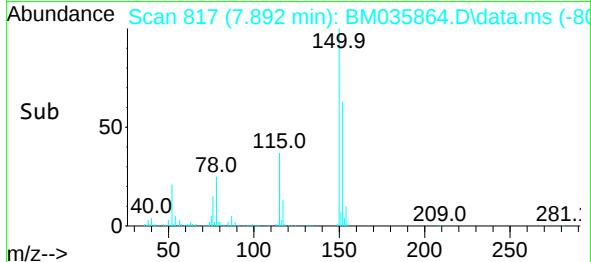
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 34222
Ion Ratio Lower Upper
152 100
150 158.8 124.9 187.3
115 57.6 47.9 71.9

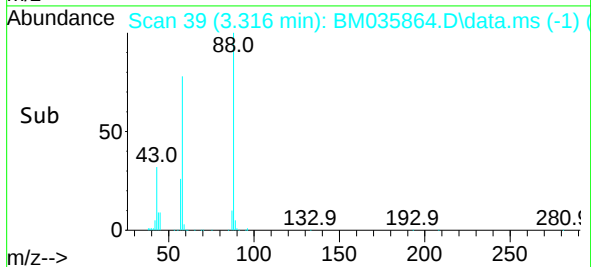
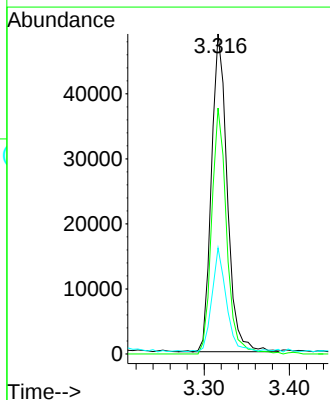
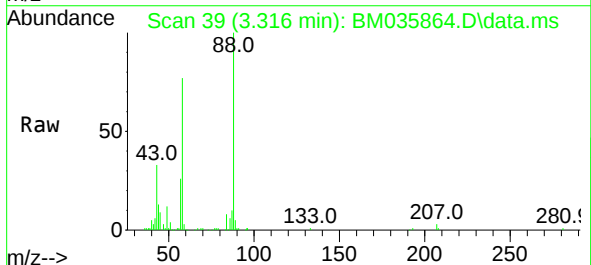
Manual Integrations
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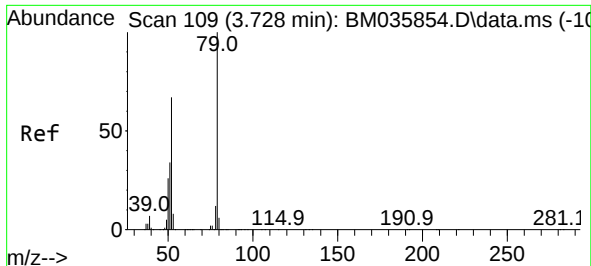
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#2
1,4-Dioxane
Concen: 6.908 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

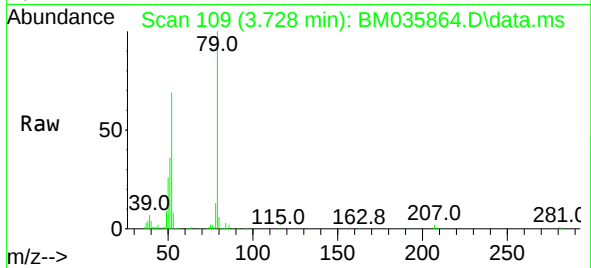
Tgt Ion: 88 Resp: 63027
Ion Ratio Lower Upper
88 100
58 73.2 62.3 93.5
43 29.5 28.7 43.1





#3
Pyridine
Concen: 6.688 ng
RT: 3.728 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

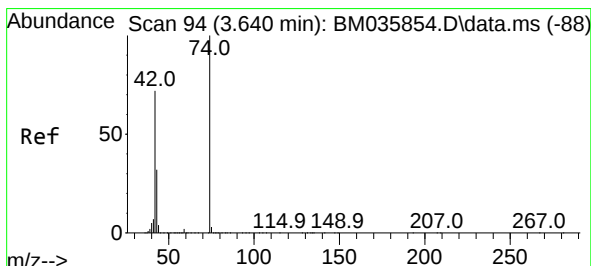
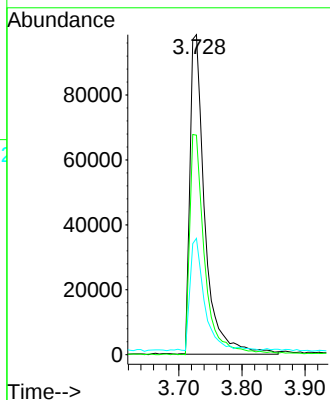
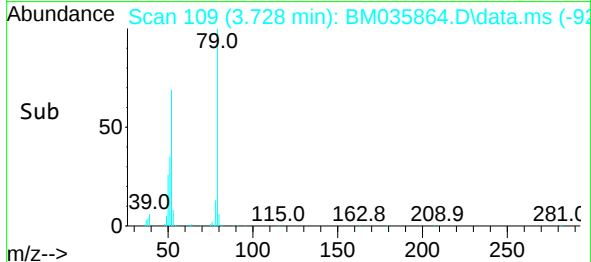
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



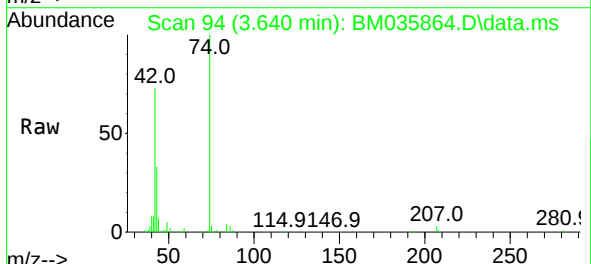
Tgt Ion: 79 Resp: 162189
Ion Ratio Lower Upper
79 100
52 68.6 61.9 92.9
51 36.3 33.5 50.3

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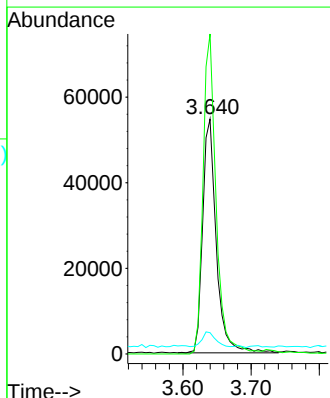
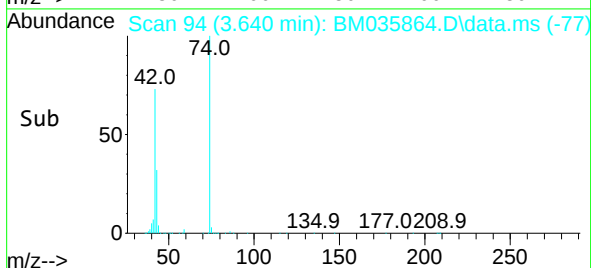
Reviewed By :Christian Giraldo 07/20/2022
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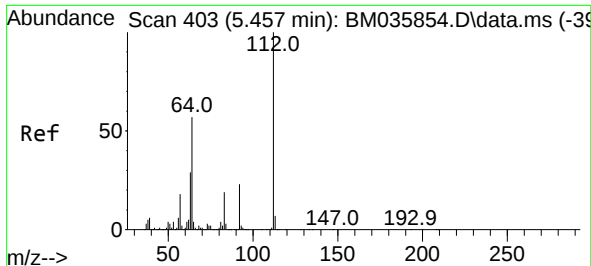


#4
n-Nitrosodimethylamine
Concen: 7.524 ng
RT: 3.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



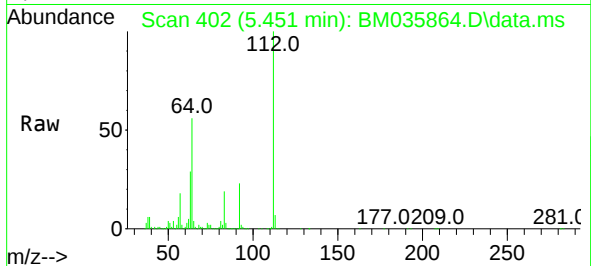
Tgt Ion: 42 Resp: 76249
Ion Ratio Lower Upper
42 100
74 136.2 81.6 122.4#
44 9.1 5.2 7.8#





#5
2-Fluorophenol
Concen: 109.753 ng
RT: 5.451 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

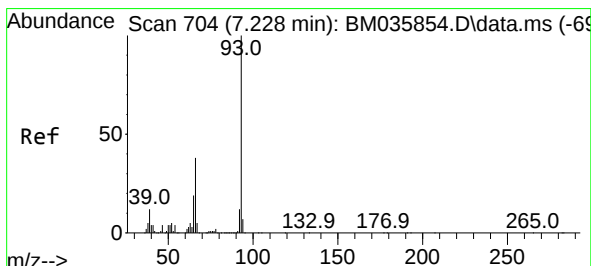
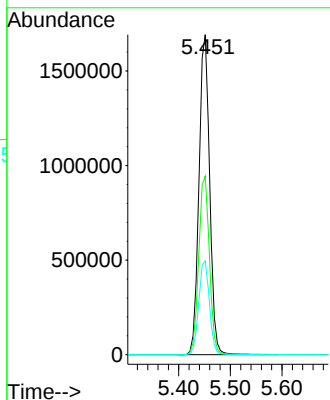
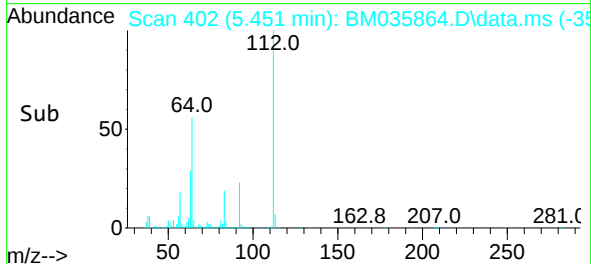
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:112 Resp: 2422750
Ion Ratio Lower Upper
112 100
64 55.8 47.8 71.6
63 29.3 26.6 40.0

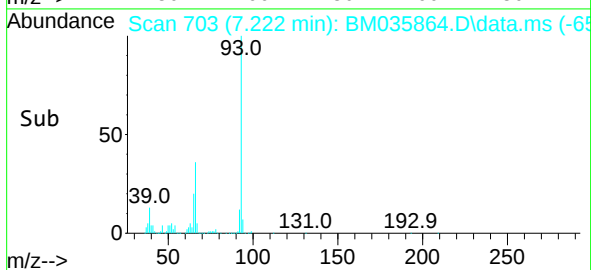
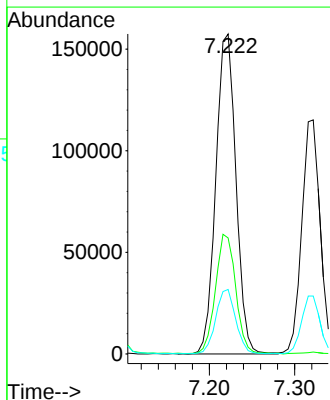
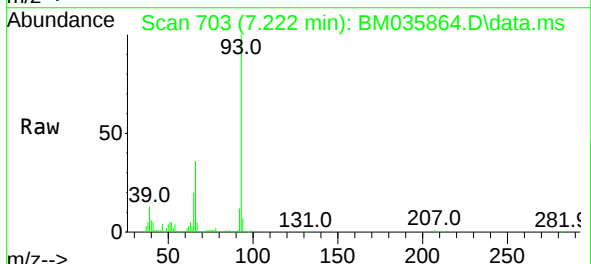
Manual Integrations
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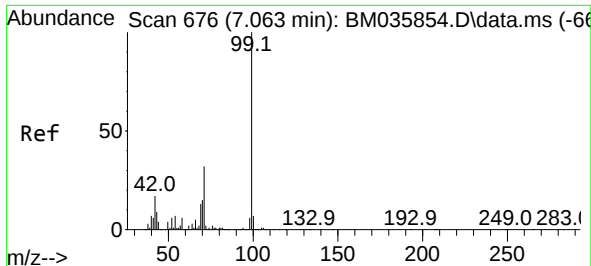
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#6
Aniline
Concen: 8.475 ng
RT: 7.222 min Scan# 703
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

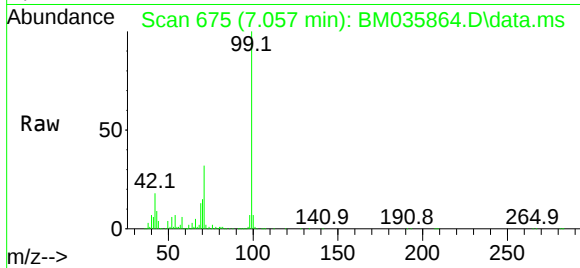
Tgt Ion: 93 Resp: 258340
Ion Ratio Lower Upper
93 100
66 36.2 32.6 49.0
65 20.2 16.8 25.2





#7
Phenol-d6
Concen: 118.185 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

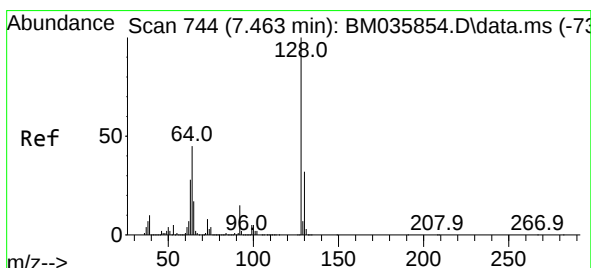
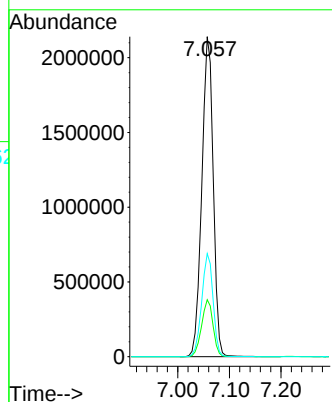
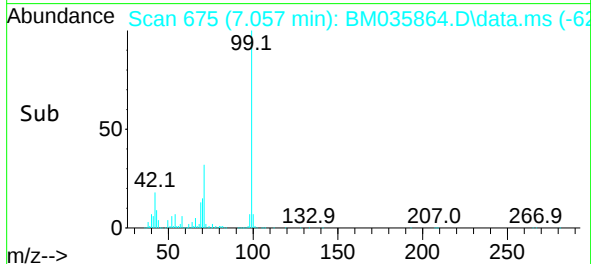
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 99 Resp: 328062
Ion Ratio Lower Upper
99 100
42 17.8 18.8 28.2
71 32.2 30.2 45.2

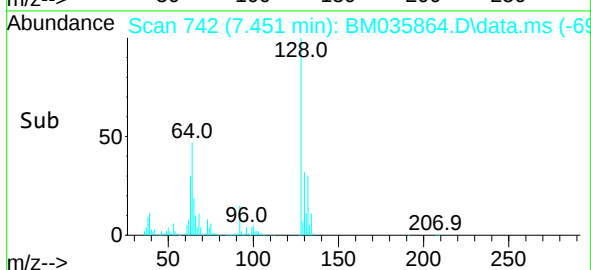
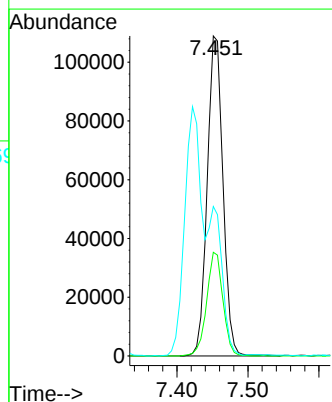
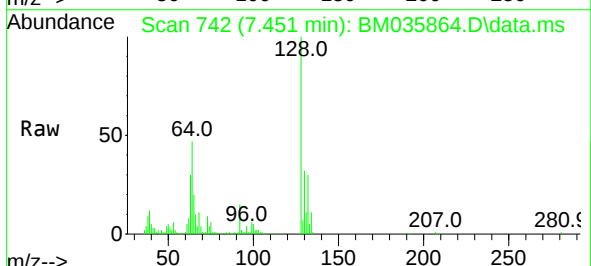
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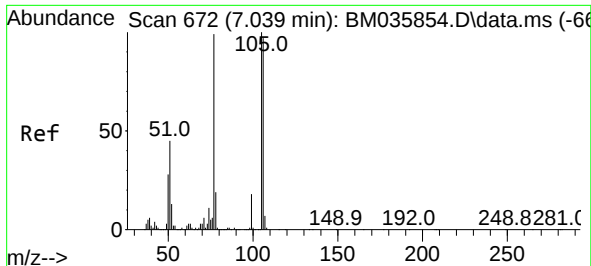
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#8
2-Chlorophenol
Concen: 7.385 ng
RT: 7.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

Tgt Ion:128 Resp: 168444
Ion Ratio Lower Upper
128 100
130 32.4 10.9 50.9
64 46.7 28.2 68.2





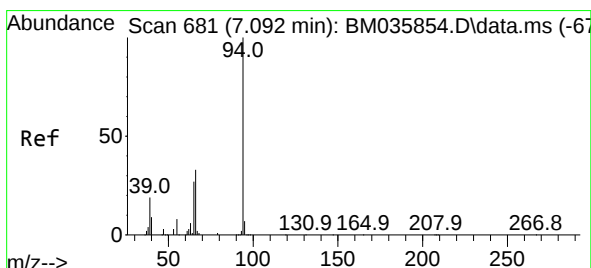
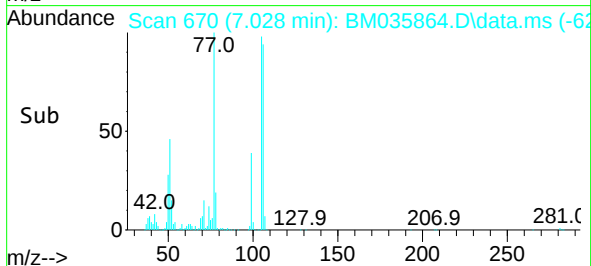
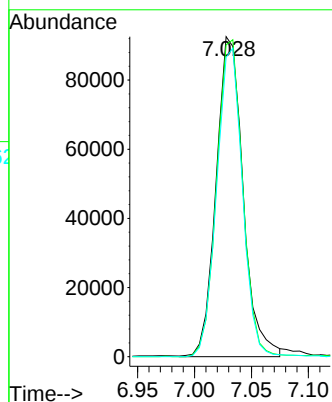
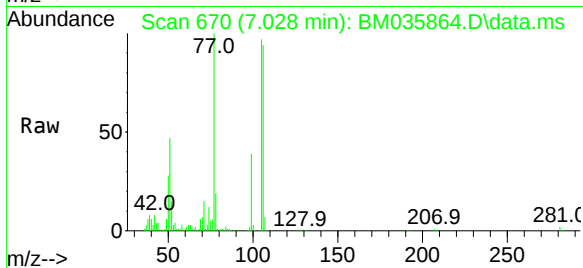
#9
Benzaldehyde
Concen: 9.782 ng m
RT: 7.028 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

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

Tgt Ion: 77 Resp: 15255
Ion Ratio Lower Upper
77 100
105 97.5 76.3 116.3
106 93.5 69.0 109.0

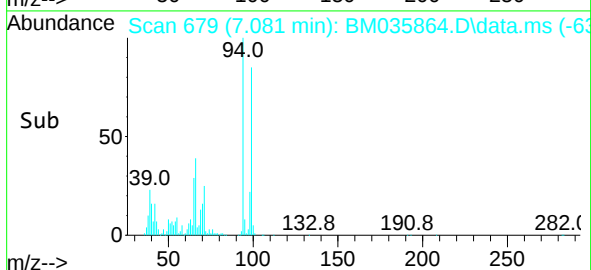
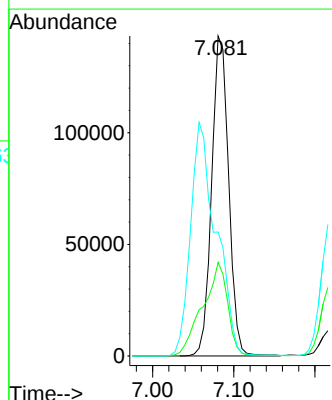
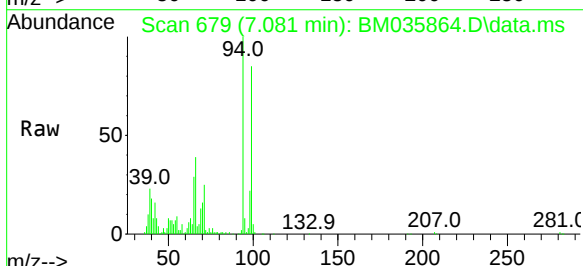
Manual Integrations
APPROVED

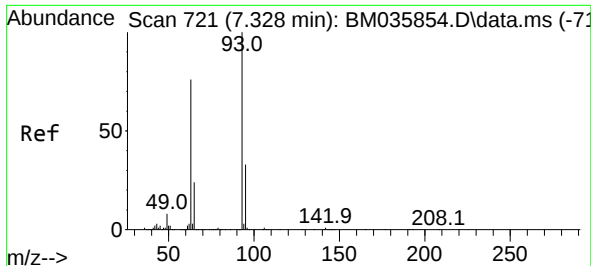
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#10
Phenol
Concen: 7.442 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

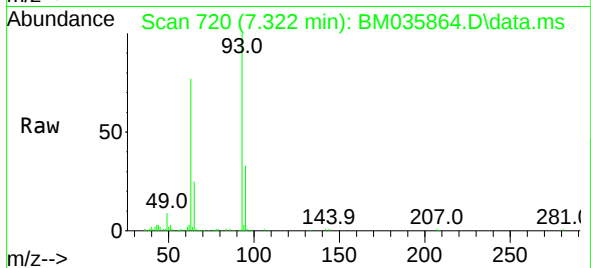
Tgt Ion: 94 Resp: 208047
Ion Ratio Lower Upper
94 100
65 29.2 11.4 51.4
66 38.8 21.4 61.4





#11
bis(2-Chloroethyl)ether
Concen: 7.624 ng
RT: 7.322 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

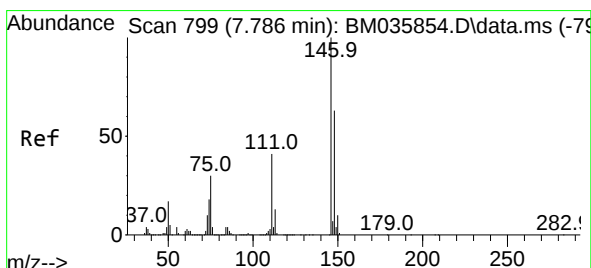
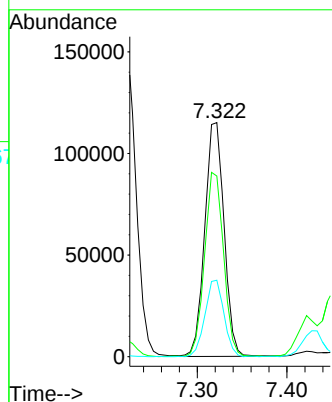
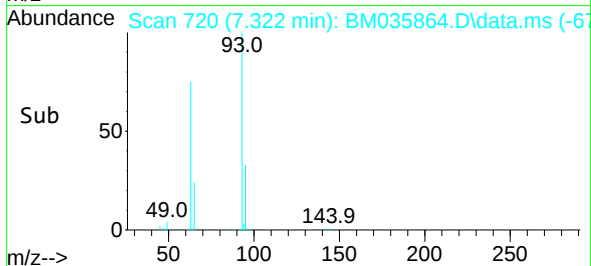
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



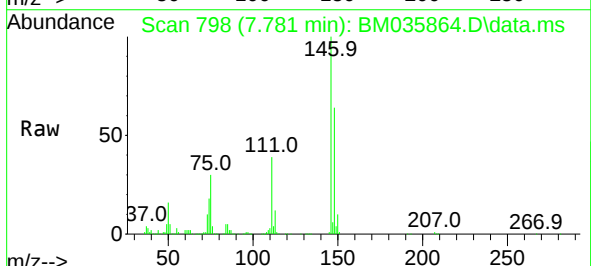
Tgt Ion: 93 Resp: 171974
Ion Ratio Lower Upper
93 100
63 77.2 60.6 100.6
95 32.7 13.2 53.2

Manual Integrations
APPROVED

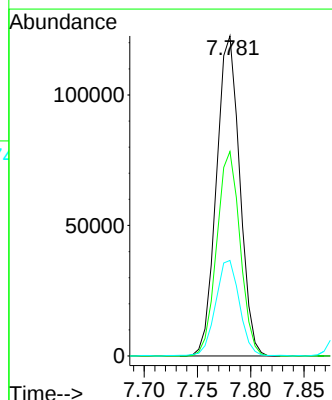
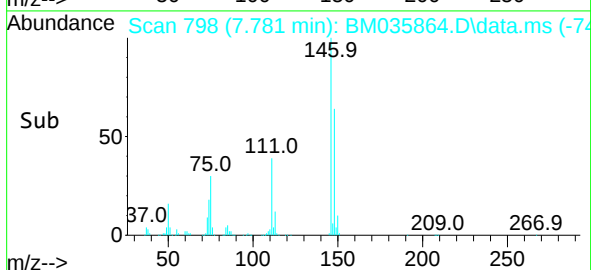
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

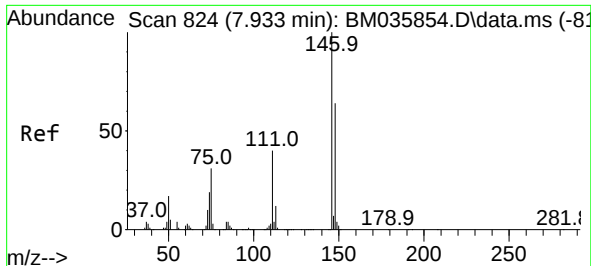


#12
1,3-Dichlorobenzene
Concen: 7.322 ng
RT: 7.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



Tgt Ion:146 Resp: 186291
Ion Ratio Lower Upper
146 100
148 63.9 50.7 76.1
75 29.8 26.1 39.1





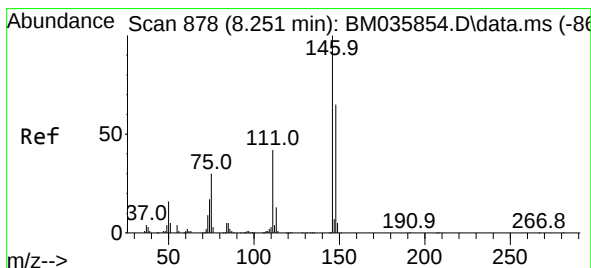
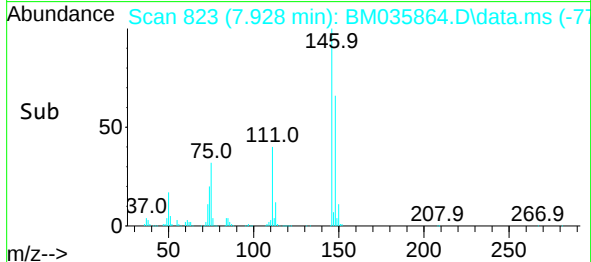
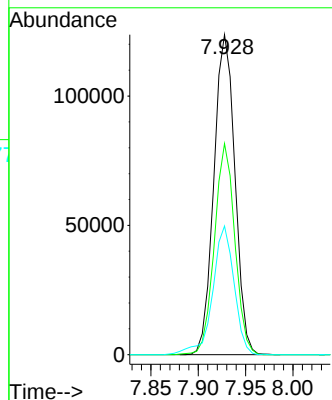
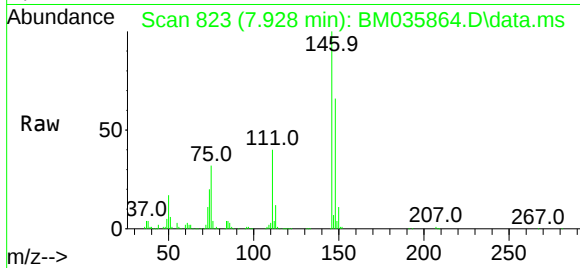
#13
1,4-Dichlorobenzene
Concen: 7.386 ng
RT: 7.928 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

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

Tgt Ion:146 Resp: 191344
Ion Ratio Lower Upper
146 100
148 65.9 51.5 77.3
111 40.2 32.5 48.7

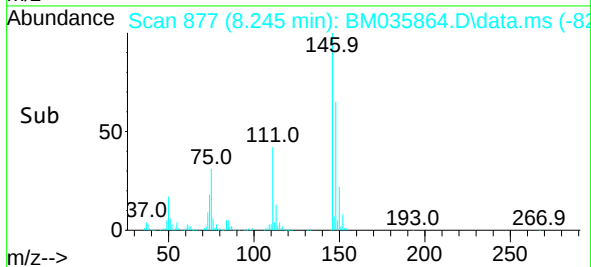
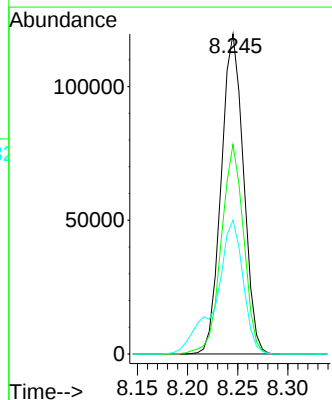
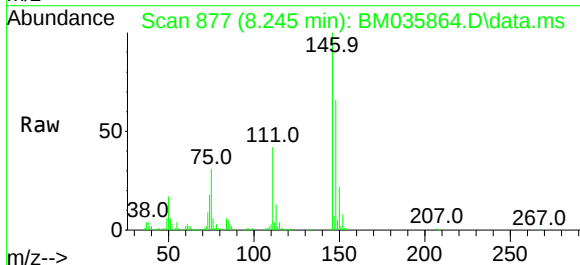
Manual Integrations
APPROVED

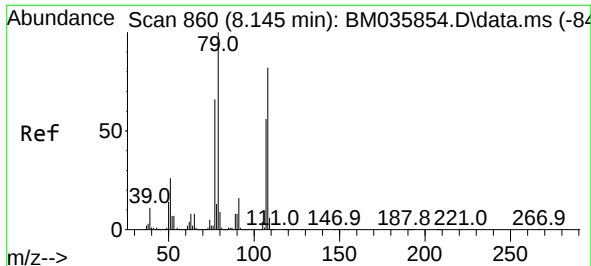
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#14
1,2-Dichlorobenzene
Concen: 7.361 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

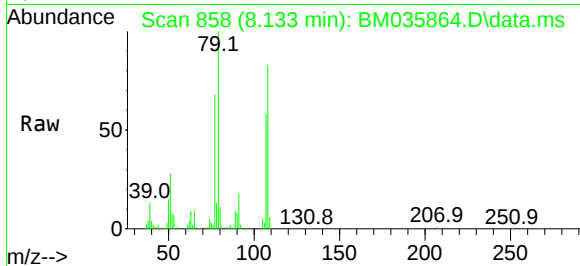
Tgt Ion:146 Resp: 184430
Ion Ratio Lower Upper
146 100
148 65.5 50.7 76.1
111 41.8 33.9 50.9





#15
Benzyl Alcohol
Concen: 7.235 ng
RT: 8.133 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

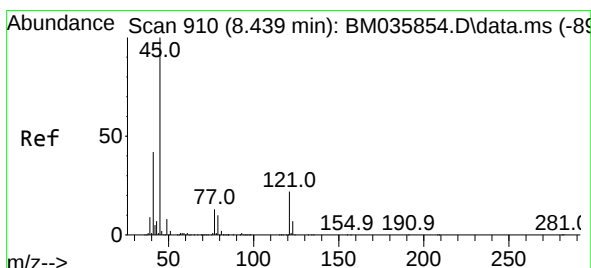
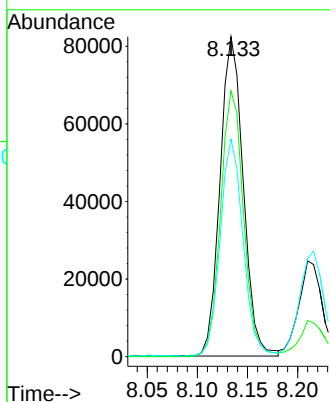
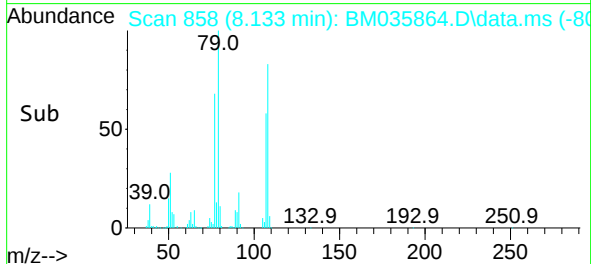
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



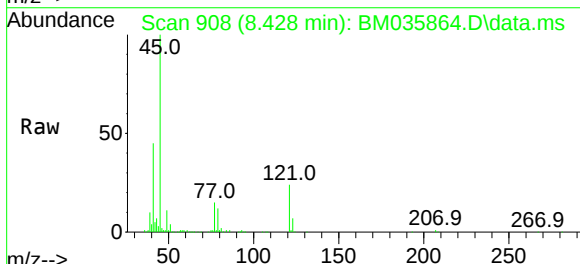
Tgt Ion: 79 Resp: 13233
Ion Ratio Lower Upper
79 100
108 83.1 59.0 88.4
77 68.0 52.2 78.4

Manual Integrations
APPROVED

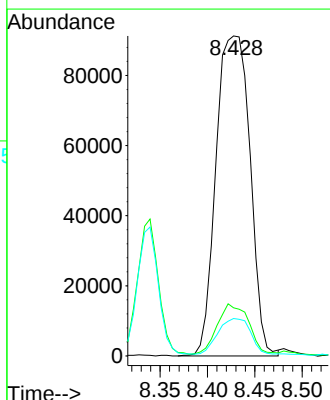
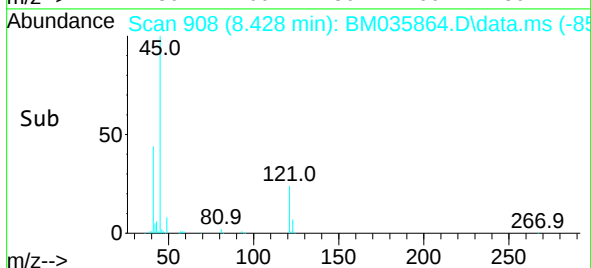
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

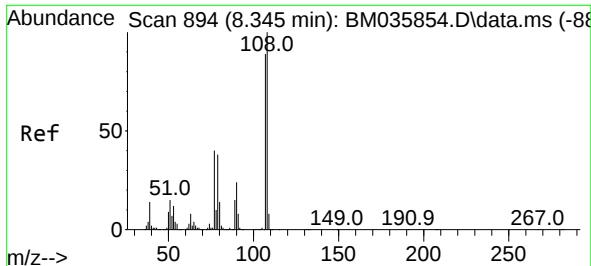


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.760 ng
RT: 8.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



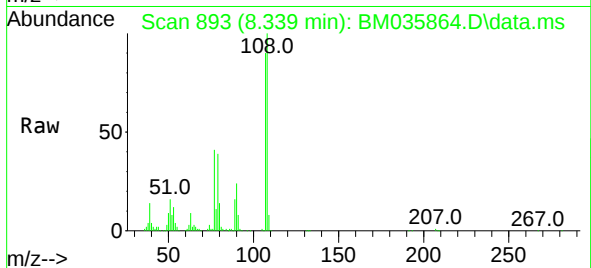
Tgt Ion: 45 Resp: 227895
Ion Ratio Lower Upper
45 100
77 15.1 0.0 33.1
79 11.7 0.0 30.5





#17
2-Methylphenol
Concen: 7.287 ng
RT: 8.339 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

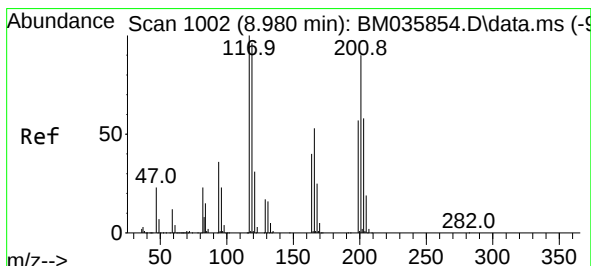
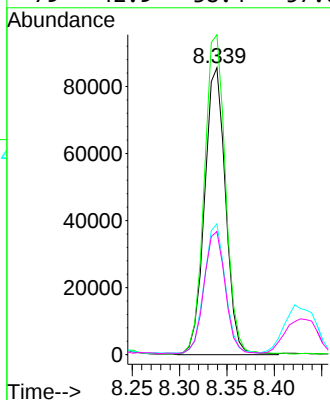
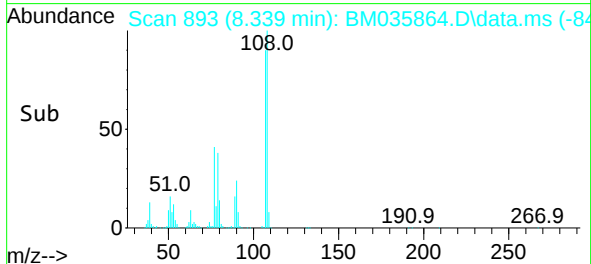
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:107 Resp: 132260
Ion Ratio Lower Upper
107 100
108 111.5 88.7 133.1
77 45.6 40.6 60.8
79 42.9 38.4 57.6

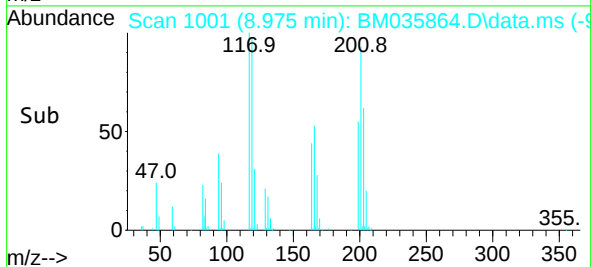
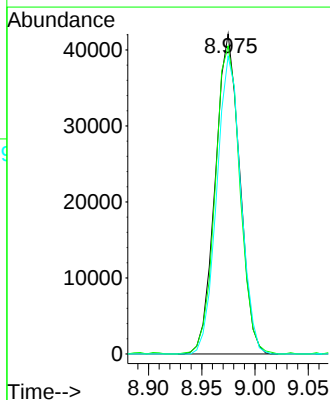
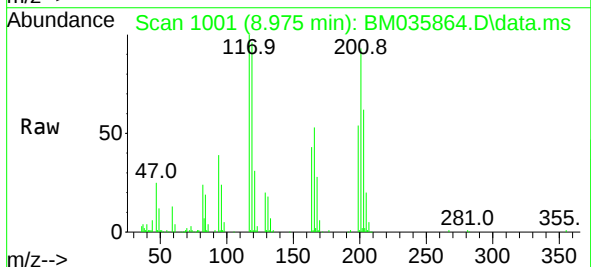
Manual Integrations
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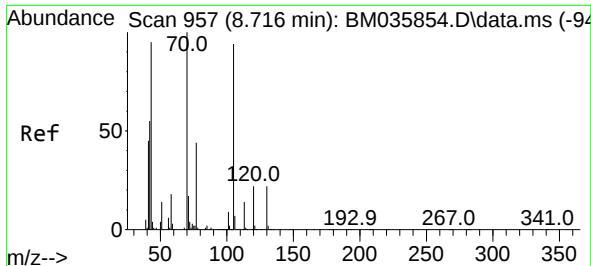
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#18
Hexachloroethane
Concen: 7.195 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

Tgt Ion:117 Resp: 67054
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.6
201 93.0 81.0 121.4





#19

n-Nitroso-di-n-propylamine

Concen: 8.026 ng

RT: 8.704 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM035864.D

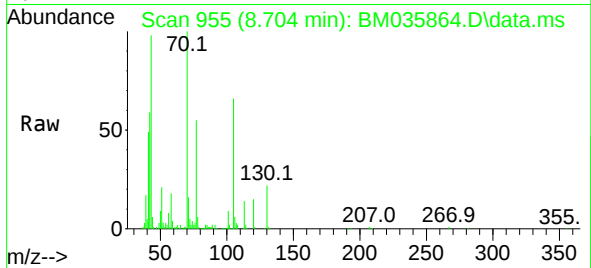
Acq: 19 Jul 2022 13:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 70 Resp: 12916

Ion Ratio Lower Upper

70 100

42 58.8 55.4 83.2

101 9.4 7.8 11.6

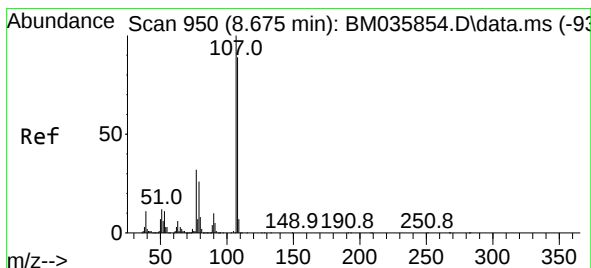
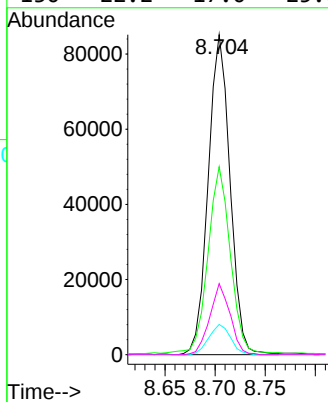
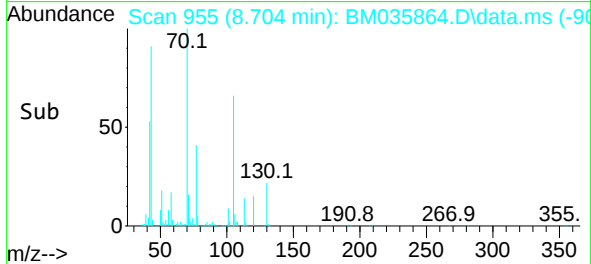
130 22.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#20

3+4-Methylphenols

Concen: 7.131 ng

RT: 8.669 min Scan# 949

Delta R.T. -0.006 min

Lab File: BM035864.D

Acq: 19 Jul 2022 13:35

Tgt Ion:107 Resp: 174926

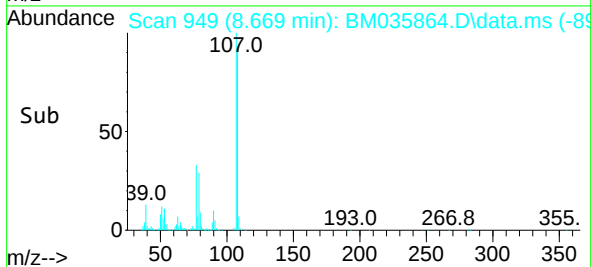
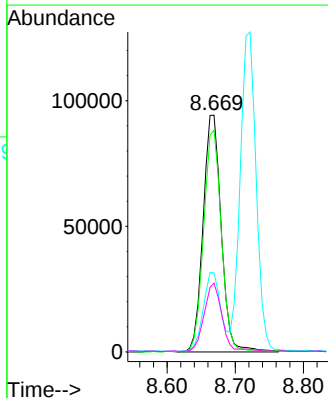
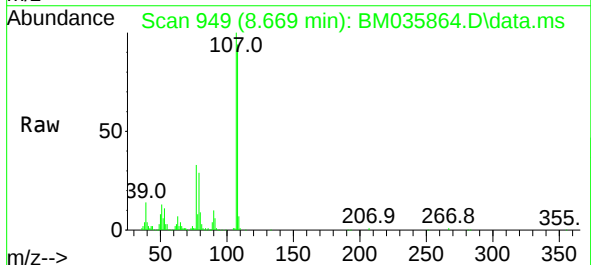
Ion Ratio Lower Upper

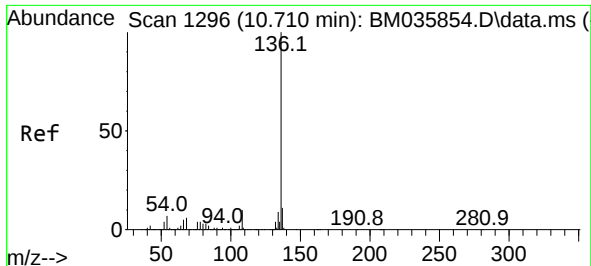
107 100

108 93.6 69.3 109.3

77 33.4 15.8 55.8

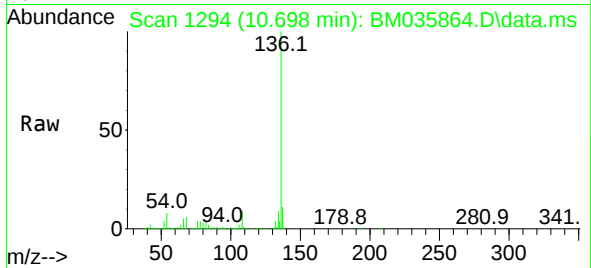
79 29.0 12.3 52.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

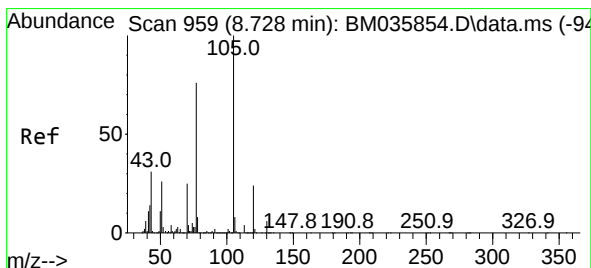
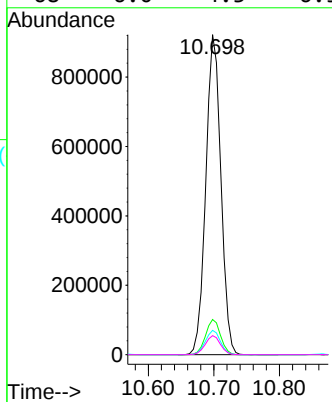
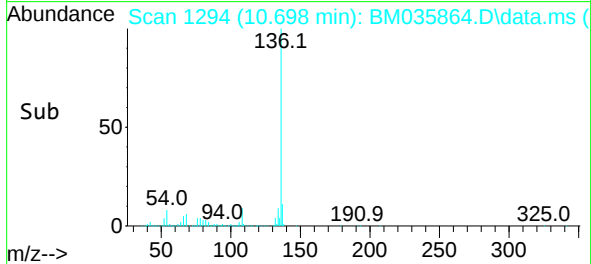
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 1472569
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.6 7.0 10.4
68 6.0 4.3 6.5

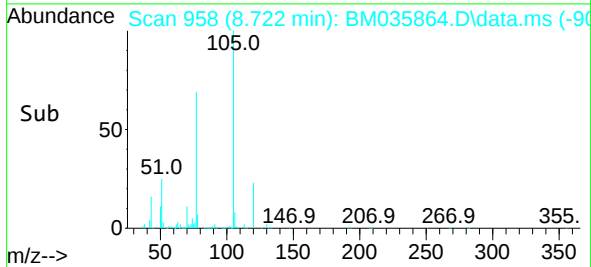
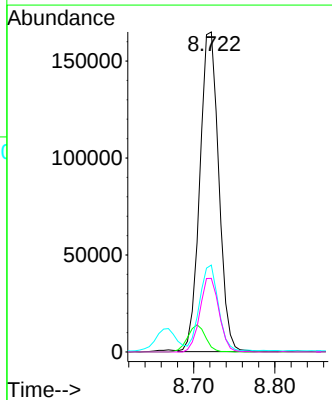
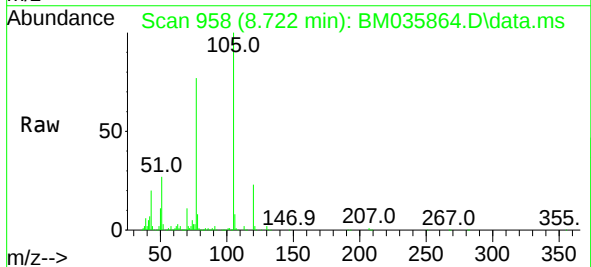
Manual Integrations
APPROVED

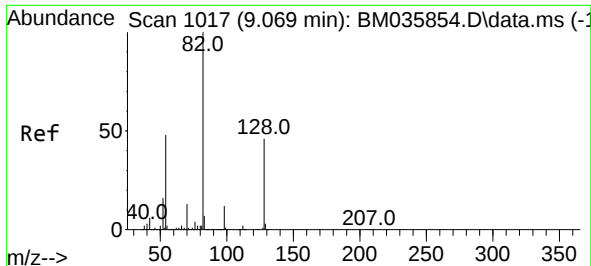
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#22
Acetophenone
Concen: 7.319 ng
RT: 8.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

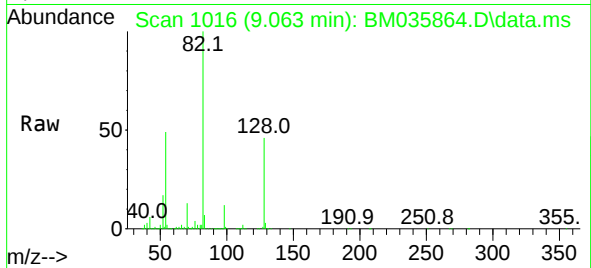
Tgt Ion:105 Resp: 266346
Ion Ratio Lower Upper
105 100
71 1.5 5.0 7.4#
51 27.2 25.6 38.4
120 23.0 17.8 26.8





#23
Nitrobenzene-d5
Concen: 82.875 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

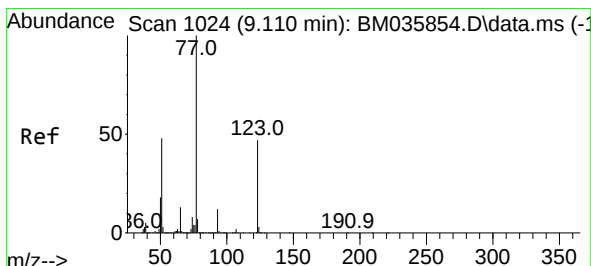
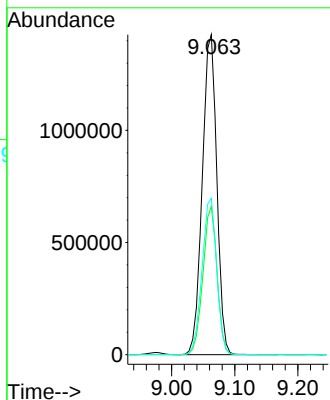
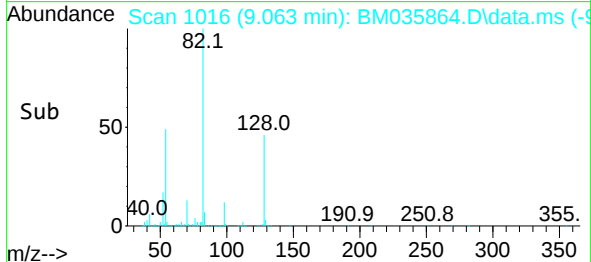
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 82 Resp: 2281798
Ion Ratio Lower Upper
82 100
128 46.4 33.7 50.5
54 48.9 43.2 64.8

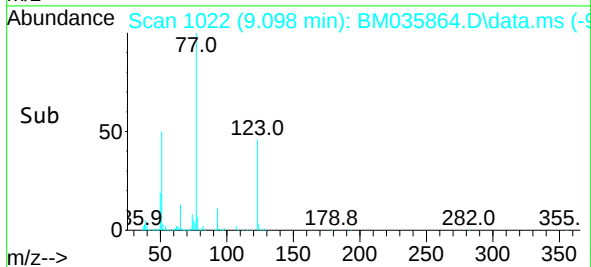
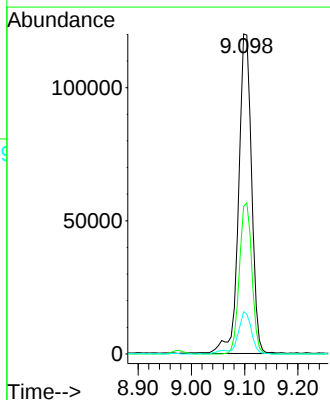
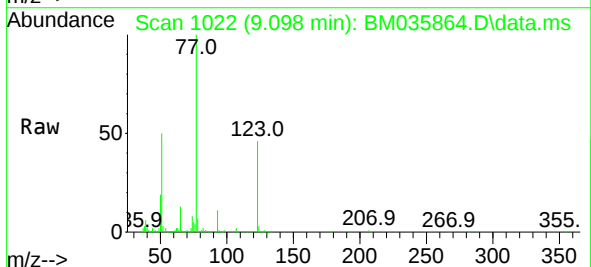
Manual Integrations
APPROVED

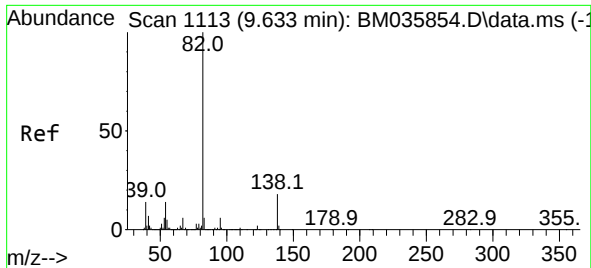
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#24
Nitrobenzene
Concen: 7.855 ng
RT: 9.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

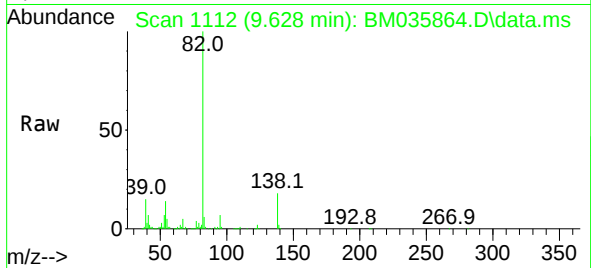
Tgt Ion: 77 Resp: 203137
Ion Ratio Lower Upper
77 100
123 46.1 36.2 54.4
65 13.2 11.4 17.0





#25
Isophorone
Concen: 8.170 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

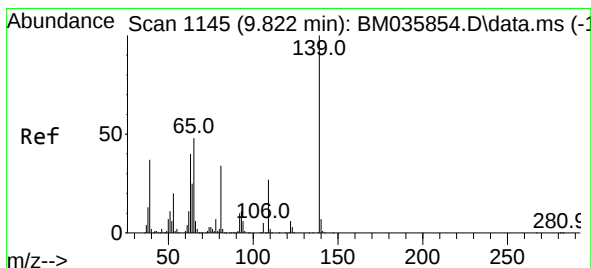
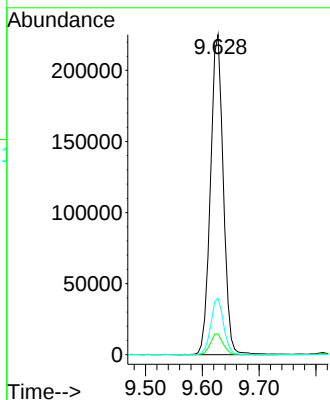
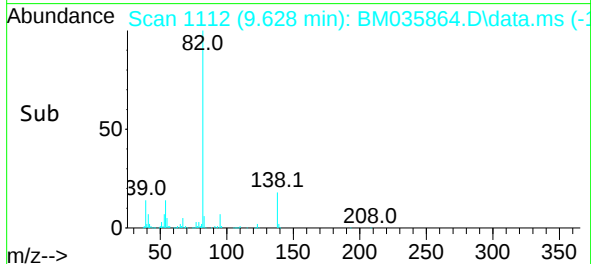
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 82 Resp: 35189
Ion Ratio Lower Upper
82 100
95 6.5 6.4 9.6
138 17.6 14.2 21.4

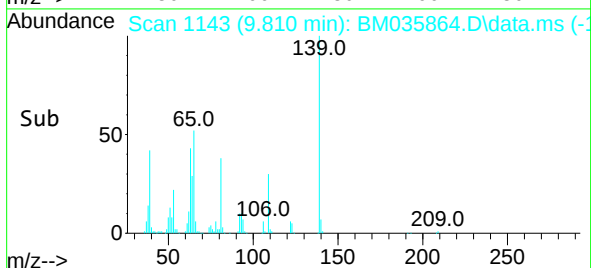
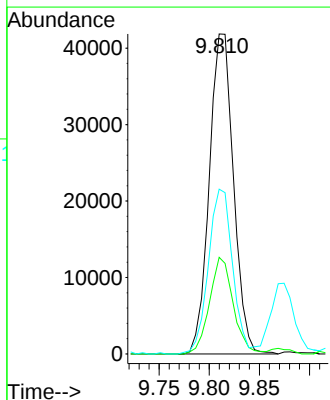
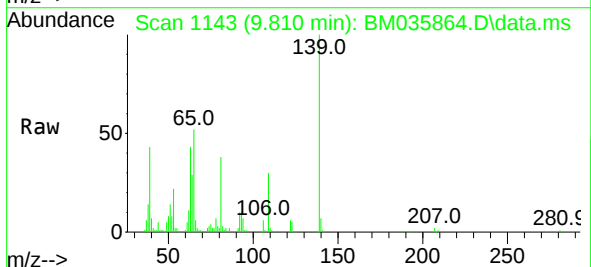
Manual Integrations
APPROVED

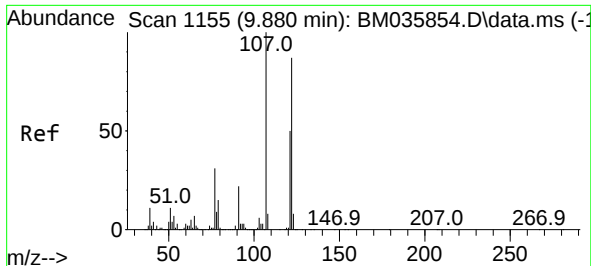
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#26
2-Nitrophenol
Concen: 6.030 ng
RT: 9.810 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

Tgt Ion:139 Resp: 70240
Ion Ratio Lower Upper
139 100
109 30.2 25.6 38.4
65 51.5 43.2 64.8





#27

2,4-Dimethylphenol

Concen: 8.147 ng

RT: 9.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BM035864.D

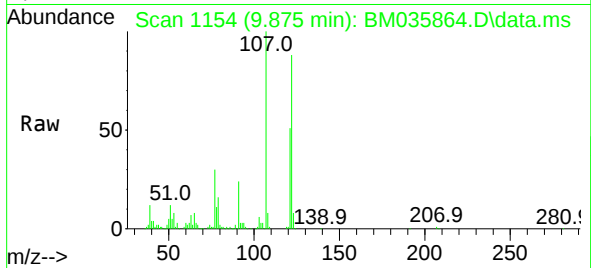
Acq: 19 Jul 2022 13:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



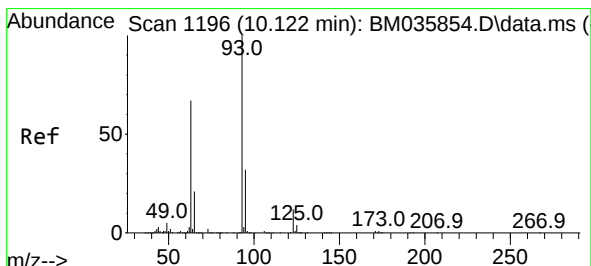
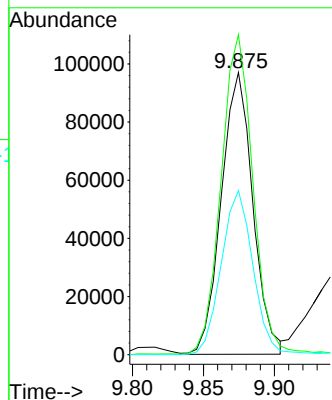
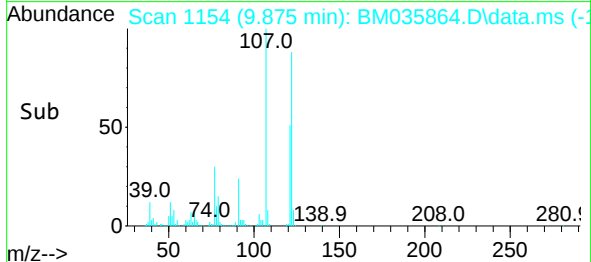
Tgt Ion:	122	Resp:	14970
Ion	Ratio	Lower	Upper
122	100		
107	113.4	92.4	138.6
121	58.1	47.4	71.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#28

bis(2-Chloroethoxy)methane

Concen: 7.545 ng

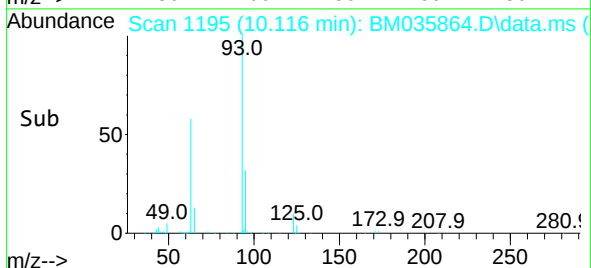
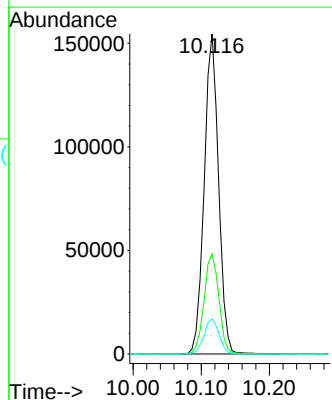
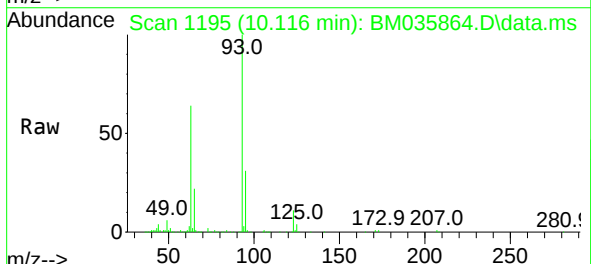
RT: 10.116 min Scan# 1195

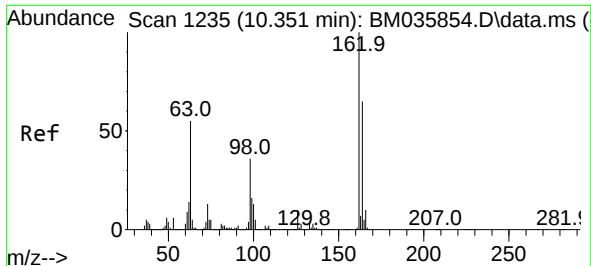
Delta R.T. -0.006 min

Lab File: BM035864.D

Acq: 19 Jul 2022 13:35

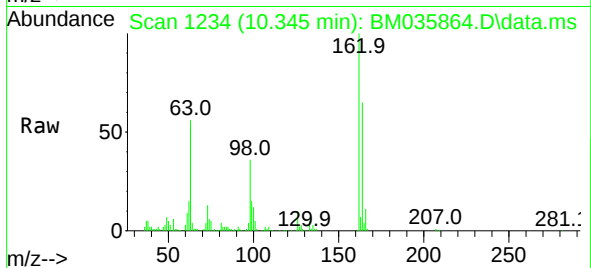
Tgt Ion:	93	Resp:	226196
Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.1	39.1
123	11.0	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 6.750 ng
RT: 10.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

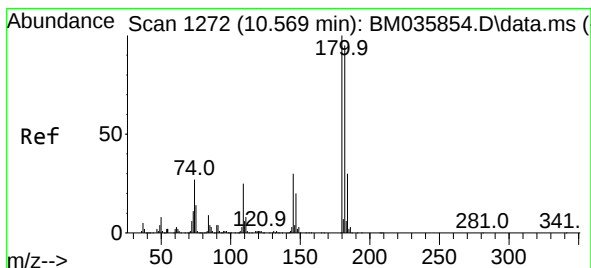
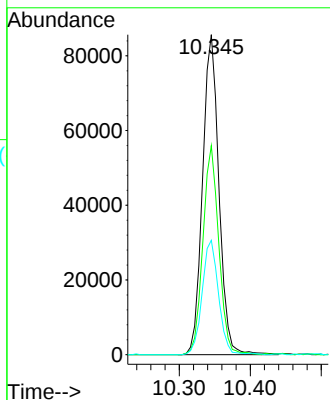
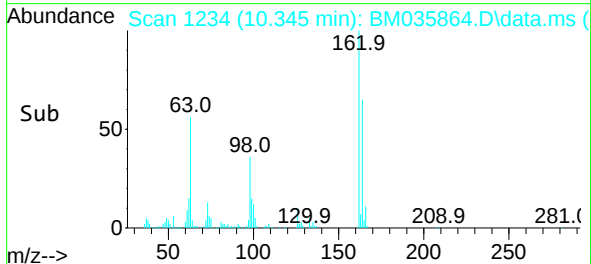
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



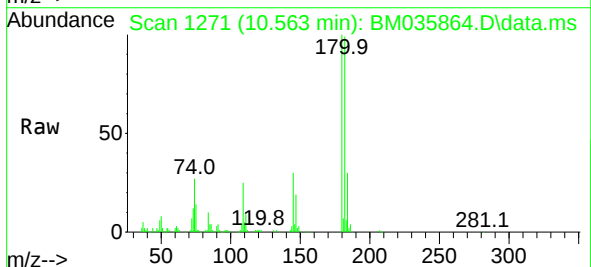
Tgt Ion:162 Resp: 137529
Ion Ratio Lower Upper
162 100
164 65.3 44.2 84.2
98 35.7 15.0 55.0

Manual Integrations
APPROVED

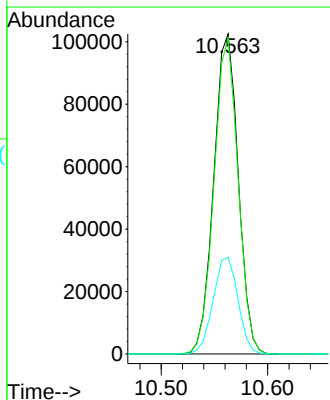
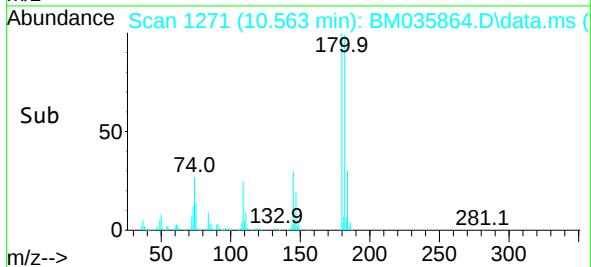
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

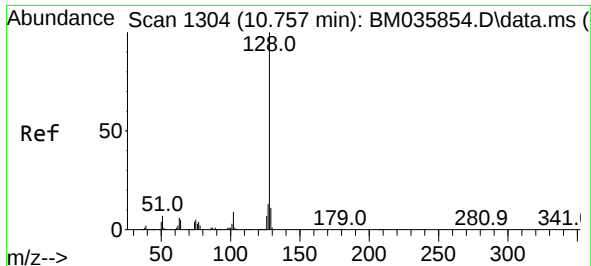


#30
1,2,4-Trichlorobenzene
Concen: 6.942 ng
RT: 10.563 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



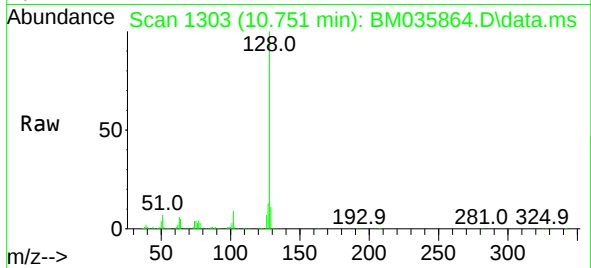
Tgt Ion:180 Resp: 163237
Ion Ratio Lower Upper
180 100
182 98.6 77.9 116.9
145 30.2 25.0 37.6





#31
Naphthalene
Concen: 7.481 ng
RT: 10.751 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

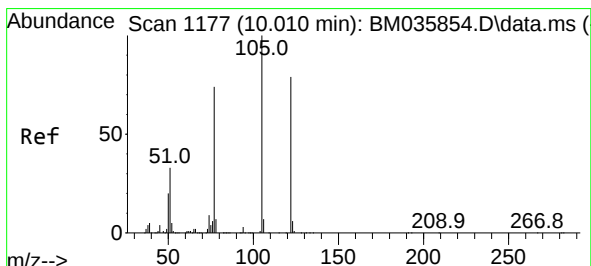
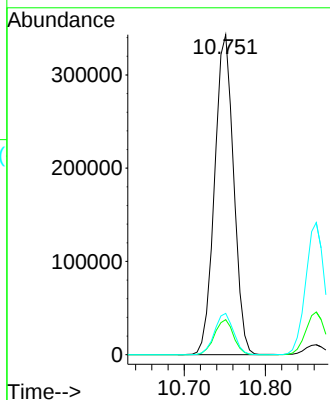
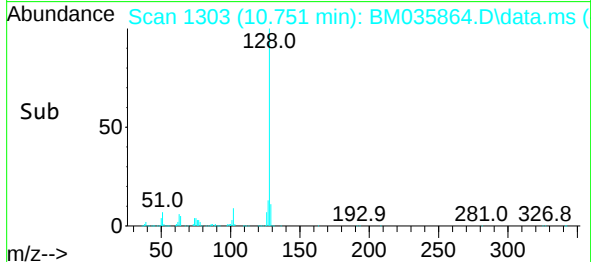
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:128 Resp: 559749
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.6 16.0

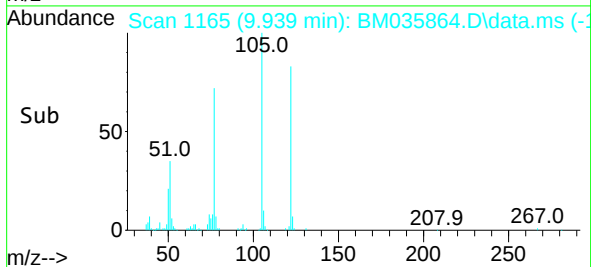
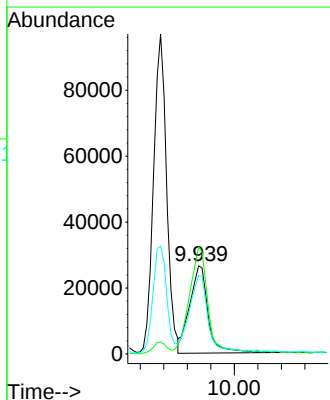
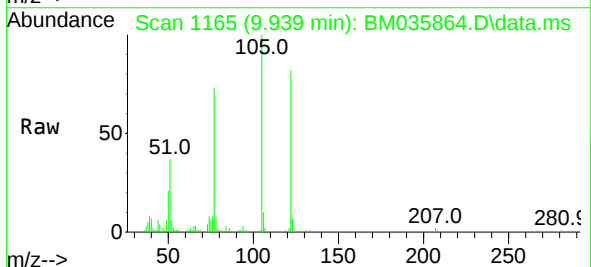
Manual Integrations
APPROVED

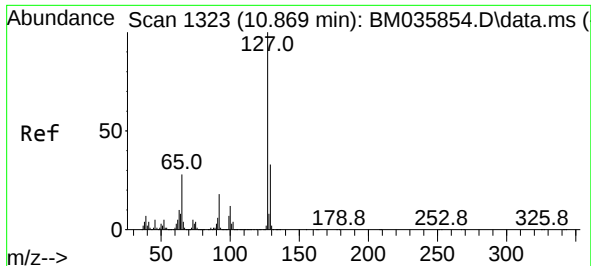
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#32
Benzoic acid
Concen: 4.177 ng
RT: 9.939 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

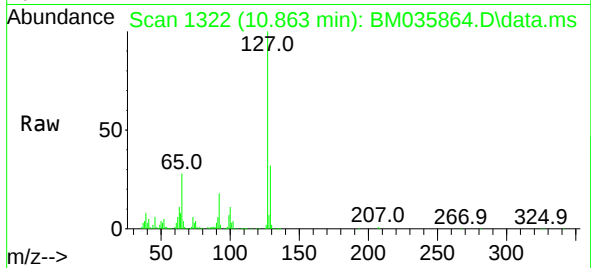
Tgt Ion:122 Resp: 58053
Ion Ratio Lower Upper
122 100
105 121.7 105.7 145.7
77 88.9 80.0 120.0





#33
4-Chloroaniline
Concen: 7.791 ng
RT: 10.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

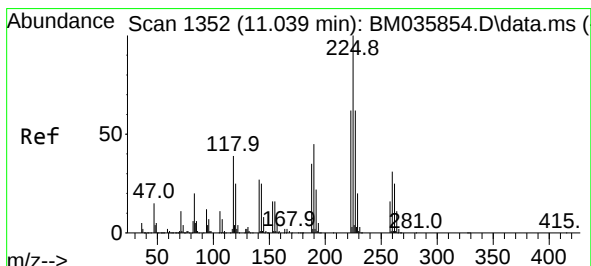
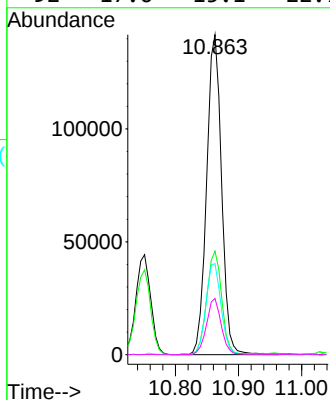
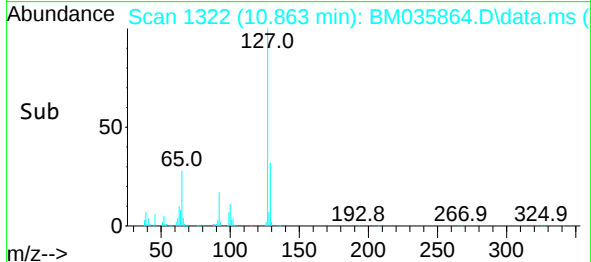
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



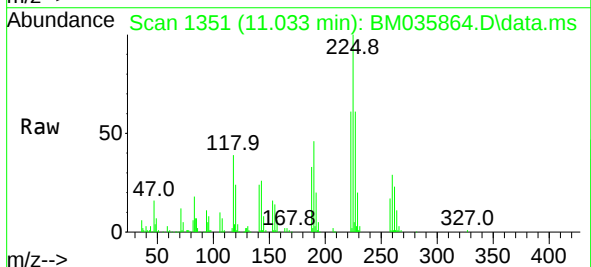
Tgt Ion:127 Resp: 23319
Ion Ratio Lower Upper
127 100
129 32.3 25.7 38.5
65 28.4 26.6 40.0
92 17.6 15.1 22.7

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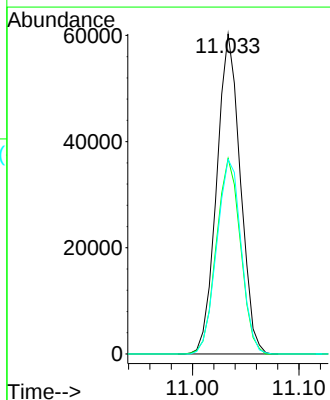
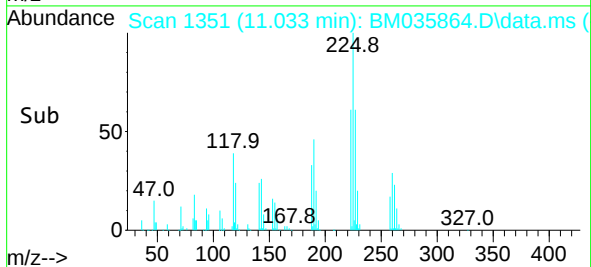
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

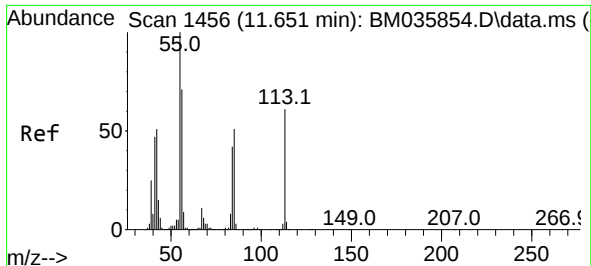


#34
Hexachlorobutadiene
Concen: 6.864 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



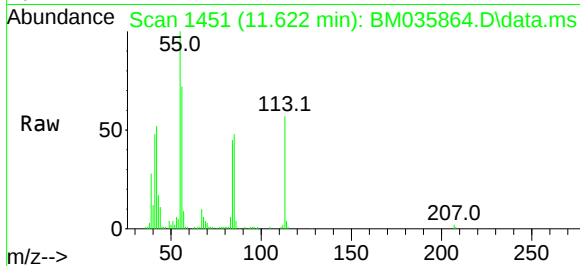
Tgt Ion:225 Resp: 92631
Ion Ratio Lower Upper
225 100
223 61.1 50.8 76.2
227 60.8 52.7 79.1





#35
Caprolactam
Concen: 6.676 ng
RT: 11.622 min Scan# 1456
Delta R.T. -0.029 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

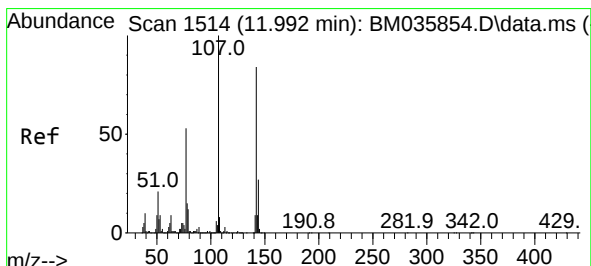
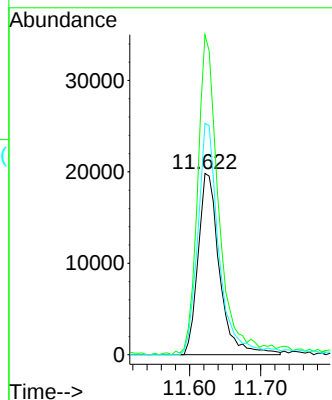
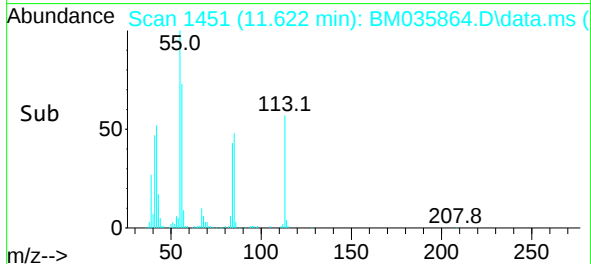
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



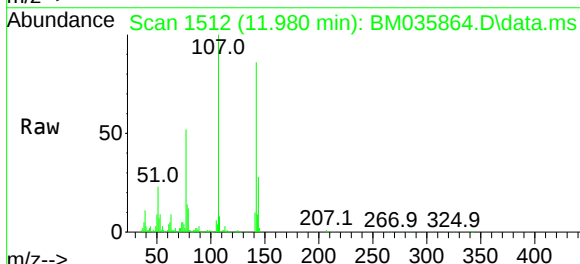
Tgt Ion:113 Resp: 41598
Ion Ratio Lower Upper
113 100
55 176.5 150.1 190.1
56 127.6 111.7 151.7

Manual Integrations
APPROVED

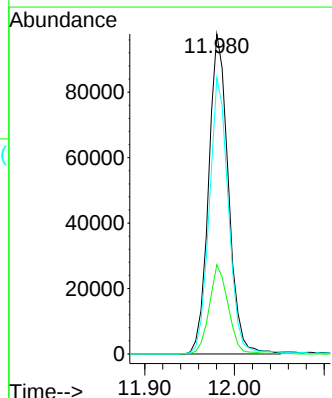
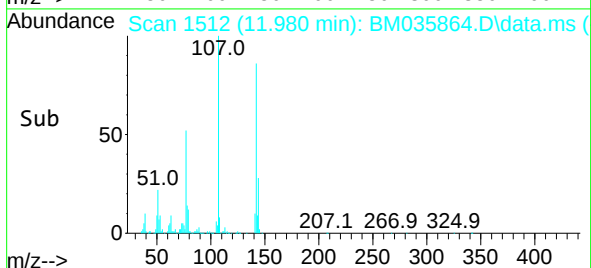
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

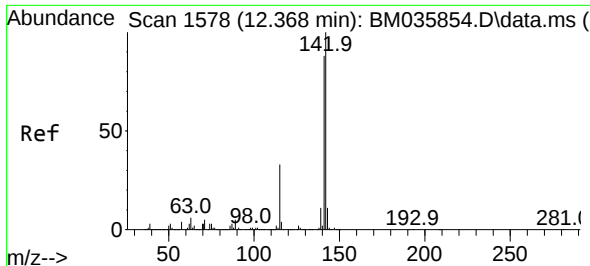


#36
4-Chloro-3-methylphenol
Concen: 7.163 ng
RT: 11.980 min Scan# 1512
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



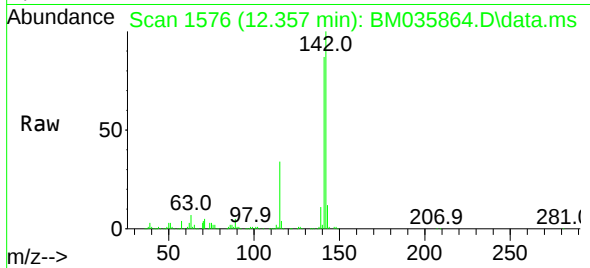
Tgt Ion:107 Resp: 149655
Ion Ratio Lower Upper
107 100
144 27.9 21.4 32.0
142 86.3 66.7 100.1





#37
2-Methylnaphthalene
Concen: 7.639 ng
RT: 12.357 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

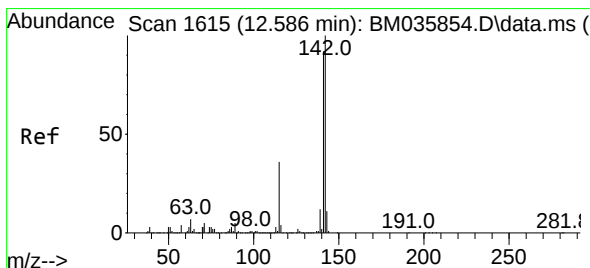
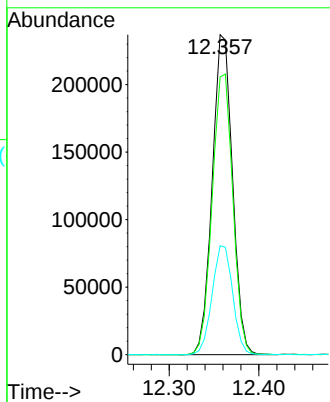
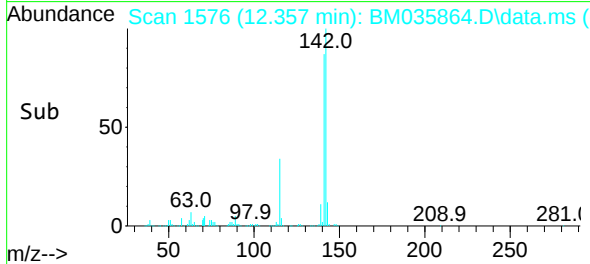
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



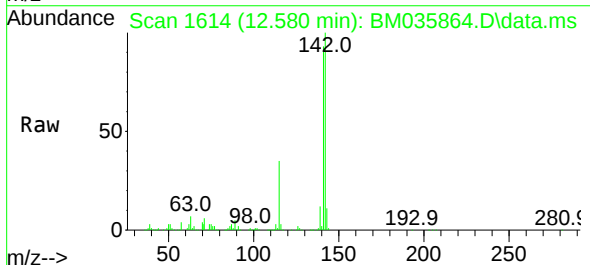
Tgt Ion:142 Resp: 371789
Ion Ratio Lower Upper
142 100
141 86.8 72.4 108.6
115 34.1 29.6 44.4

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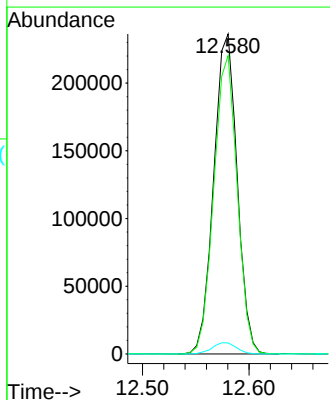
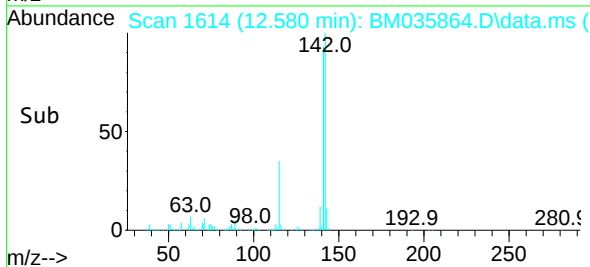
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

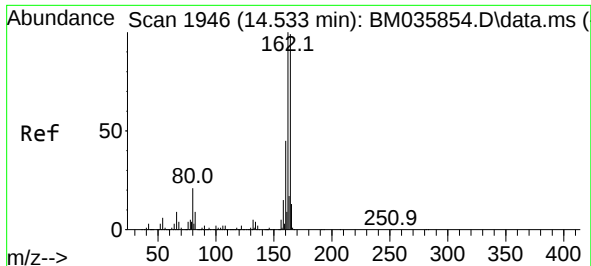


#38
1-Methylnaphthalene
Concen: 7.607 ng
RT: 12.580 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



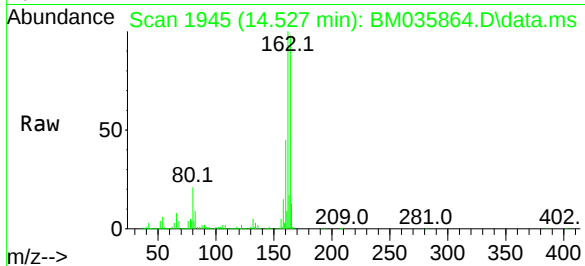
Tgt Ion:142 Resp: 360383
Ion Ratio Lower Upper
142 100
141 93.3 75.0 112.4
116 3.5 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

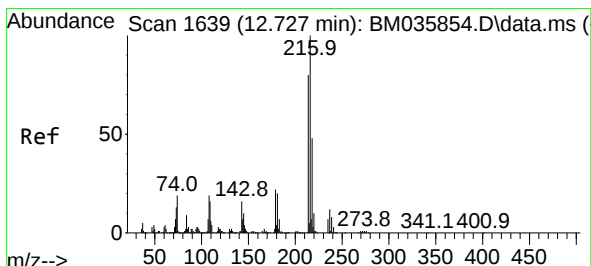
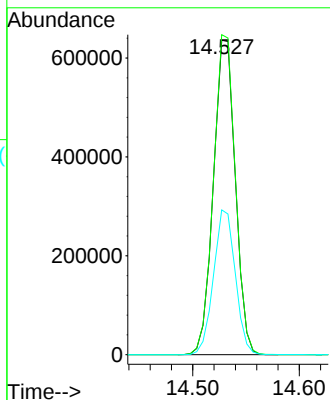
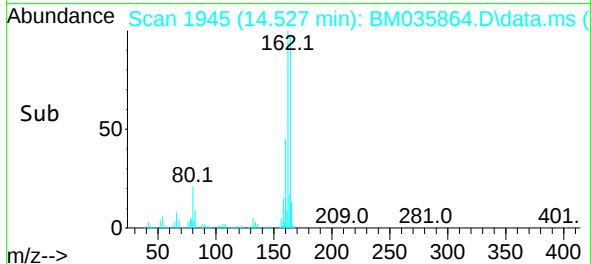
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



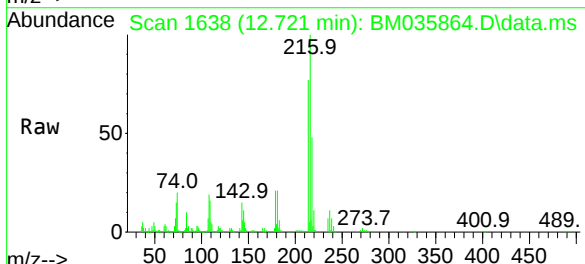
Tgt Ion:164 Resp: 910860
Ion Ratio Lower Upper
164 100
162 101.8 83.0 124.6
160 46.0 37.0 55.4

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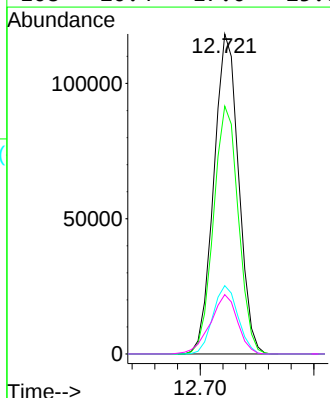
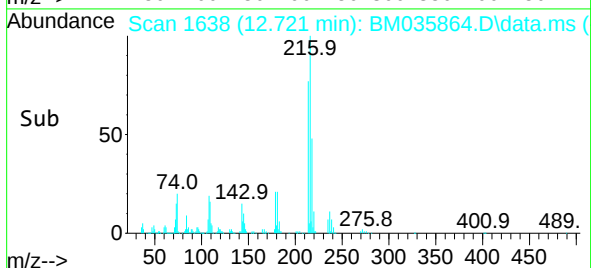
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

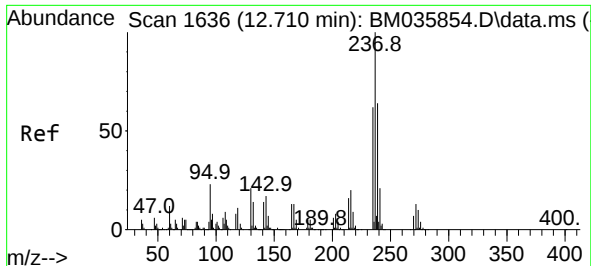


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.879 ng
RT: 12.721 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



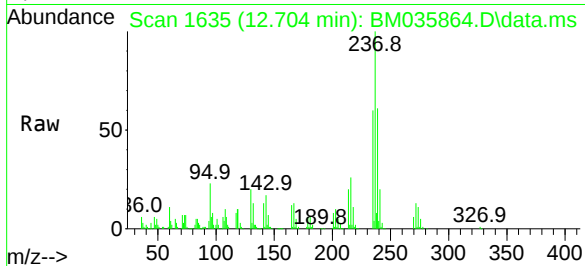
Tgt Ion:216 Resp: 179024
Ion Ratio Lower Upper
216 100
214 77.9 62.6 94.0
179 21.5 18.2 27.2
108 20.4 17.0 25.6





#41
Hexachlorocyclopentadiene
Concen: 7.485 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

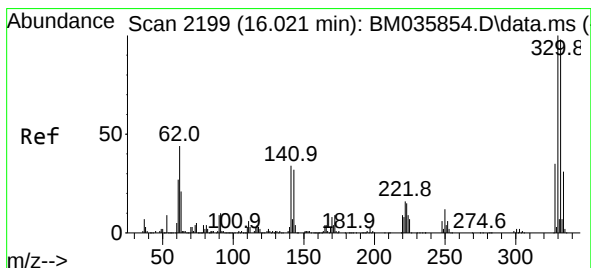
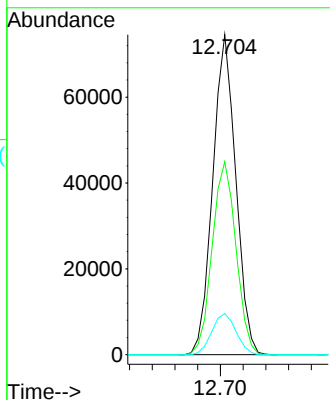
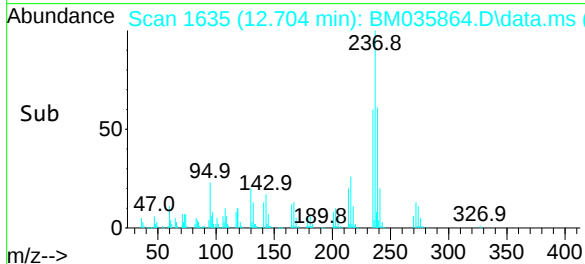
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:237 Resp: 104984
Ion Ratio Lower Upper
237 100
235 60.3 43.8 83.8
272 12.9 0.0 32.5

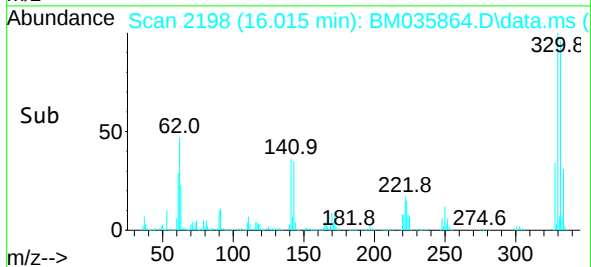
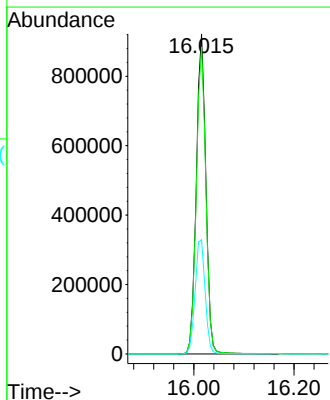
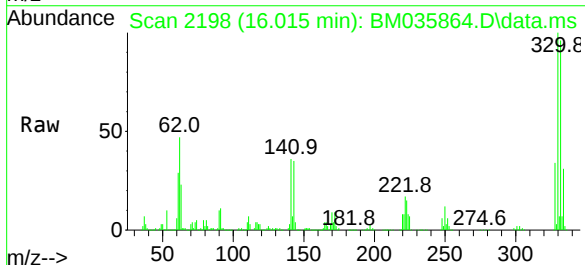
Manual Integrations
APPROVED

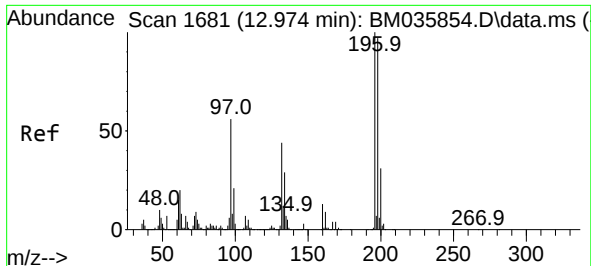
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#42
2,4,6-Tribromophenol
Concen: 119.458 ng
RT: 16.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

Tgt Ion:330 Resp: 1217092
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 37.9 35.3 52.9





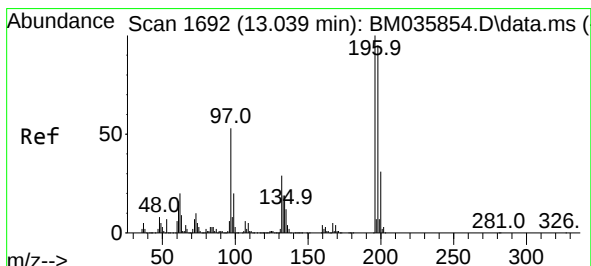
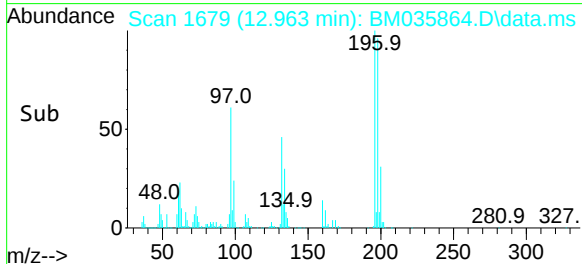
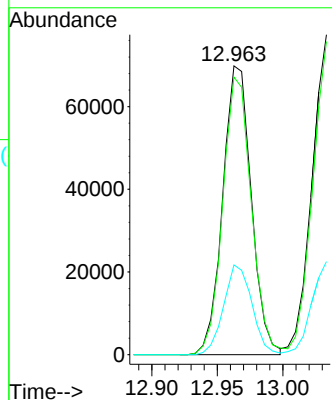
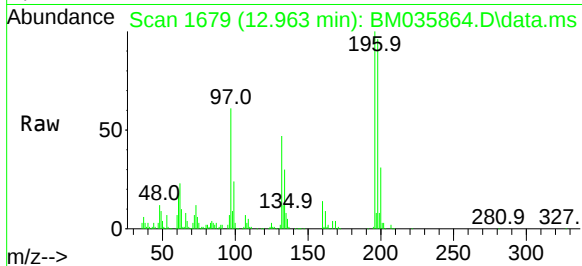
#43
2,4,6-Trichlorophenol
Concen: 6.156 ng
RT: 12.963 min Scan# 1691
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

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

Tgt Ion:196 Resp: 10589
Ion Ratio Lower Upper
196 100
198 96.1 75.8 113.6
200 31.1 24.9 37.3

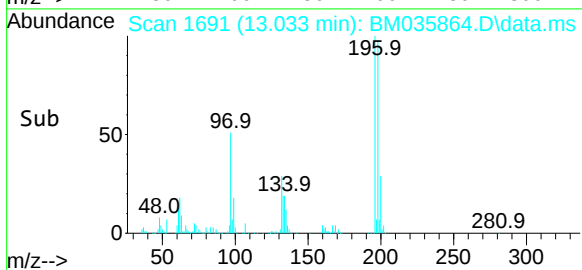
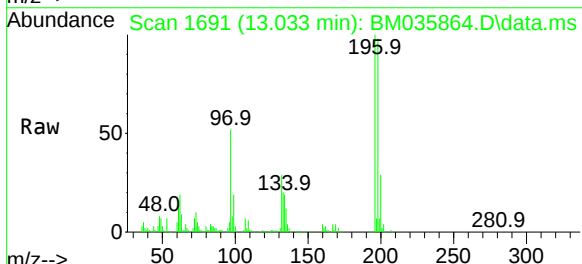
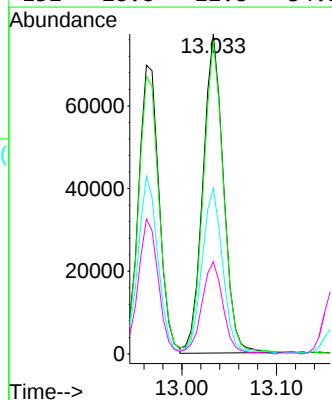
Manual Integrations
APPROVED

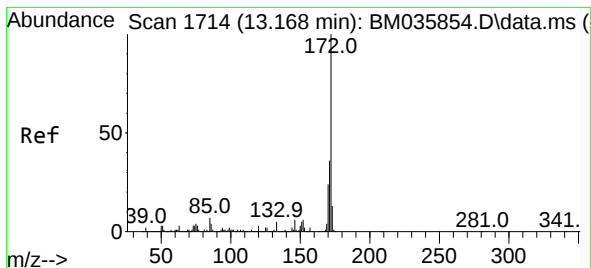
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#44
2,4,5-Trichlorophenol
Concen: 6.396 ng
RT: 13.033 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

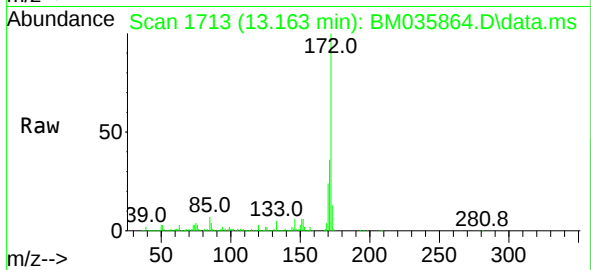
Tgt Ion:196 Resp: 116007
Ion Ratio Lower Upper
196 100
198 97.8 77.8 116.6
97 51.8 43.4 65.2
132 28.8 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 82.395 ng
RT: 13.163 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

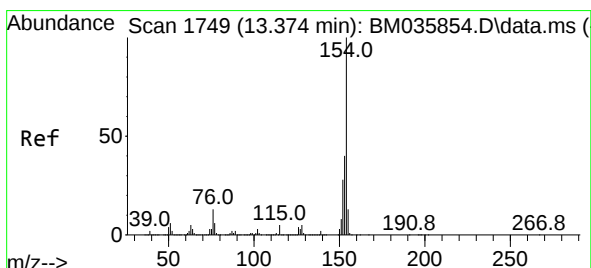
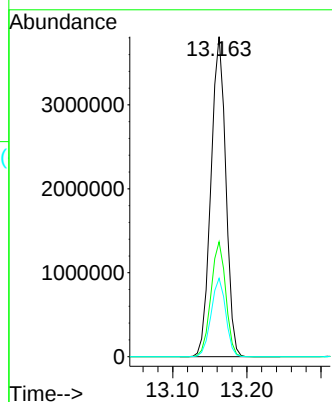
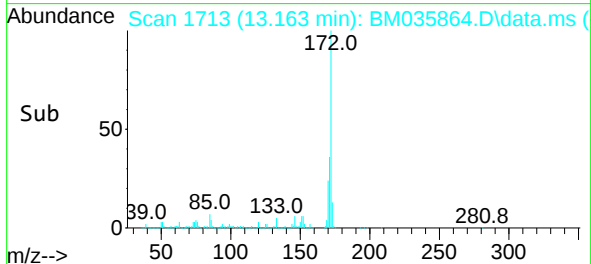
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



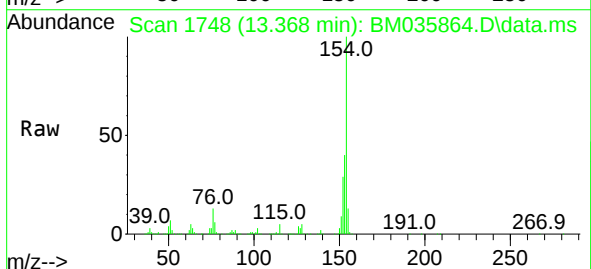
Tgt Ion:172 Resp: 5309508
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.5 18.7 28.1

Manual Integrations
APPROVED

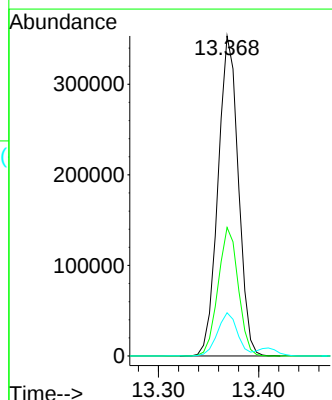
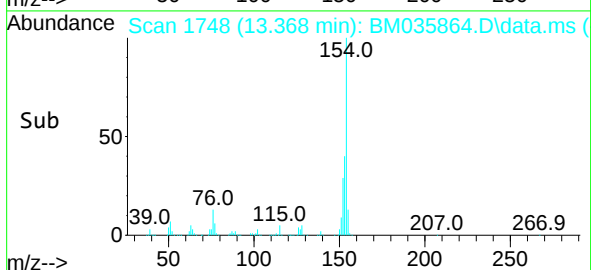
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

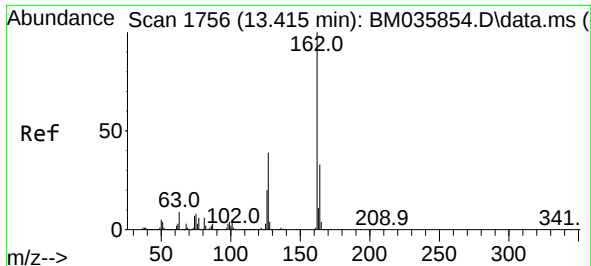


#46
1,1'-Biphenyl
Concen: 7.158 ng
RT: 13.368 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



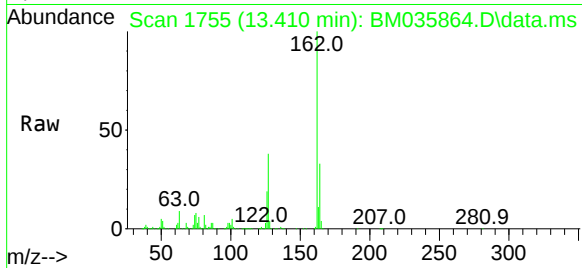
Tgt Ion:154 Resp: 495968
Ion Ratio Lower Upper
154 100
153 40.1 20.5 60.5
76 13.5 0.0 31.8





#47
2-Chloronaphthalene
Concen: 7.056 ng
RT: 13.410 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

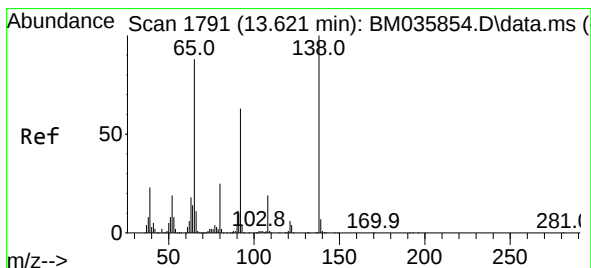
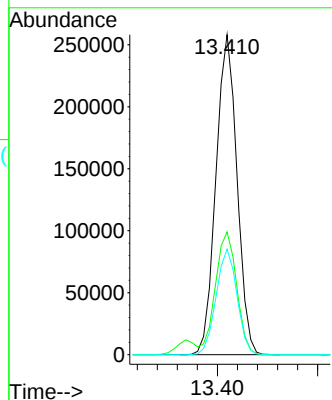
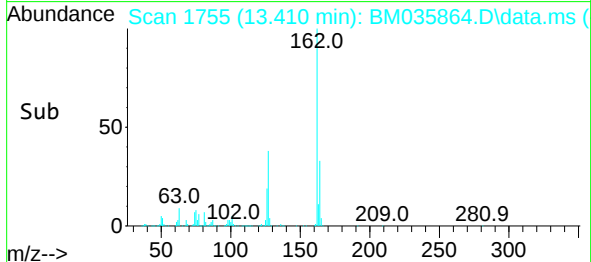
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



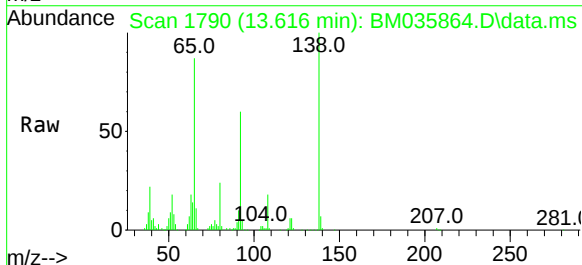
Tgt Ion:162 Resp: 375789
Ion Ratio Lower Upper
162 100
127 38.4 30.6 45.8
164 33.0 26.6 39.8

Manual Integrations
APPROVED

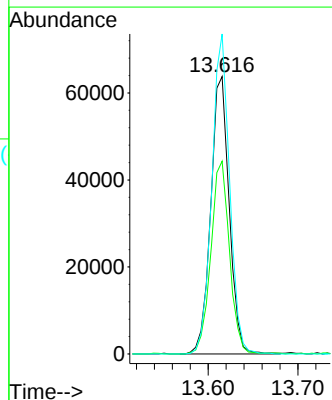
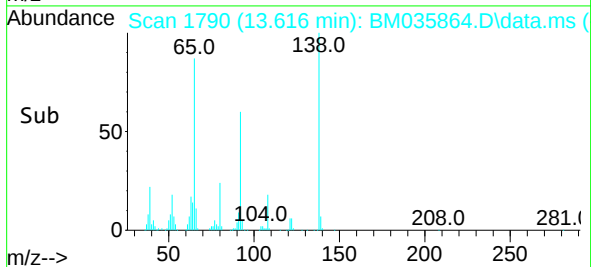
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

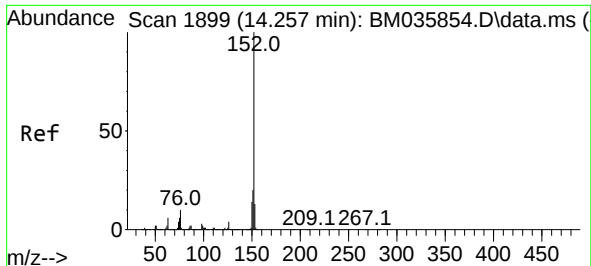


#48
2-Nitroaniline
Concen: 6.216 ng
RT: 13.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



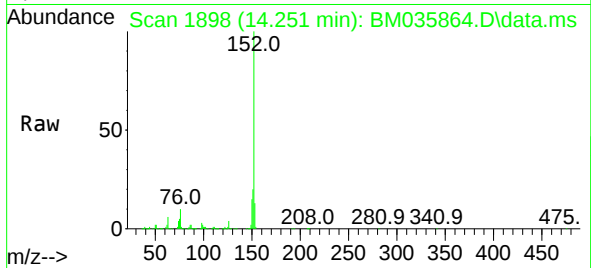
Tgt Ion: 65 Resp: 91228
Ion Ratio Lower Upper
65 100
92 69.5 53.7 80.5
138 115.4 83.9 125.9





#49
Acenaphthylene
Concen: 7.488 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

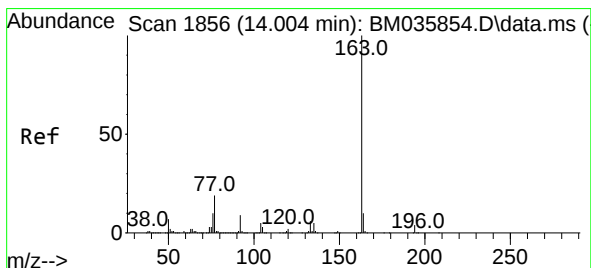
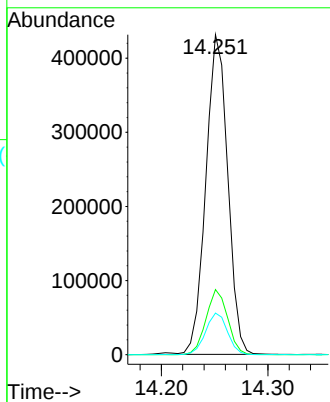
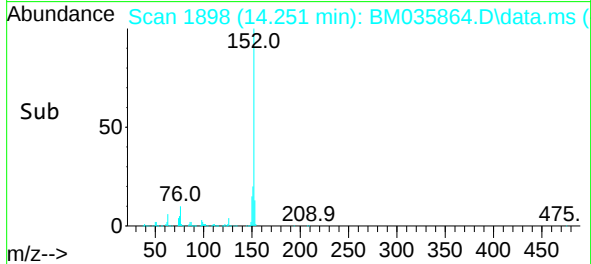
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 61408
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.0 10.5 15.7

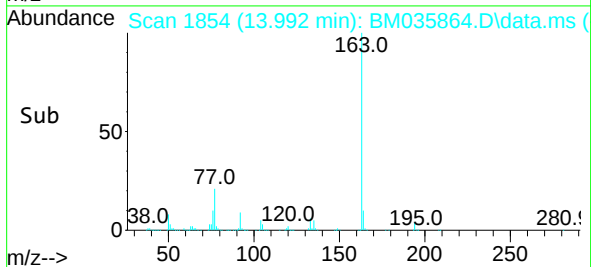
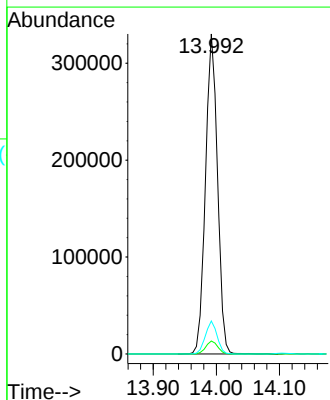
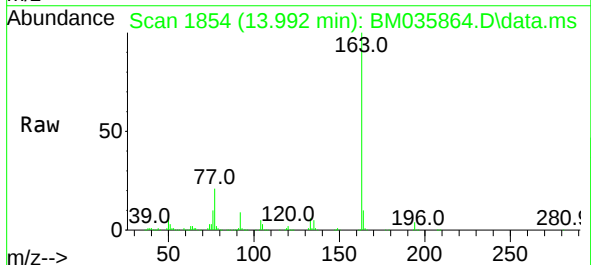
Manual Integrations
APPROVED

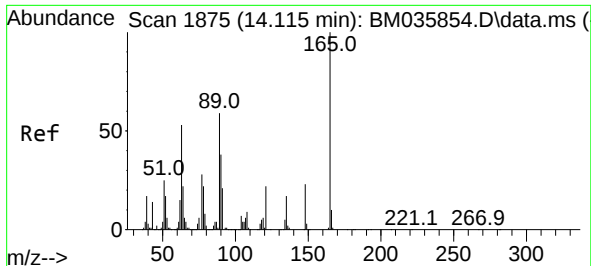
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#50
Dimethylphthalate
Concen: 7.259 ng
RT: 13.992 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

Tgt Ion:163 Resp: 435239
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.3 8.4 12.6





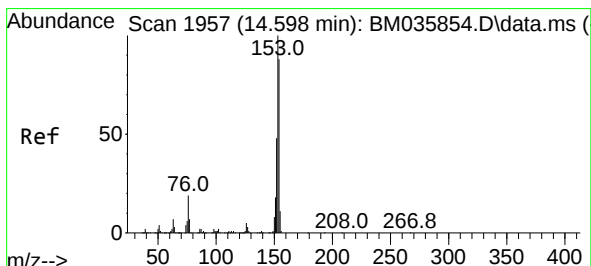
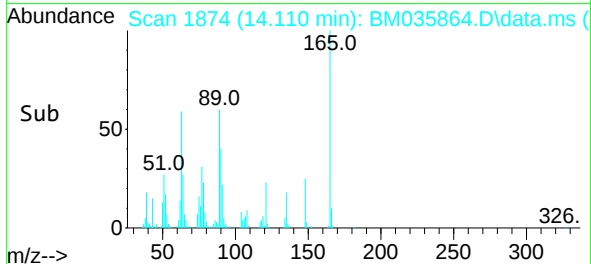
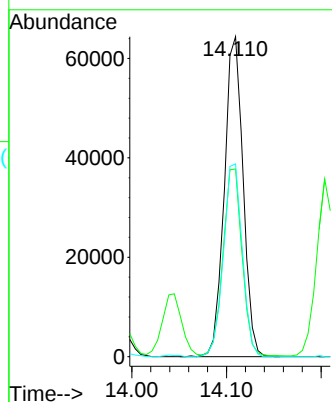
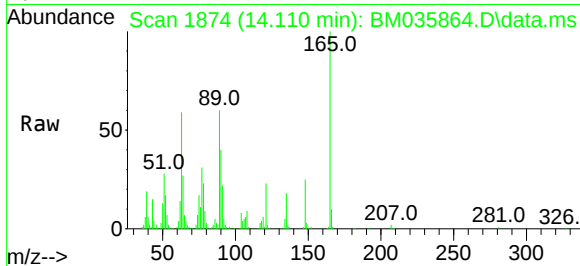
#51
2,6-Dinitrotoluene
Concen: 7.062 ng
RT: 14.110 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

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

Tgt Ion:165 Resp: 88540
Ion Ratio Lower Upper
165 100
63 58.6 50.2 75.2
89 60.3 48.4 72.6

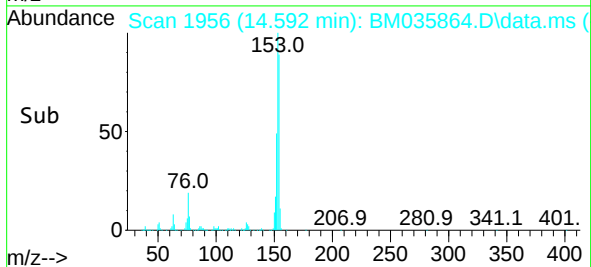
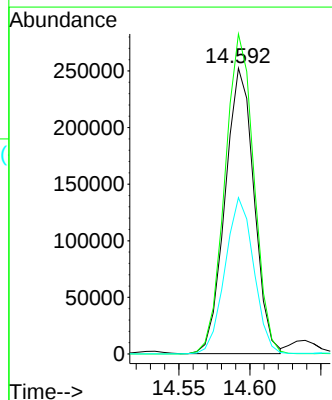
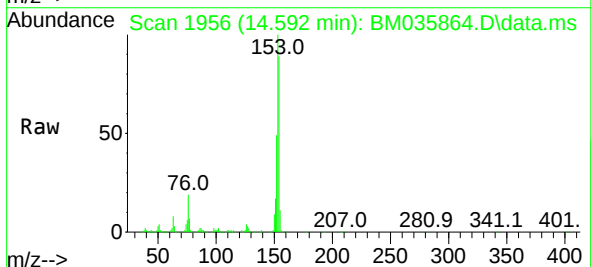
Manual Integrations
APPROVED

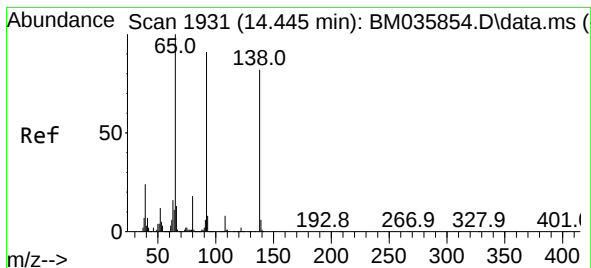
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#52
Acenaphthene
Concen: 7.268 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

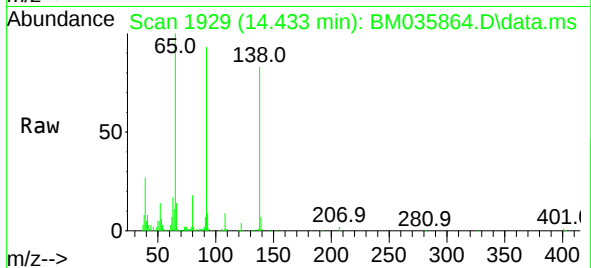
Tgt Ion:154 Resp: 357058
Ion Ratio Lower Upper
154 100
153 112.0 91.0 136.6
152 54.7 43.4 65.2





#53
3-Nitroaniline
Concen: 6.631 ng
RT: 14.433 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

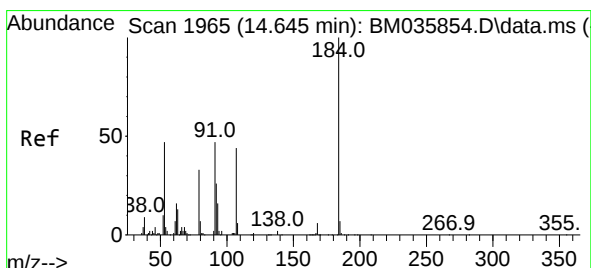
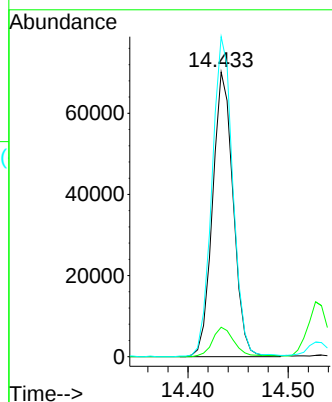
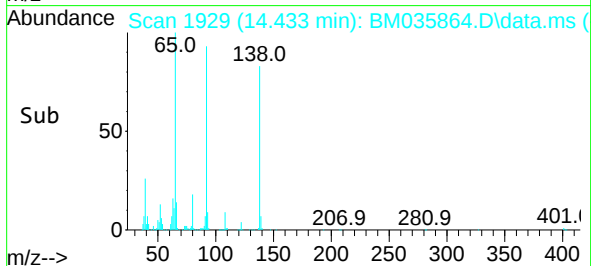
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:138 Resp: 10009
Ion Ratio Lower Upper
138 100
108 10.4 8.7 13.1
92 112.4 91.5 137.3

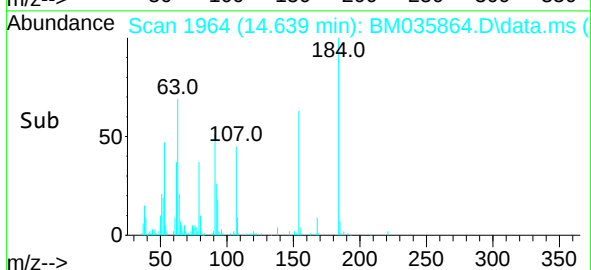
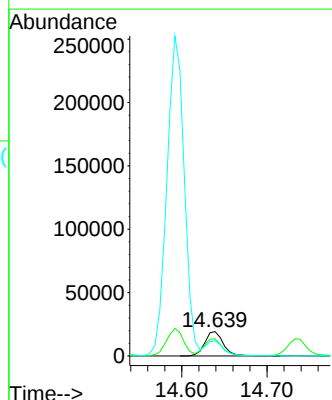
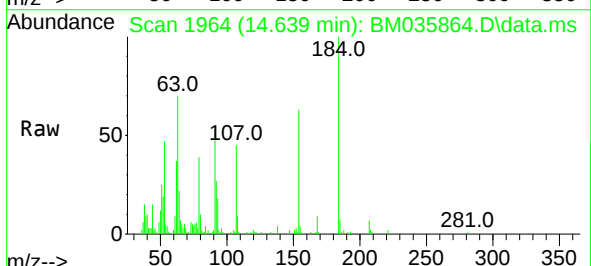
Manual Integrations
APPROVED

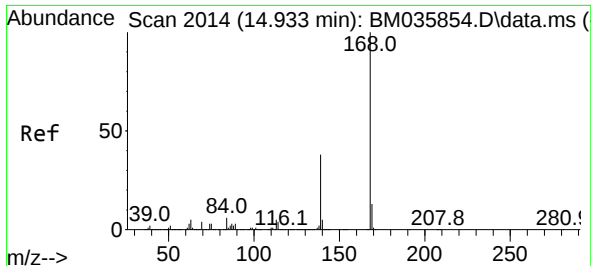
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#54
2,4-Dinitrophenol
Concen: 4.701 ng
RT: 14.639 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

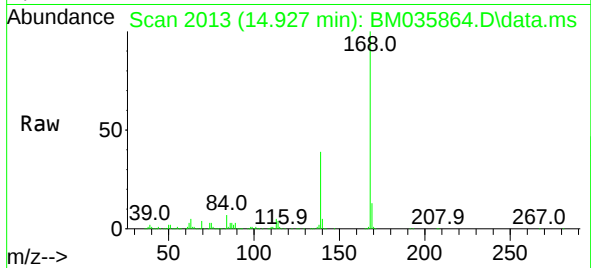
Tgt Ion:184 Resp: 29041
Ion Ratio Lower Upper
184 100
63 70.2 59.5 89.3
154 62.6 55.6 83.4





#55
Dibenzenofuran
Concen: 7.220 ng
RT: 14.927 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

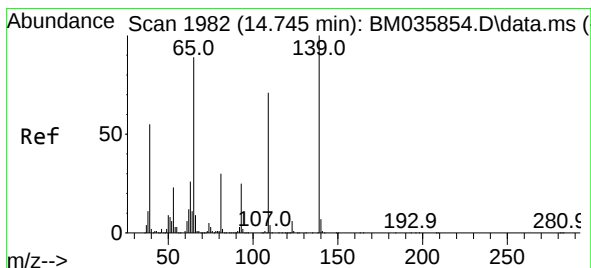
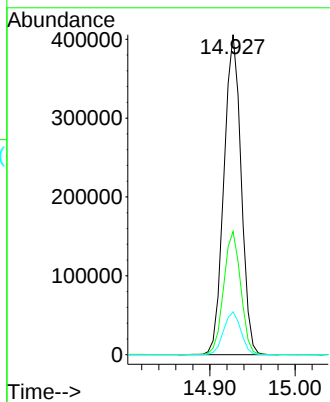
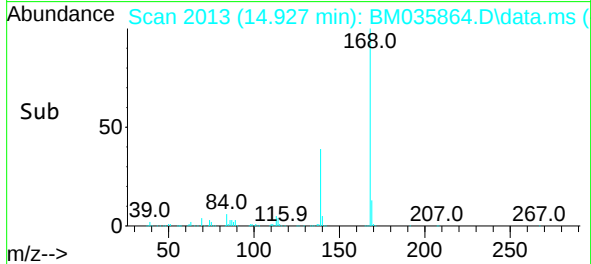
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



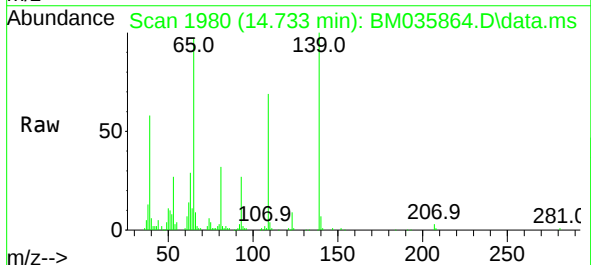
Tgt Ion:168 Resp: 56828
Ion Ratio Lower Upper
168 100
139 38.5 32.2 48.2
169 13.4 10.6 16.0

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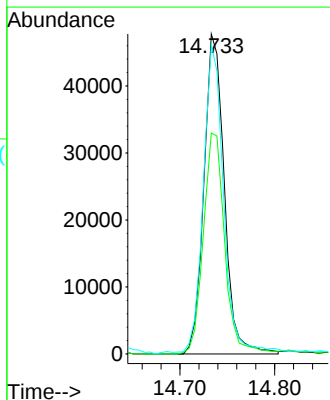
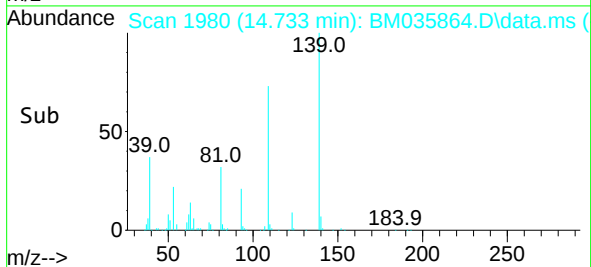
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

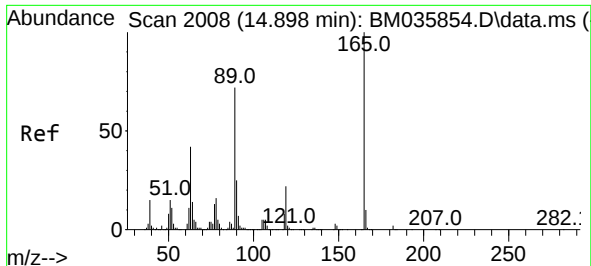


#56
4-Nitrophenol
Concen: 6.048 ng
RT: 14.733 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



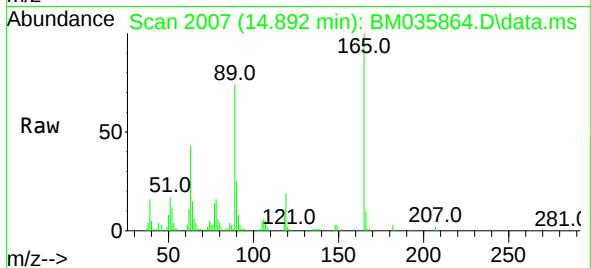
Tgt Ion:139 Resp: 71629
Ion Ratio Lower Upper
139 100
109 69.0 62.5 102.5
65 96.6 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 14.892 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

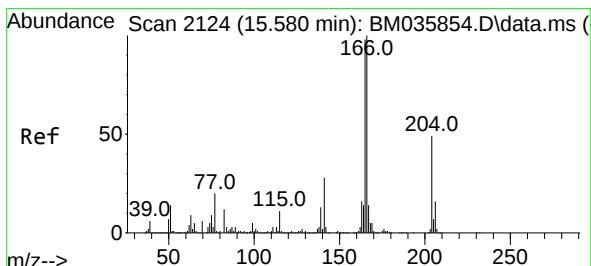
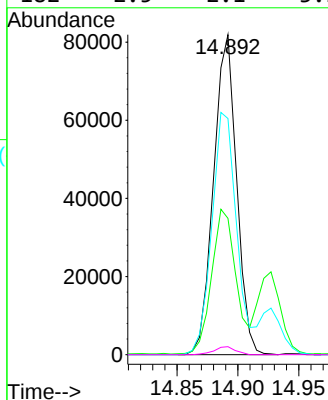
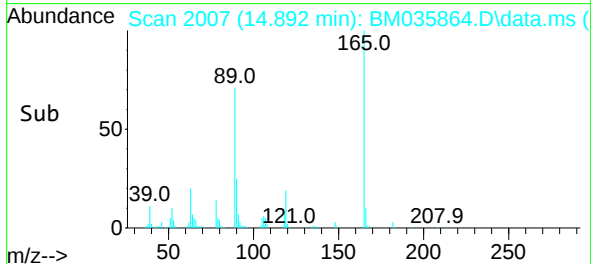
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:165 Resp: 107828
Ion Ratio Lower Upper
165 100
63 42.6 35.6 53.4
89 73.8 57.3 85.9
182 2.5 2.1 3.1

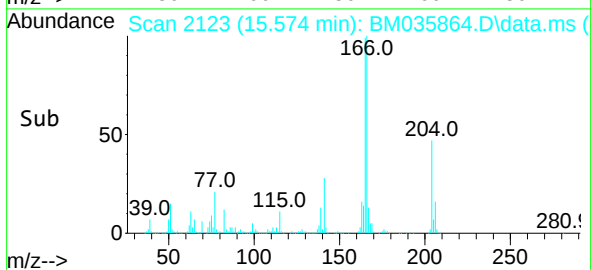
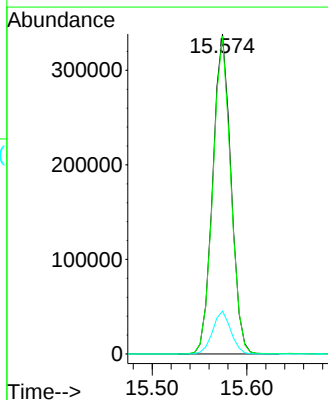
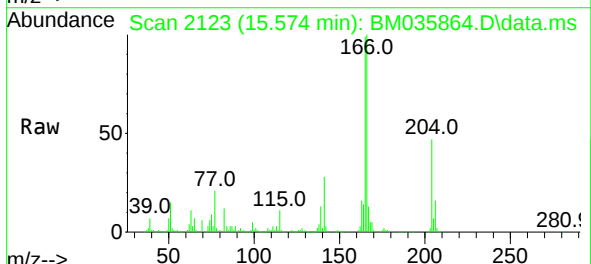
Manual Integrations
APPROVED

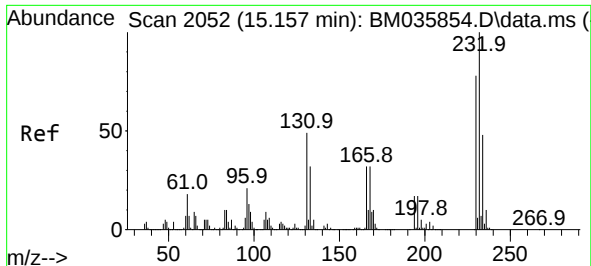
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#58
Fluorene
Concen: 7.283 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

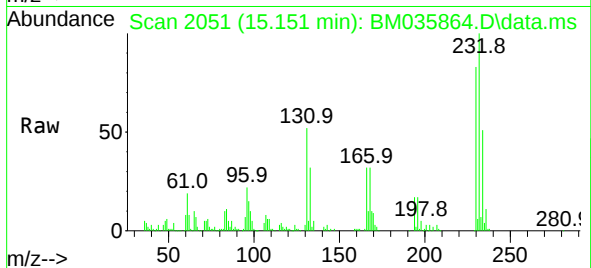
Tgt Ion:166 Resp: 450070
Ion Ratio Lower Upper
166 100
165 99.4 79.4 119.2
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.463 ng
RT: 15.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

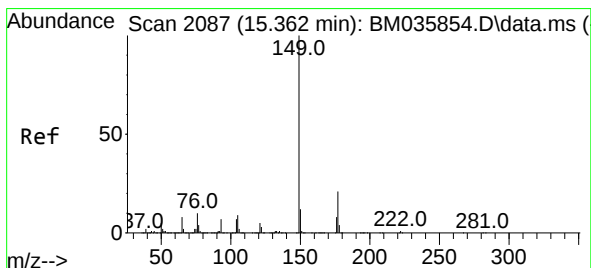
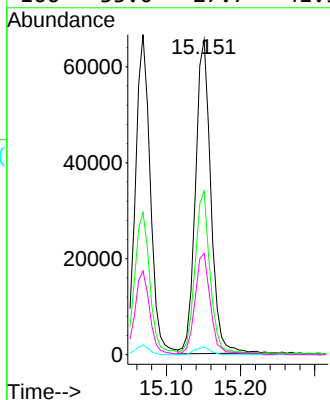
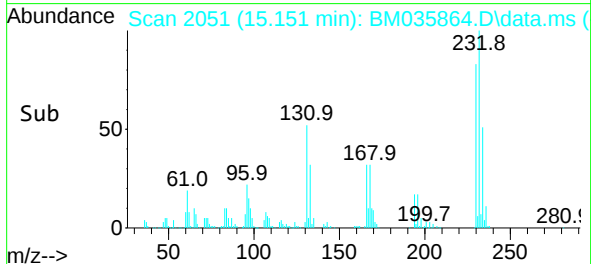
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



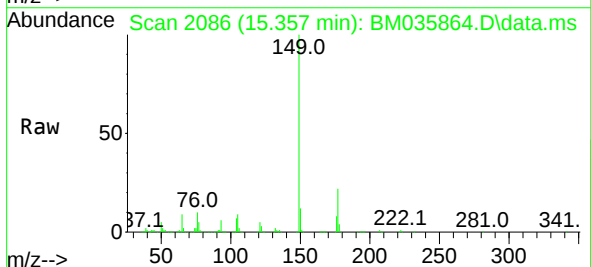
Tgt Ion:232 Resp: 94220
Ion Ratio Lower Upper
232 100
131 50.4 41.0 61.6
130 2.4 2.3 3.5
166 33.0 27.7 41.5

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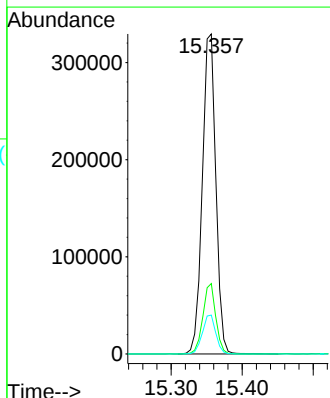
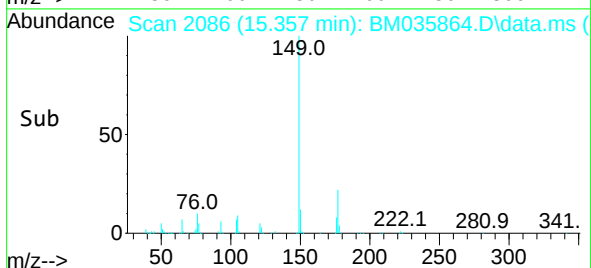
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

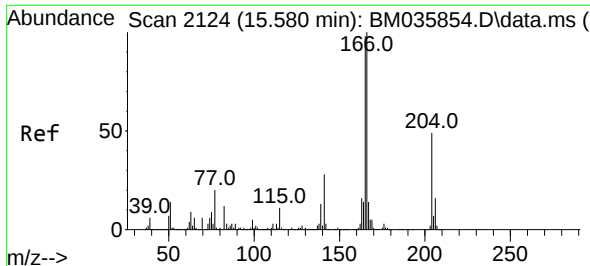


#60
Diethylphthalate
Concen: 7.343 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



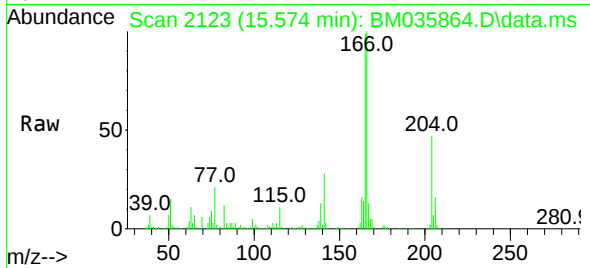
Tgt Ion:149 Resp: 436245
Ion Ratio Lower Upper
149 100
177 22.0 16.9 25.3
150 12.2 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 7.209 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

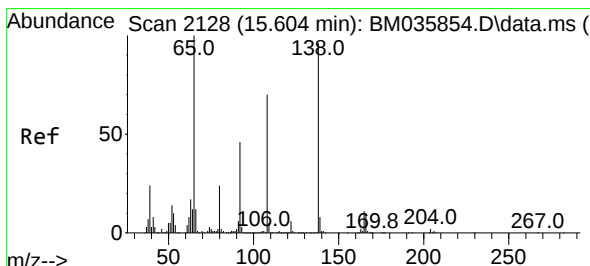
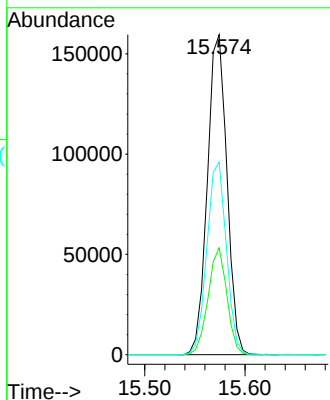
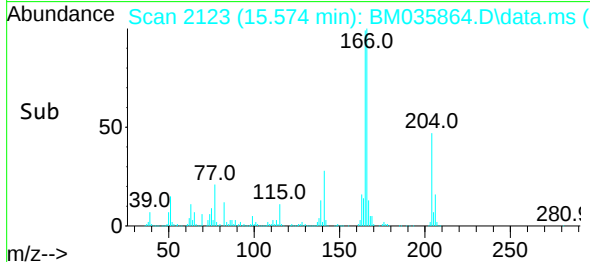
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:204 Resp: 21675
Ion Ratio Lower Upper
204 100
206 33.4 26.3 39.5
141 60.1 51.2 76.8

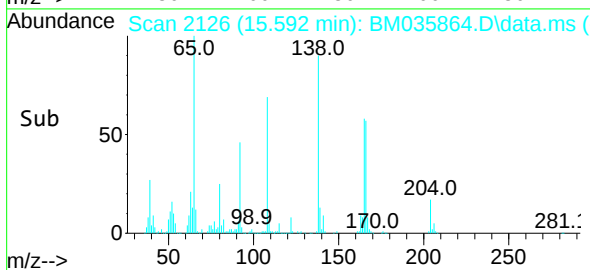
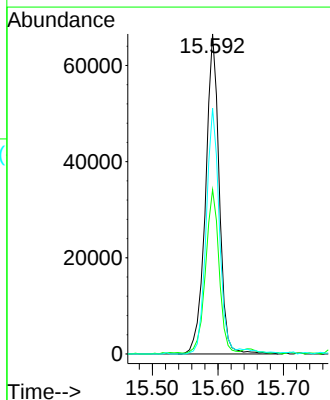
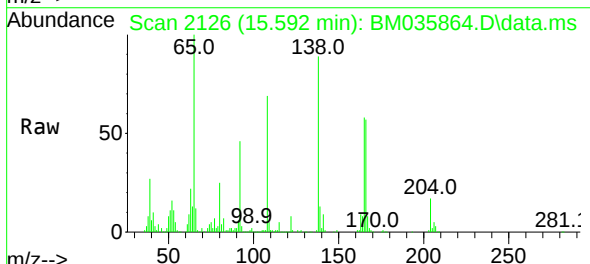
Manual Integrations
APPROVED

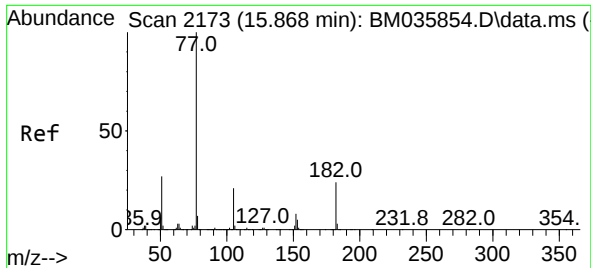
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#62
4-Nitroaniline
Concen: 6.269 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

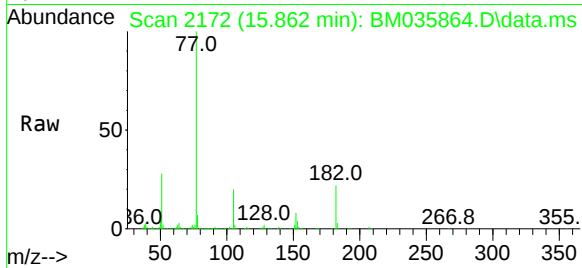
Tgt Ion:138 Resp: 96885
Ion Ratio Lower Upper
138 100
92 51.4 30.8 70.8
108 76.8 65.7 105.7





#63
Azobenzene
Concen: 7.123 ng
RT: 15.862 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

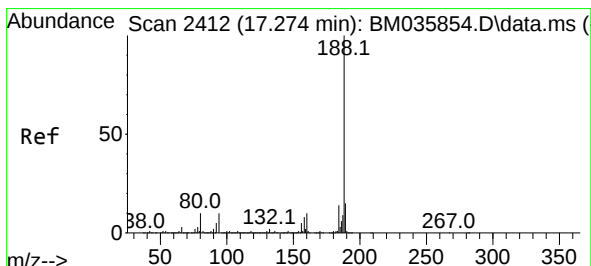
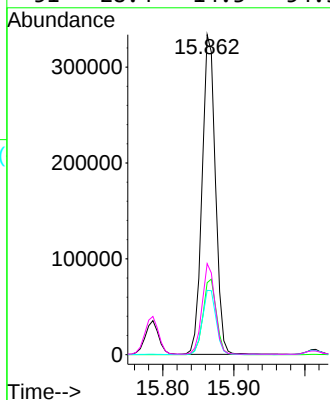
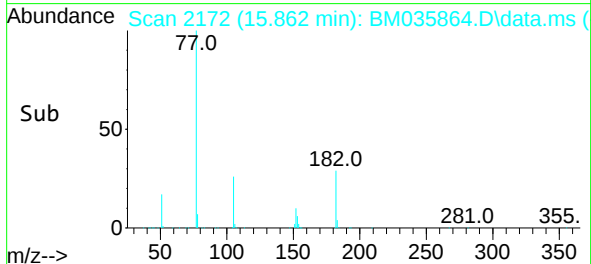
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 77 Resp: 434520
Ion Ratio Lower Upper
77 100
182 22.5 4.9 44.9
105 20.1 0.0 39.6
51 28.4 14.3 54.3

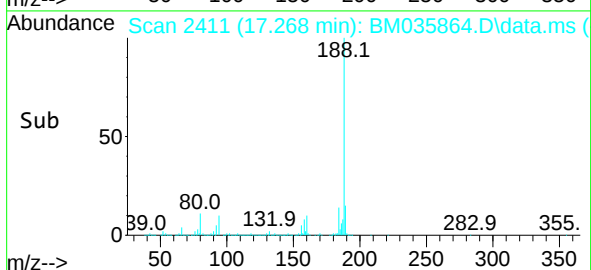
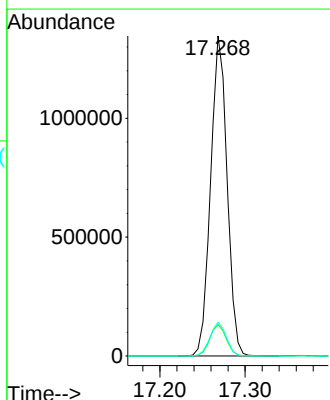
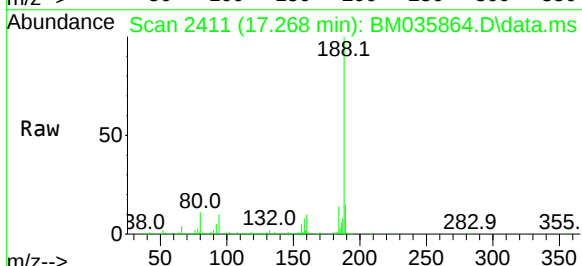
Manual Integrations
APPROVED

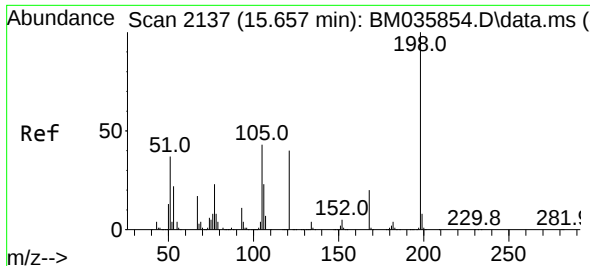
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

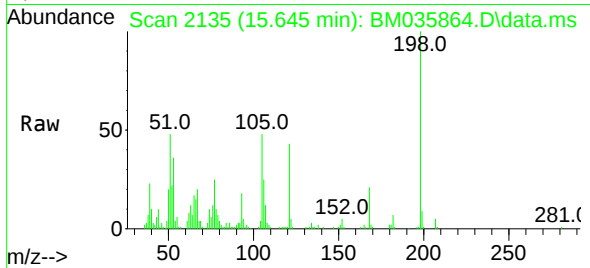
Tgt Ion:188 Resp: 1807358
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.4
80 10.5 7.6 11.4





#65
4,6-Dinitro-2-methylphenol
Concen: 4.570 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

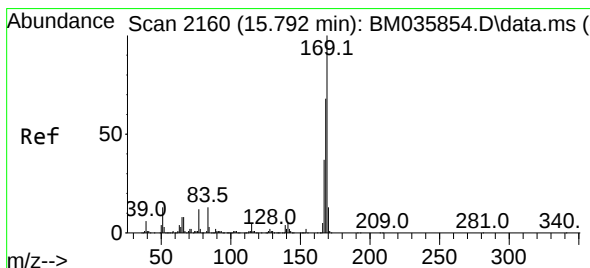
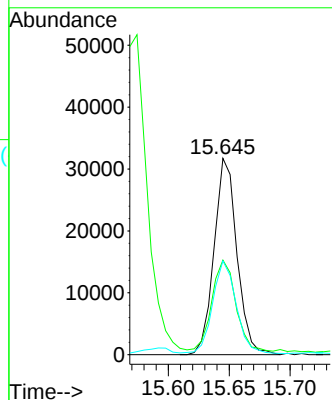
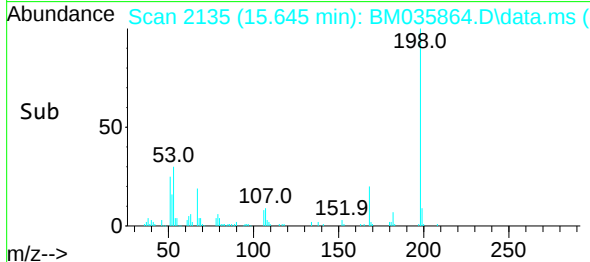
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



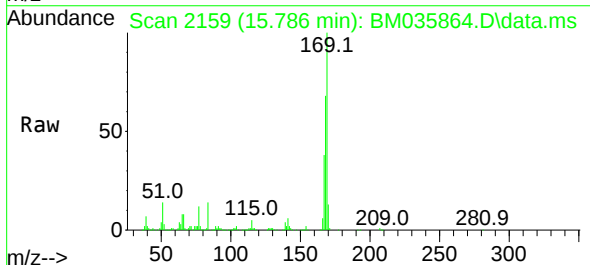
Tgt Ion:198 Resp: 41480
Ion Ratio Lower Upper
198 100
51 48.2 29.0 69.0
105 47.7 22.1 62.1

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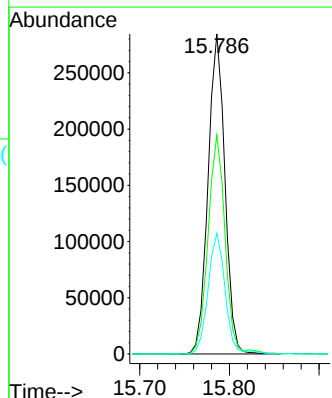
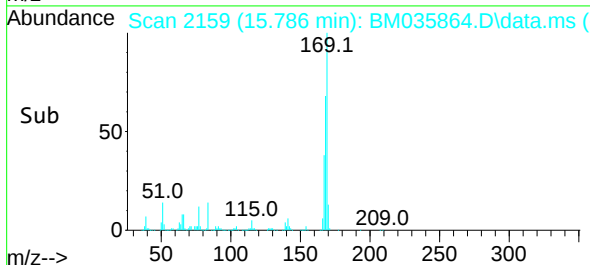
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

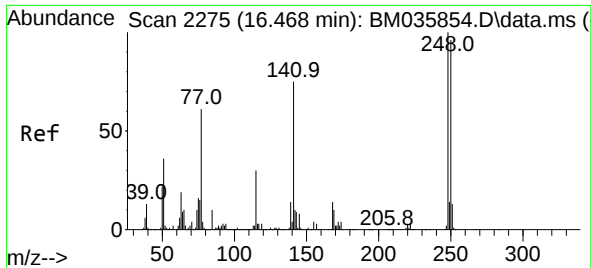


#66
n-Nitrosodiphenylamine
Concen: 6.993 ng
RT: 15.786 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



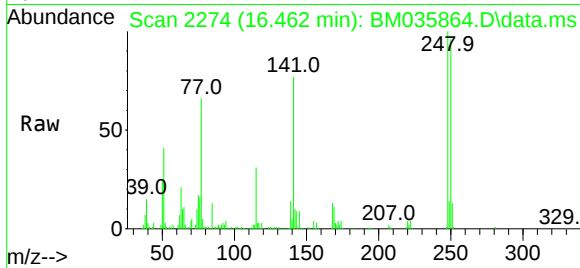
Tgt Ion:169 Resp: 371147
Ion Ratio Lower Upper
169 100
168 68.4 54.3 81.5
167 37.6 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 6.808 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

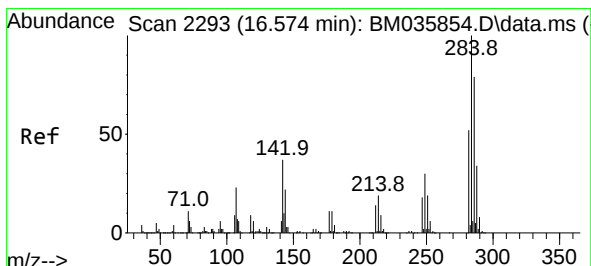
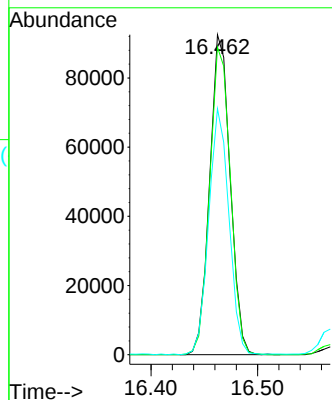
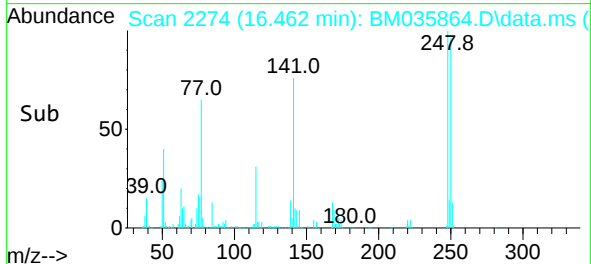
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:248 Resp: 12369
Ion Ratio Lower Upper
248 100
250 96.1 78.0 117.0
141 76.8 66.0 99.0

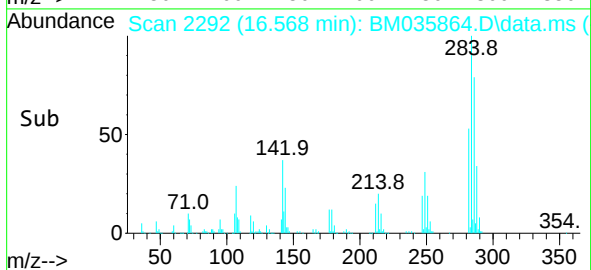
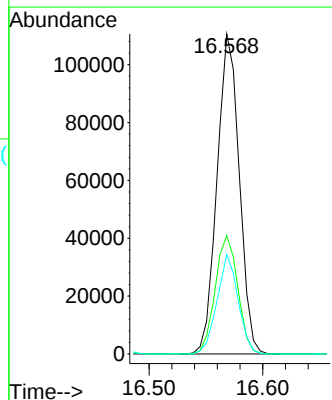
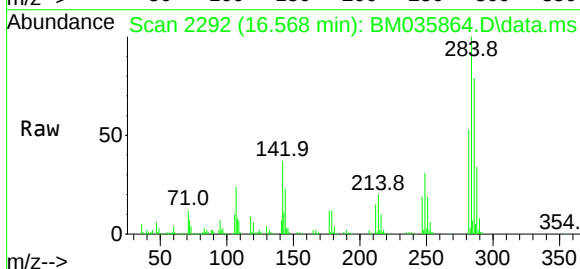
Manual Integrations
APPROVED

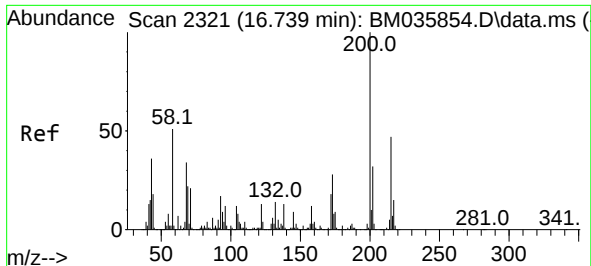
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#68
Hexachlorobenzene
Concen: 7.130 ng
RT: 16.568 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

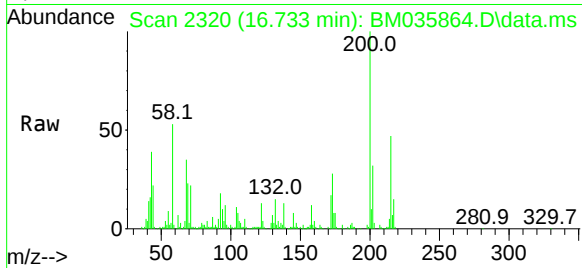
Tgt Ion:284 Resp: 150386
Ion Ratio Lower Upper
284 100
142 37.0 33.6 50.4
249 31.1 26.2 39.2





#69
 Atrazine
 Concen: 7.947 ng
 RT: 16.733 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035864.D
 Acq: 19 Jul 2022 13:35

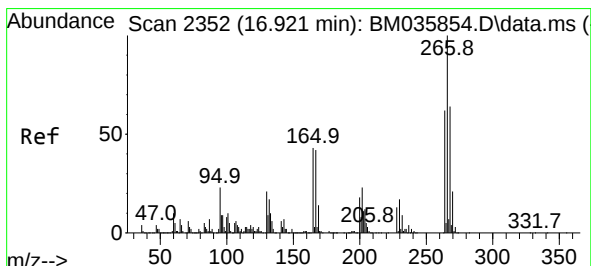
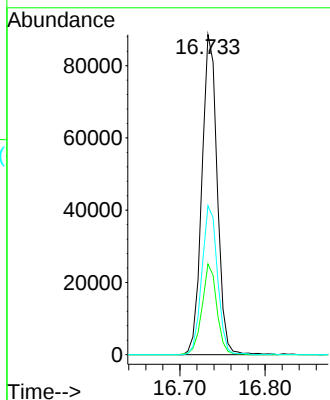
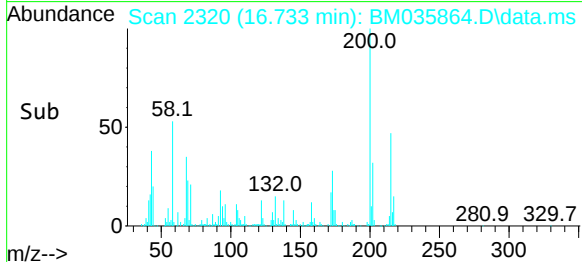
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



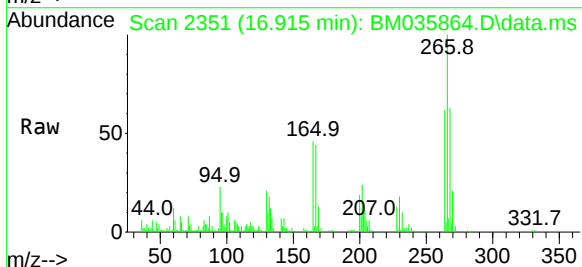
Tgt Ion:200 Resp: 110820
 Ion Ratio Lower Upper
 200 100
 173 28.4 6.6 46.6
 215 46.6 26.2 66.2

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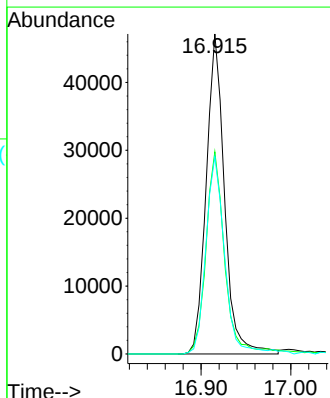
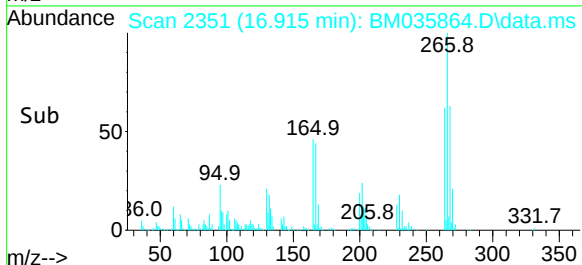
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

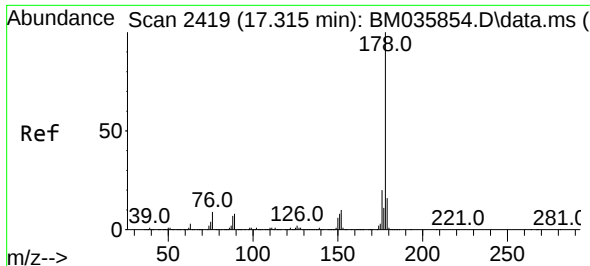


#70
 Pentachlorophenol
 Concen: 5.709 ng
 RT: 16.915 min Scan# 2351
 Delta R.T. -0.006 min
 Lab File: BM035864.D
 Acq: 19 Jul 2022 13:35



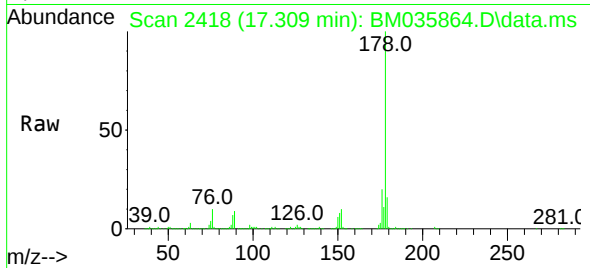
Tgt Ion:266 Resp: 66816
 Ion Ratio Lower Upper
 266 100
 268 63.2 51.9 77.9
 264 61.6 50.6 76.0





#71
Phenanthrene
Concen: 7.223 ng
RT: 17.309 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

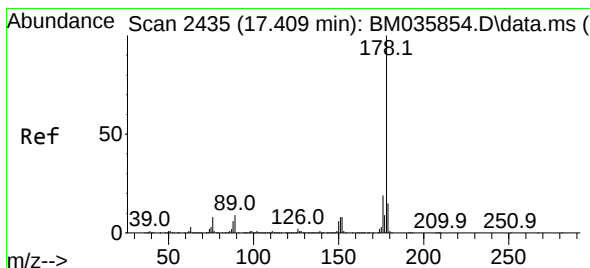
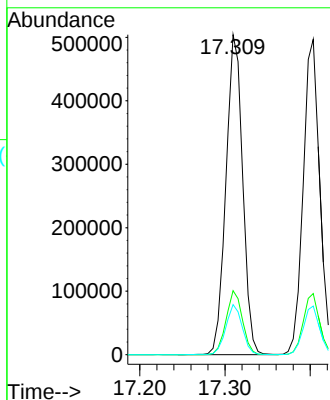
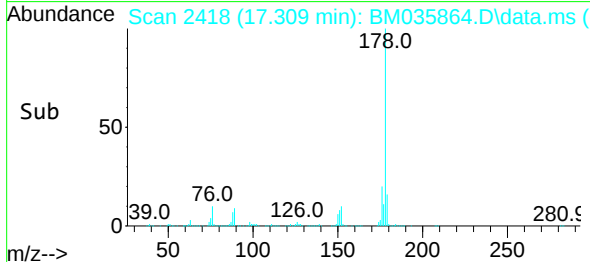
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



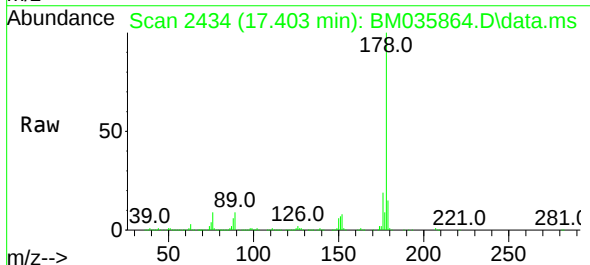
Tgt Ion:178 Resp: 686725
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.6 12.4 18.6

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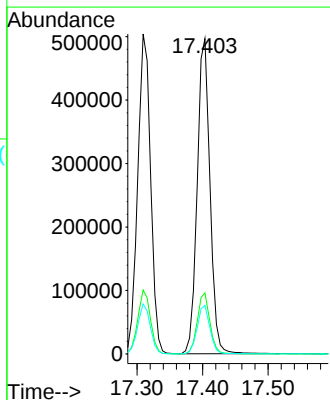
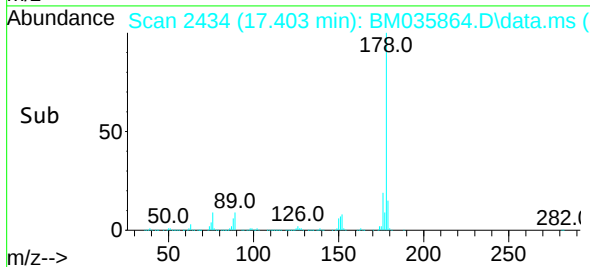
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

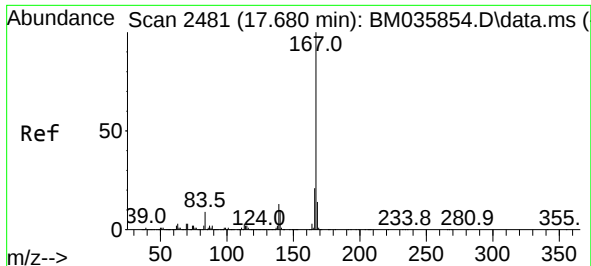


#72
Anthracene
Concen: 7.298 ng
RT: 17.403 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



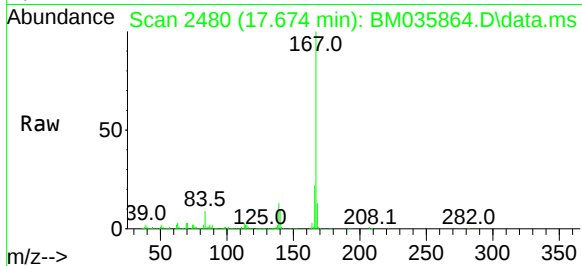
Tgt Ion:178 Resp: 674447
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.4
179 15.4 12.2 18.2





#73
Carbazole
Concen: 6.600 ng
RT: 17.674 min Scan# 2481
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

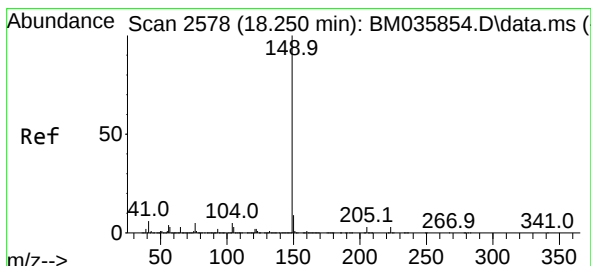
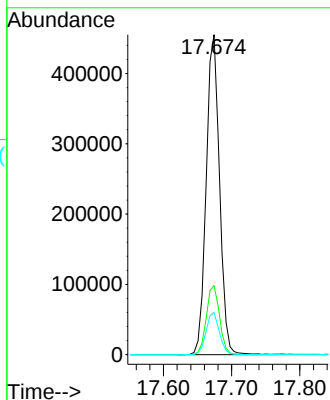
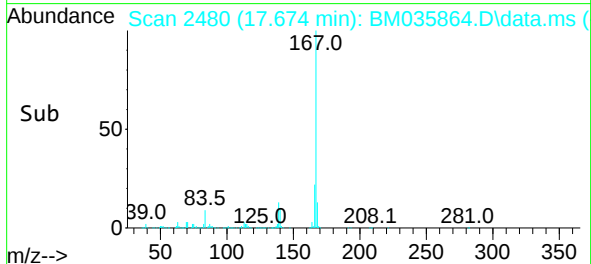
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



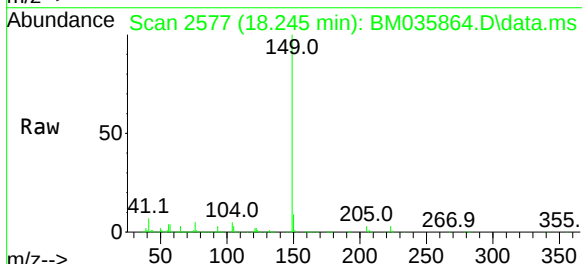
Tgt Ion:167 Resp: 618714
Ion Ratio Lower Upper
167 100
166 21.5 17.8 26.8
139 13.2 10.9 16.3

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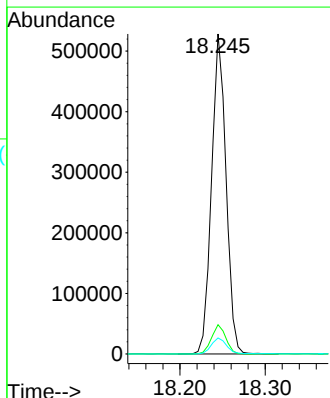
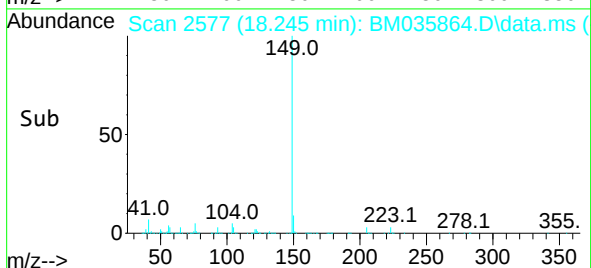
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

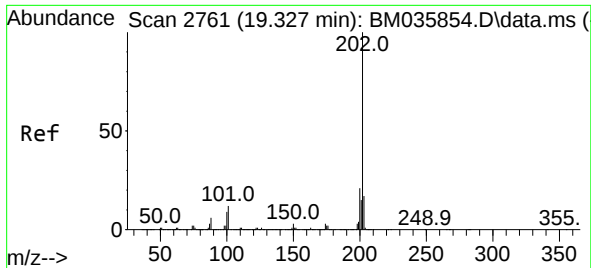


#74
Di-n-butylphthalate
Concen: 6.533 ng
RT: 18.245 min Scan# 2577
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



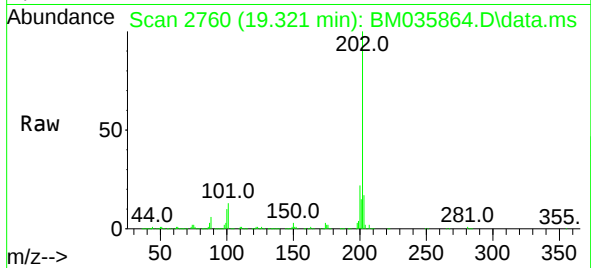
Tgt Ion:149 Resp: 623526
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 5.0 4.3 6.5





#75
Fluoranthene
Concen: 6.716 ng
RT: 19.321 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

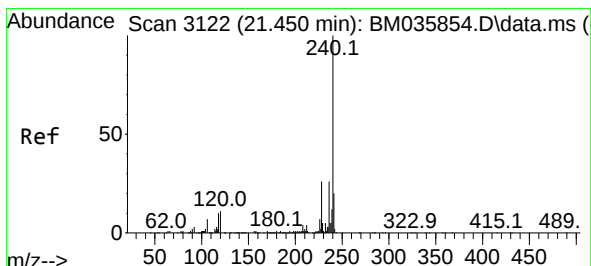
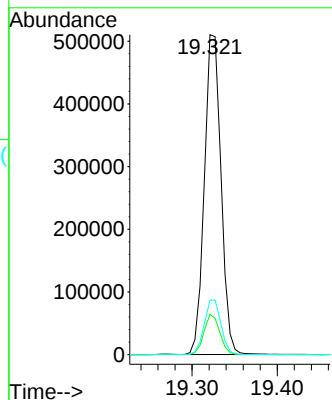
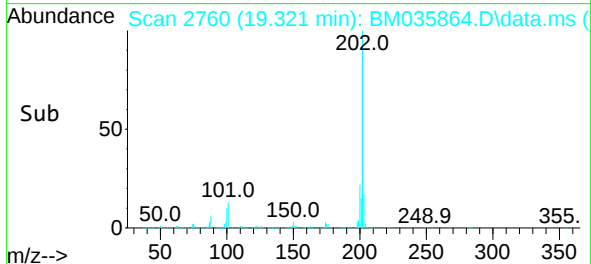
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



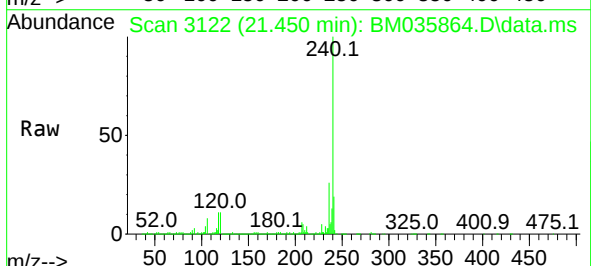
Tgt Ion:202 Resp: 69401
Ion Ratio Lower Upper
202 100
101 12.6 0.0 30.6
203 17.0 0.0 37.4

Manual Integrations
APPROVED

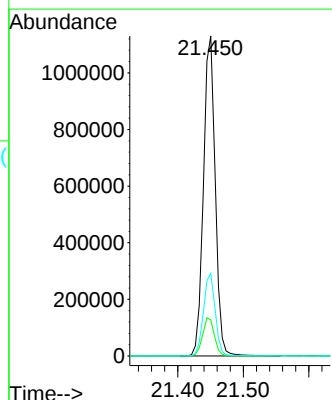
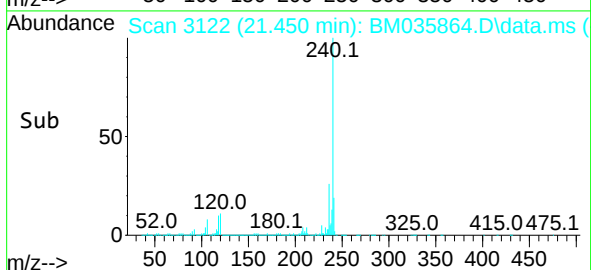
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

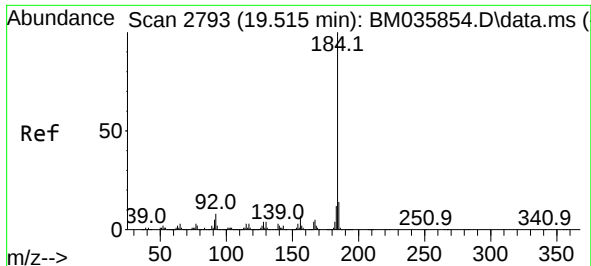


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3122
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



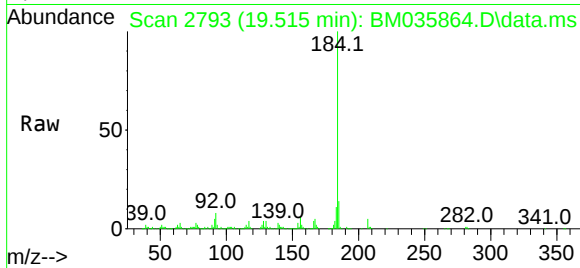
Tgt Ion:240 Resp: 1417219
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.0
236 25.8 20.6 30.8





#77
Benzidine
Concen: 11.646 ng
RT: 19.515 min Scan# 2793
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

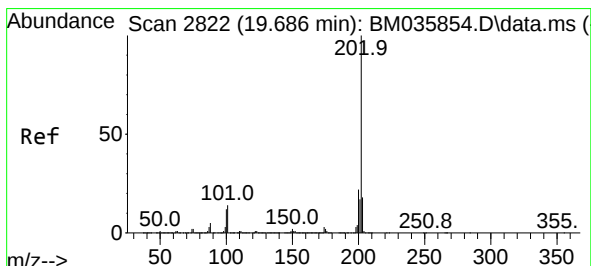
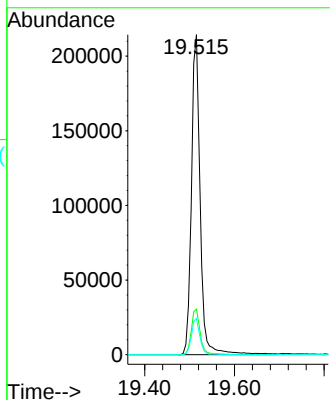
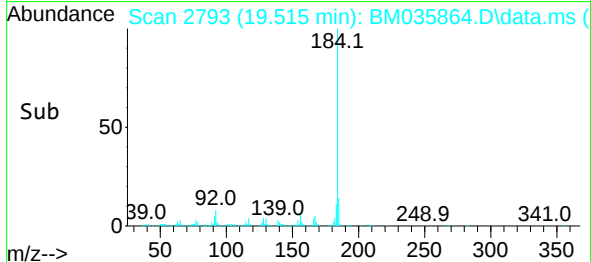
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



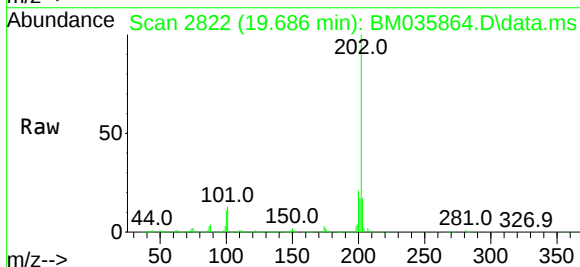
Tgt Ion:184 Resp: 289778
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 11.3 9.5 14.3

Manual Integrations
APPROVED

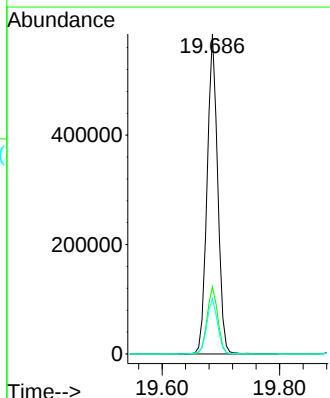
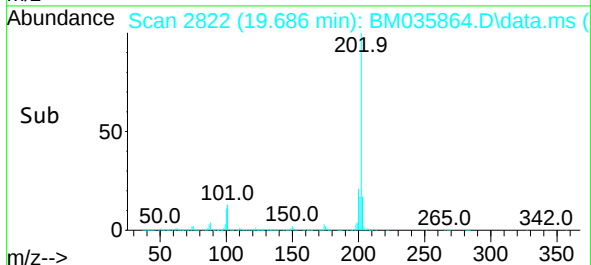
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

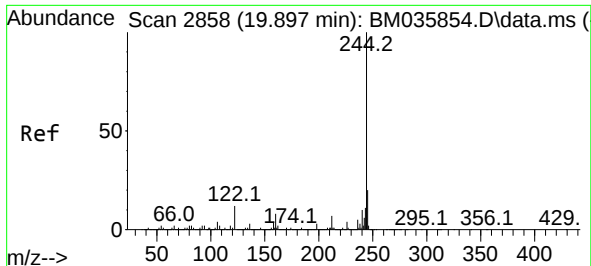


#78
Pyrene
Concen: 7.842 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



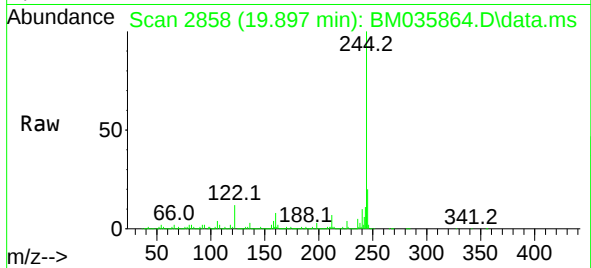
Tgt Ion:202 Resp: 726648
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.3 13.9 20.9





#79
 Terphenyl-d14
 Concen: 91.766 ng
 RT: 19.897 min Scan# 2858
 Delta R.T. 0.000 min
 Lab File: BM035864.D
 Acq: 19 Jul 2022 13:35

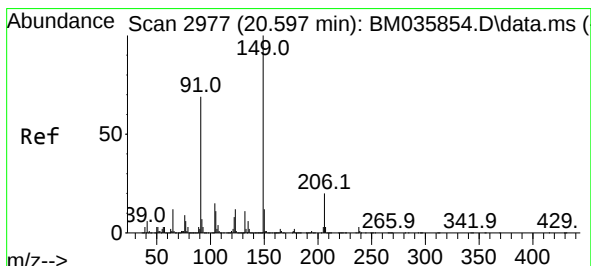
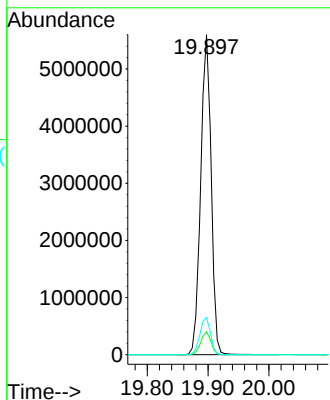
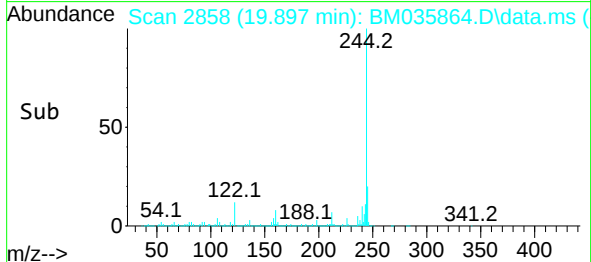
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



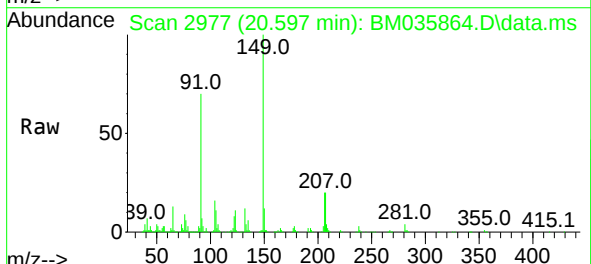
Tgt Ion:244 Resp: 668425
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 11.6 8.3 12.5

Manual Integrations
 APPROVED

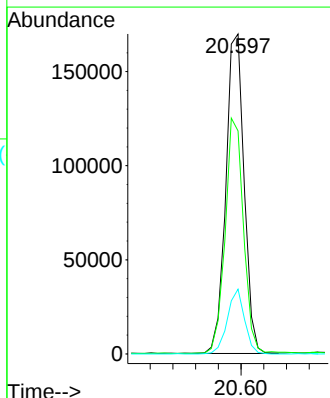
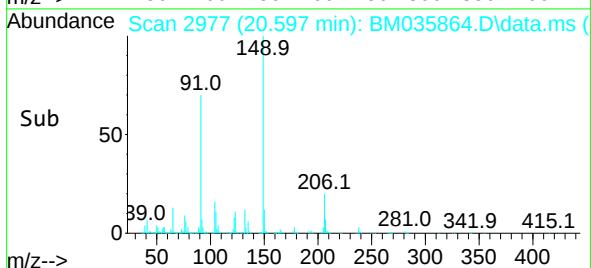
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

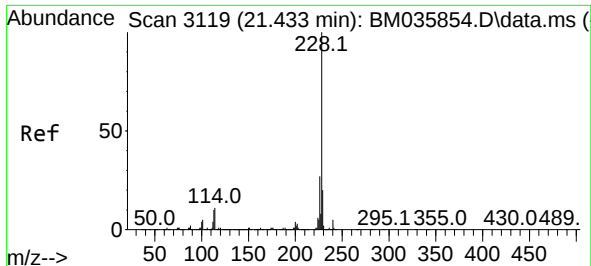


#80
 Butylbenzylphthalate
 Concen: 5.737 ng
 RT: 20.597 min Scan# 2977
 Delta R.T. 0.000 min
 Lab File: BM035864.D
 Acq: 19 Jul 2022 13:35



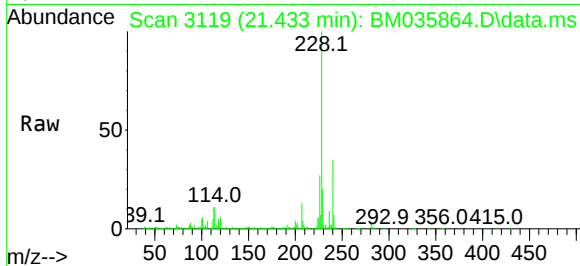
Tgt Ion:149 Resp: 189785
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.6 85.0
 206 20.3 15.4 23.0





#81
Benzo(a)anthracene
Concen: 7.105 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

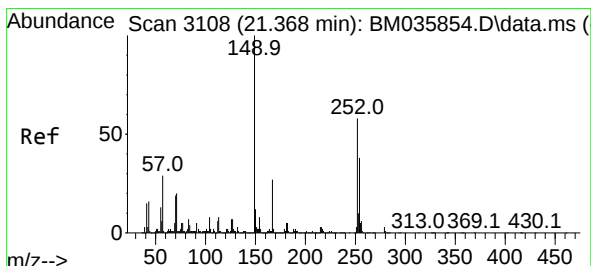
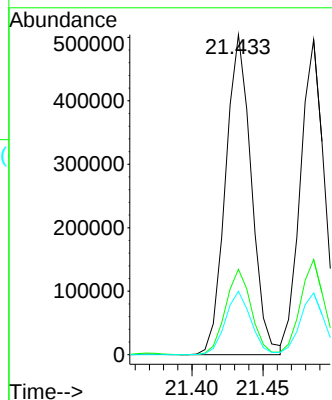
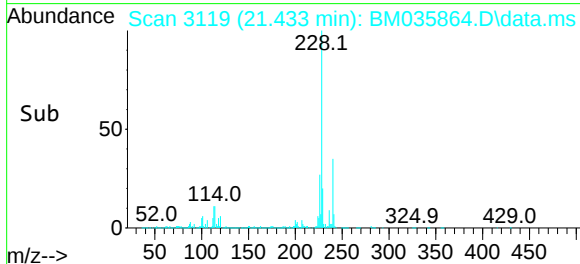
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



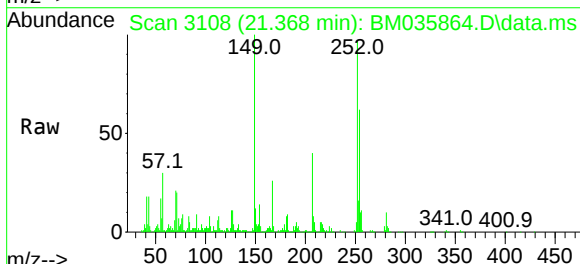
Tgt Ion:228 Resp: 637402
Ion Ratio Lower Upper
228 100
226 26.7 22.3 33.5
229 19.8 15.8 23.6

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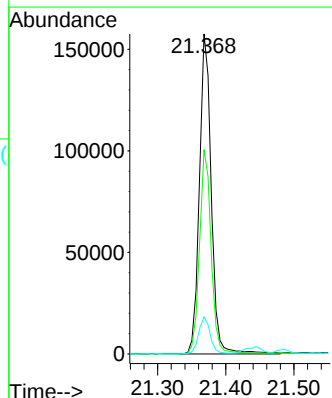
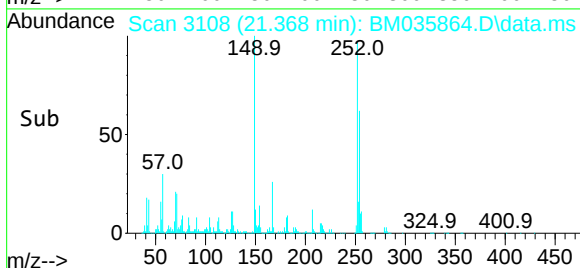
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

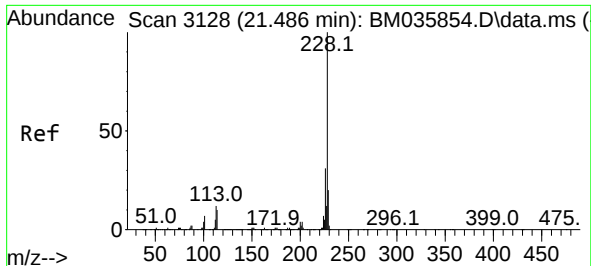


#82
3,3'-Dichlorobenzidine
Concen: 9.093 ng
RT: 21.368 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



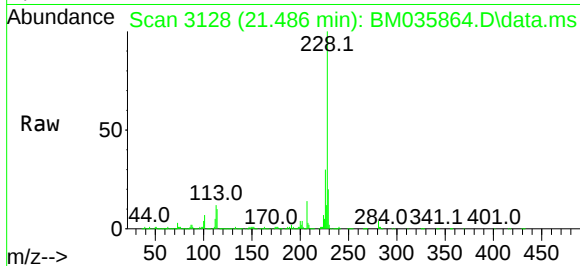
Tgt Ion:252 Resp: 191094
Ion Ratio Lower Upper
252 100
254 63.9 51.7 77.5
126 11.6 9.4 14.0





#83
Chrysene
Concen: 6.919 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

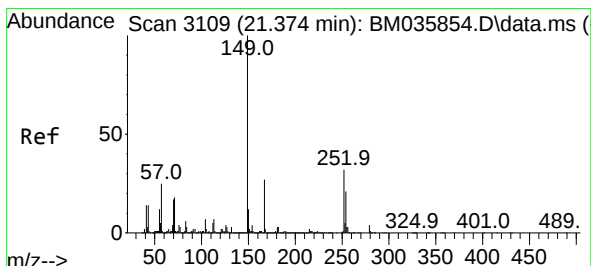
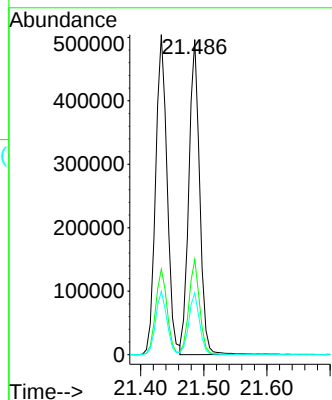
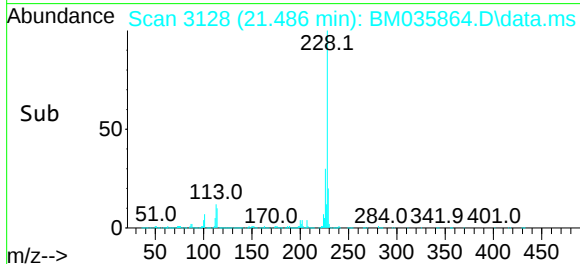
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



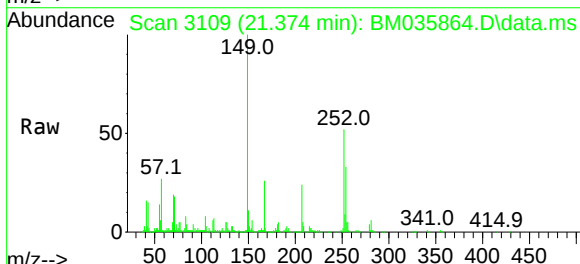
Tgt Ion:228 Resp: 592310
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 19.6 15.8 23.8

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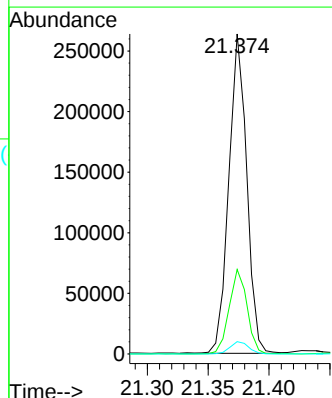
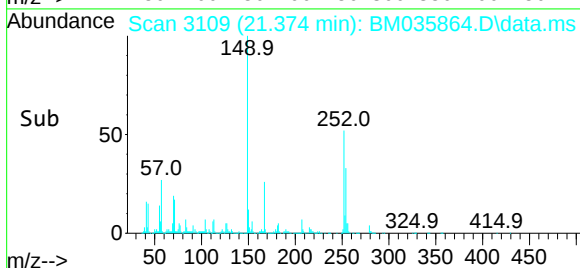
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

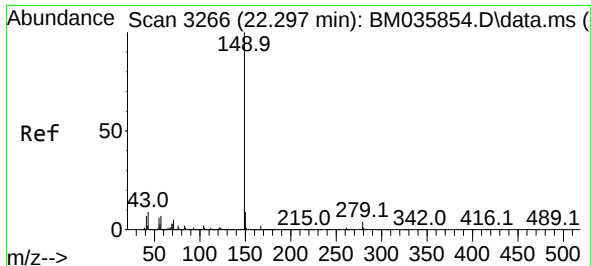


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.765 ng
RT: 21.374 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



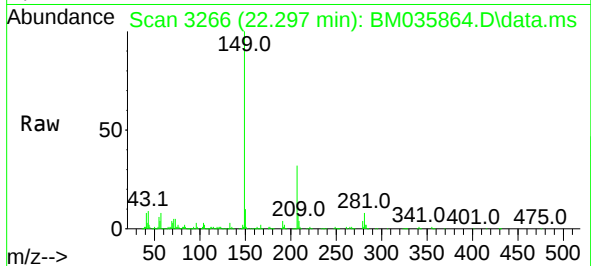
Tgt Ion:149 Resp: 268775
Ion Ratio Lower Upper
149 100
167 26.4 21.1 31.7
279 3.9 2.8 4.2





#85
Di-n-octyl phthalate
Concen: 5.142 ng
RT: 22.297 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

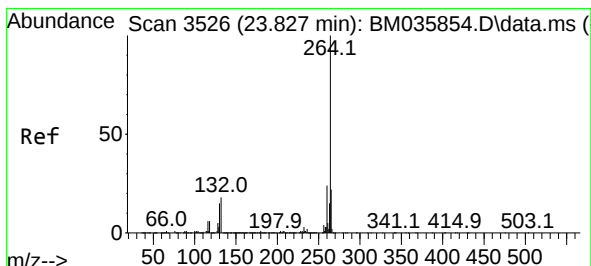
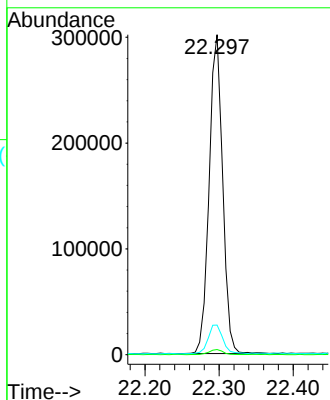
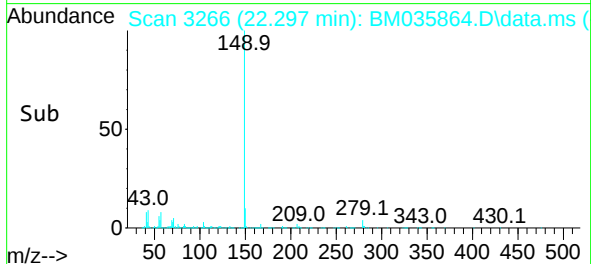
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



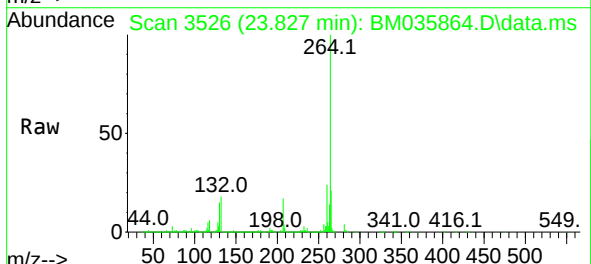
Tgt Ion:149 Resp: 38034
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.8 8.6 12.8

Manual Integrations
APPROVED

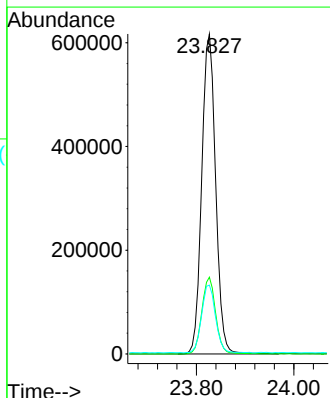
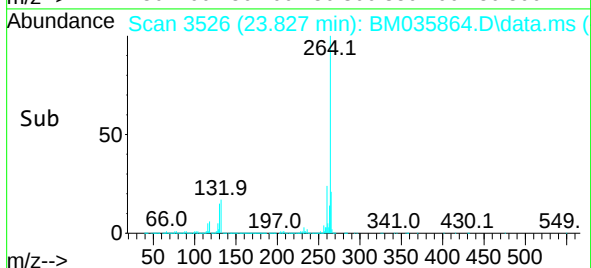
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

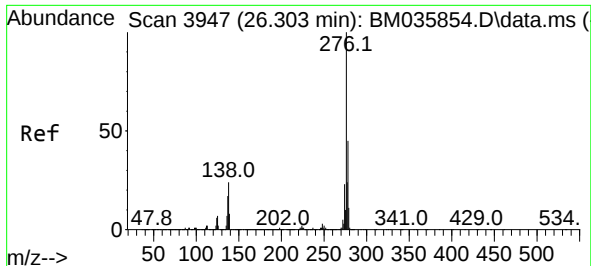


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.827 min Scan# 3526
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



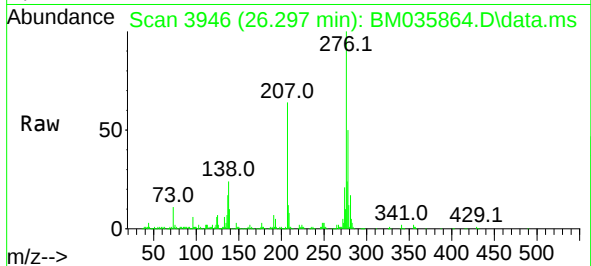
Tgt Ion:264 Resp: 1218708
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.030 ng
RT: 26.297 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

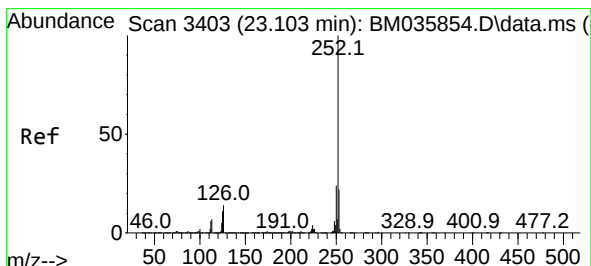
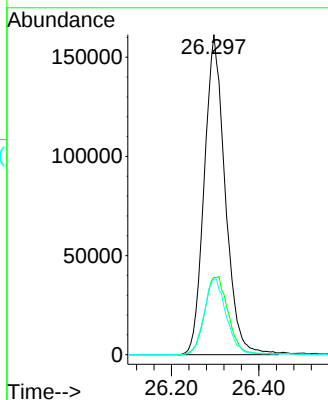
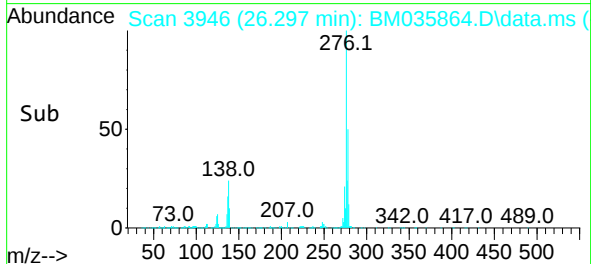
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:276 Resp: 53694
Ion Ratio Lower Upper
276 100
138 27.5 20.2 30.4
277 25.1 20.2 30.2

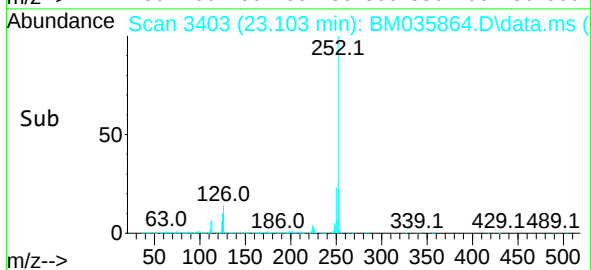
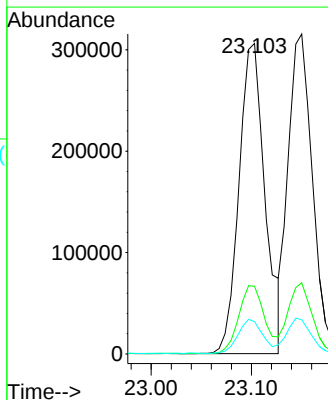
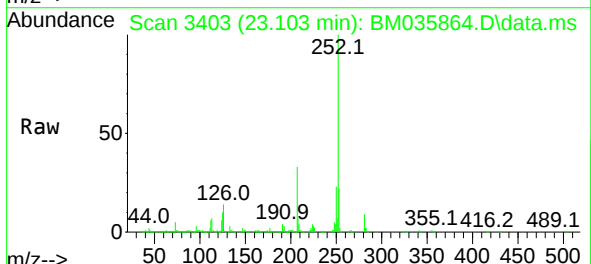
Manual Integrations
APPROVED

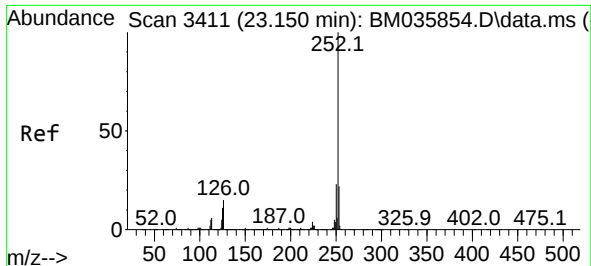
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#88
Benzo(b)fluoranthene
Concen: 7.614 ng
RT: 23.103 min Scan# 3403
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

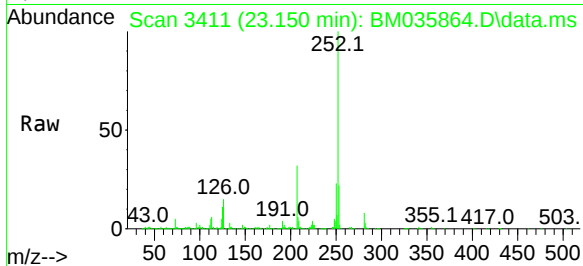
Tgt Ion:252 Resp: 552340
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 10.4 7.6 11.4





#89
Benzo(k)fluoranthene
Concen: 7.151 ng
RT: 23.150 min Scan# 3411
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

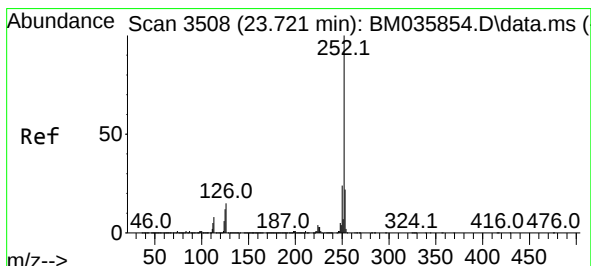
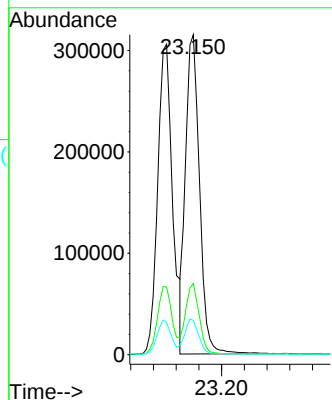
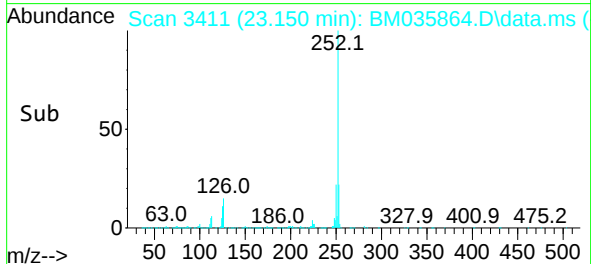
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



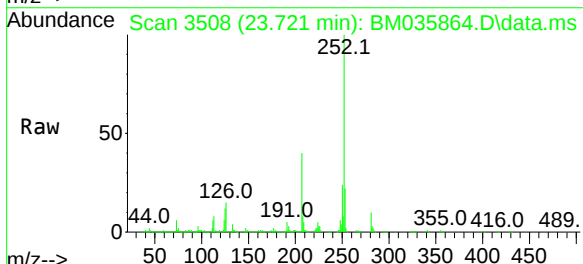
Tgt Ion:252 Resp: 53682
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.7 7.6 11.4

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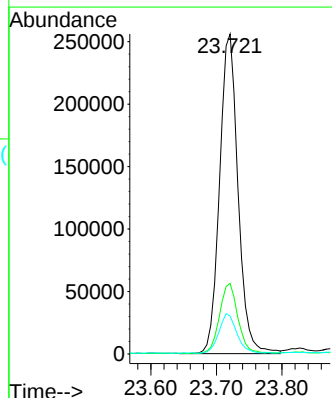
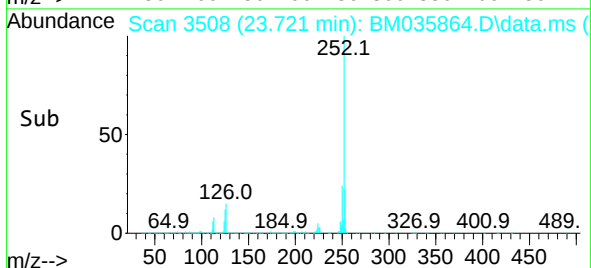
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

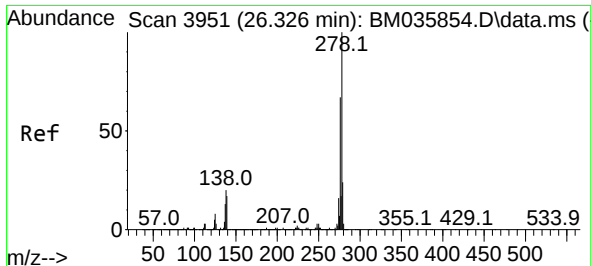


#90
Benzo(a)pyrene
Concen: 8.063 ng
RT: 23.721 min Scan# 3508
Delta R.T. 0.000 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



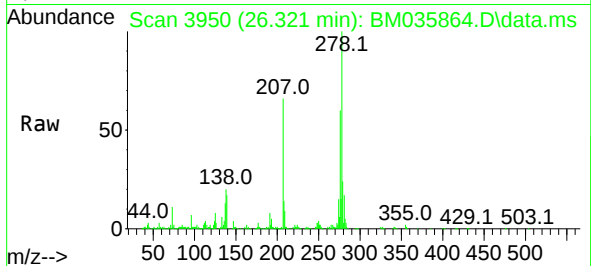
Tgt Ion:252 Resp: 497887
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 11.9 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 6.364 ng
RT: 26.321 min Scan# 3951
Delta R.T. -0.006 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35

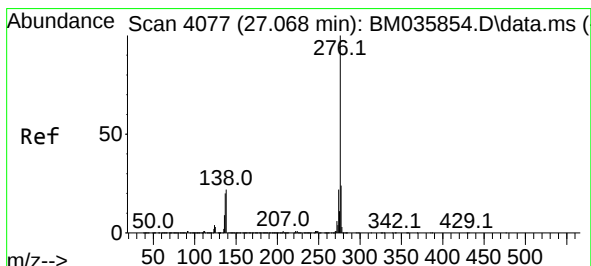
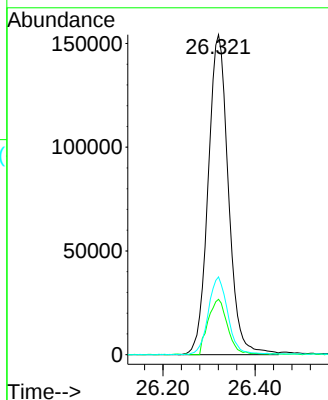
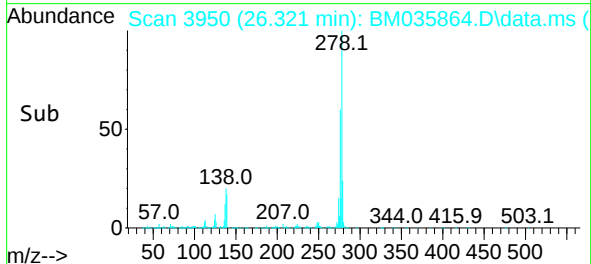
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



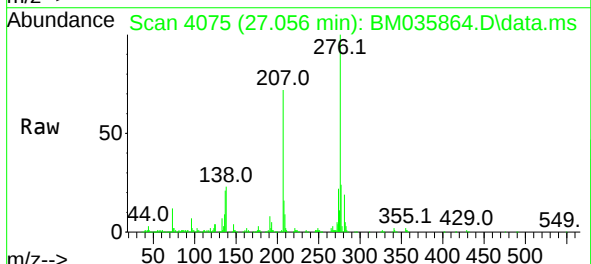
Tgt Ion: 278 Resp: 470900
Ion Ratio Lower Upper
278 100
139 17.3 12.9 19.3
279 24.3 18.7 28.1

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



#92
Benzo(g,h,i)perylene
Concen: 6.455 ng
RT: 27.056 min Scan# 4075
Delta R.T. -0.012 min
Lab File: BM035864.D
Acq: 19 Jul 2022 13:35



Tgt Ion: 276 Resp: 471027
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 23.3 17.6 26.4

