

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM-2022\BM-JUL-22\BM071922\
 Data File : BM035865.D
 Acq On : 19 Jul 2022 14:18
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jul 19 14:51:05 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	7.898	152	279906	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	1146317	20.000	ng	0.00
39) Acenaphthene-d10	14.533	164	661468	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	1249804	20.000	ng	0.00
76) Chrysene-d12	21.445	240	1052457	20.000	ng	0.00
86) Perylene-d12	23.821	264	1000414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1965289	108.850	ng	0.00
7) Phenol-d6	7.057	99	2464827	108.564	ng	0.00
23) Nitrobenzene-d5	9.063	82	1650920	77.027	ng	0.00
42) 2,4,6-Tribromophenol	16.015	330	821629	111.048	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	3630483	77.581	ng	0.00
79) Terphenyl-d14	19.898	244	4511442	83.402	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	37386	5.010	ng	95
3) Pyridine	3.728	79	95220	4.801	ng	89
4) n-Nitrosodimethylamine	3.640	42	42213	5.093	ng	# 66
6) Aniline	7.222	93	144226	5.785	ng	95
8) 2-Chlorophenol	7.457	128	95921	5.141	ng	97
9) Benzaldehyde	7.034	77	84353m	6.613	ng	
10) Phenol	7.087	94	118840	5.197	ng	89
11) bis(2-Chloroethyl)ether	7.322	93	95550	5.179	ng	98
12) 1,3-Dichlorobenzene	7.781	146	106243	5.105	ng	97
13) 1,4-Dichlorobenzene	7.934	146	110596	5.220	ng	98
14) 1,2-Dichlorobenzene	8.245	146	106376	5.191	ng	97
15) Benzyl Alcohol	8.140	79	72166	4.824	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.428	45	127322	5.301	ng	95
17) 2-Methylphenol	8.339	107	72280	4.869	ng	96
18) Hexachloroethane	8.981	117	38846	5.096	ng	93
19) n-Nitroso-di-n-propyla...	8.704	70	67705	5.144	ng	92
20) 3+4-Methylphenols	8.669	107	95982	4.784	ng	96
22) Acetophenone	8.722	105	143296	5.058	ng	# 93
24) Nitrobenzene	9.104	77	113156	5.621	ng	96
25) Isophorone	9.628	82	181929	5.426	ng	98
26) 2-Nitrophenol	9.816	139	36307	4.004	ng	97
27) 2,4-Dimethylphenol	9.875	122	80326	5.615	ng	97
28) bis(2-Chloroethoxy)met...	10.116	93	118452	5.076	ng	99
29) 2,4-Dichlorophenol	10.345	162	71888	4.533	ng	98
30) 1,2,4-Trichlorobenzene	10.563	180	91374	4.992	ng	96
31) Naphthalene	10.751	128	308702	5.300	ng	100
32) Benzoic acid	9.934	122	25437	2.351	ng	91
33) 4-Chloroaniline	10.863	127	119882	5.145	ng	96
34) Hexachlorobutadiene	11.039	225	51501	4.903	ng	98
35) Caprolactam	11.622	113	19576	4.036	ng	97
36) 4-Chloro-3-methylphenol	11.986	107	75893	4.667	ng	99
37) 2-Methylnaphthalene	12.363	142	196679	5.191	ng	98
38) 1-Methylnaphthalene	12.580	142	190831	5.174	ng	99
40) 1,2,4,5-Tetrachloroben...	12.727	216	92994	4.921	ng	98
41) Hexachlorocyclopentadiene	12.704	237	54643	5.365	ng	97
43) 2,4,6-Trichlorophenol	12.969	196	52785	4.226	ng	98

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 LOQ-SOIL-02-QT2-2022

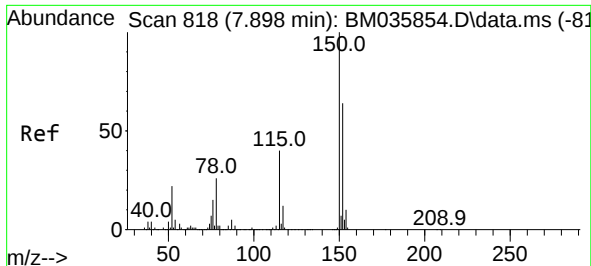
Quant Time: Jul 19 14:51:05 2022
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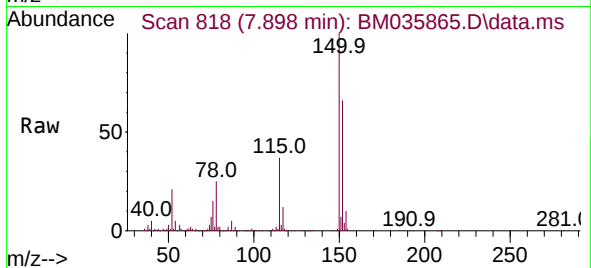
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.033	196	58036	4.406	ng	96
46) 1,1'-Biphenyl	13.369	154	264057	5.248	ng	98
47) 2-Chloronaphthalene	13.410	162	195770	5.062	ng	99
48) 2-Nitroaniline	13.616	65	43786	4.109	ng	99
49) Acenaphthylene	14.257	152	309543	5.198	ng	98
50) Dimethylphthalate	13.992	163	212333	4.877	ng	98
51) 2,6-Dinitrotoluene	14.110	165	40462	4.444	ng	95
52) Acenaphthene	14.592	154	181457	5.087	ng	98
53) 3-Nitroaniline	14.433	138	46740	4.264	ng	97
54) 2,4-Dinitrophenol	14.639	184	11982	2.671	ng	92
55) Dibenzofuran	14.927	168	293332	5.132	ng	96
56) 4-Nitrophenol	14.739	139	32757	3.809	ng	89
57) 2,4-Dinitrotoluene	14.892	165	47722	4.005	ng	97
58) Fluorene	15.574	166	220192	4.907	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.151	232	44264	4.181	ng	97
60) Diethylphthalate	15.351	149	206489	4.786	ng	98
61) 4-Chlorophenyl-phenyle...	15.574	204	109129	4.998	ng	96
62) 4-Nitroaniline	15.592	138	42643	3.799	ng	93
63) Azobenzene	15.868	77	204426	4.615	ng	94
65) 4,6-Dinitro-2-methylph...	15.645	198	17588	2.802	ng	86
66) n-Nitrosodiphenylamine	15.786	169	180381	4.915	ng	98
67) 4-Bromophenyl-phenylether	16.468	248	60947	4.851	ng	94
68) Hexachlorobenzene	16.568	284	73773	5.058	ng	96
69) Atrazine	16.733	200	51374	5.327	ng	98
70) Pentachlorophenol	16.915	266	29678	3.667	ng	96
71) Phenanthrene	17.309	178	340662	5.181	ng	99
72) Anthracene	17.404	178	321862	5.036	ng	99
73) Carbazole	17.674	167	296957	4.581	ng	98
74) Di-n-butylphthalate	18.245	149	275640	4.176	ng	100
75) Fluoranthene	19.327	202	336247	4.705	ng	98
77) Benzidine	19.515	184	125144	6.773	ng	99
78) Pyrene	19.686	202	351040	5.101	ng	99
80) Butylbenzylphthalate	20.592	149	89866	3.658	ng	96
81) Benzo(a)anthracene	21.433	228	328364	4.929	ng	98
82) 3,3'-Dichlorobenzidine	21.368	252	96977	6.214	ng	98
83) Chrysene	21.480	228	317611	4.996	ng	98
84) Bis(2-ethylhexyl)phtha...	21.374	149	129384	3.737	ng	99
85) Di-n-octyl phthalate	22.292	149	191806	3.492	ng	99
87) Indeno(1,2,3-cd)pyrene	26.285	276	324607	4.441	ng	98
88) Benzo(b)fluoranthene	23.097	252	308551	5.181	ng	99
89) Benzo(k)fluoranthene	23.144	252	307691	4.993	ng	99
90) Benzo(a)pyrene	23.715	252	284573	5.614	ng	96
91) Dibenzo(a,h)anthracene	26.315	278	290053	4.775	ng	97
92) Benzo(g,h,i)perylene	27.050	276	288671	4.819	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

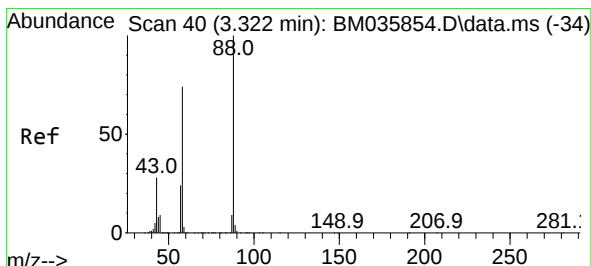
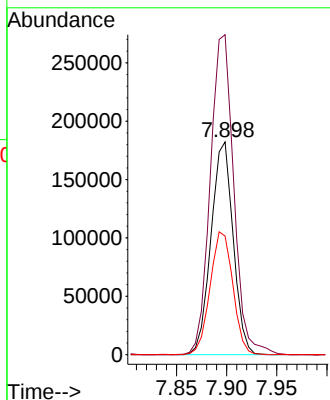
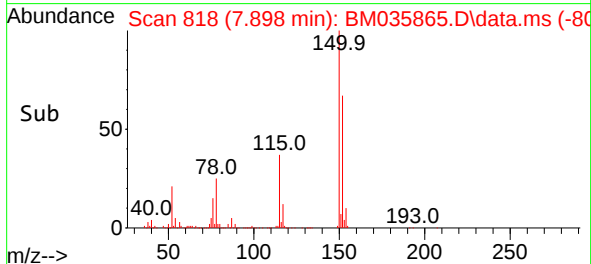
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:152 Resp: 279906
Ion Ratio Lower Upper
152 100
150 150.4 124.9 187.3
115 55.7 47.9 71.9

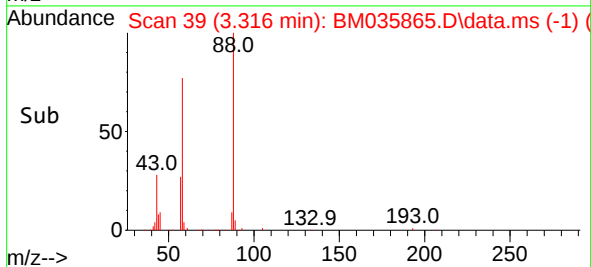
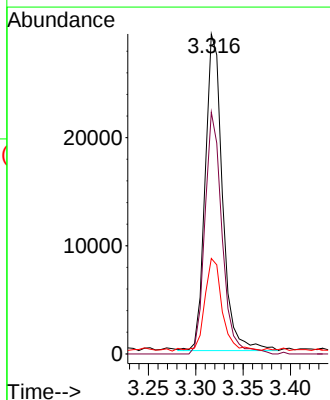
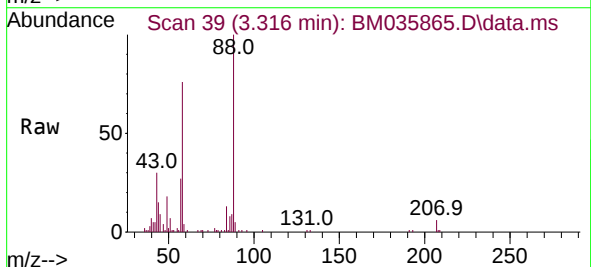
Manual Integrations
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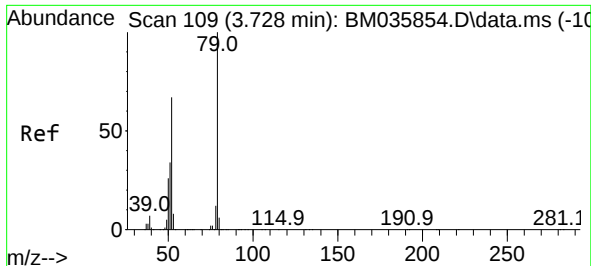
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#2
1,4-Dioxane
Concen: 5.010 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

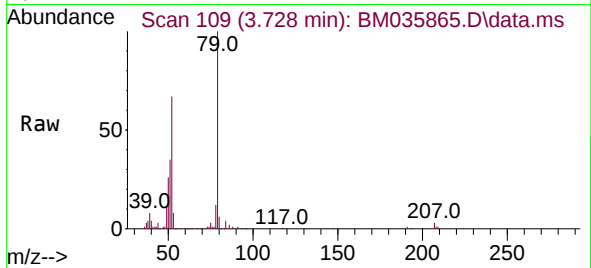
Tgt Ion: 88 Resp: 37386
Ion Ratio Lower Upper
88 100
58 75.4 62.3 93.5
43 29.7 28.7 43.1





#3
Pyridine
Concen: 4.801 ng
RT: 3.728 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

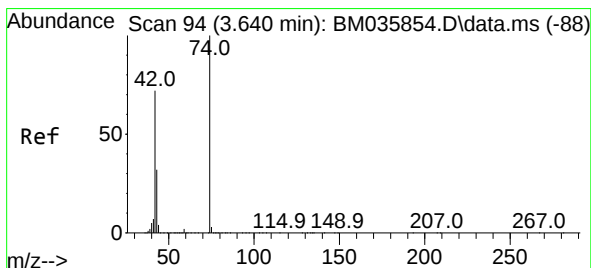
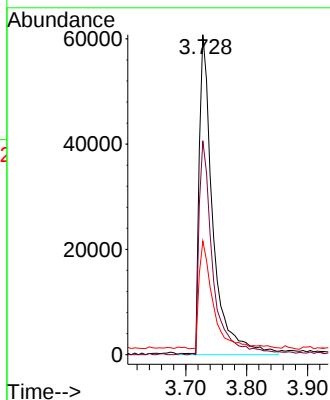
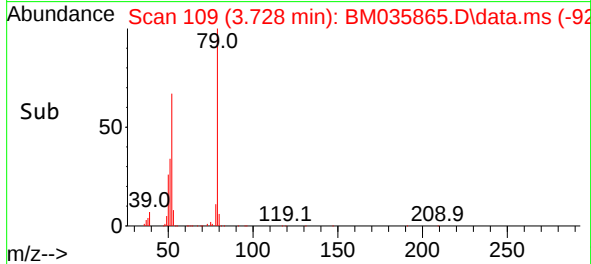
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 79 Resp: 95220
Ion Ratio Lower Upper
79 100
52 66.8 61.9 92.9
51 35.5 33.5 50.3

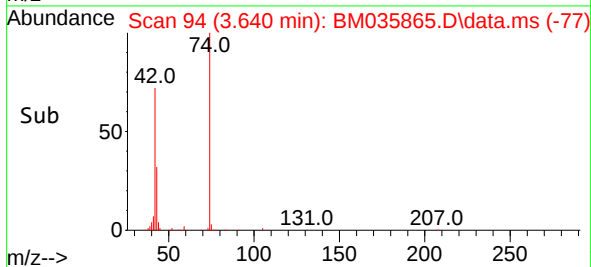
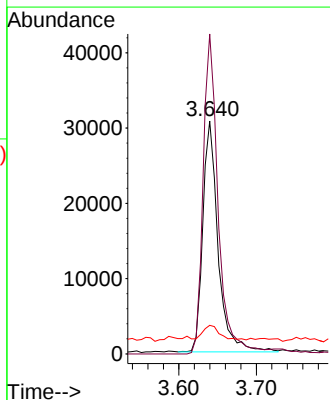
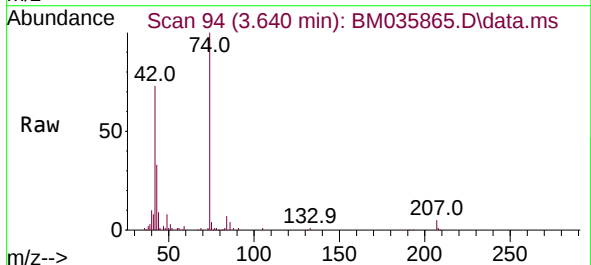
Manual Integrations
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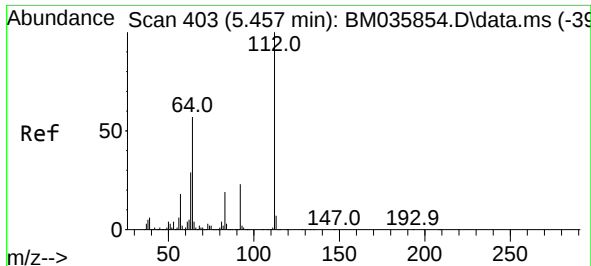
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#4
n-Nitrosodimethylamine
Concen: 5.093 ng
RT: 3.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

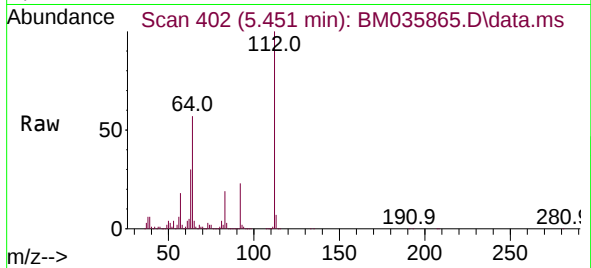
Tgt Ion: 42 Resp: 42213
Ion Ratio Lower Upper
42 100
74 137.4 81.6 122.4#
44 12.3 5.2 7.8#





#5
2-Fluorophenol
Concen: 108.850 ng
RT: 5.451 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

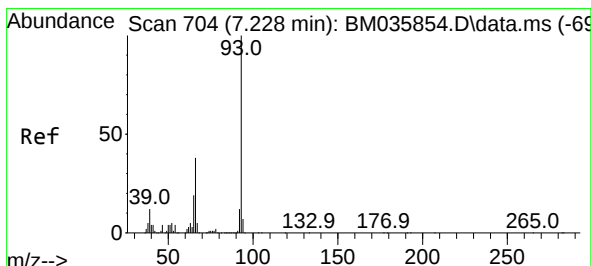
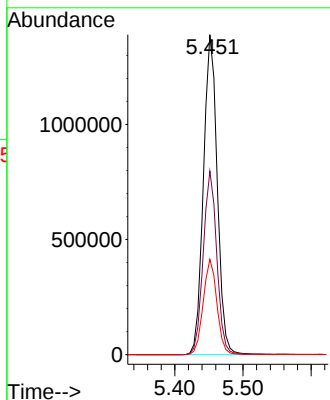
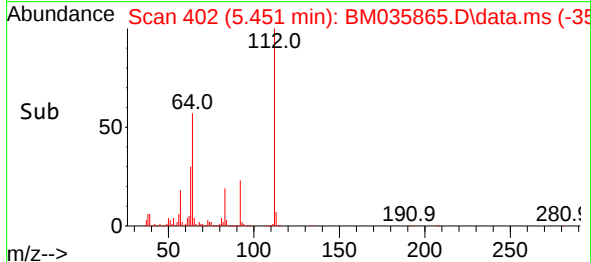
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:112 Resp: 1965289
Ion Ratio Lower Upper
112 100
64 57.3 47.8 71.6
63 29.8 26.6 40.0

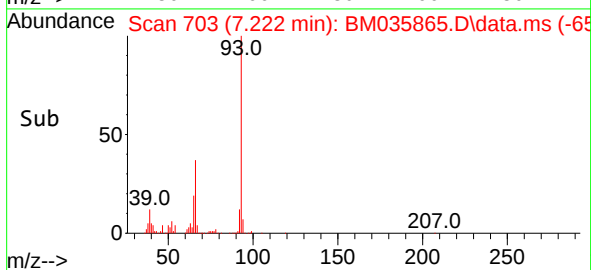
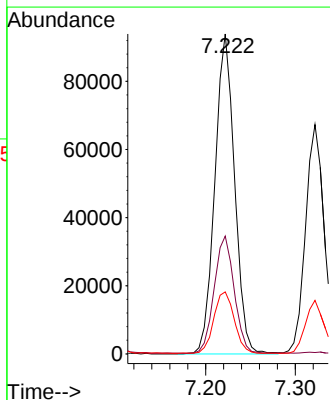
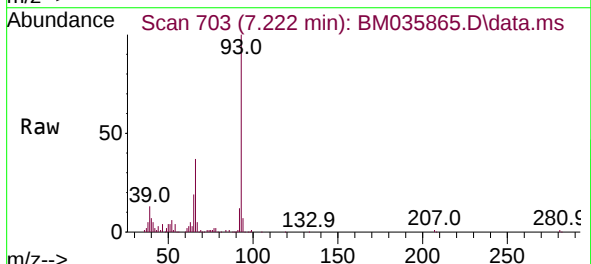
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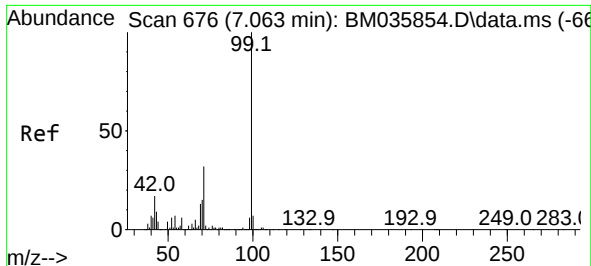
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#6
Aniline
Concen: 5.785 ng
RT: 7.222 min Scan# 703
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

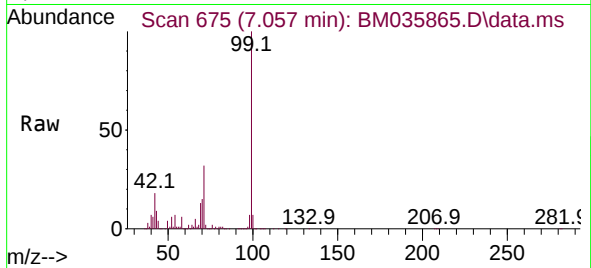
Tgt Ion: 93 Resp: 144226
Ion Ratio Lower Upper
93 100
66 36.8 32.6 49.0
65 19.4 16.8 25.2





#7
Phenol-d6
Concen: 108.564 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

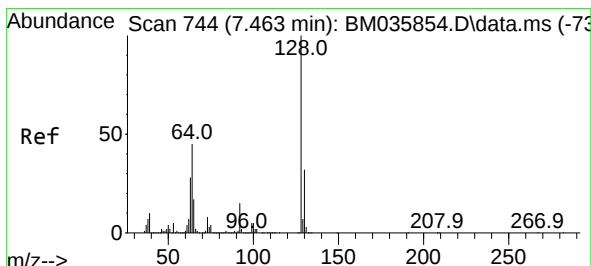
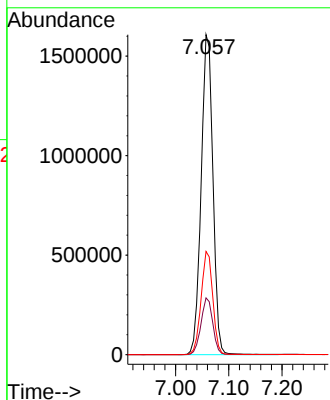
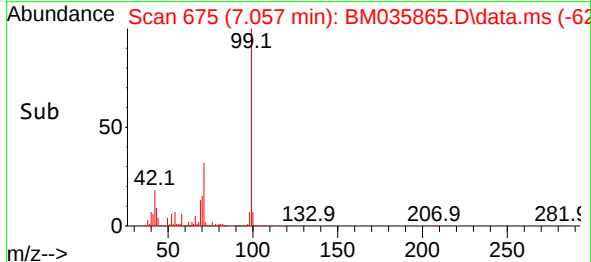
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 99 Resp: 246482
Ion Ratio Lower Upper
99 100
42 17.7 18.8 28.2
71 32.2 30.2 45.2

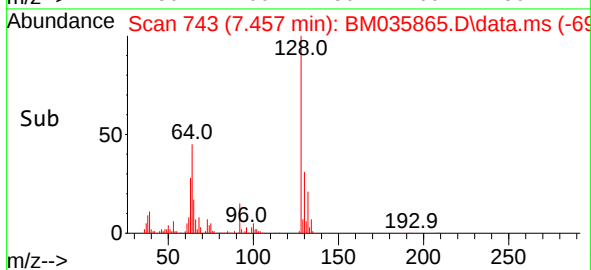
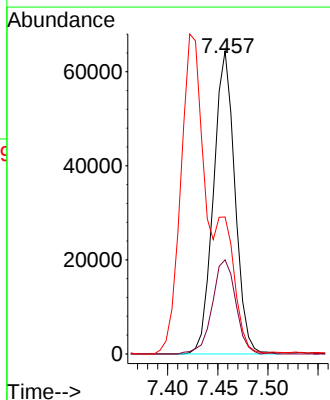
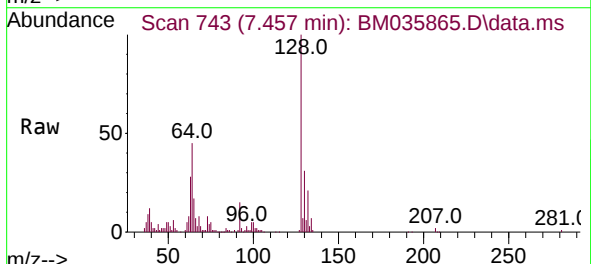
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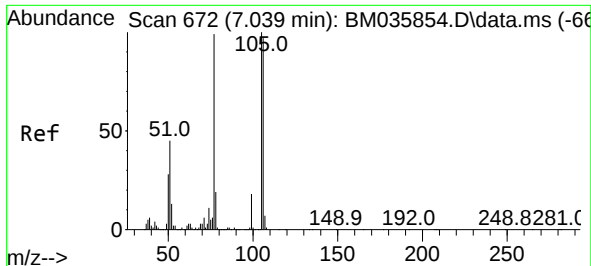
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#8
2-Chlorophenol
Concen: 5.141 ng
RT: 7.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

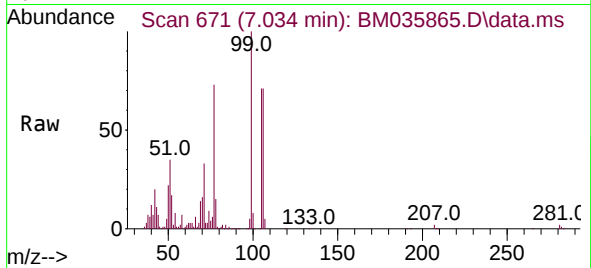
Tgt Ion:128 Resp: 95921
Ion Ratio Lower Upper
128 100
130 31.0 10.9 50.9
64 45.2 28.2 68.2





#9
Benzaldehyde
Concen: 6.613 ng m
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

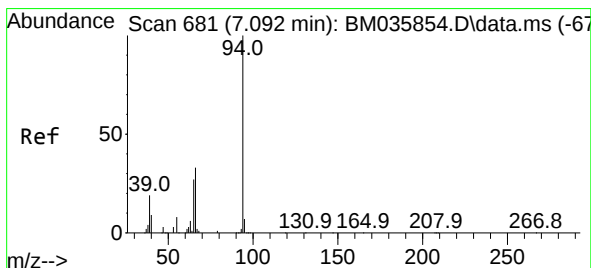
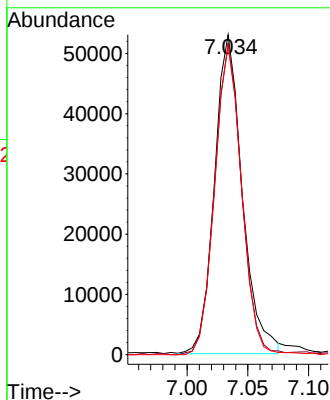
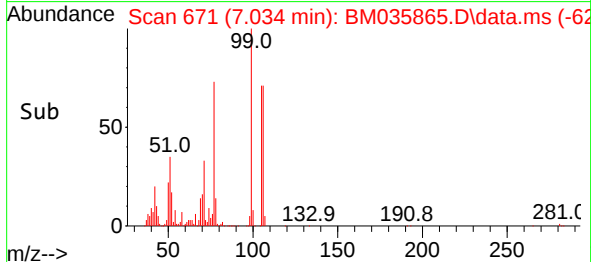
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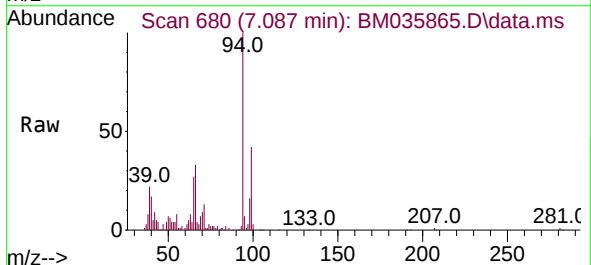
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Ion Ratio Lower Upper
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105 97.3 76.3 116.3
106 96.6 69.0 109.0

Manual Integrations
APPROVED

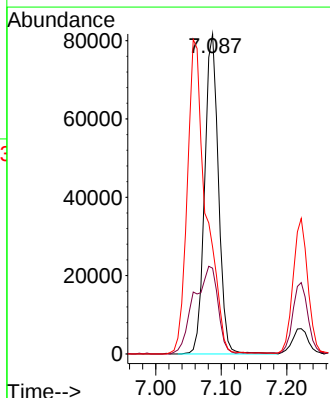
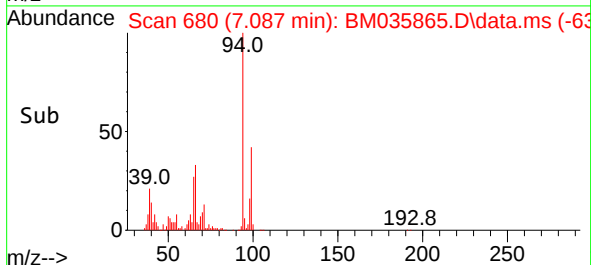
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

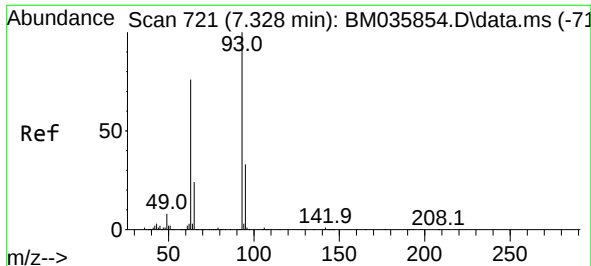


#10
Phenol
Concen: 5.197 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion: 94 Resp: 118840
Ion Ratio Lower Upper
94 100
65 26.8 11.4 51.4
66 33.4 21.4 61.4





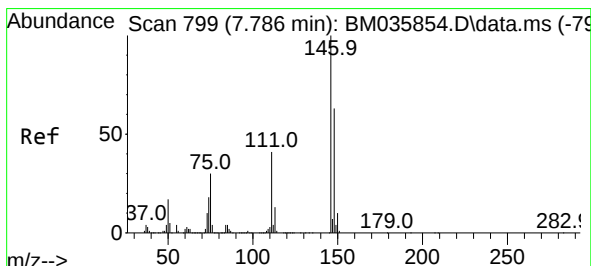
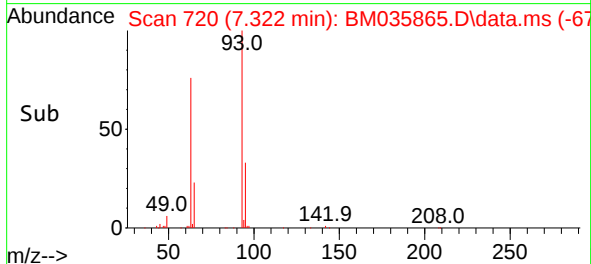
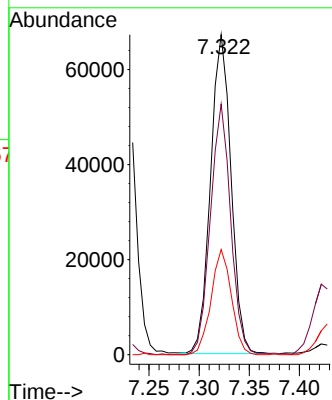
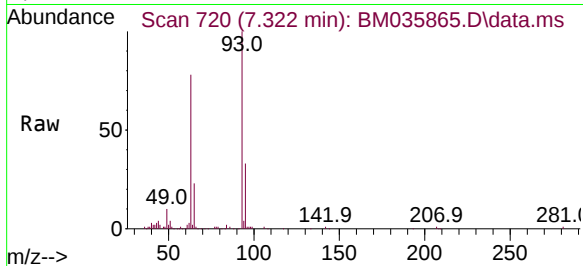
#11
bis(2-Chloroethyl)ether
Concen: 5.179 ng
RT: 7.322 min Scan# 721
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2022

Tgt Ion: 93 Resp: 95550
Ion Ratio Lower Upper
93 100
63 78.3 60.6 100.6
95 32.8 13.2 53.2

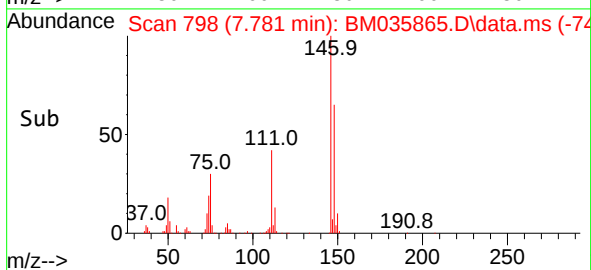
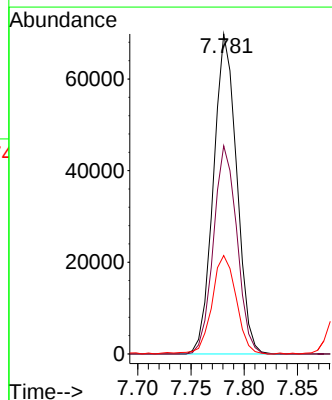
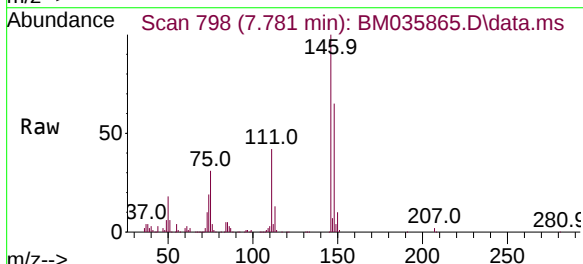
Manual Integrations
APPROVED

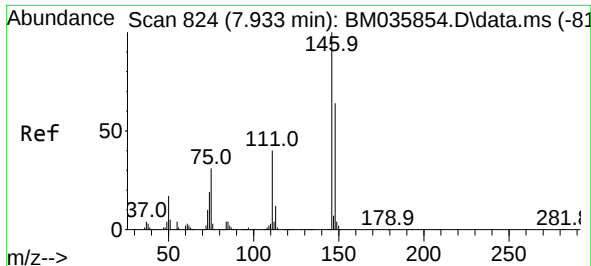
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#12
1,3-Dichlorobenzene
Concen: 5.105 ng
RT: 7.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

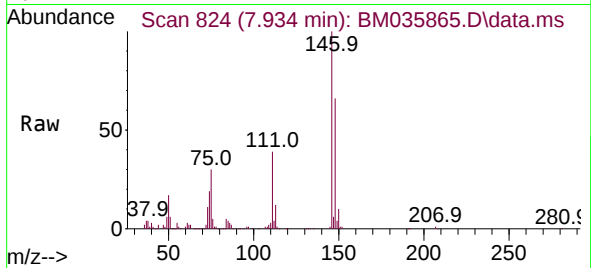
Tgt Ion:146 Resp: 106243
Ion Ratio Lower Upper
146 100
148 65.0 50.7 76.1
75 30.8 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 5.220 ng
RT: 7.934 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

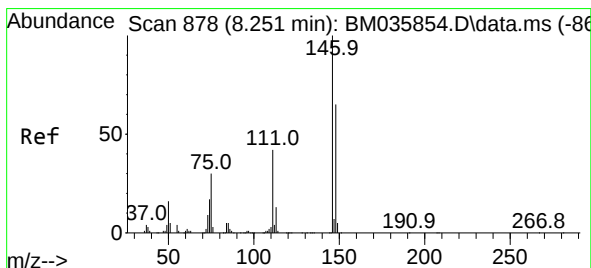
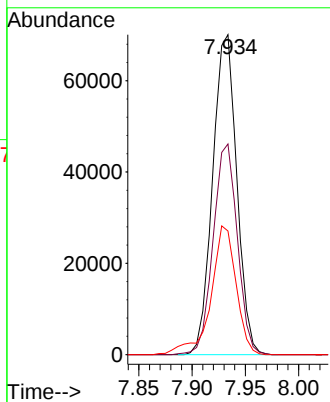
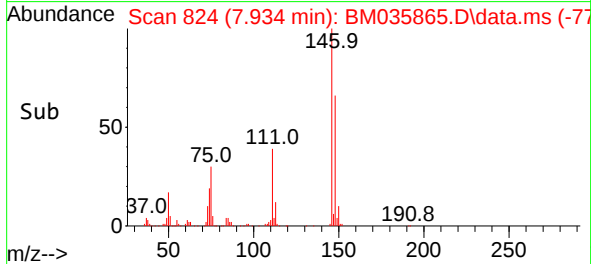
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



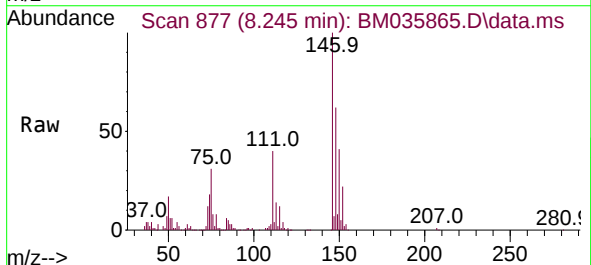
Tgt Ion:146 Resp: 110596
Ion Ratio Lower Upper
146 100
148 65.8 51.5 77.3
111 38.6 32.5 48.7

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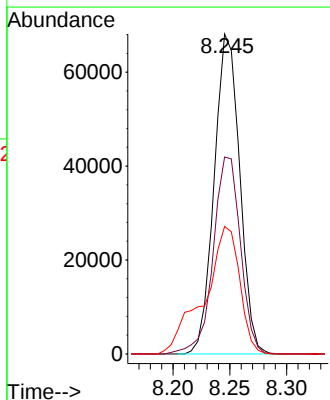
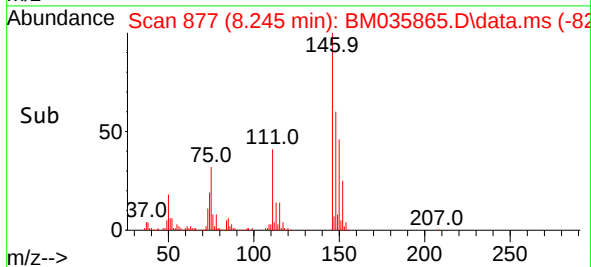
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

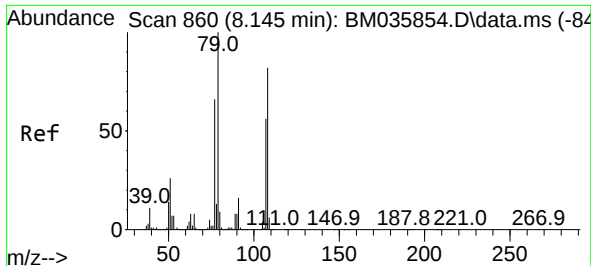


#14
1,2-Dichlorobenzene
Concen: 5.191 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



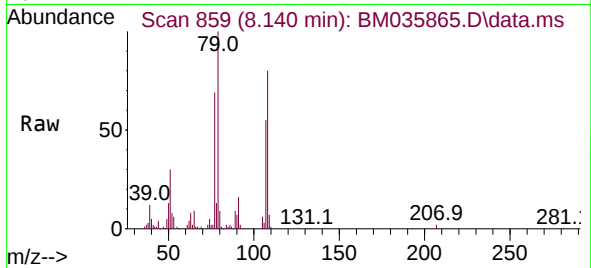
Tgt Ion:146 Resp: 106376
Ion Ratio Lower Upper
146 100
148 61.5 50.7 76.1
111 39.8 33.9 50.9





#15
Benzyl Alcohol
Concen: 4.824 ng
RT: 8.140 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

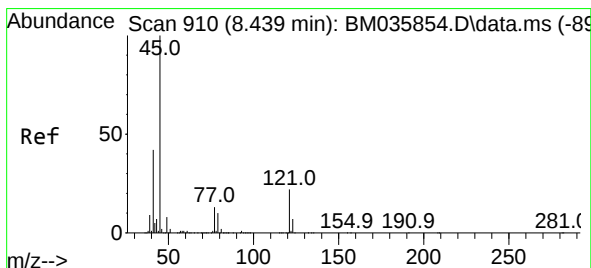
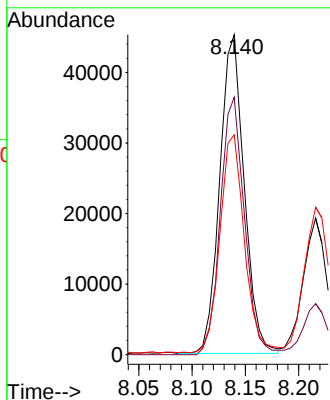
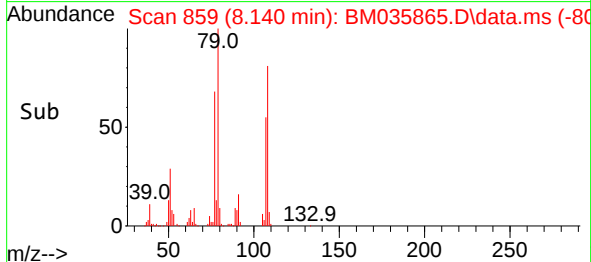
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



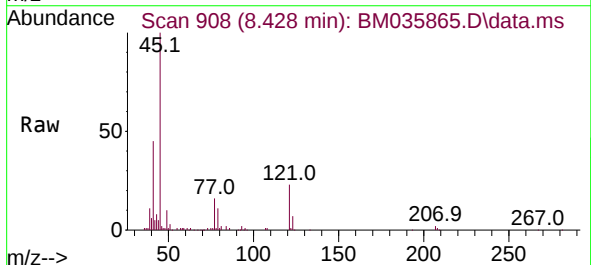
Tgt Ion: 79 Resp: 72166
Ion Ratio Lower Upper
79 100
108 80.4 59.0 88.4
77 68.7 52.2 78.4

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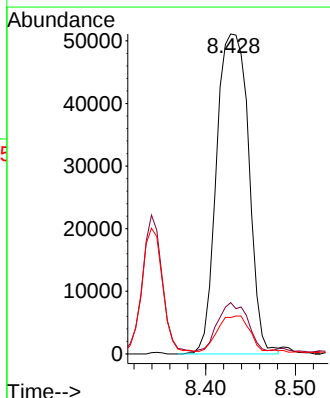
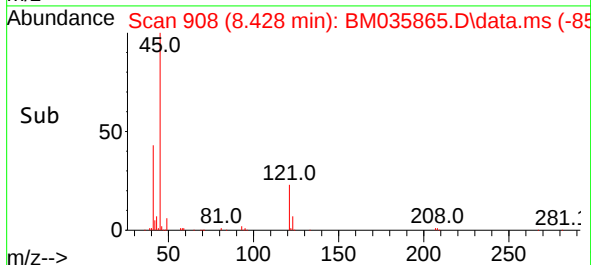
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

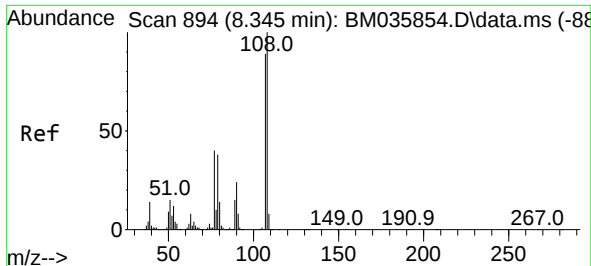


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.301 ng
RT: 8.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



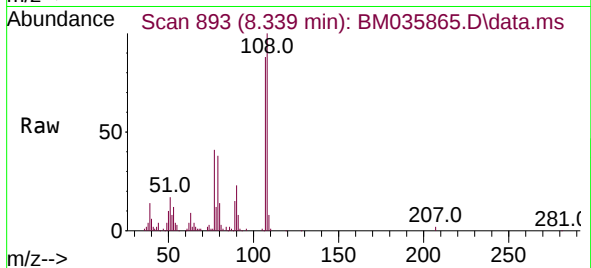
Tgt Ion: 45 Resp: 127322
Ion Ratio Lower Upper
45 100
77 16.0 0.0 33.1
79 11.4 0.0 30.5





#17
2-Methylphenol
Concen: 4.869 ng
RT: 8.339 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

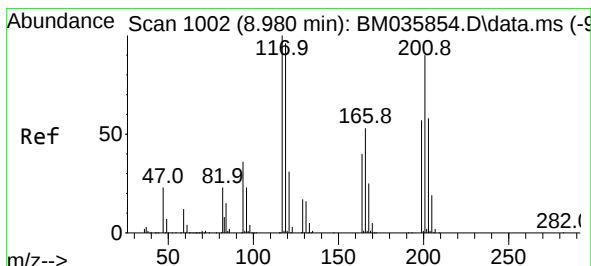
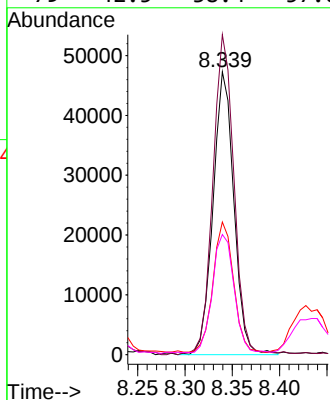
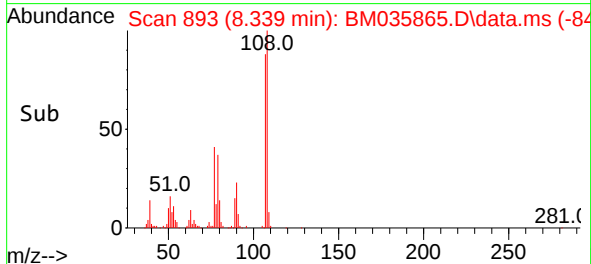
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



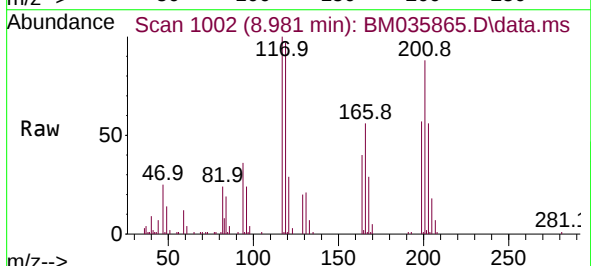
Tgt Ion:	107	Resp:	72280
Ion Ratio	Lower	Upper	
107	100		
108	113.1	88.7	133.1
77	46.9	40.6	60.8
79	42.5	38.4	57.6

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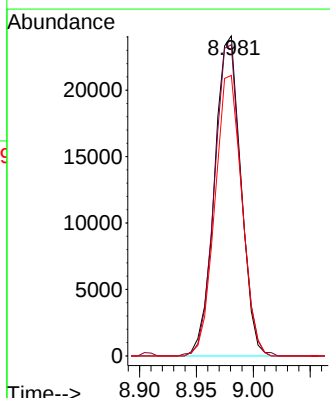
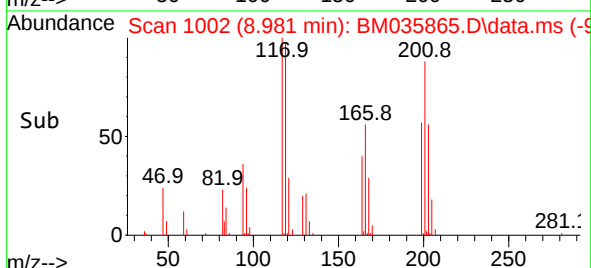
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

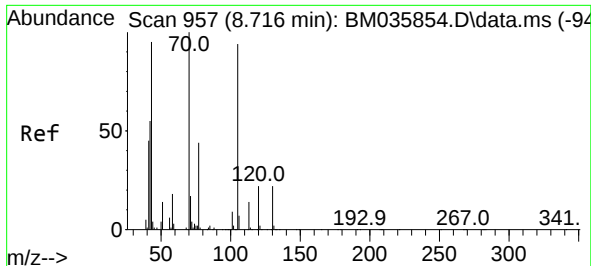


#18
Hexachloroethane
Concen: 5.096 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion:	117	Resp:	38846
Ion Ratio	Lower	Upper	
117	100		
119	97.2	75.8	113.6
201	89.7	81.0	121.4





#19

n-Nitroso-di-n-propylamine

Concen: 5.144 ng

RT: 8.704 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM035865.D

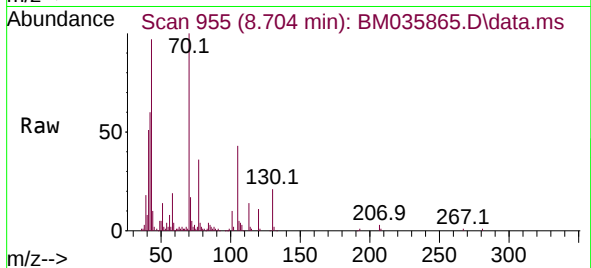
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



Tgt Ion: 70 Resp: 67705

Ion Ratio Lower Upper

70 100

42 60.3 55.4 83.2

101 9.7 7.8 11.6

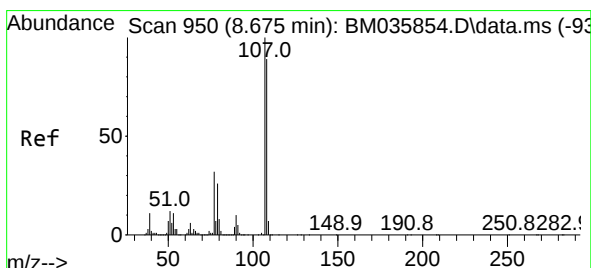
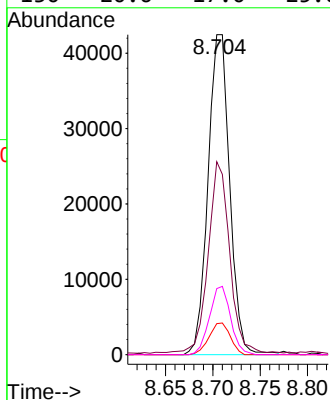
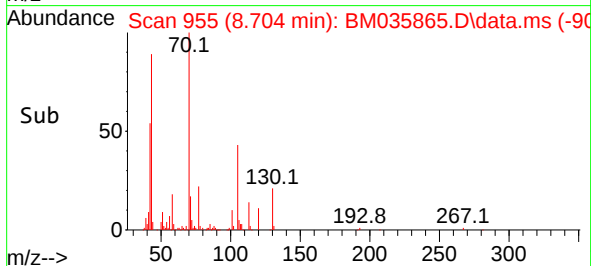
130 20.6 17.0 25.6

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#20

3+4-Methylphenols

Concen: 4.784 ng

RT: 8.669 min Scan# 949

Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

Tgt Ion:107 Resp: 95982

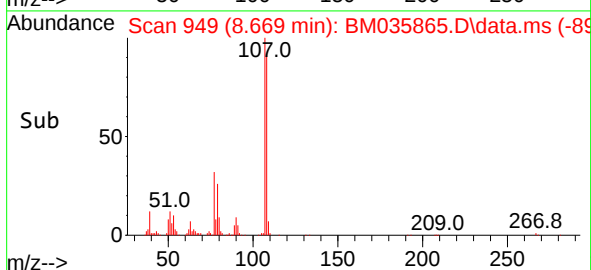
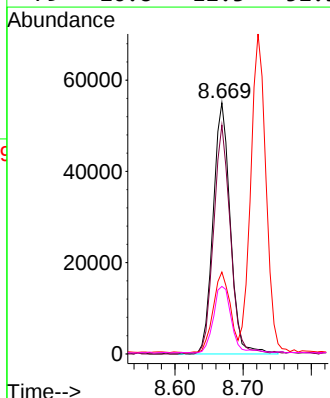
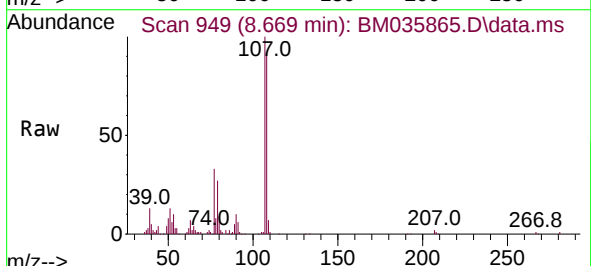
Ion Ratio Lower Upper

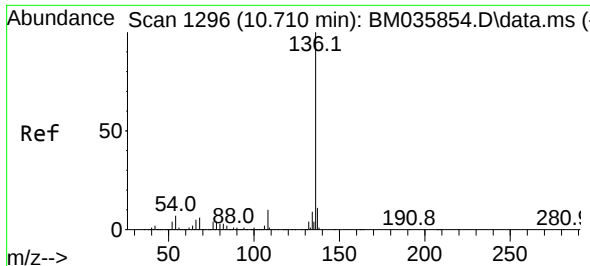
107 100

108 91.1 69.3 109.3

77 32.6 15.8 55.8

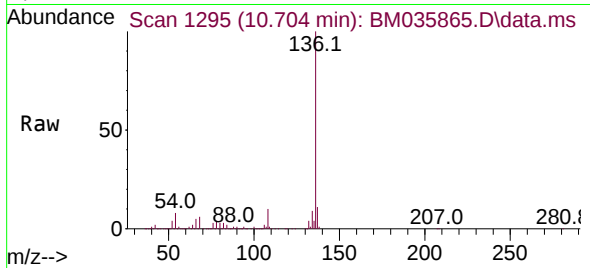
79 26.8 12.3 52.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

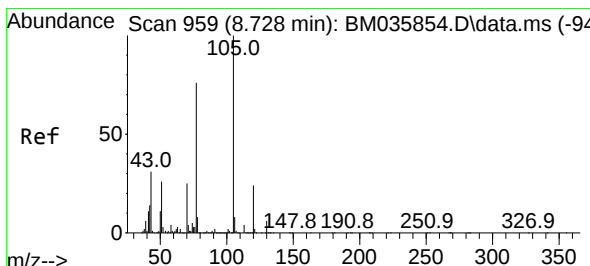
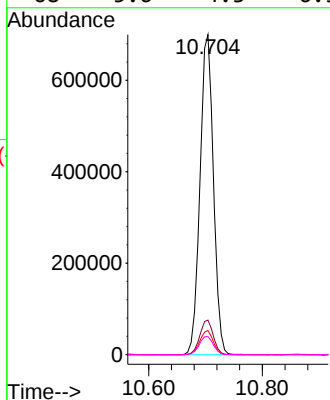
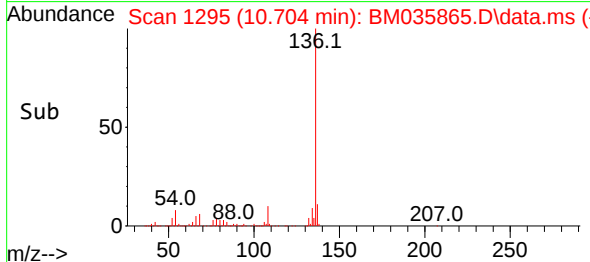
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2022



Tgt Ion:136 Resp: 1146317
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 7.0 10.4
68 5.6 4.3 6.5

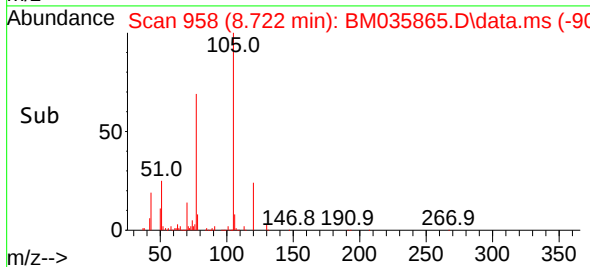
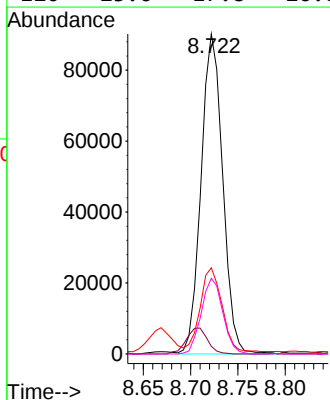
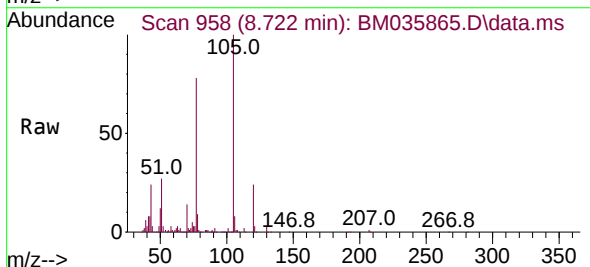
Manual Integrations
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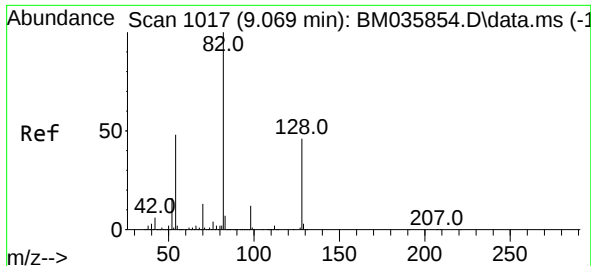
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#22
Acetophenone
Concen: 5.058 ng
RT: 8.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Tgt Ion:105 Resp: 143296
Ion Ratio Lower Upper
105 100
71 2.4 5.0 7.4#
51 26.9 25.6 38.4
120 23.6 17.8 26.8





#23

Nitrobenzene-d5

Concen: 77.027 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BM035865.D

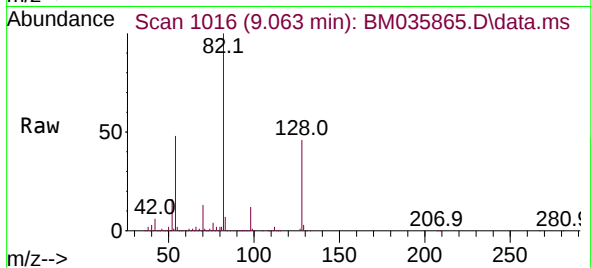
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



Tgt Ion: 82 Resp: 1650920

Ion Ratio Lower Upper

82 100

128 45.9 33.7 50.5

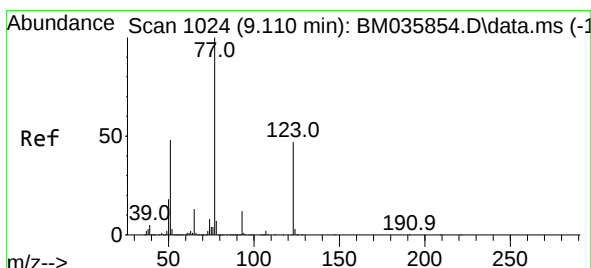
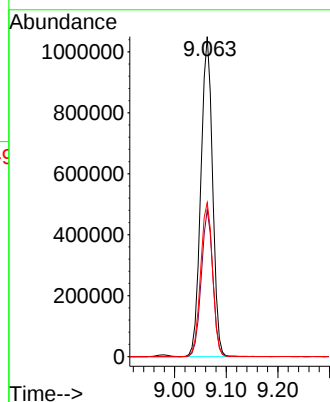
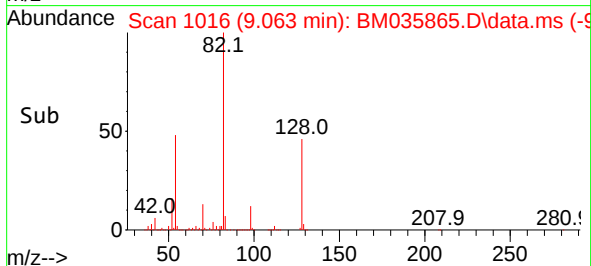
54 48.1 43.2 64.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#24

Nitrobenzene

Concen: 5.621 ng

RT: 9.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

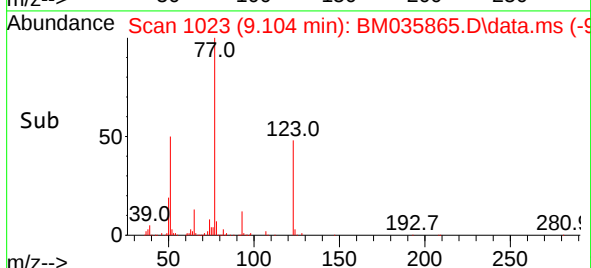
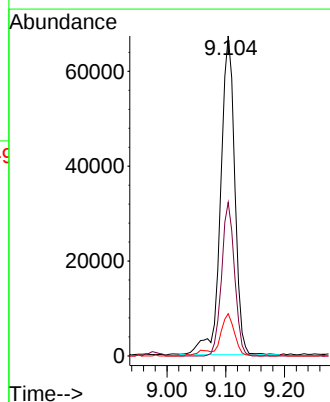
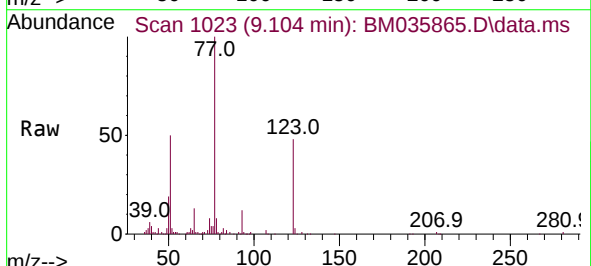
Tgt Ion: 77 Resp: 113156

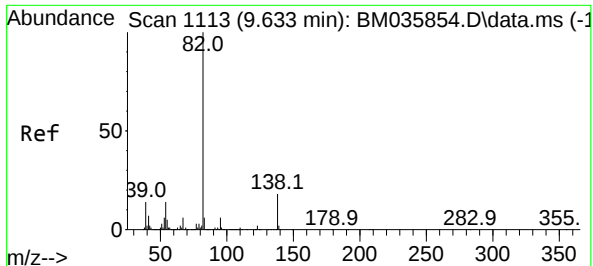
Ion Ratio Lower Upper

77 100

123 48.0 36.2 54.4

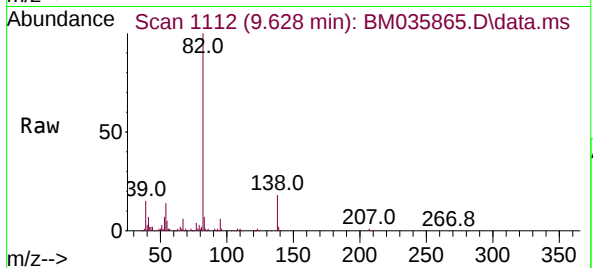
65 13.2 11.4 17.0





#25
Isophorone
Concen: 5.426 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

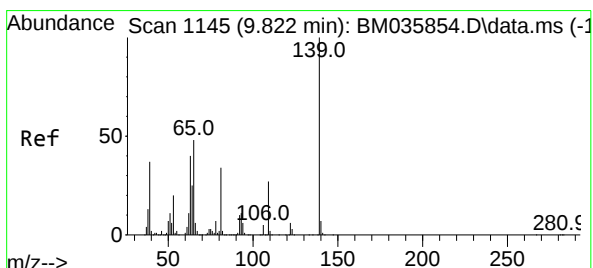
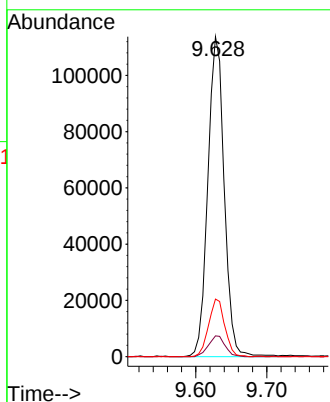
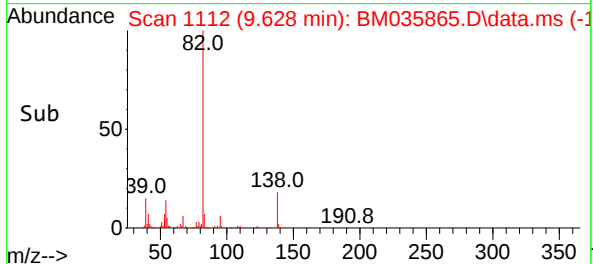
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 82 Resp: 181929
Ion Ratio Lower Upper
82 100
95 6.5 6.4 9.6
138 18.0 14.2 21.4

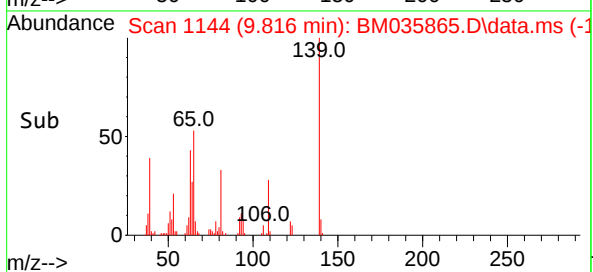
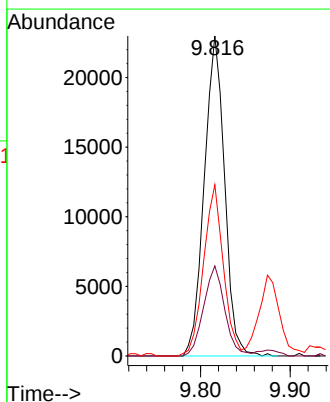
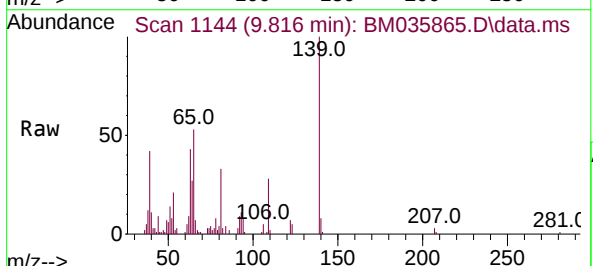
Manual Integrations
APPROVED

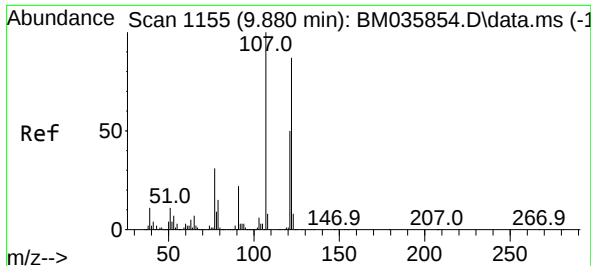
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#26
2-Nitrophenol
Concen: 4.004 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Tgt Ion:139 Resp: 36307
Ion Ratio Lower Upper
139 100
109 28.1 25.6 38.4
65 53.5 43.2 64.8





#27

2,4-Dimethylphenol

Concen: 5.615 ng

RT: 9.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BM035865.D

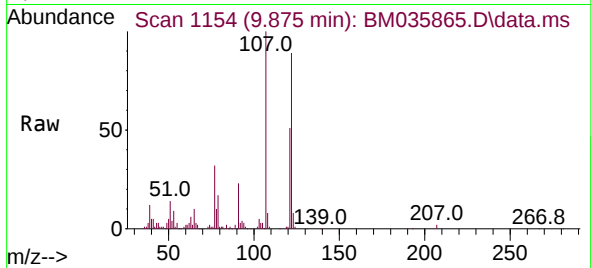
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



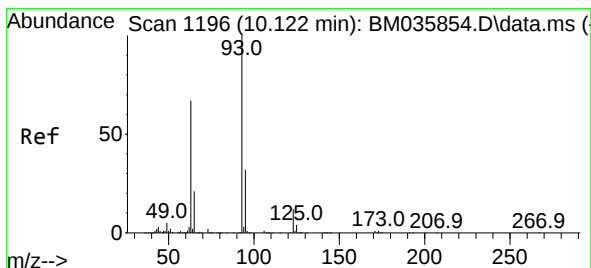
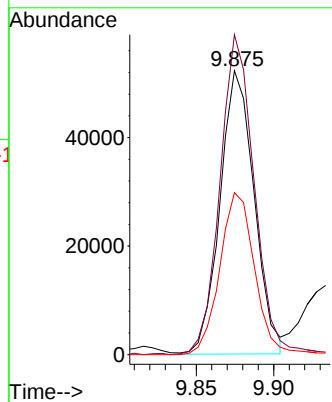
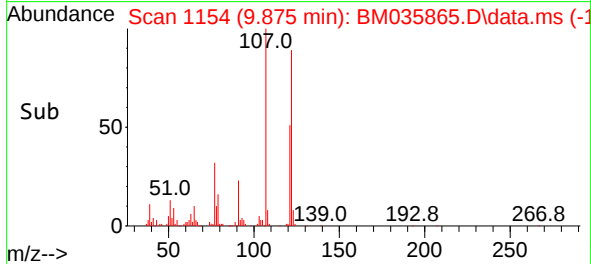
Tgt Ion:	122	Resp:	80326
Ion	Ratio	Lower	Upper
122	100		
107	112.7	92.4	138.6
121	57.0	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#28

bis(2-Chloroethoxy)methane

Concen: 5.076 ng

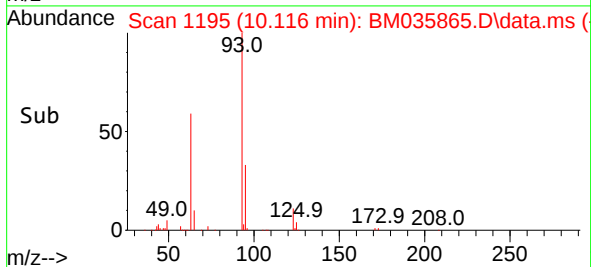
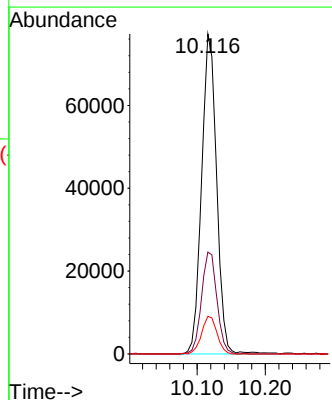
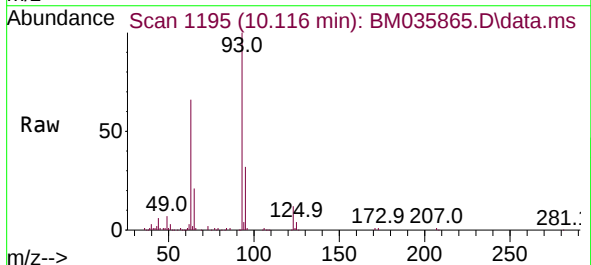
RT: 10.116 min Scan# 1195

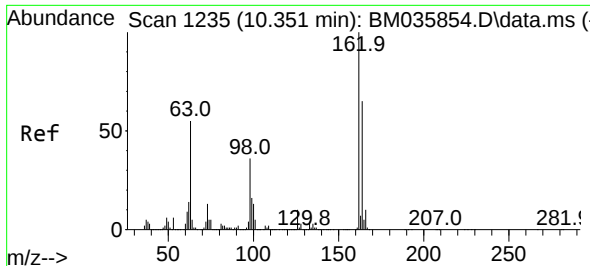
Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

Tgt Ion:	93	Resp:	118452
Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.1	39.1
123	11.8	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 4.533 ng

RT: 10.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BM035865.D

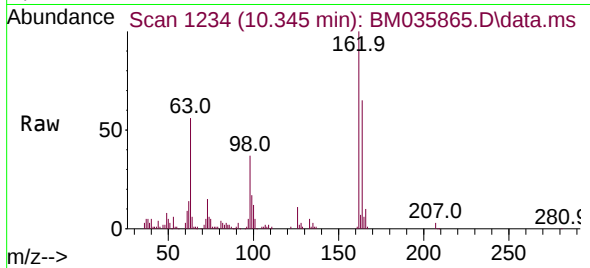
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



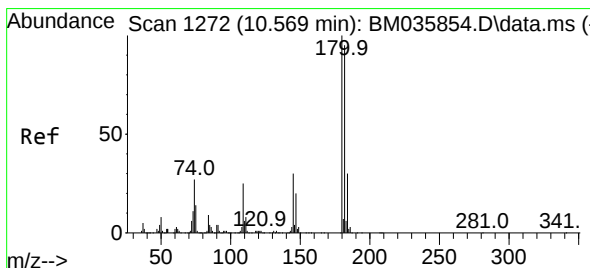
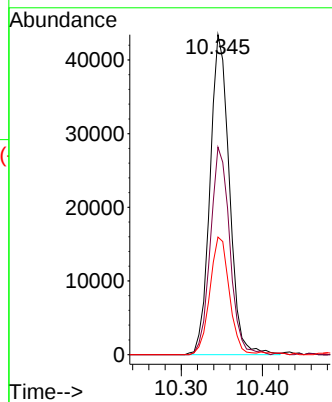
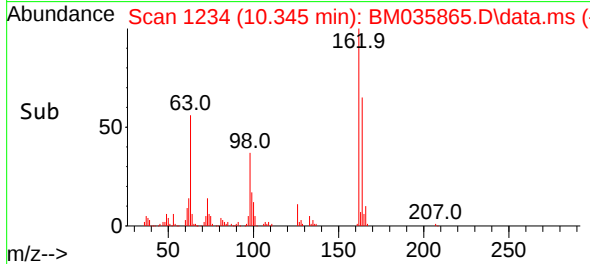
Tgt Ion:	162	Resp:	7188
Ion Ratio	Lower	Upper	
162	100		
164	64.8	44.2	84.2
98	36.7	15.0	55.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#30

1,2,4-Trichlorobenzene

Concen: 4.992 ng

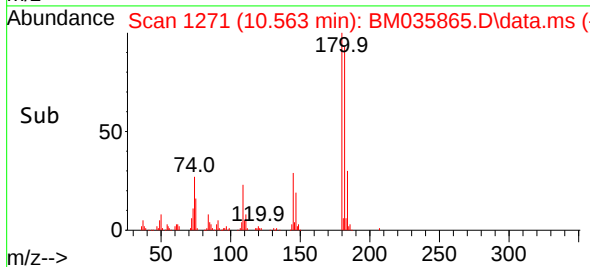
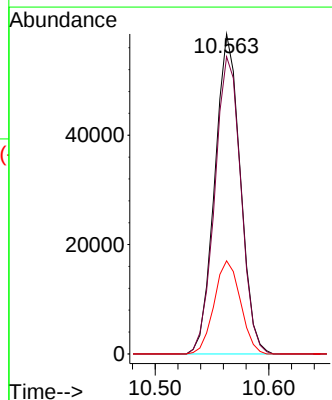
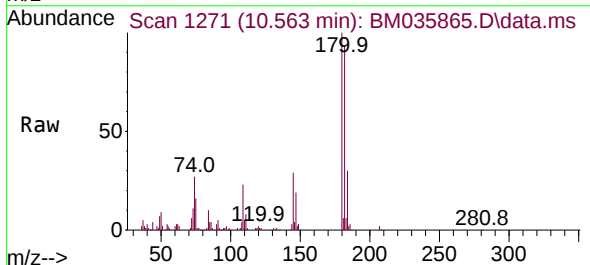
RT: 10.563 min Scan# 1271

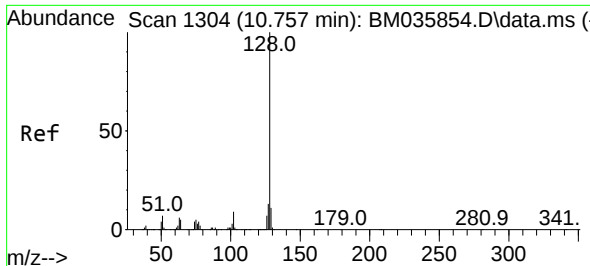
Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

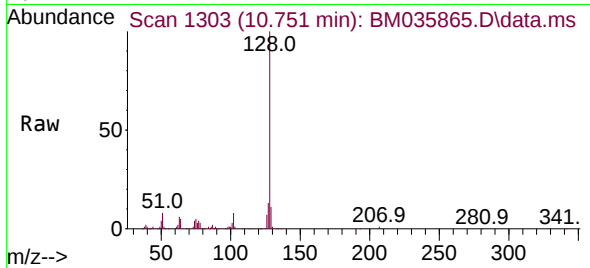
Tgt Ion:	180	Resp:	91374
Ion Ratio	Lower	Upper	
180	100		
182	92.9	77.9	116.9
145	29.1	25.0	37.6





#31
Naphthalene
Concen: 5.300 ng
RT: 10.751 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

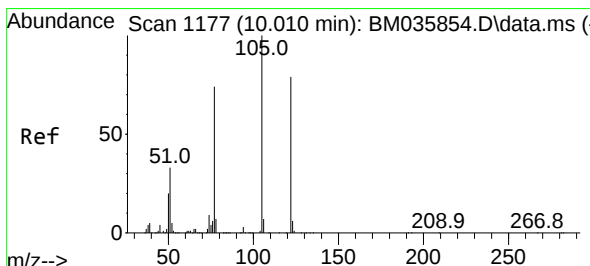
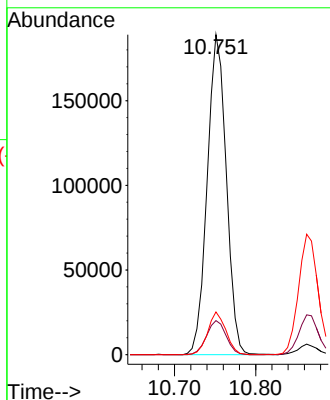
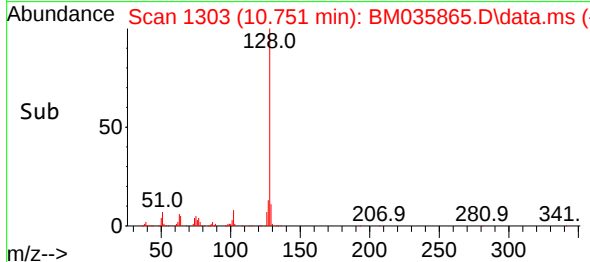
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:128 Resp: 308702
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.3 10.6 16.0

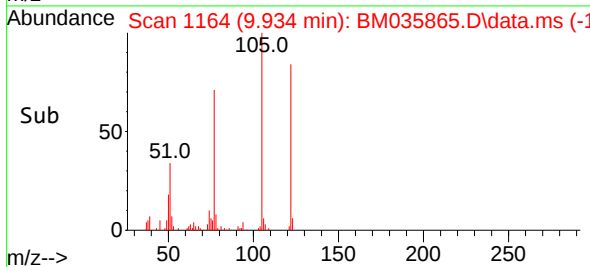
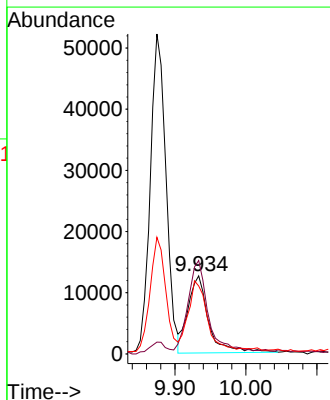
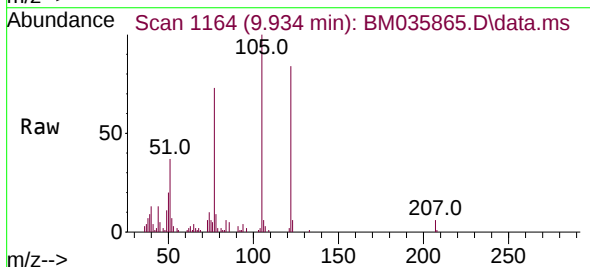
Manual Integrations
APPROVED

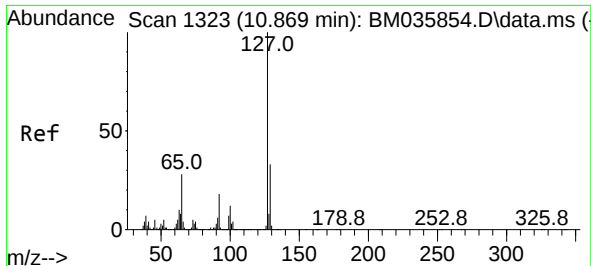
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#32
Benzoic acid
Concen: 2.351 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.076 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

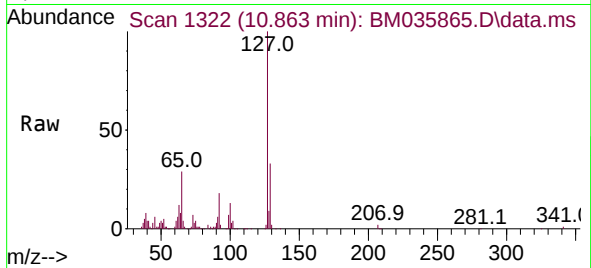
Tgt Ion:122 Resp: 25437
Ion Ratio Lower Upper
122 100
105 119.7 105.7 145.7
77 87.0 80.0 120.0





#33
4-Chloroaniline
Concen: 5.145 ng
RT: 10.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

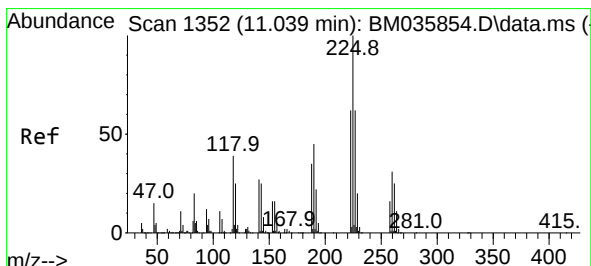
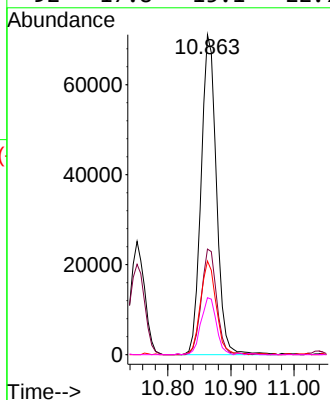
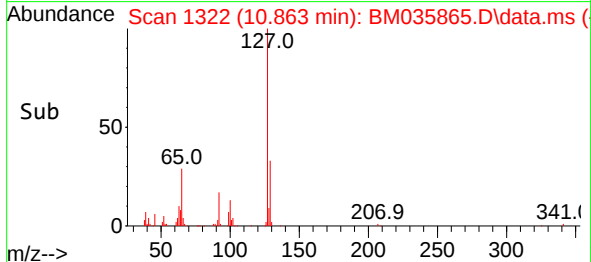
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:127 Resp: 119882
Ion Ratio Lower Upper
127 100
129 33.0 25.7 38.5
65 29.2 26.6 40.0
92 17.8 15.1 22.7

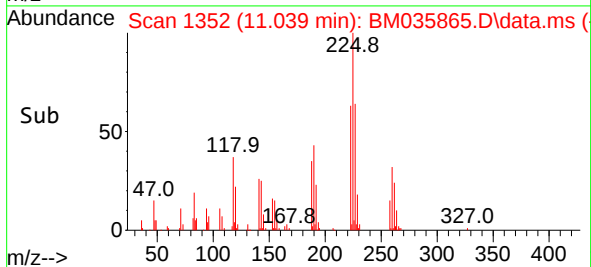
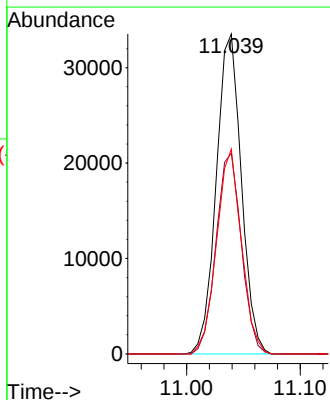
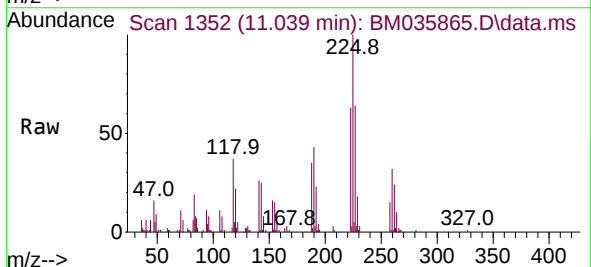
Manual Integrations
APPROVED

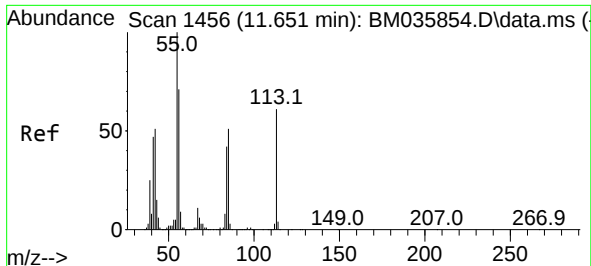
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#34
Hexachlorobutadiene
Concen: 4.903 ng
RT: 11.039 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

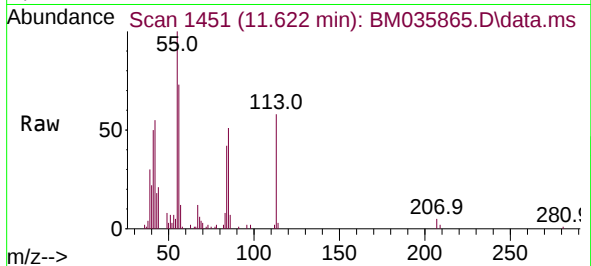
Tgt Ion:225 Resp: 51501
Ion Ratio Lower Upper
225 100
223 62.7 50.8 76.2
227 64.0 52.7 79.1





#35
Caprolactam
Concen: 4.036 ng
RT: 11.622 min Scan# 1456
Delta R.T. -0.029 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

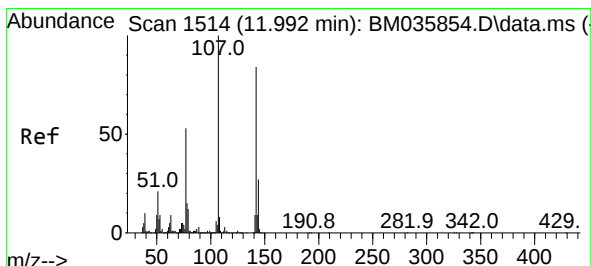
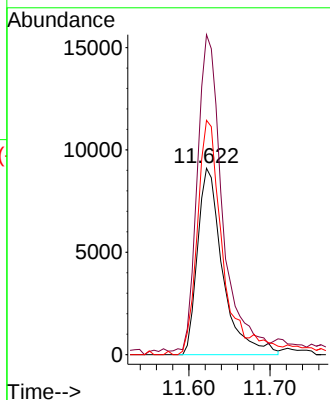
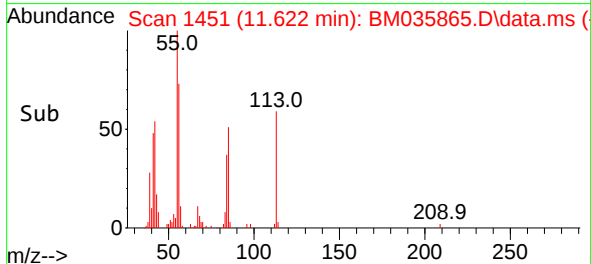
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



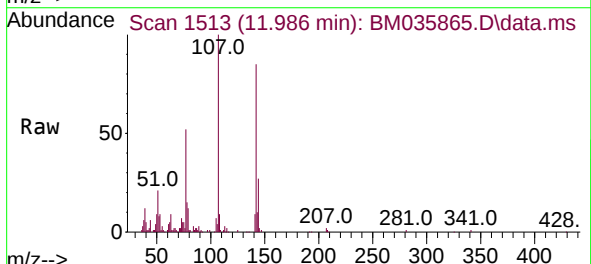
Tgt Ion:113 Resp: 19576
Ion Ratio Lower Upper
113 100
55 171.8 150.1 190.1
56 125.8 111.7 151.7

Manual Integrations
APPROVED

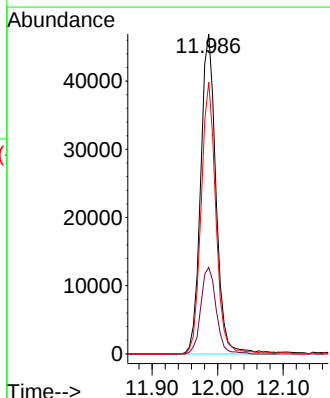
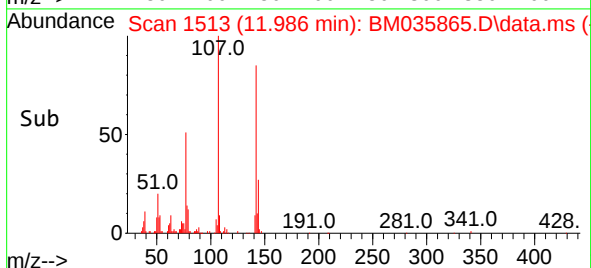
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

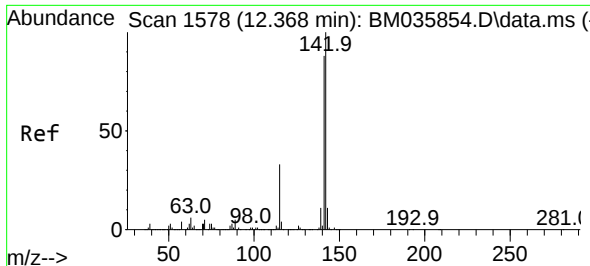


#36
4-Chloro-3-methylphenol
Concen: 4.667 ng
RT: 11.986 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion:107 Resp: 75893
Ion Ratio Lower Upper
107 100
144 27.0 21.4 32.0
142 84.9 66.7 100.1





#37

2-Methylnaphthalene

Concen: 5.191 ng

RT: 12.363 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BM035865.D

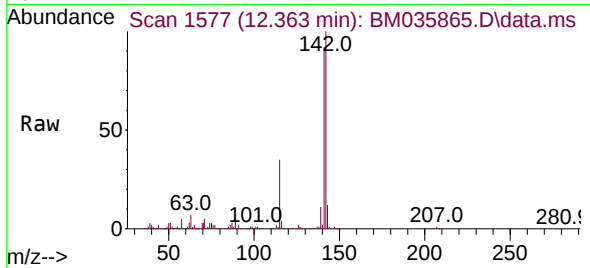
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



Tgt Ion:142 Resp: 196679

Ion Ratio Lower Upper

142 100

141 91.6 72.4 108.6

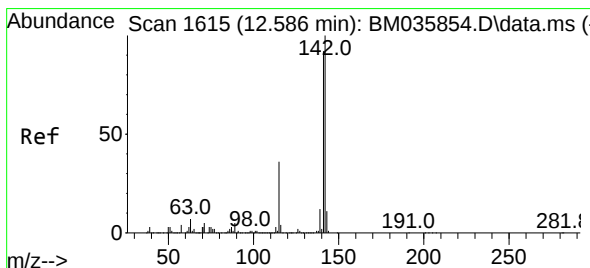
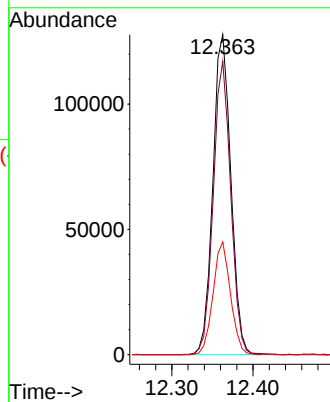
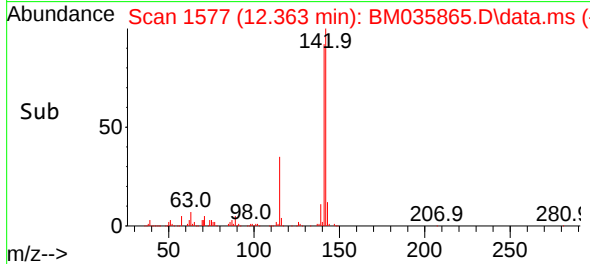
115 35.2 29.6 44.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#38

1-Methylnaphthalene

Concen: 5.174 ng

RT: 12.580 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

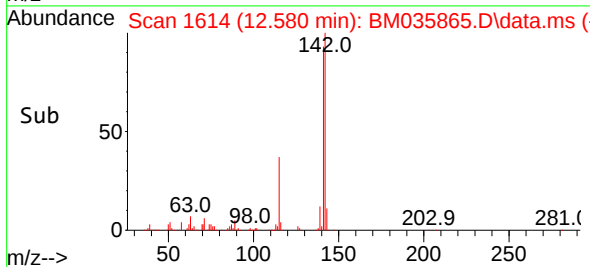
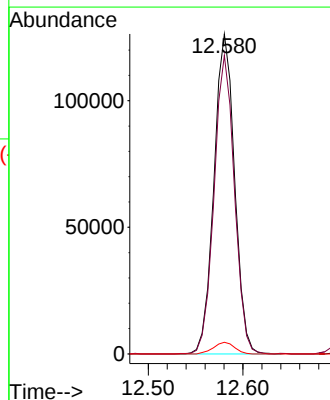
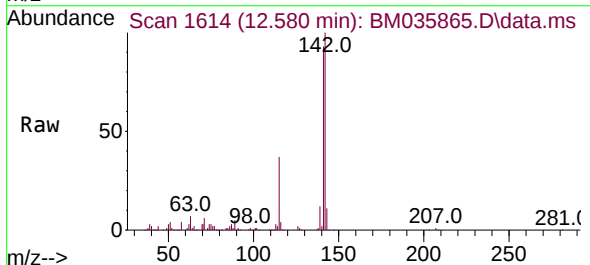
Tgt Ion:142 Resp: 190831

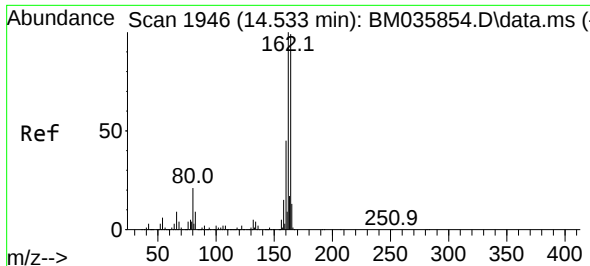
Ion Ratio Lower Upper

142 100

141 93.3 75.0 112.4

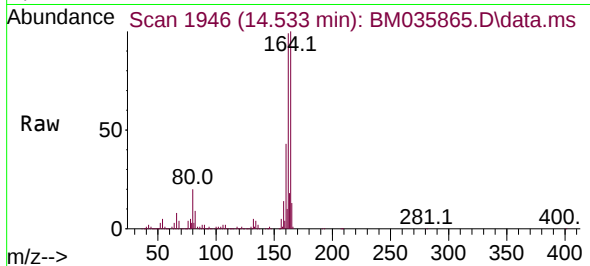
116 3.6 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.533 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

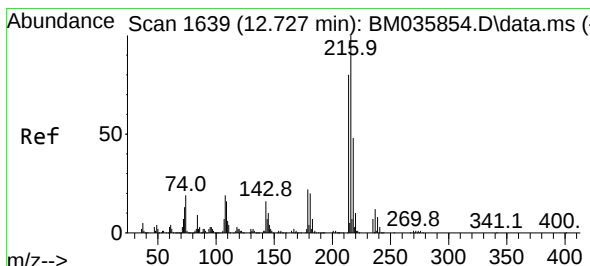
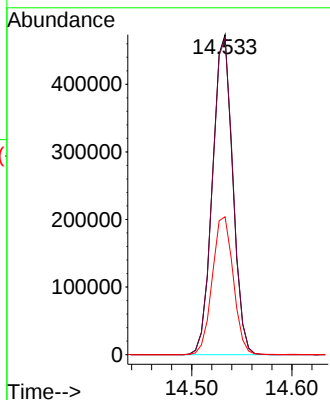
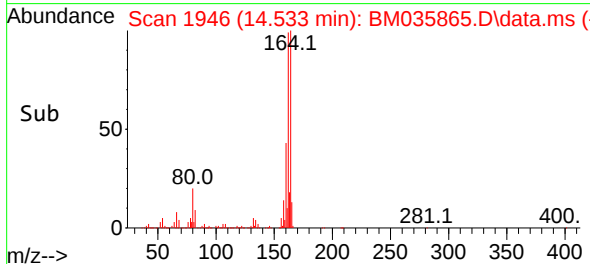
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



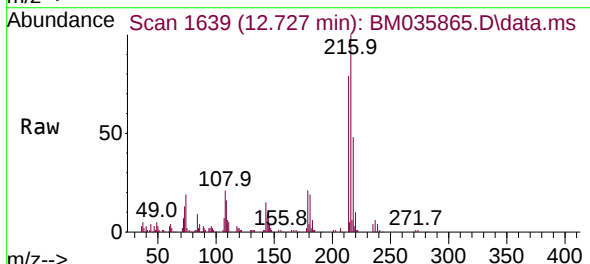
Tgt Ion:164 Resp: 661468
Ion Ratio Lower Upper
164 100
162 98.8 83.0 124.6
160 43.1 37.0 55.4

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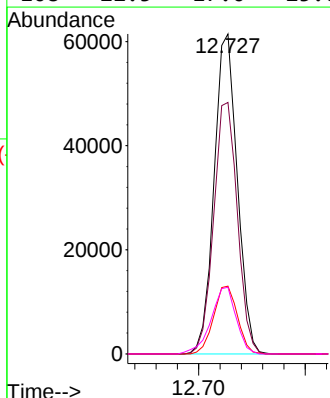
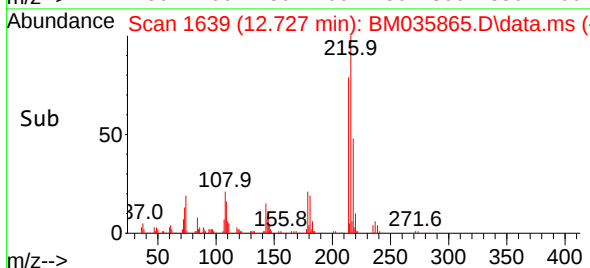
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

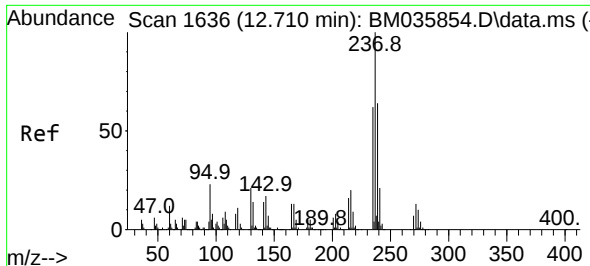


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.921 ng
RT: 12.727 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



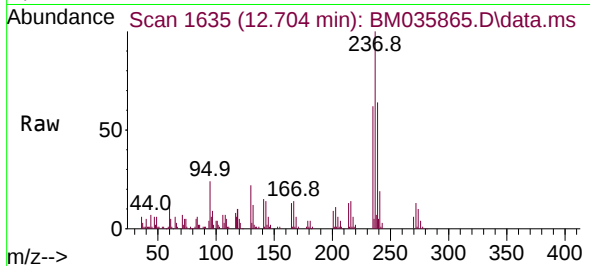
Tgt Ion:216 Resp: 92994
Ion Ratio Lower Upper
216 100
214 80.2 62.6 94.0
179 21.7 18.2 27.2
108 22.5 17.0 25.6





#41
Hexachlorocyclopentadiene
Concen: 5.365 ng
RT: 12.704 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

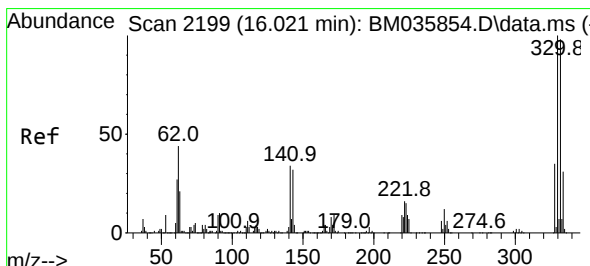
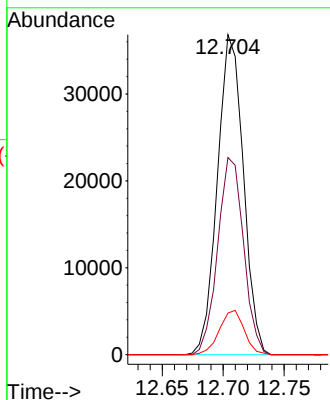
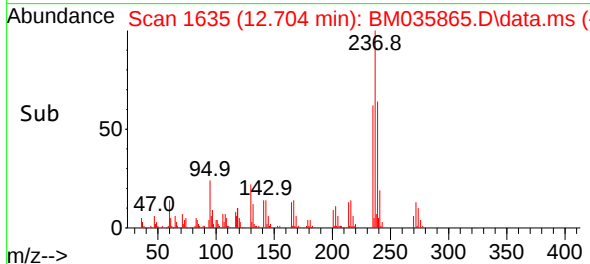
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:237 Resp: 54643
Ion Ratio Lower Upper
237 100
235 61.6 43.8 83.8
272 13.0 0.0 32.5

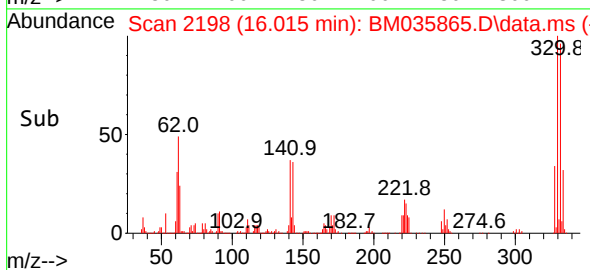
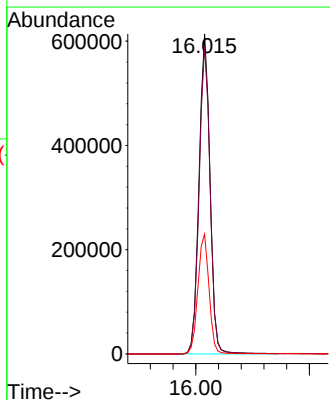
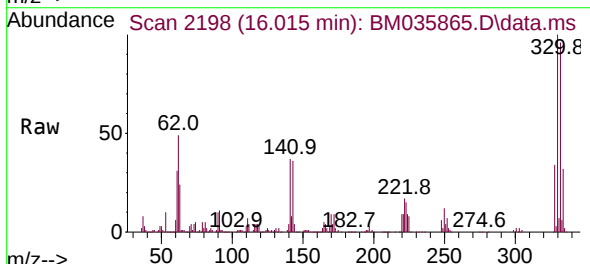
Manual Integrations
APPROVED

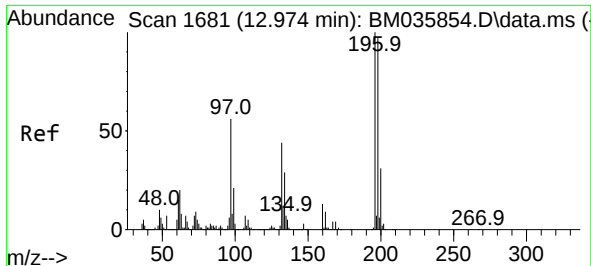
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#42
2,4,6-Tribromophenol
Concen: 111.048 ng
RT: 16.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Tgt Ion:330 Resp: 821629
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 37.8 35.3 52.9





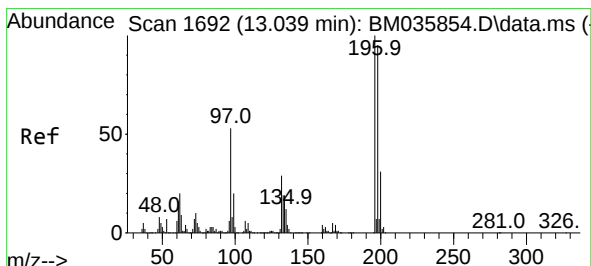
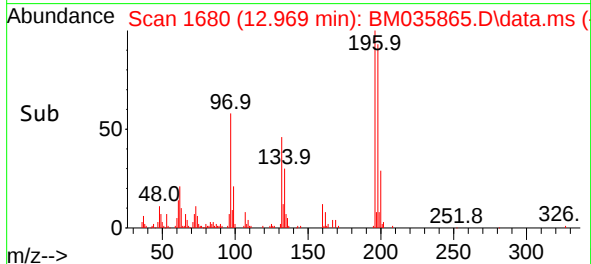
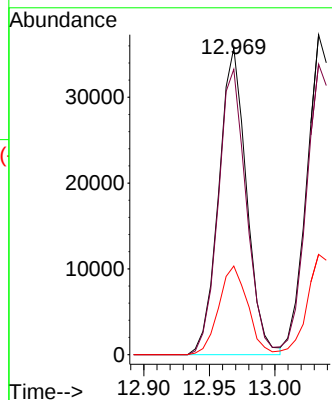
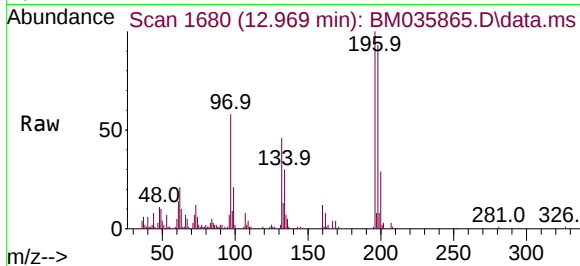
#43
2,4,6-Trichlorophenol
Concen: 4.226 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:196 Resp: 52785
Ion Ratio Lower Upper
196 100
198 93.0 75.8 113.6
200 28.9 24.9 37.3

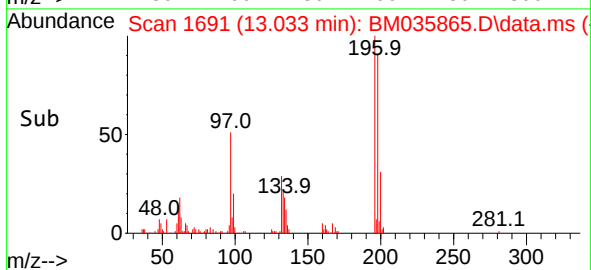
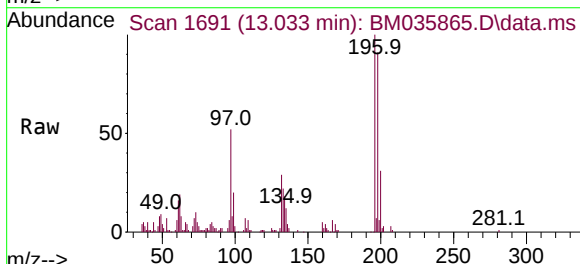
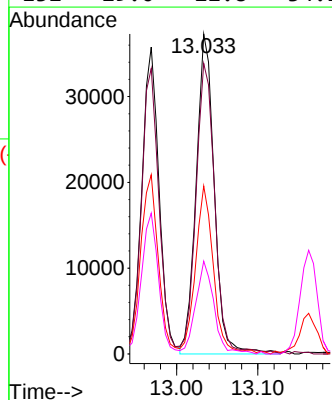
Manual Integrations
APPROVED

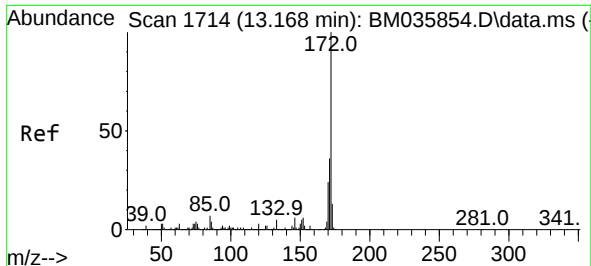
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#44
2,4,5-Trichlorophenol
Concen: 4.406 ng
RT: 13.033 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

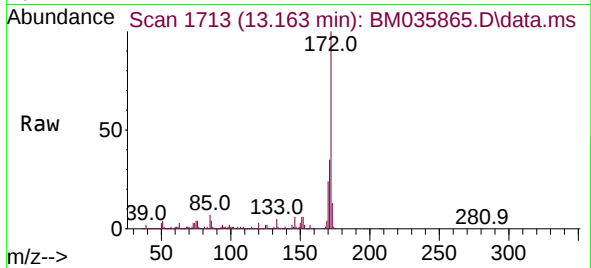
Tgt Ion:196 Resp: 58036
Ion Ratio Lower Upper
196 100
198 90.8 77.8 116.6
97 52.5 43.4 65.2
132 29.0 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 77.581 ng
RT: 13.163 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

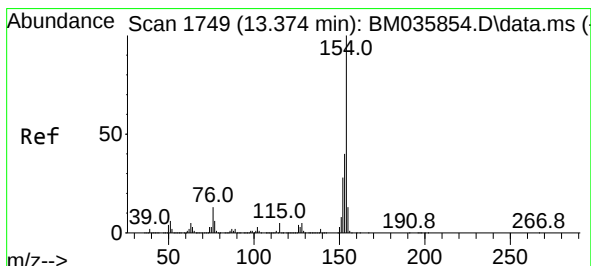
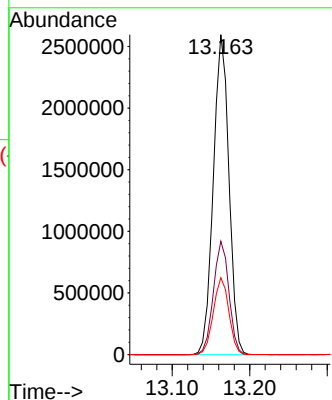
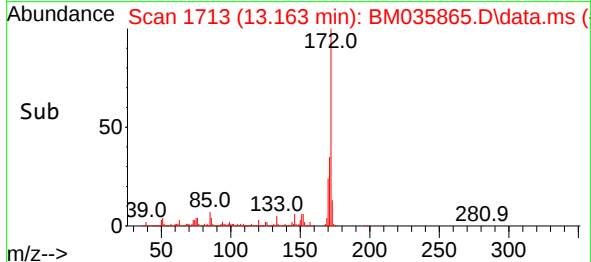
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:172 Resp: 3630483
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.0 18.7 28.1

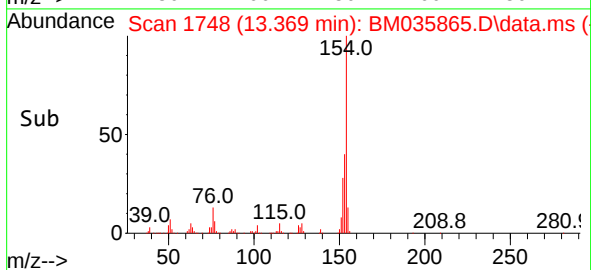
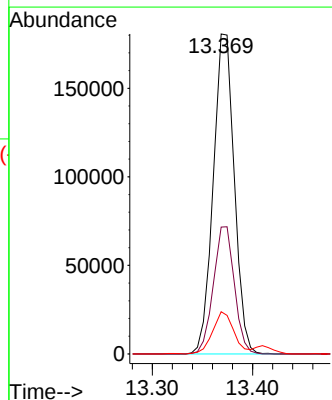
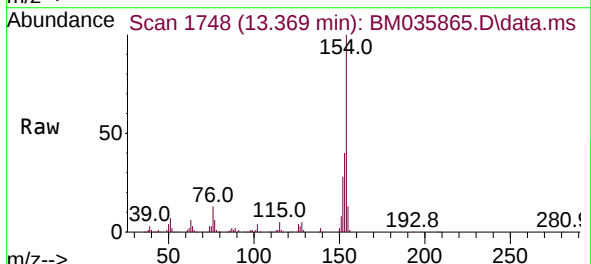
Manual Integrations
APPROVED

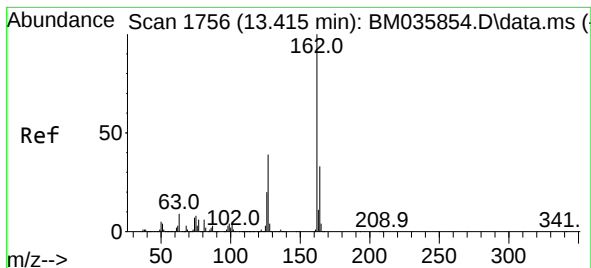
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#46
1,1'-Biphenyl
Concen: 5.248 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

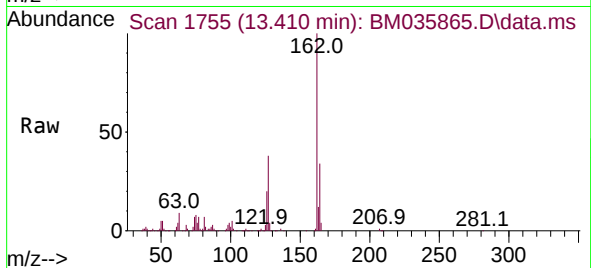
Tgt Ion:154 Resp: 264057
Ion Ratio Lower Upper
154 100
153 39.6 20.5 60.5
76 13.2 0.0 31.8





#47
2-Chloronaphthalene
Concen: 5.062 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

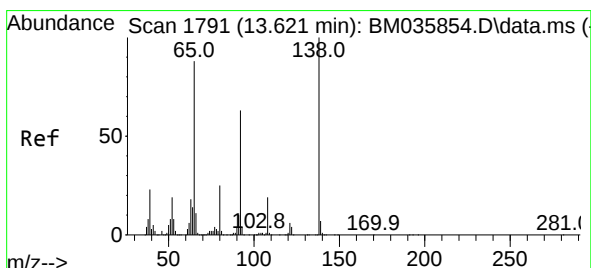
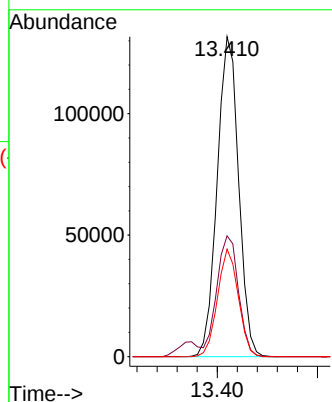
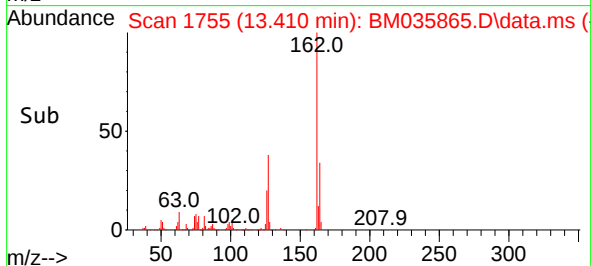
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:162 Resp: 195776
Ion Ratio Lower Upper
162 100
127 37.7 30.6 45.8
164 33.6 26.6 39.8

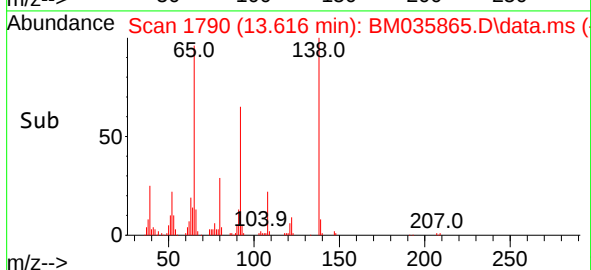
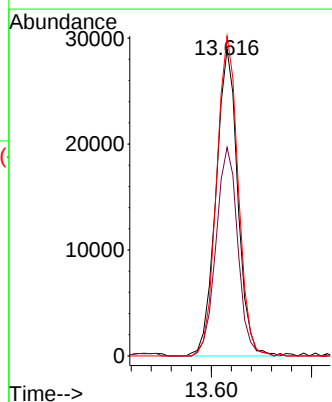
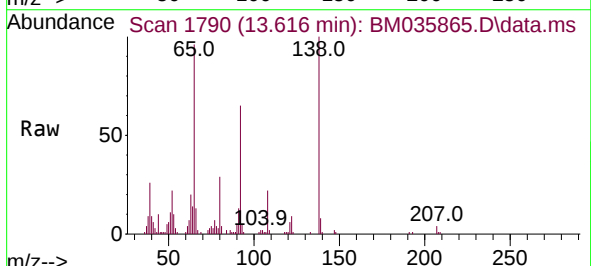
Manual Integrations
APPROVED

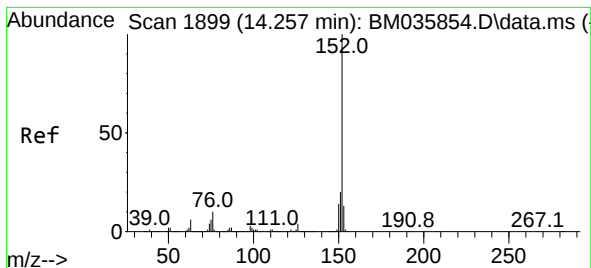
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#48
2-Nitroaniline
Concen: 4.109 ng
RT: 13.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Tgt Ion: 65 Resp: 43786
Ion Ratio Lower Upper
65 100
92 67.9 53.7 80.5
138 104.3 83.9 125.9





#49

Acenaphthylene

Concen: 5.198 ng

RT: 14.257 min Scan# 1899

Delta R.T. 0.000 min

Lab File: BM035865.D

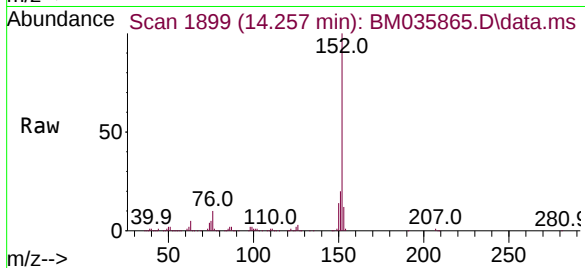
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



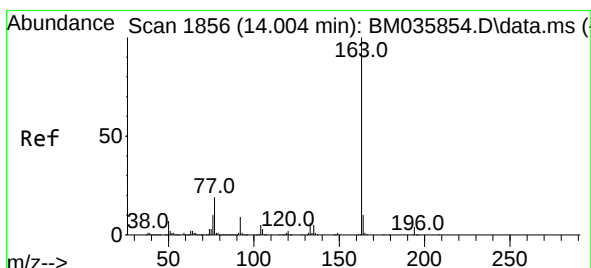
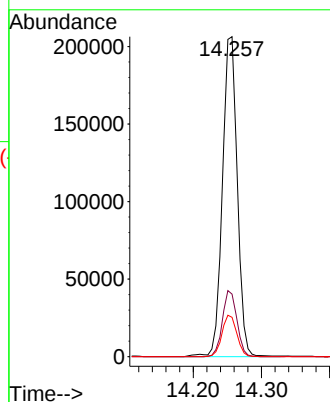
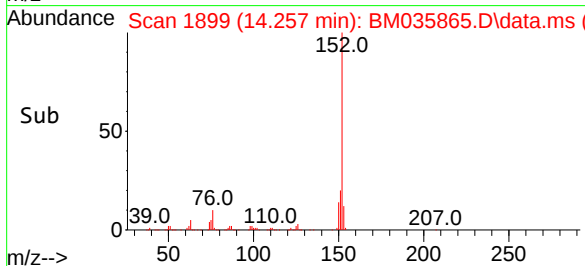
Tgt Ion:	152	Resp:	309543
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.2
153	12.3	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#50

Dimethylphthalate

Concen: 4.877 ng

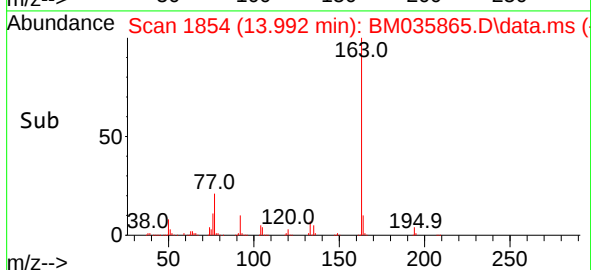
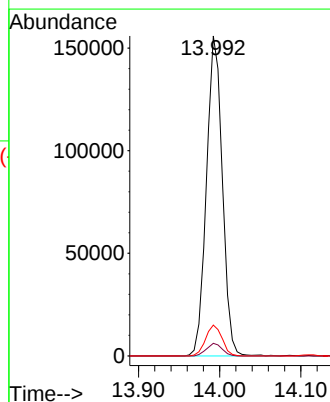
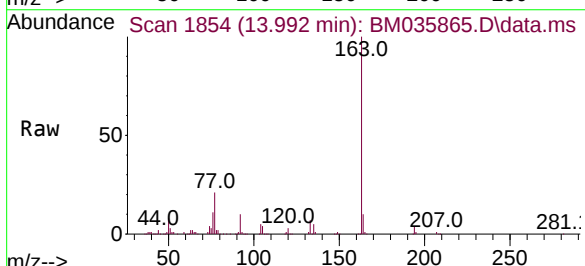
RT: 13.992 min Scan# 1854

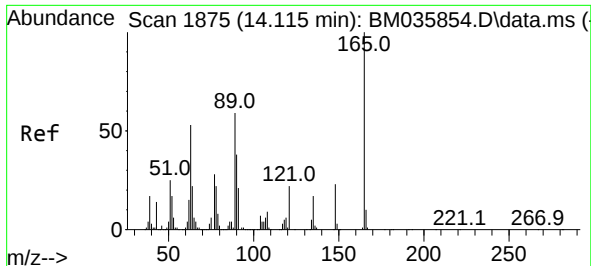
Delta R.T. -0.012 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

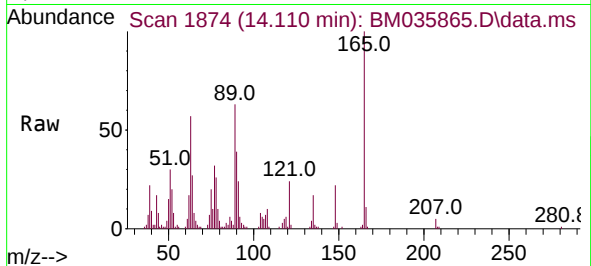
Tgt Ion:	163	Resp:	212333
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.4
164	9.6	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 4.444 ng
RT: 14.110 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

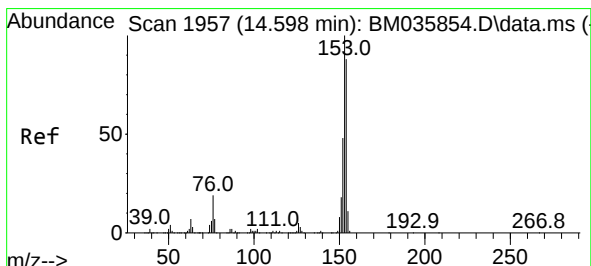
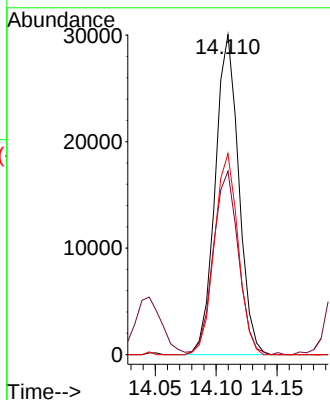
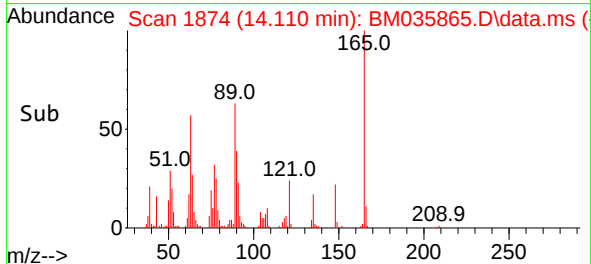
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:165 Resp: 40462
Ion Ratio Lower Upper
165 100
63 57.3 50.2 75.2
89 62.8 48.4 72.6

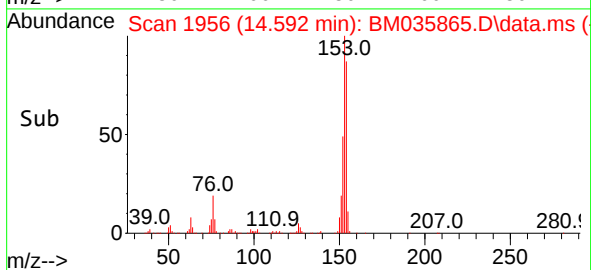
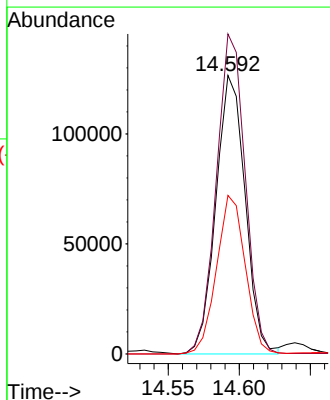
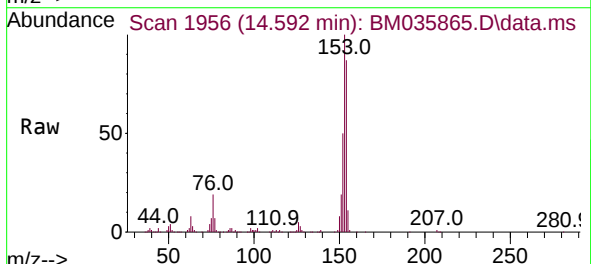
Manual Integrations
APPROVED

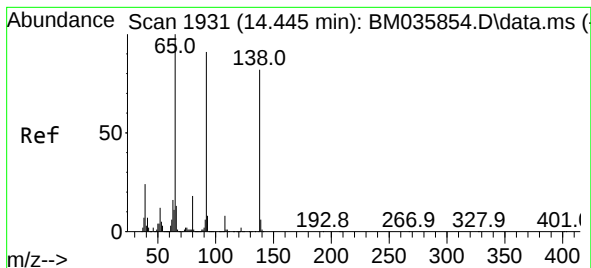
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#52
Acenaphthene
Concen: 5.087 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

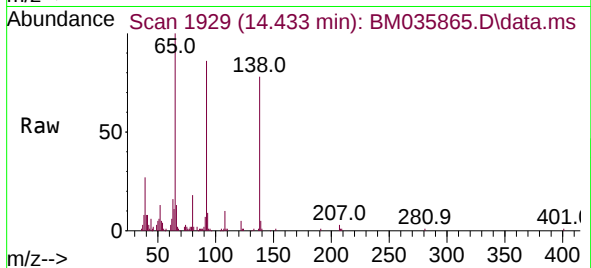
Tgt Ion:154 Resp: 181457
Ion Ratio Lower Upper
154 100
153 114.9 91.0 136.6
152 56.9 43.4 65.2





#53
3-Nitroaniline
Concen: 4.264 ng
RT: 14.433 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

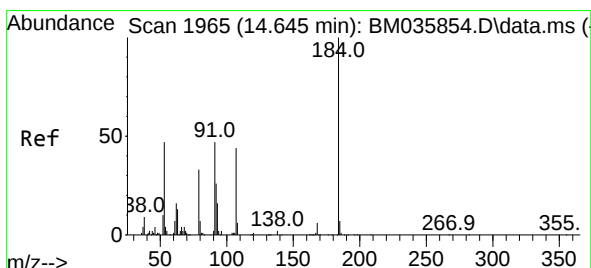
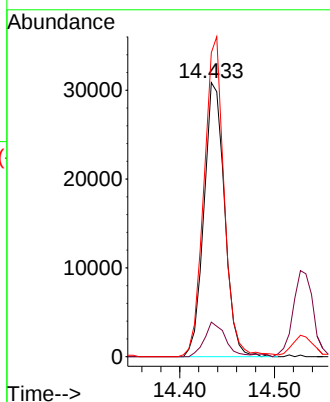
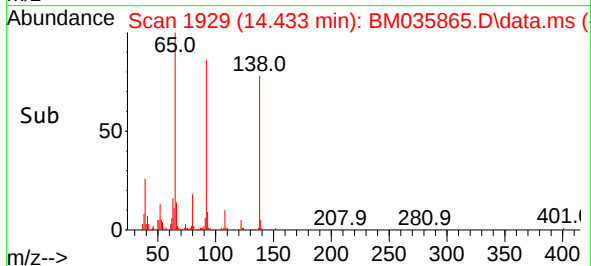
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:138 Resp: 46740
Ion Ratio Lower Upper
138 100
108 12.6 8.7 13.1
92 110.9 91.5 137.3

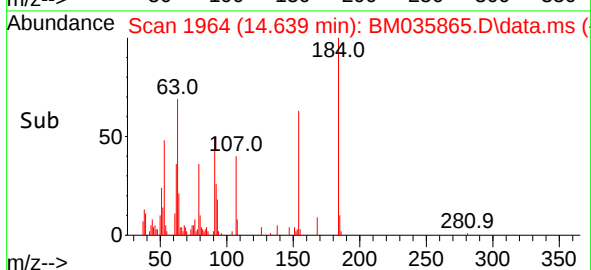
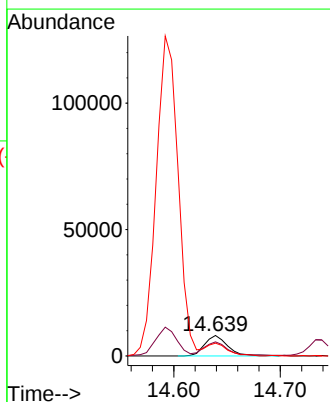
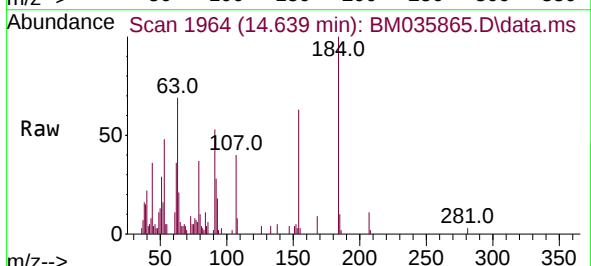
Manual Integrations
APPROVED

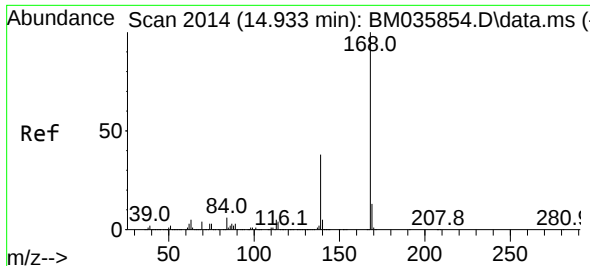
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#54
2,4-Dinitrophenol
Concen: 2.671 ng
RT: 14.639 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

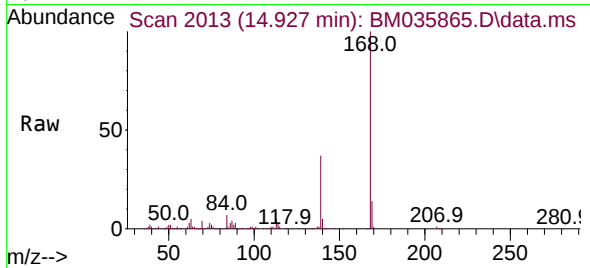
Tgt Ion:184 Resp: 11982
Ion Ratio Lower Upper
184 100
63 68.5 59.5 89.3
154 62.5 55.6 83.4





#55
Dibenzofuran
Concen: 5.132 ng
RT: 14.927 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

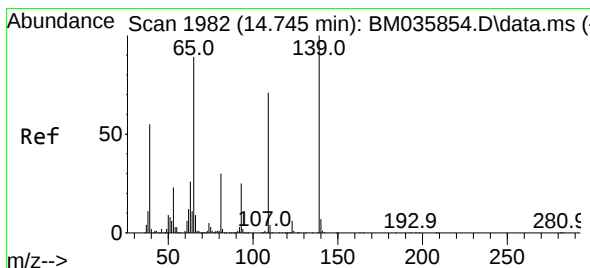
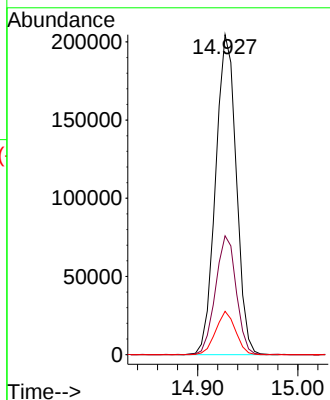
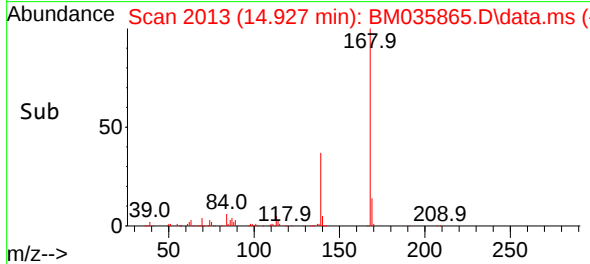
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:168 Resp: 293332
Ion Ratio Lower Upper
168 100
139 37.1 32.2 48.2
169 13.5 10.6 16.0

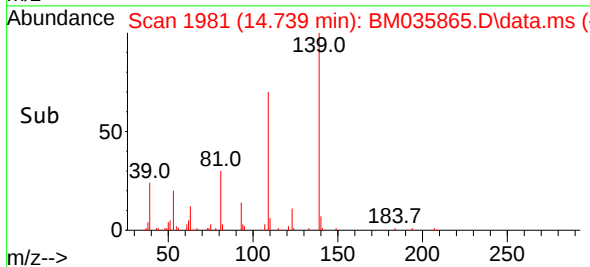
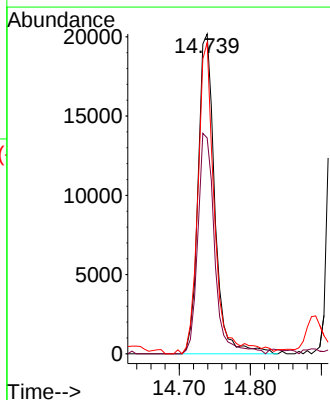
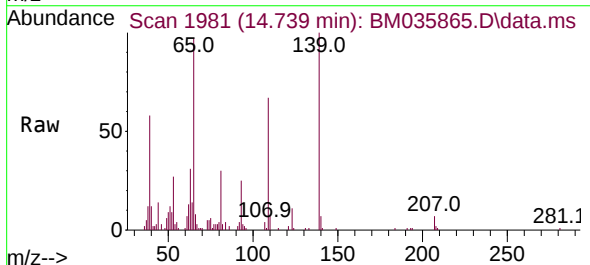
Manual Integrations
APPROVED

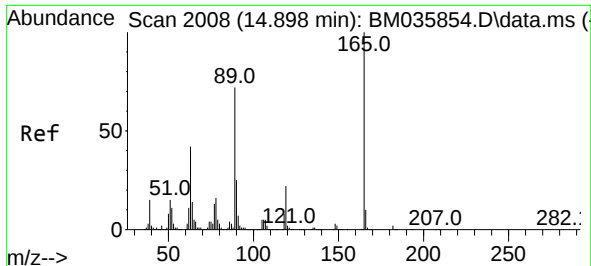
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#56
4-Nitrophenol
Concen: 3.809 ng
RT: 14.739 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

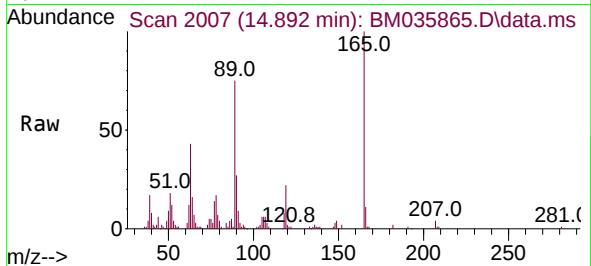
Tgt Ion:139 Resp: 32757
Ion Ratio Lower Upper
139 100
109 67.5 62.5 102.5
65 97.3 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 4.005 ng
RT: 14.892 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

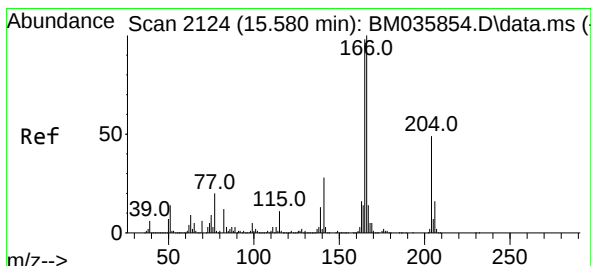
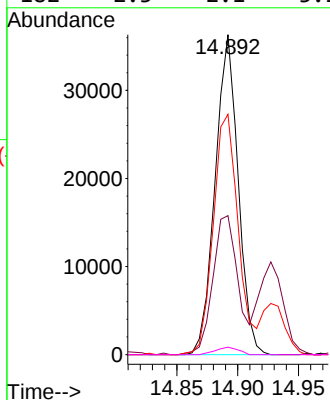
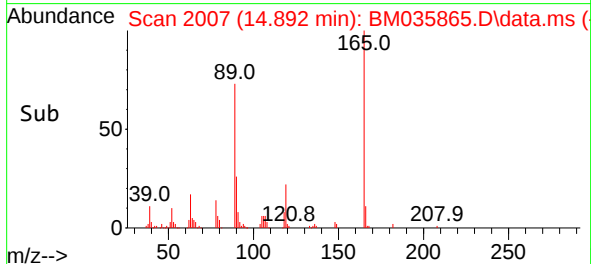
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:165 Resp: 4772
Ion Ratio Lower Upper
165 100
63 43.4 35.6 53.4
89 75.1 57.3 85.9
182 2.3 2.1 3.1

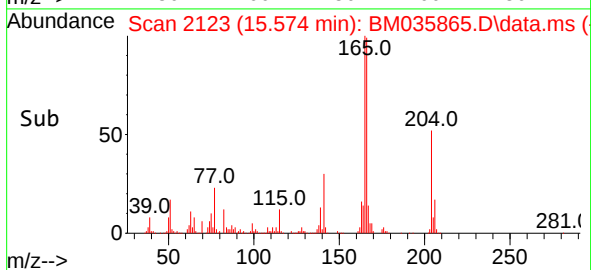
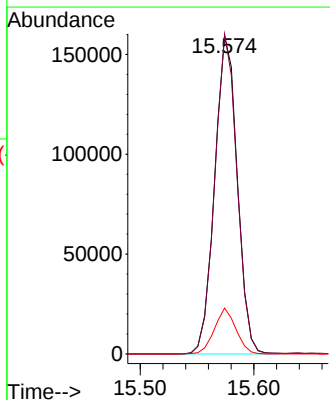
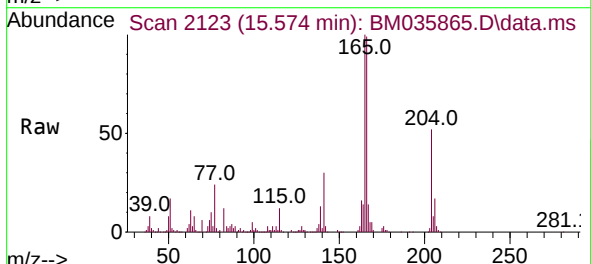
Manual Integrations
APPROVED

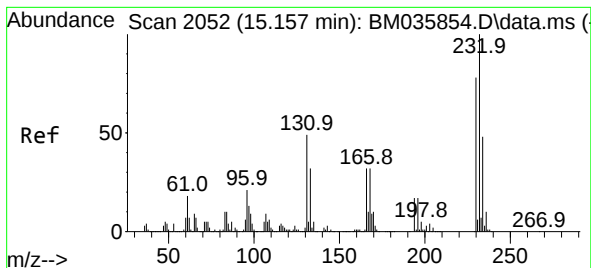
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#58
Fluorene
Concen: 4.907 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

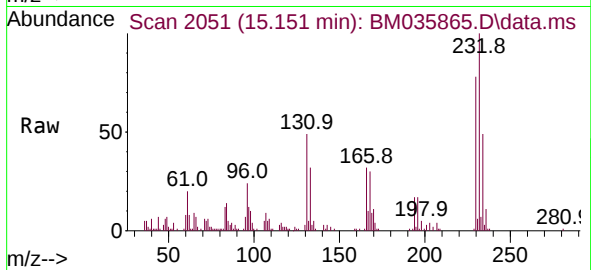
Tgt Ion:166 Resp: 220192
Ion Ratio Lower Upper
166 100
165 100.5 79.4 119.2
167 14.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.181 ng
RT: 15.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

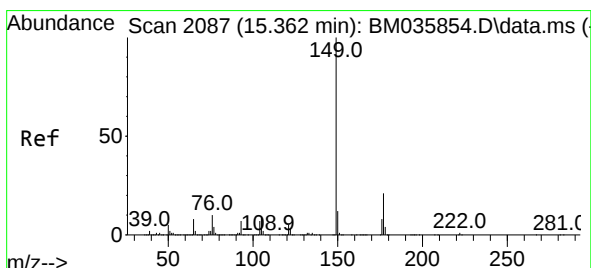
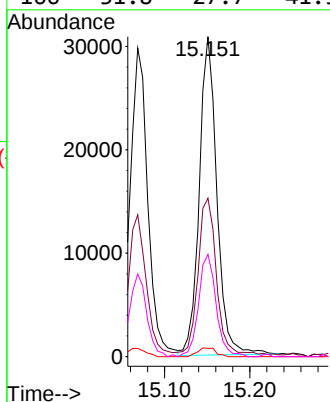
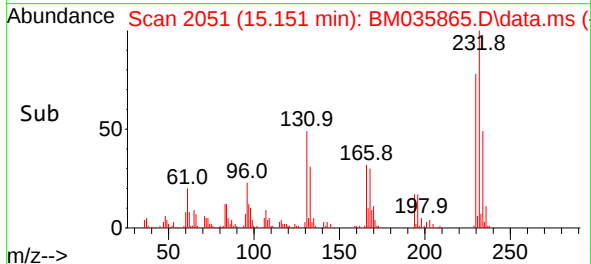
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



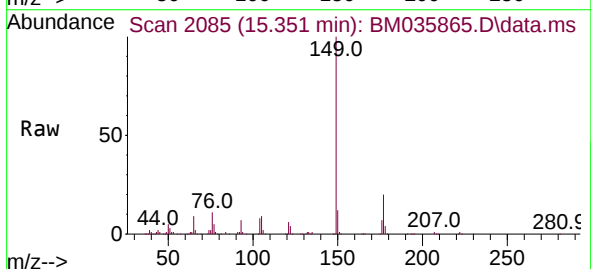
Tgt Ion:232 Resp: 44264
Ion Ratio Lower Upper
232 100
131 52.4 41.0 61.6
130 2.8 2.3 3.5
166 31.8 27.7 41.5

Manual Integrations
APPROVED

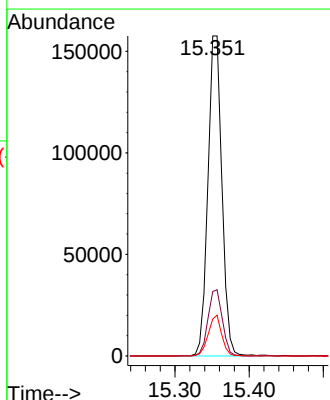
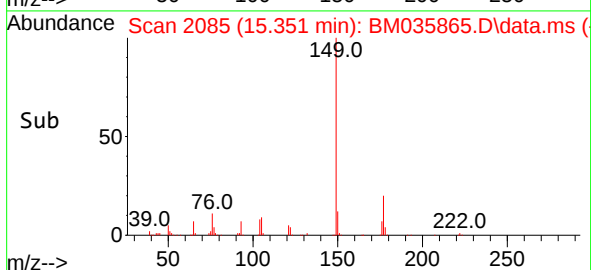
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

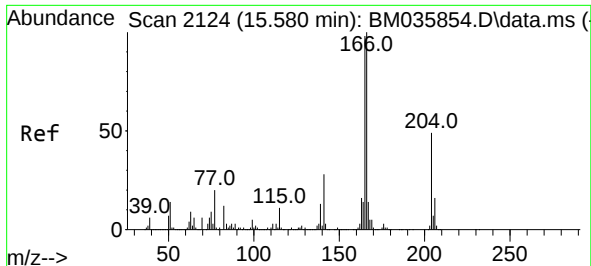


#60
Diethylphthalate
Concen: 4.786 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.012 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



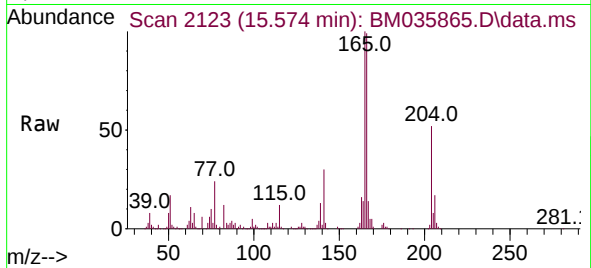
Tgt Ion:149 Resp: 206489
Ion Ratio Lower Upper
149 100
177 20.1 16.9 25.3
150 11.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 4.998 ng
RT: 15.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

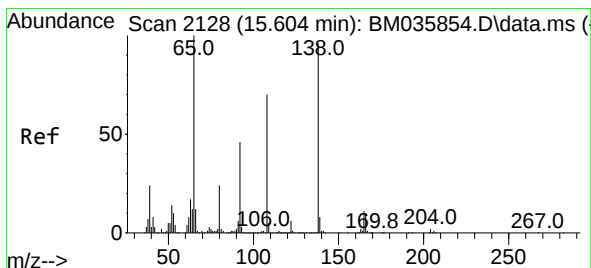
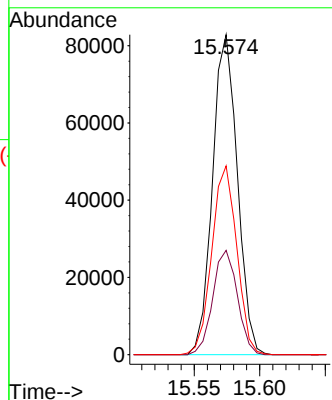
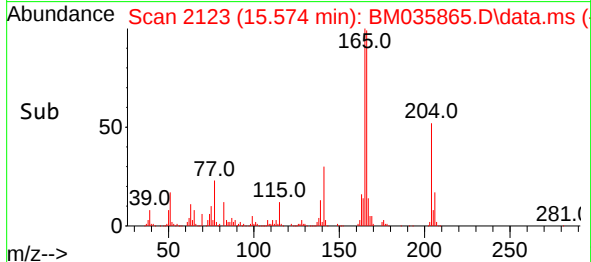
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:204 Resp: 109129
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 59.0 51.2 76.8

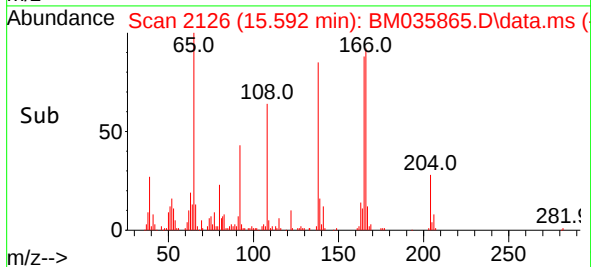
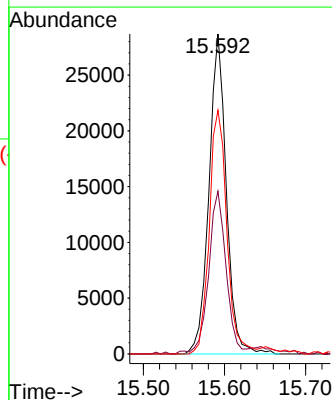
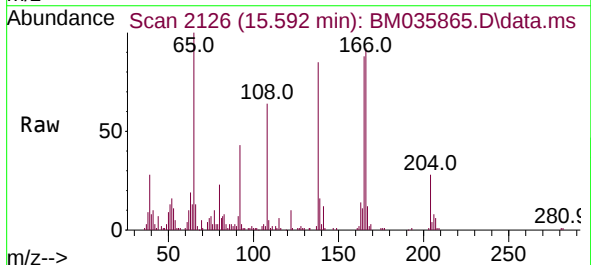
Manual Integrations
APPROVED

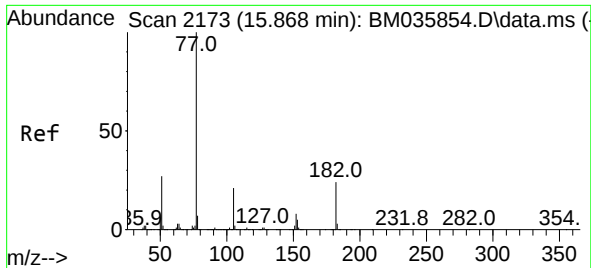
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#62
4-Nitroaniline
Concen: 3.799 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

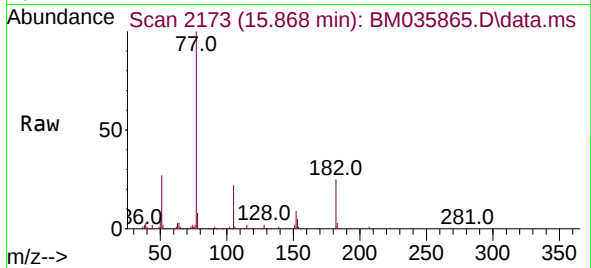
Tgt Ion:138 Resp: 42643
Ion Ratio Lower Upper
138 100
92 50.8 30.8 70.8
108 76.1 65.7 105.7





#63
Azobenzene
Concen: 4.615 ng
RT: 15.868 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

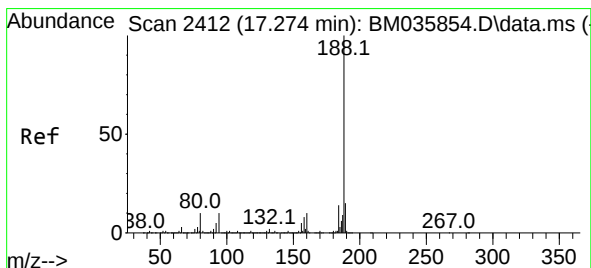
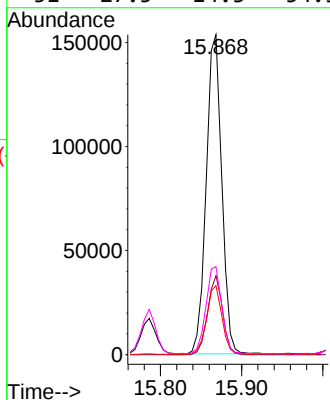
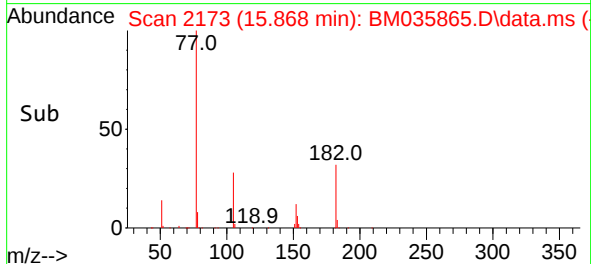
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



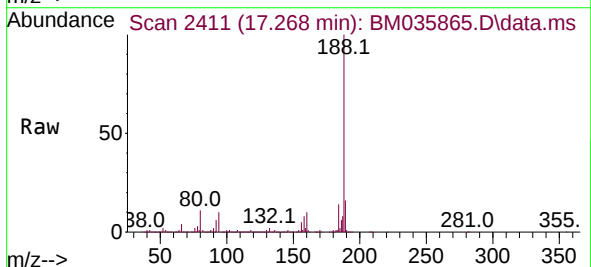
Tgt Ion: 77 Resp: 204426
Ion Ratio Lower Upper
77 100
182 24.6 4.9 44.9
105 21.5 0.0 39.6
51 27.5 14.3 54.3

Manual Integrations
APPROVED

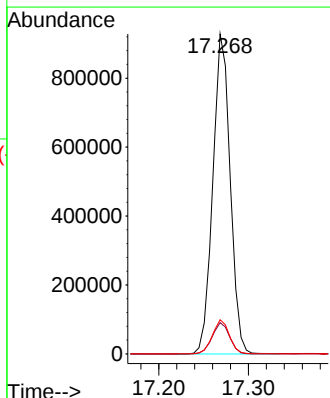
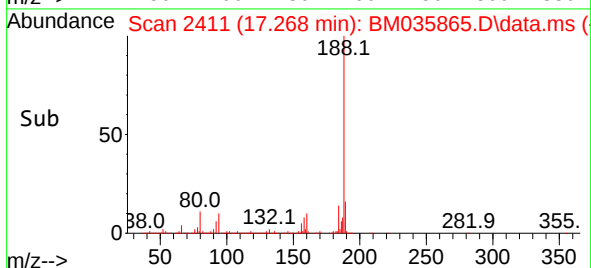
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

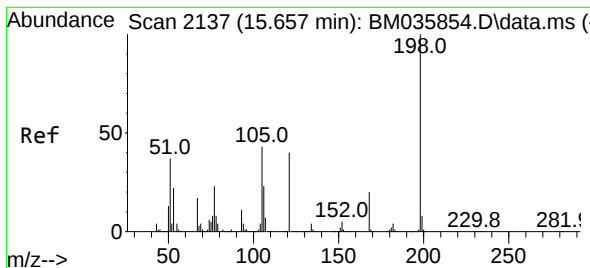


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion:188 Resp: 1249804
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.7 7.6 11.4





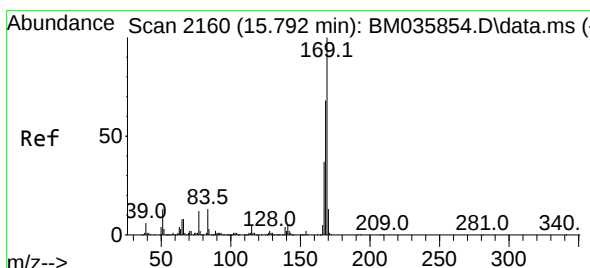
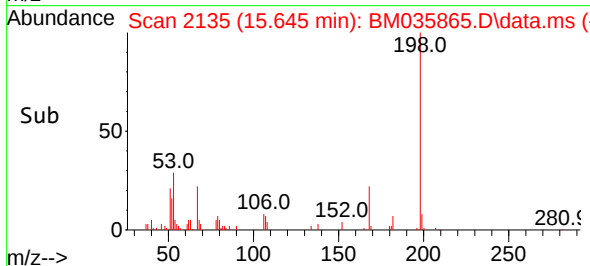
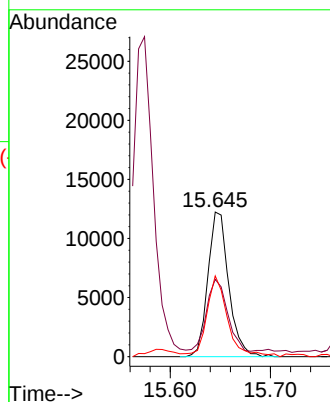
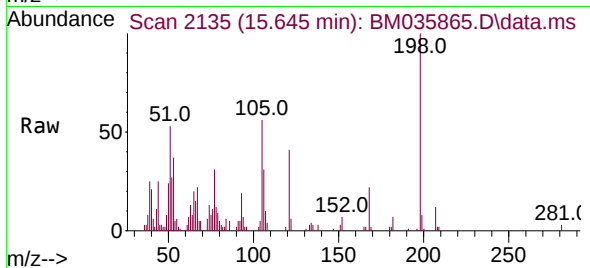
#65
4,6-Dinitro-2-methylphenol
Concen: 2.802 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:198 Resp: 17588
Ion Ratio Lower Upper
198 100
51 53.4 29.0 69.0
105 55.9 22.1 62.1

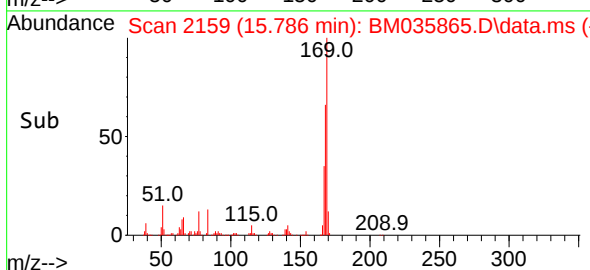
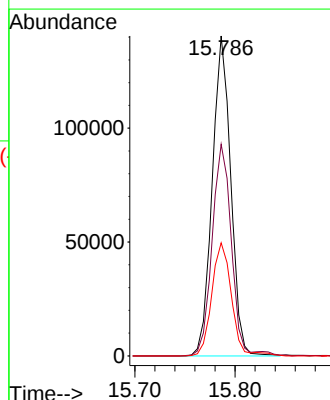
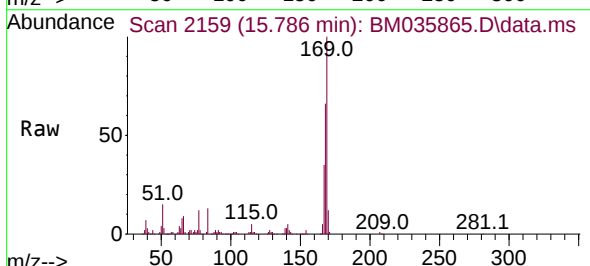
Manual Integrations
APPROVED

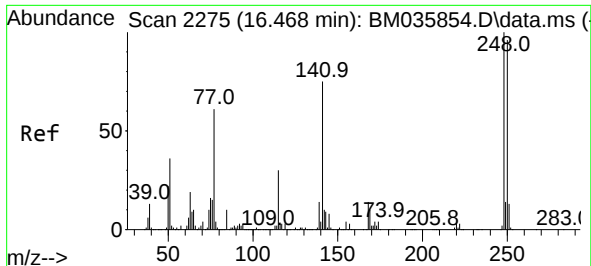
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#66
n-Nitrosodiphenylamine
Concen: 4.915 ng
RT: 15.786 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

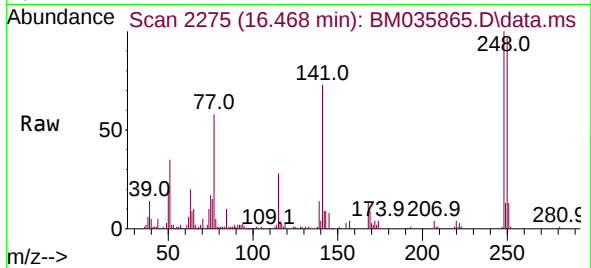
Tgt Ion:169 Resp: 180381
Ion Ratio Lower Upper
169 100
168 66.1 54.3 81.5
167 35.3 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 4.851 ng
RT: 16.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

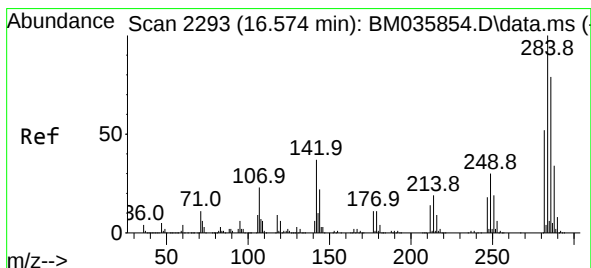
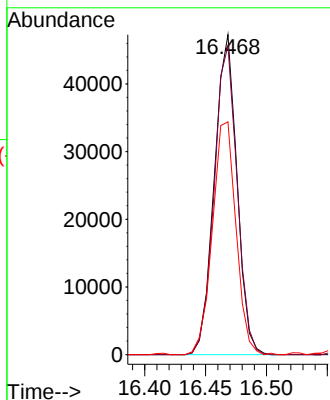
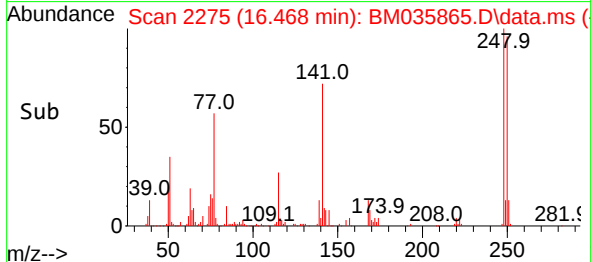
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



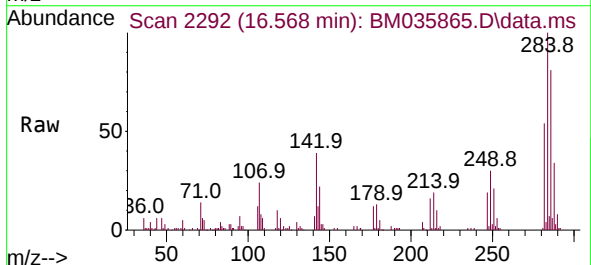
Tgt Ion:248 Resp: 6094
Ion Ratio Lower Upper
248 100
250 96.5 78.0 117.0
141 72.7 66.0 99.0

Manual Integrations
APPROVED

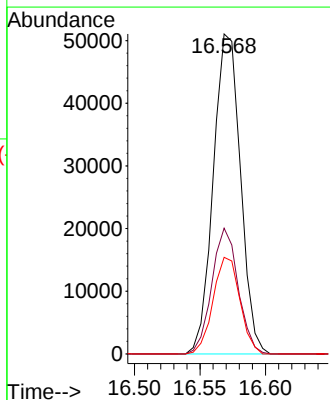
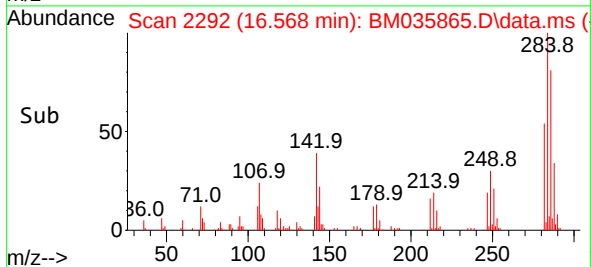
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

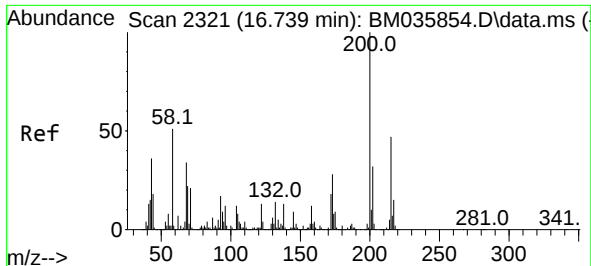


#68
Hexachlorobenzene
Concen: 5.058 ng
RT: 16.568 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



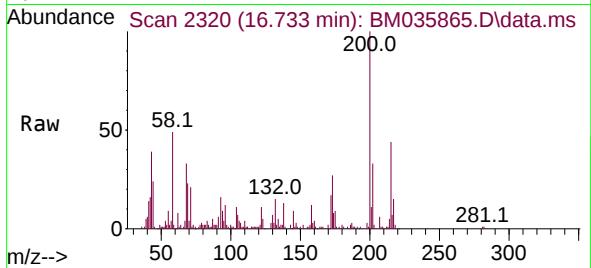
Tgt Ion:284 Resp: 73773
Ion Ratio Lower Upper
284 100
142 39.3 33.6 50.4
249 30.2 26.2 39.2





#69
 Atrazine
 Concen: 5.327 ng
 RT: 16.733 min Scan# 2321
 Delta R.T. -0.006 min
 Lab File: BM035865.D
 Acq: 19 Jul 2022 14:18

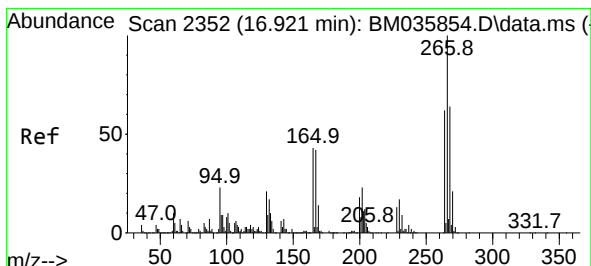
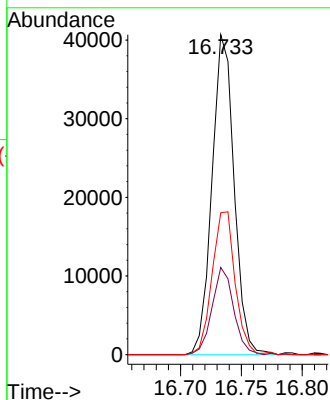
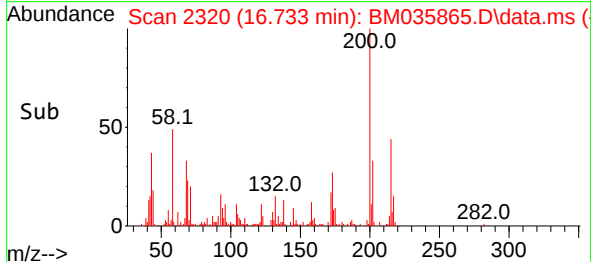
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



Tgt Ion:200 Resp: 51374
 Ion Ratio Lower Upper
 200 100
 173 27.2 6.6 46.6
 215 44.3 26.2 66.2

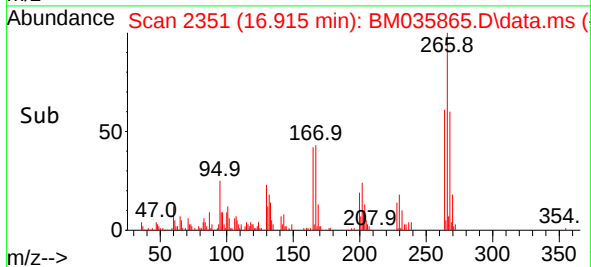
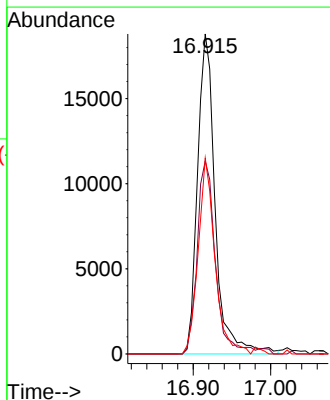
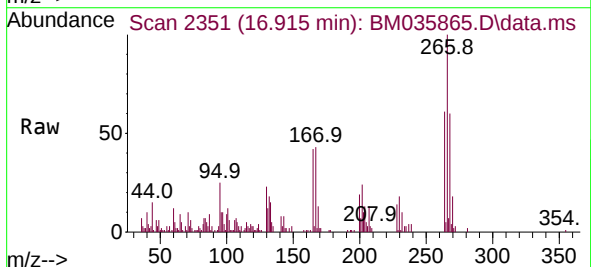
Manual Integrations
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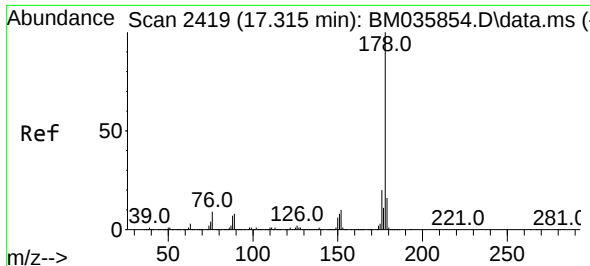
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022



#70
 Pentachlorophenol
 Concen: 3.667 ng
 RT: 16.915 min Scan# 2351
 Delta R.T. -0.006 min
 Lab File: BM035865.D
 Acq: 19 Jul 2022 14:18

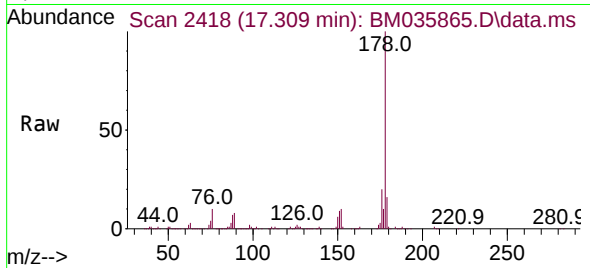
Tgt Ion:266 Resp: 29678
 Ion Ratio Lower Upper
 266 100
 268 60.3 51.9 77.9
 264 61.2 50.6 76.0





#71
Phenanthrene
Concen: 5.181 ng
RT: 17.309 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

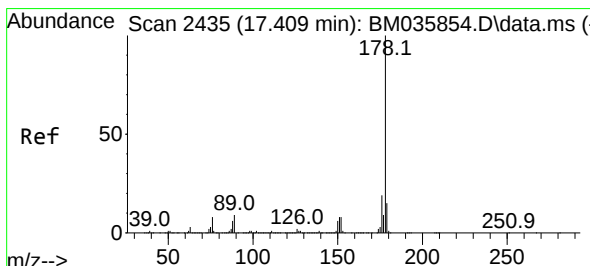
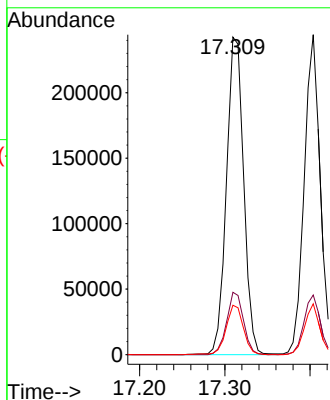
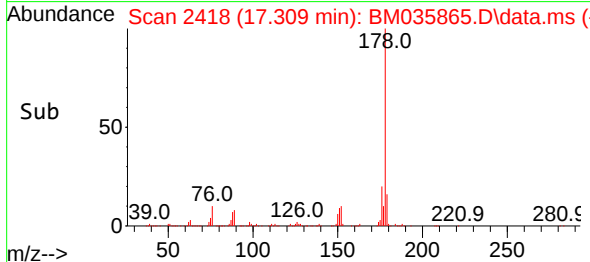
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



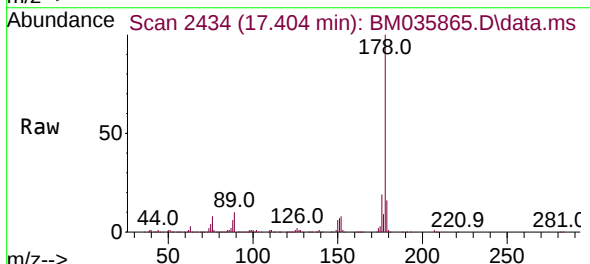
Tgt Ion:178 Resp: 340662
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.4 18.6

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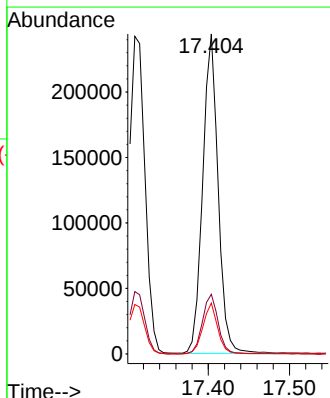
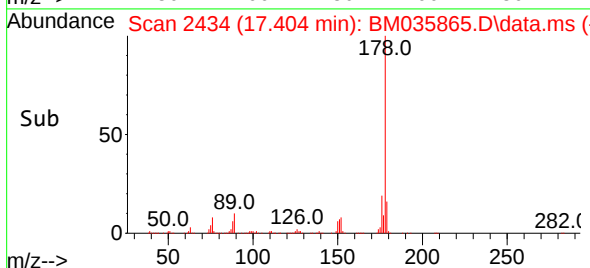
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

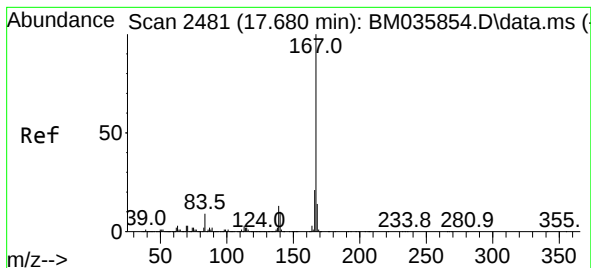


#72
Anthracene
Concen: 5.036 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion:178 Resp: 321862
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.9 12.2 18.2





#73

Carbazole

Concen: 4.581 ng

RT: 17.674 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM035865.D

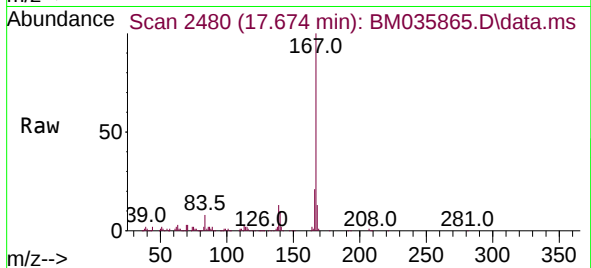
Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022



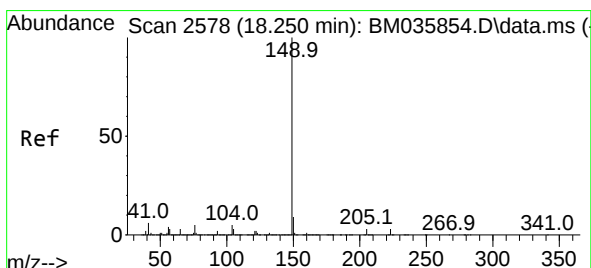
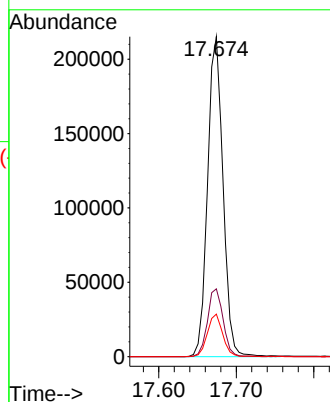
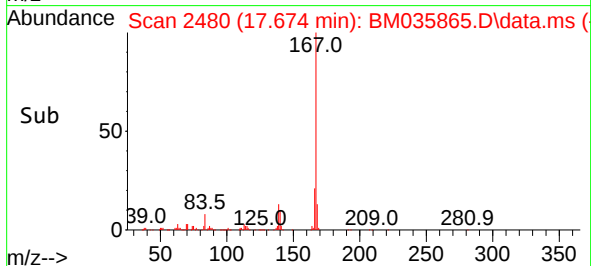
Tgt Ion:	167	Resp:	29695
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.8	26.8
139	13.3	10.9	16.3

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: 4.176 ng

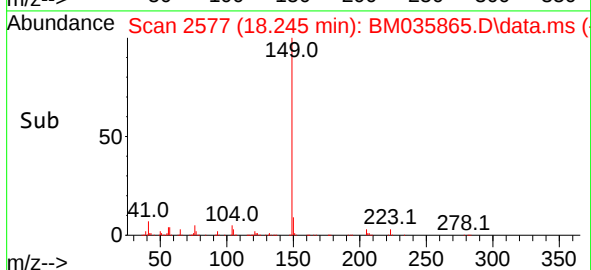
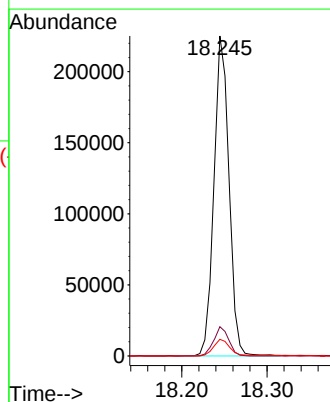
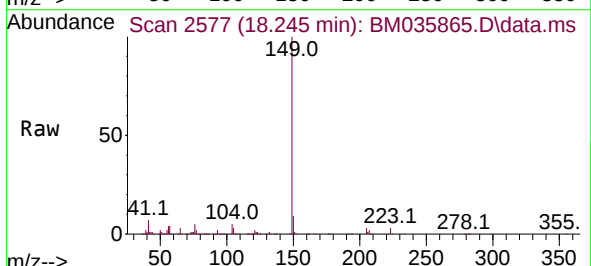
RT: 18.245 min Scan# 2577

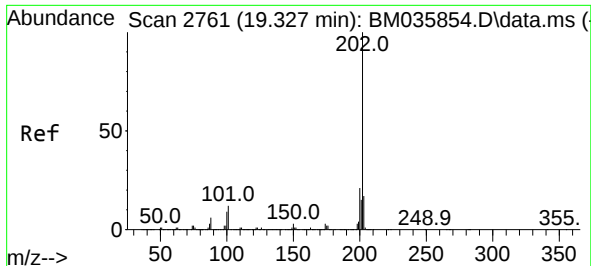
Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

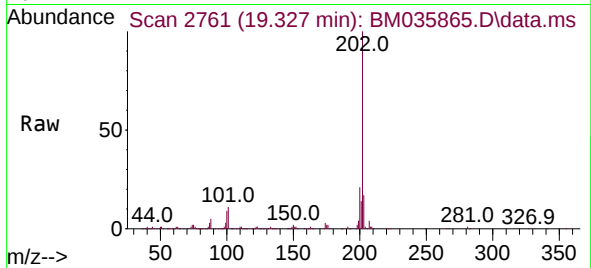
Tgt Ion:	149	Resp:	275640
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.3	10.9
104	5.2	4.3	6.5





#75
Fluoranthene
Concen: 4.705 ng
RT: 19.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

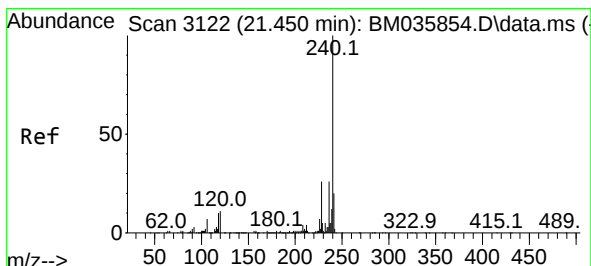
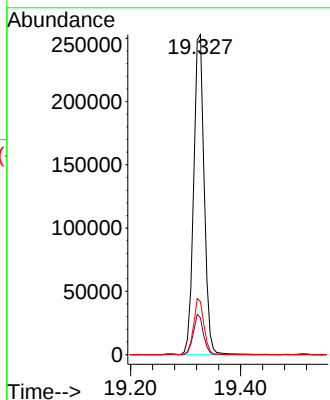
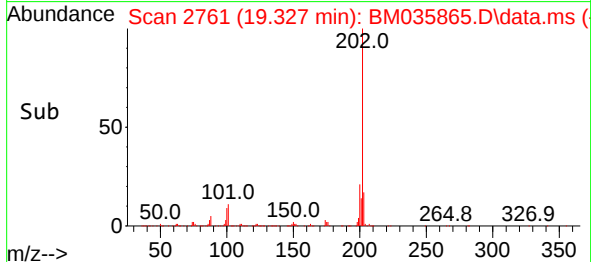
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:202 Resp: 336247
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.6
203 16.6 0.0 37.4

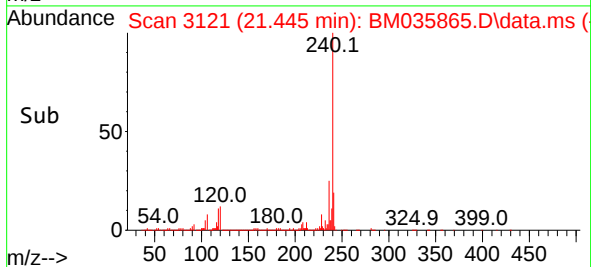
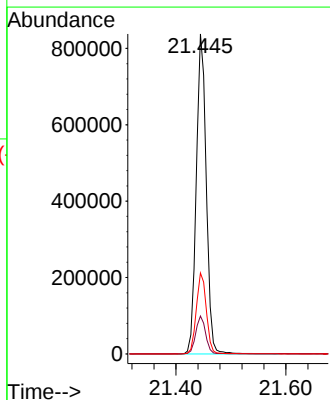
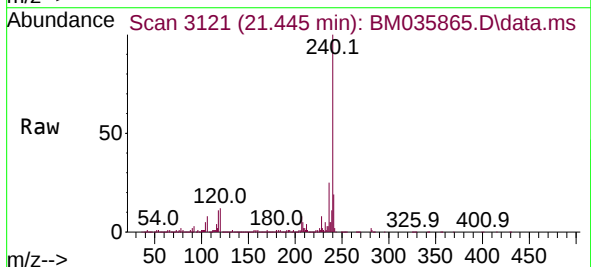
Manual Integrations
APPROVED

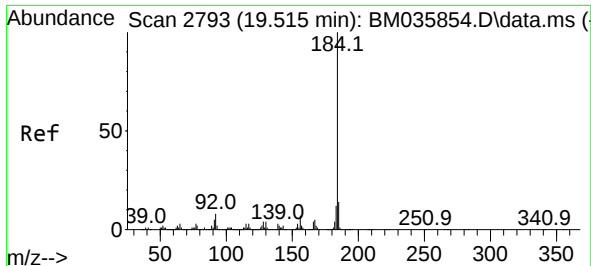
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

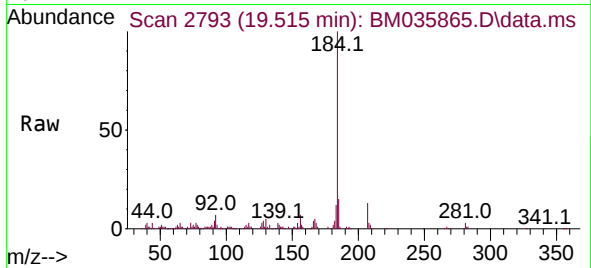
Tgt Ion:240 Resp: 1052457
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.0
236 25.3 20.6 30.8





#77
Benzidine
Concen: 6.773 ng
RT: 19.515 min Scan# 2793
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

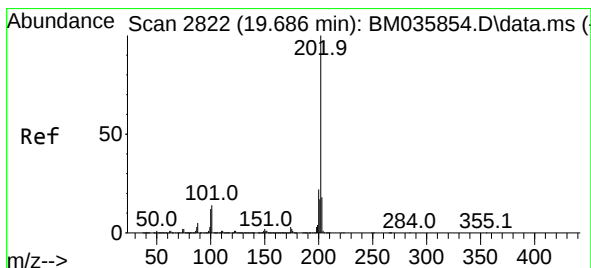
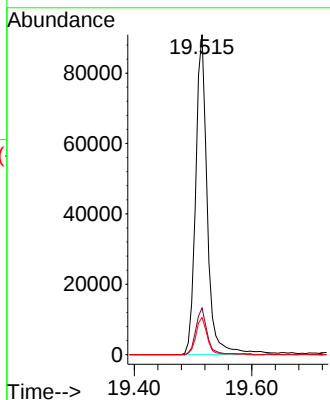
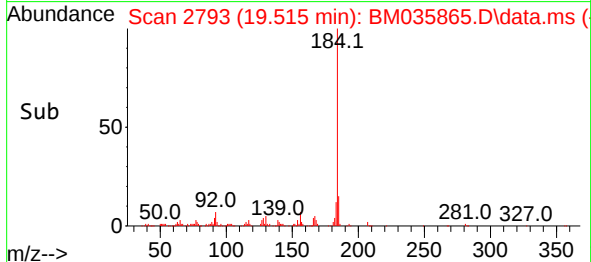
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:184 Resp: 125144
Ion Ratio Lower Upper
184 100
185 14.5 11.3 16.9
183 11.6 9.5 14.3

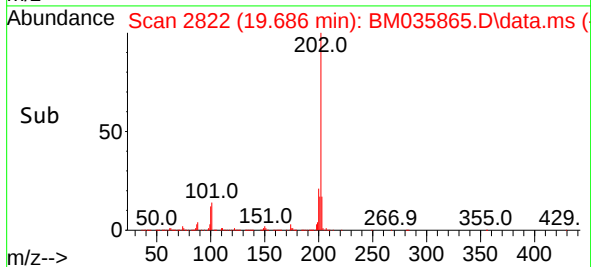
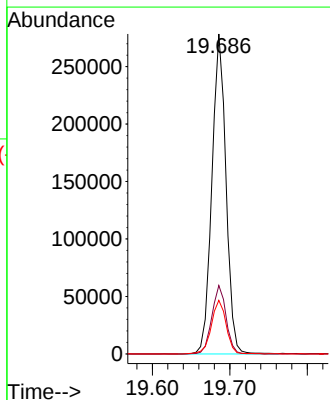
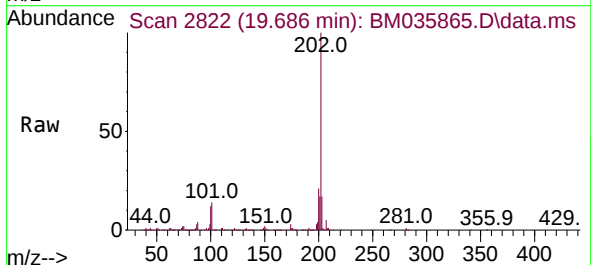
Manual Integrations
APPROVED

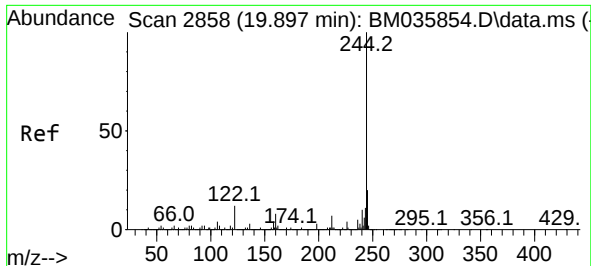
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#78
Pyrene
Concen: 5.101 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

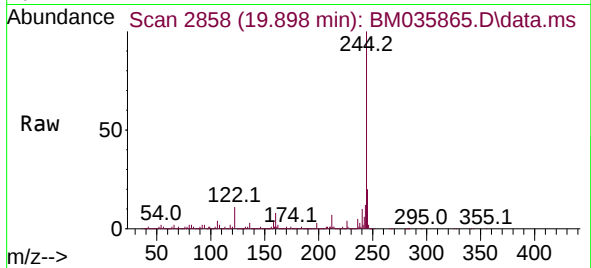
Tgt Ion:202 Resp: 351040
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 16.7 13.9 20.9





#79
 Terphenyl-d14
 Concen: 83.402 ng
 RT: 19.898 min Scan# 2858
 Delta R.T. 0.000 min
 Lab File: BM035865.D
 Acq: 19 Jul 2022 14:18

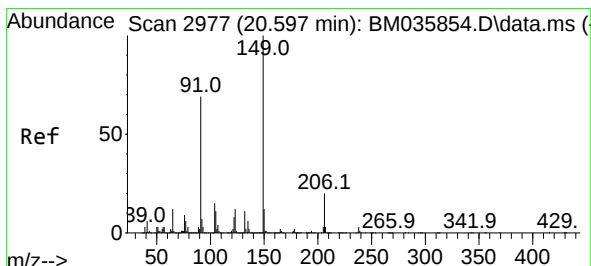
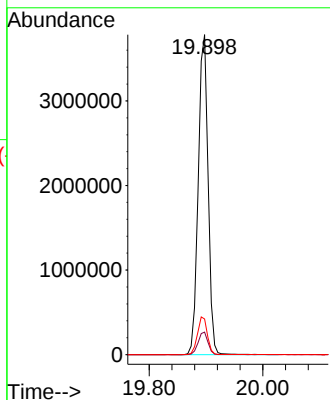
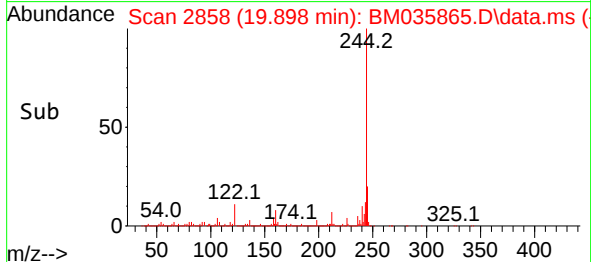
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



Tgt Ion:244 Resp: 451144
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.4
 122 11.1 8.3 12.5

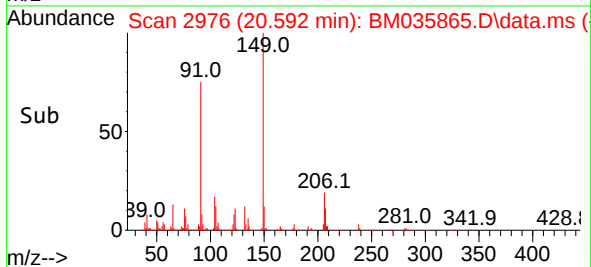
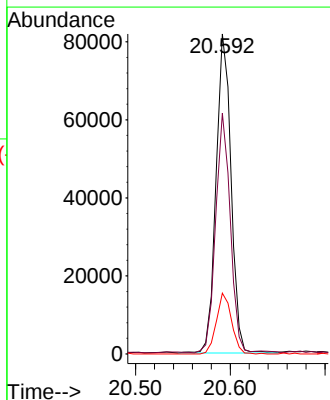
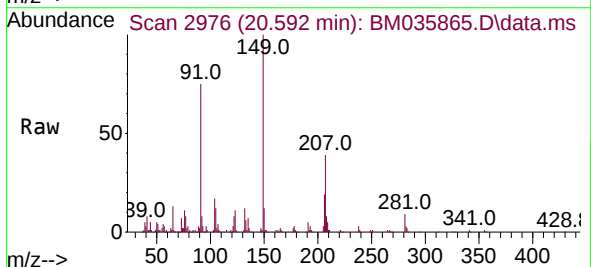
Manual Integrations
 APPROVED

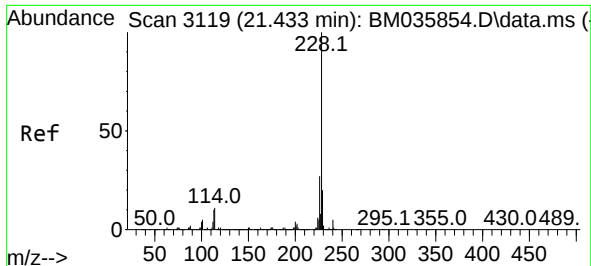
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022



#80
 Butylbenzylphthalate
 Concen: 3.658 ng
 RT: 20.592 min Scan# 2976
 Delta R.T. -0.006 min
 Lab File: BM035865.D
 Acq: 19 Jul 2022 14:18

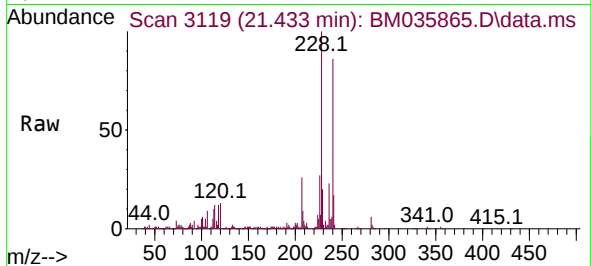
Tgt Ion:149 Resp: 89866
 Ion Ratio Lower Upper
 149 100
 91 75.2 56.6 85.0
 206 19.0 15.4 23.0





#81
Benzo(a)anthracene
Concen: 4.929 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

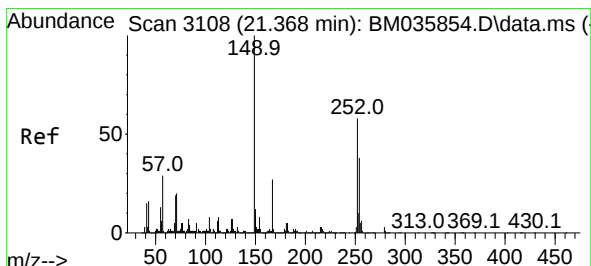
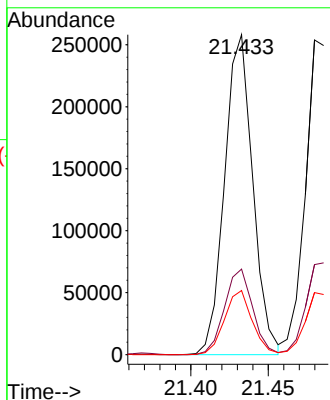
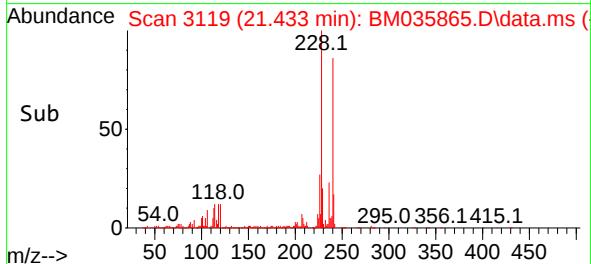
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:228 Resp: 328364
Ion Ratio Lower Upper
228 100
226 26.7 22.3 33.5
229 20.0 15.8 23.6

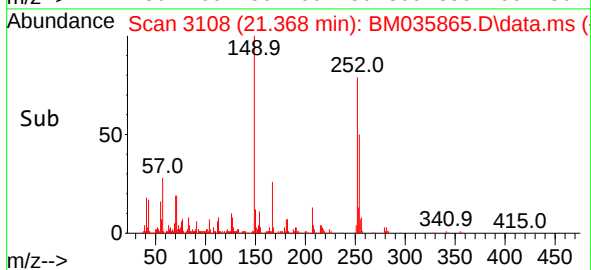
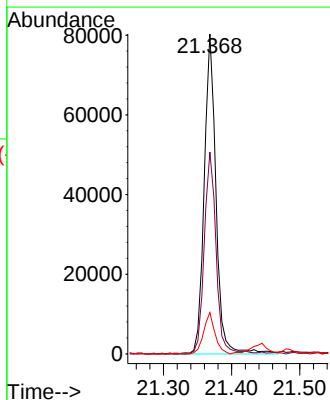
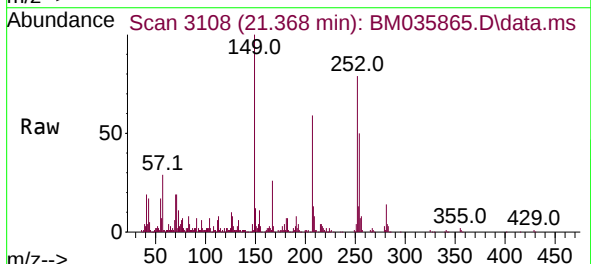
Manual Integrations
APPROVED

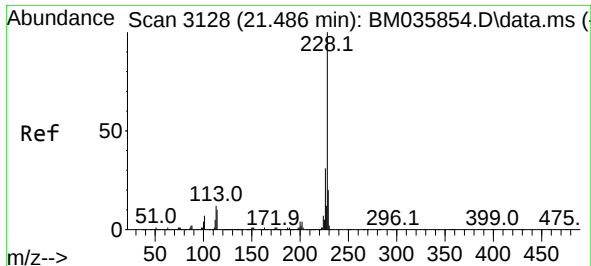
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#82
3,3'-Dichlorobenzidine
Concen: 6.214 ng
RT: 21.368 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

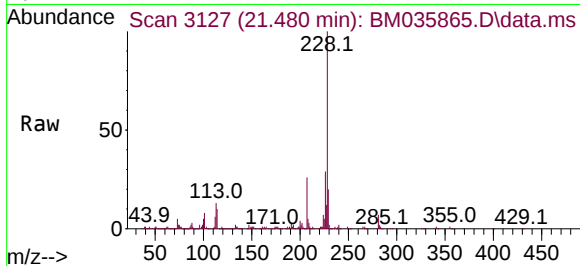
Tgt Ion:252 Resp: 96977
Ion Ratio Lower Upper
252 100
254 63.1 51.7 77.5
126 12.9 9.4 14.0





#83
Chrysene
Concen: 4.996 ng
RT: 21.480 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

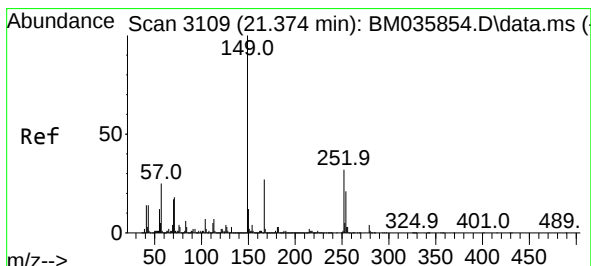
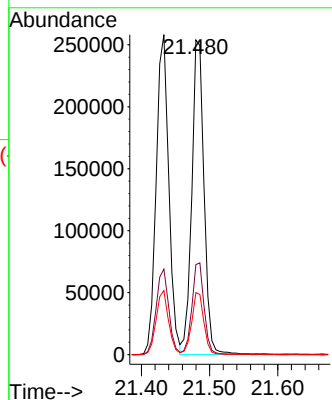
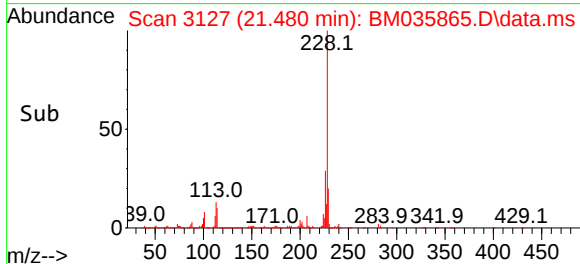
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



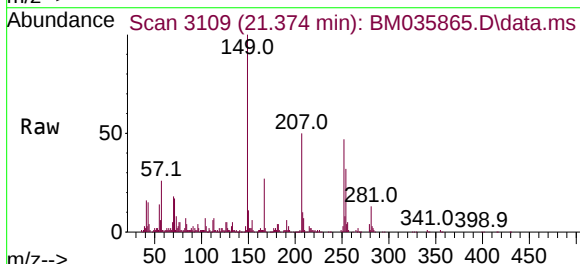
Tgt Ion:228 Resp: 31761
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 19.7 15.8 23.8

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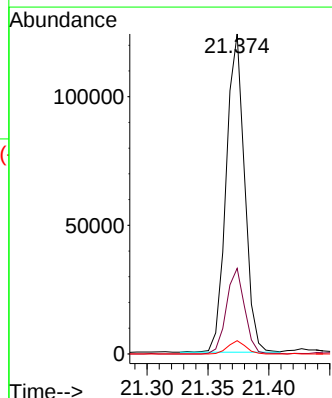
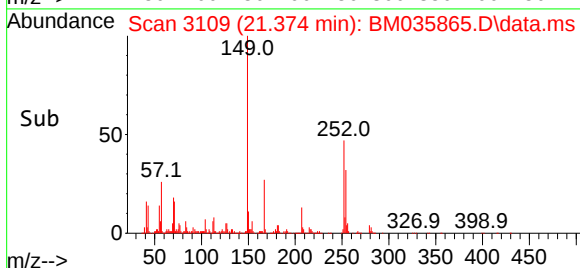
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

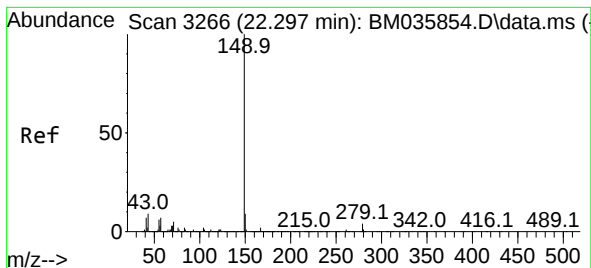


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.737 ng
RT: 21.374 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



Tgt Ion:149 Resp: 129384
Ion Ratio Lower Upper
149 100
167 26.7 21.1 31.7
279 4.1 2.8 4.2





#85

Di-n-octyl phthalate

Concen: 3.492 ng

RT: 22.292 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:149 Resp: 191806

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

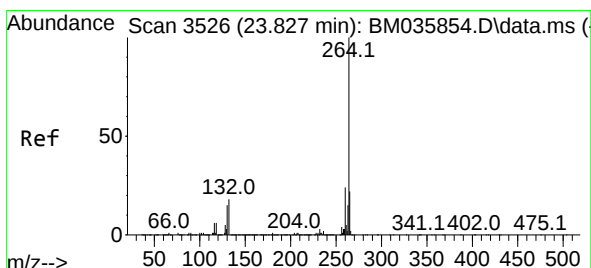
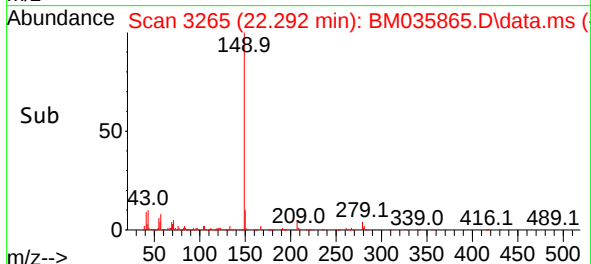
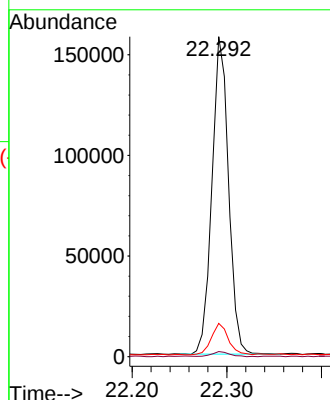
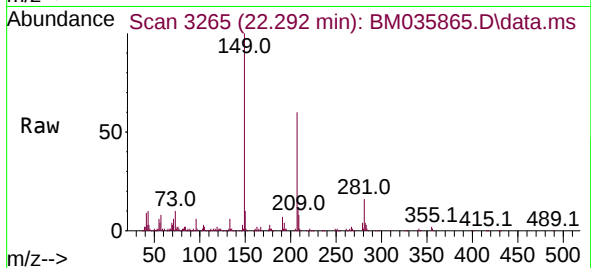
43 10.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 3525

Delta R.T. -0.006 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

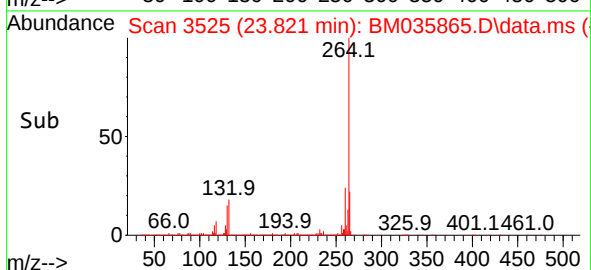
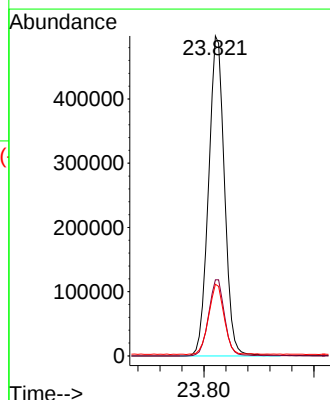
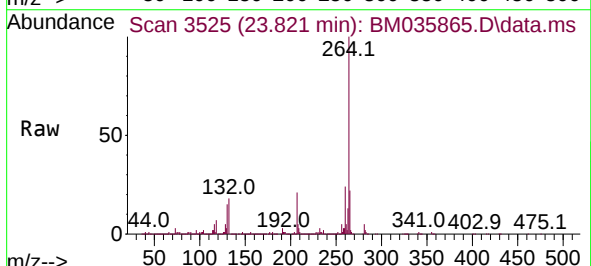
Tgt Ion:264 Resp: 1000414

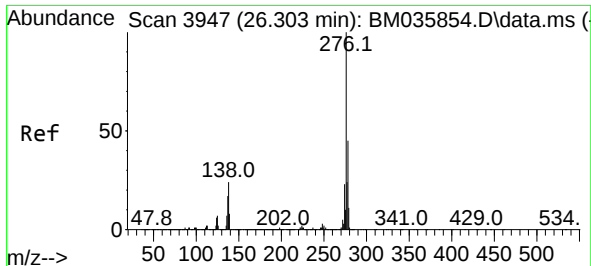
Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

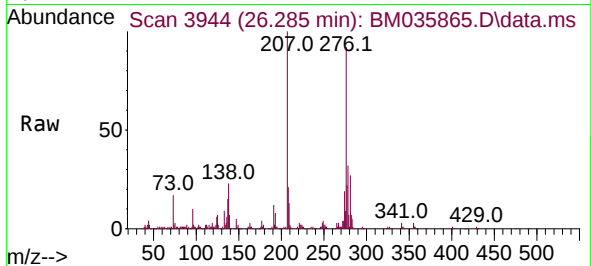
265 22.4 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.441 ng
RT: 26.285 min Scan# 3947
Delta R.T. -0.018 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

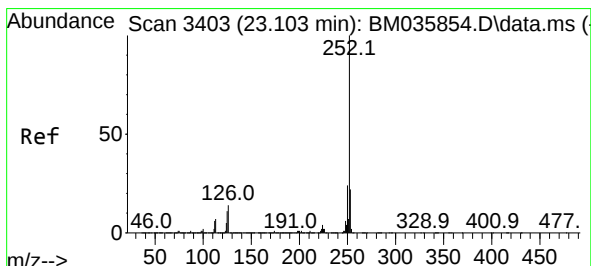
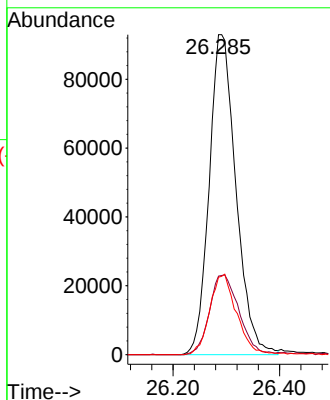
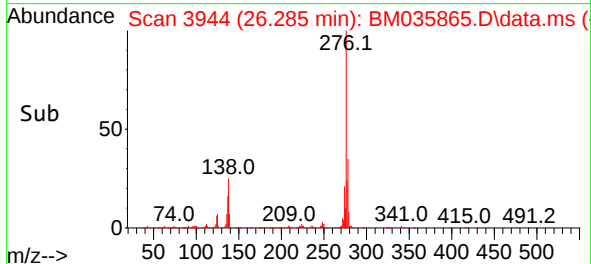
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2022



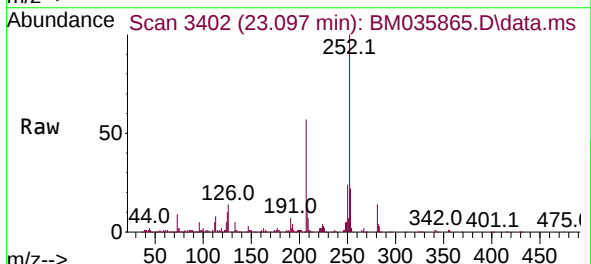
Tgt Ion:276 Resp: 324607
Ion Ratio Lower Upper
276 100
138 27.4 20.2 30.4
277 25.1 20.2 30.2

Manual Integrations
APPROVED

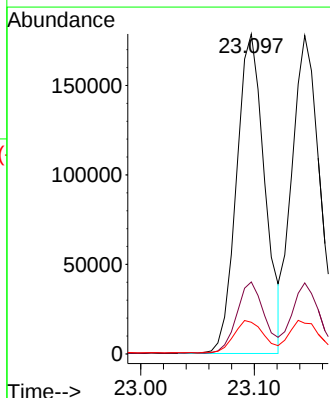
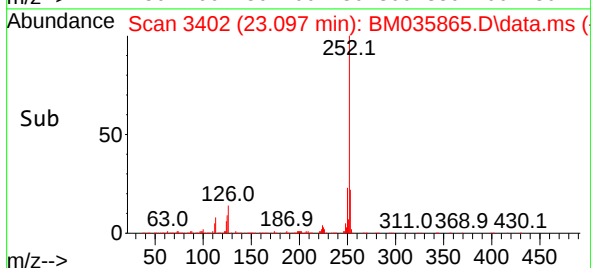
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

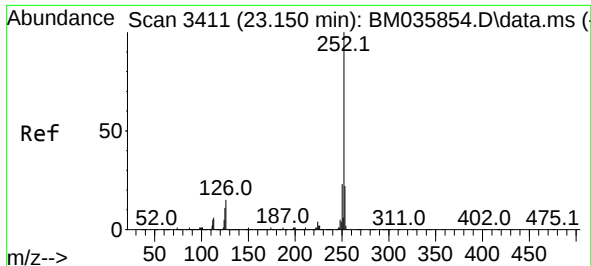


#88
Benzo(b)fluoranthene
Concen: 5.181 ng
RT: 23.097 min Scan# 3402
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18



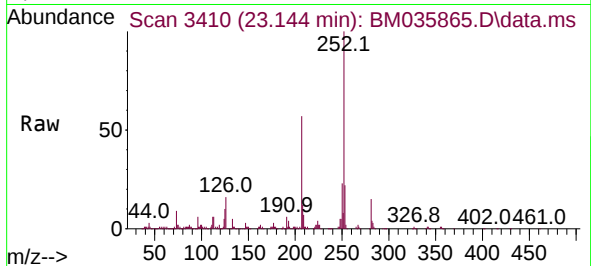
Tgt Ion:252 Resp: 308551
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.9 7.6 11.4





#89
Benzo(k)fluoranthene
Concen: 4.993 ng
RT: 23.144 min Scan# 3411
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

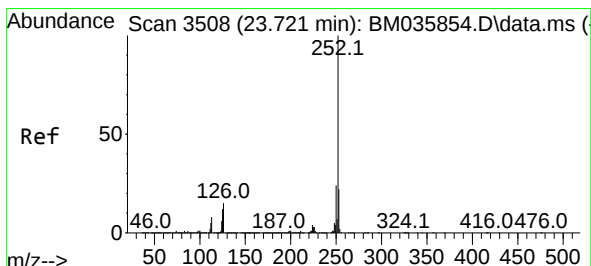
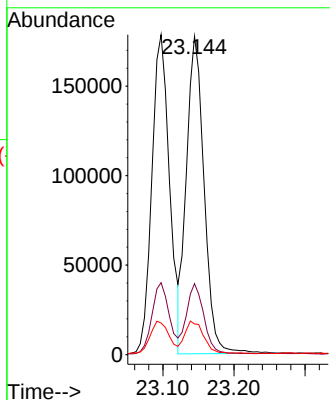
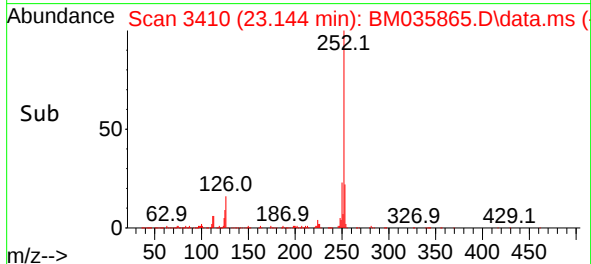
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2022



Tgt Ion:252 Resp: 307691
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.6 7.6 11.4

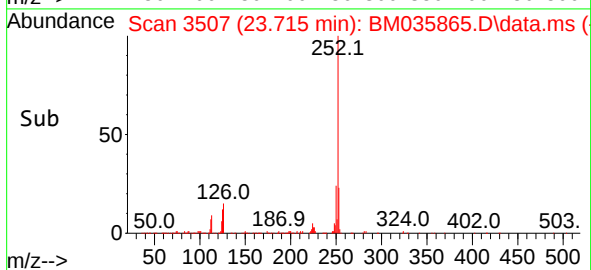
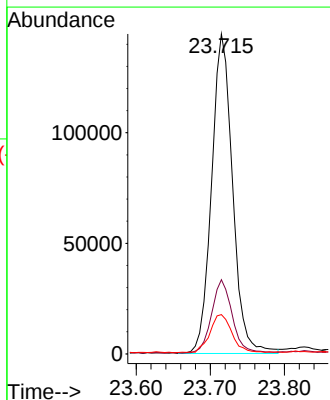
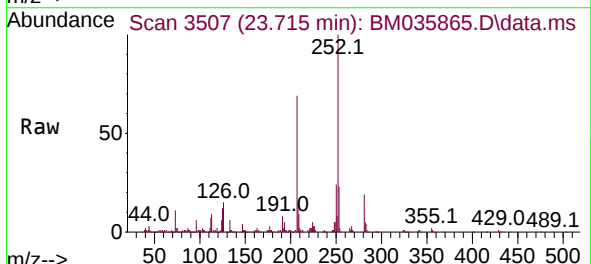
Manual Integrations
APPROVED

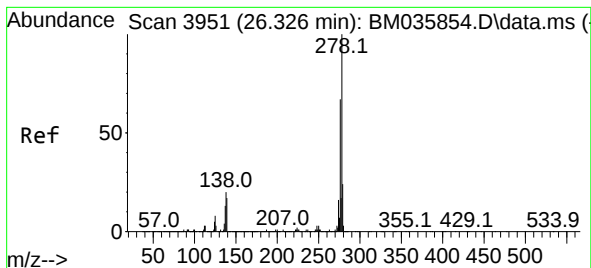
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#90
Benzo(a)pyrene
Concen: 5.614 ng
RT: 23.715 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BM035865.D
Acq: 19 Jul 2022 14:18

Tgt Ion:252 Resp: 284573
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 12.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.775 ng

RT: 26.315 min Scan# 3951

Delta R.T. -0.012 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2022

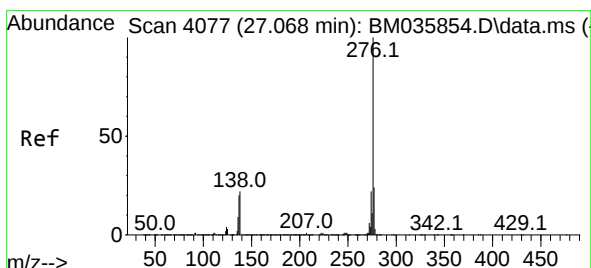
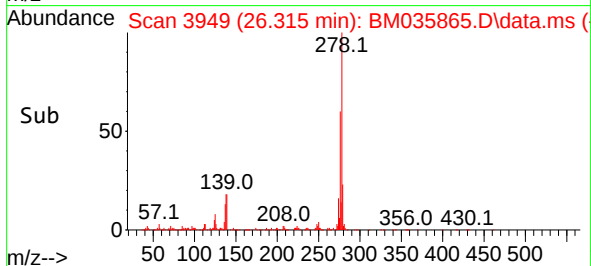
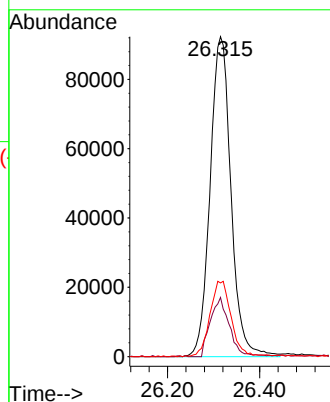
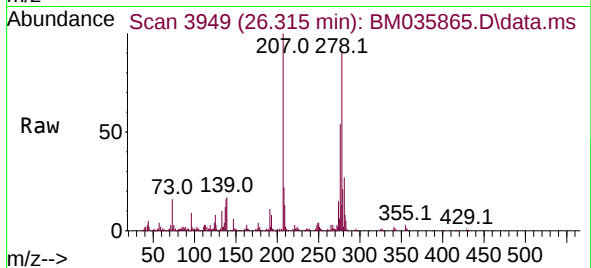
Tgt Ion:	278	Resp:	290053
Ion Ratio	Lower	Upper	
278	100		
139	18.5	12.9	19.3
279	23.0	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#92

Benzo(g,h,i)perylene

Concen: 4.819 ng

RT: 27.050 min Scan# 4074

Delta R.T. -0.018 min

Lab File: BM035865.D

Acq: 19 Jul 2022 14:18

Tgt Ion:	276	Resp:	288671
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.7	28.1
138	22.2	17.6	26.4

