

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
 Data File : BM034255.D
 Acq On : 16 Mar 2022 12:27
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 5ppn
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 16 13:06:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	172990	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	687673	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	437627	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	796924	20.000	ng	0.00
76) Chrysene-d12	21.495	240	651244	20.000	ng	0.00
86) Perylene-d12	23.906	264	682467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	980043	101.634	ng	0.00
7) Phenol-d6	7.101	99	1323027	95.827	ng	0.00
23) Nitrobenzene-d5	9.107	82	975915	69.094	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	541581	91.814	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2188659	68.341	ng	0.00
79) Terphenyl-d14	19.942	244	2617385	69.835	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.361	88	21749	4.985	ng	96
3) Pyridine	3.772	79	46576	3.945	ng	# 90
4) n-Nitrosodimethylamine	3.672	42	24382	4.349	ng	# 91
6) Aniline	7.266	93	75996	4.817	ng	98
8) 2-Chlorophenol	7.507	128	50810	4.505	ng	97
9) Benzaldehyde	7.078	77	48204m	6.480	ng	
10) Phenol	7.131	94	61156	4.454	ng	97
11) bis(2-Chloroethyl)ether	7.366	93	51428	4.563	ng	98
12) 1,3-Dichlorobenzene	7.837	146	59803	4.674	ng	99
13) 1,4-Dichlorobenzene	7.984	146	60870	4.647	ng	97
14) 1,2-Dichlorobenzene	8.301	146	57620	4.513	ng	99
15) Benzyl Alcohol	8.184	79	41794	3.804	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.478	45	70775	4.576	ng	97
17) 2-Methylphenol	8.390	107	39344	4.091	ng	96
18) Hexachloroethane	9.037	117	21999	4.554	ng	95
19) n-Nitroso-di-n-propyla...	8.754	70	41972	4.203	ng	97
20) 3+4-Methylphenols	8.719	107	51838	3.897	ng	94
22) Acetophenone	8.772	105	81469	4.616	ng	# 96
24) Nitrobenzene	9.148	77	67964	5.154	ng	99
25) Isophorone	9.678	82	108544	4.592	ng	99
26) 2-Nitrophenol	9.872	139	21362	3.653	ng	94
27) 2,4-Dimethylphenol	9.931	122	43377	4.737	ng	100
28) bis(2-Chloroethoxy)met...	10.166	93	66037	4.364	ng	97
29) 2,4-Dichlorophenol	10.407	162	42024	3.950	ng	98
30) 1,2,4-Trichlorobenzene	10.625	180	53700	4.440	ng	97
31) Naphthalene	10.807	128	163477	4.563	ng	100
32) Benzoic acid	9.984	122	14332m	1.893	ng	
33) 4-Chloroaniline	10.919	127	52541	3.718	ng	98
34) Hexachlorobutadiene	11.107	225	34073	4.448	ng	97
35) Caprolactam	11.666	113	10834	2.929	ng	99
36) 4-Chloro-3-methylphenol	12.036	107	44025	3.611	ng	97
37) 2-Methylnaphthalene	12.419	142	113118	4.425	ng	99
38) 1-Methylnaphthalene	12.636	142	111728	4.468	ng	98
40) 1,2,4,5-Tetrachloroben...	12.789	216	62354	4.721	ng	99
41) Hexachlorocyclopentadiene	12.778	237	39747	5.198	ng	95
43) 2,4,6-Trichlorophenol	13.025	196	34443	3.778	ng	97

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Instrument :
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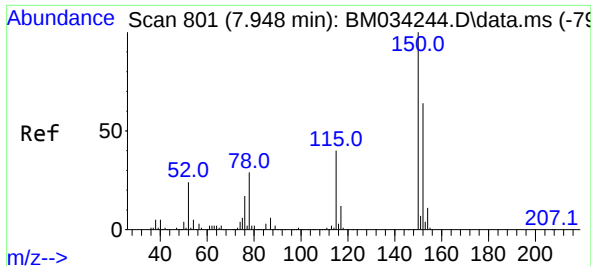
Quant Time: Mar 16 13:06:23 2022
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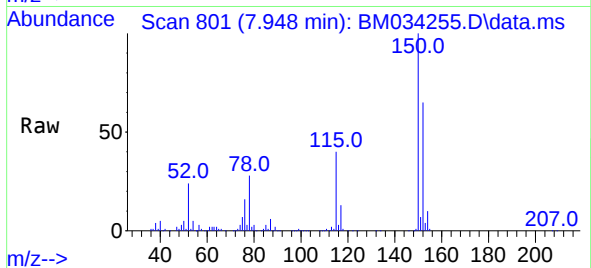
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	36329	3.712	ng	97
46) 1,1'-Biphenyl	13.425	154	156005	4.675	ng	100
47) 2-Chloronaphthalene	13.466	162	113507	4.432	ng	99
48) 2-Nitroaniline	13.660	65	25256	3.225	ng	94
49) Acenaphthylene	14.307	152	180537	4.522	ng	99
50) Dimethylphthalate	14.036	163	139360	4.184	ng	98
51) 2,6-Dinitrotoluene	14.154	165	26923	3.941	ng	93
52) Acenaphthene	14.648	154	113014	4.203	ng	99
53) 3-Nitroaniline	14.483	138	19191	2.800	ng	94
54) 2,4-Dinitrophenol	14.683	184	7376	1.927	ng	87
55) Dibenzofuran	14.983	168	171003	4.267	ng	98
56) 4-Nitrophenol	14.789	139	10283	1.851	ng	92
57) 2,4-Dinitrotoluene	14.936	165	29124	3.154	ng	94
58) Fluorene	15.630	166	134290	4.128	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	30648	3.473	ng	98
60) Diethylphthalate	15.401	149	132832	3.887	ng	98
61) 4-Chlorophenyl-phenyle...	15.624	204	69813	4.203	ng	99
62) 4-Nitroaniline	15.636	138	15251m	2.313	ng	
63) Azobenzene	15.919	77	125686	3.814	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	13402	2.586	ng	96
66) n-Nitrosodiphenylamine	15.836	169	109359	4.319	ng	99
67) 4-Bromophenyl-phenylether	16.519	248	39150	4.273	ng	96
68) Hexachlorobenzene	16.636	284	46628	4.563	ng	98
69) Atrazine	16.783	200	34708	4.159	ng	98
70) Pentachlorophenol	16.971	266	21927m	3.356	ng	
71) Phenanthrene	17.366	178	196614	4.405	ng	99
72) Anthracene	17.460	178	182716	4.206	ng	98
73) Carbazole	17.724	167	130258	3.215	ng	98
74) Di-n-butylphthalate	18.295	149	178102	3.536	ng	98
75) Fluoranthene	19.377	202	195941	3.916	ng	98
77) Benzidine	19.595	184	40526m	4.246	ng	
78) Pyrene	19.736	202	205855	4.486	ng	98
80) Butylbenzylphthalate	20.630	149	66101	3.406	ng	98
81) Benzo(a)anthracene	21.477	228	175047	4.259	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	53692	3.911	ng	# 93
83) Chrysene	21.530	228	178025	4.241	ng	100
84) Bis(2-ethylhexyl)phtha...	21.406	149	95077	3.318	ng	98
85) Di-n-octyl phthalate	22.336	149	156787	3.447	ng	98
87) Indeno(1,2,3-cd)pyrene	26.424	276	163880	3.733	ng	98
88) Benzo(b)fluoranthene	23.171	252	159601	3.911	ng	98
89) Benzo(k)fluoranthene	23.218	252	189412	4.381	ng	100
90) Benzo(a)pyrene	23.800	252	154043	4.453	ng	98
91) Dibenzo(a,h)anthracene	26.447	278	143195	4.023	ng	98
92) Benzo(g,h,i)perylene	27.183	276	167303	4.541	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

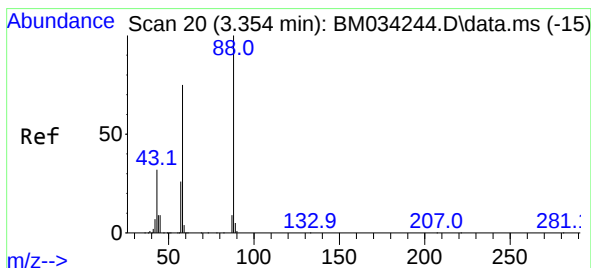
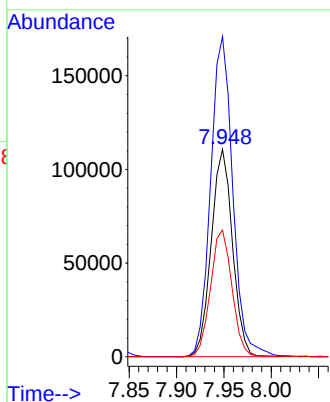
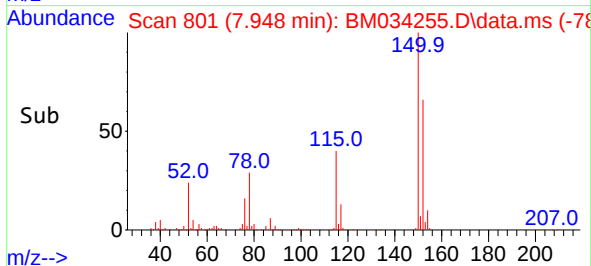
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



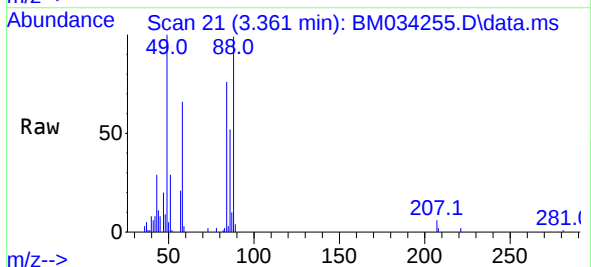
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Ion Ratio Lower Upper
152 100
150 154.3 125.4 188.2
115 61.1 50.1 75.1

Manual Integrations
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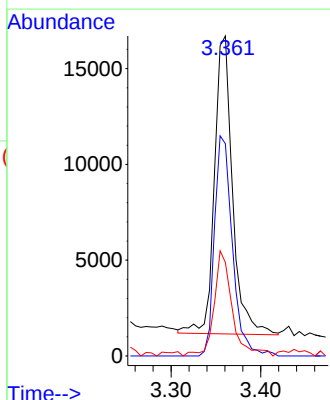
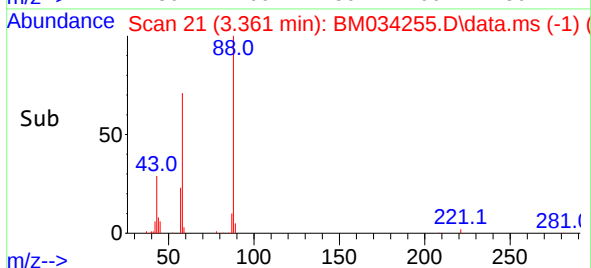
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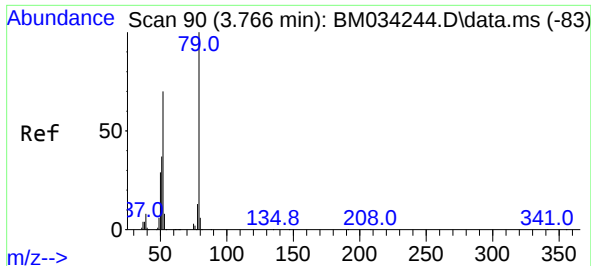


#2
1,4-Dioxane
Concen: 4.985 ng
RT: 3.361 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



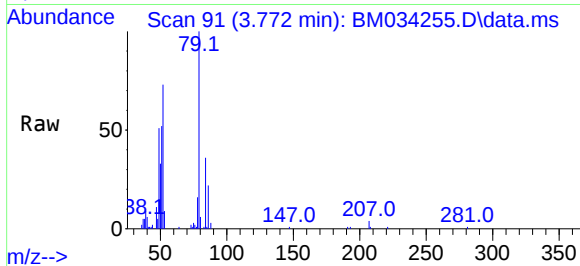
Tgt Ion: 88 Resp: 21749
Ion Ratio Lower Upper
88 100
58 73.4 60.4 90.6
43 35.2 25.4 38.0





#3
Pyridine
Concen: 3.945 ng
RT: 3.772 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

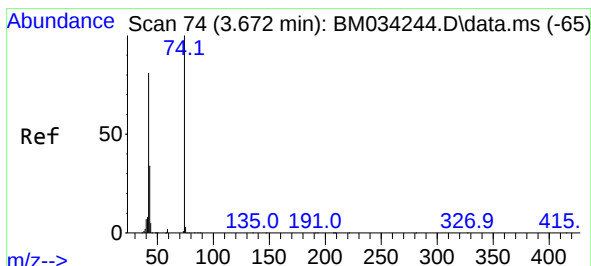
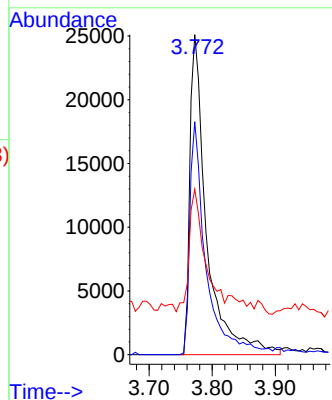
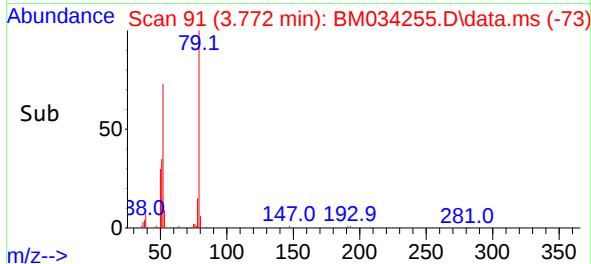
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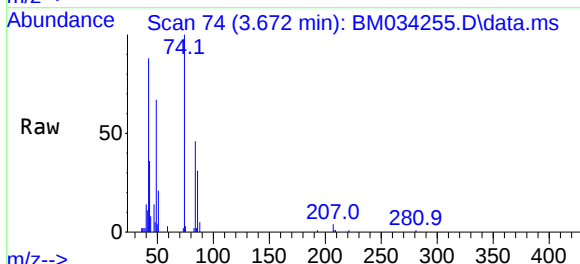
Tgt Ion: 79 Resp: 46570
Ion Ratio Lower Upper
79 100
52 72.8 56.1 84.1
51 51.7 30.4 45.6

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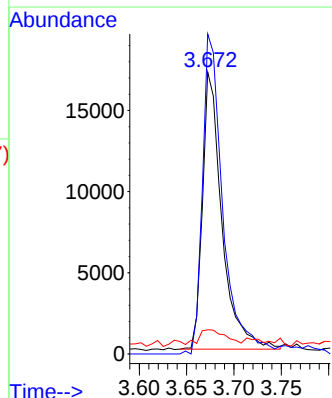
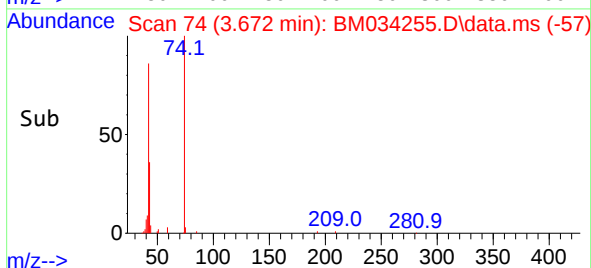
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

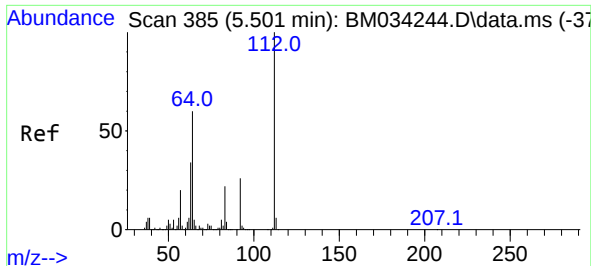


#4
n-Nitrosodimethylamine
Concen: 4.349 ng
RT: 3.672 min Scan# 74
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



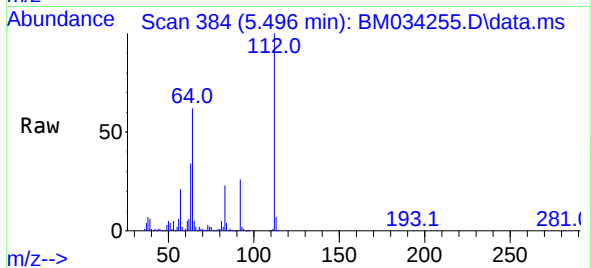
Tgt Ion: 42 Resp: 24382
Ion Ratio Lower Upper
42 100
74 113.5 99.3 148.9
44 8.6 5.0 7.6





#5
2-Fluorophenol
Concen: 101.634 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

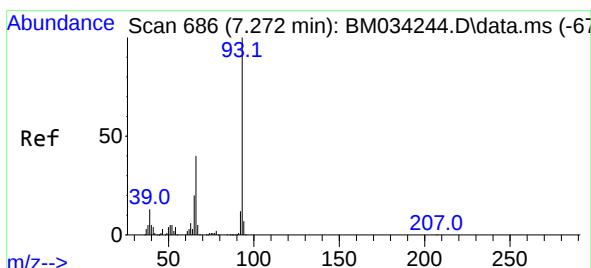
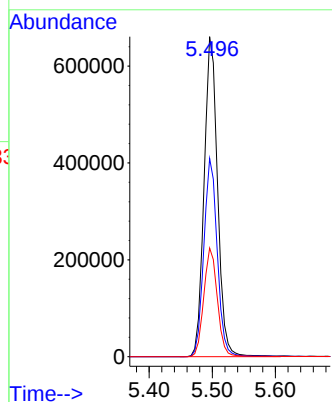
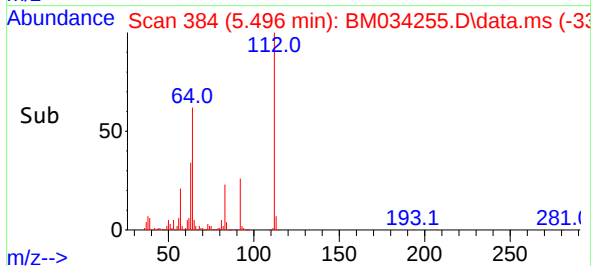
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Tgt Ion: 112 Resp: 98004
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 34.0 27.1 40.7

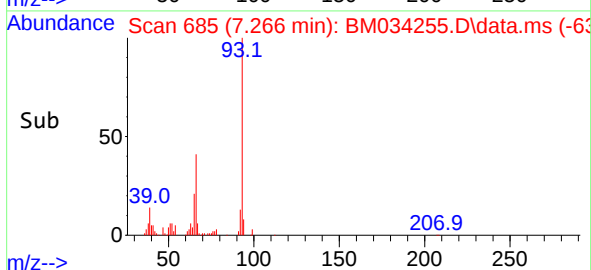
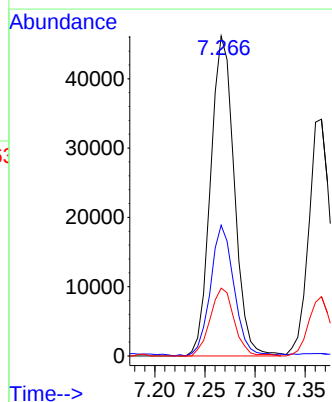
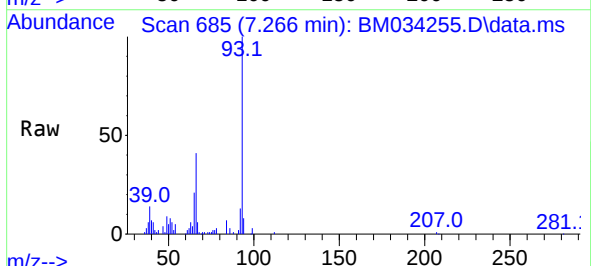
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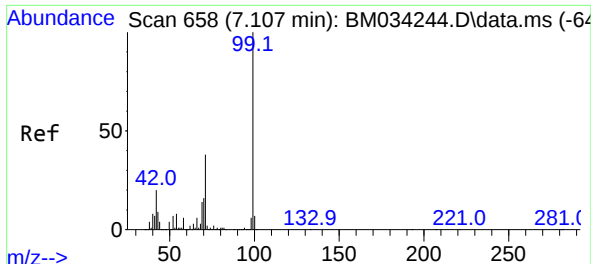
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#6
Aniline
Concen: 4.817 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

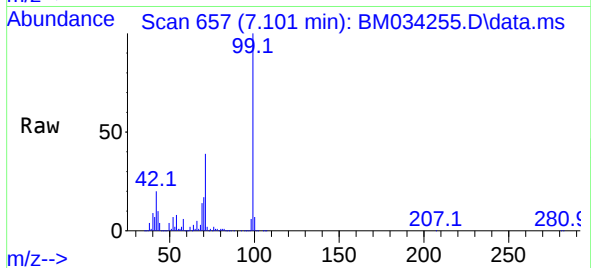
Tgt Ion: 93 Resp: 75996
Ion Ratio Lower Upper
93 100
66 40.8 31.9 47.9
65 21.2 16.2 24.4





#7
Phenol-d6
Concen: 95.827 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

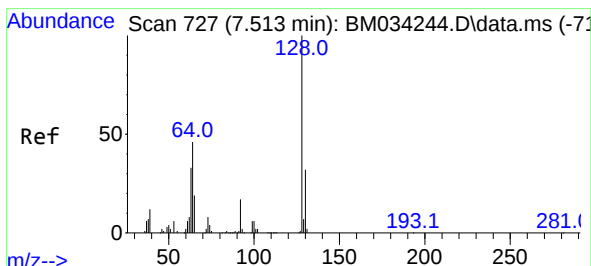
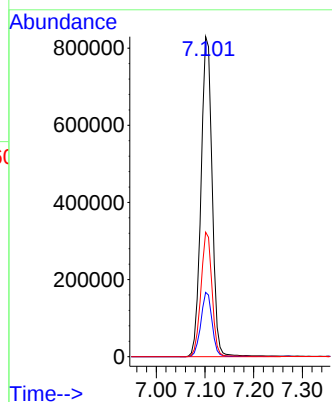
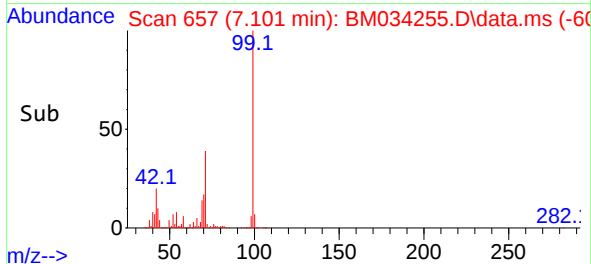
Instrument :
BNA_M
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Tgt Ion: 99 Resp: 132302
Ion Ratio Lower Upper
99 100
42 20.1 15.6 23.4
71 38.9 30.6 46.0

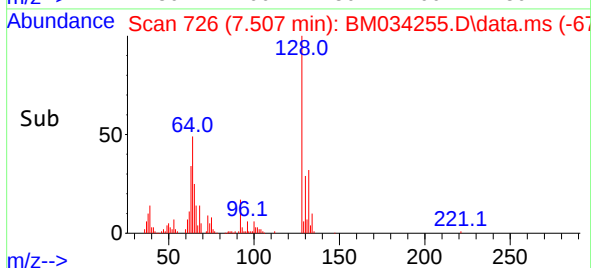
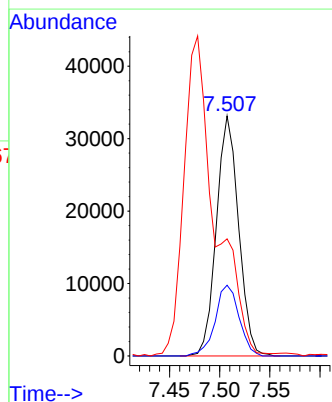
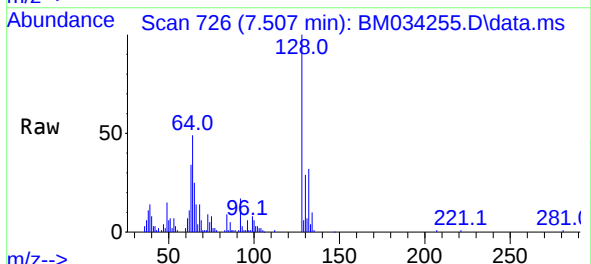
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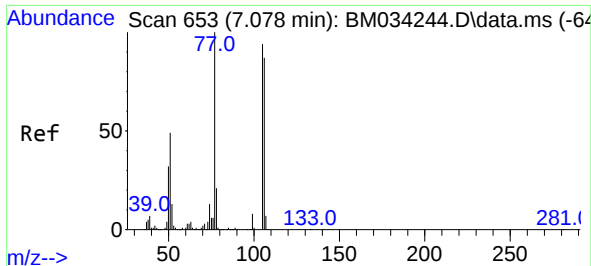
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#8
2-Chlorophenol
Concen: 4.505 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

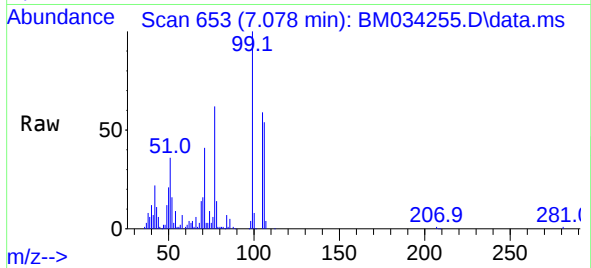
Tgt Ion:128 Resp: 50810
Ion Ratio Lower Upper
128 100
130 29.5 12.3 52.3
64 48.8 28.1 68.1





#9
Benzaldehyde
Concen: 6.480 ng m
RT: 7.078 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

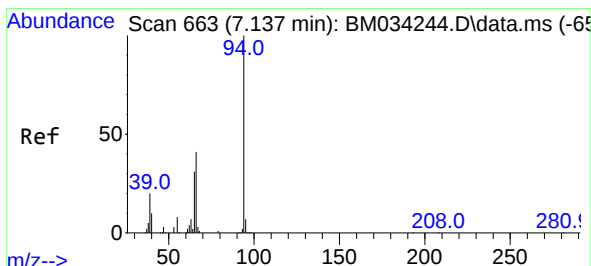
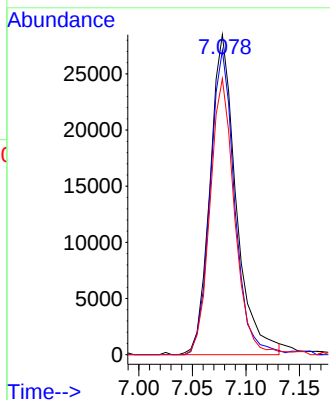
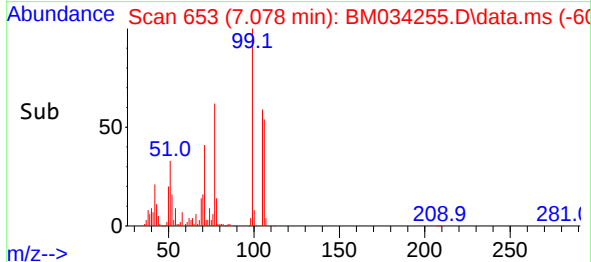
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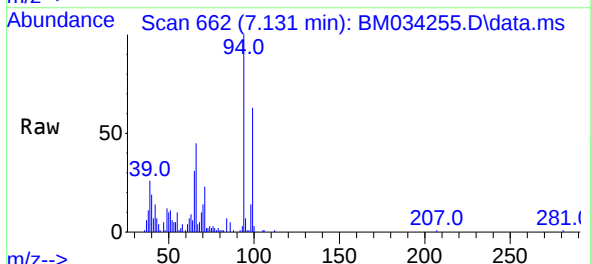
Tgt Ion: 77 Resp: 48204
Ion Ratio Lower Upper
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105 95.2 73.9 113.9
106 86.2 67.2 107.2

Manual Integrations
APPROVED

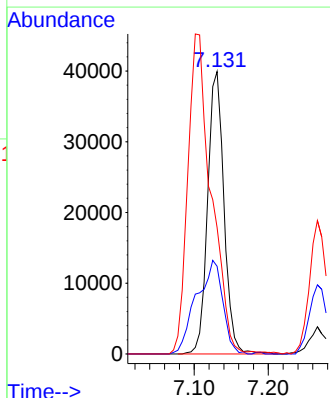
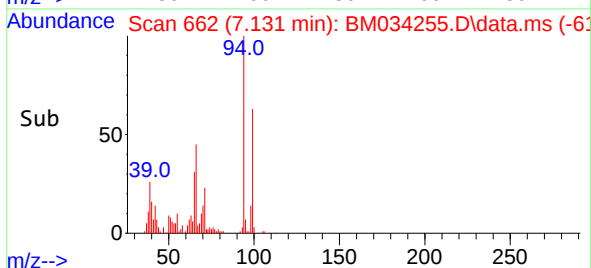
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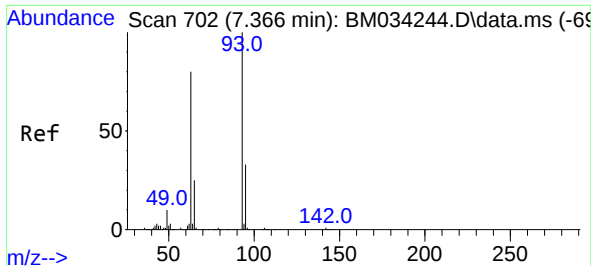


#10
Phenol
Concen: 4.454 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



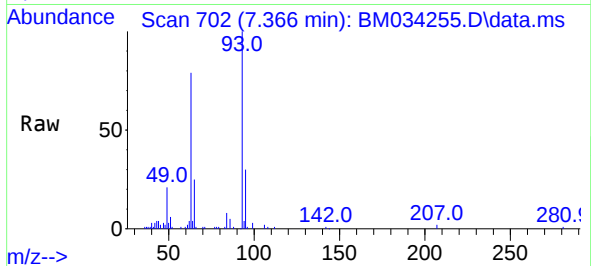
Tgt Ion: 94 Resp: 61156
Ion Ratio Lower Upper
94 100
65 31.1 10.9 50.9
66 44.8 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 4.563 ng
RT: 7.366 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

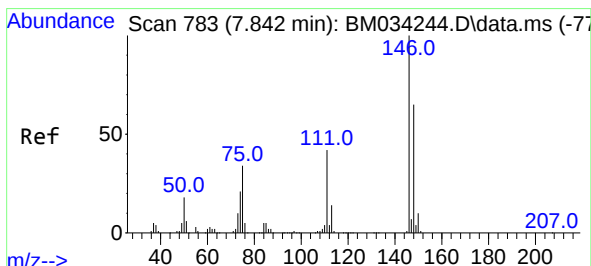
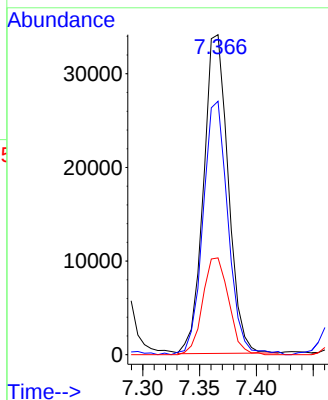
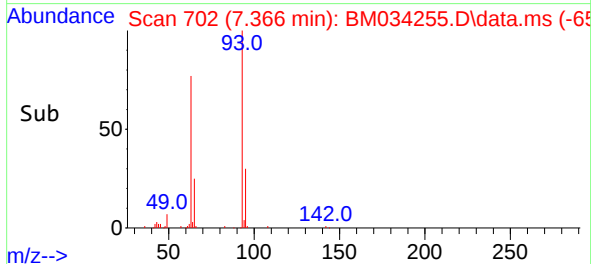
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



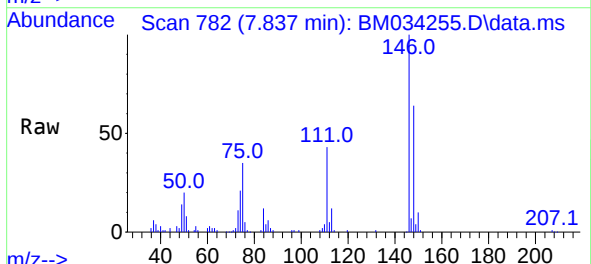
Tgt Ion: 93 Resp: 51428
Ion Ratio Lower Upper
93 100
63 79.2 59.6 99.6
95 30.3 12.6 52.6

Manual Integrations
APPROVED

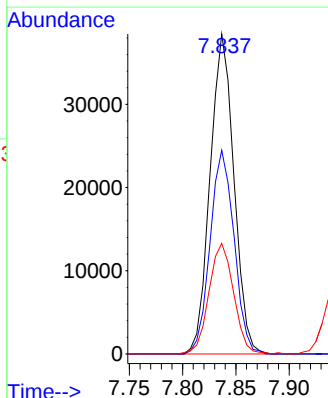
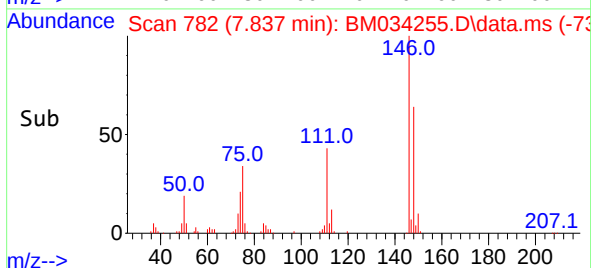
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

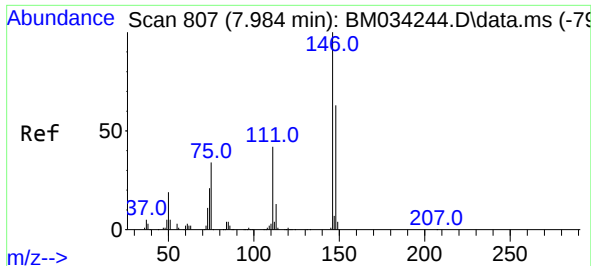


#12
1,3-Dichlorobenzene
Concen: 4.674 ng
RT: 7.837 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



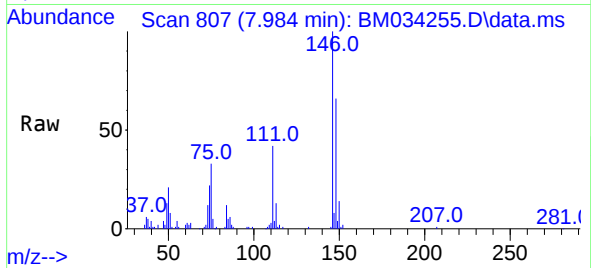
Tgt Ion:146 Resp: 59803
Ion Ratio Lower Upper
146 100
148 63.7 51.8 77.8
75 34.6 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 4.647 ng
RT: 7.984 min Scan# 807
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

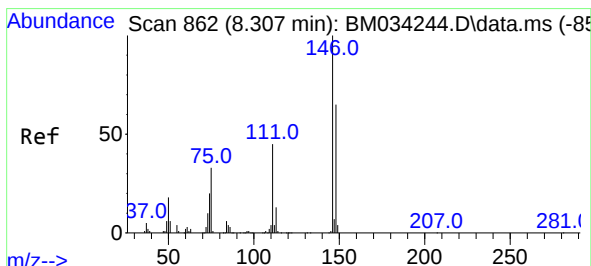
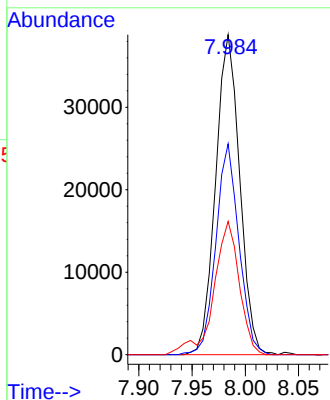
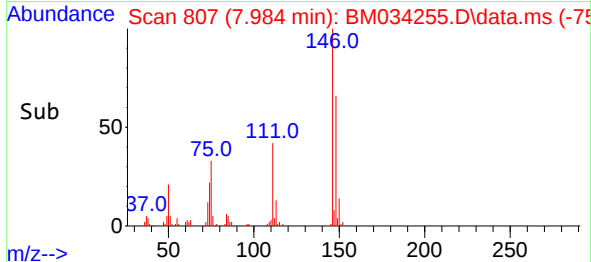
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



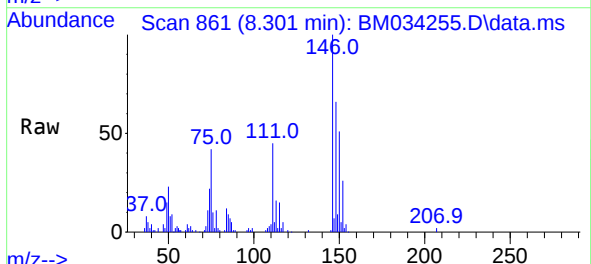
Tgt Ion:146 Resp: 60870
Ion Ratio Lower Upper
146 100
148 65.9 50.6 76.0
111 41.7 34.0 51.0

Manual Integrations
APPROVED

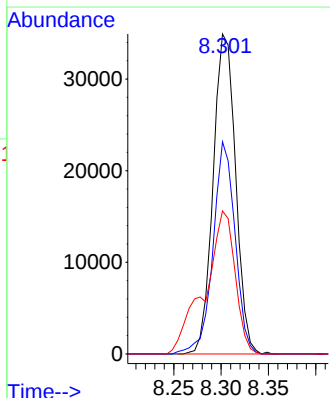
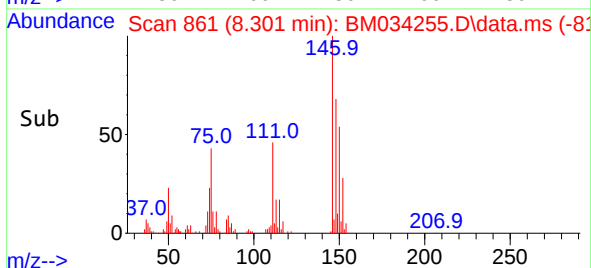
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

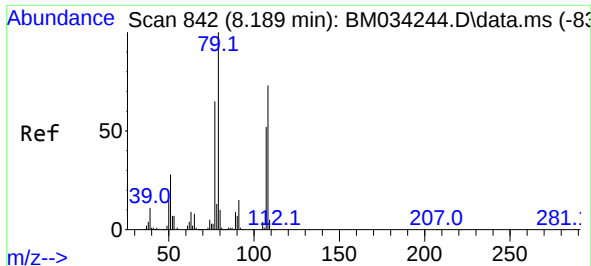


#14
1,2-Dichlorobenzene
Concen: 4.513 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



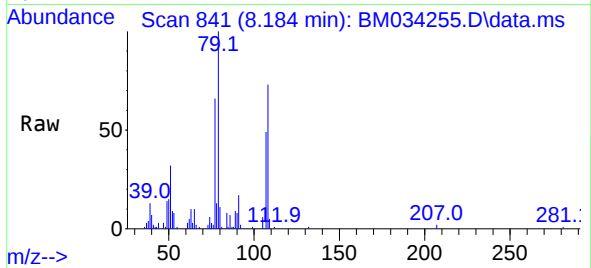
Tgt Ion:146 Resp: 57620
Ion Ratio Lower Upper
146 100
148 66.3 52.2 78.4
111 44.7 35.8 53.8





#15
Benzyl Alcohol
Concen: 3.804 ng
RT: 8.184 min Scan# 842
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

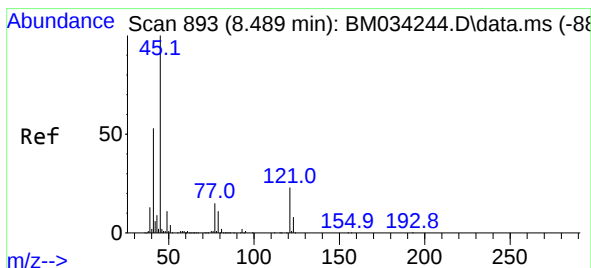
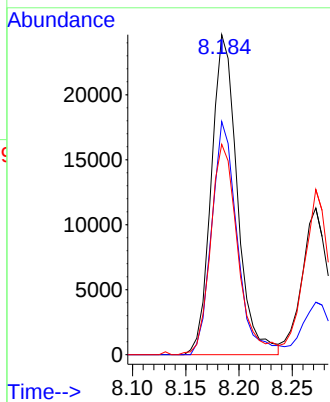
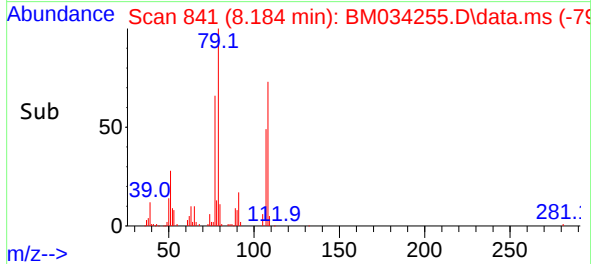
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 41794
Ion Ratio Lower Upper
79 100
108 72.9 58.1 87.1
77 65.8 51.8 77.6

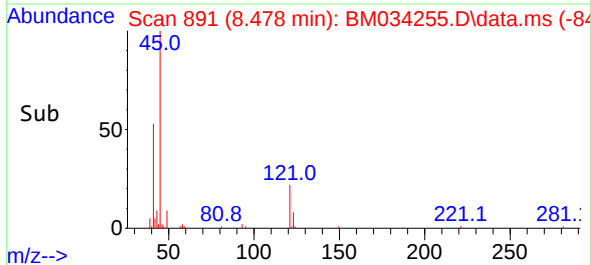
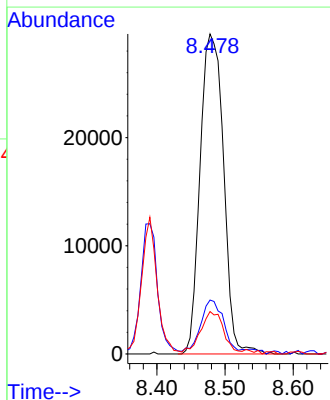
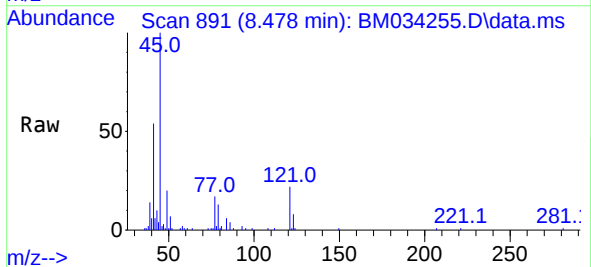
Manual Integrations
APPROVED

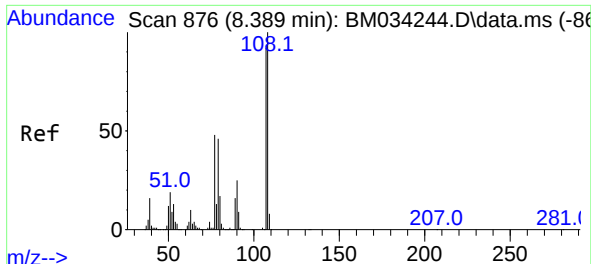
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.576 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

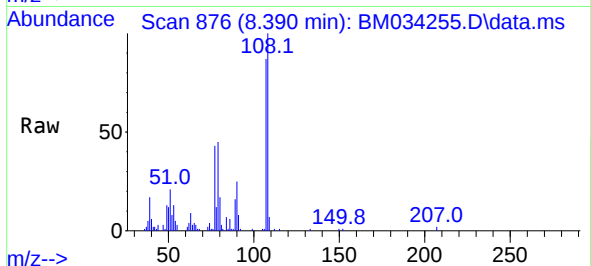
Tgt Ion: 45 Resp: 70775
Ion Ratio Lower Upper
45 100
77 16.9 0.0 35.7
79 13.3 0.0 31.7





#17
2-Methylphenol
Concen: 4.091 ng
RT: 8.390 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

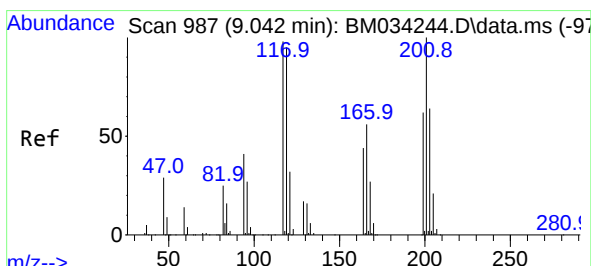
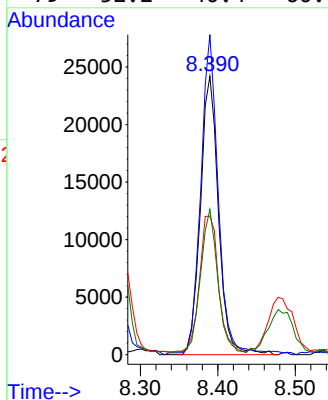
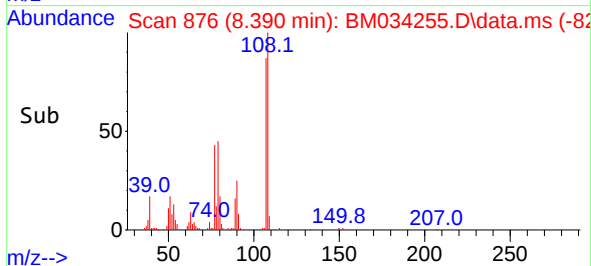


Tgt Ion:107 Resp: 39344

Ion	Ratio	Lower	Upper
107	100		
108	114.9	87.3	130.9
77	49.8	41.6	62.4
79	52.2	40.4	60.6

Manual Integrations
APPROVED

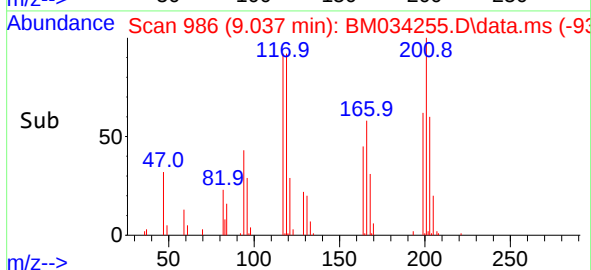
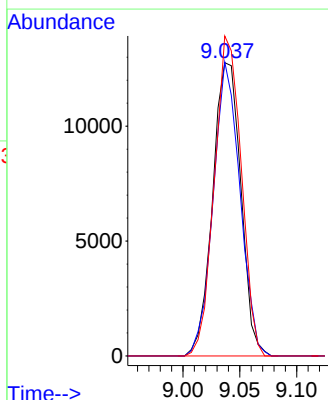
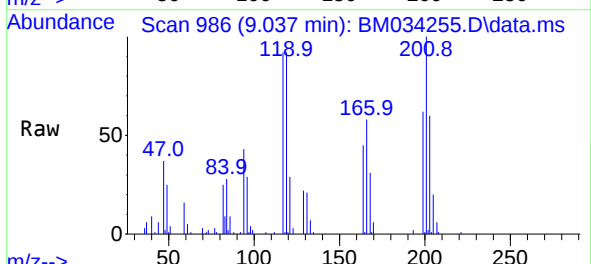
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

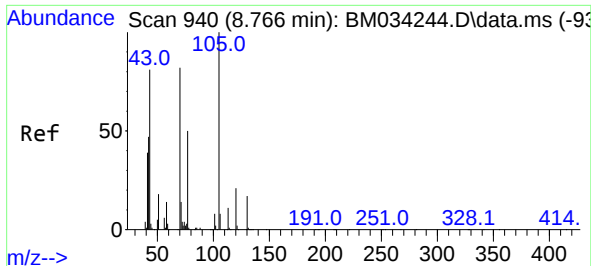


#18
Hexachloroethane
Concen: 4.554 ng
RT: 9.037 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Tgt Ion:117 Resp: 21999

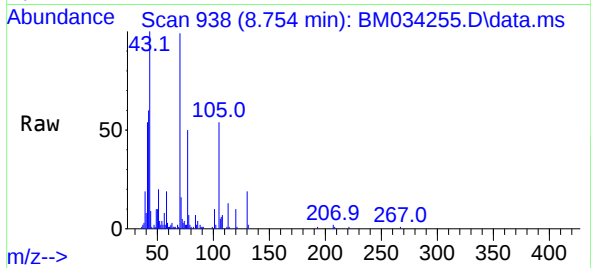
Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.4	116.0
201	109.1	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.203 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

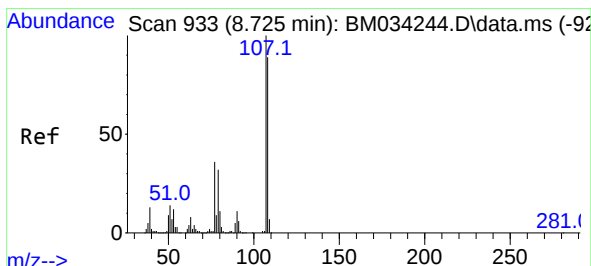
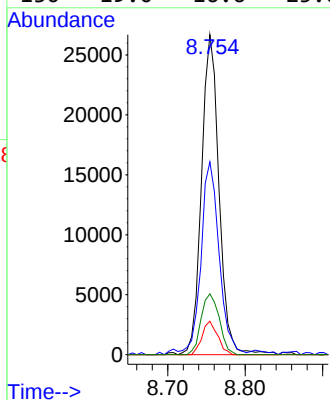
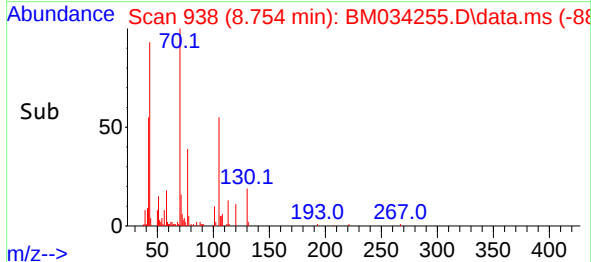
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



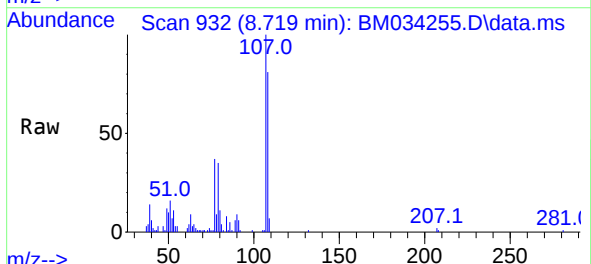
Tgt Ion: 70 Resp: 41972
Ion Ratio Lower Upper
70 100
42 60.3 46.7 70.1
101 10.5 7.8 11.6
130 19.0 16.6 25.0

Manual Integrations
APPROVED

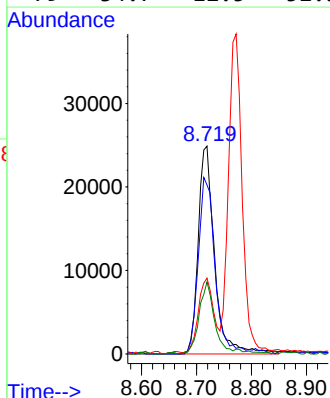
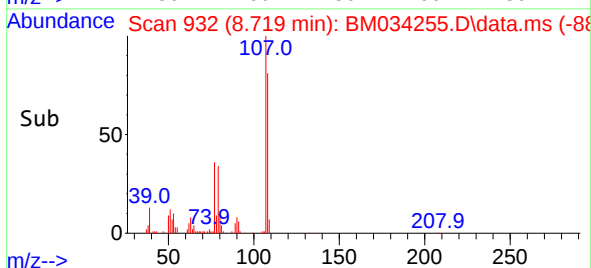
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

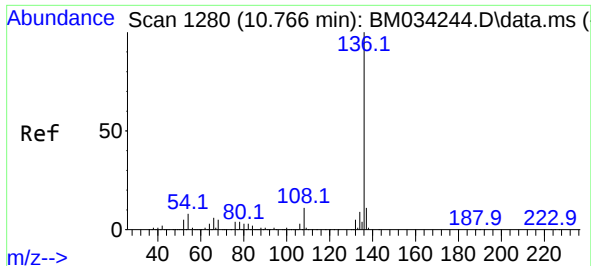


#20
3+4-Methylphenols
Concen: 3.897 ng
RT: 8.719 min Scan# 932
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



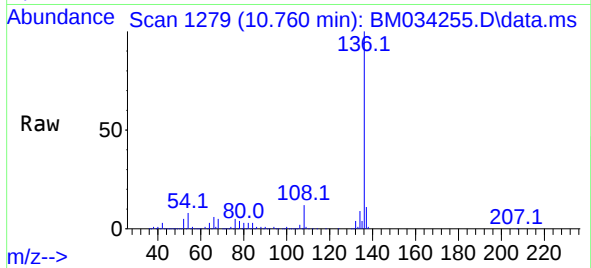
Tgt Ion:107 Resp: 51838
Ion Ratio Lower Upper
107 100
108 81.3 69.2 109.2
77 36.5 16.5 56.5
79 34.7 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

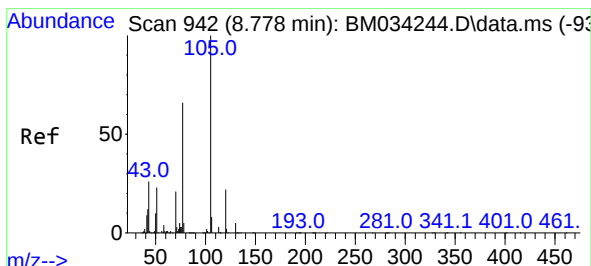
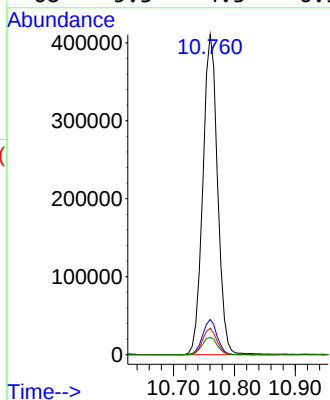
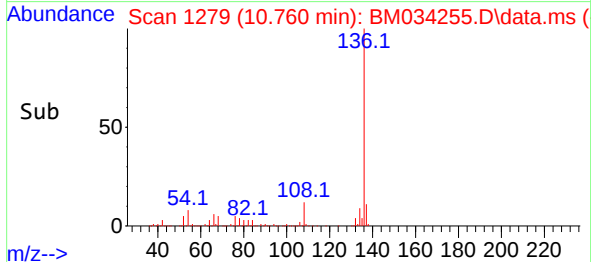
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 68767
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.2 9.4
68 5.3 4.3 6.5

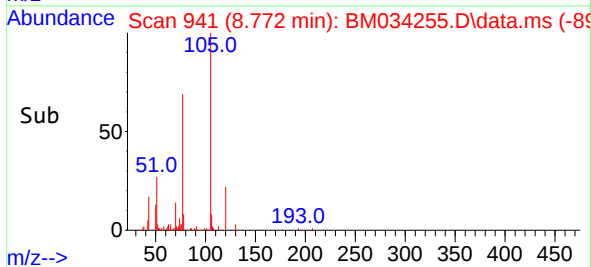
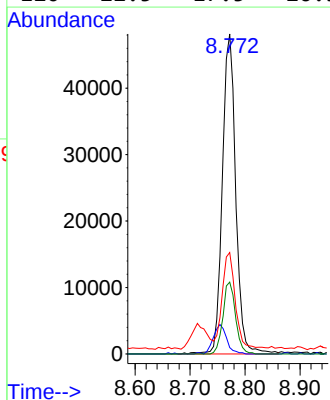
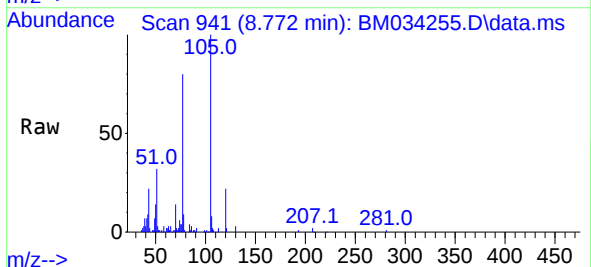
Manual Integrations
APPROVED

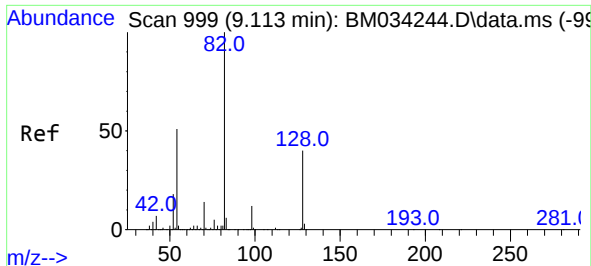
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 4.616 ng
RT: 8.772 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Tgt Ion:105 Resp: 81469
Ion Ratio Lower Upper
105 100
71 2.0 3.0 4.4#
51 31.7 22.6 33.8
120 22.5 17.5 26.3





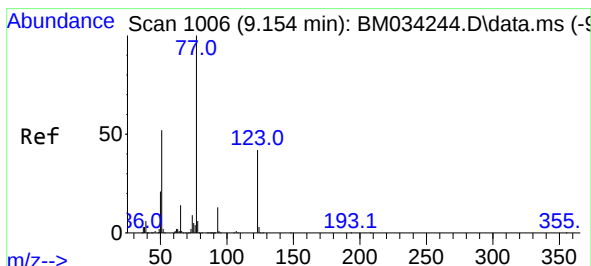
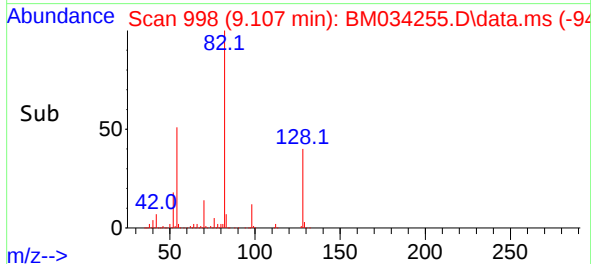
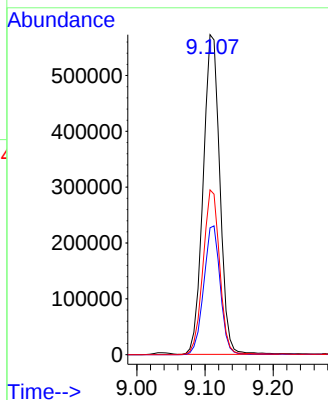
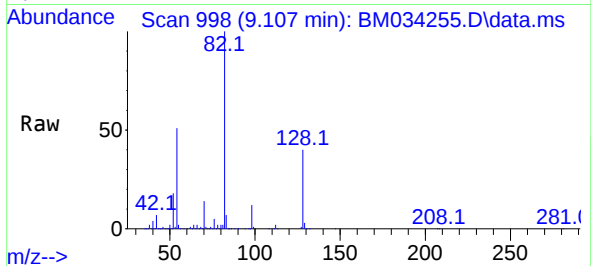
#23
Nitrobenzene-d5
Concen: 69.094 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 975915
Ion Ratio Lower Upper
82 100
128 39.6 31.9 47.9
54 51.5 40.6 61.0

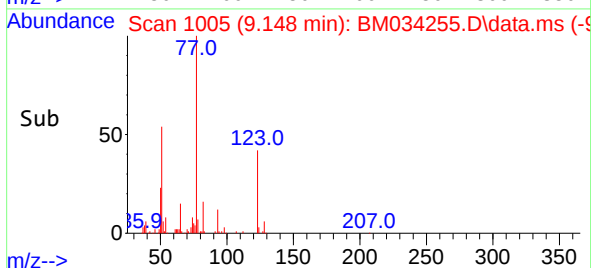
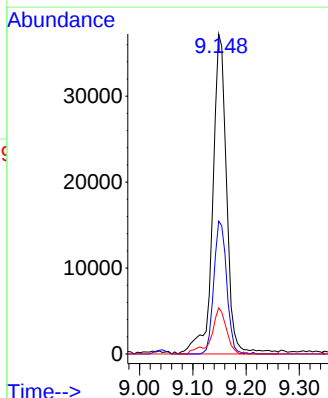
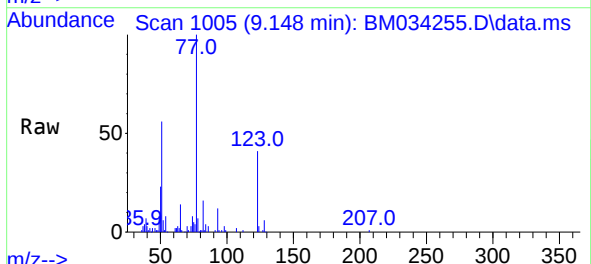
Manual Integrations
APPROVED

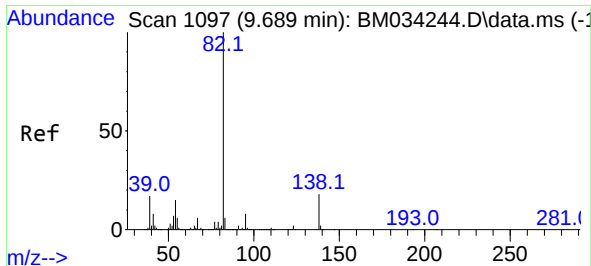
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#24
Nitrobenzene
Concen: 5.154 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

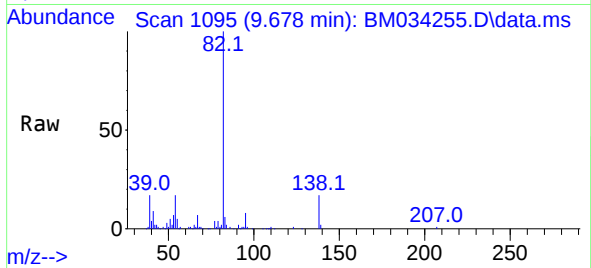
Tgt Ion: 77 Resp: 67964
Ion Ratio Lower Upper
77 100
123 41.5 33.3 49.9
65 14.4 11.0 16.4





#25
Isophorone
Concen: 4.592 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

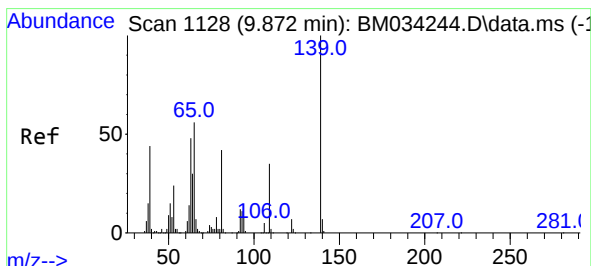
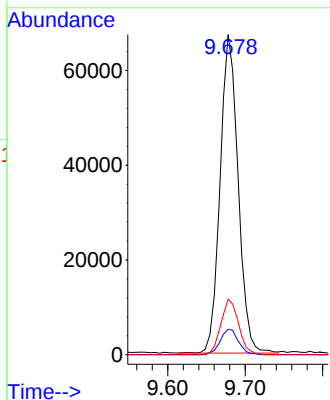
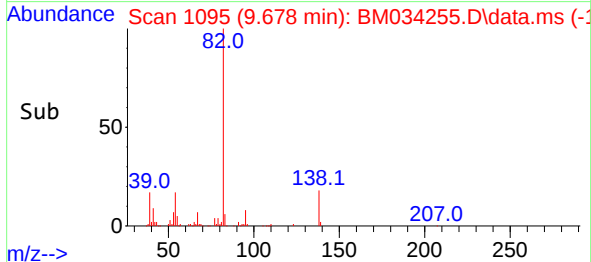
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



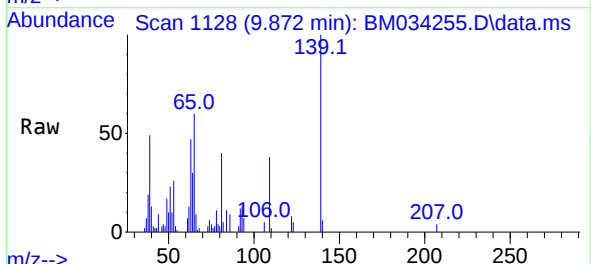
Tgt Ion: 82 Resp: 108544
Ion Ratio Lower Upper
82 100
95 7.9 6.6 9.8
138 17.3 14.4 21.6

Manual Integrations
APPROVED

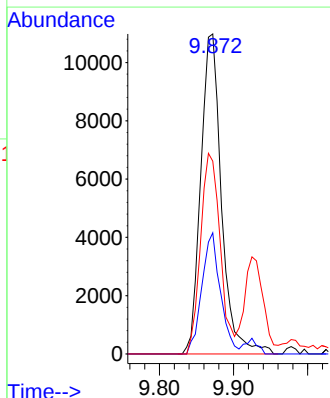
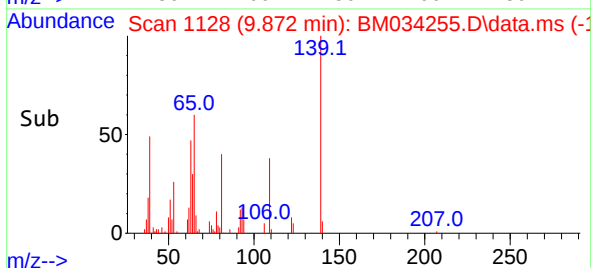
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

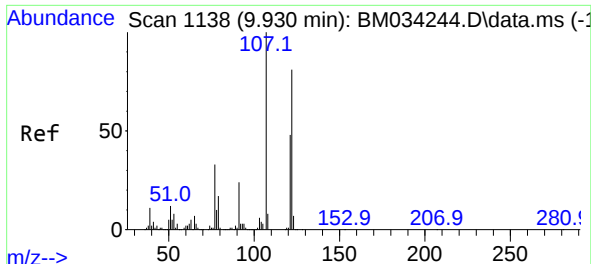


#26
2-Nitrophenol
Concen: 3.653 ng
RT: 9.872 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



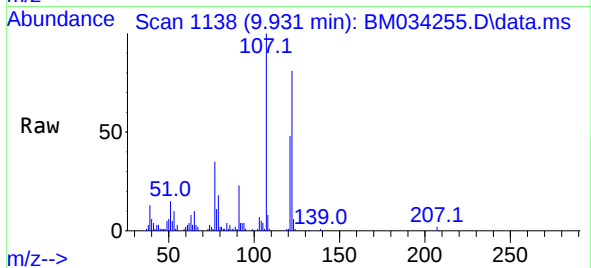
Tgt Ion:139 Resp: 21362
Ion Ratio Lower Upper
139 100
109 37.9 28.1 42.1
65 60.3 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 4.737 ng
RT: 9.931 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

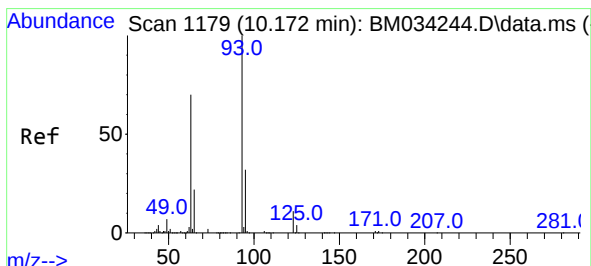
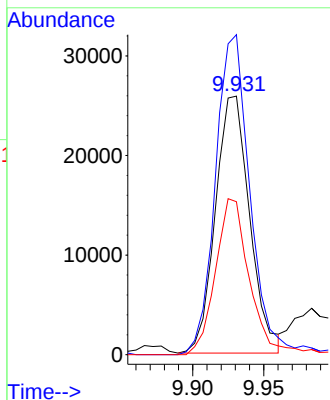
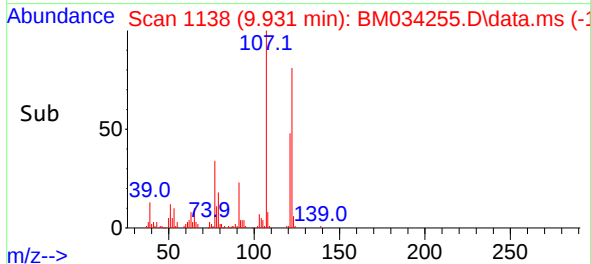
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



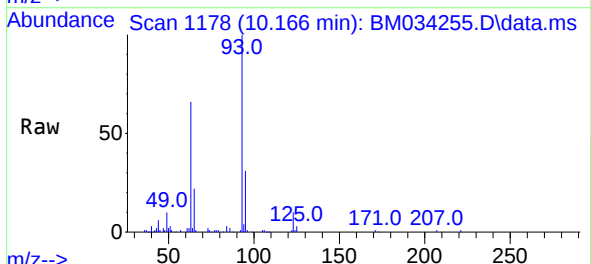
Tgt Ion:122 Resp: 4337
Ion Ratio Lower Upper
122 100
107 123.8 99.0 148.6
121 59.2 47.7 71.5

Manual Integrations
APPROVED

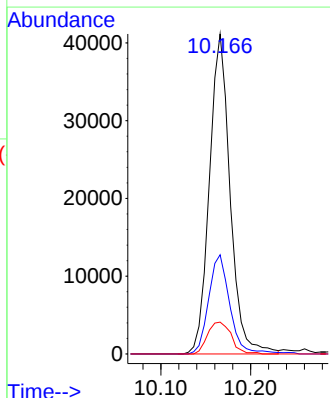
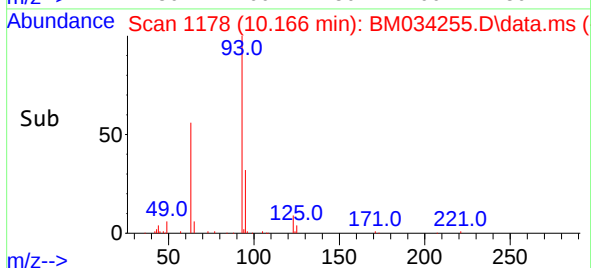
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

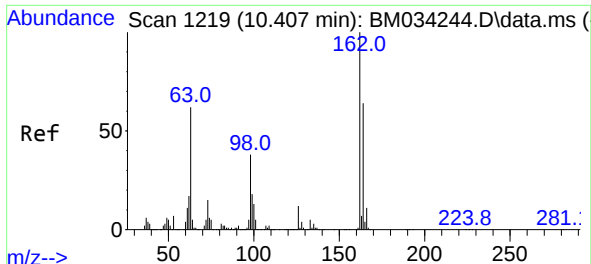


#28
bis(2-Chloroethoxy)methane
Concen: 4.364 ng
RT: 10.166 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



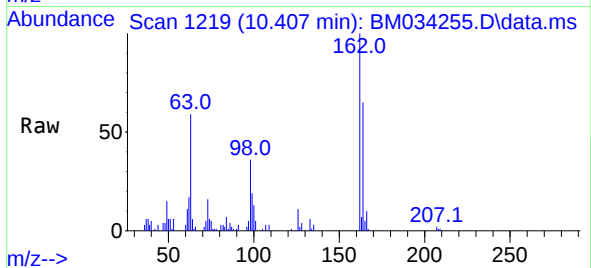
Tgt Ion: 93 Resp: 66037
Ion Ratio Lower Upper
93 100
95 31.0 26.0 39.0
123 9.9 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 3.950 ng
RT: 10.407 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

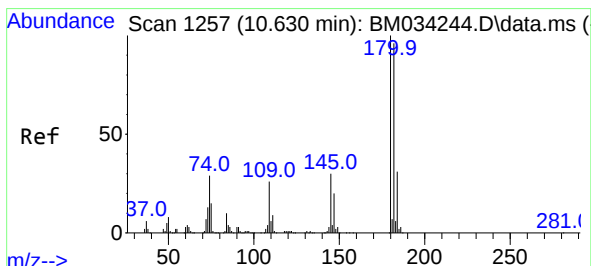
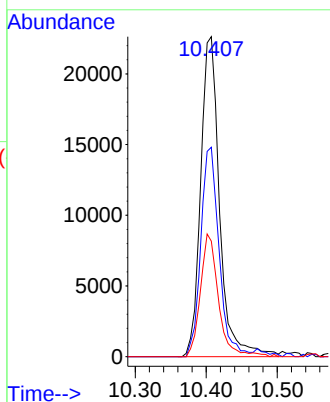
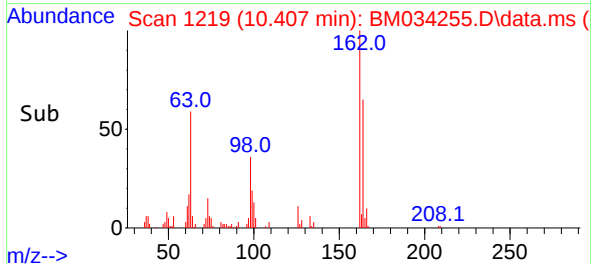
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



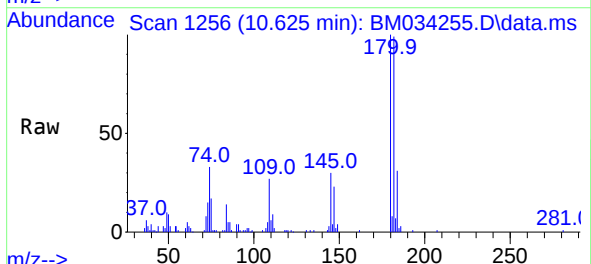
Tgt Ion:162 Resp: 42024
Ion Ratio Lower Upper
162 100
164 65.5 43.9 83.9
98 36.1 17.6 57.6

Manual Integrations
APPROVED

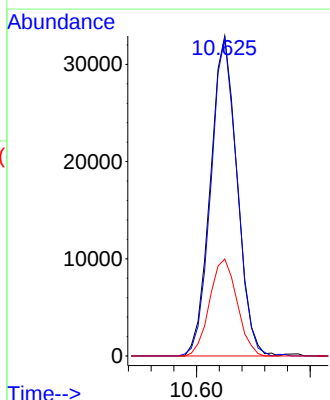
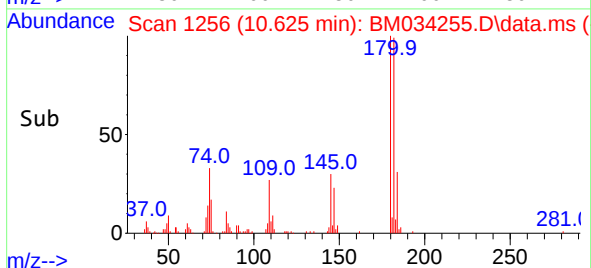
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

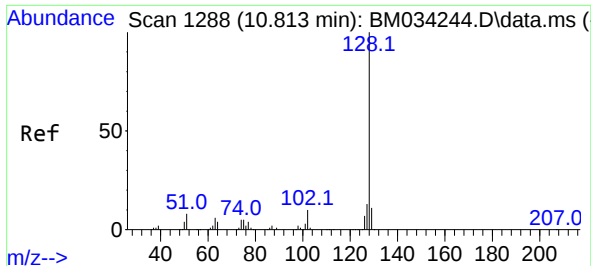


#30
1,2,4-Trichlorobenzene
Concen: 4.440 ng
RT: 10.625 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



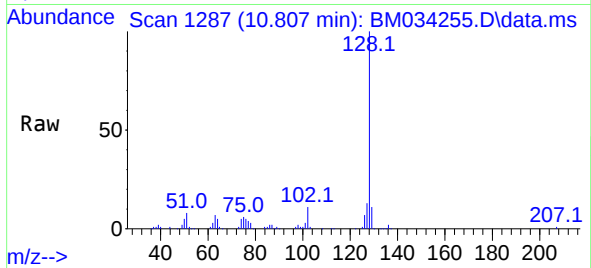
Tgt Ion:180 Resp: 53700
Ion Ratio Lower Upper
180 100
182 99.4 77.0 115.4
145 30.3 23.7 35.5





#31
Naphthalene
Concen: 4.563 ng
RT: 10.807 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

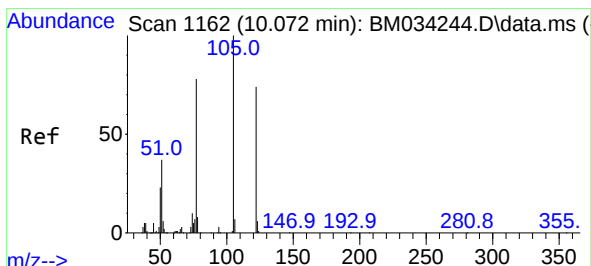
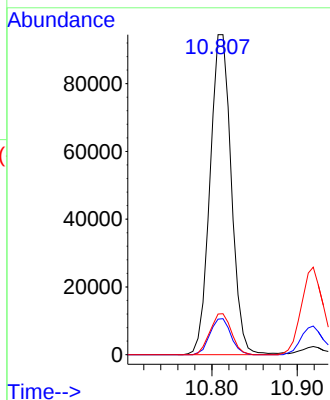
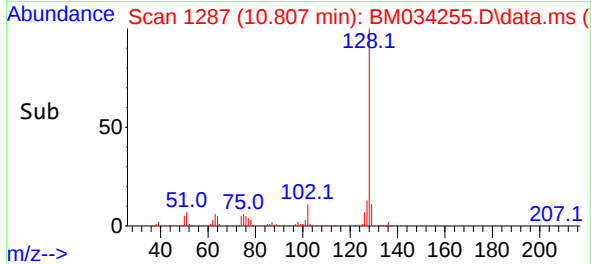
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 16347
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.7 10.2 15.4

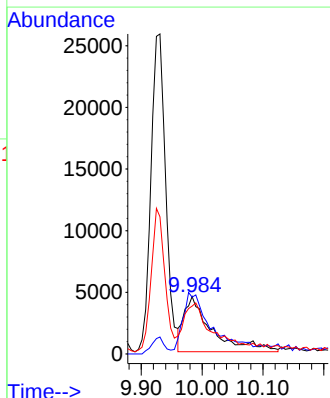
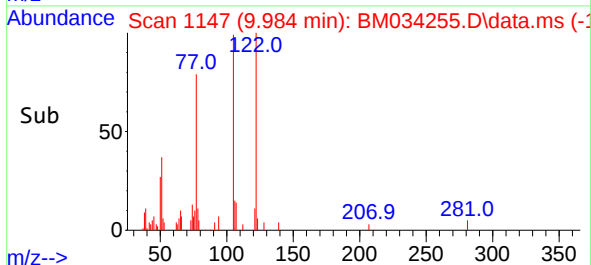
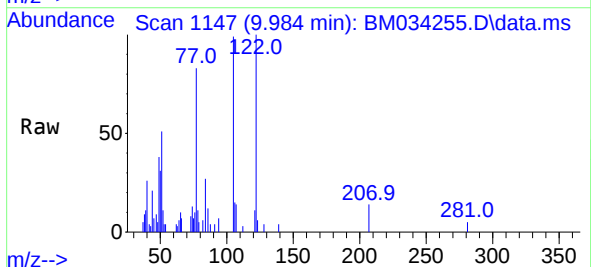
Manual Integrations
APPROVED

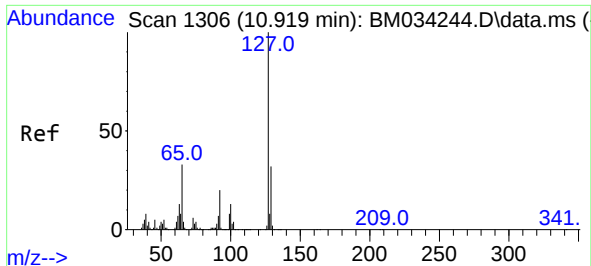
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 1.893 ng m
RT: 9.984 min Scan# 1147
Delta R.T. -0.088 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

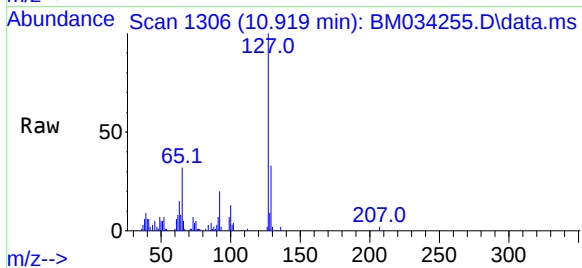
Tgt Ion:122 Resp: 14332
Ion Ratio Lower Upper
122 100
105 98.8 109.6 149.6#
77 83.1 83.1 123.1





#33
4-Chloroaniline
Concen: 3.718 ng
RT: 10.919 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

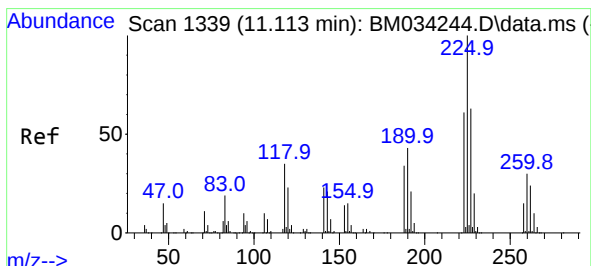
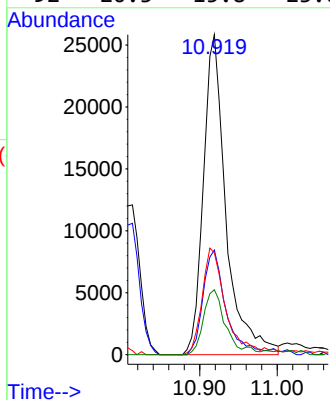
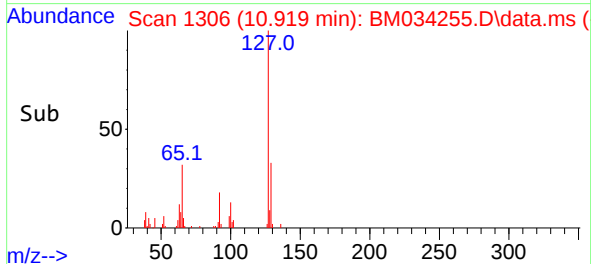
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



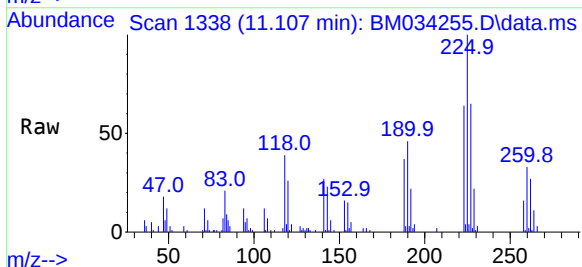
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	31.8	26.2	39.2
92	20.3	15.8	23.6

Manual Integrations
APPROVED

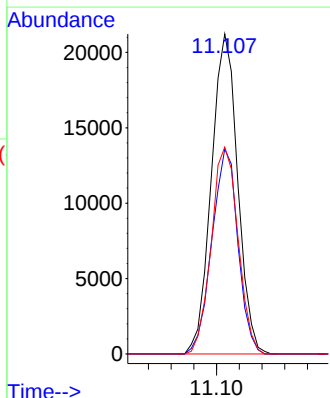
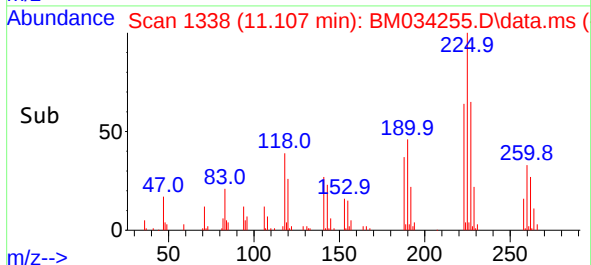
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

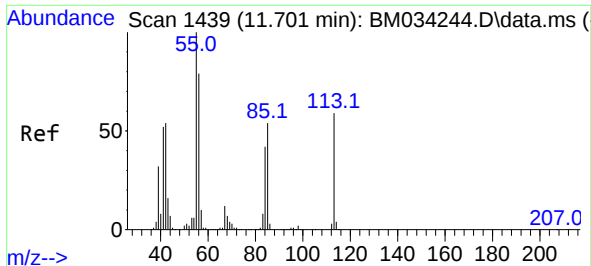


#34
Hexachlorobutadiene
Concen: 4.448 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



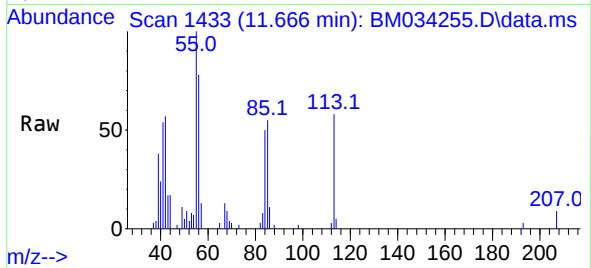
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.0	73.4
227	64.7	50.2	75.2





#35
Caprolactam
Concen: 2.929 ng
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

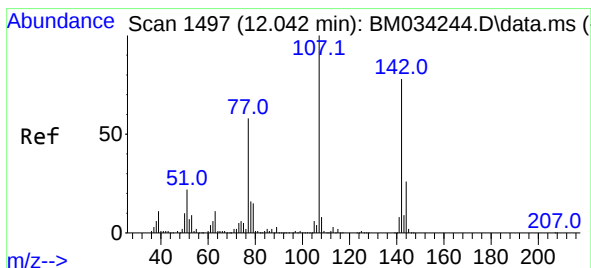
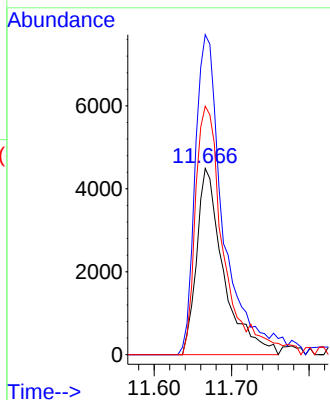
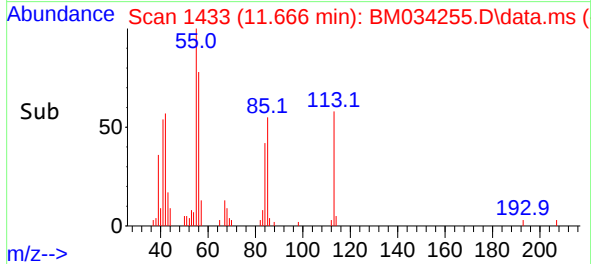
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



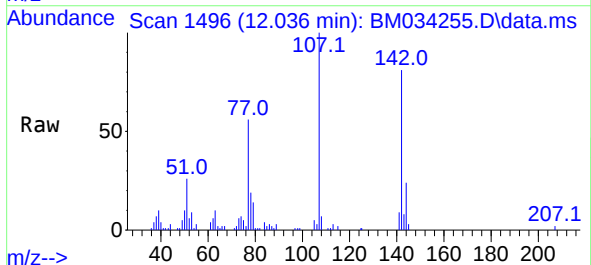
Tgt Ion:113 Resp: 10834
Ion Ratio Lower Upper
113 100
55 171.8 148.9 188.9
56 133.4 113.3 153.3

Manual Integrations
APPROVED

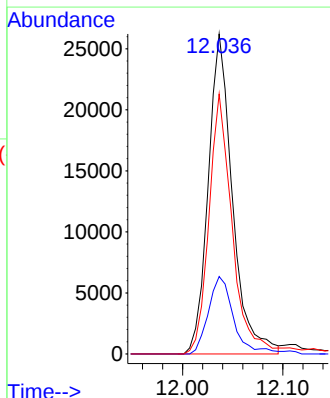
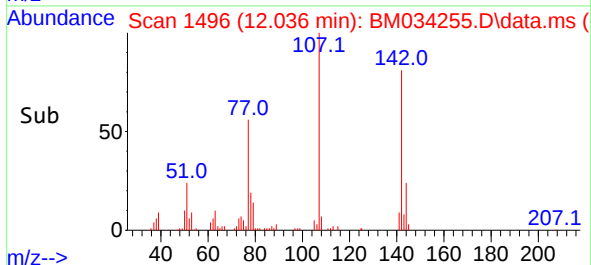
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

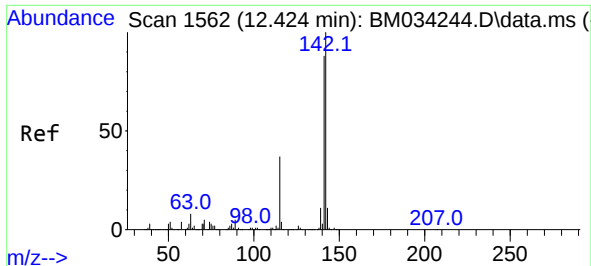


#36
4-Chloro-3-methylphenol
Concen: 3.611 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



Tgt Ion:107 Resp: 44025
Ion Ratio Lower Upper
107 100
144 24.2 20.8 31.2
142 81.3 62.7 94.1





#37

2-Methylnaphthalene

Concen: 4.425 ng

RT: 12.419 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BM034255.D

Acq: 16 Mar 2022 12:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:142 Resp: 113118

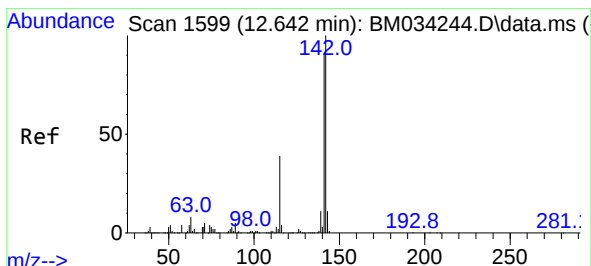
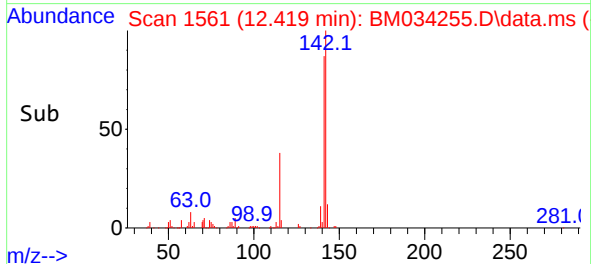
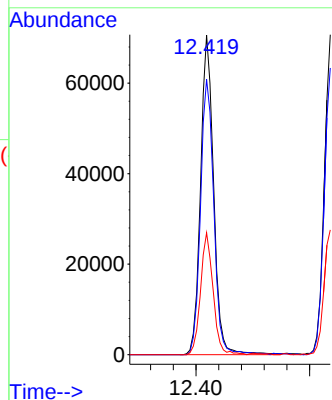
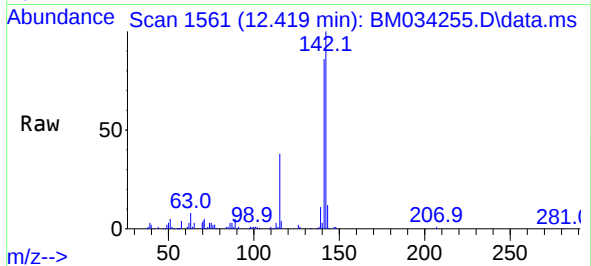
Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.1	105.1
115	38.2	29.9	44.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#38

1-Methylnaphthalene

Concen: 4.468 ng

RT: 12.636 min Scan# 1598

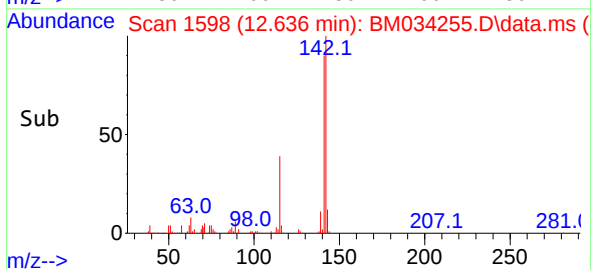
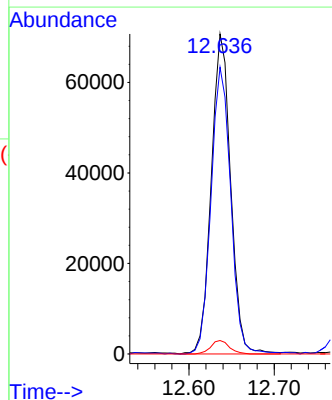
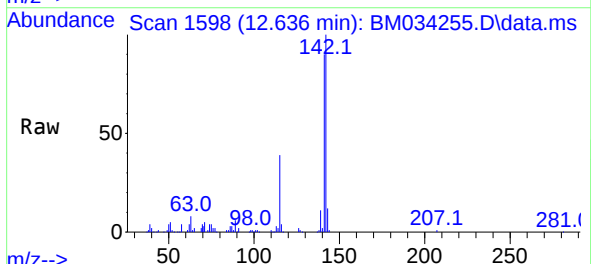
Delta R.T. -0.006 min

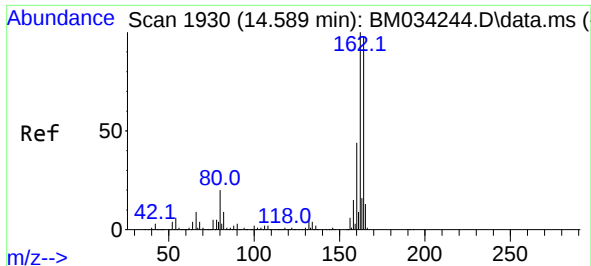
Lab File: BM034255.D

Acq: 16 Mar 2022 12:27

Tgt Ion:142 Resp: 111728

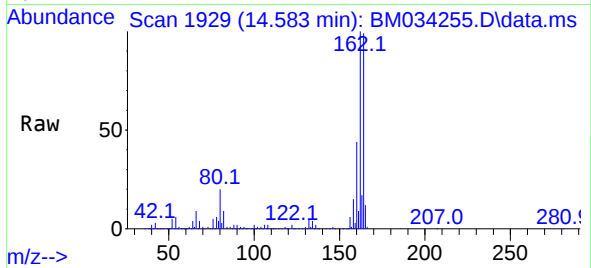
Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.0	109.6
116	4.2	3.2	4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

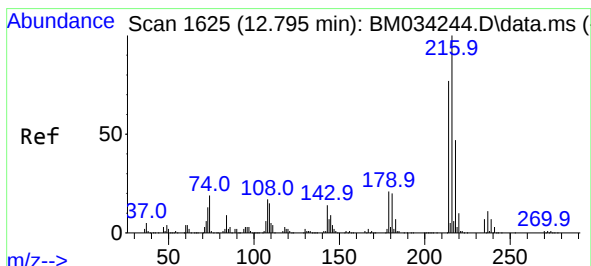
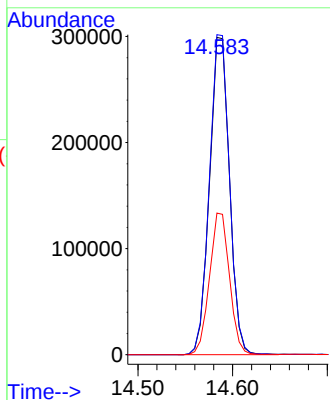
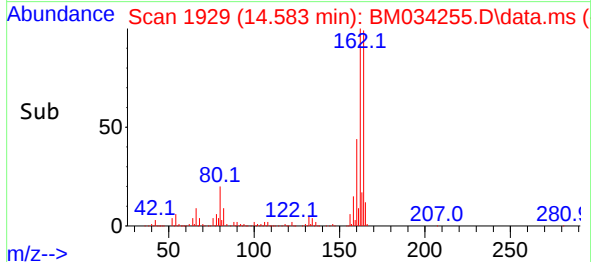
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



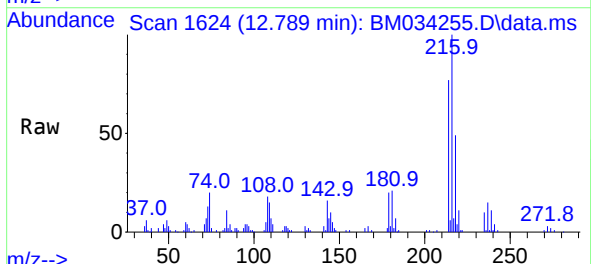
Tgt Ion:164 Resp: 43762
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.6 35.6 53.4

Manual Integrations
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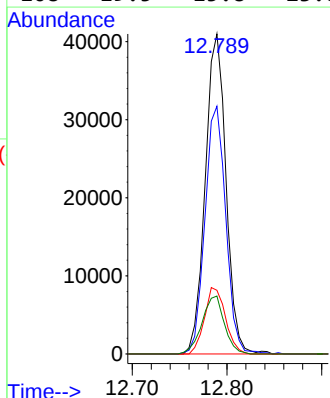
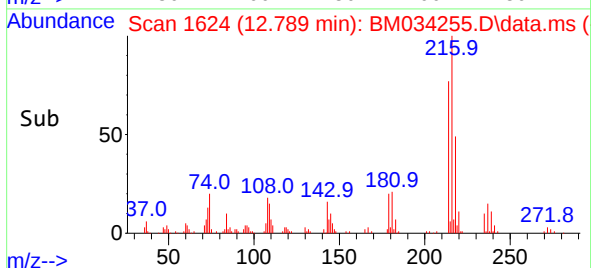
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

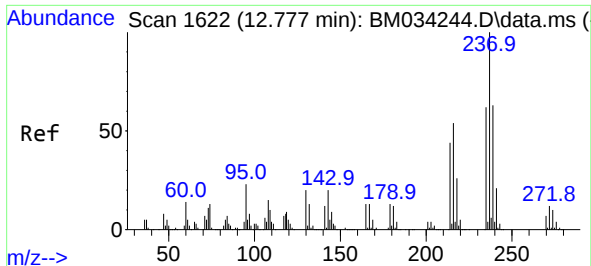


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.721 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



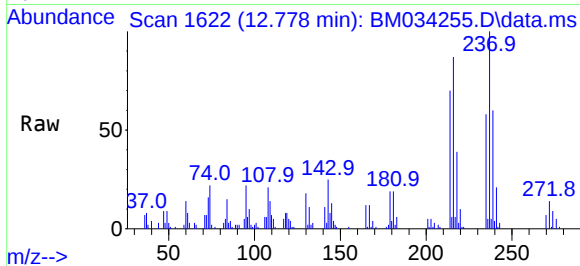
Tgt Ion:216 Resp: 62354
Ion Ratio Lower Upper
216 100
214 77.8 62.7 94.1
179 21.0 17.2 25.8
108 19.5 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 5.198 ng
RT: 12.778 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

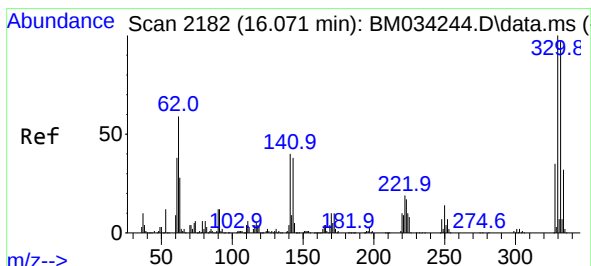
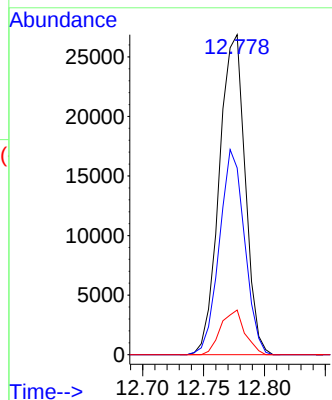
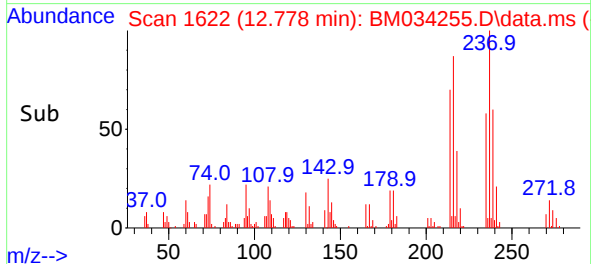
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



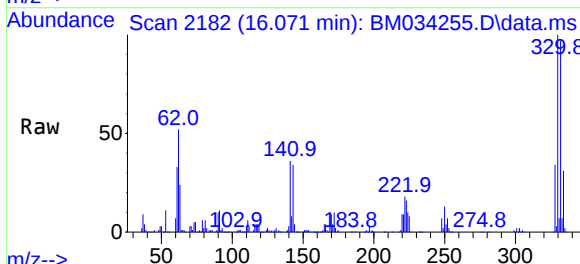
Tgt Ion:237 Resp: 3974
Ion Ratio Lower Upper
237 100
235 58.3 42.1 82.1
272 14.0 0.0 32.3

Manual Integrations
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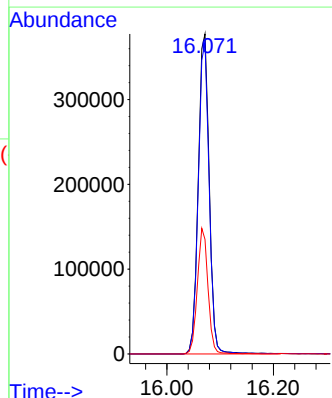
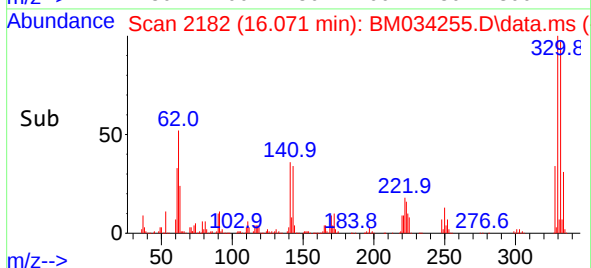
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

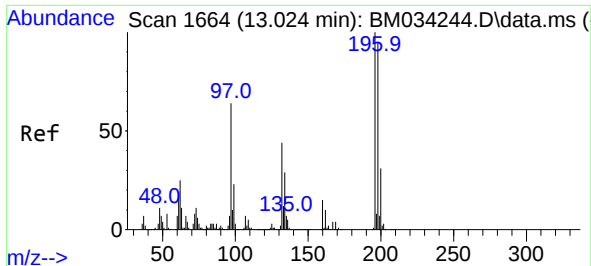


#42
2,4,6-Tribromophenol
Concen: 91.814 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



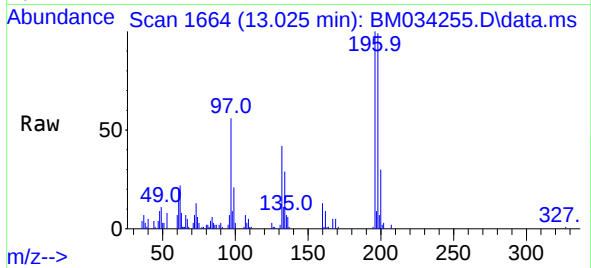
Tgt Ion:330 Resp: 541581
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.4
141 37.9 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 3.778 ng
RT: 13.025 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

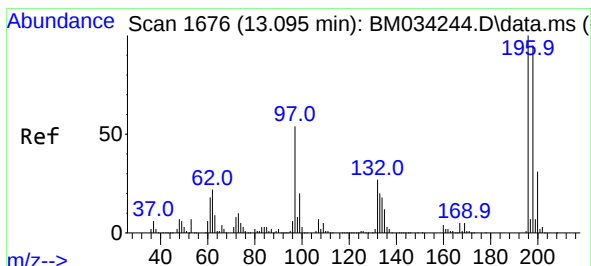
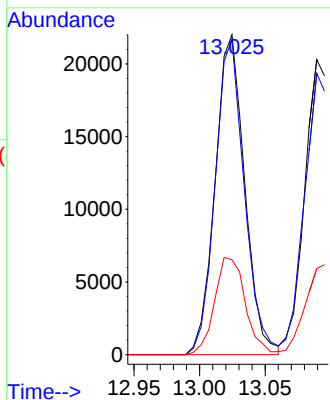
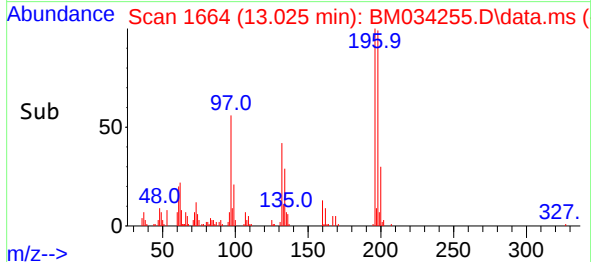
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



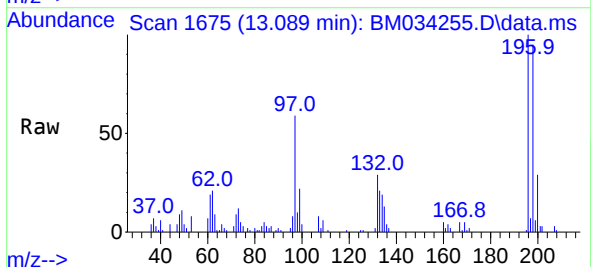
Tgt Ion:196 Resp: 3444
Ion Ratio Lower Upper
196 100
198 98.6 76.1 114.1
200 29.7 24.9 37.3

Manual Integrations
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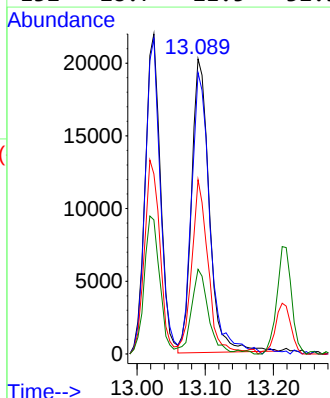
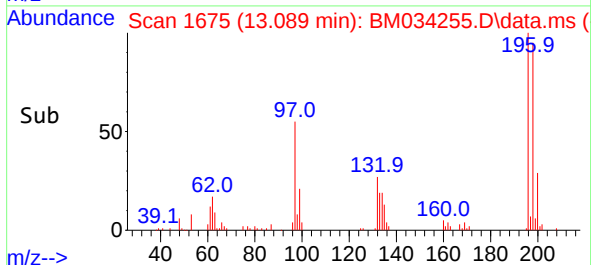
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

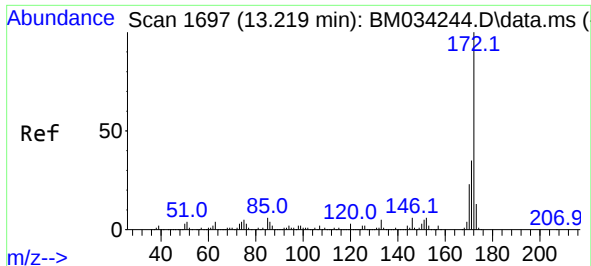


#44
2,4,5-Trichlorophenol
Concen: 3.712 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



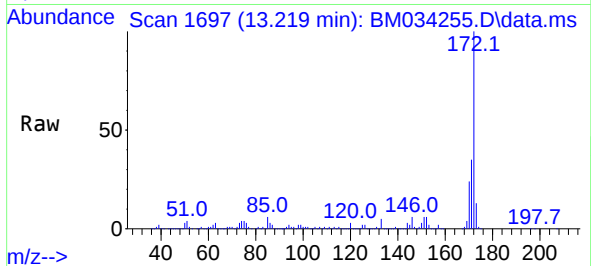
Tgt Ion:196 Resp: 36329
Ion Ratio Lower Upper
196 100
198 95.3 75.9 113.9
97 59.0 43.2 64.8
132 28.7 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 68.341 ng
RT: 13.219 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

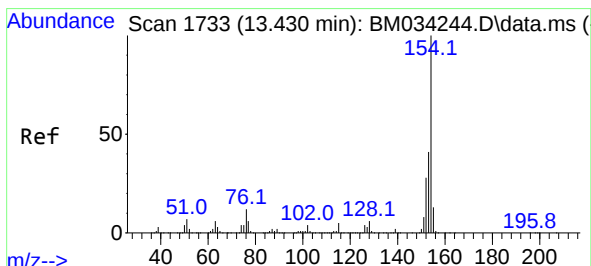
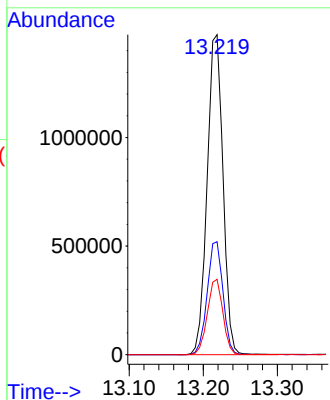
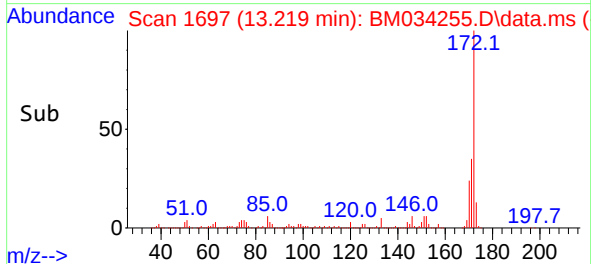
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



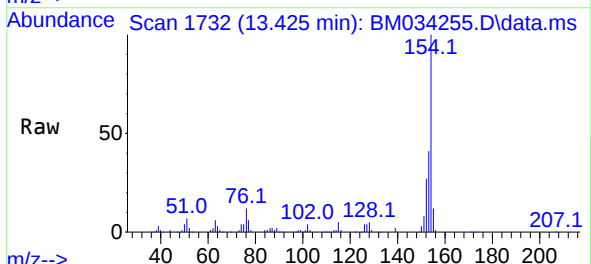
Tgt Ion:172 Resp: 218865
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.6 18.6 28.0

Manual Integrations
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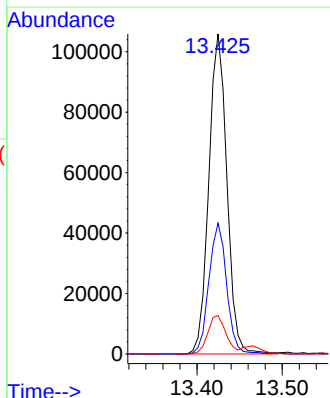
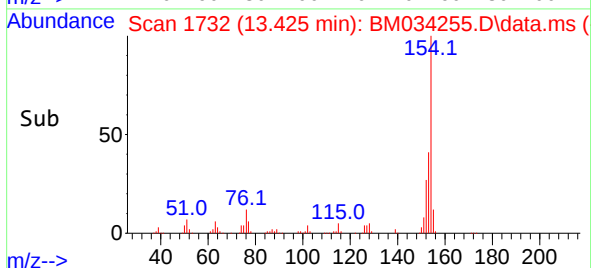
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

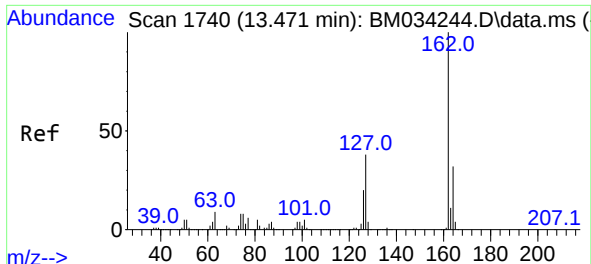


#46
1,1'-Biphenyl
Concen: 4.675 ng
RT: 13.425 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



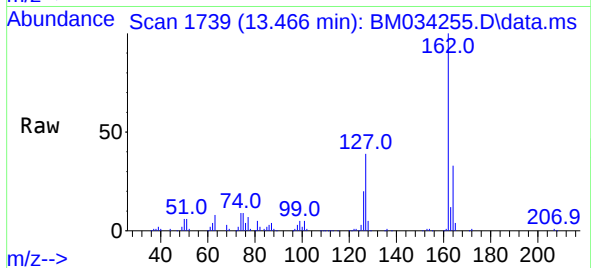
Tgt Ion:154 Resp: 156005
Ion Ratio Lower Upper
154 100
153 40.9 21.0 61.0
76 12.0 0.0 32.1





#47
2-Chloronaphthalene
Concen: 4.432 ng
RT: 13.466 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

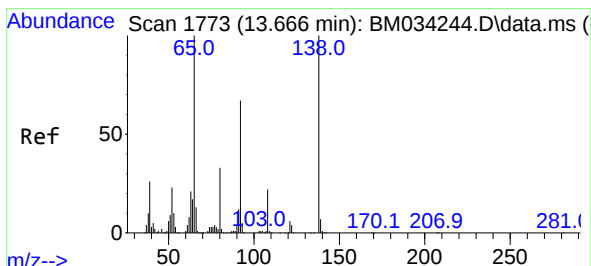
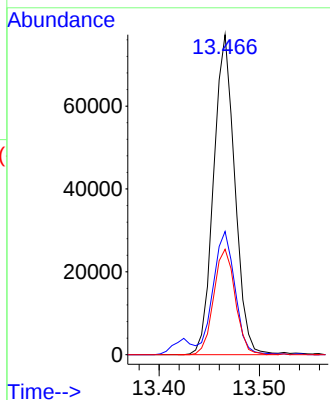
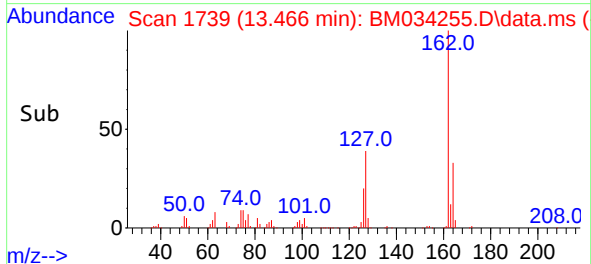
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:162 Resp: 11350
Ion Ratio Lower Upper
162 100
127 38.5 30.4 45.6
164 33.0 25.8 38.8

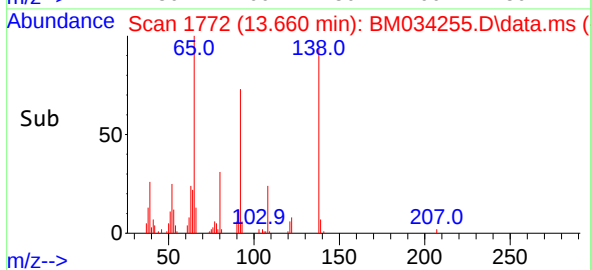
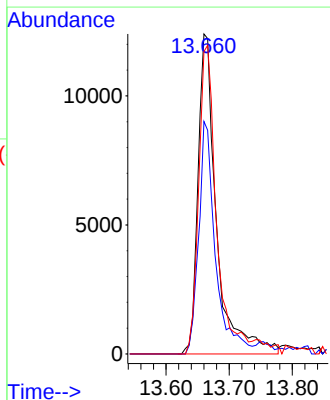
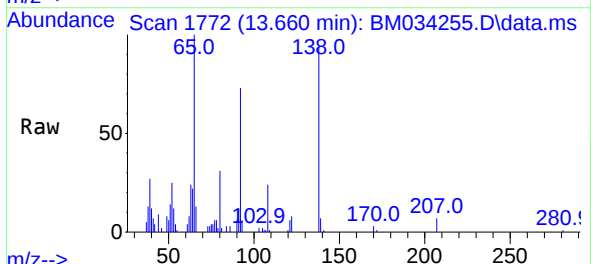
Manual Integrations
APPROVED

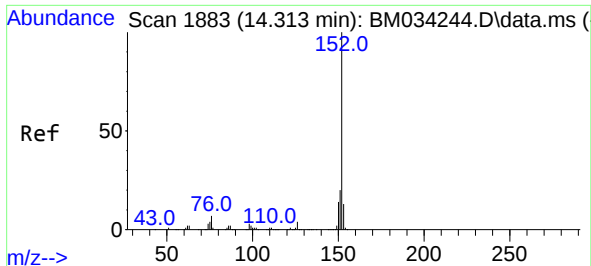
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#48
2-Nitroaniline
Concen: 3.225 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

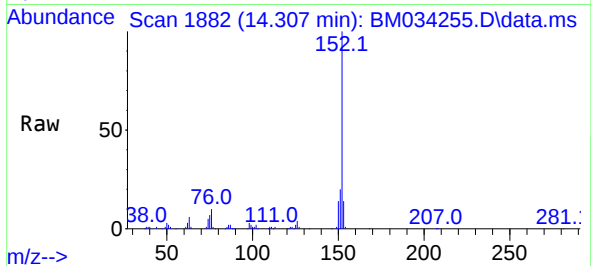
Tgt Ion: 65 Resp: 25256
Ion Ratio Lower Upper
65 100
92 72.6 53.8 80.8
138 94.5 79.9 119.9





#49
Acenaphthylene
Concen: 4.522 ng
RT: 14.307 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

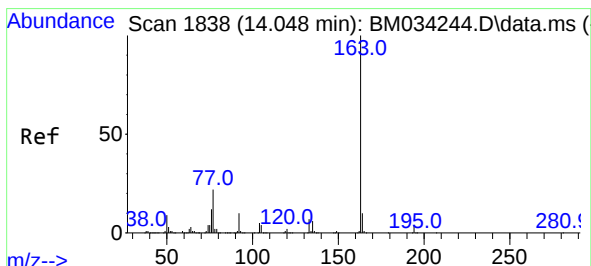
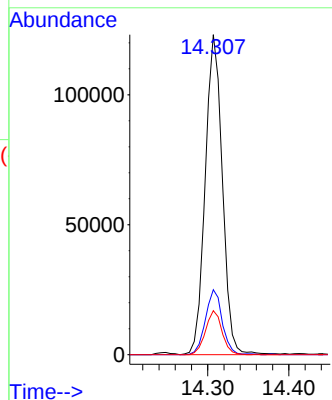
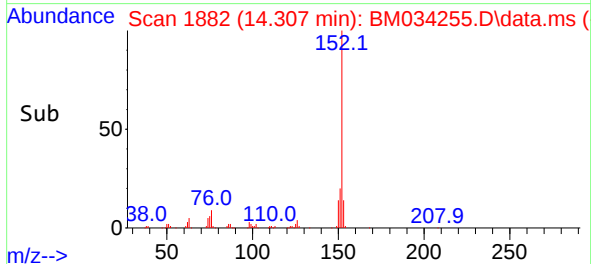
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



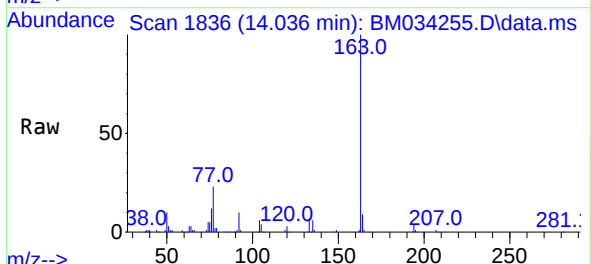
Tgt Ion:152 Resp: 18053
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.7 10.6 16.0

Manual Integrations
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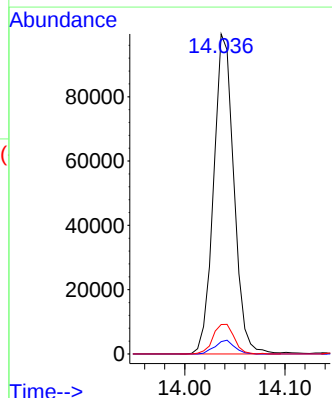
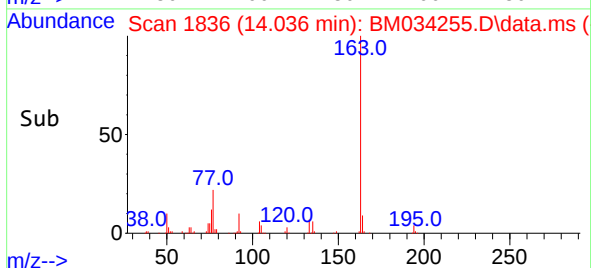
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

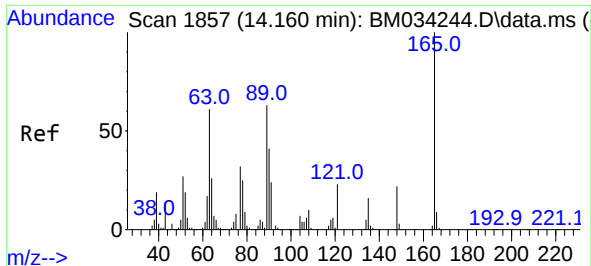


#50
Dimethylphthalate
Concen: 4.184 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



Tgt Ion:163 Resp: 139360
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.2 8.1 12.1





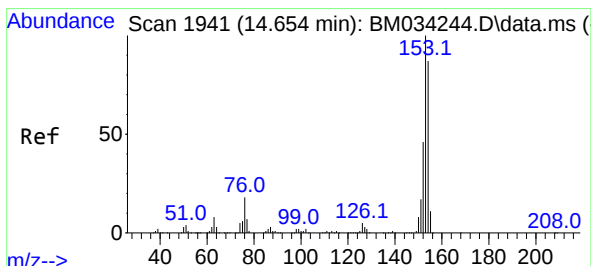
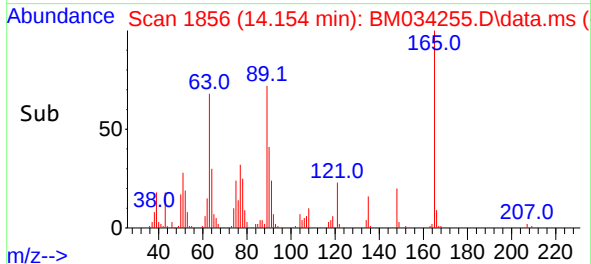
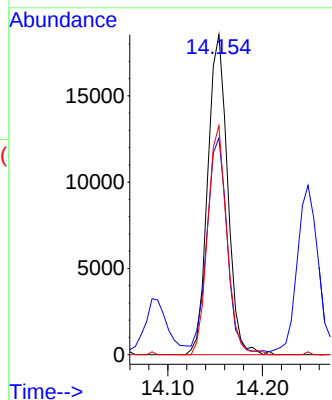
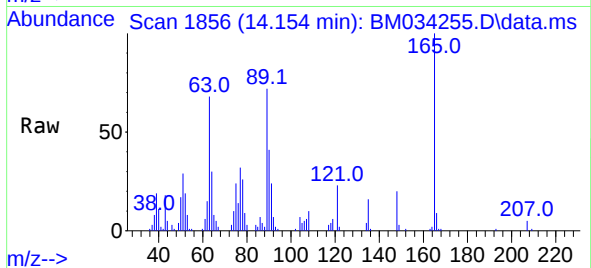
#51
2,6-Dinitrotoluene
Concen: 3.941 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:165 Resp: 2692
Ion Ratio Lower Upper
165 100
63 67.7 51.9 77.9
89 71.6 50.6 76.0

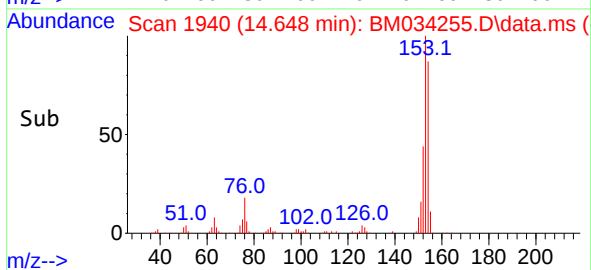
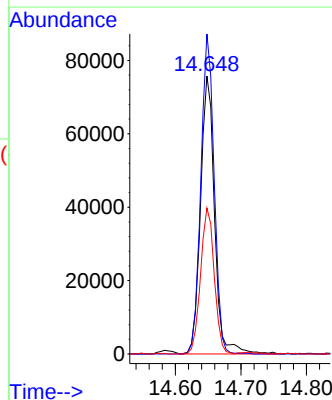
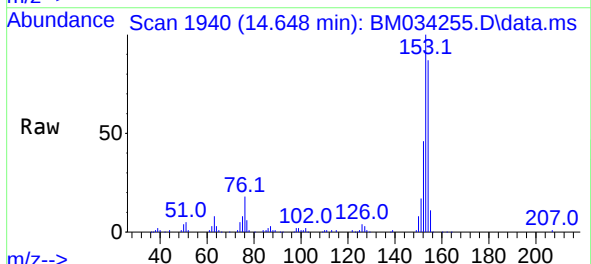
Manual Integrations
APPROVED

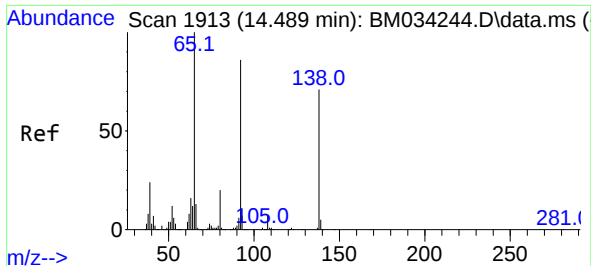
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#52
Acenaphthene
Concen: 4.203 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

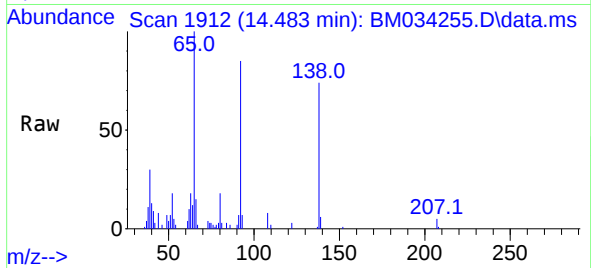
Tgt Ion:154 Resp: 113014
Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.8
152 52.5 42.6 64.0





#53
3-Nitroaniline
Concen: 2.800 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

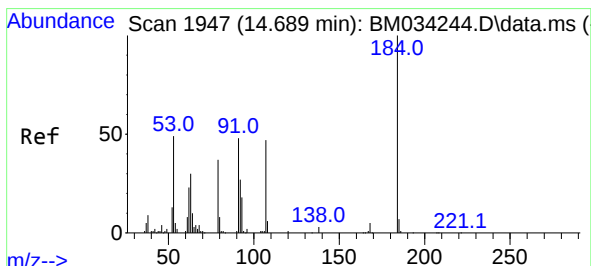
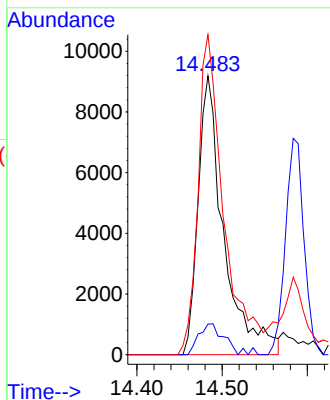
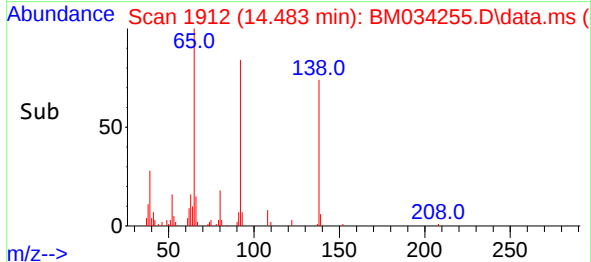
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



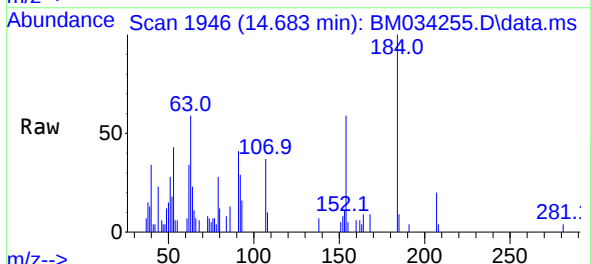
Tgt Ion:138 Resp: 1919
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 114.8 97.6 146.4

Manual Integrations
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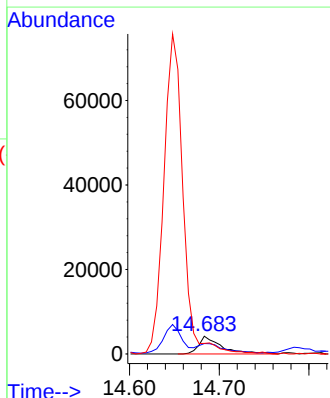
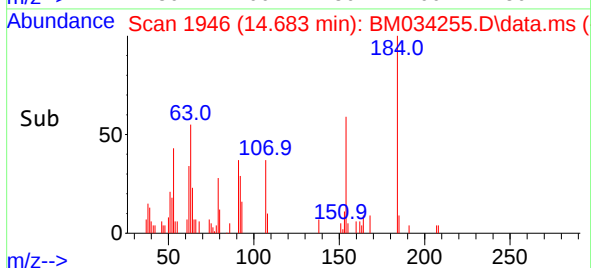
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

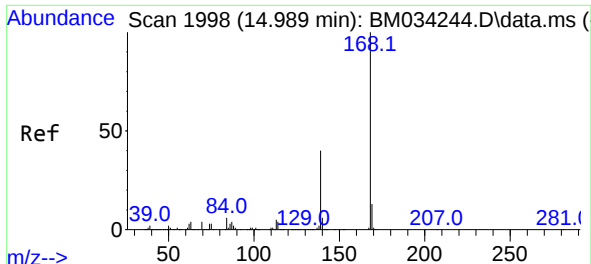


#54
2,4-Dinitrophenol
Concen: 1.927 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



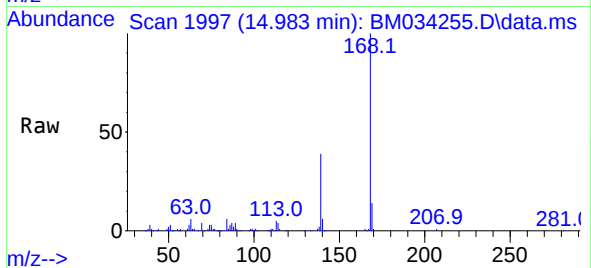
Tgt Ion:184 Resp: 7376
Ion Ratio Lower Upper
184 100
63 58.9 58.3 87.5
154 59.1 52.6 78.8





#55
Dibenzofuran
Concen: 4.267 ng
RT: 14.983 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

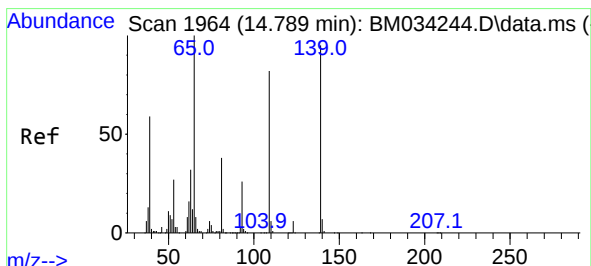
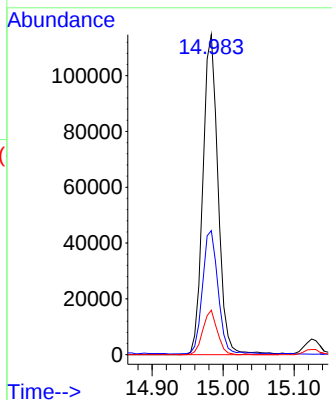
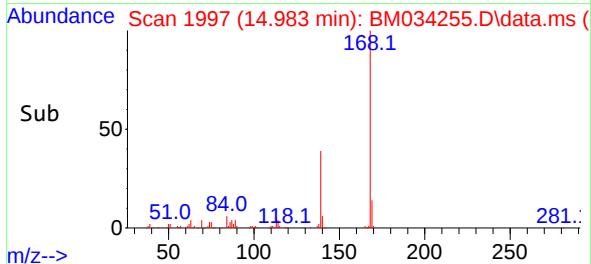
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 17100
Ion Ratio Lower Upper
168 100
139 38.8 32.4 48.6
169 13.9 10.8 16.2

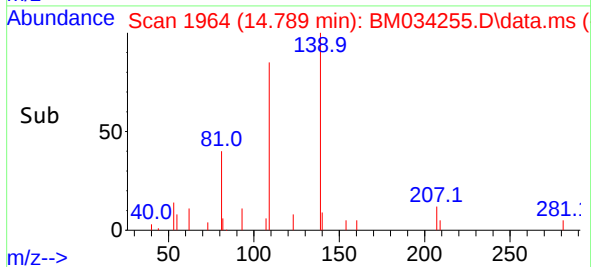
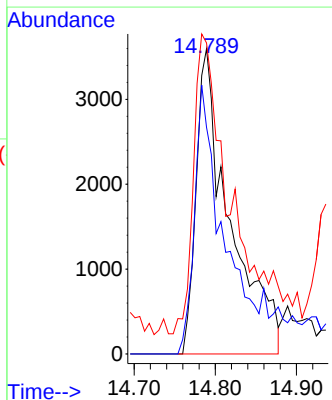
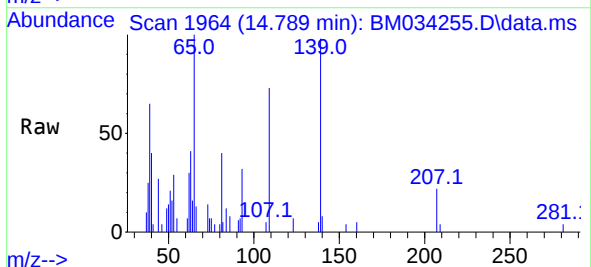
Manual Integrations
APPROVED

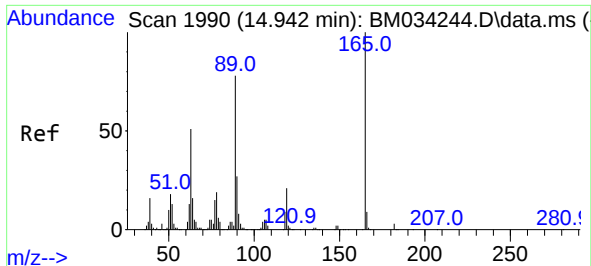
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#56
4-Nitrophenol
Concen: 1.851 ng
RT: 14.789 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

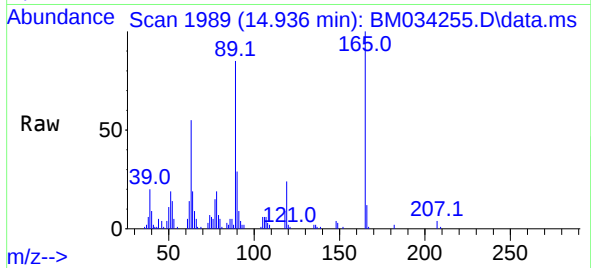
Tgt Ion:139 Resp: 10283
Ion Ratio Lower Upper
139 100
109 74.3 66.3 106.3
65 102.0 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 3.154 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

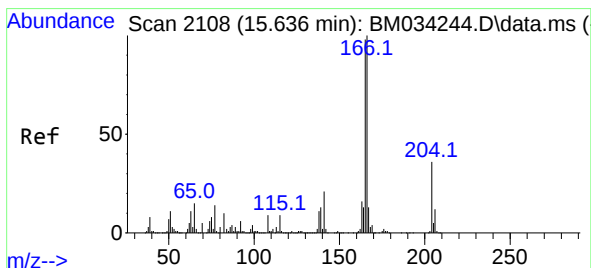
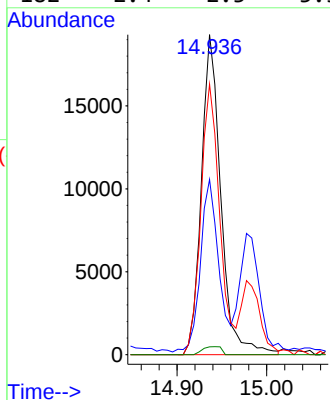
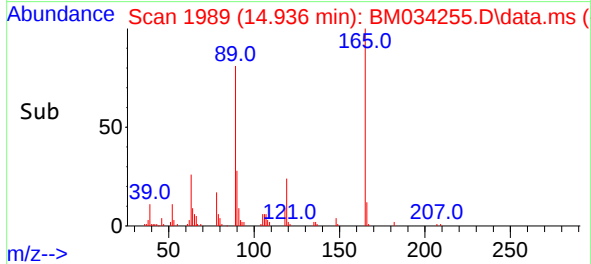
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 29124
Ion Ratio Lower Upper
165 100
63 54.7 40.6 61.0
89 84.5 62.7 94.1
182 2.4 2.3 3.5

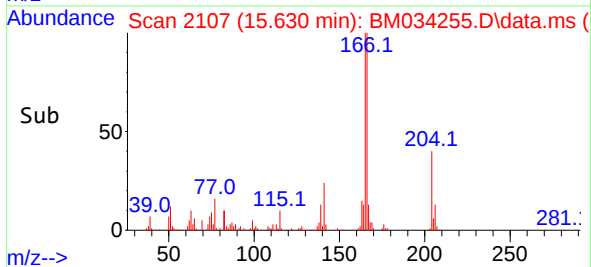
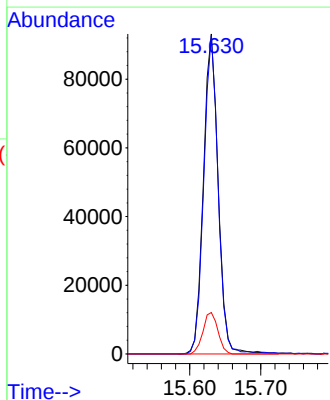
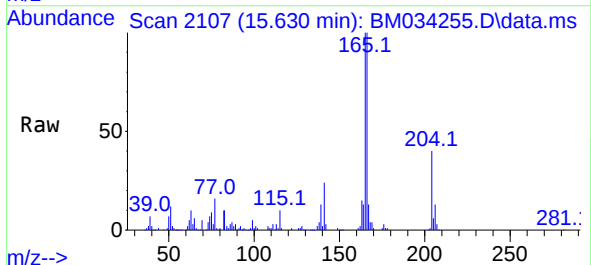
Manual Integrations
APPROVED

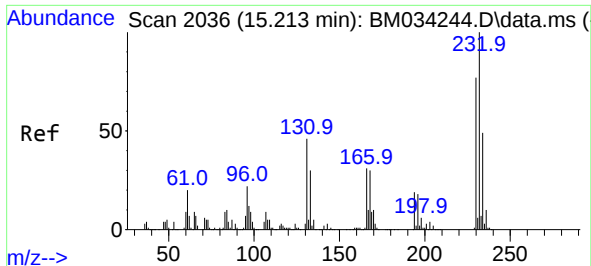
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 4.128 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

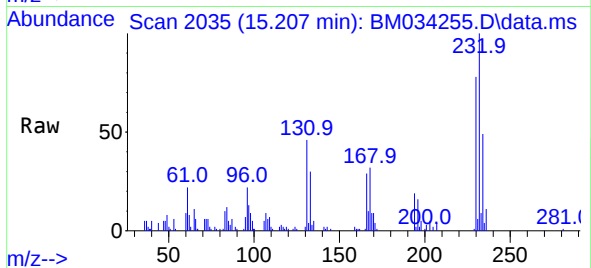
Tgt Ion:166 Resp: 134290
Ion Ratio Lower Upper
166 100
165 99.5 78.0 117.0
167 12.9 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.473 ng
RT: 15.207 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

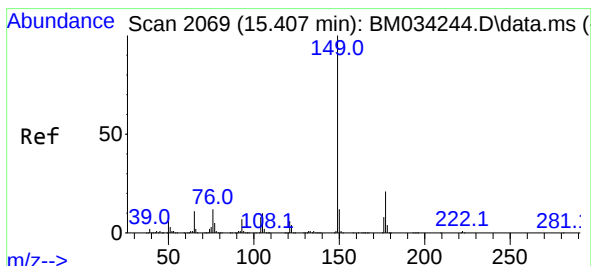
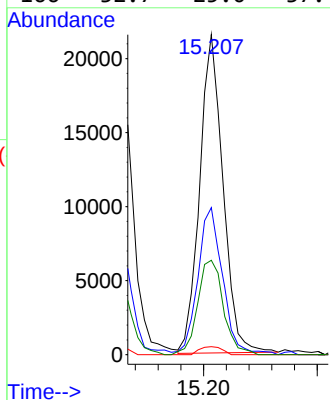
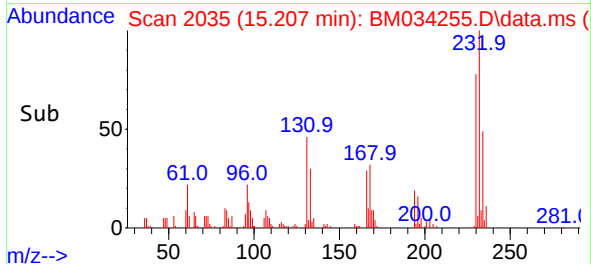
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



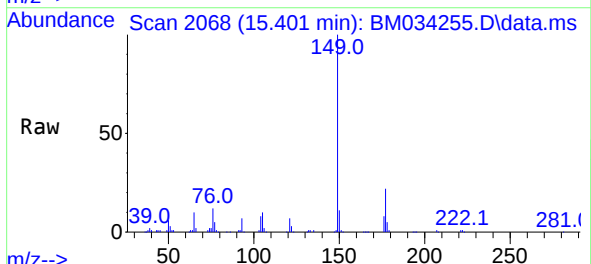
Tgt Ion:232 Resp: 3064
Ion Ratio Lower Upper
232 100
131 49.1 38.0 57.0
130 2.4 2.2 3.2
166 32.7 25.0 37.4

Manual Integrations
APPROVED

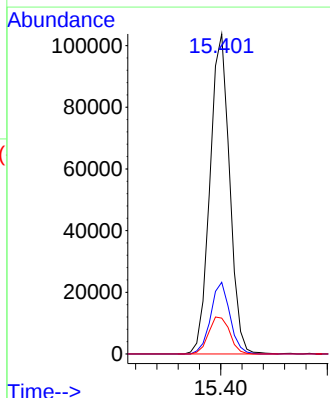
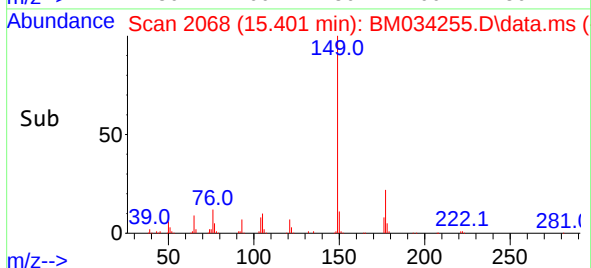
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

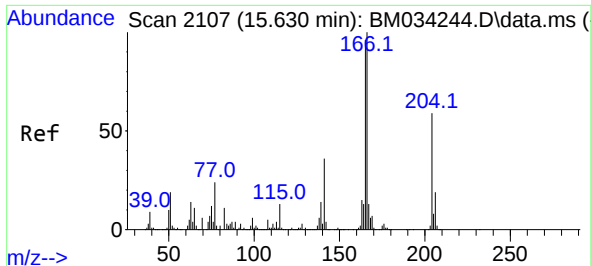


#60
Diethylphthalate
Concen: 3.887 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



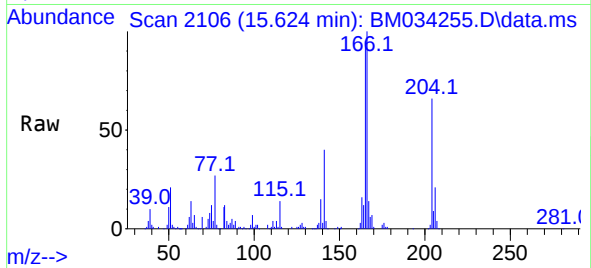
Tgt Ion:149 Resp: 132832
Ion Ratio Lower Upper
149 100
177 22.4 17.1 25.7
150 11.2 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.203 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

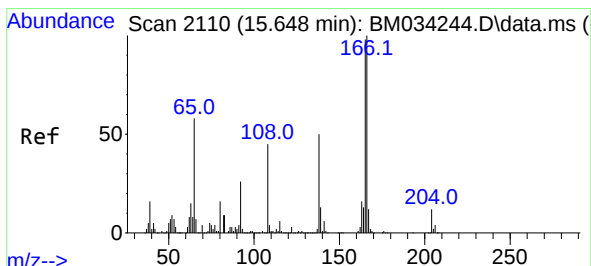
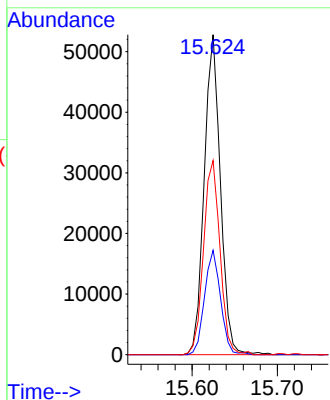
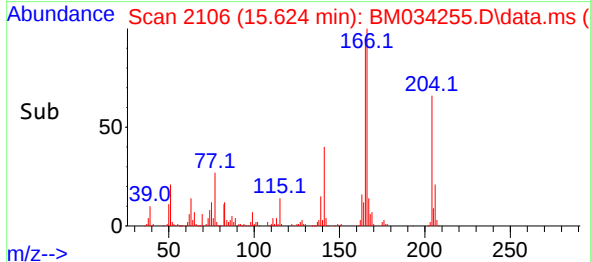
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



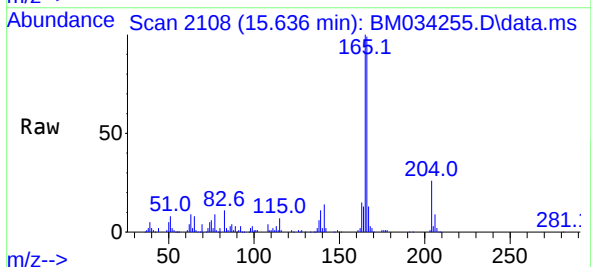
Tgt Ion:204 Resp: 6981
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 60.6 49.4 74.2

Manual Integrations
APPROVED

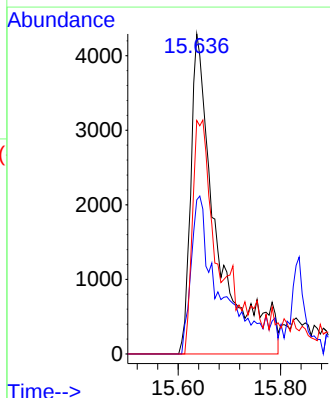
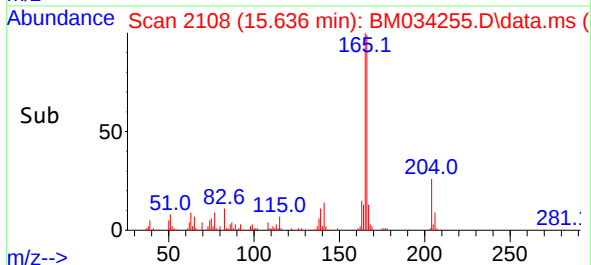
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

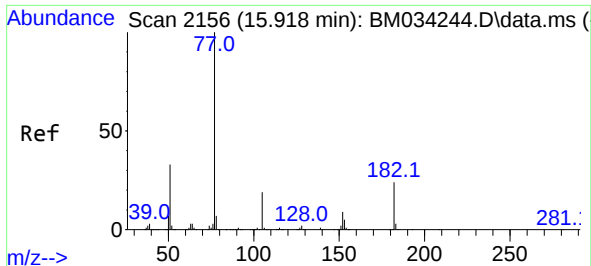


#62
4-Nitroaniline
Concen: 2.313 ng m
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



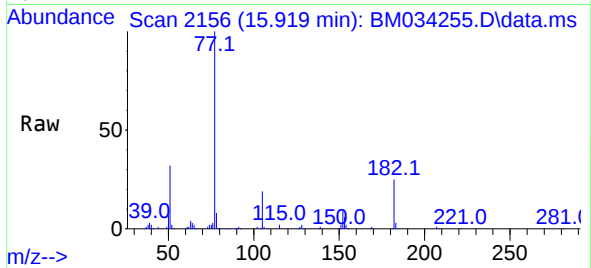
Tgt Ion:138 Resp: 15251
Ion Ratio Lower Upper
138 100
92 48.1 32.6 72.6
108 72.9 69.8 109.8





#63
Azobenzene
Concen: 3.814 ng
RT: 15.919 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

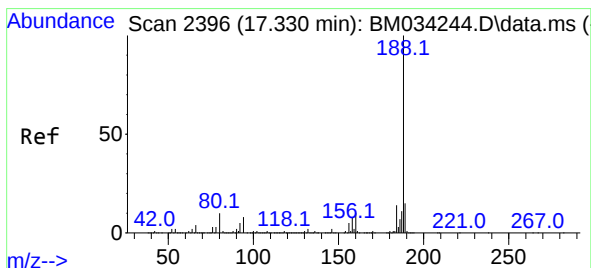
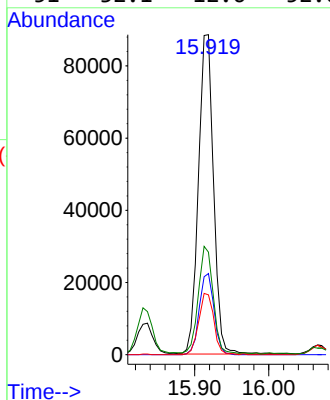
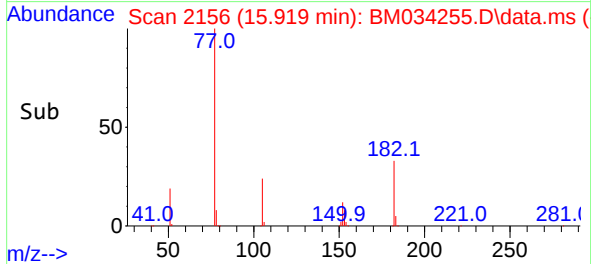
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 125680
Ion Ratio Lower Upper
77 100
182 25.4 4.4 44.4
105 18.7 0.0 38.7
51 32.1 12.6 52.6

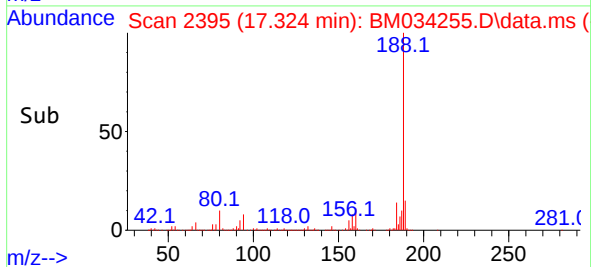
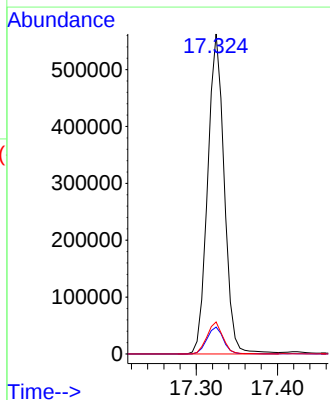
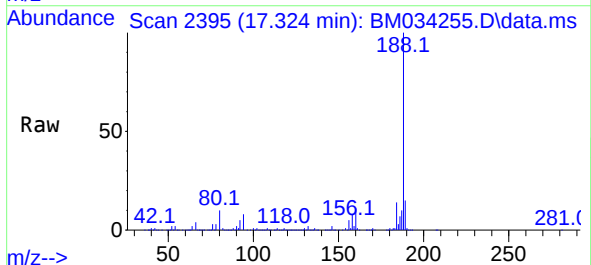
Manual Integrations
APPROVED

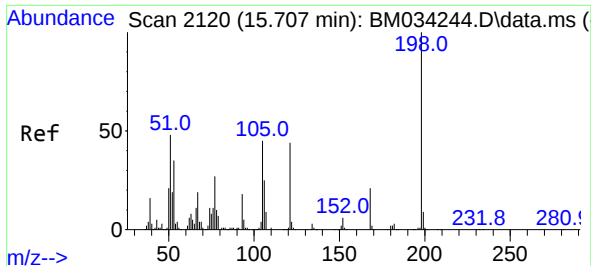
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Tgt Ion:188 Resp: 796924
Ion Ratio Lower Upper
188 100
94 8.4 6.6 9.8
80 10.0 7.8 11.8





#65

4,6-Dinitro-2-methylphenol

Concen: 2.586 ng

RT: 15.695 min Scan# 2118

Delta R.T. -0.012 min

Lab File: BM034255.D

Acq: 16 Mar 2022 12:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

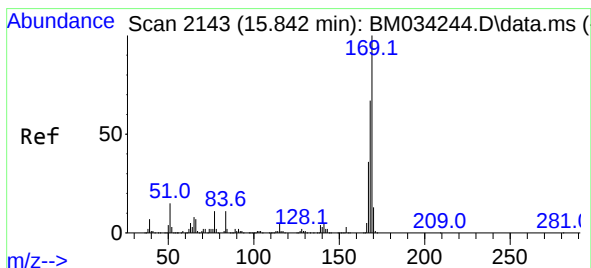
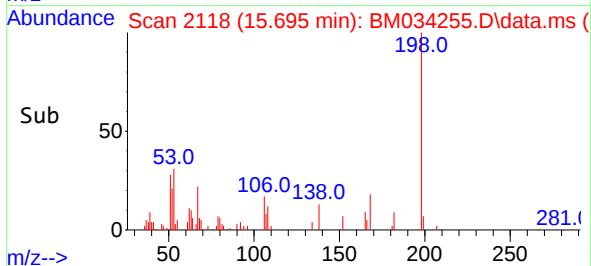
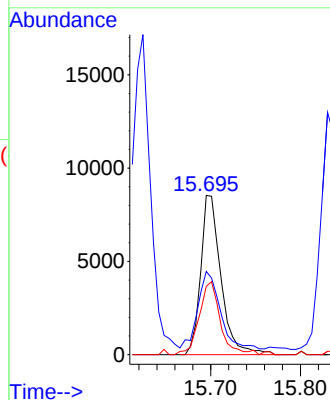
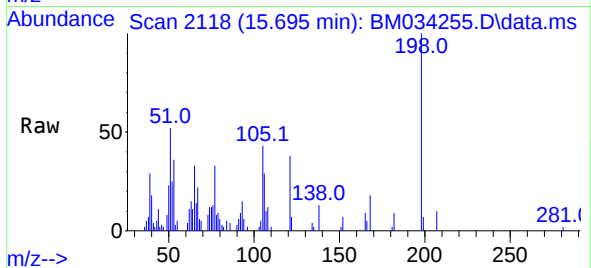
Tgt Ion:198	Resp:	1340
Ion Ratio	Lower	Upper
198	100	
51	52.3	29.0 69.0
105	42.9	25.3 65.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#66

n-Nitrosodiphenylamine

Concen: 4.319 ng

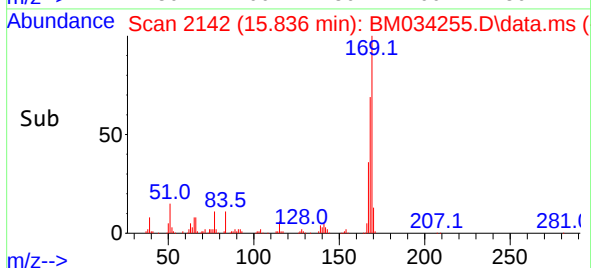
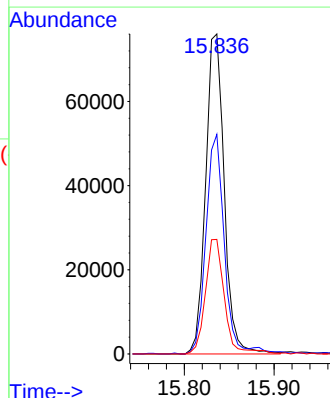
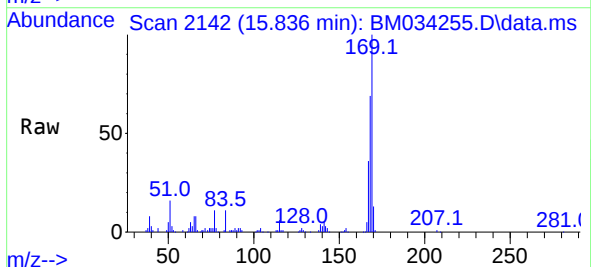
RT: 15.836 min Scan# 2142

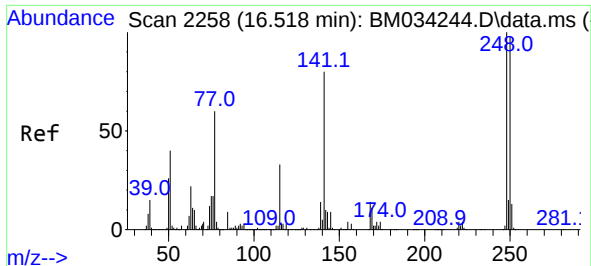
Delta R.T. -0.006 min

Lab File: BM034255.D

Acq: 16 Mar 2022 12:27

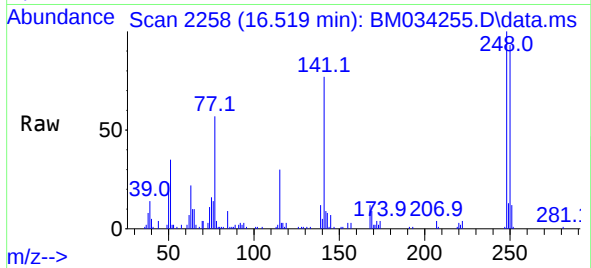
Tgt Ion:169	Resp:	109359
Ion Ratio	Lower	Upper
169	100	
168	68.6	53.9 80.9
167	35.8	29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 4.273 ng
RT: 16.519 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

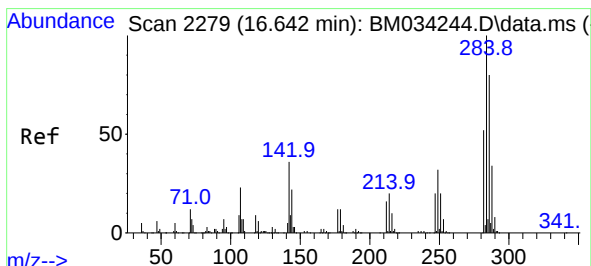
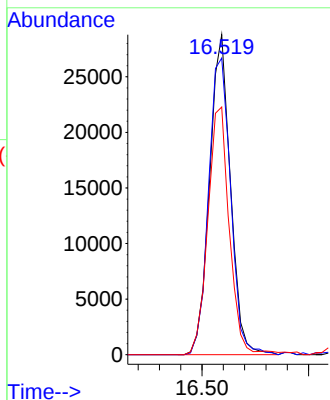
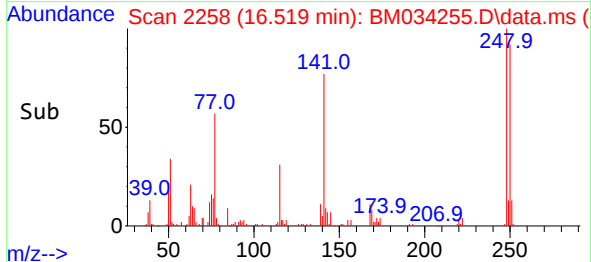
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



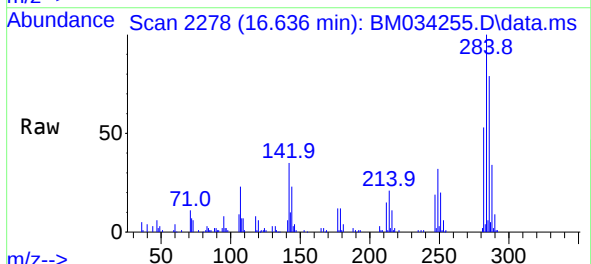
Tgt Ion:248 Resp: 39150
Ion Ratio Lower Upper
248 100
250 92.7 78.0 117.0
141 77.4 63.8 95.6

Manual Integrations
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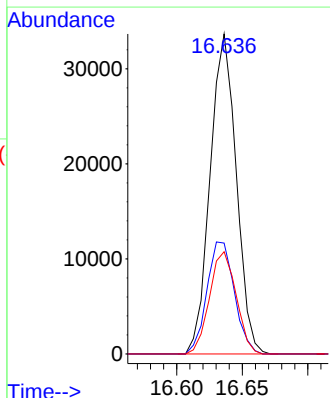
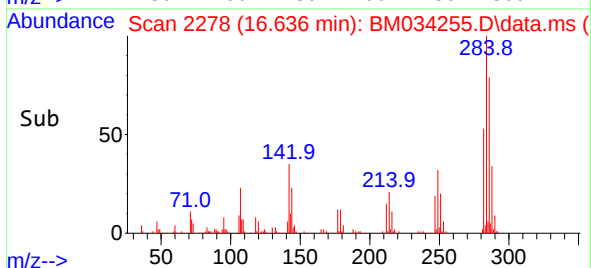
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

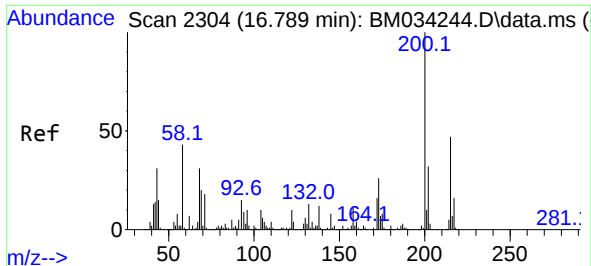


#68
Hexachlorobenzene
Concen: 4.563 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



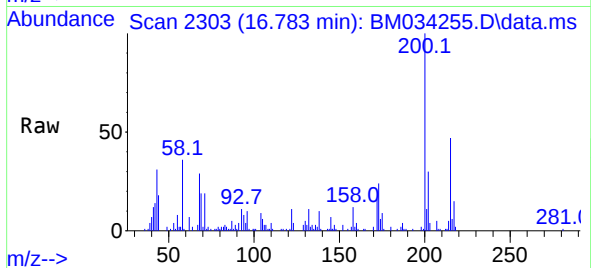
Tgt Ion:284 Resp: 46628
Ion Ratio Lower Upper
284 100
142 34.6 28.9 43.3
249 32.0 25.4 38.0





#69
Atrazine
Concen: 4.159 ng
RT: 16.783 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

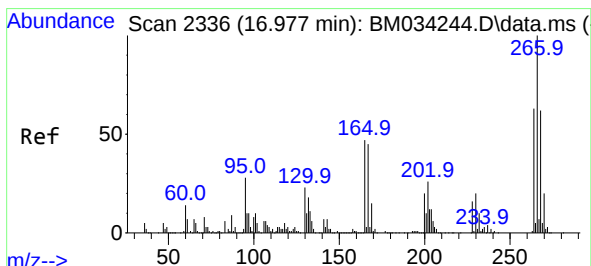
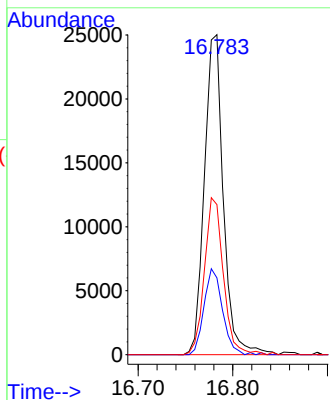
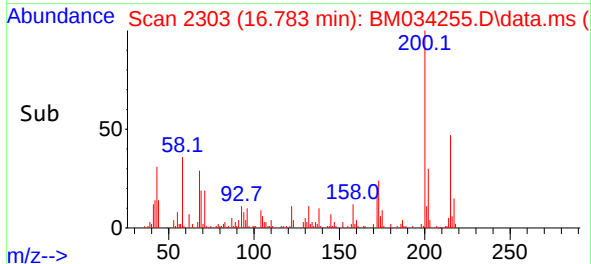
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



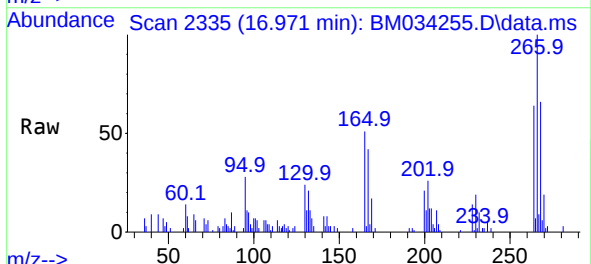
Tgt Ion:200 Resp: 34708
Ion Ratio Lower Upper
200 100
173 24.0 6.1 46.1
215 46.9 27.4 67.4

Manual Integrations
APPROVED

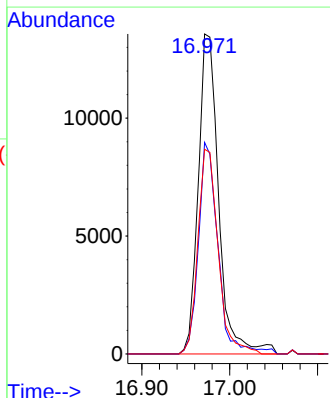
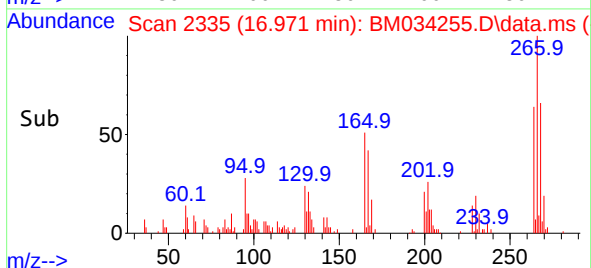
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

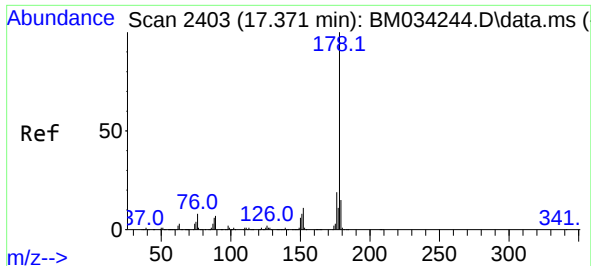


#70
Pentachlorophenol
Concen: 3.356 ng m
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



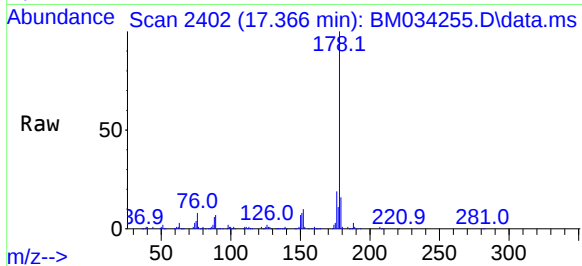
Tgt Ion:266 Resp: 21927
Ion Ratio Lower Upper
266 100
268 66.1 49.8 74.8
264 64.0 50.3 75.5





#71
Phenanthrene
Concen: 4.405 ng
RT: 17.366 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

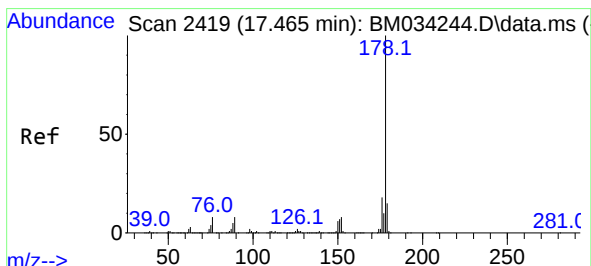
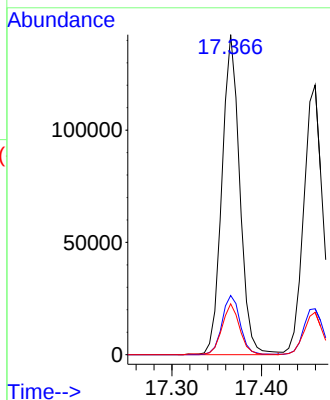
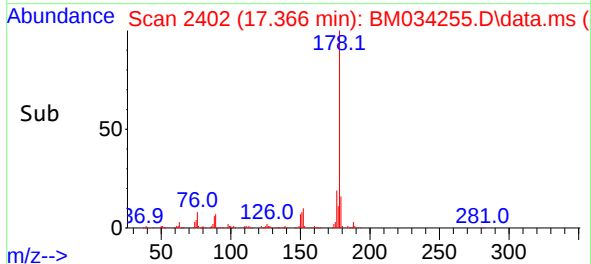
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



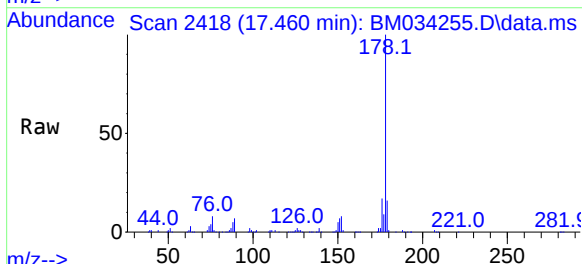
Tgt Ion:178 Resp: 196614
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.9 12.2 18.4

Manual Integrations
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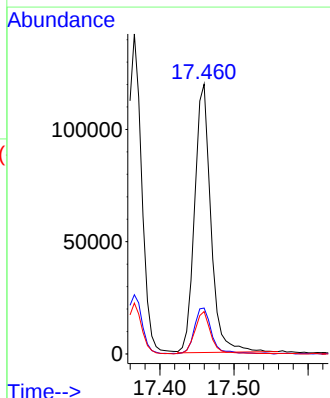
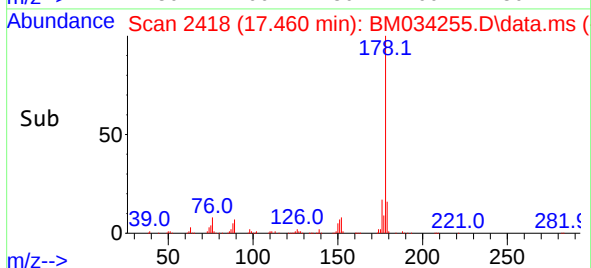
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

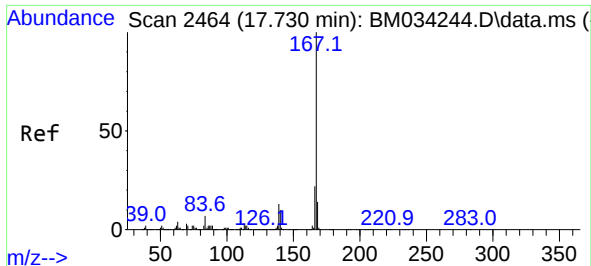


#72
Anthracene
Concen: 4.206 ng
RT: 17.460 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



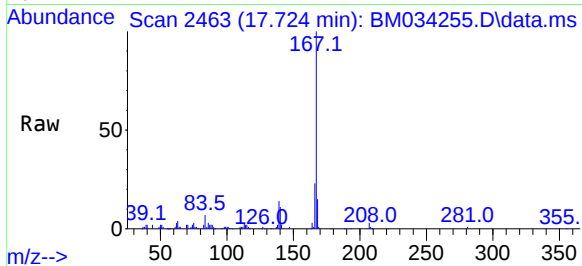
Tgt Ion:178 Resp: 182716
Ion Ratio Lower Upper
178 100
176 17.1 14.6 22.0
179 15.7 12.2 18.2





#73
Carbazole
Concen: 3.215 ng
RT: 17.724 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

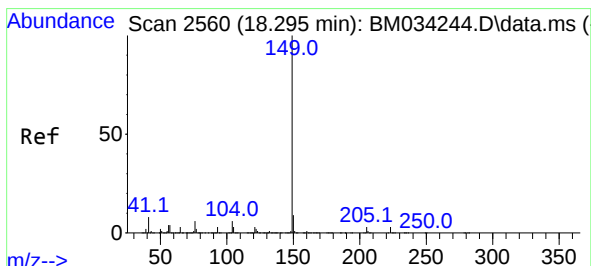
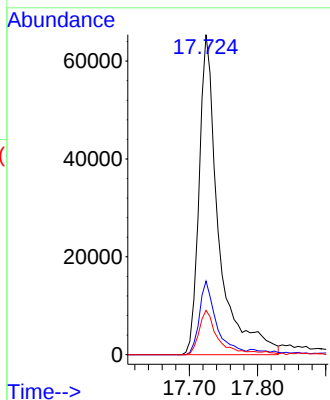
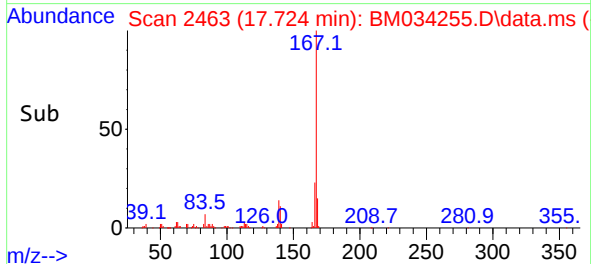
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:167 Resp: 130258
Ion Ratio Lower Upper
167 100
166 23.0 17.4 26.2
139 13.8 10.4 15.6

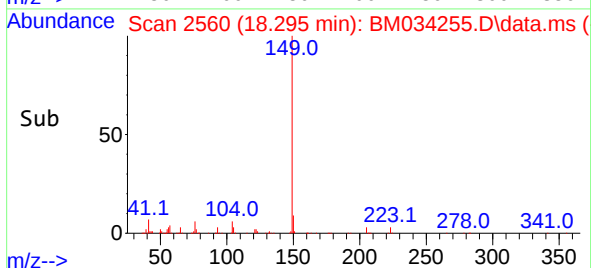
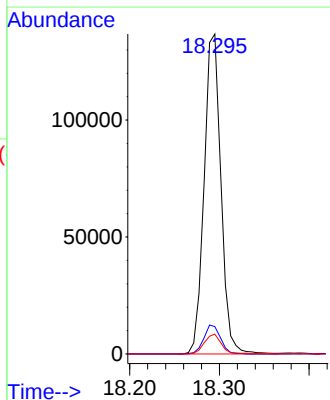
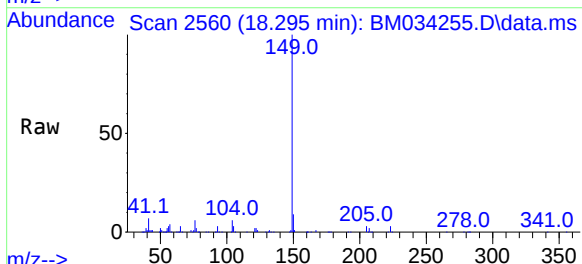
Manual Integrations
APPROVED

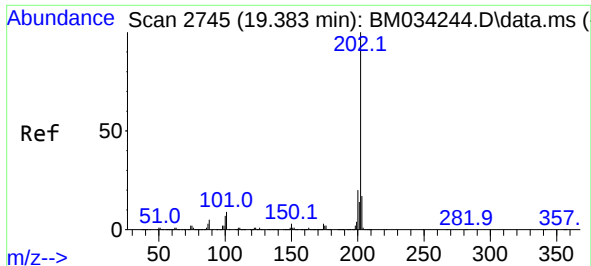
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#74
Di-n-butylphthalate
Concen: 3.536 ng
RT: 18.295 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

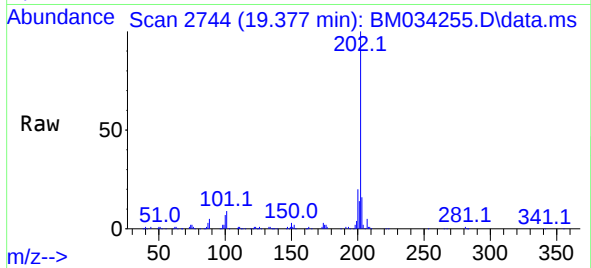
Tgt Ion:149 Resp: 178102
Ion Ratio Lower Upper
149 100
150 8.6 7.6 11.4
104 6.2 4.7 7.1





#75
Fluoranthene
Concen: 3.916 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

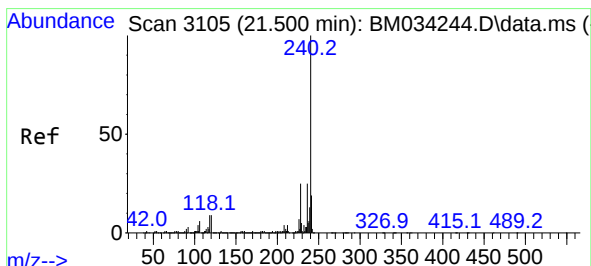
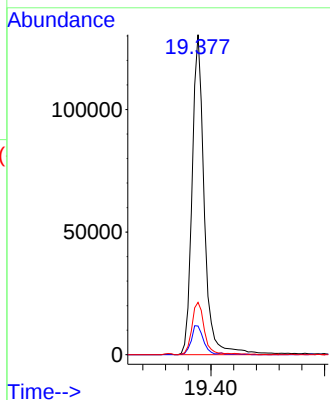
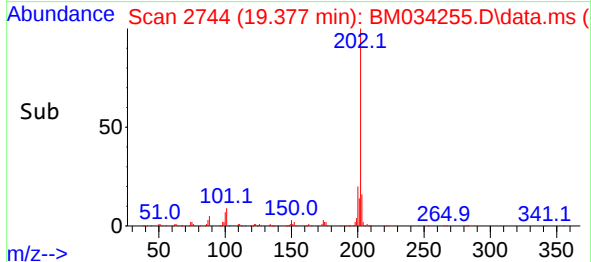
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:202 Resp: 19594
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.4
203 16.4 0.0 37.1

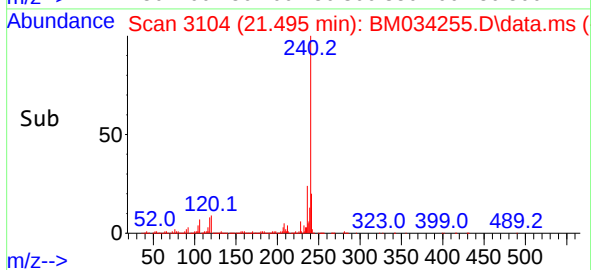
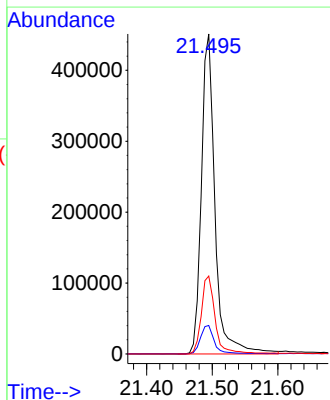
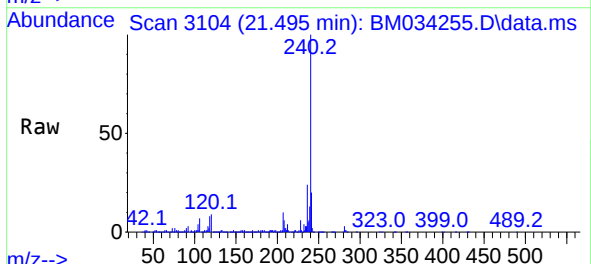
Manual Integrations
APPROVED

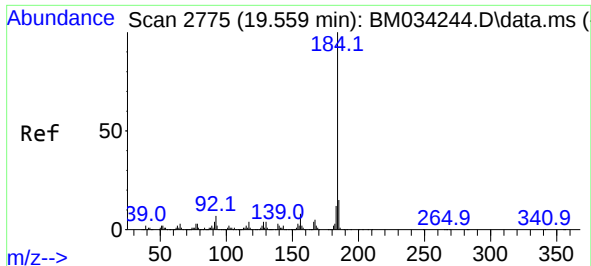
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

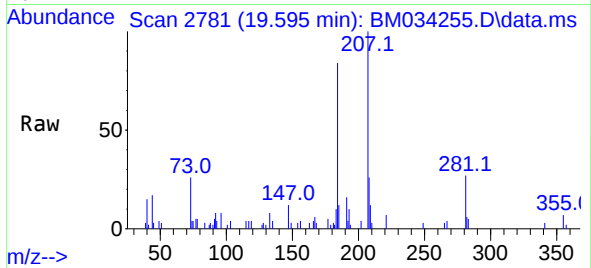
Tgt Ion:240 Resp: 651244
Ion Ratio Lower Upper
240 100
120 8.9 7.3 10.9
236 24.3 20.2 30.2





#77
Benzidine
Concen: 4.246 ng m
RT: 19.595 min Scan# 21
Delta R.T. 0.036 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

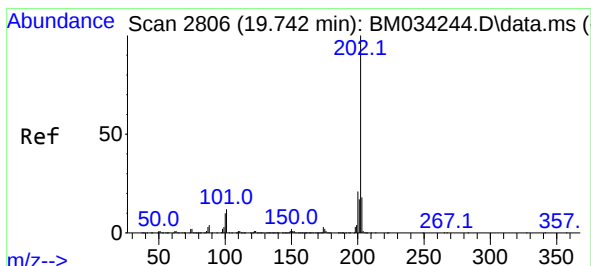
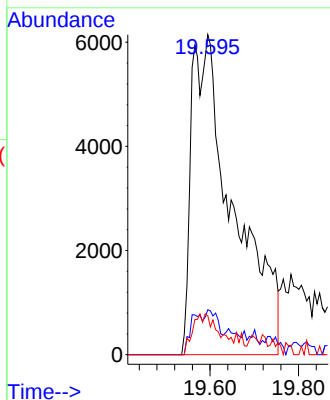
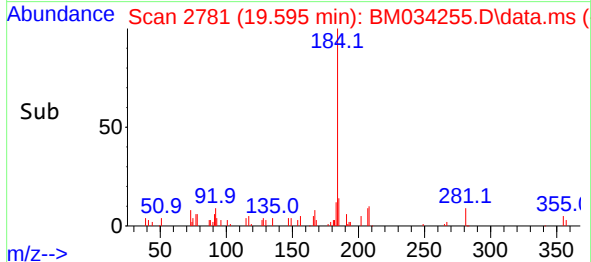
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



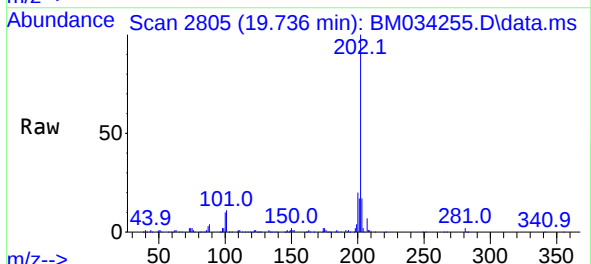
Tgt Ion:184 Resp: 40520
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 12.2 9.8 14.6

Manual Integrations
APPROVED

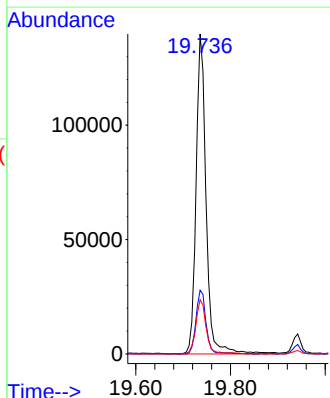
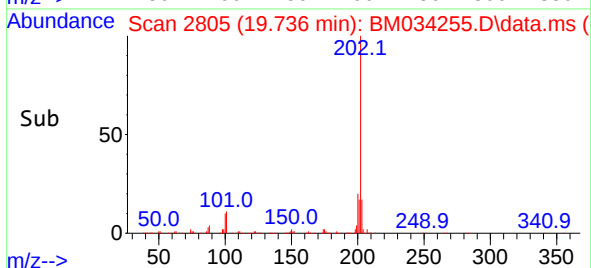
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

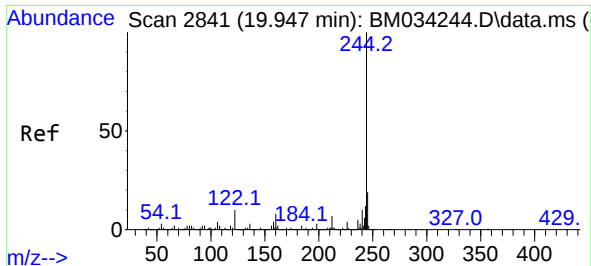


#78
Pyrene
Concen: 4.486 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



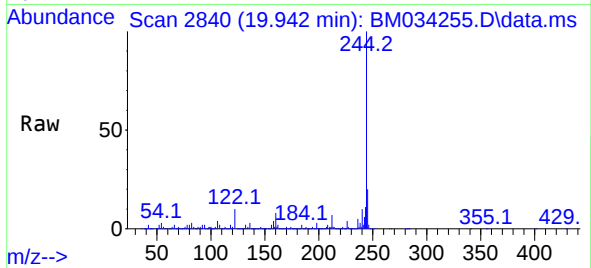
Tgt Ion:202 Resp: 205855
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 16.9 14.1 21.1





#79
Terphenyl-d14
Concen: 69.835 ng
RT: 19.942 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

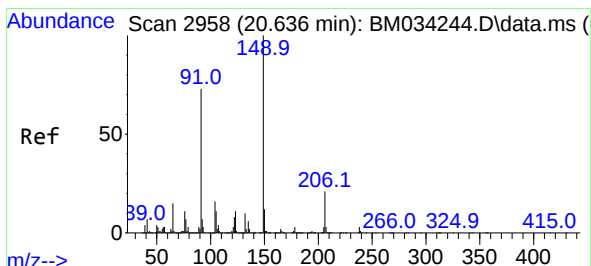
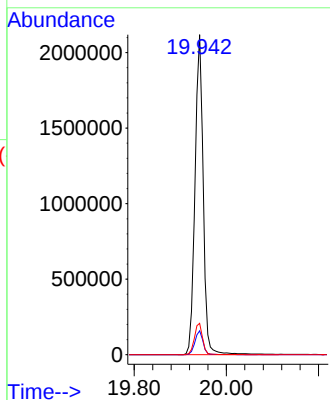
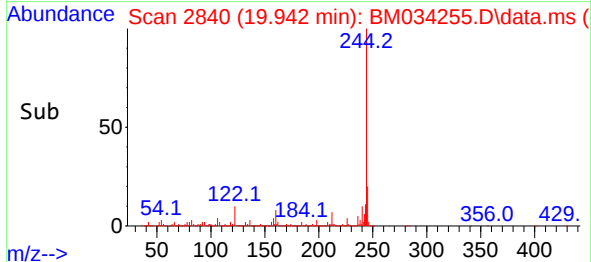
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:244 Resp: 261738
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 9.8 7.8 11.8

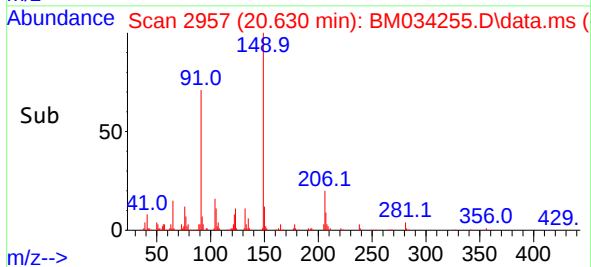
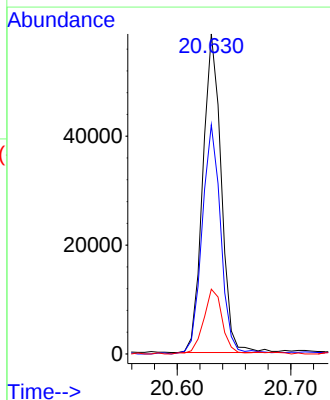
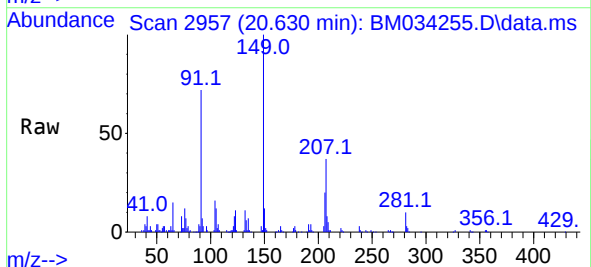
Manual Integrations
APPROVED

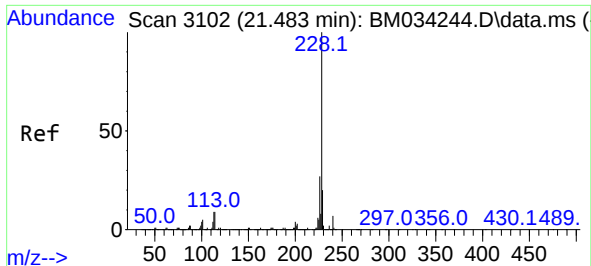
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#80
Butylbenzylphthalate
Concen: 3.406 ng
RT: 20.630 min Scan# 2957
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

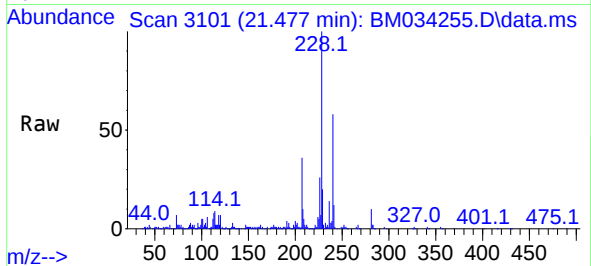
Tgt Ion:149 Resp: 66101
Ion Ratio Lower Upper
149 100
91 71.6 58.5 87.7
206 20.2 16.9 25.3





#81
Benzo(a)anthracene
Concen: 4.259 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

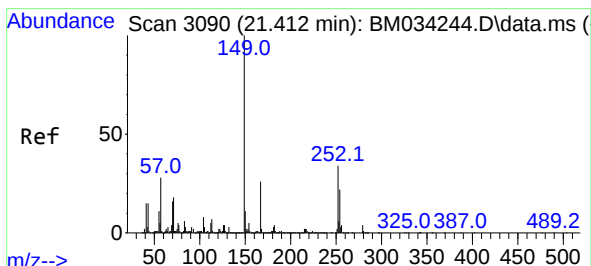
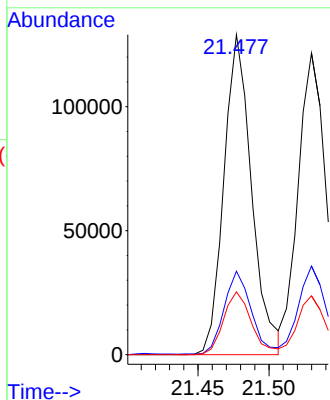
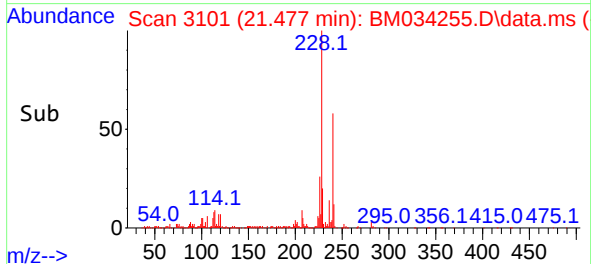
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 17504
Ion Ratio Lower Upper
228 100
226 26.1 21.6 32.4
229 19.7 15.8 23.6

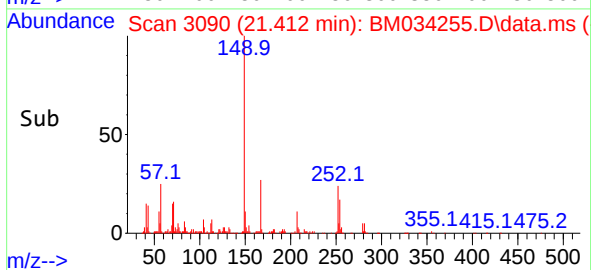
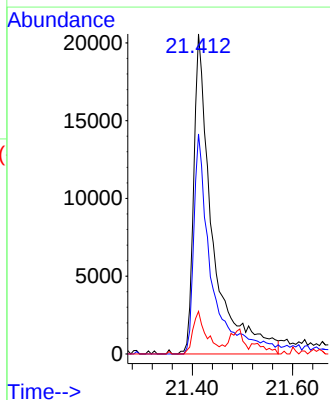
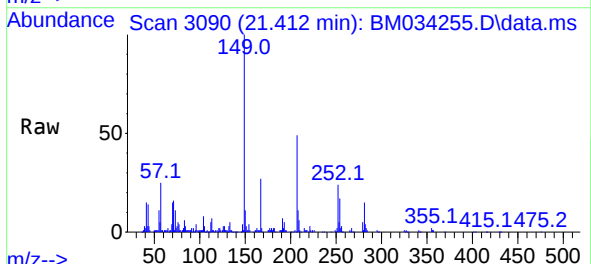
Manual Integrations
APPROVED

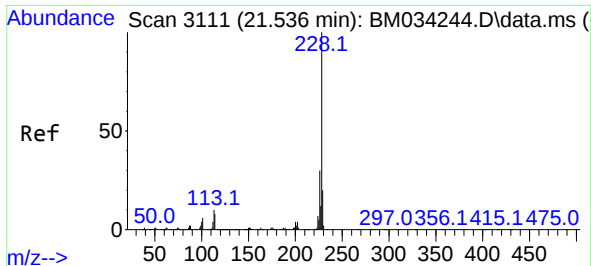
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.911 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

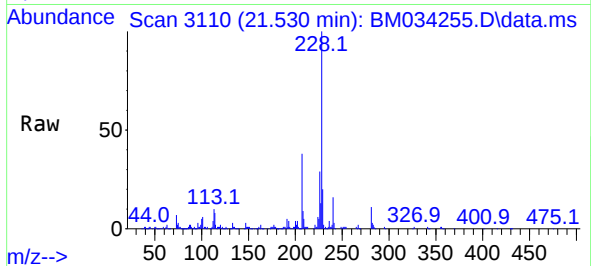
Tgt Ion:252 Resp: 53692
Ion Ratio Lower Upper
252 100
254 68.7 50.9 76.3
126 13.3 8.6 12.8





#83
Chrysene
Concen: 4.241 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

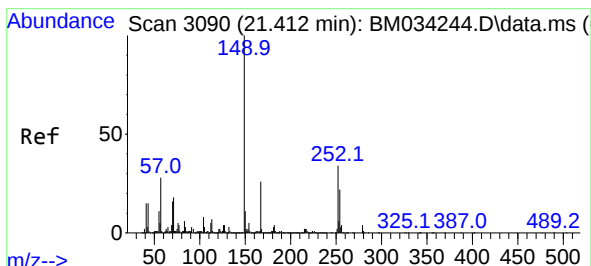
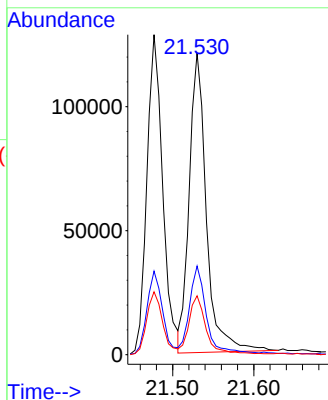
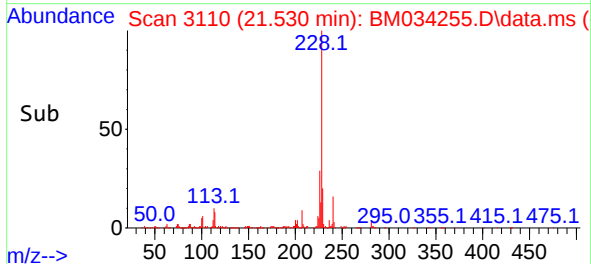
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 17802
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 19.5 15.6 23.4

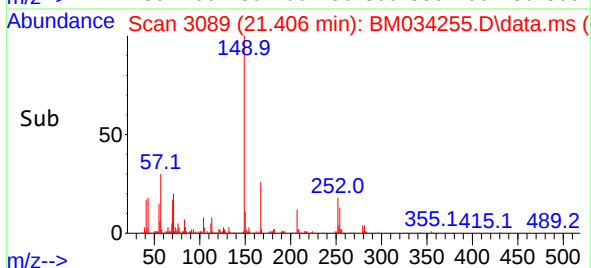
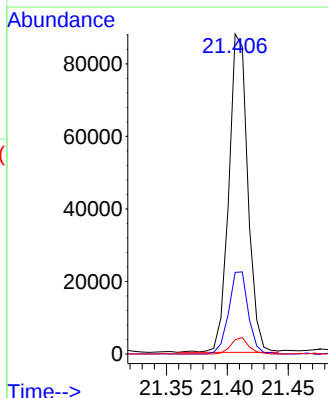
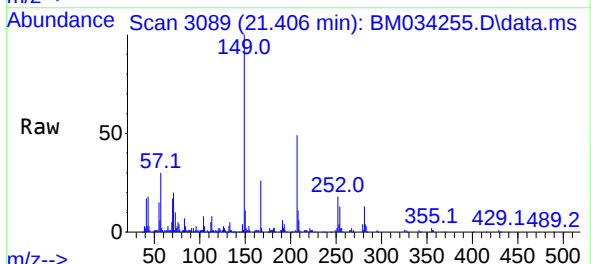
Manual Integrations
APPROVED

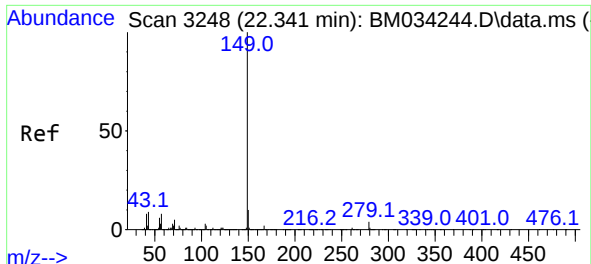
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.318 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

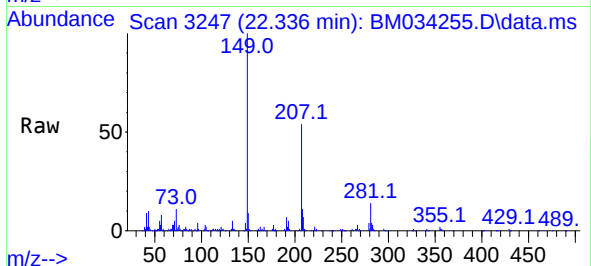
Tgt Ion:149 Resp: 95077
Ion Ratio Lower Upper
149 100
167 25.5 21.2 31.8
279 4.4 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 3.447 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

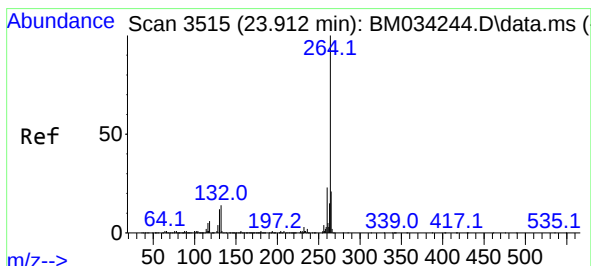
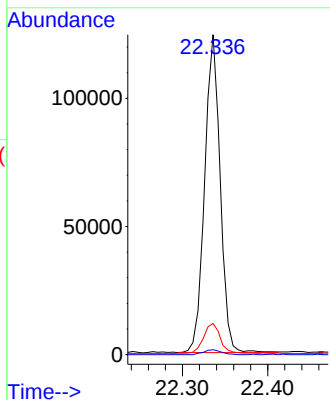
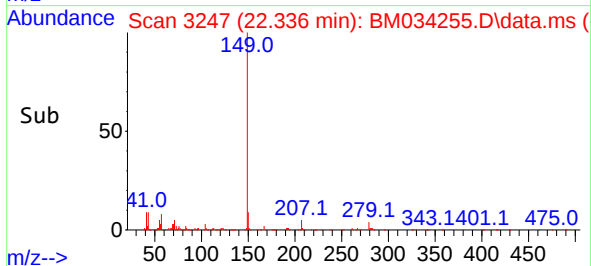
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:149 Resp: 15678
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 10.7 7.8 11.8

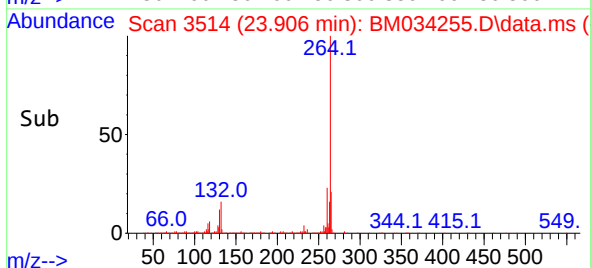
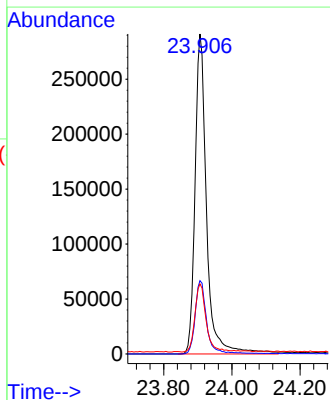
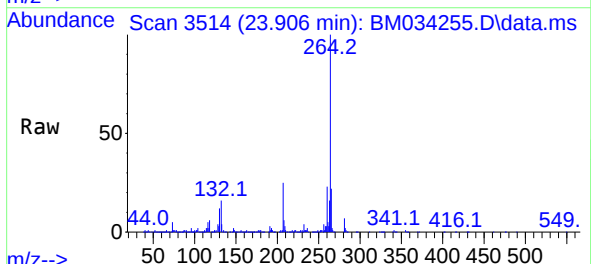
Manual Integrations
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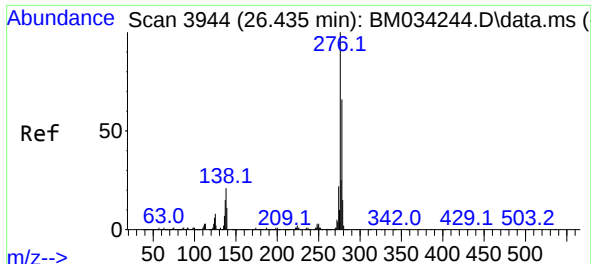
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Tgt Ion:264 Resp: 682467
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.9 17.6 26.4





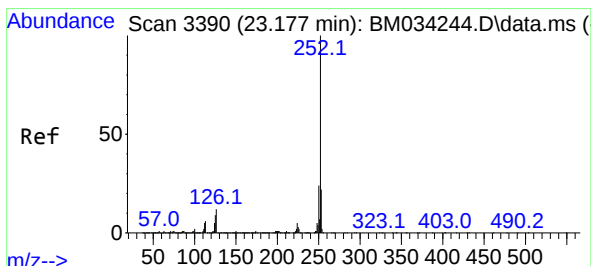
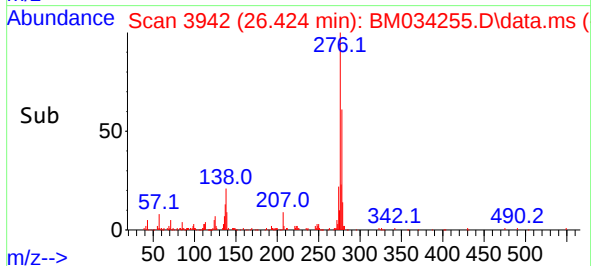
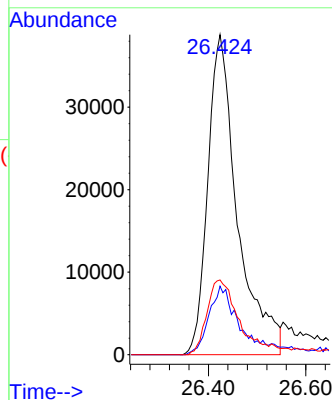
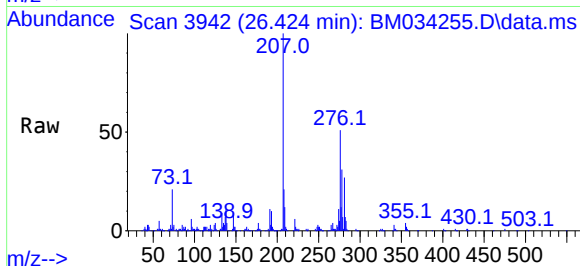
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.733 ng
RT: 26.424 min Scan# 3394
Delta R.T. -0.012 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:276 Resp: 163880
Ion Ratio Lower Upper
276 100
138 21.3 16.6 25.0
277 26.1 19.8 29.6

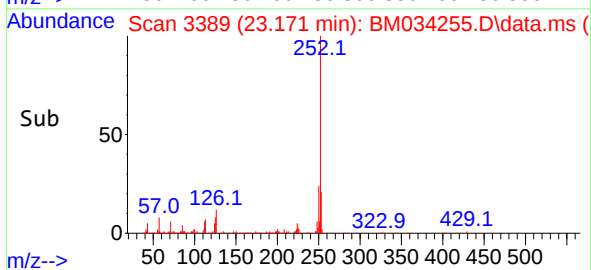
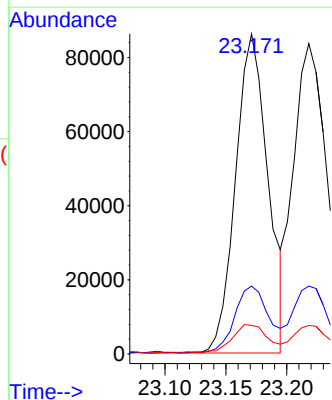
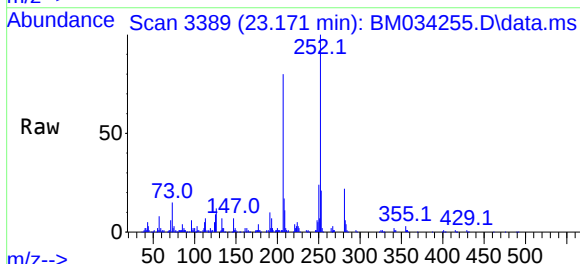
Manual Integrations
APPROVED

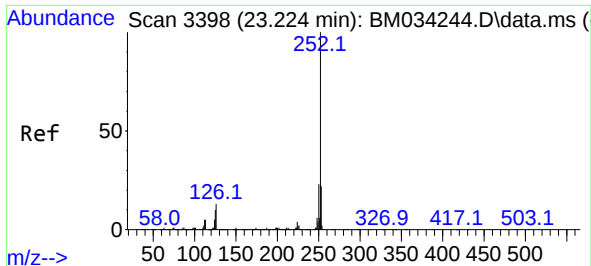
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#88
Benzo(b)fluoranthene
Concen: 3.911 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

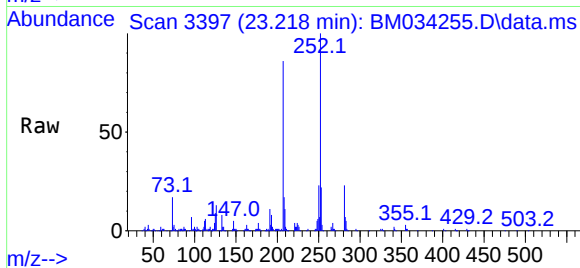
Tgt Ion:252 Resp: 159601
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 8.9 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 4.381 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

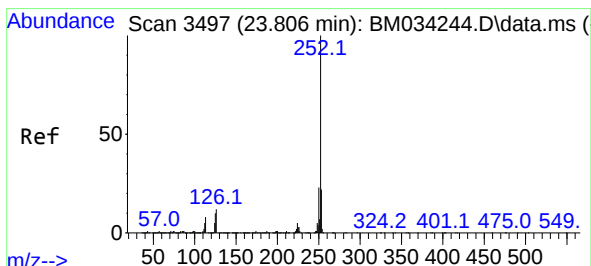
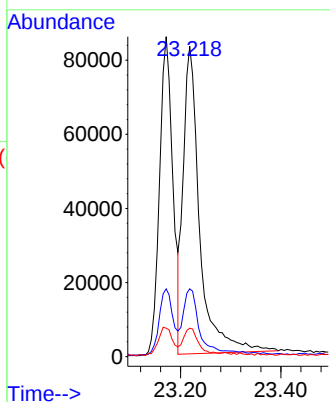
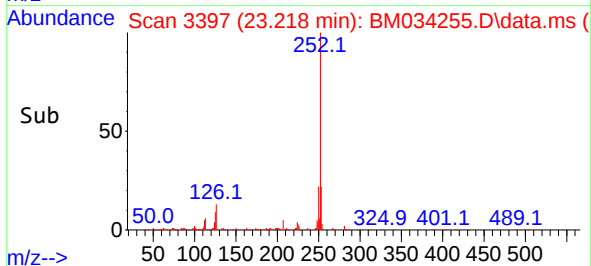
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



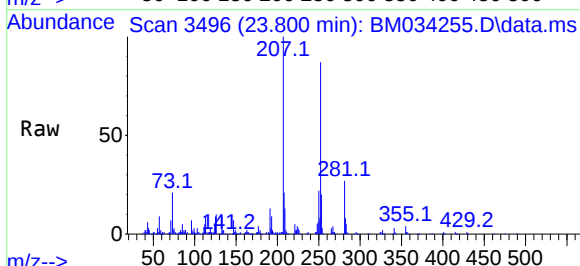
Tgt Ion:252 Resp: 18941
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 9.2 7.5 11.3

Manual Integrations
APPROVED

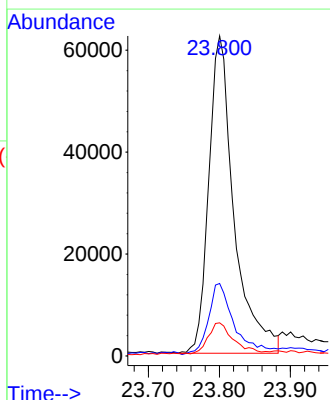
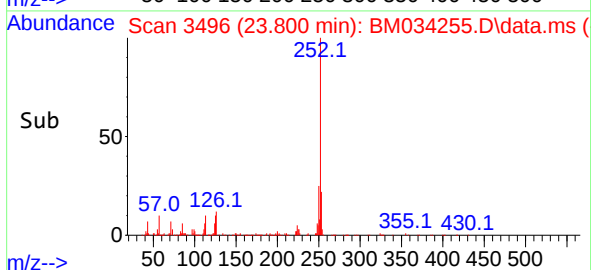
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

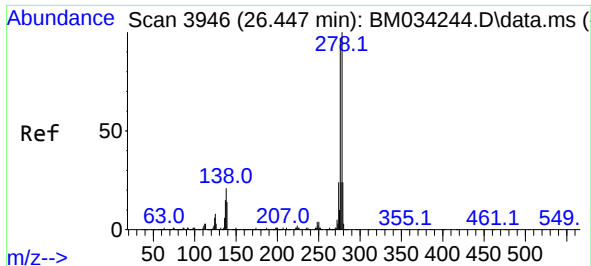


#90
Benzo(a)pyrene
Concen: 4.453 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



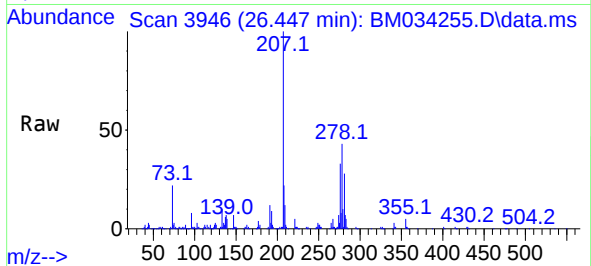
Tgt Ion:252 Resp: 154043
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.3 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 4.023 ng
RT: 26.447 min Scan# 3946
Delta R.T. 0.000 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27

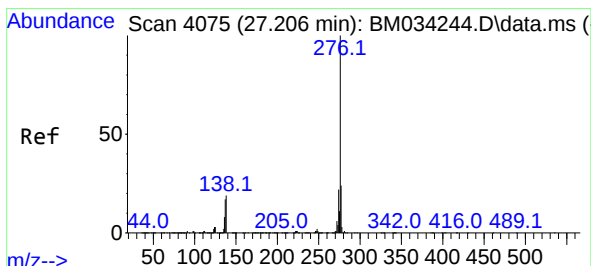
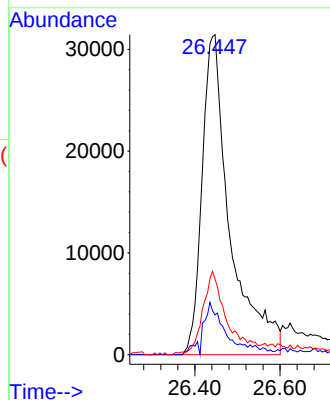
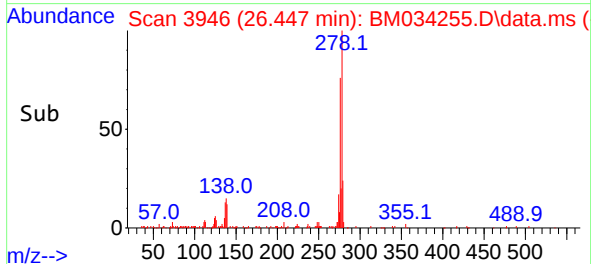
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



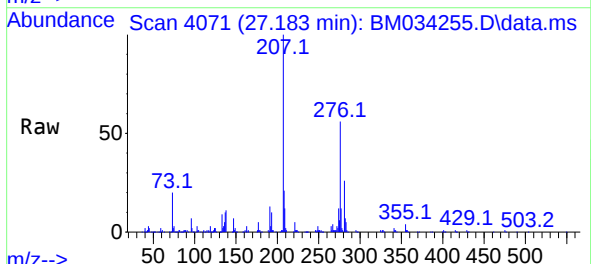
Tgt Ion: 278 Resp: 14319
Ion Ratio Lower Upper
278 100
139 12.4 11.2 16.8
279 23.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/17/2022
Supervised By : Jagrut Upadhyay 03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 4.541 ng
RT: 27.183 min Scan# 4071
Delta R.T. -0.023 min
Lab File: BM034255.D
Acq: 16 Mar 2022 12:27



Tgt Ion: 276 Resp: 167303
Ion Ratio Lower Upper
276 100
277 22.4 19.0 28.4
138 19.5 15.6 23.4

