

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
 Data File : BM034256.D
 Acq On : 16 Mar 2022 13:07
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 10ppn
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 16 13:42:16 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	159208	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	651184	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	414515	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	764817	20.000	ng	0.00
76) Chrysene-d12	21.495	240	584941	20.000	ng	0.00
86) Perylene-d12	23.906	264	557069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	916729	103.297	ng	0.00
7) Phenol-d6	7.101	99	1251694	98.509	ng	0.00
23) Nitrobenzene-d5	9.107	82	897974	67.138	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	541206	96.866	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2083682	68.691	ng	0.00
79) Terphenyl-d14	19.942	244	2453409	72.880	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	37058	9.229	ng	98
3) Pyridine	3.766	79	92251	8.490	ng	96
4) n-Nitrosodimethylamine	3.672	42	47325	9.173	ng	# 93
6) Aniline	7.266	93	144277	9.936	ng	99
8) 2-Chlorophenol	7.507	128	94171	9.072	ng	95
9) Benzaldehyde	7.078	77	88886m	12.984	ng	
10) Phenol	7.131	94	113951	9.017	ng	95
11) bis(2-Chloroethyl)ether	7.366	93	97975	9.445	ng	99
12) 1,3-Dichlorobenzene	7.837	146	111294	9.452	ng	97
13) 1,4-Dichlorobenzene	7.984	146	112674	9.347	ng	97
14) 1,2-Dichlorobenzene	8.301	146	107250	9.127	ng	99
15) Benzyl Alcohol	8.184	79	86060	8.511	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.478	45	134307	9.435	ng	97
17) 2-Methylphenol	8.390	107	80929	9.144	ng	99
18) Hexachloroethane	9.037	117	41427	9.318	ng	89
19) n-Nitroso-di-n-propyla...	8.754	70	85693	9.324	ng	99
20) 3+4-Methylphenols	8.719	107	103761	8.477	ng	97
22) Acetophenone	8.772	105	155361	9.297	ng	# 97
24) Nitrobenzene	9.148	77	122725	9.828	ng	99
25) Isophorone	9.678	82	222346	9.934	ng	98
26) 2-Nitrophenol	9.866	139	46319	8.364	ng	95
27) 2,4-Dimethylphenol	9.925	122	88218	10.174	ng	99
28) bis(2-Chloroethoxy)met...	10.166	93	133147	9.292	ng	98
29) 2,4-Dichlorophenol	10.401	162	87136	8.649	ng	98
30) 1,2,4-Trichlorobenzene	10.625	180	104457	9.121	ng	98
31) Naphthalene	10.813	128	317174	9.349	ng	100
32) Benzoic acid	10.013	122	62997	8.786	ng	95
33) 4-Chloroaniline	10.919	127	119976	8.965	ng	98
34) Hexachlorobutadiene	11.107	225	65515	9.032	ng	94
35) Caprolactam	11.672	113	25948	7.409	ng	96
36) 4-Chloro-3-methylphenol	12.036	107	98896	8.566	ng	98
37) 2-Methylnaphthalene	12.419	142	225797	9.328	ng	100
38) 1-Methylnaphthalene	12.636	142	219069	9.251	ng	99
40) 1,2,4,5-Tetrachloroben...	12.789	216	121971	9.750	ng	99
41) Hexachlorocyclopentadiene	12.778	237	101898	14.068	ng	99
43) 2,4,6-Trichlorophenol	13.025	196	73753	8.540	ng	99

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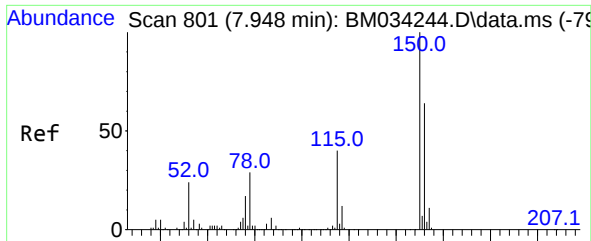
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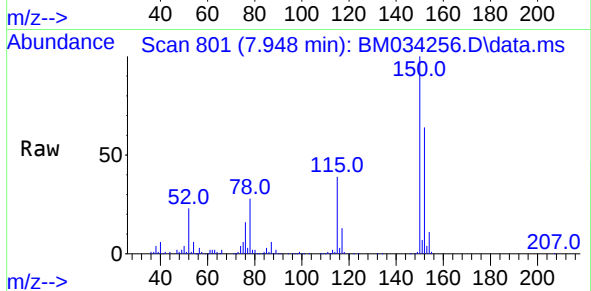
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	78600	8.479	ng	98
46) 1,1'-Biphenyl	13.425	154	308013	9.745	ng	100
47) 2-Chloronaphthalene	13.466	162	228387	9.414	ng	96
48) 2-Nitroaniline	13.660	65	59140	7.974	ng	94
49) Acenaphthylene	14.307	152	370878	9.808	ng	99
50) Dimethylphthalate	14.042	163	280286	8.884	ng	99
51) 2,6-Dinitrotoluene	14.154	165	58097	8.978	ng	99
52) Acenaphthene	14.648	154	230330	9.043	ng	99
53) 3-Nitroaniline	14.483	138	46624	7.182	ng	94
54) 2,4-Dinitrophenol	14.683	184	30508	8.415	ng	98
55) Dibenzofuran	14.983	168	346427	9.127	ng	99
56) 4-Nitrophenol	14.783	139	30347	5.766	ng	99
57) 2,4-Dinitrotoluene	14.936	165	71012	8.118	ng	97
58) Fluorene	15.630	166	276362	8.969	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	69240	8.283	ng	99
60) Diethylphthalate	15.401	149	281104	8.685	ng	99
61) 4-Chlorophenyl-phenyle...	15.624	204	140471	8.929	ng	98
62) 4-Nitroaniline	15.636	138	38684	6.194	ng	97
63) Azobenzene	15.919	77	268057	8.588	ng	99
65) 4,6-Dinitro-2-methylph...	15.701	198	43673	8.782	ng	99
66) n-Nitrosodiphenylamine	15.836	169	233493	9.609	ng	98
67) 4-Bromophenyl-phenylether	16.518	248	81798	9.304	ng	99
68) Hexachlorobenzene	16.636	284	95150	9.703	ng	97
69) Atrazine	16.783	200	75059	9.372	ng	98
70) Pentachlorophenol	16.977	266	47828	7.627	ng	99
71) Phenanthrene	17.365	178	396129	9.249	ng	99
72) Anthracene	17.460	178	389571	9.345	ng	99
73) Carbazole	17.724	167	304545	7.833	ng	99
74) Di-n-butylphthalate	18.295	149	379096	7.843	ng	99
75) Fluoranthene	19.377	202	395524	8.237	ng	99
77) Benzidine	19.565	184	94163m	10.985	ng	
78) Pyrene	19.736	202	403077	9.780	ng	99
80) Butylbenzylphthalate	20.630	149	133002	7.631	ng	97
81) Benzo(a)anthracene	21.477	228	330782	8.960	ng	100
82) 3,3'-Dichlorobenzidine	21.412	252	99074	8.034	ng	96
83) Chrysene	21.530	228	343758	9.118	ng	99
84) Bis(2-ethylhexyl)phtha...	21.412	149	191826	7.453	ng	100
85) Di-n-octyl phthalate	22.336	149	302060	7.393	ng	99
87) Indeno(1,2,3-cd)pyrene	26.430	276	303086	8.458	ng	98
88) Benzo(b)fluoranthene	23.171	252	294501	8.841	ng	99
89) Benzo(k)fluoranthene	23.218	252	342749	9.713	ng	97
90) Benzo(a)pyrene	23.800	252	297680	10.541	ng	99
91) Dibenzo(a,h)anthracene	26.447	278	276001	9.499	ng	98
92) Benzo(g,h,i)perylene	27.194	276	296630	9.863	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

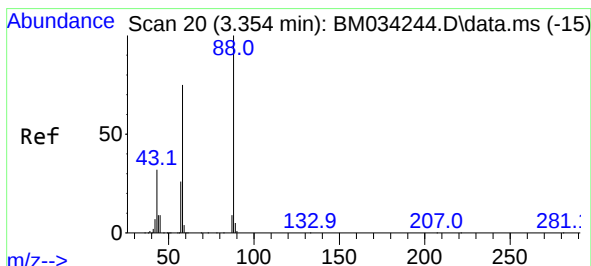
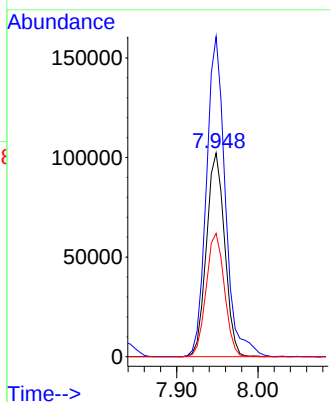
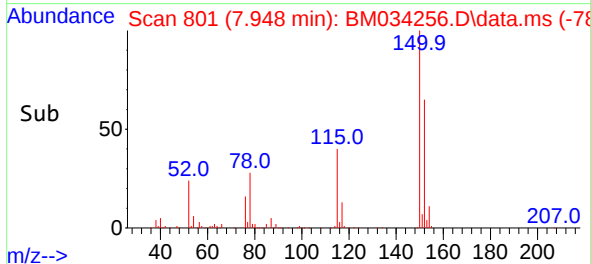
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



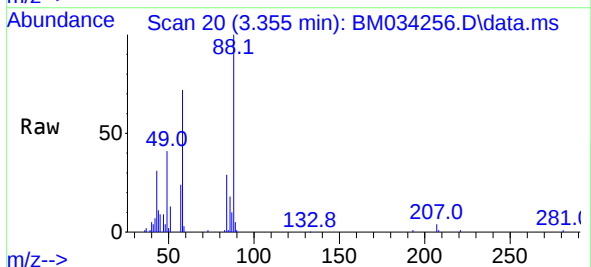
Tgt Ion:152 Resp: 159208
Ion Ratio Lower Upper
152 100
150 157.1 125.4 188.2
115 60.6 50.1 75.1

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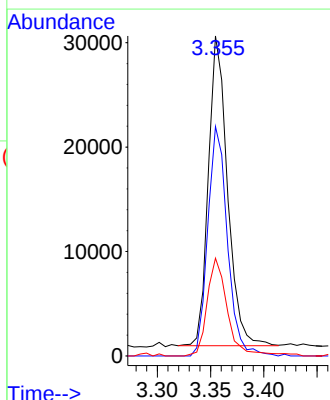
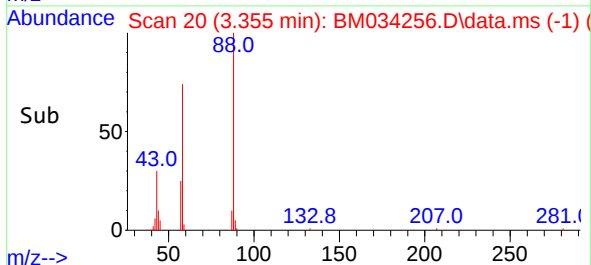
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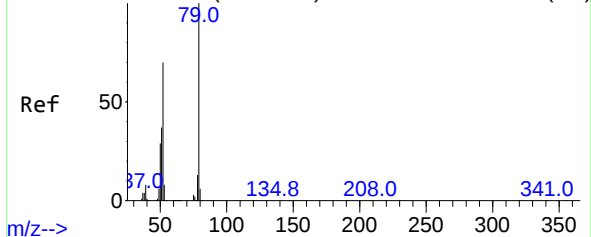
#2
1,4-Dioxane
Concen: 9.229 ng
RT: 3.355 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



Tgt Ion: 88 Resp: 37058
Ion Ratio Lower Upper
88 100
58 76.1 60.4 90.6
43 33.7 25.4 38.0



Abundance Scan 90 (3.766 min): BM034244.D\data.ms (-83)



#3

Pyridine

Concen: 8.490 ng

RT: 3.766 min Scan# 90

Delta R.T. 0.000 min

Lab File: BM034256.D

Acq: 16 Mar 2022 13:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion: 79 Resp: 9225

Ion Ratio Lower Upper

79 100

52 72.2 56.1 84.1

51 41.8 30.4 45.6

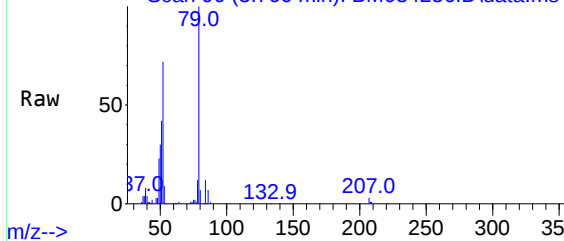
Manual Integrations

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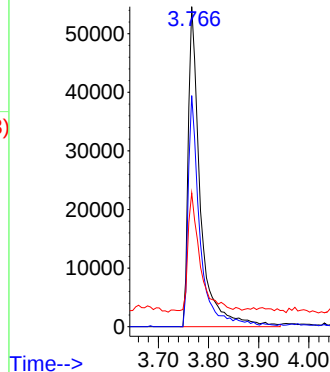
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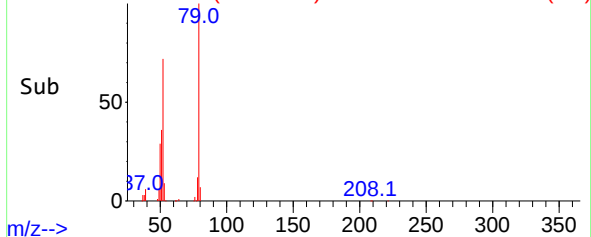
Abundance Scan 90 (3.766 min): BM034256.D\data.ms



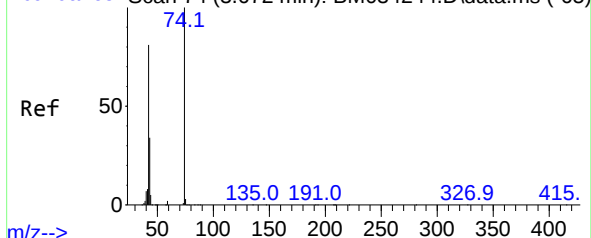
Abundance



Abundance Scan 90 (3.766 min): BM034256.D\data.ms (-73)



Abundance Scan 74 (3.672 min): BM034244.D\data.ms (-65)



#4

n-Nitrosodimethylamine

Concen: 9.173 ng

RT: 3.672 min Scan# 74

Delta R.T. 0.000 min

Lab File: BM034256.D

Acq: 16 Mar 2022 13:07

Tgt Ion: 42 Resp: 47325

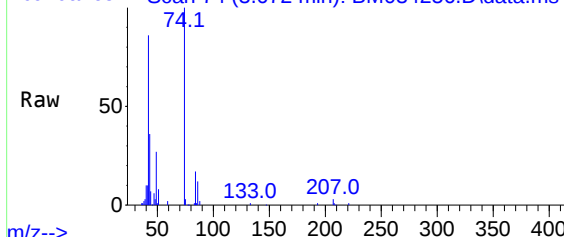
Ion Ratio Lower Upper

42 100

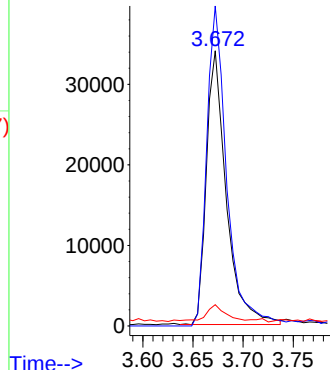
74 116.3 99.3 148.9

44 7.7 5.0 7.6

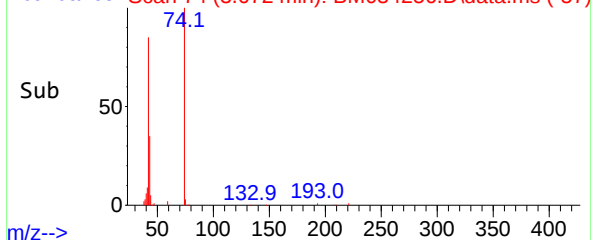
Abundance Scan 74 (3.672 min): BM034256.D\data.ms

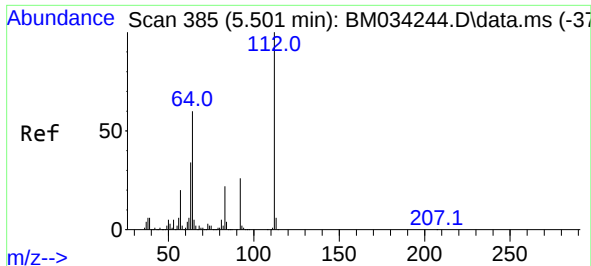


Abundance



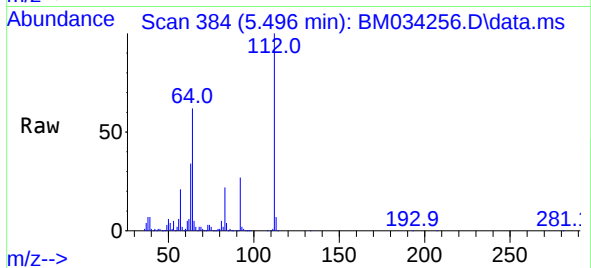
Abundance Scan 74 (3.672 min): BM034256.D\data.ms (-57)





#5
2-Fluorophenol
Concen: 103.297 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

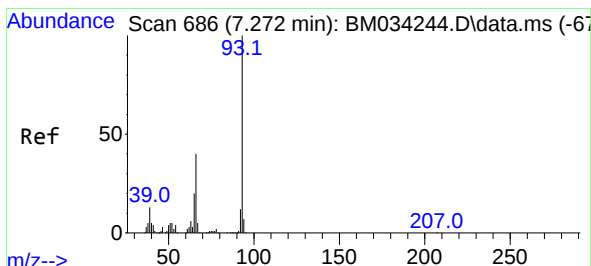
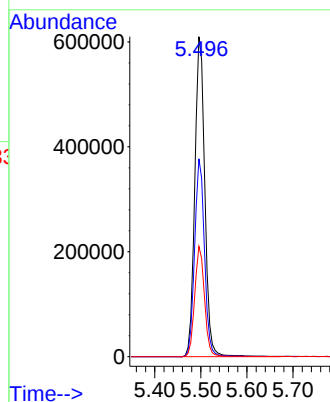
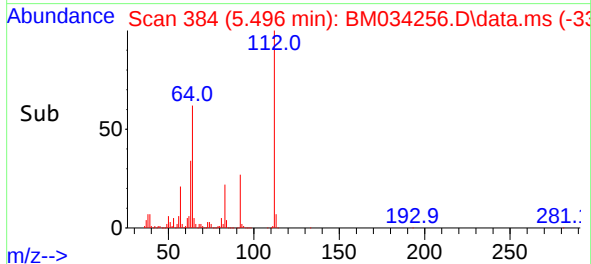
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 112 Resp: 916729
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 34.5 27.1 40.7

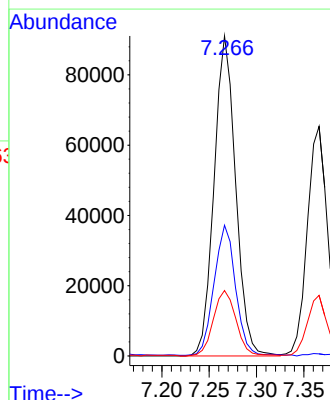
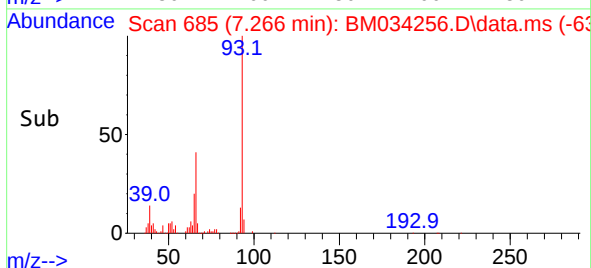
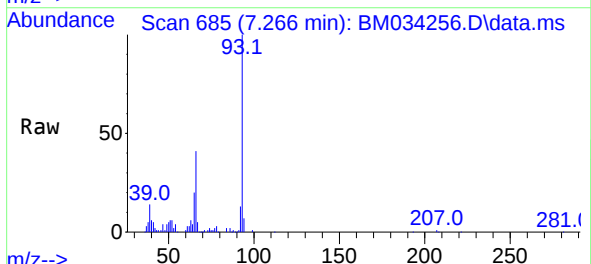
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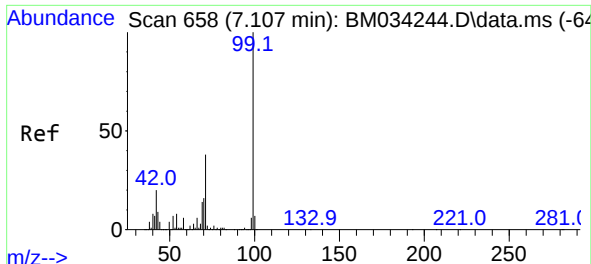
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#6
Aniline
Concen: 9.936 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

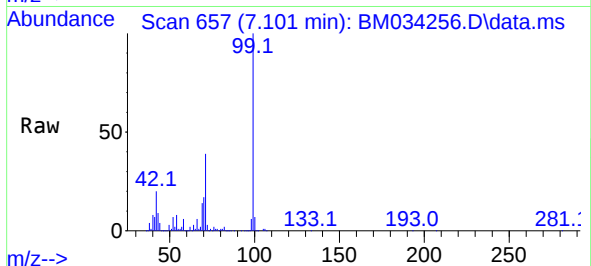
Tgt Ion: 93 Resp: 144277
Ion Ratio Lower Upper
93 100
66 40.9 31.9 47.9
65 20.5 16.2 24.4





#7
Phenol-d6
Concen: 98.509 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

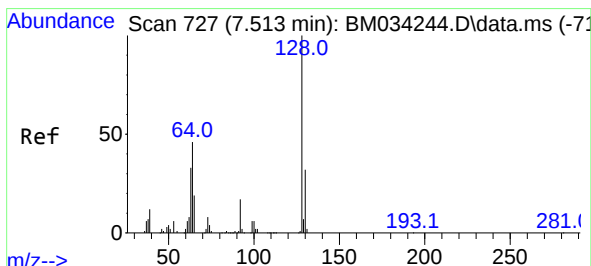
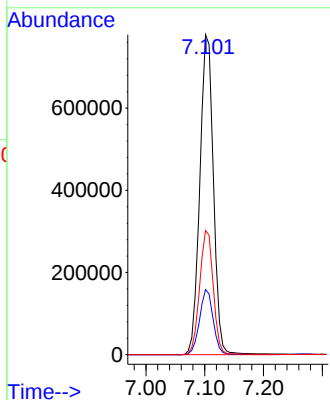
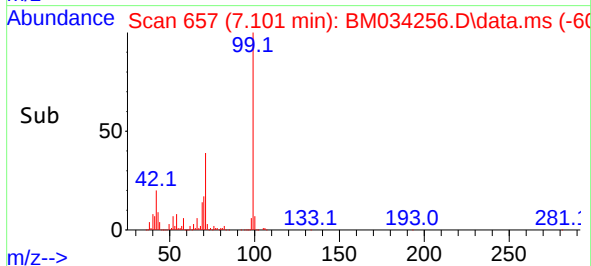
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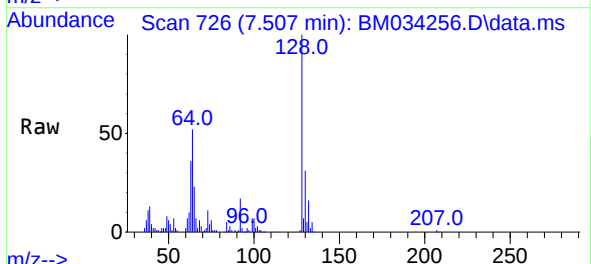
Tgt Ion: 99 Resp: 1251694
Ion Ratio Lower Upper
99 100
42 20.3 15.6 23.4
71 38.8 30.6 46.0

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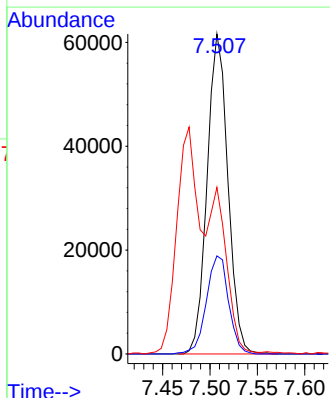
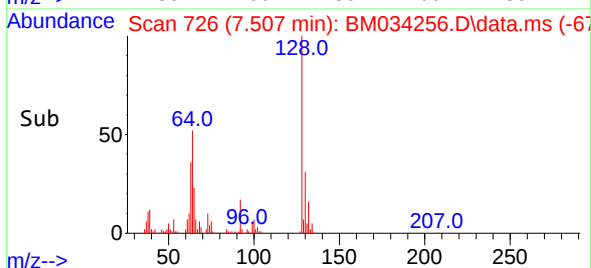
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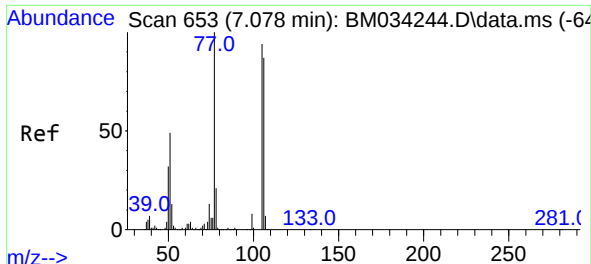


#8
2-Chlorophenol
Concen: 9.072 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



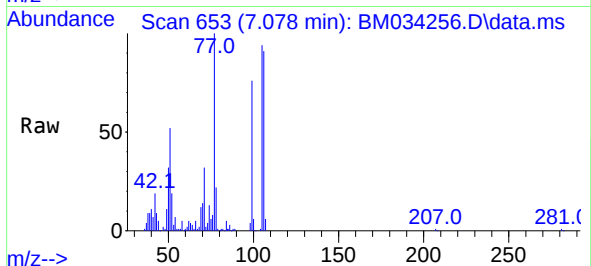
Tgt Ion:128 Resp: 94171
Ion Ratio Lower Upper
128 100
130 30.7 12.3 52.3
64 52.0 28.1 68.1





#9
Benzaldehyde
Concen: 12.984 ng m
RT: 7.078 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

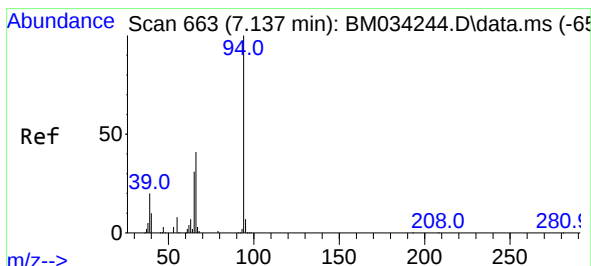
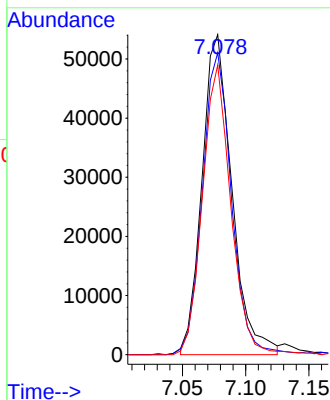
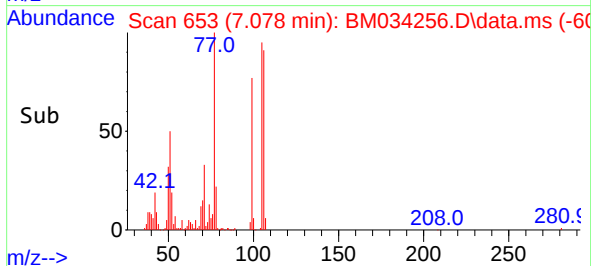
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 8888
Ion Ratio Lower Upper
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105 94.4 73.9 113.9
106 90.6 67.2 107.2

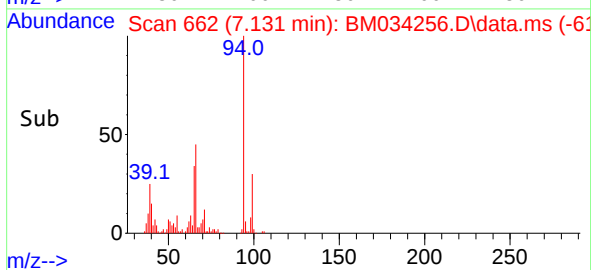
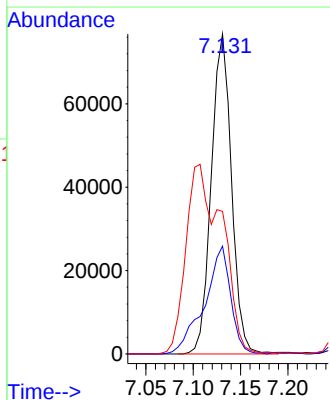
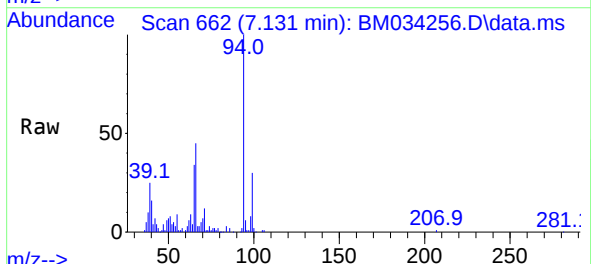
Manual Integrations
APPROVED

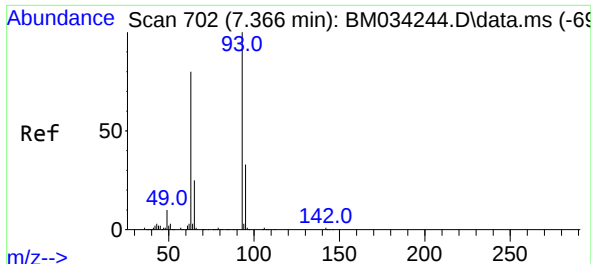
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#10
Phenol
Concen: 9.017 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

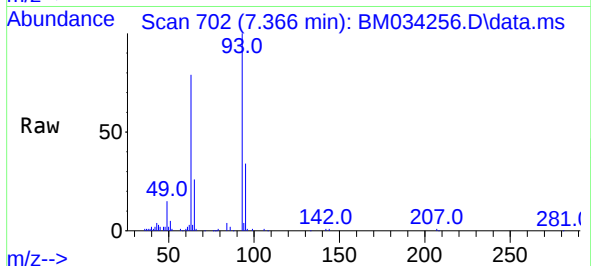
Tgt Ion: 94 Resp: 113951
Ion Ratio Lower Upper
94 100
65 33.7 10.9 50.9
66 44.6 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 9.445 ng
RT: 7.366 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

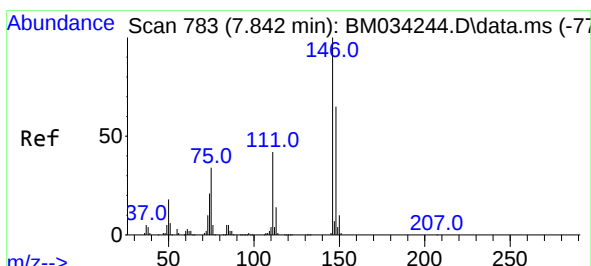
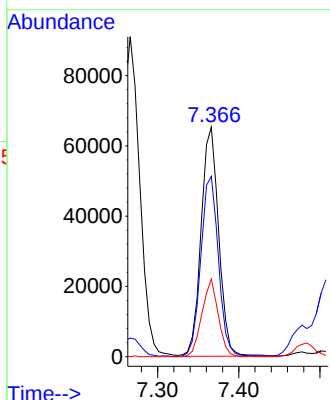
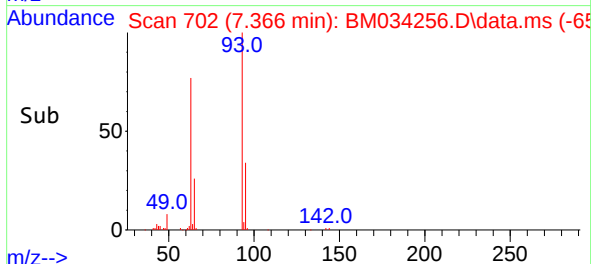
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 93 Resp: 97975
Ion Ratio Lower Upper
93 100
63 78.5 59.6 99.6
95 33.8 12.6 52.6

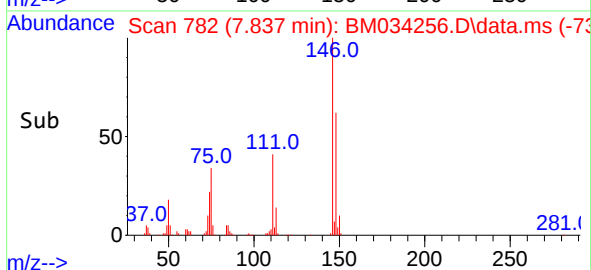
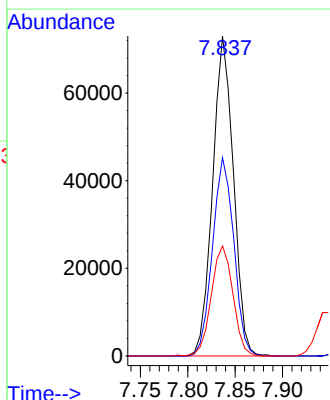
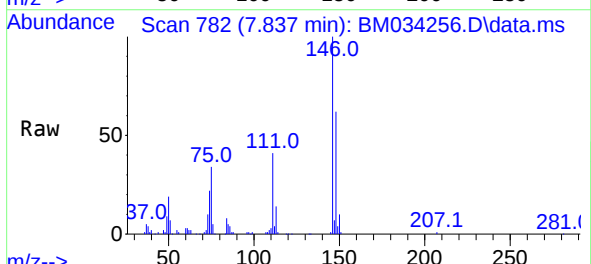
Manual Integrations
APPROVED

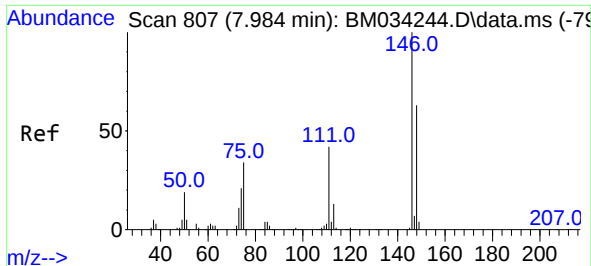
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#12
1,3-Dichlorobenzene
Concen: 9.452 ng
RT: 7.837 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

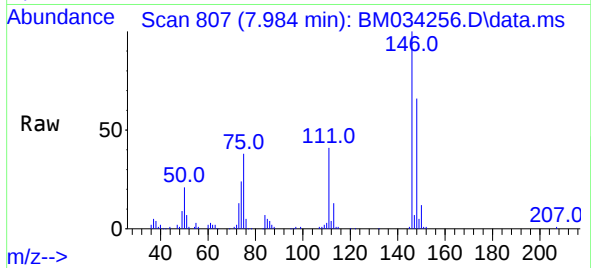
Tgt Ion:146 Resp: 111294
Ion Ratio Lower Upper
146 100
148 62.0 51.8 77.8
75 34.4 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 9.347 ng
RT: 7.984 min Scan# 807
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

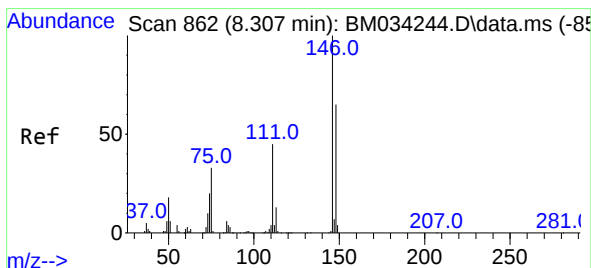
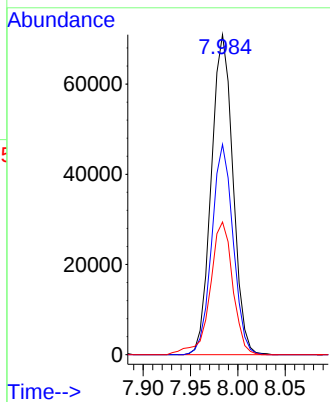
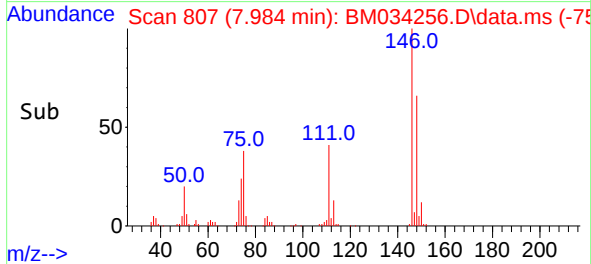
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



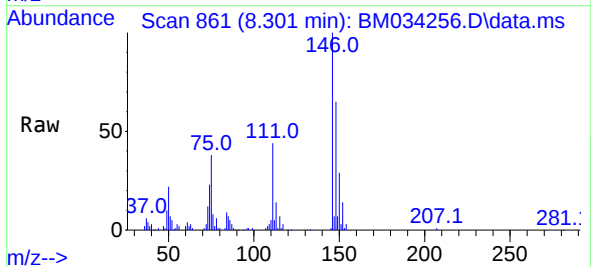
Tgt Ion:146 Resp: 112674
Ion Ratio Lower Upper
146 100
148 65.7 50.6 76.0
111 41.5 34.0 51.0

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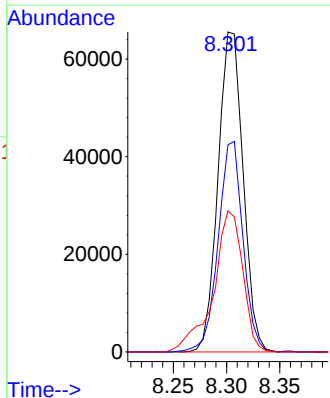
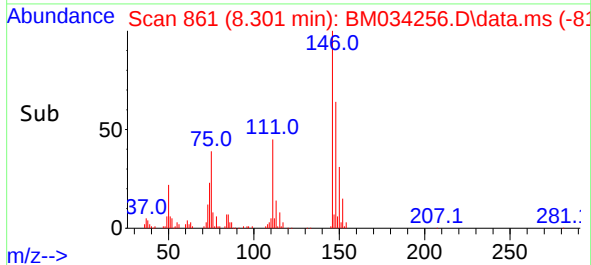
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

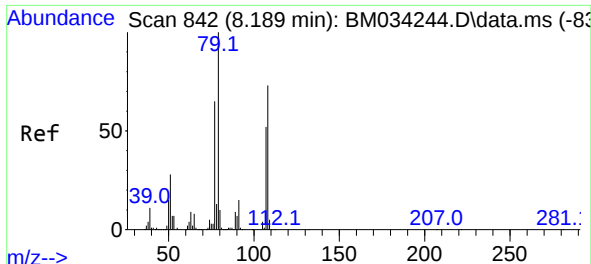


#14
1,2-Dichlorobenzene
Concen: 9.127 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



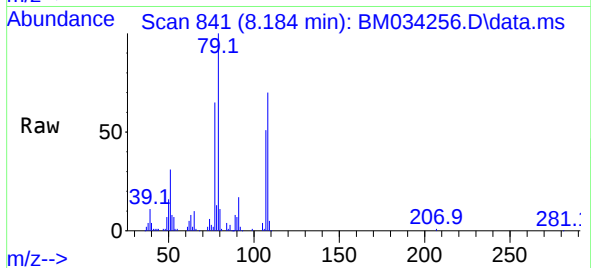
Tgt Ion:146 Resp: 107250
Ion Ratio Lower Upper
146 100
148 64.7 52.2 78.4
111 44.1 35.8 53.8





#15
Benzyl Alcohol
Concen: 8.511 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

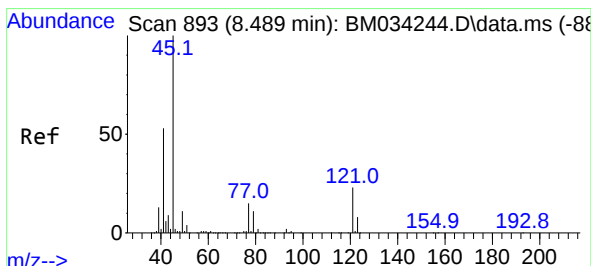
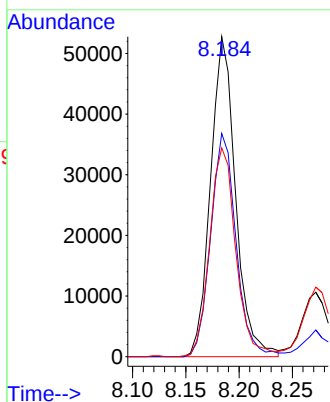
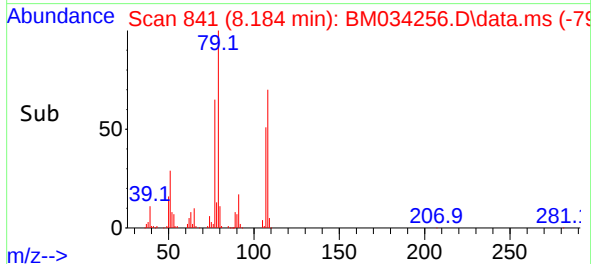
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



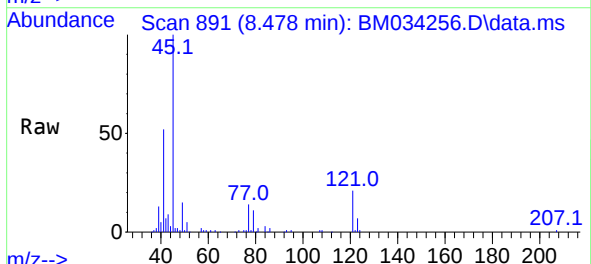
Tgt Ion: 79 Resp: 86060
Ion Ratio Lower Upper
79 100
108 69.8 58.1 87.1
77 65.3 51.8 77.6

Manual Integrations
APPROVED

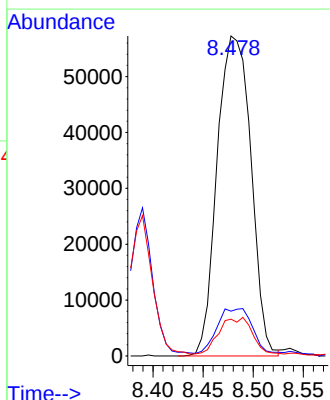
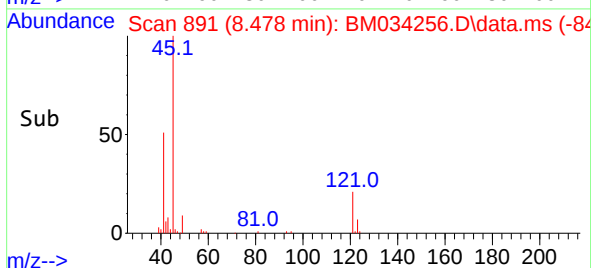
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

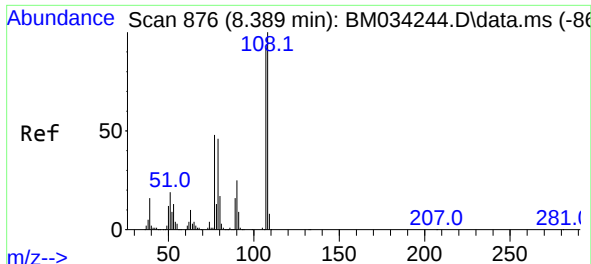


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.435 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



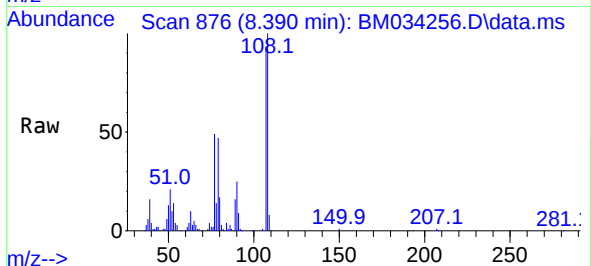
Tgt Ion: 45 Resp: 134307
Ion Ratio Lower Upper
45 100
77 14.0 0.0 35.7
79 11.5 0.0 31.7





#17
2-Methylphenol
Concen: 9.144 ng
RT: 8.390 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

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

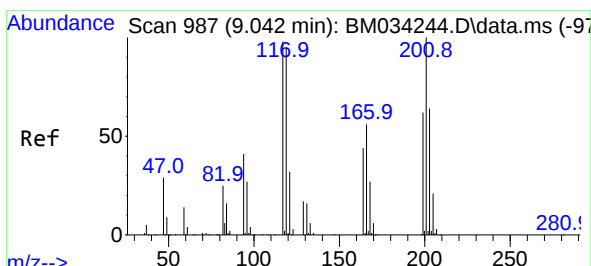
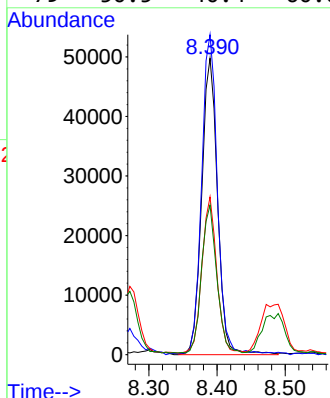
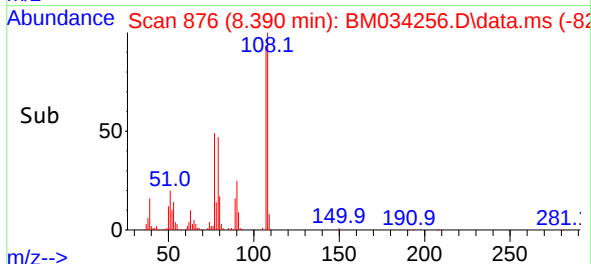


Tgt Ion:107 Resp: 80929

Ion	Ratio	Lower	Upper
107	100		
108	107.9	87.3	130.9
77	53.2	41.6	62.4
79	50.5	40.4	60.6

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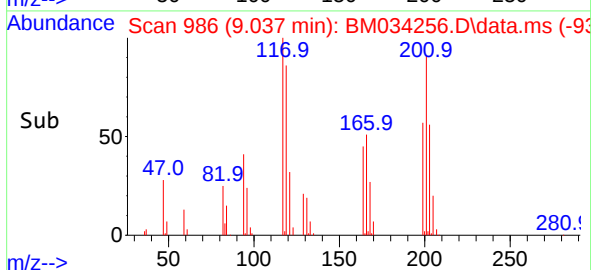
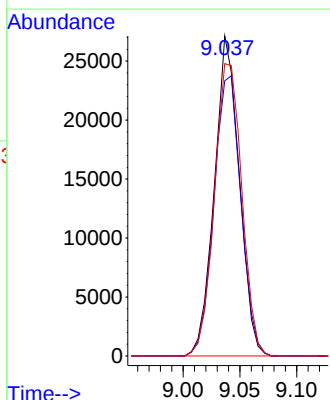
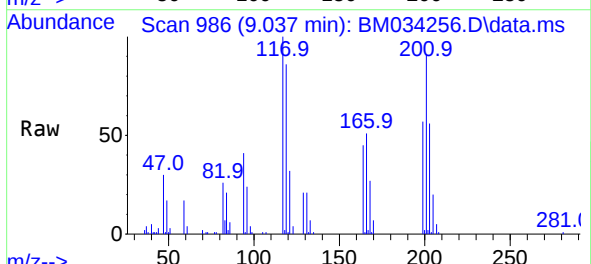
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

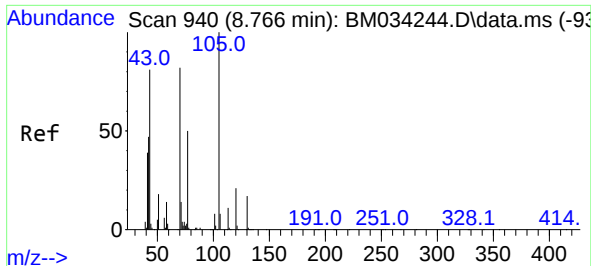


#18
Hexachloroethane
Concen: 9.318 ng
RT: 9.037 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

Tgt Ion:117 Resp: 41427

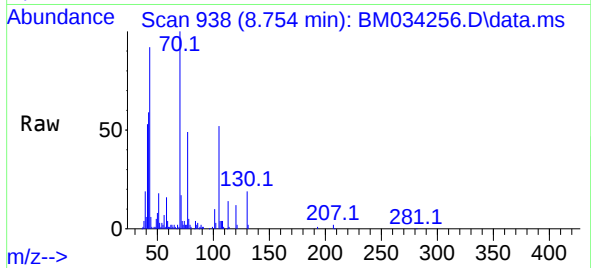
Ion	Ratio	Lower	Upper
117	100		
119	86.0	77.4	116.0
201	91.3	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 9.324 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

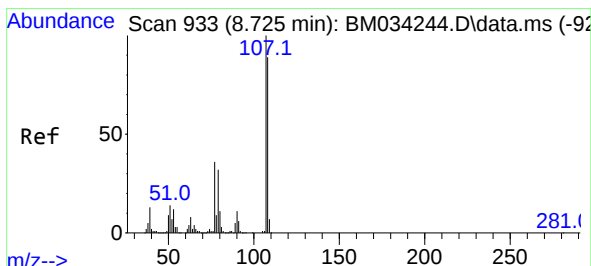
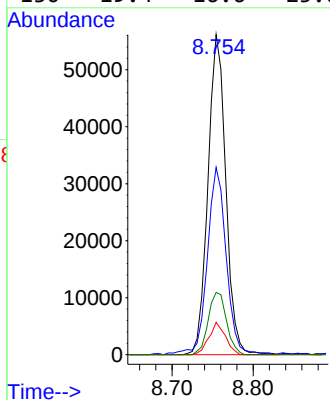
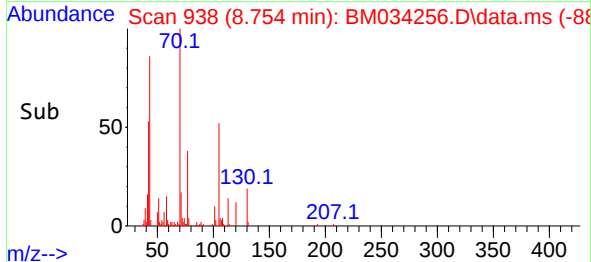
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



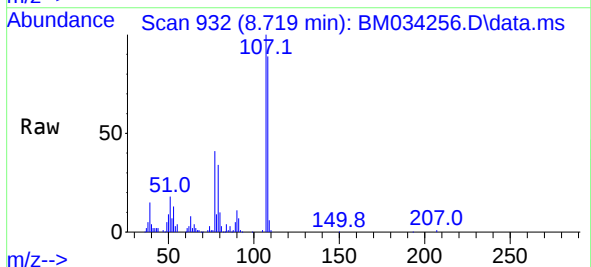
Tgt Ion: 70 Resp: 8569
Ion Ratio Lower Upper
70 100
42 58.5 46.7 70.1
101 10.1 7.8 11.6
130 19.4 16.6 25.0

Manual Integrations
APPROVED

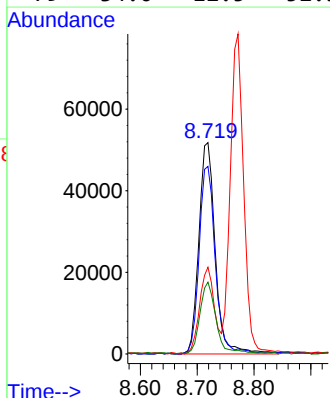
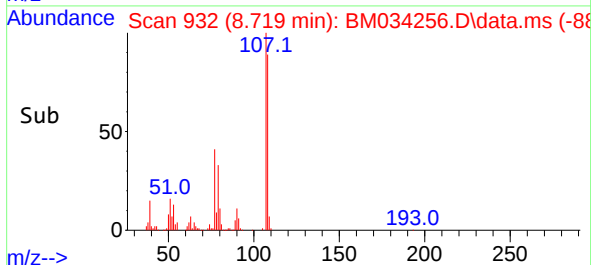
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

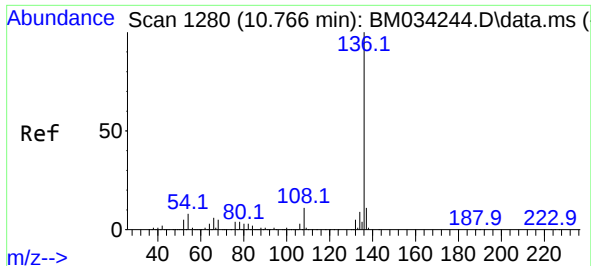


#20
3+4-Methylphenols
Concen: 8.477 ng
RT: 8.719 min Scan# 932
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



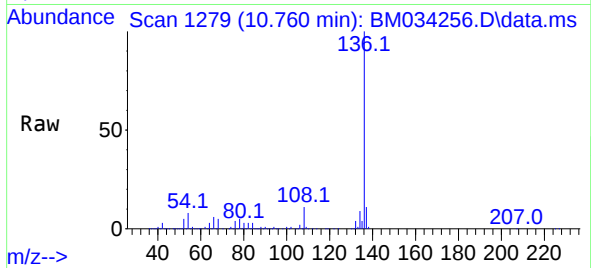
Tgt Ion:107 Resp: 103761
Ion Ratio Lower Upper
107 100
108 88.7 69.2 109.2
77 41.1 16.5 56.5
79 34.0 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

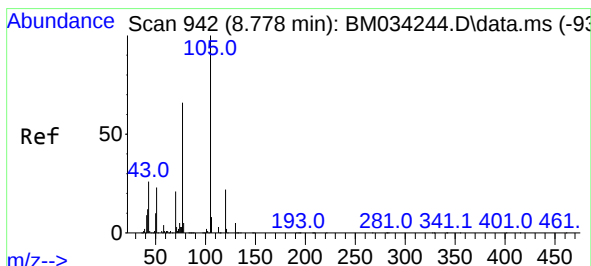
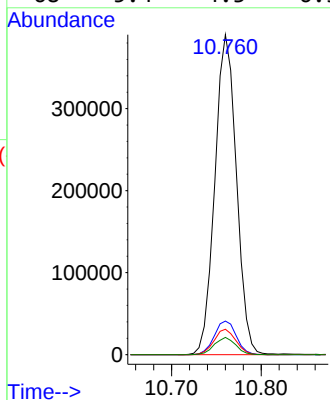
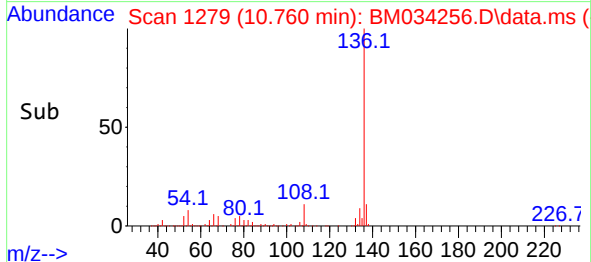
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 651184
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.9 6.2 9.4
68 5.4 4.3 6.5

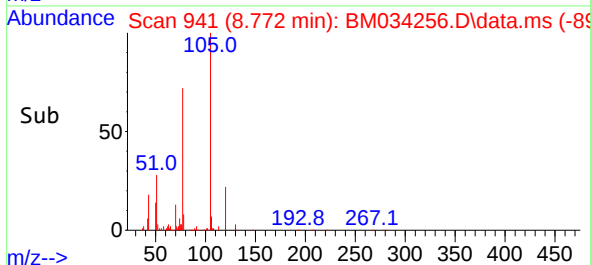
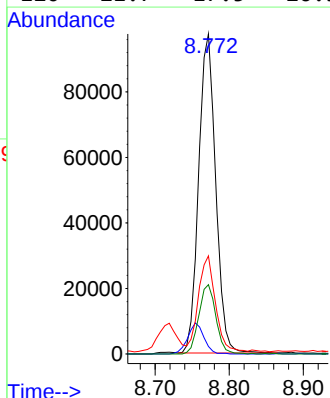
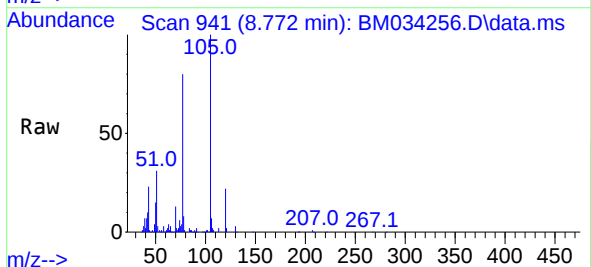
Manual Integrations
APPROVED

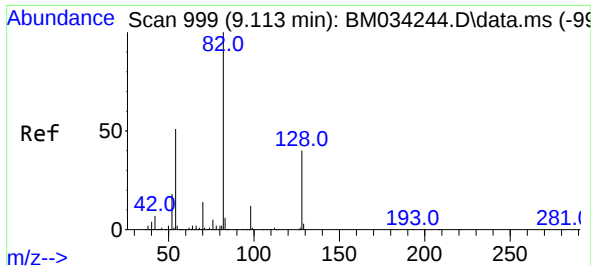
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 9.297 ng
RT: 8.772 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

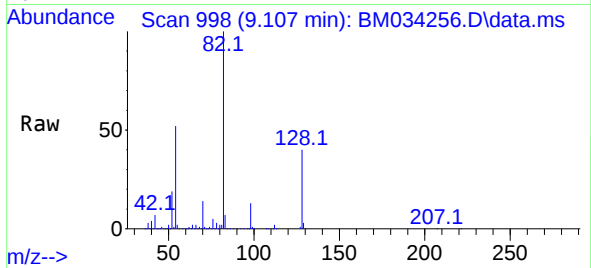
Tgt Ion:105 Resp: 155361
Ion Ratio Lower Upper
105 100
71 2.4 3.0 4.4#
51 30.7 22.6 33.8
120 21.7 17.5 26.3





#23
Nitrobenzene-d5
Concen: 67.138 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

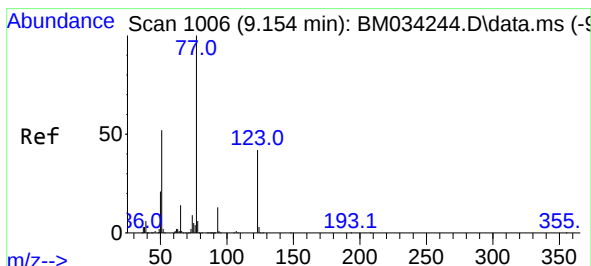
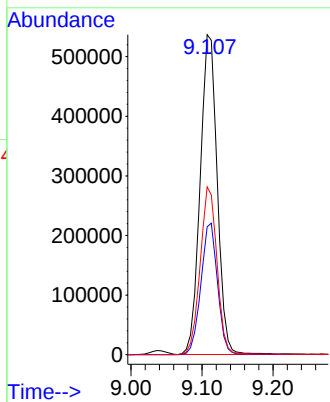
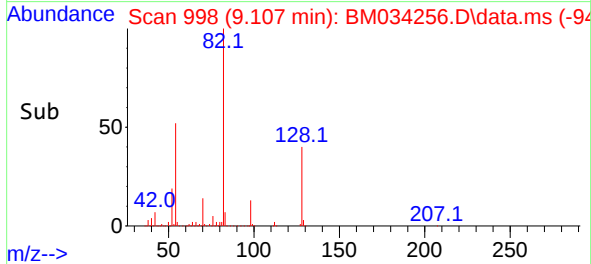
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



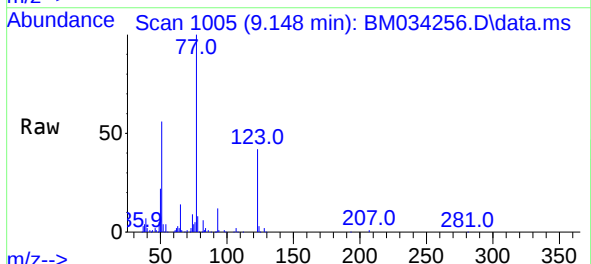
Tgt Ion: 82 Resp: 897974
Ion Ratio Lower Upper
82 100
128 40.0 31.9 47.9
54 52.4 40.6 61.0

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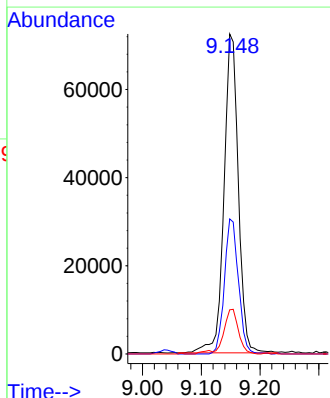
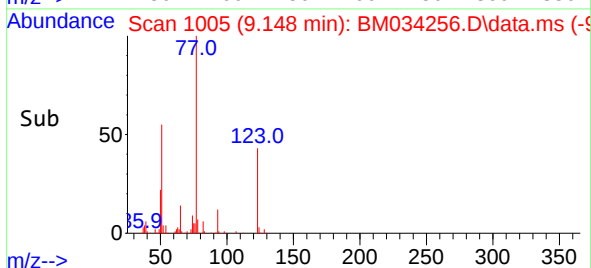
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

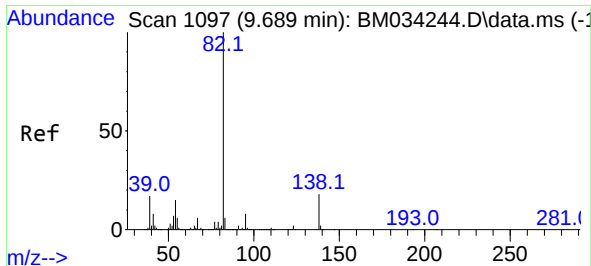


#24
Nitrobenzene
Concen: 9.828 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



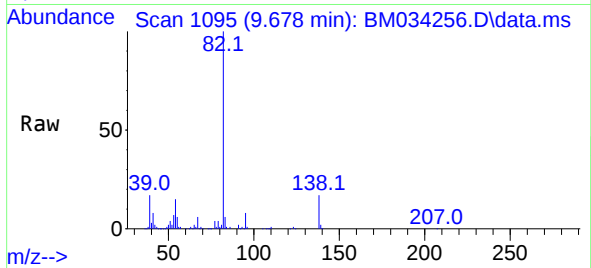
Tgt Ion: 77 Resp: 122725
Ion Ratio Lower Upper
77 100
123 42.2 33.3 49.9
65 13.8 11.0 16.4





#25
Isophorone
Concen: 9.934 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

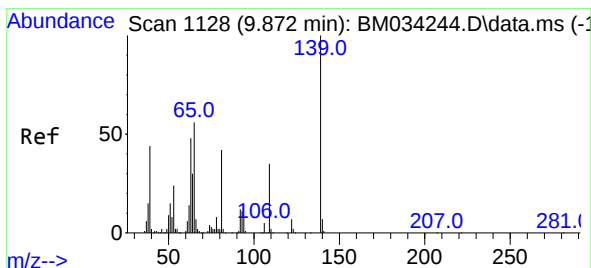
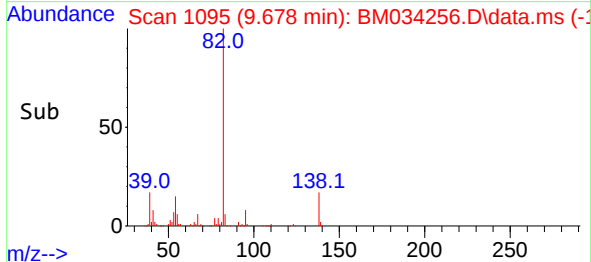
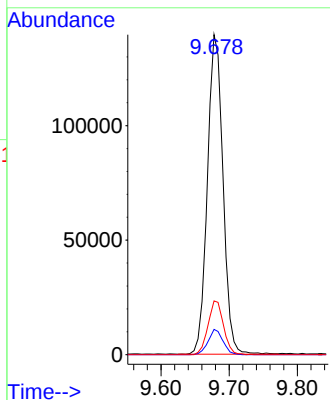
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 82 Resp: 222340
Ion Ratio Lower Upper
82 100
95 7.9 6.6 9.8
138 16.8 14.4 21.6

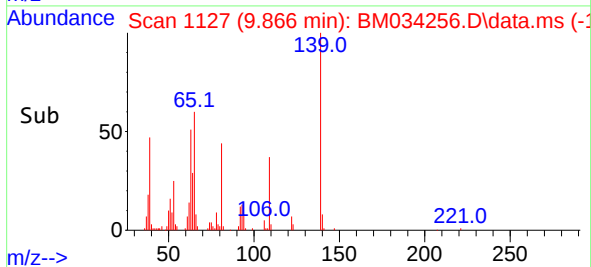
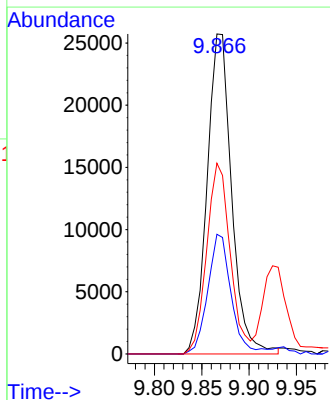
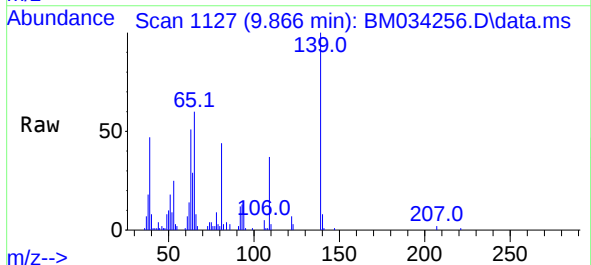
Manual Integrations
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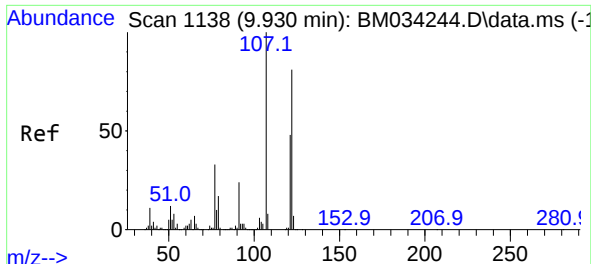
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#26
2-Nitrophenol
Concen: 8.364 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

Tgt Ion:139 Resp: 46319
Ion Ratio Lower Upper
139 100
109 37.4 28.1 42.1
65 59.6 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 10.174 ng

RT: 9.925 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BM034256.D

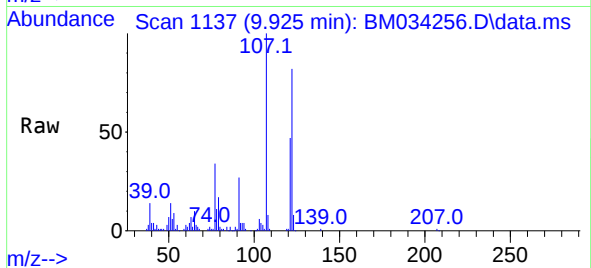
Acq: 16 Mar 2022 13:07

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion:122 Resp: 88218

Ion Ratio Lower Upper

122 100

107 122.7 99.0 148.6

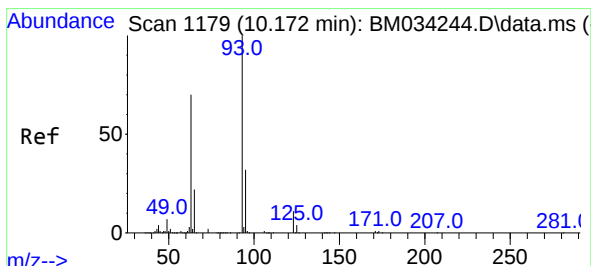
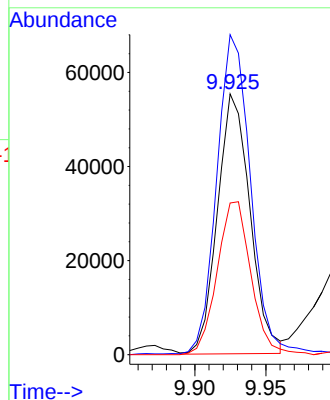
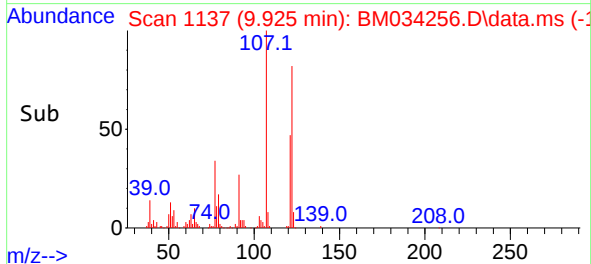
121 58.2 47.7 71.5

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 9.292 ng

RT: 10.166 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BM034256.D

Acq: 16 Mar 2022 13:07

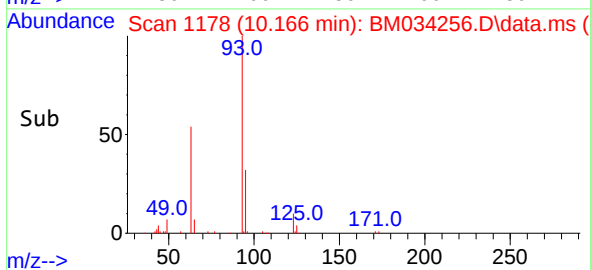
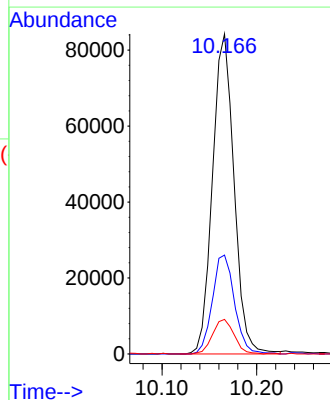
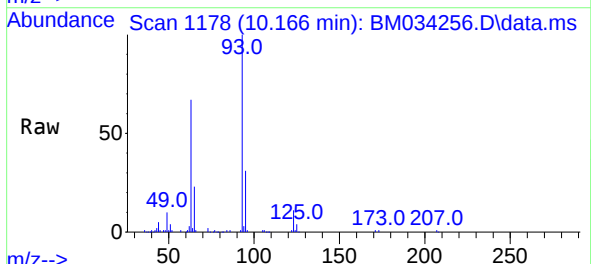
Tgt Ion: 93 Resp: 133147

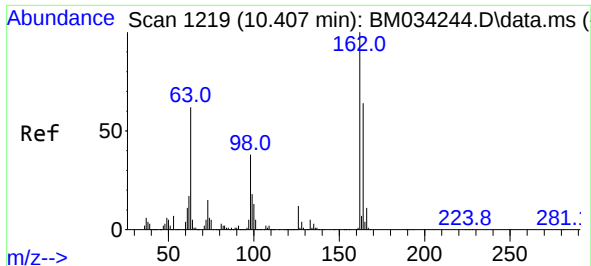
Ion Ratio Lower Upper

93 100

95 30.9 26.0 39.0

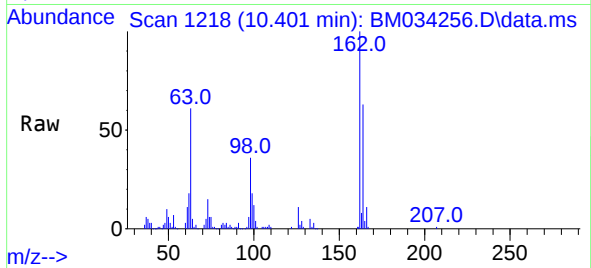
123 10.8 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 8.649 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

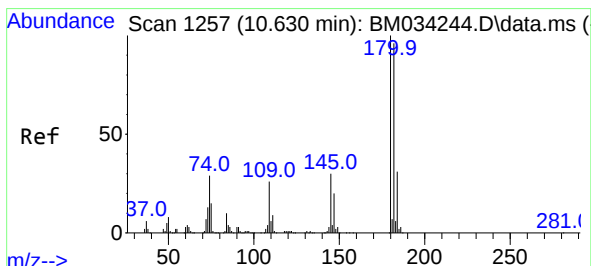
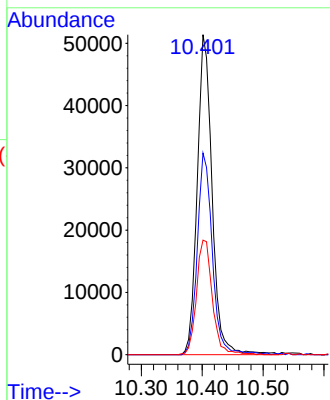
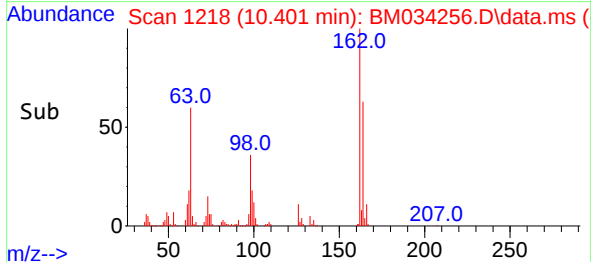
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



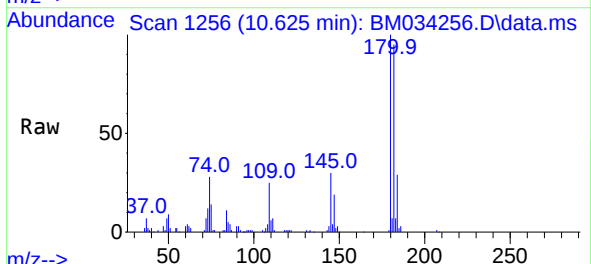
Tgt Ion:162 Resp: 87130
Ion Ratio Lower Upper
162 100
164 63.0 43.9 83.9
98 35.8 17.6 57.6

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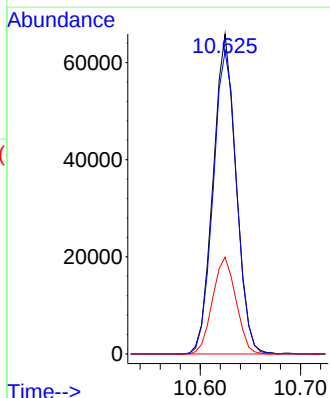
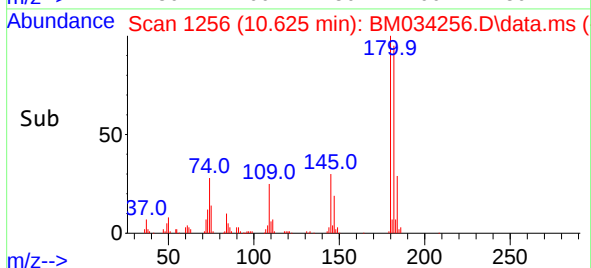
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

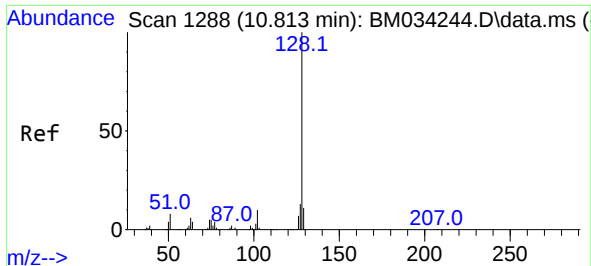


#30
1,2,4-Trichlorobenzene
Concen: 9.121 ng
RT: 10.625 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



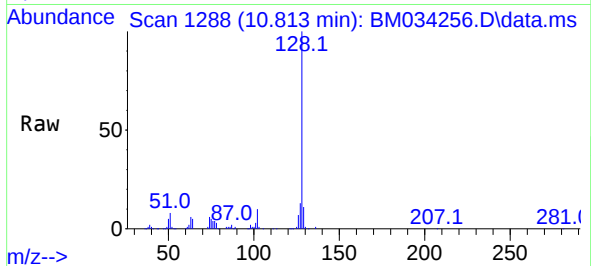
Tgt Ion:180 Resp: 104457
Ion Ratio Lower Upper
180 100
182 94.6 77.0 115.4
145 30.3 23.7 35.5





#31
Naphthalene
Concen: 9.349 ng
RT: 10.813 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

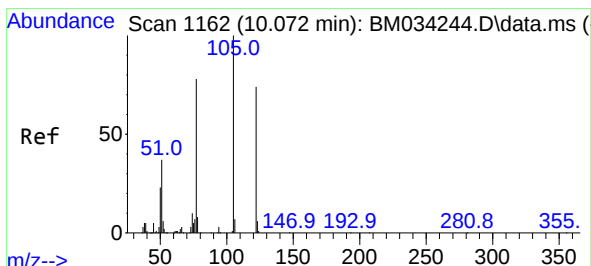
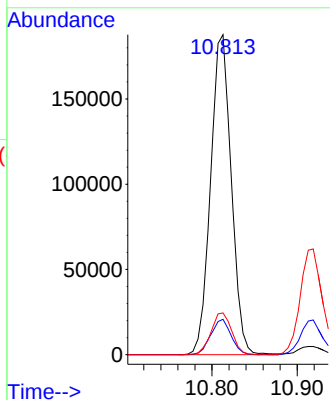
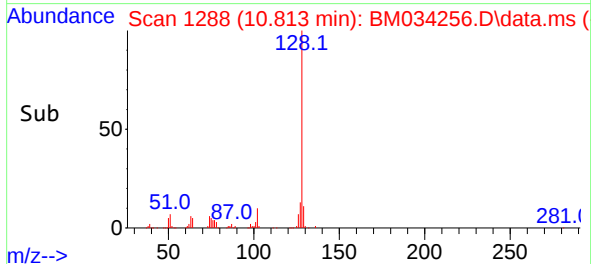
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



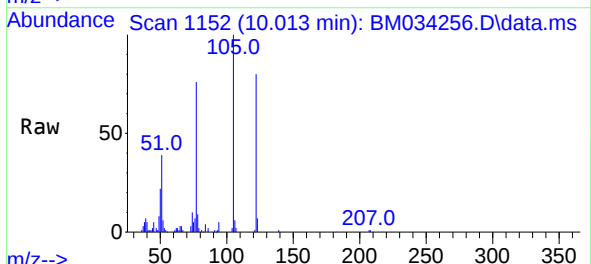
Tgt Ion:128 Resp: 317174
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.2 15.4

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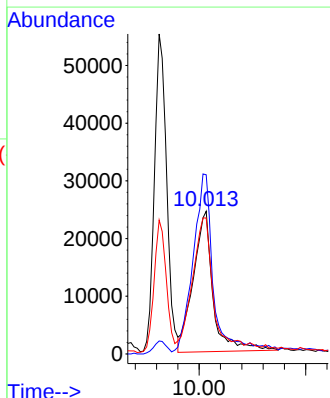
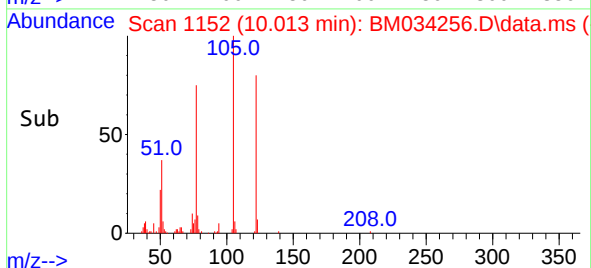
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

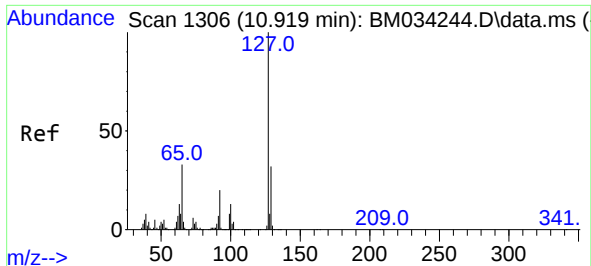


#32
Benzoic acid
Concen: 8.786 ng
RT: 10.013 min Scan# 1152
Delta R.T. -0.059 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



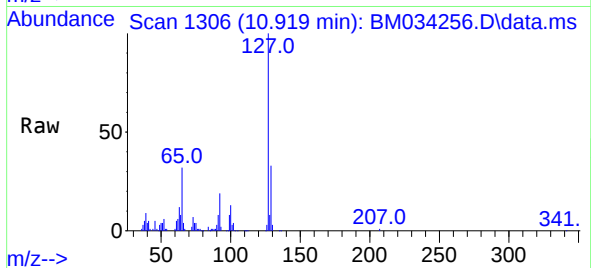
Tgt Ion:122 Resp: 62997
Ion Ratio Lower Upper
122 100
105 125.6 109.6 149.6
77 95.2 83.1 123.1





#33
4-Chloroaniline
Concen: 8.965 ng
RT: 10.919 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

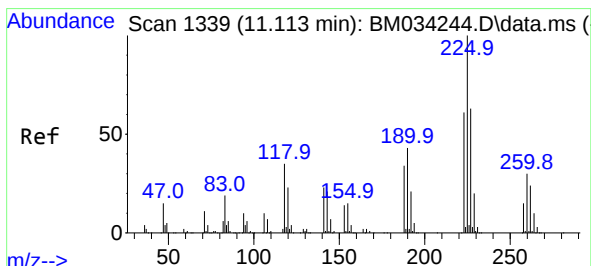
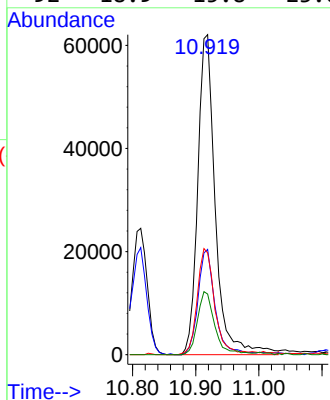
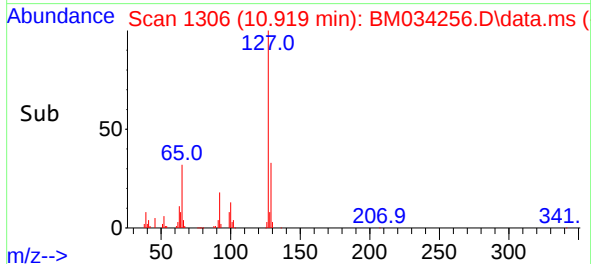
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.4	38.2
65	31.8	26.2	39.2
92	18.9	15.8	23.6

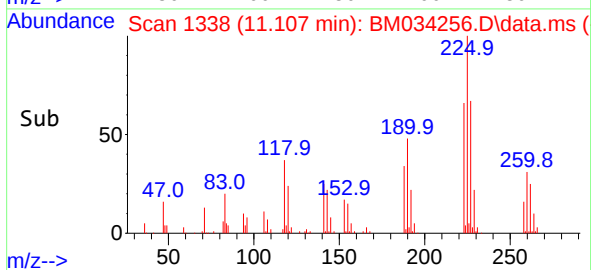
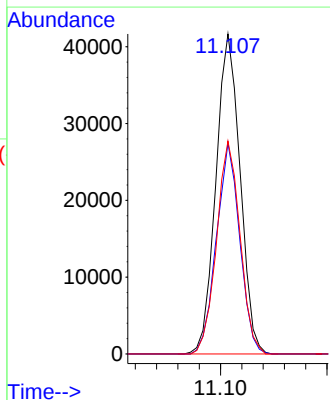
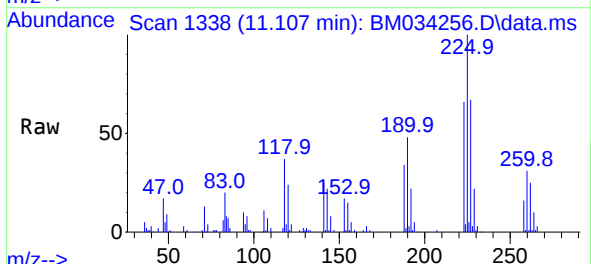
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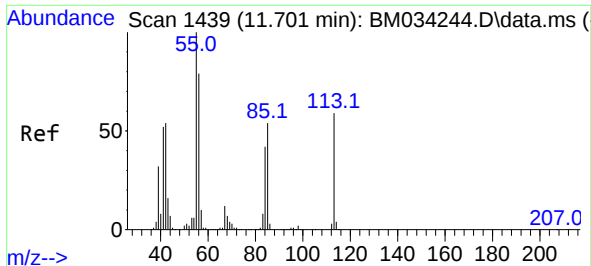
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#34
Hexachlorobutadiene
Concen: 9.032 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

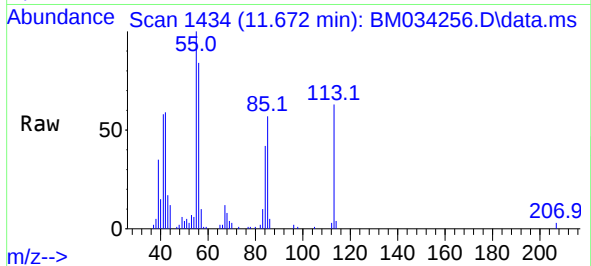
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	49.0	73.4
227	66.5	50.2	75.2





#35
Caprolactam
Concen: 7.409 ng
RT: 11.672 min Scan# 1434
Delta R.T. -0.029 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

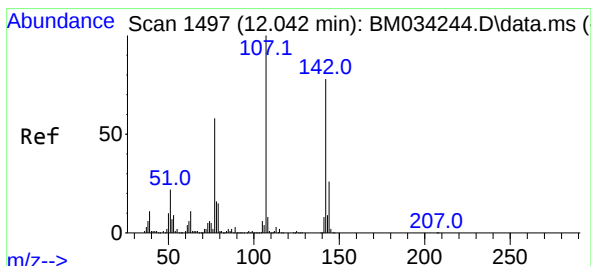
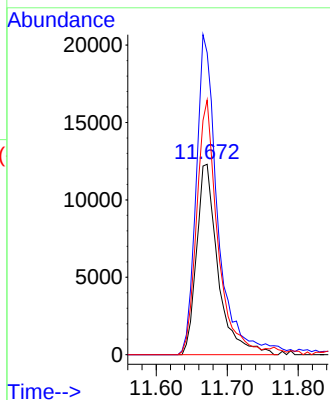
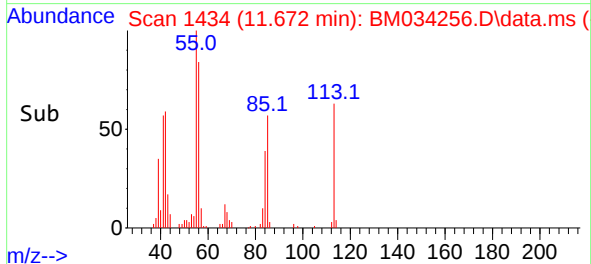
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



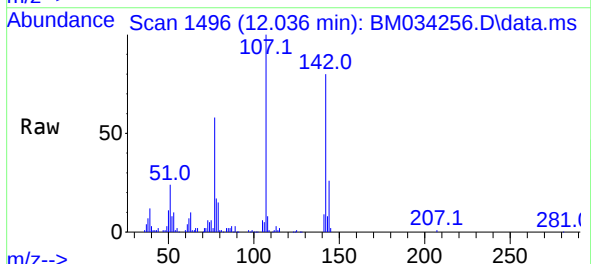
Tgt Ion:113 Resp: 25948
Ion Ratio Lower Upper
113 100
55 158.6 148.9 188.9
56 133.8 113.3 153.3

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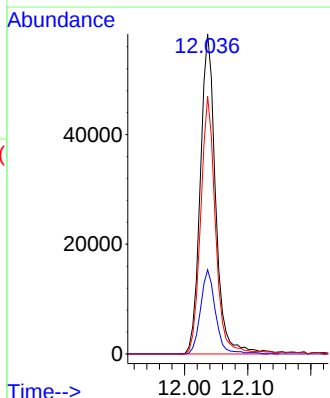
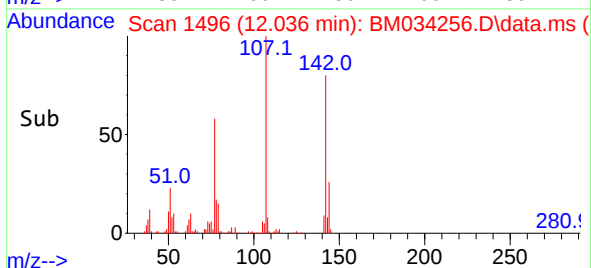
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

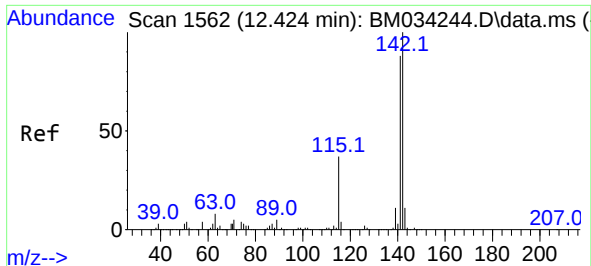


#36
4-Chloro-3-methylphenol
Concen: 8.566 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



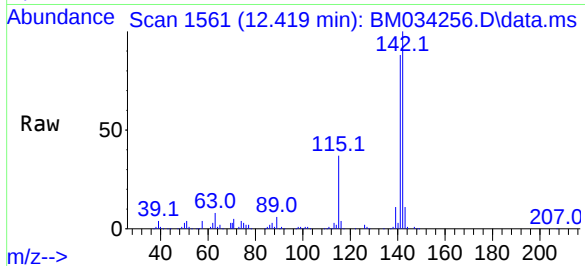
Tgt Ion:107 Resp: 98896
Ion Ratio Lower Upper
107 100
144 26.3 20.8 31.2
142 80.5 62.7 94.1





#37
2-Methylnaphthalene
Concen: 9.328 ng
RT: 12.419 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

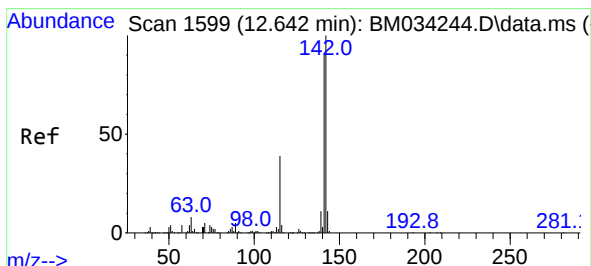
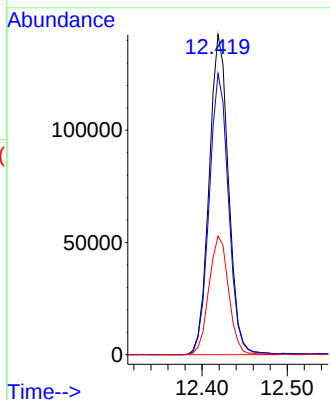
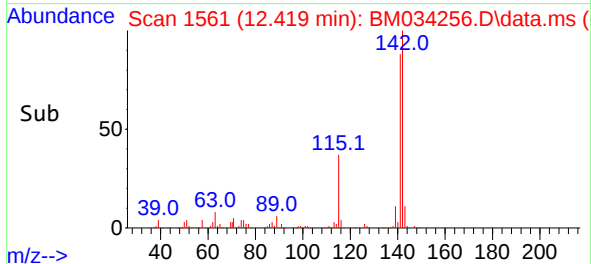
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



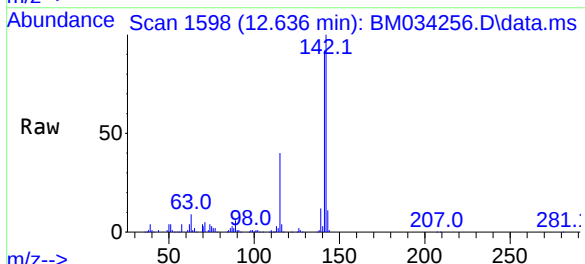
Tgt Ion:142 Resp: 22579
Ion Ratio Lower Upper
142 100
141 87.8 70.1 105.1
115 37.0 29.9 44.9

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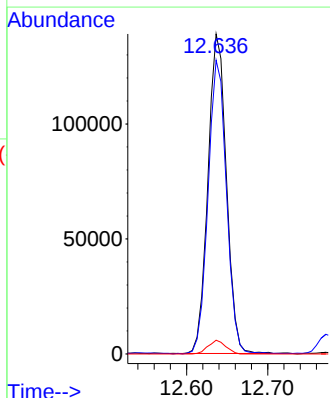
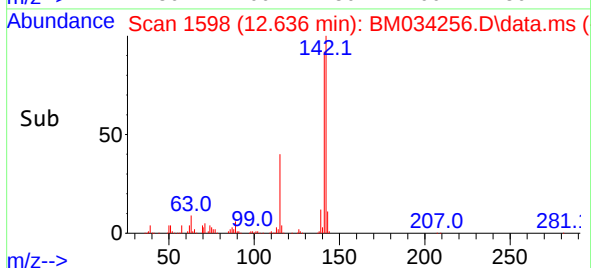
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

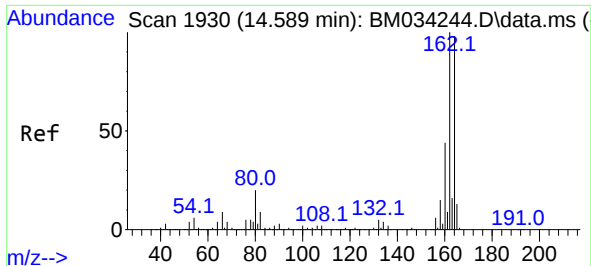


#38
1-Methylnaphthalene
Concen: 9.251 ng
RT: 12.636 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



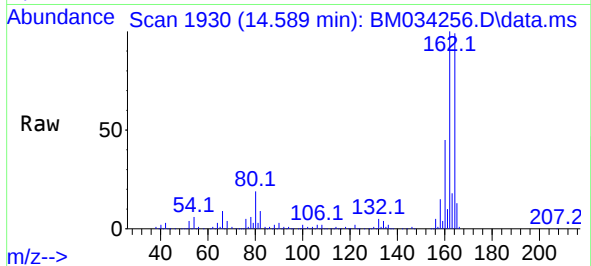
Tgt Ion:142 Resp: 219069
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.6
116 4.3 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

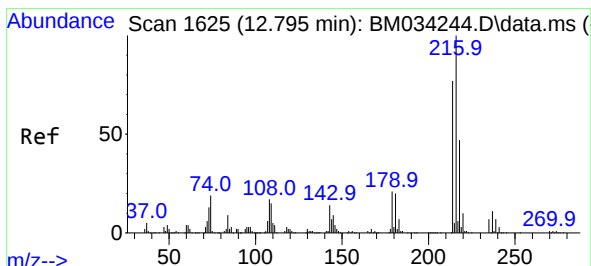
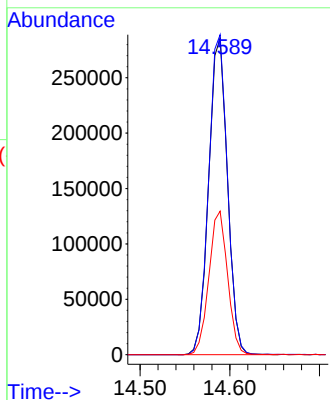
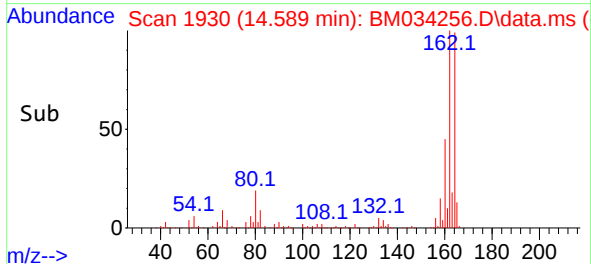
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



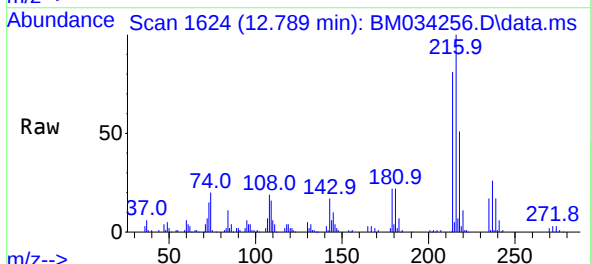
Tgt Ion:164 Resp: 41451
Ion Ratio Lower Upper
164 100
162 101.1 81.6 122.4
160 45.3 35.6 53.4

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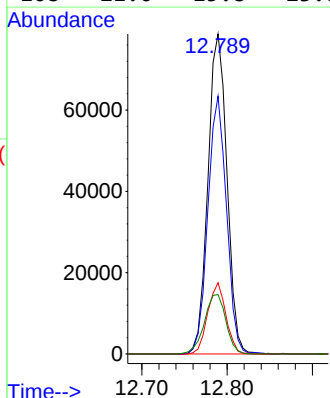
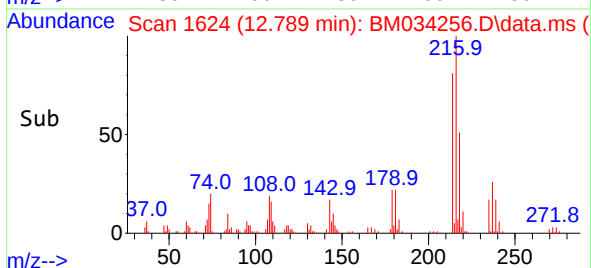
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

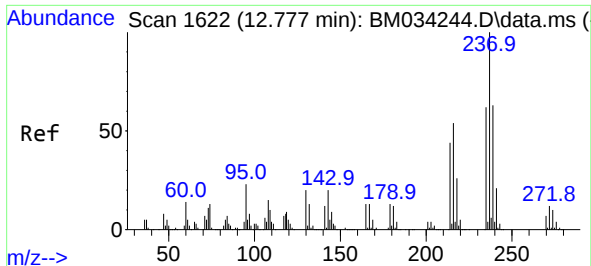


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.750 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



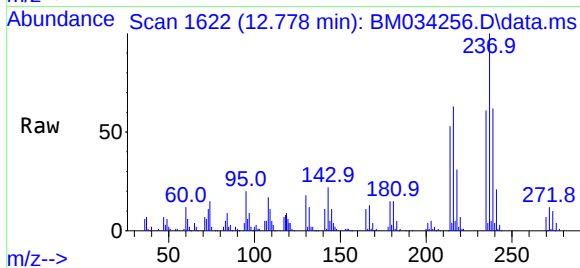
Tgt Ion:216 Resp: 121971
Ion Ratio Lower Upper
216 100
214 78.9 62.7 94.1
179 21.3 17.2 25.8
108 21.0 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 14.068 ng
RT: 12.778 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

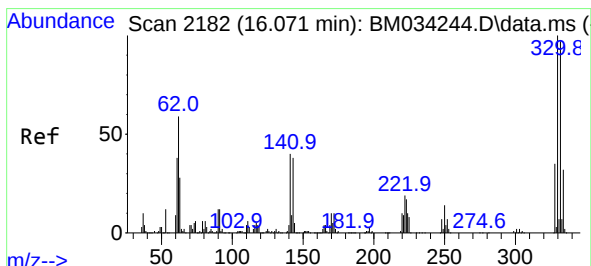
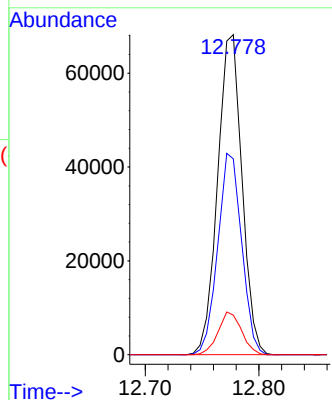
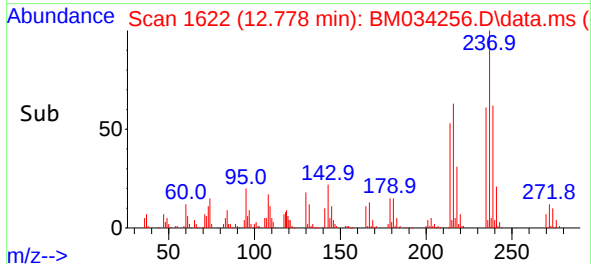
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



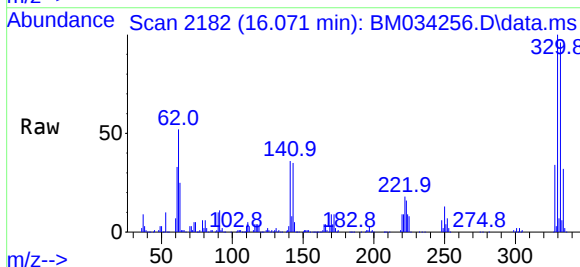
Tgt Ion:237 Resp: 101898
Ion Ratio Lower Upper
237 100
235 61.2 42.1 82.1
272 12.4 0.0 32.3

Manual Integrations
APPROVED

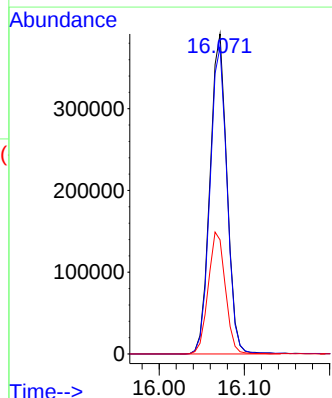
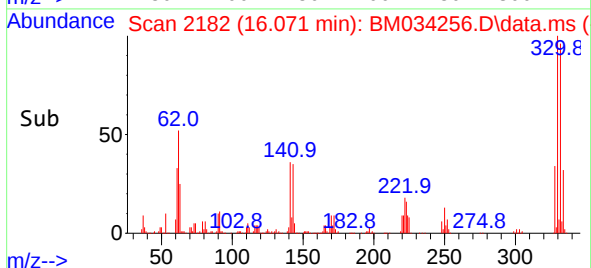
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

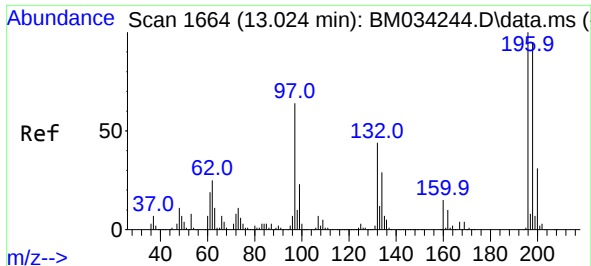


#42
2,4,6-Tribromophenol
Concen: 96.866 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



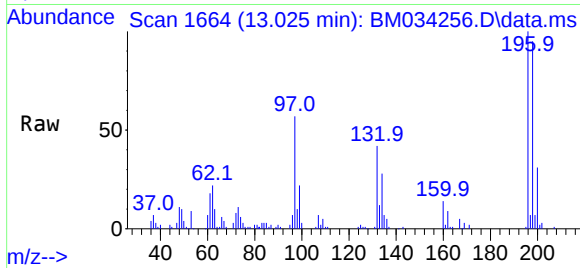
Tgt Ion:330 Resp: 541206
Ion Ratio Lower Upper
330 100
332 96.4 78.2 117.4
141 38.5 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 8.540 ng
RT: 13.025 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

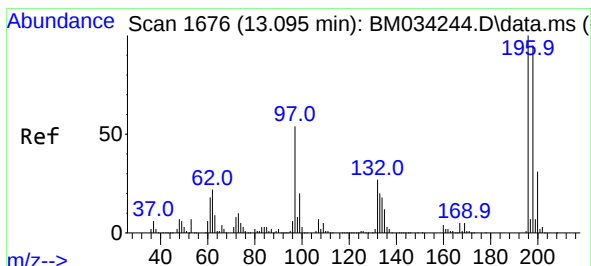
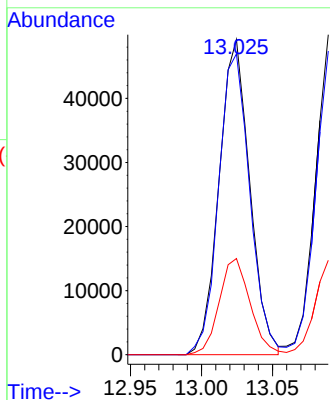
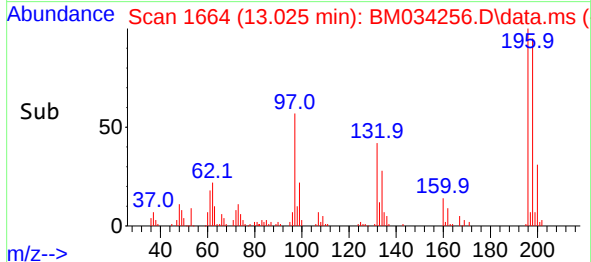
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



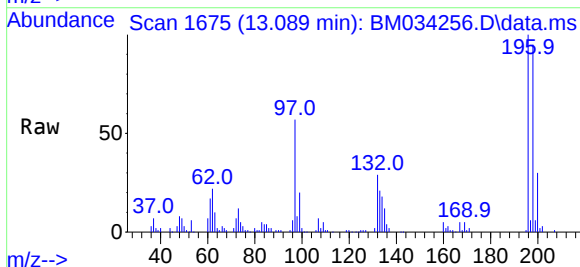
Tgt Ion:196 Resp: 7375
Ion Ratio Lower Upper
196 100
198 95.5 76.1 114.1
200 30.5 24.9 37.3

Manual Integrations
APPROVED

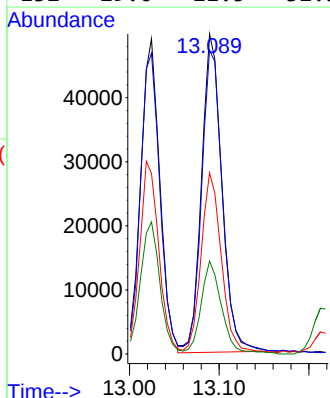
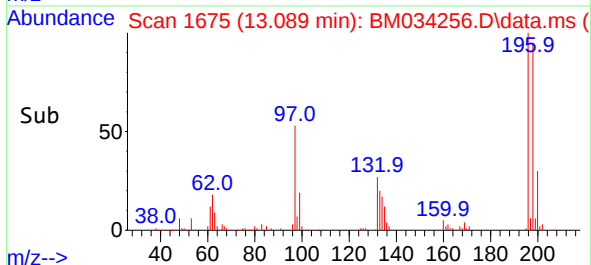
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

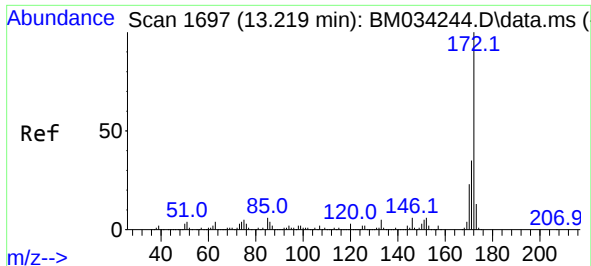


#44
2,4,5-Trichlorophenol
Concen: 8.479 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



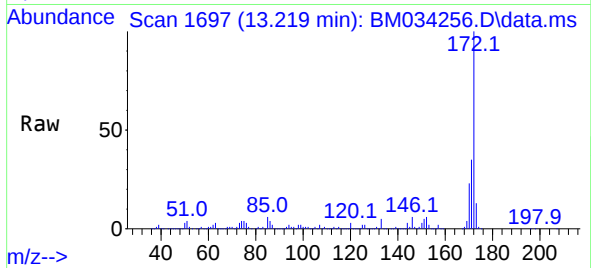
Tgt Ion:196 Resp: 78600
Ion Ratio Lower Upper
196 100
198 94.9 75.9 113.9
97 56.6 43.2 64.8
132 29.0 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 68.691 ng
RT: 13.219 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

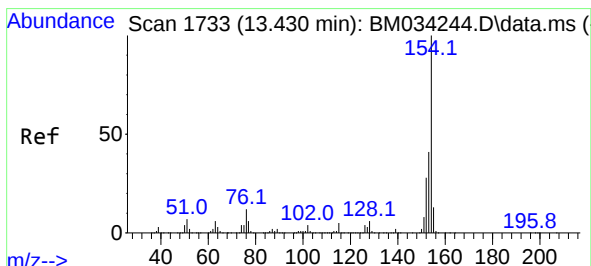
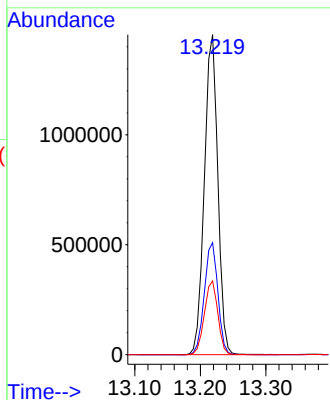
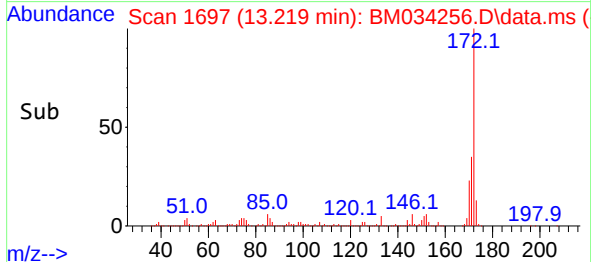
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



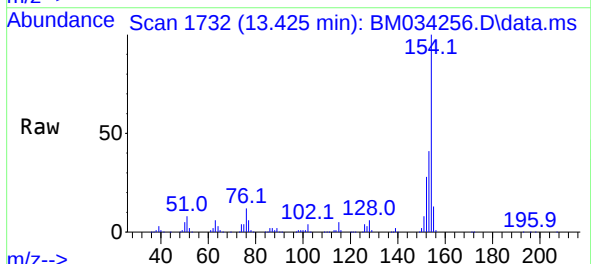
Tgt Ion:172 Resp: 208368
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.0 18.6 28.0

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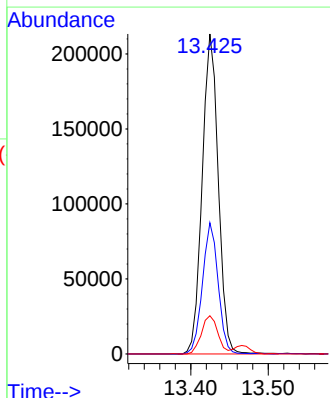
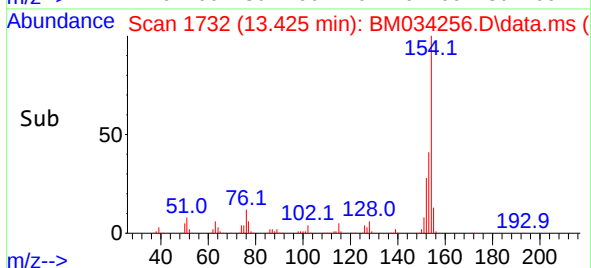
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

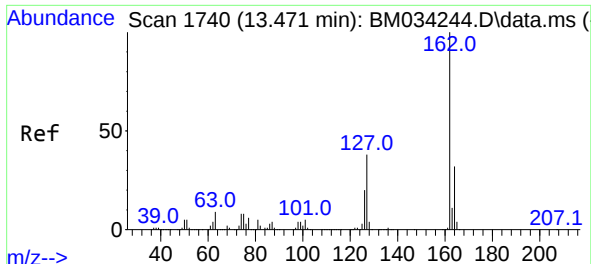


#46
1,1'-Biphenyl
Concen: 9.745 ng
RT: 13.425 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



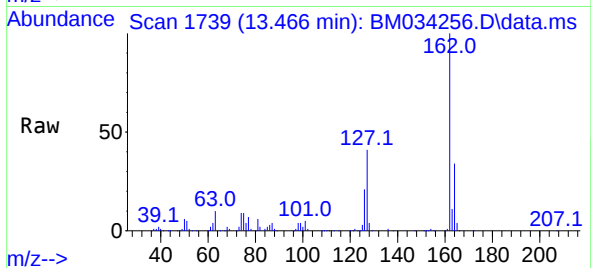
Tgt Ion:154 Resp: 308013
Ion Ratio Lower Upper
154 100
153 41.0 21.0 61.0
76 12.0 0.0 32.1





#47
2-Chloronaphthalene
Concen: 9.414 ng
RT: 13.466 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

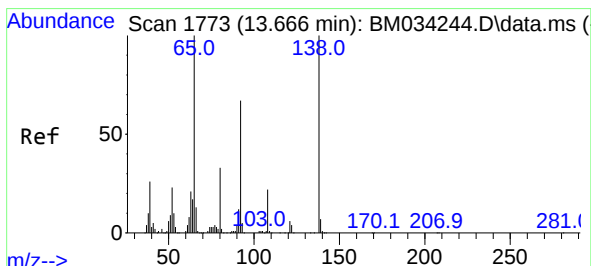
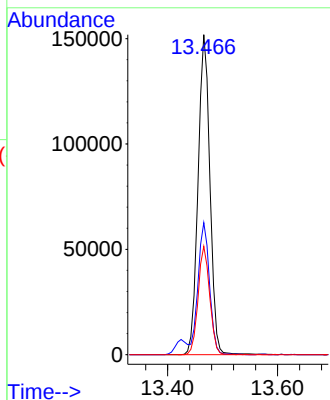
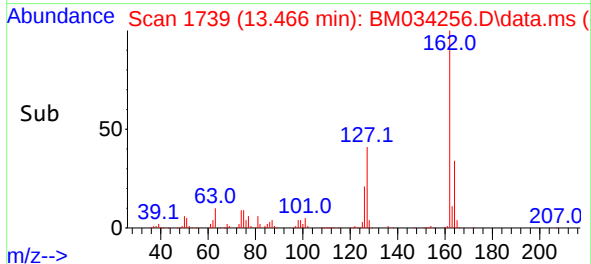
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:162 Resp: 22838
Ion Ratio Lower Upper
162 100
127 41.3 30.4 45.6
164 33.8 25.8 38.8

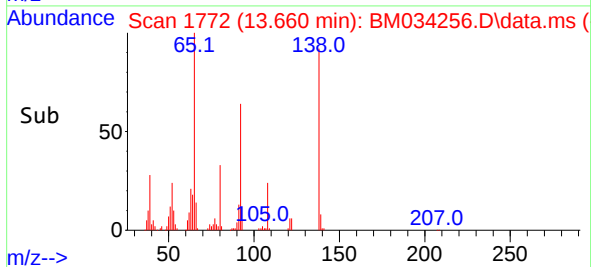
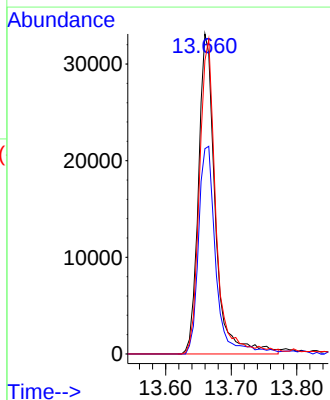
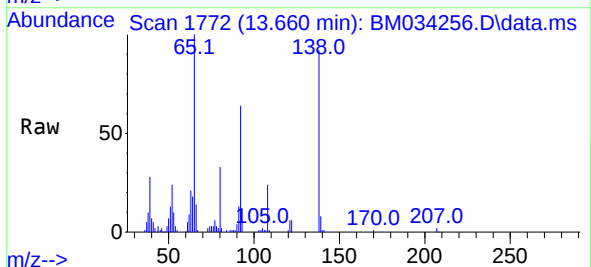
Manual Integrations
APPROVED

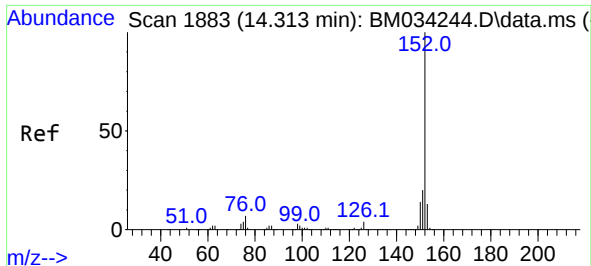
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#48
2-Nitroaniline
Concen: 7.974 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

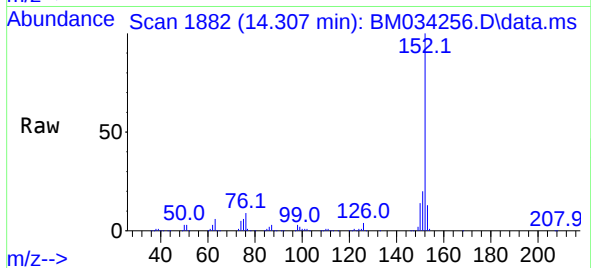
Tgt Ion: 65 Resp: 59140
Ion Ratio Lower Upper
65 100
92 64.1 53.8 80.8
138 91.7 79.9 119.9





#49
Acenaphthylene
Concen: 9.808 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

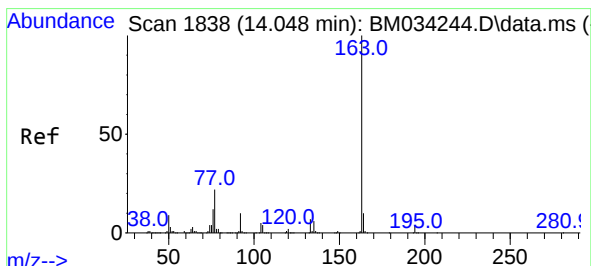
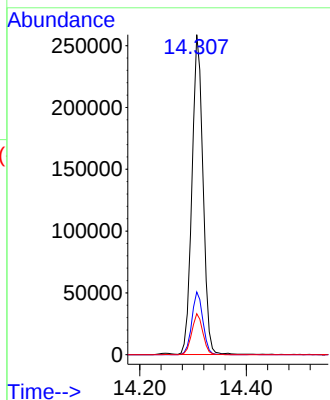
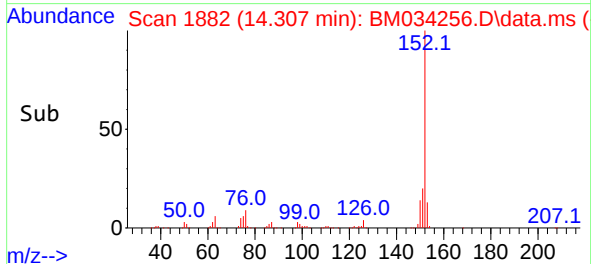
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



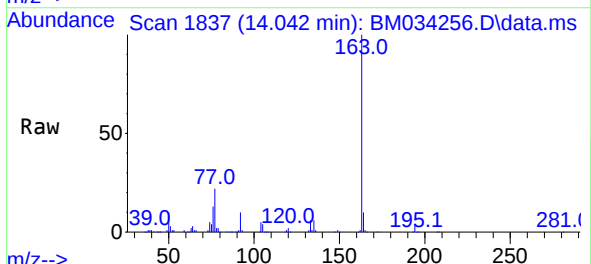
Tgt Ion:152 Resp: 370878
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 12.8 10.6 16.0

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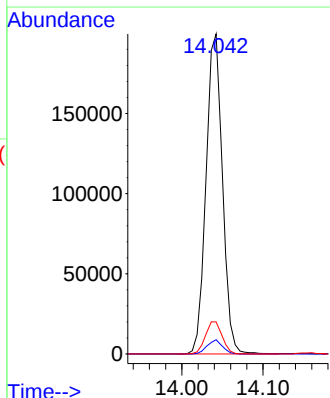
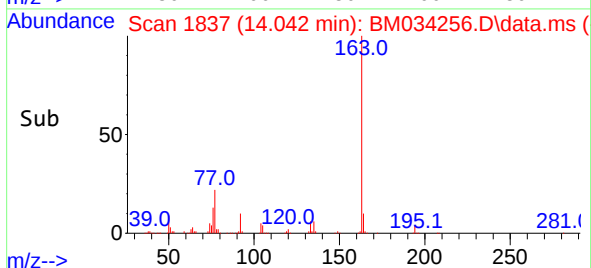
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

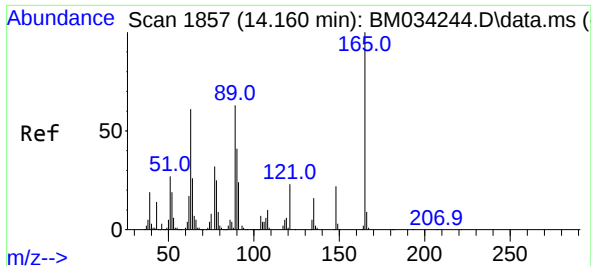


#50
Dimethylphthalate
Concen: 8.884 ng
RT: 14.042 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



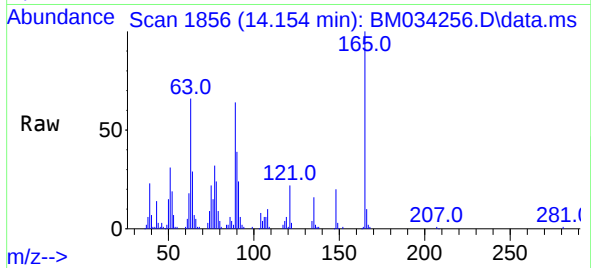
Tgt Ion:163 Resp: 280286
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.0 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 8.978 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

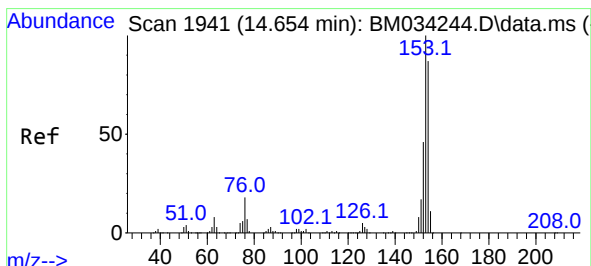
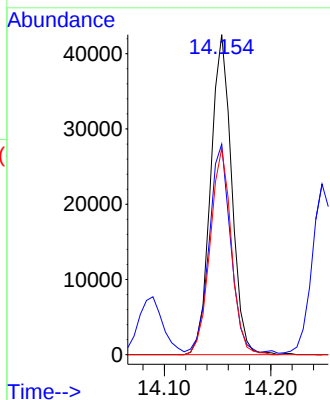
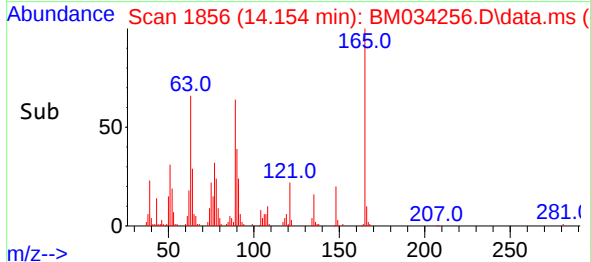
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



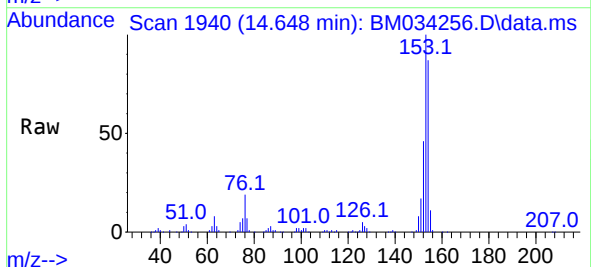
Tgt Ion:165 Resp: 5809
Ion Ratio Lower Upper
165 100
63 65.8 51.9 77.9
89 64.5 50.6 76.0

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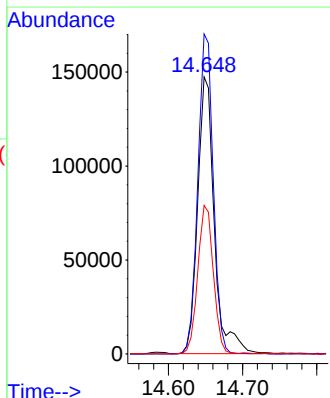
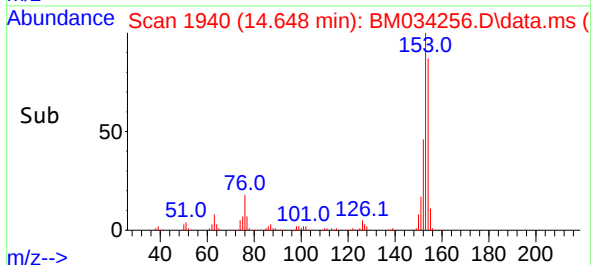
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

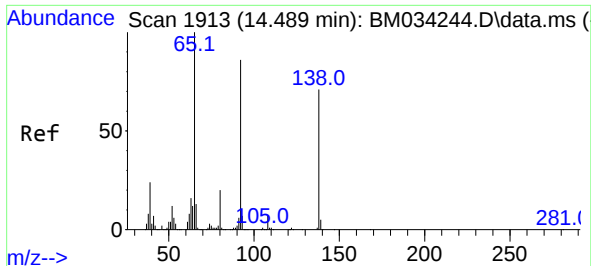


#52
Acenaphthene
Concen: 9.043 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



Tgt Ion:154 Resp: 230330
Ion Ratio Lower Upper
154 100
153 115.5 91.8 137.8
152 53.6 42.6 64.0





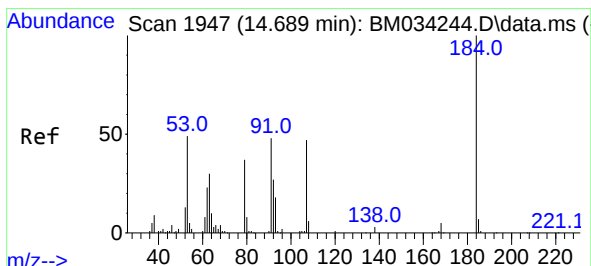
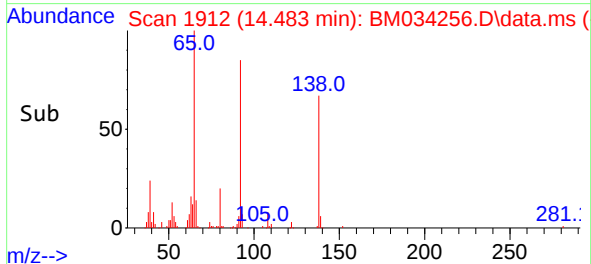
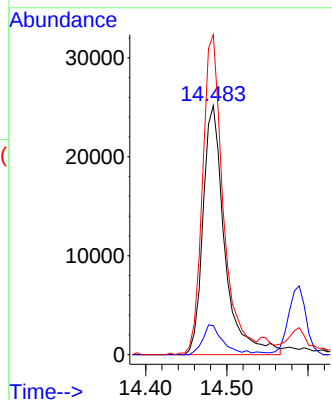
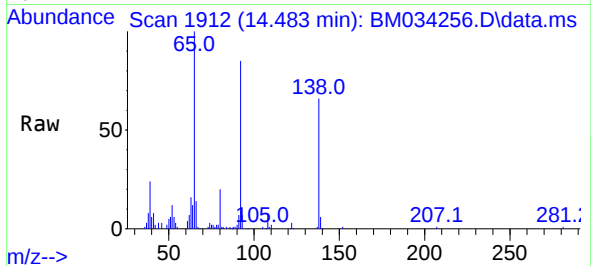
#53
3-Nitroaniline
Concen: 7.182 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

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

Tgt Ion:138 Resp: 46624
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 128.5 97.6 146.4

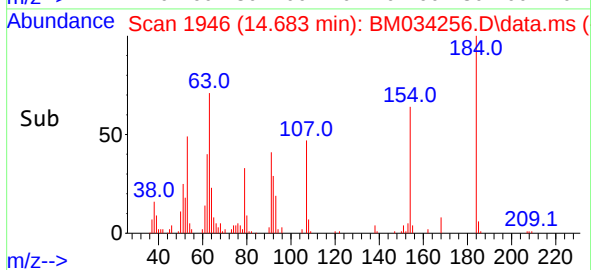
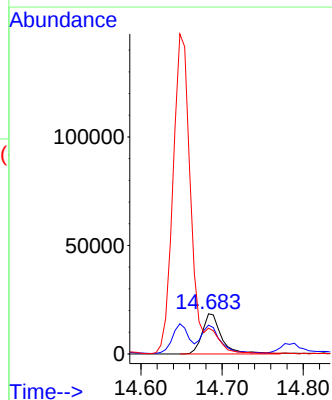
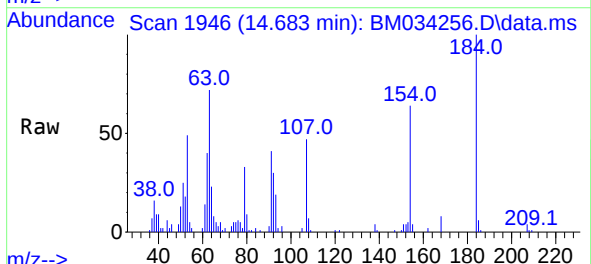
Manual Integrations
APPROVED

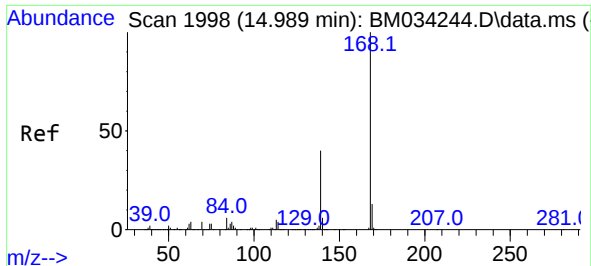
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#54
2,4-Dinitrophenol
Concen: 8.415 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

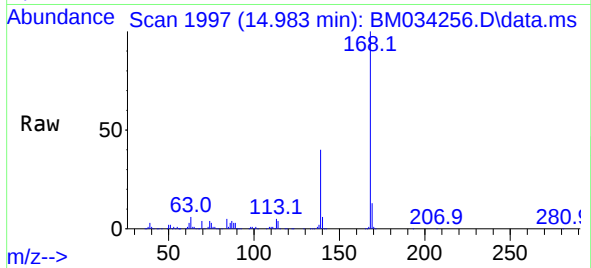
Tgt Ion:184 Resp: 30508
Ion Ratio Lower Upper
184 100
63 71.8 58.3 87.5
154 64.2 52.6 78.8





#55
Dibenzenofuran
Concen: 9.127 ng
RT: 14.983 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

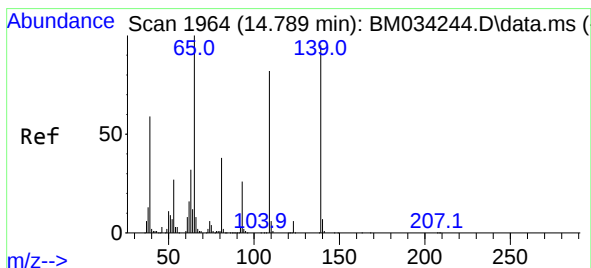
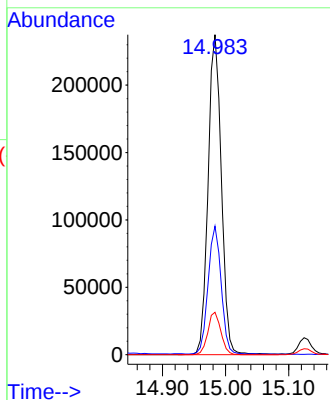
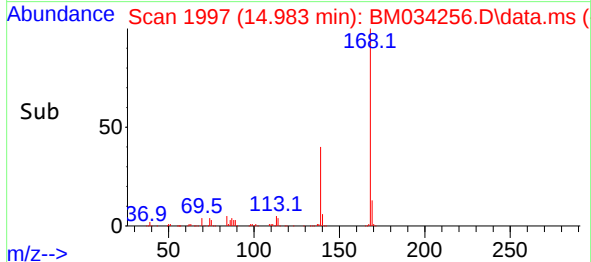
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 34642
Ion Ratio Lower Upper
168 100
139 40.2 32.4 48.6
169 13.2 10.8 16.2

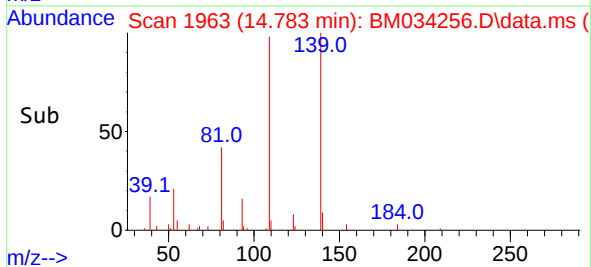
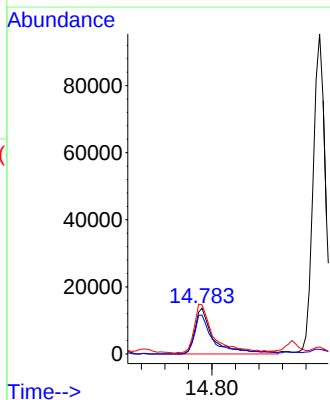
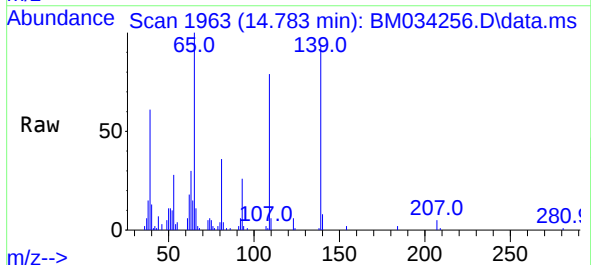
Manual Integrations
APPROVED

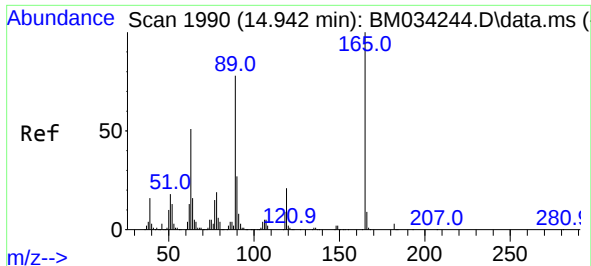
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#56
4-Nitrophenol
Concen: 5.766 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

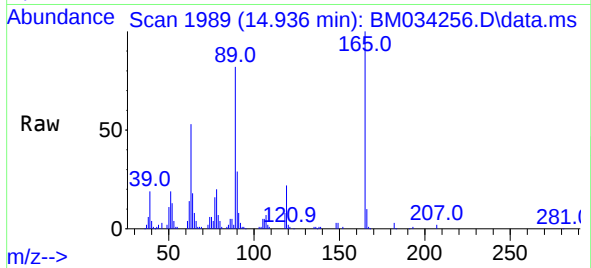
Tgt Ion:139 Resp: 30347
Ion Ratio Lower Upper
139 100
109 85.0 66.3 106.3
65 107.1 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 8.118 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

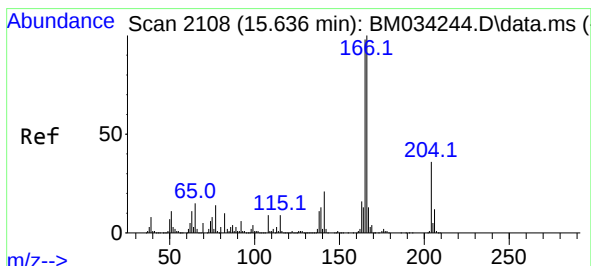
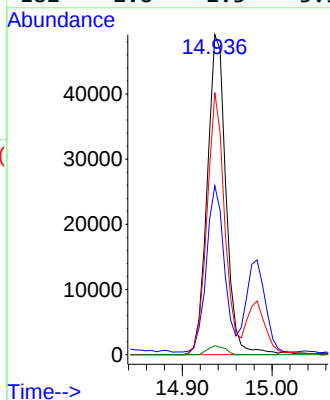
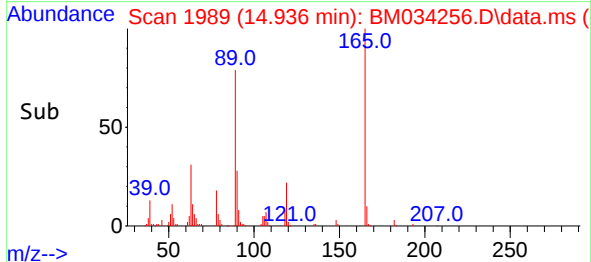
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 7101
Ion Ratio Lower Upper
165 100
63 52.8 40.6 61.0
89 81.9 62.7 94.1
182 2.8 2.3 3.5

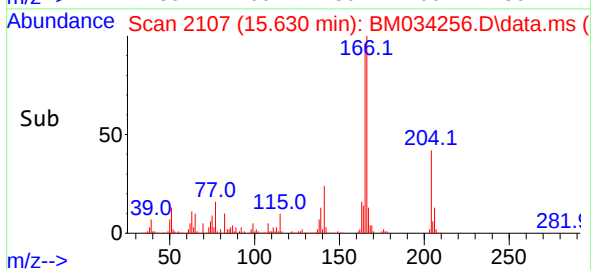
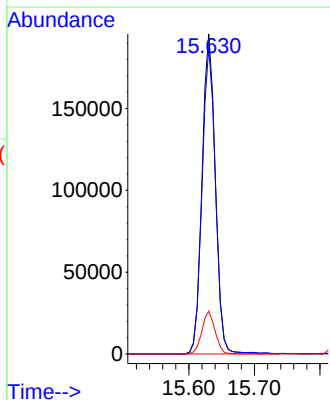
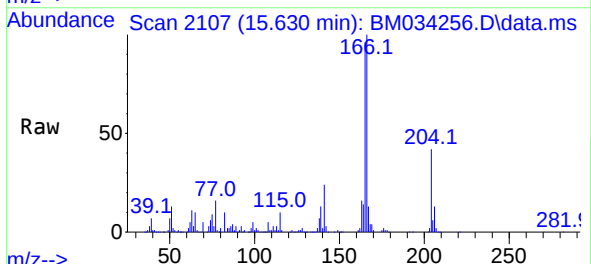
Manual Integrations
APPROVED

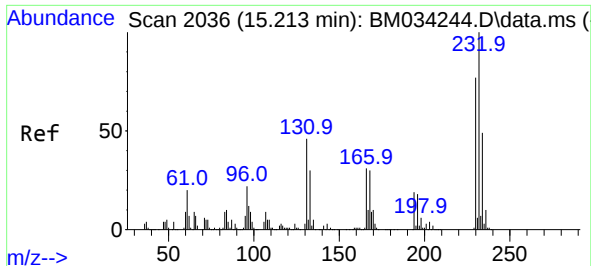
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 8.969 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

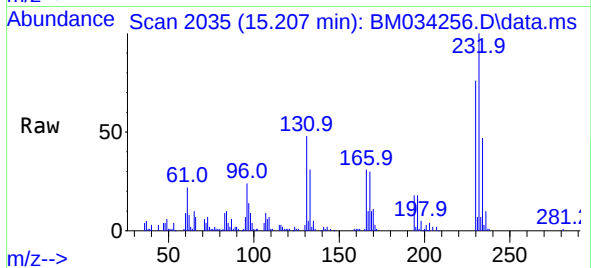
Tgt Ion:166 Resp: 276362
Ion Ratio Lower Upper
166 100
165 95.7 78.0 117.0
167 13.4 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.283 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

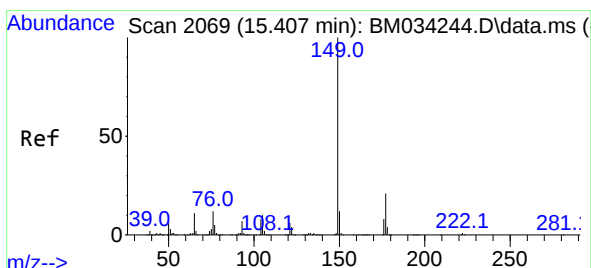
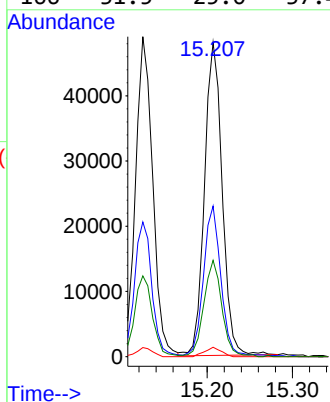
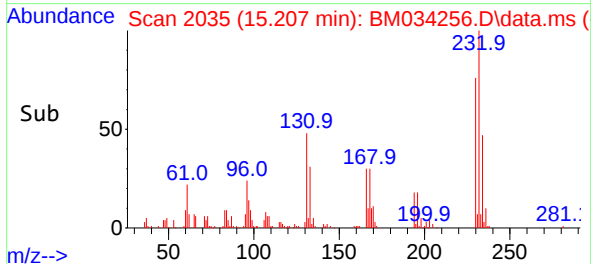
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



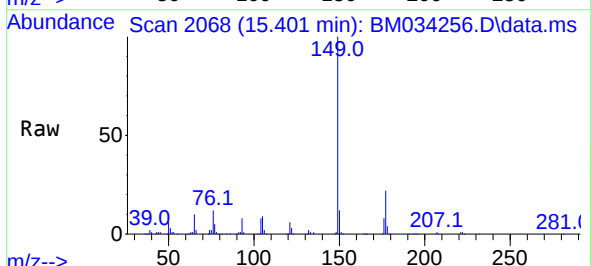
Tgt Ion:232 Resp: 69240
Ion Ratio Lower Upper
232 100
131 48.0 38.0 57.0
130 2.8 2.2 3.2
166 31.5 25.0 37.4

Manual Integrations
APPROVED

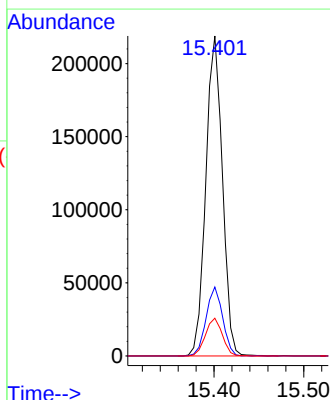
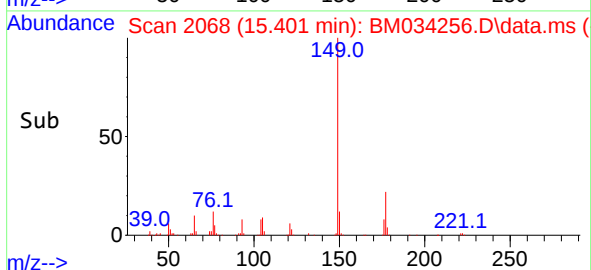
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

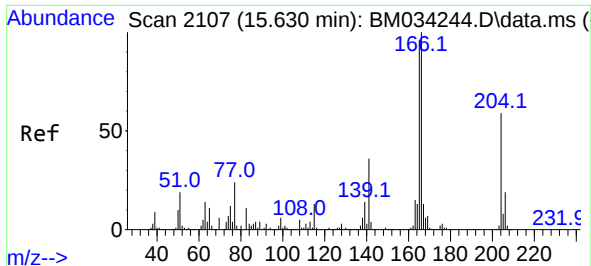


#60
Diethylphthalate
Concen: 8.685 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



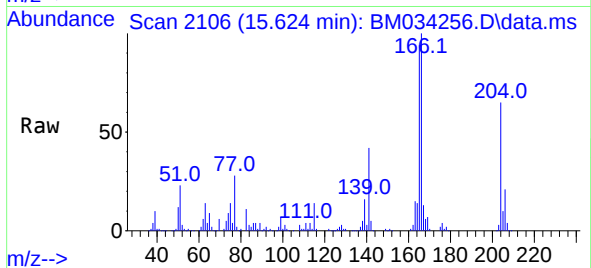
Tgt Ion:149 Resp: 281104
Ion Ratio Lower Upper
149 100
177 21.6 17.1 25.7
150 11.8 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.929 ng
RT: 15.624 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

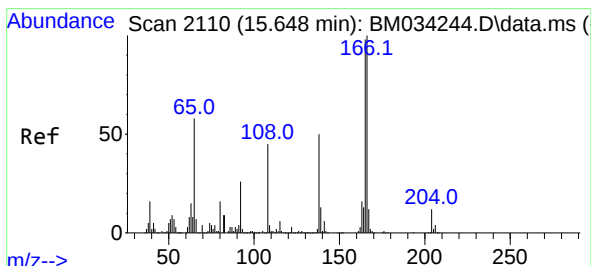
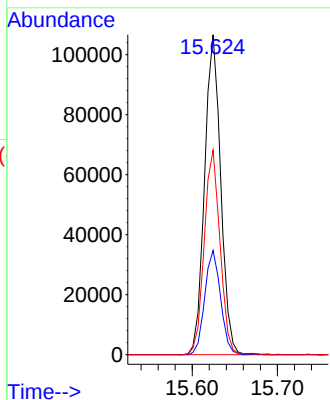
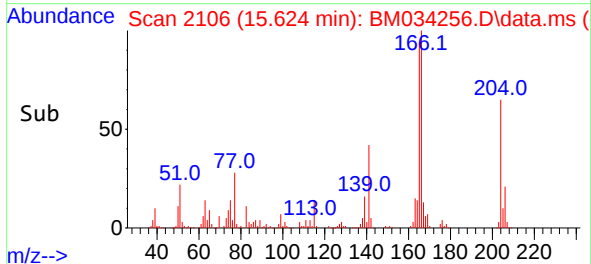
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



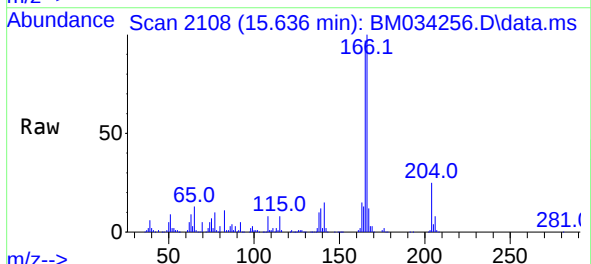
Tgt Ion:204 Resp: 14047
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 64.0 49.4 74.2

Manual Integrations
APPROVED

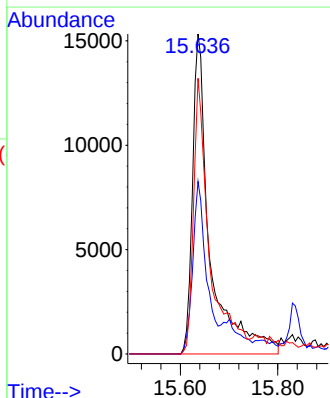
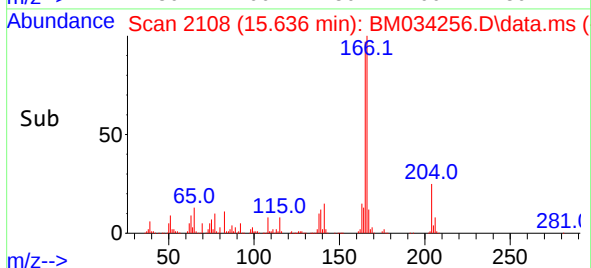
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

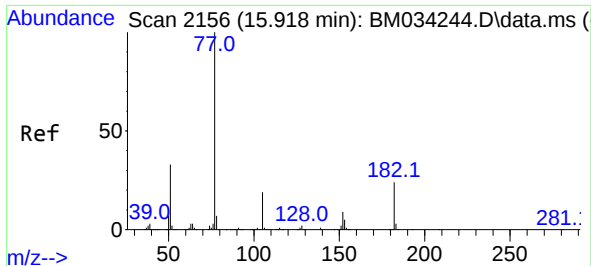


#62
4-Nitroaniline
Concen: 6.194 ng
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



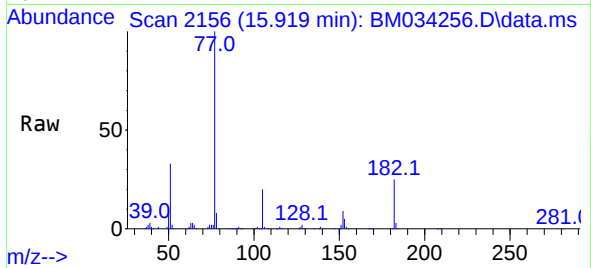
Tgt Ion:138 Resp: 38684
Ion Ratio Lower Upper
138 100
92 53.9 32.6 72.6
108 86.2 69.8 109.8





#63
Azobenzene
Concen: 8.588 ng
RT: 15.919 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

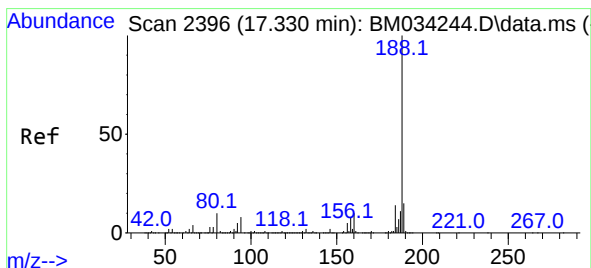
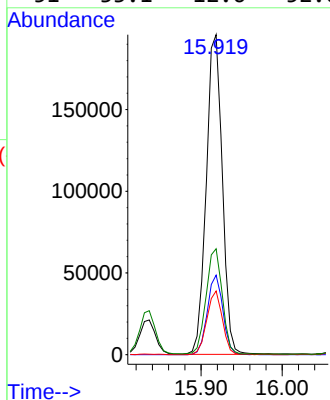
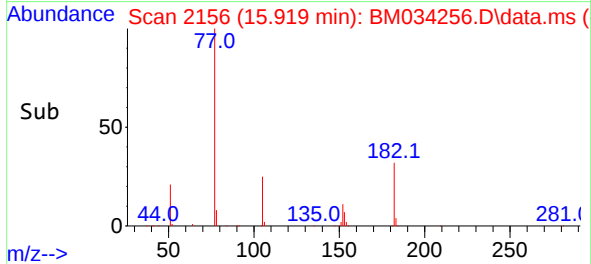
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 26805
Ion Ratio Lower Upper
77 100
182 24.9 4.4 44.4
105 19.9 0.0 38.7
51 33.1 12.6 52.6

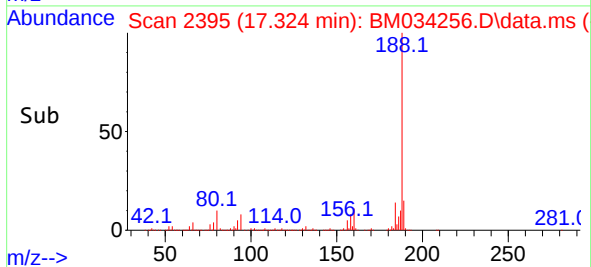
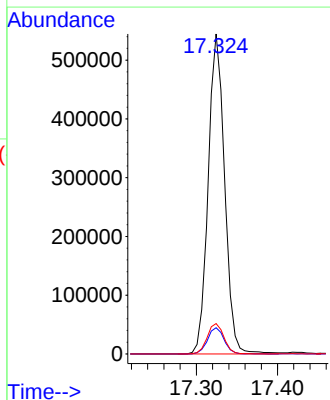
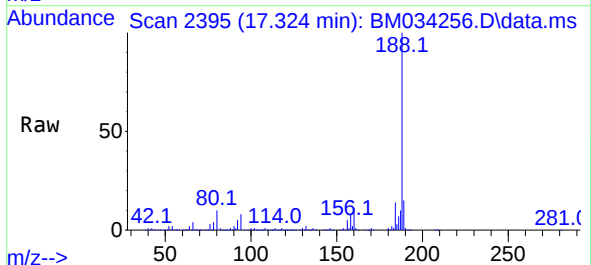
Manual Integrations
APPROVED

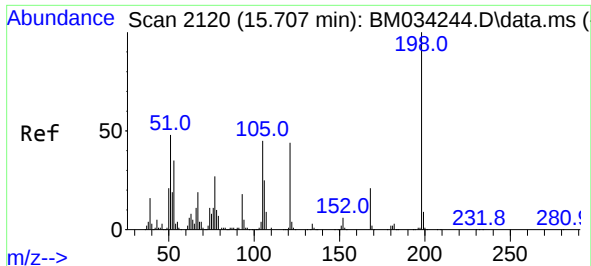
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

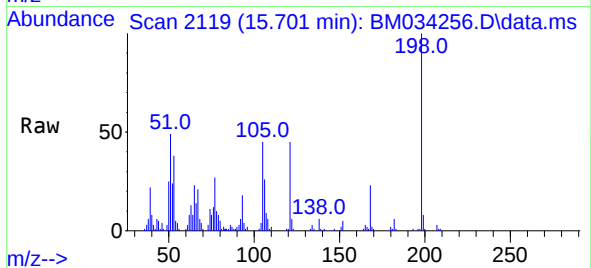
Tgt Ion:188 Resp: 764817
Ion Ratio Lower Upper
188 100
94 8.2 6.6 9.8
80 9.5 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 8.782 ng
RT: 15.701 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

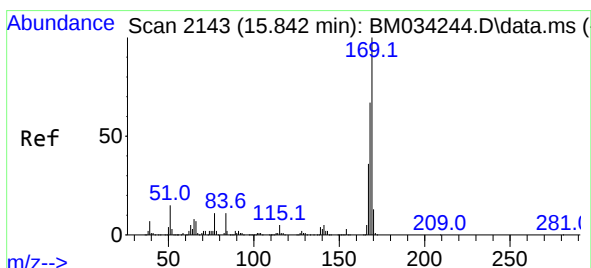
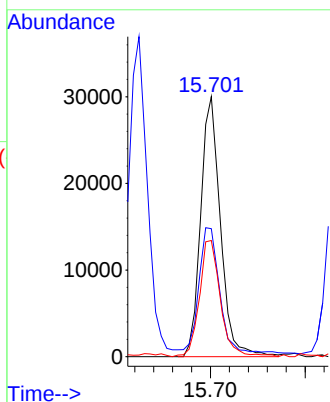
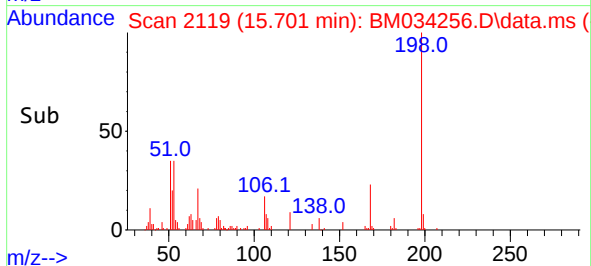
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:198 Resp: 4367
Ion Ratio Lower Upper
198 100
51 49.2 29.0 69.0
105 44.7 25.3 65.3

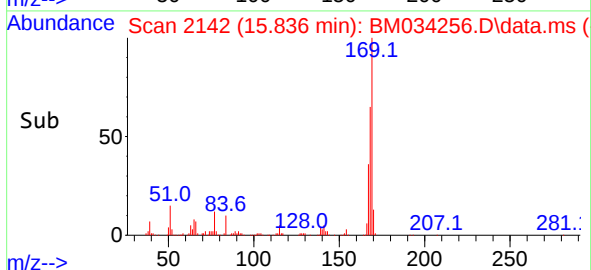
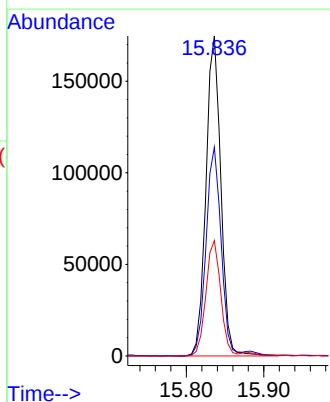
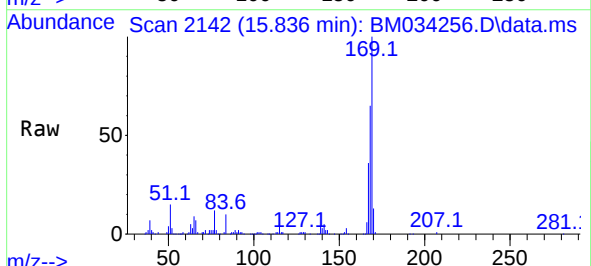
Manual Integrations
APPROVED

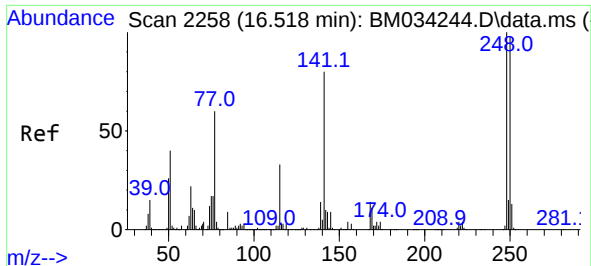
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 9.609 ng
RT: 15.836 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

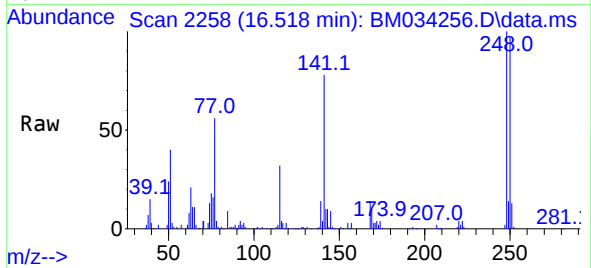
Tgt Ion:169 Resp: 233493
Ion Ratio Lower Upper
169 100
168 65.2 53.9 80.9
167 36.0 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 9.304 ng
RT: 16.518 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

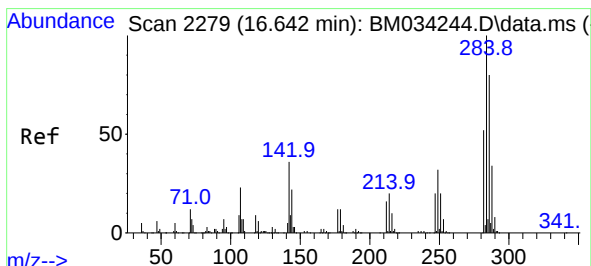
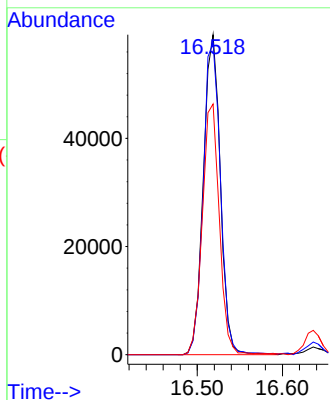
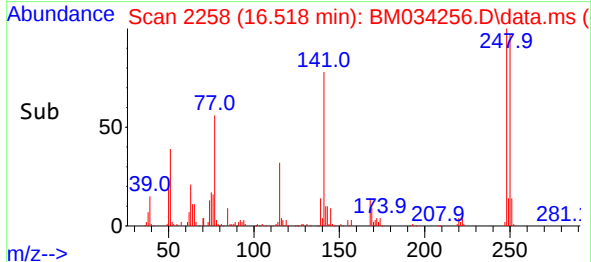
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



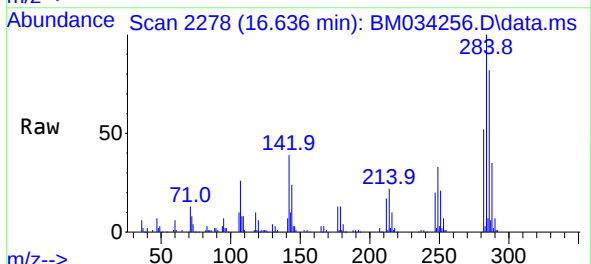
Tgt Ion:248 Resp: 81798
Ion Ratio Lower Upper
248 100
250 97.4 78.0 117.0
141 78.3 63.8 95.6

Manual Integrations
APPROVED

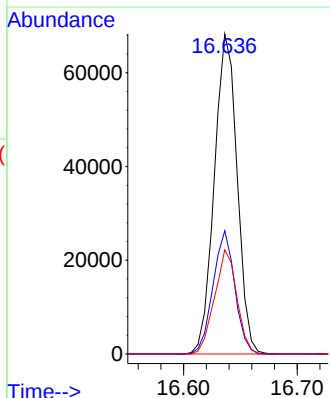
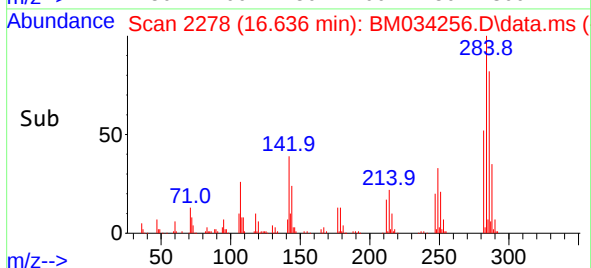
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

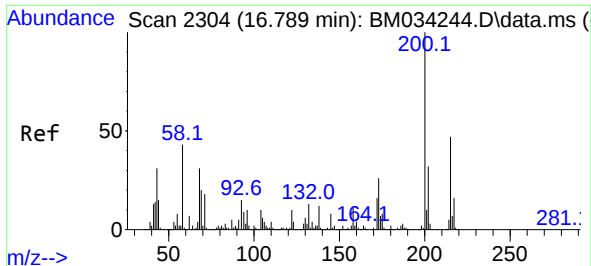


#68
Hexachlorobenzene
Concen: 9.703 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



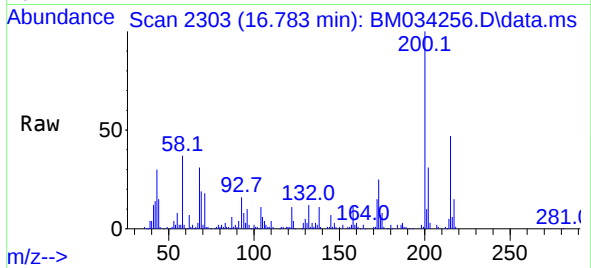
Tgt Ion:284 Resp: 95150
Ion Ratio Lower Upper
284 100
142 38.5 28.9 43.3
249 32.5 25.4 38.0





#69
Atrazine
Concen: 9.372 ng
RT: 16.783 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

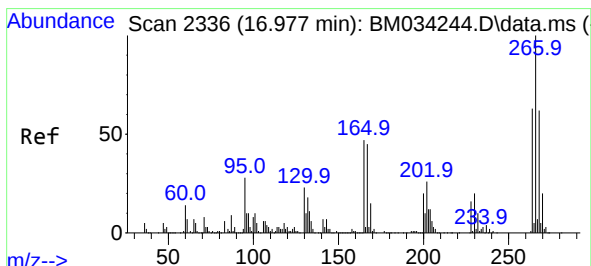
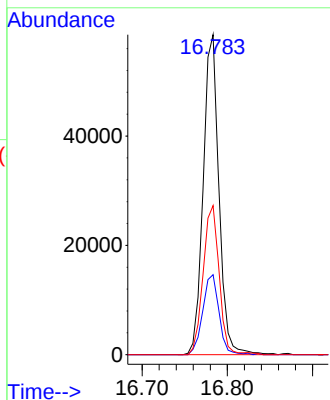
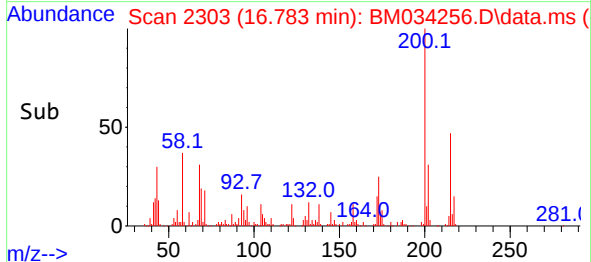
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



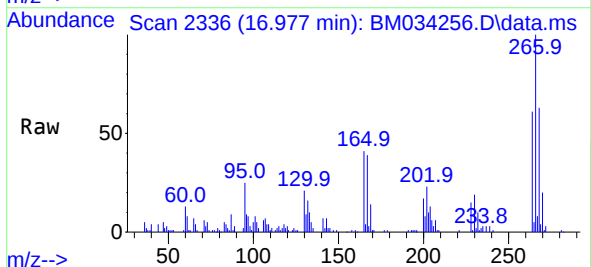
Tgt Ion:200 Resp: 75059
Ion Ratio Lower Upper
200 100
173 25.0 6.1 46.1
215 46.6 27.4 67.4

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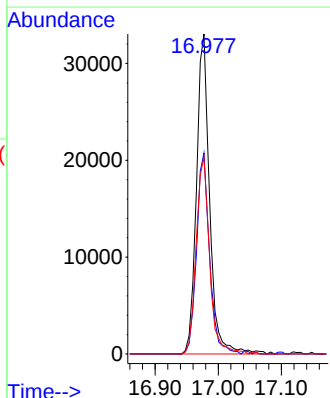
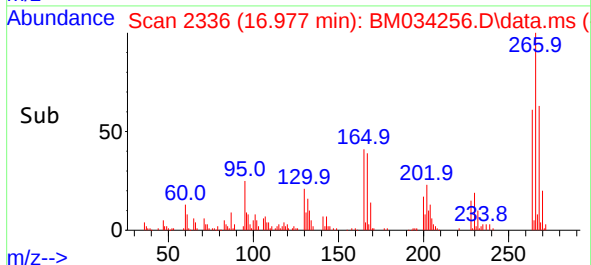
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

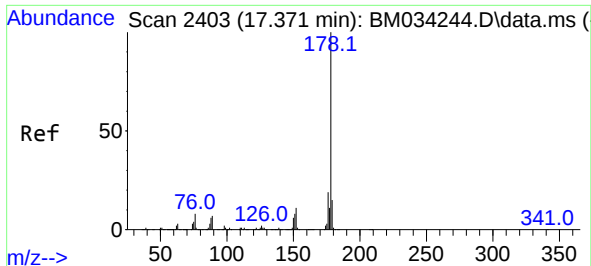


#70
Pentachlorophenol
Concen: 7.627 ng
RT: 16.977 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



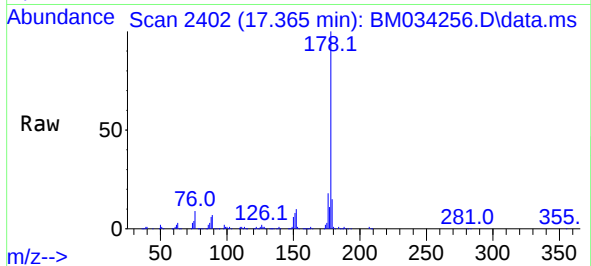
Tgt Ion:266 Resp: 47828
Ion Ratio Lower Upper
266 100
268 62.8 49.8 74.8
264 61.4 50.3 75.5





#71
Phenanthrene
Concen: 9.249 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

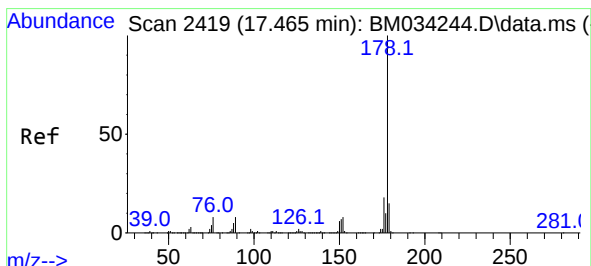
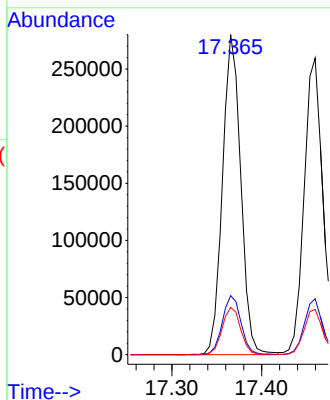
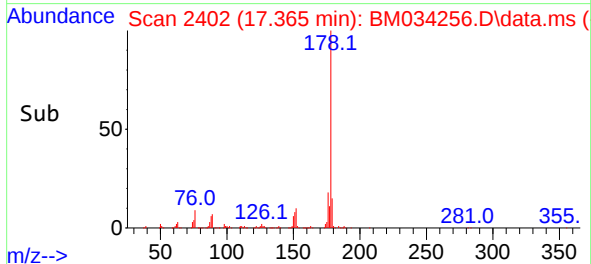
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



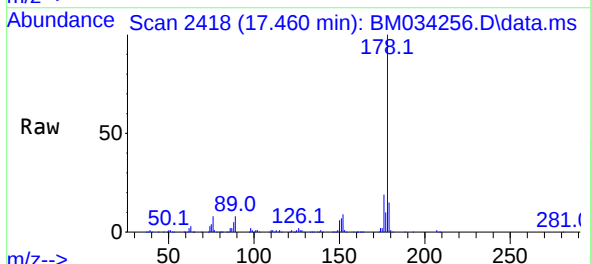
Tgt Ion:178 Resp: 396129
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 14.7 12.2 18.4

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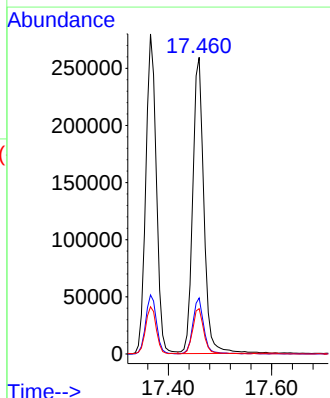
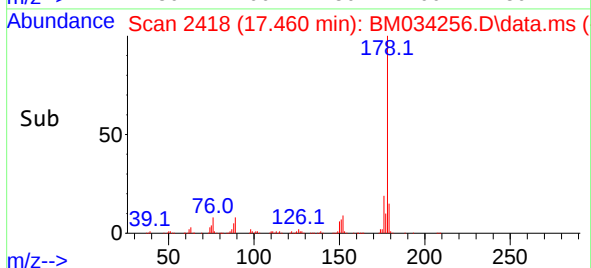
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

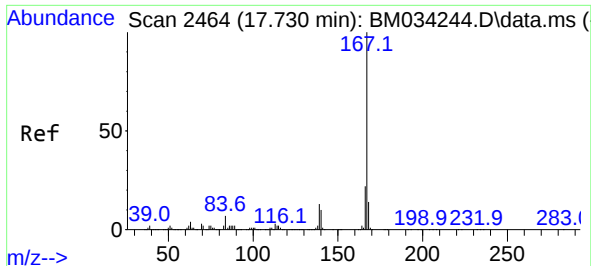


#72
Anthracene
Concen: 9.345 ng
RT: 17.460 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



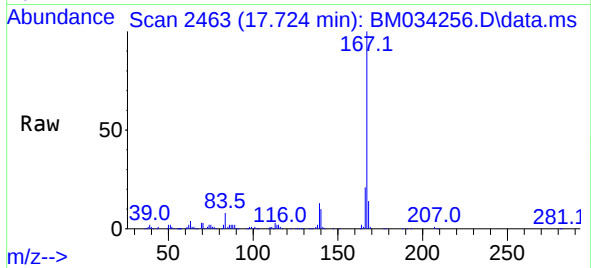
Tgt Ion:178 Resp: 389571
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.3 12.2 18.2





#73
 Carbazole
 Concen: 7.833 ng
 RT: 17.724 min Scan# 2463
 Delta R.T. -0.006 min
 Lab File: BM034256.D
 Acq: 16 Mar 2022 13:07

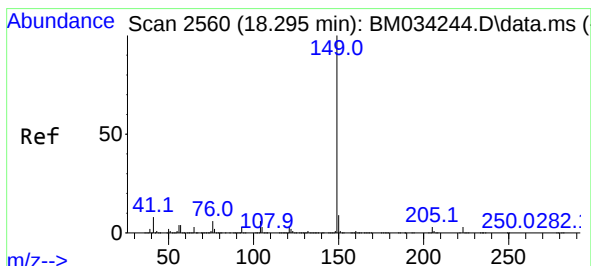
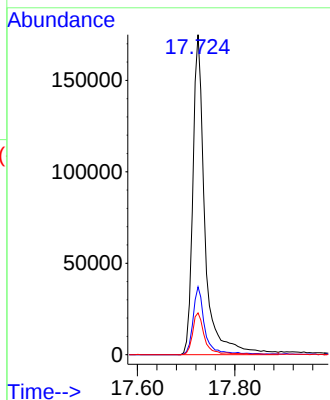
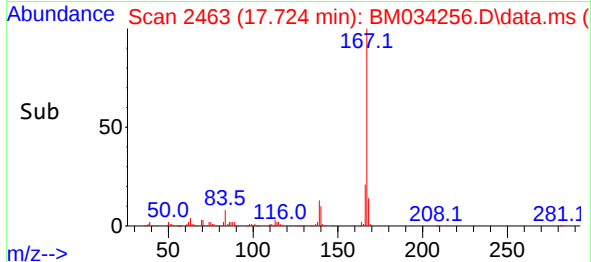
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



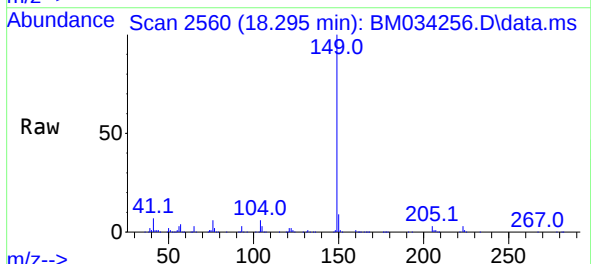
Tgt Ion:167 Resp: 304549
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.2
 139 13.1 10.4 15.6

Manual Integrations
 APPROVED

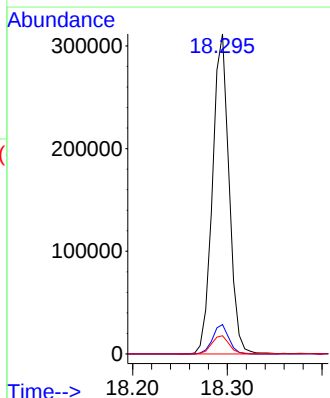
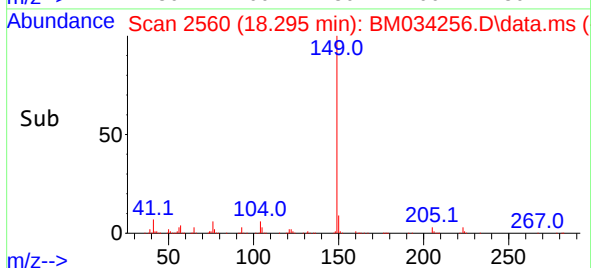
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

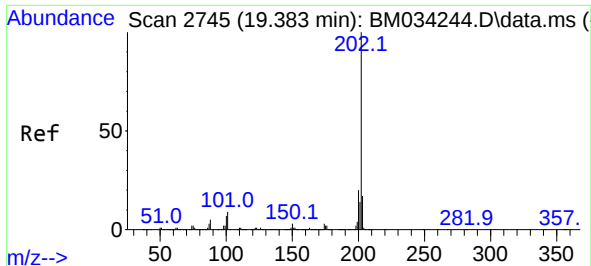


#74
 Di-n-butylphthalate
 Concen: 7.843 ng
 RT: 18.295 min Scan# 2560
 Delta R.T. 0.000 min
 Lab File: BM034256.D
 Acq: 16 Mar 2022 13:07



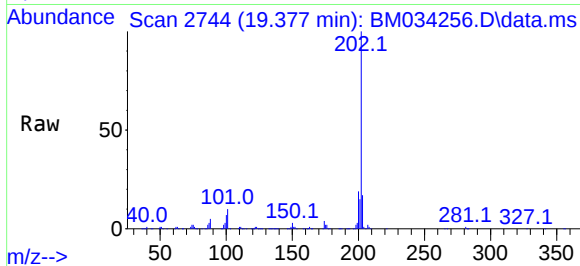
Tgt Ion:149 Resp: 379096
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.6 11.4
 104 5.7 4.7 7.1





#75
Fluoranthene
Concen: 8.237 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

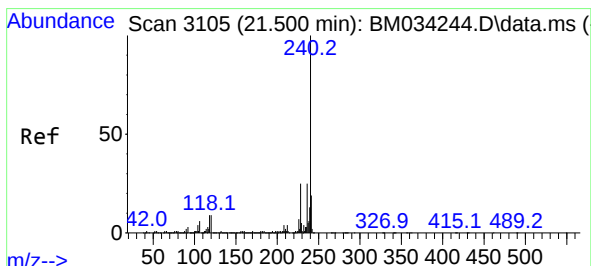
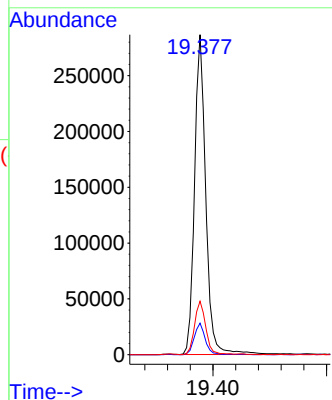
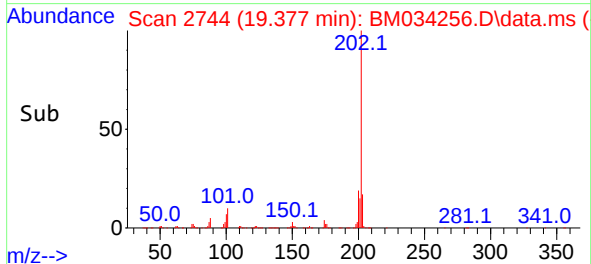
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:202 Resp: 395524
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.4
203 16.7 0.0 37.1

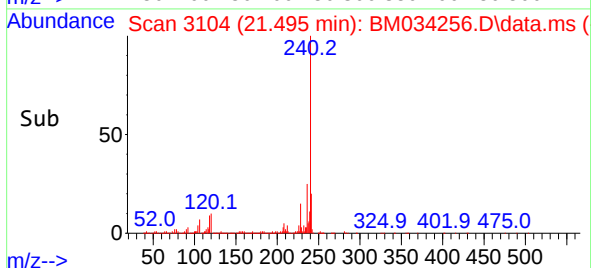
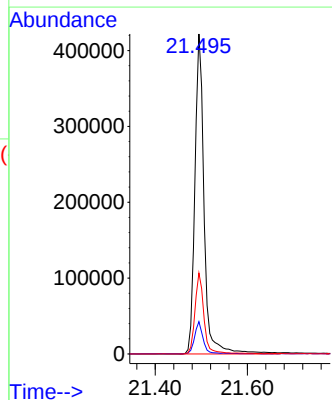
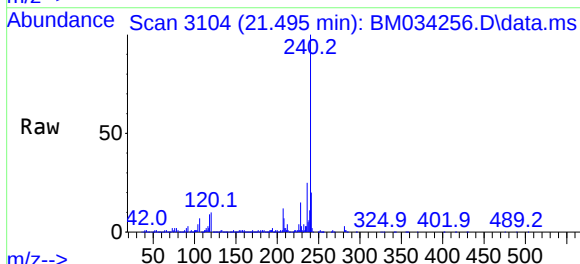
Manual Integrations
APPROVED

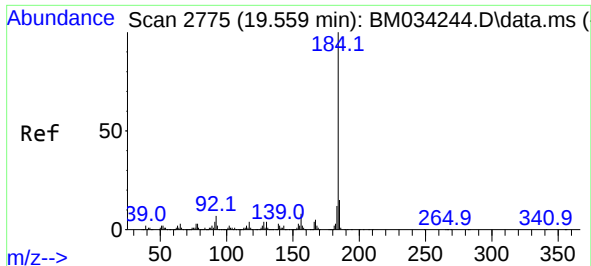
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

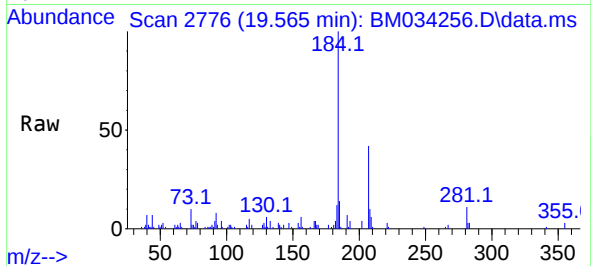
Tgt Ion:240 Resp: 584941
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 25.3 20.2 30.2





#77
Benzidine
Concen: 10.985 ng m
RT: 19.565 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

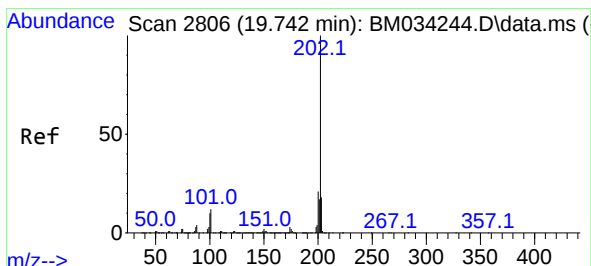
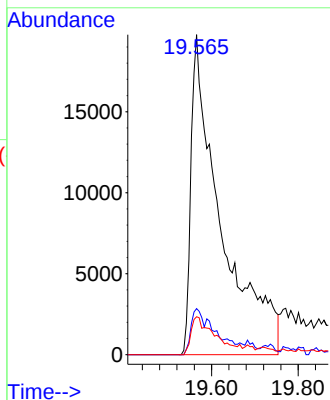
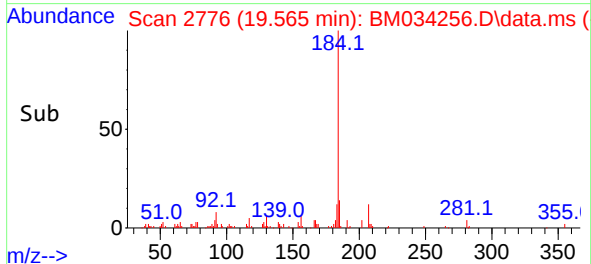
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



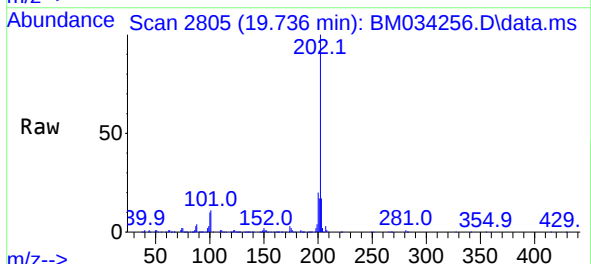
Tgt Ion:184 Resp: 9416
Ion Ratio Lower Upper
184 100
185 14.4 11.7 17.5
183 11.9 9.8 14.6

Manual Integrations
APPROVED

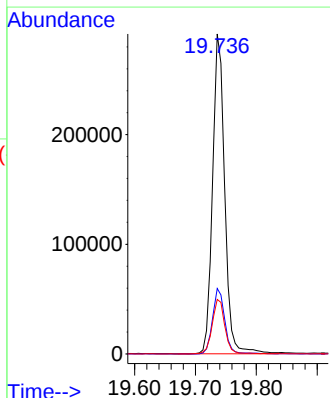
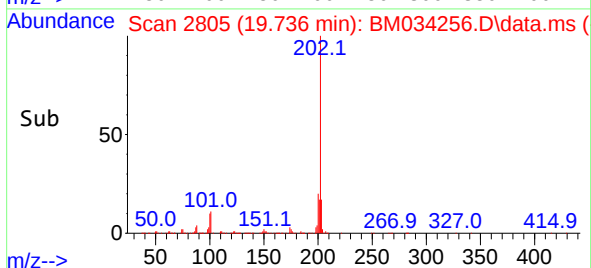
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

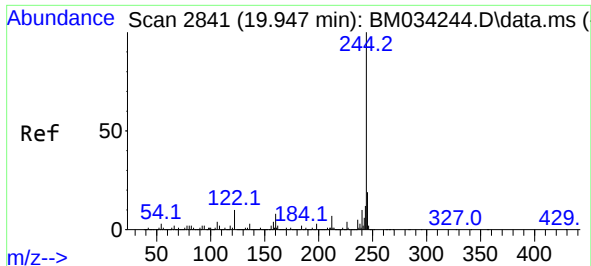


#78
Pyrene
Concen: 9.780 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



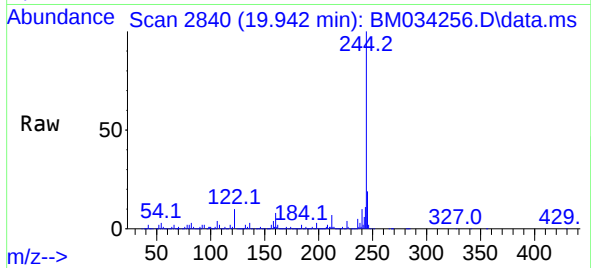
Tgt Ion:202 Resp: 403077
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.1 14.1 21.1





#79
Terphenyl-d14
Concen: 72.880 ng
RT: 19.942 min Scan# 244
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

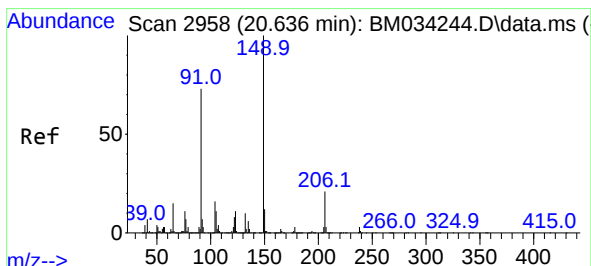
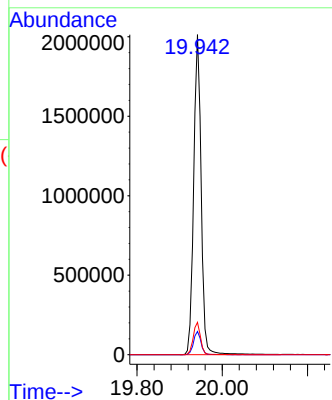
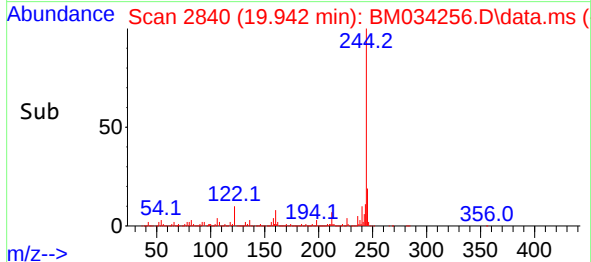
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



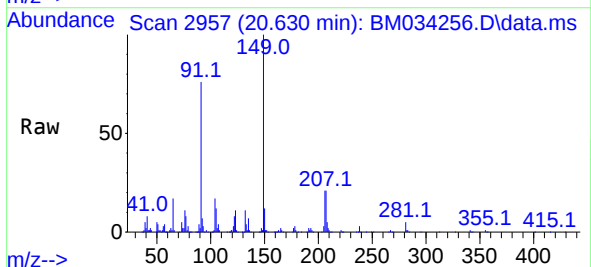
Tgt Ion:244 Resp: 2453409
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 10.1 7.8 11.8

Manual Integrations
APPROVED

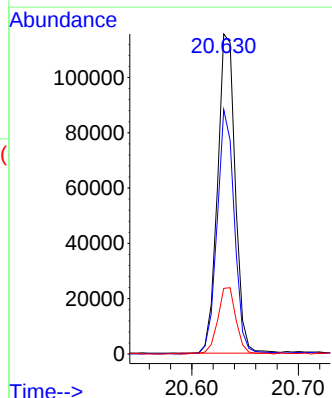
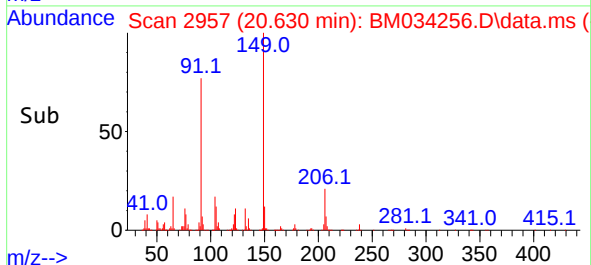
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

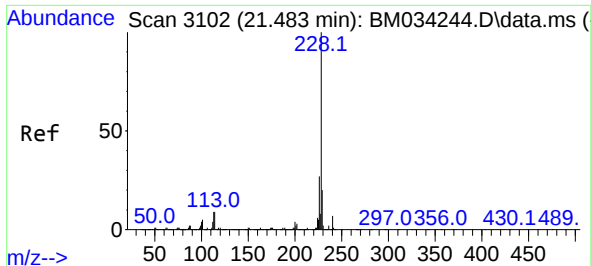


#80
Butylbenzylphthalate
Concen: 7.631 ng
RT: 20.630 min Scan# 2957
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



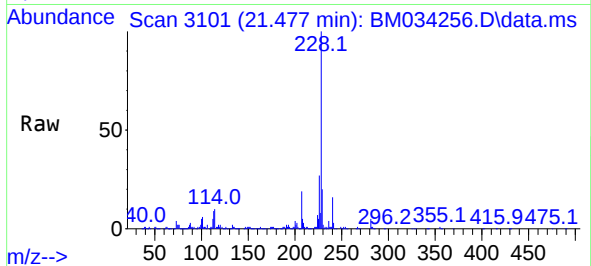
Tgt Ion:149 Resp: 133002
Ion Ratio Lower Upper
149 100
91 76.3 58.5 87.7
206 20.5 16.9 25.3





#81
Benzo(a)anthracene
Concen: 8.960 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

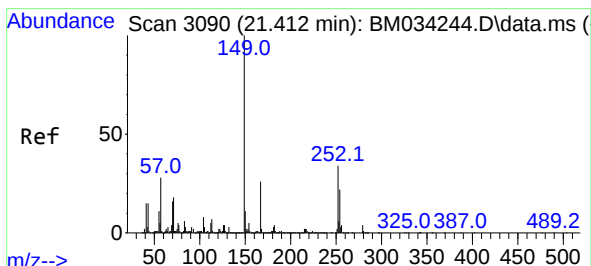
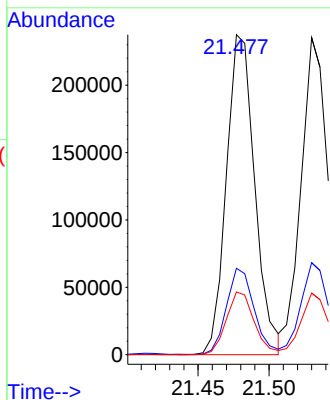
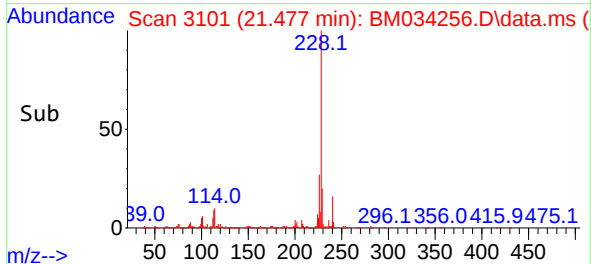
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 330782
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.6 15.8 23.6

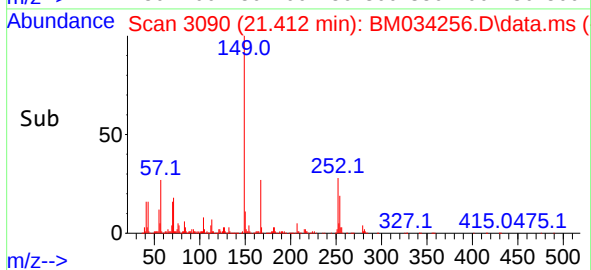
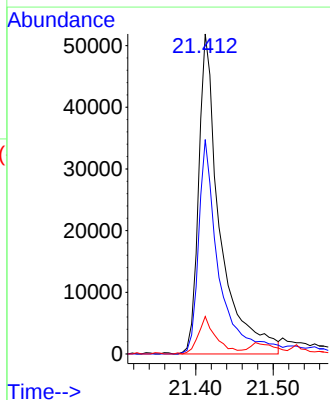
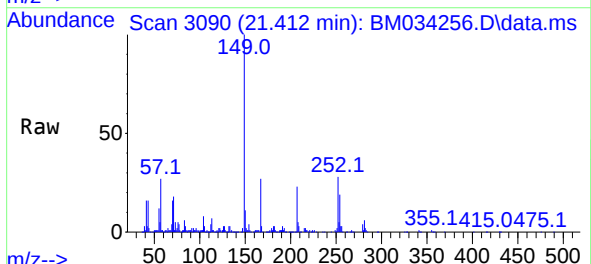
Manual Integrations
APPROVED

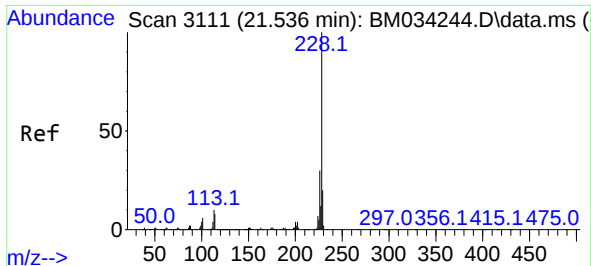
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 8.034 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

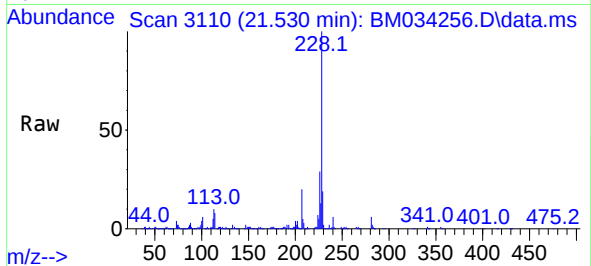
Tgt Ion:252 Resp: 99074
Ion Ratio Lower Upper
252 100
254 67.0 50.9 76.3
126 11.7 8.6 12.8





#83
Chrysene
Concen: 9.118 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

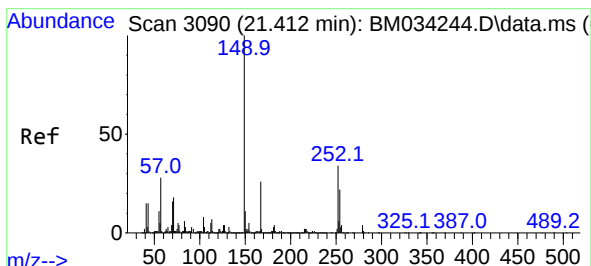
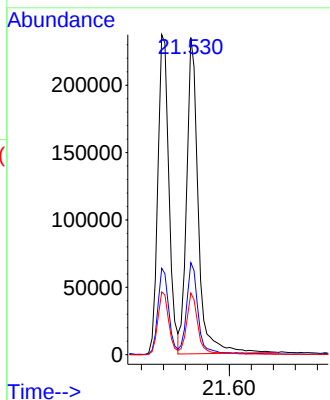
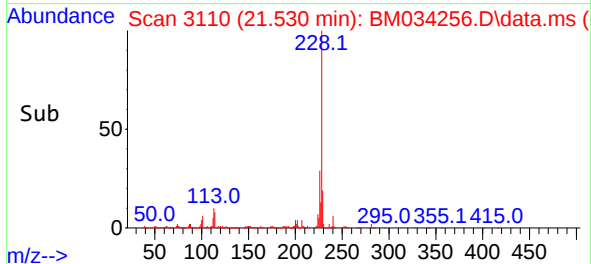
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 343758
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 19.4 15.6 23.4

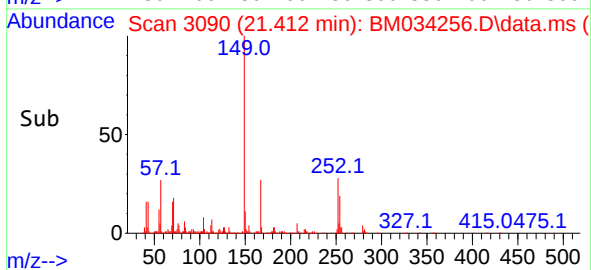
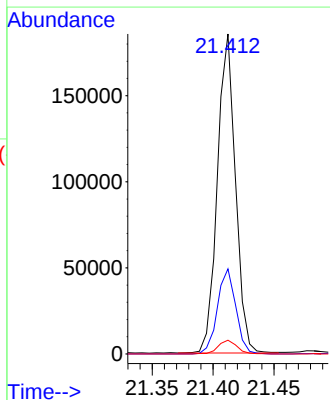
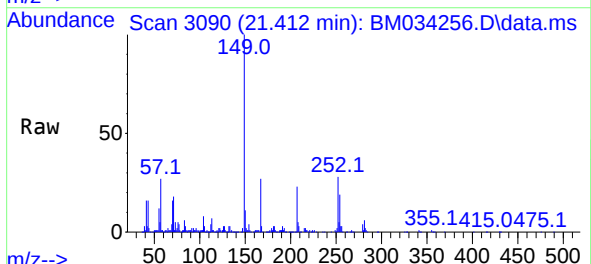
Manual Integrations
APPROVED

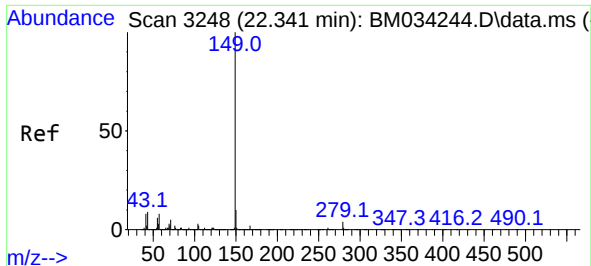
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.453 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

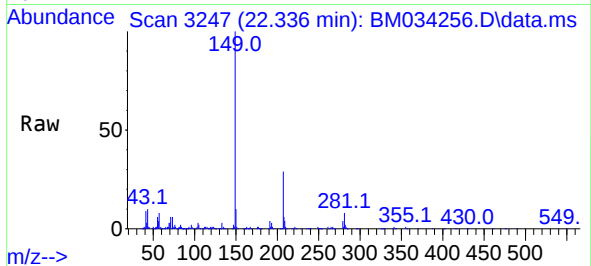
Tgt Ion:149 Resp: 191826
Ion Ratio Lower Upper
149 100
167 26.6 21.2 31.8
279 4.3 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 7.393 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

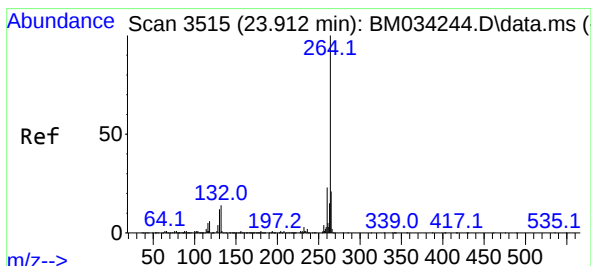
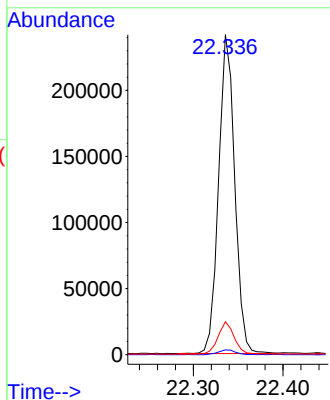
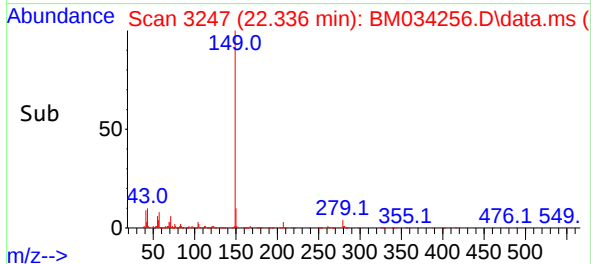
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:149 Resp: 302060
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.4 7.8 11.8

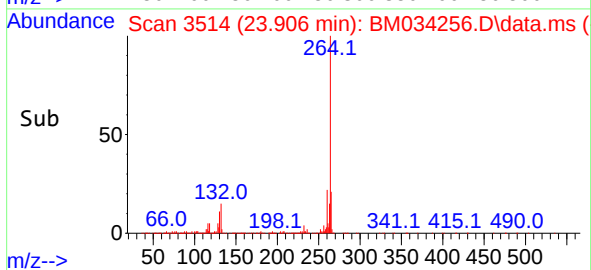
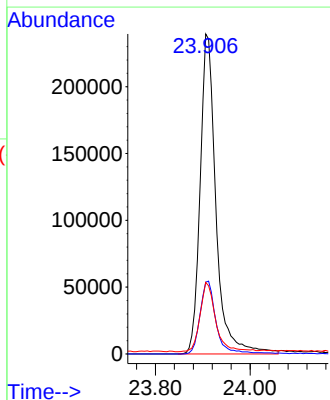
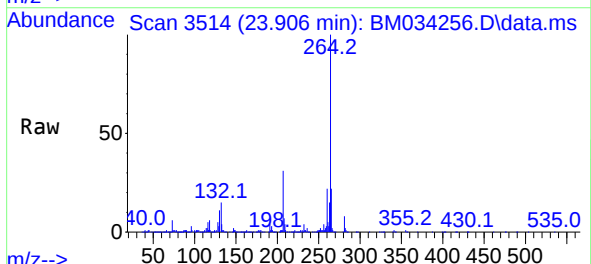
Manual Integrations
APPROVED

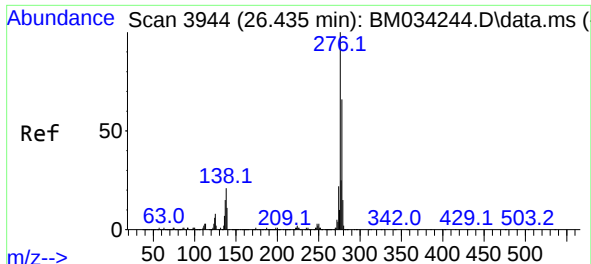
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

Tgt Ion:264 Resp: 557069
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 22.4 17.6 26.4





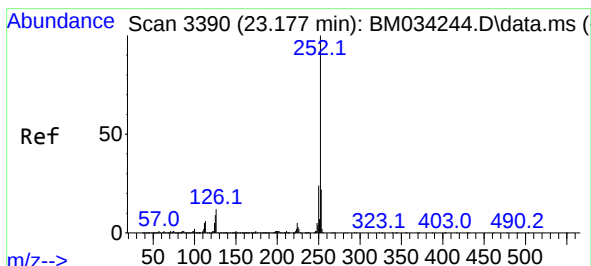
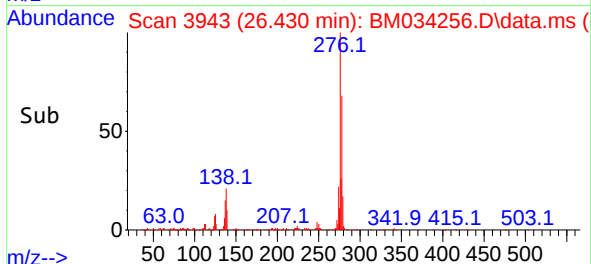
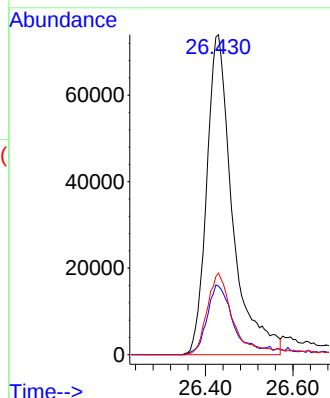
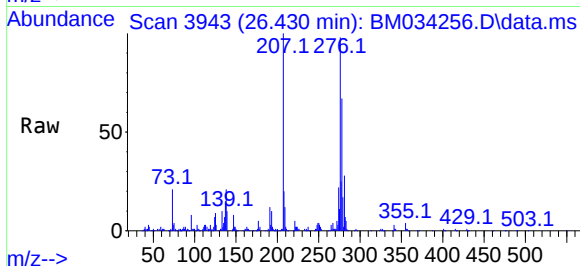
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.458 ng
RT: 26.430 min Scan# 3944
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

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

Tgt Ion:276 Resp: 303080
Ion Ratio Lower Upper
276 100
138 22.1 16.6 25.0
277 25.2 19.8 29.6

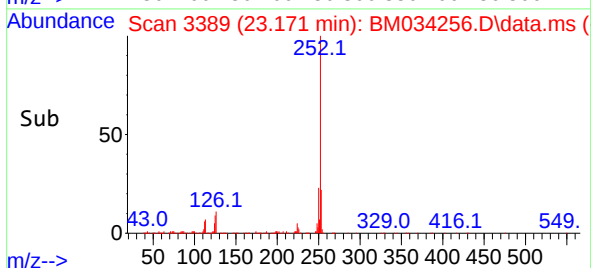
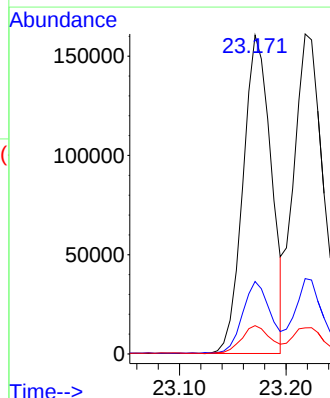
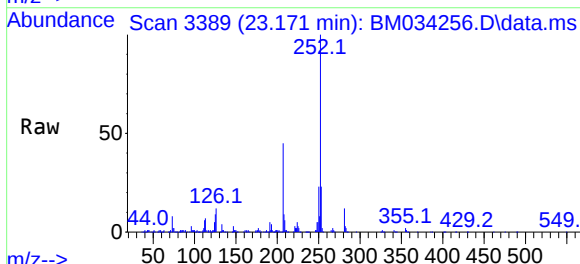
Manual Integrations
APPROVED

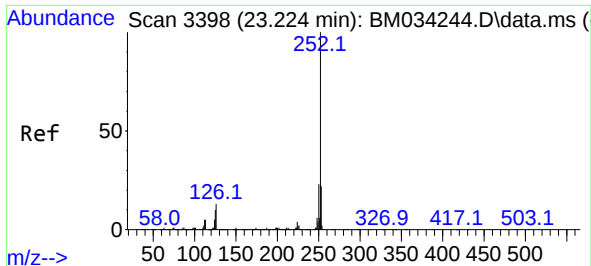
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#88
Benzo(b)fluoranthene
Concen: 8.841 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

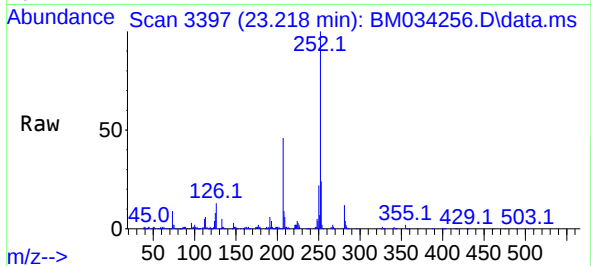
Tgt Ion:252 Resp: 294501
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 8.9 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 9.713 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

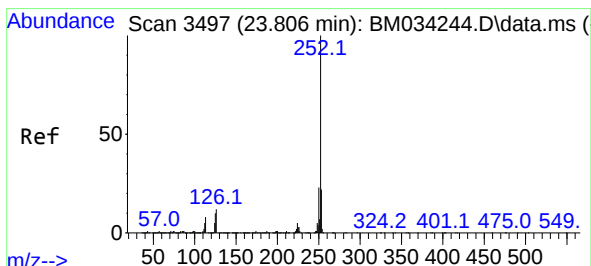
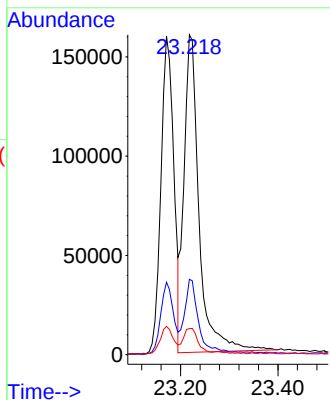
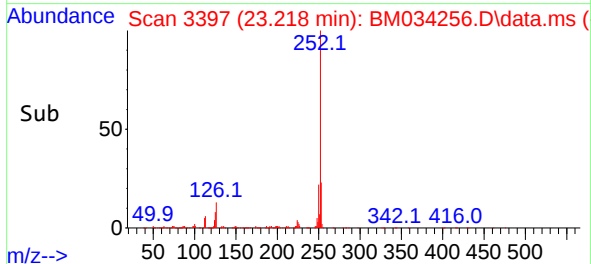
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:252 Resp: 342749
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 8.1 7.5 11.3

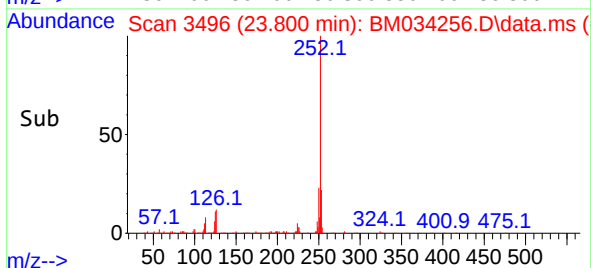
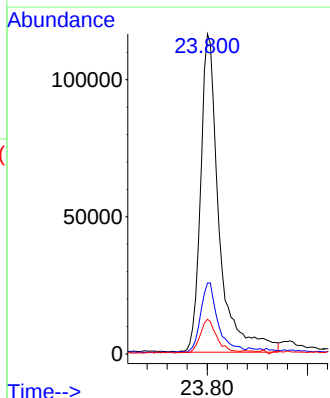
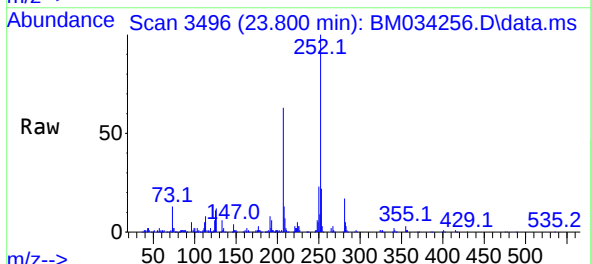
Manual Integrations
APPROVED

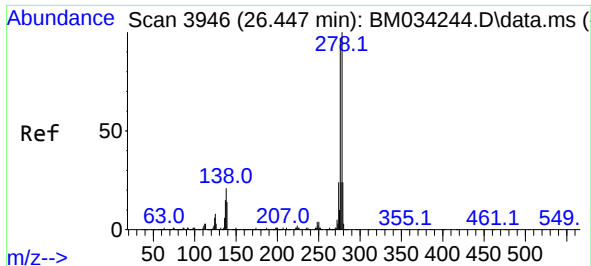
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#90
Benzo(a)pyrene
Concen: 10.541 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

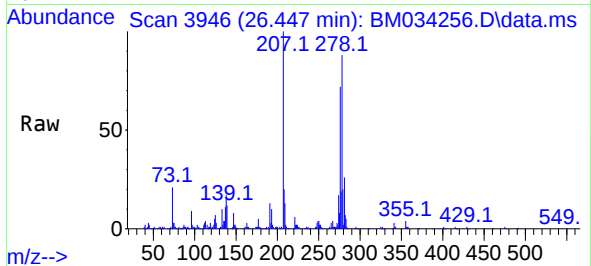
Tgt Ion:252 Resp: 297680
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 9.499 ng
RT: 26.447 min Scan# 3946
Delta R.T. 0.000 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07

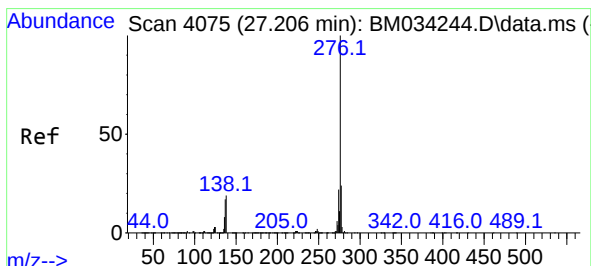
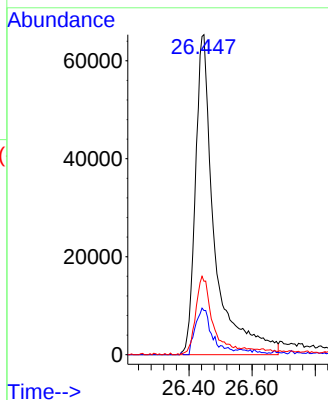
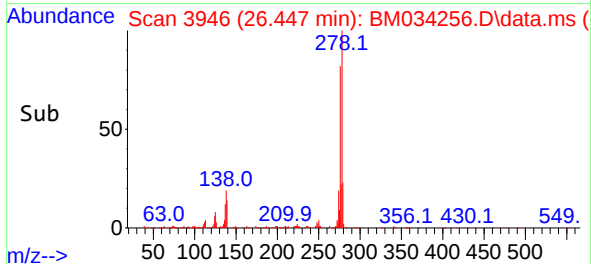
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



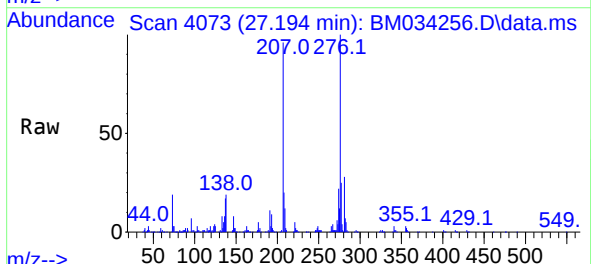
Tgt Ion: 278 Resp: 27600
Ion Ratio Lower Upper
278 100
139 13.8 11.2 16.8
279 22.9 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.863 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034256.D
Acq: 16 Mar 2022 13:07



Tgt Ion: 276 Resp: 296630
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 18.8 15.6 23.4

