

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
 Data File : BM034260.D
 Acq On : 16 Mar 2022 16:39
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 10ppn
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 16 17:07:50 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	176969	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	715028	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	471943	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	971433	20.000	ng	0.00
76) Chrysene-d12	21.494	240	937962	20.000	ng	0.00
86) Perylene-d12	23.912	264	856502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	931844	94.463	ng	0.00
7) Phenol-d6	7.101	99	1297907	91.894	ng	0.00
23) Nitrobenzene-d5	9.107	82	1003055	68.299	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	641324	100.818	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	2393476	69.302	ng	0.00
79) Terphenyl-d14	19.942	244	3851717	71.355	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.354	88	38673	8.665	ng	97
3) Pyridine	3.766	79	90318	7.478	ng	97
4) n-Nitrosodimethylamine	3.666	42	48708	8.494	ng	# 95
6) Aniline	7.266	93	151081	9.360	ng	99
8) 2-Chlorophenol	7.507	128	101263	8.776	ng	99
9) Benzaldehyde	7.078	77	93863m	12.335	ng	
10) Phenol	7.131	94	119383	8.499	ng	98
11) bis(2-Chloroethyl)ether	7.360	93	104182	9.036	ng	98
12) 1,3-Dichlorobenzene	7.836	146	116997	8.939	ng	98
13) 1,4-Dichlorobenzene	7.984	146	118627	8.854	ng	97
14) 1,2-Dichlorobenzene	8.301	146	114859	8.794	ng	98
15) Benzyl Alcohol	8.184	79	88399	7.865	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.478	45	140733	8.894	ng	99
17) 2-Methylphenol	8.389	107	79817	8.113	ng	99
18) Hexachloroethane	9.036	117	44077	8.919	ng	98
19) n-Nitroso-di-n-propyla...	8.754	70	88813	8.693	ng	99
20) 3+4-Methylphenols	8.719	107	107451	7.897	ng	98
22) Acetophenone	8.772	105	161909	8.824	ng	# 98
24) Nitrobenzene	9.148	77	128857	9.398	ng	99
25) Isophorone	9.678	82	235000	9.562	ng	97
26) 2-Nitrophenol	9.866	139	47989	7.892	ng	99
27) 2,4-Dimethylphenol	9.925	122	89909	9.443	ng	97
28) bis(2-Chloroethoxy)met...	10.166	93	140354	8.920	ng	99
29) 2,4-Dichlorophenol	10.401	162	91027	8.228	ng	98
30) 1,2,4-Trichlorobenzene	10.625	180	110761	8.808	ng	96
31) Naphthalene	10.807	128	339153	9.104	ng	99
32) Benzoic acid	10.013	122	57889	7.352	ng	92
33) 4-Chloroaniline	10.913	127	123921	8.433	ng	98
34) Hexachlorobutadiene	11.107	225	70360	8.834	ng	98
35) Caprolactam	11.677	113	30847m	8.021	ng	
36) 4-Chloro-3-methylphenol	12.036	107	106133	8.372	ng	98
37) 2-Methylnaphthalene	12.419	142	241560	9.088	ng	98
38) 1-Methylnaphthalene	12.636	142	233824	8.993	ng	97
40) 1,2,4,5-Tetrachloroben...	12.789	216	131369	9.224	ng	98
41) Hexachlorocyclopentadiene	12.771	237	102396	12.417	ng	98
43) 2,4,6-Trichlorophenol	13.024	196	78705	8.004	ng	98

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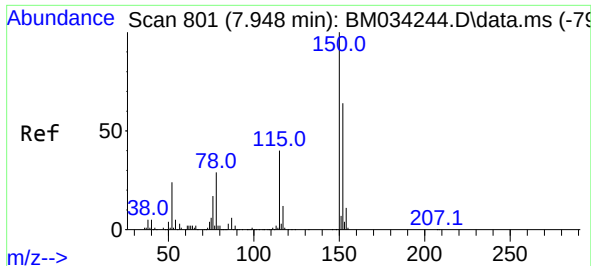
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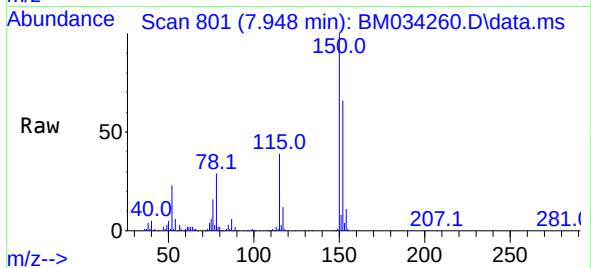
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	86667	8.212	ng	97
46) 1,1'-Biphenyl	13.424	154	328832	9.138	ng	99
47) 2-Chloronaphthalene	13.466	162	247625	8.965	ng	98
48) 2-Nitroaniline	13.660	65	65784	7.790	ng	100
49) Acenaphthylene	14.307	152	401563	9.328	ng	100
50) Dimethylphthalate	14.042	163	325773	9.069	ng	99
51) 2,6-Dinitrotoluene	14.154	165	66061	8.967	ng	98
52) Acenaphthene	14.648	154	264407	9.118	ng	99
53) 3-Nitroaniline	14.483	138	57467	7.775	ng	95
54) 2,4-Dinitrophenol	14.683	184	36896	8.938	ng	97
55) Dibenzofuran	14.983	168	384785	8.904	ng	99
56) 4-Nitrophenol	14.777	139	77795	12.982	ng	98
57) 2,4-Dinitrotoluene	14.936	165	85080	8.543	ng	98
58) Fluorene	15.630	166	311485	8.879	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.207	232	79844	8.389	ng	99
60) Diethylphthalate	15.401	149	336485	9.131	ng	99
61) 4-Chlorophenyl-phenyle...	15.624	204	158561	8.852	ng	99
62) 4-Nitroaniline	15.636	138	50365m	7.083	ng	
63) Azobenzene	15.918	77	311700	8.771	ng	99
65) 4,6-Dinitro-2-methylph...	15.701	198	57767	9.145	ng	99
66) n-Nitrosodiphenylamine	15.836	169	272446	8.828	ng	98
67) 4-Bromophenyl-phenylether	16.518	248	97360	8.718	ng	98
68) Hexachlorobenzene	16.636	284	112047	8.996	ng	100
69) Atrazine	16.783	200	98421	9.675	ng	99
70) Pentachlorophenol	16.977	266	80755	10.138	ng	99
71) Phenanthrene	17.365	178	487240	8.956	ng	98
72) Anthracene	17.459	178	476725	9.003	ng	100
73) Carbazole	17.724	167	394212	7.983	ng	99
74) Di-n-butylphthalate	18.295	149	535358	8.720	ng	99
75) Fluoranthene	19.377	202	553806	9.081	ng	99
77) Benzidine	19.559	184	146031m	10.624	ng	
78) Pyrene	19.742	202	584303	8.842	ng	99
80) Butylbenzylphthalate	20.630	149	227090	8.125	ng	96
81) Benzo(a)anthracene	21.477	228	523184	8.837	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	173952	8.797	ng	98
83) Chrysene	21.530	228	514442	8.510	ng	100
84) Bis(2-ethylhexyl)phtha...	21.412	149	348703	8.449	ng	100
85) Di-n-octyl phthalate	22.336	149	542149	8.276	ng	100
87) Indeno(1,2,3-cd)pyrene	26.424	276	427699	7.763	ng	98
88) Benzo(b)fluoranthene	23.171	252	458505	8.952	ng	99
89) Benzo(k)fluoranthene	23.218	252	516560	9.521	ng	99
90) Benzo(a)pyrene	23.800	252	432583	9.963	ng	99
91) Dibenzo(a,h)anthracene	26.441	278	363950	8.147	ng	100
92) Benzo(g,h,i)perylene	27.200	276	386616	8.361	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

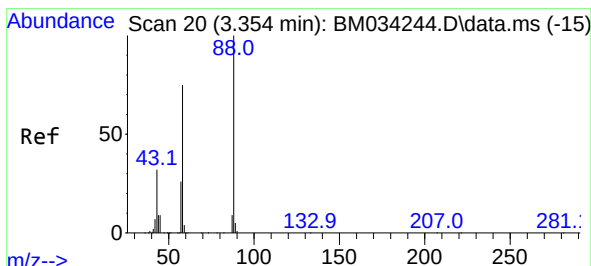
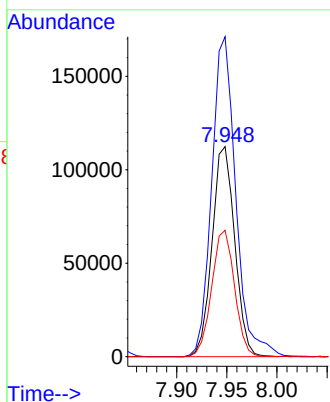
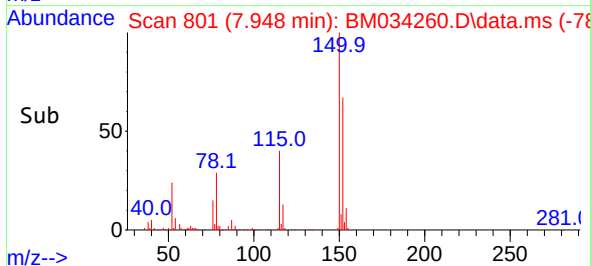
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



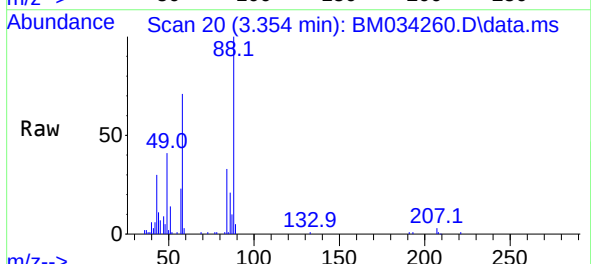
Tgt Ion:152 Resp: 176969
Ion Ratio Lower Upper
152 100
150 152.3 125.4 188.2
115 60.1 50.1 75.1

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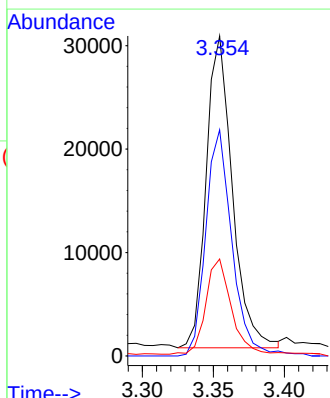
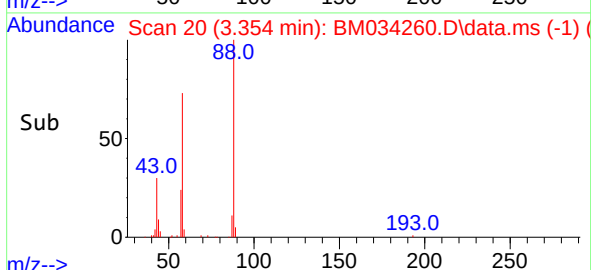
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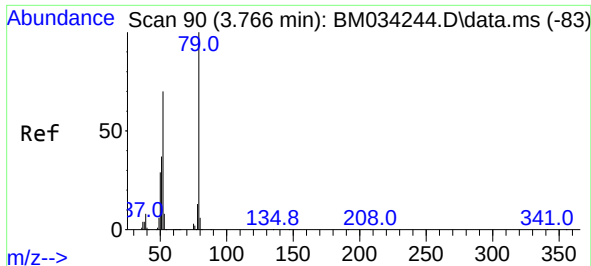


#2
1,4-Dioxane
Concen: 8.665 ng
RT: 3.354 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



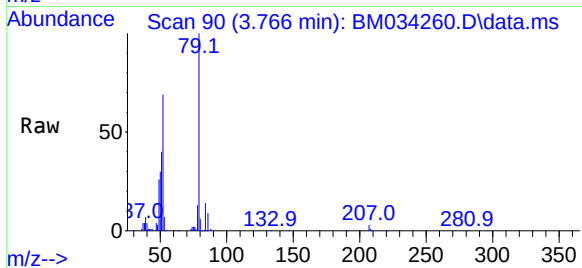
Tgt Ion: 88 Resp: 38673
Ion Ratio Lower Upper
88 100
58 72.9 60.4 90.6
43 32.7 25.4 38.0





#3
Pyridine
Concen: 7.478 ng
RT: 3.766 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

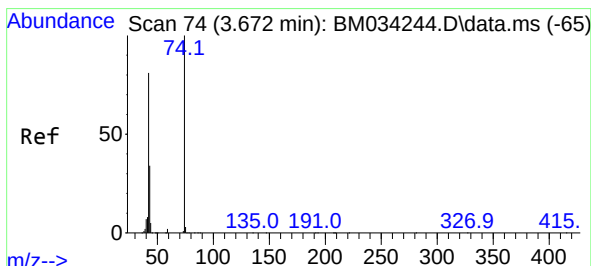
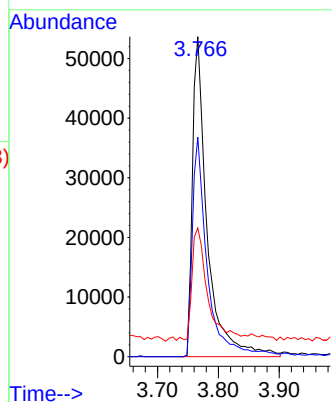
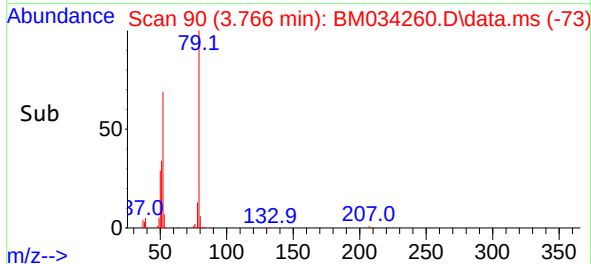
Instrument : BNA_M
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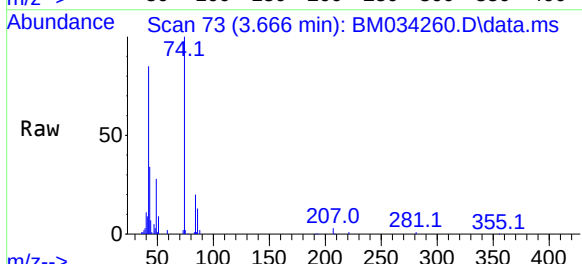
Tgt Ion: 79 Resp: 90318
Ion Ratio Lower Upper
79 100
52 68.5 56.1 84.1
51 40.3 30.4 45.6

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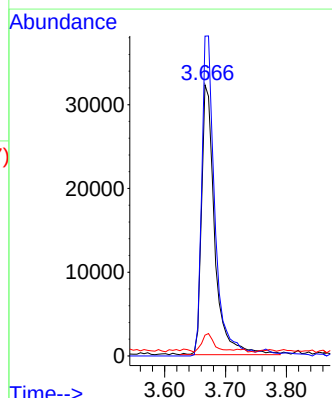
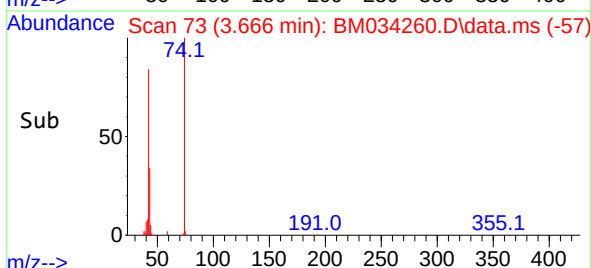
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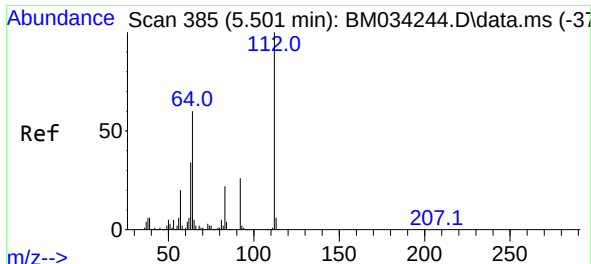


#4
n-Nitrosodimethylamine
Concen: 8.494 ng
RT: 3.666 min Scan# 73
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



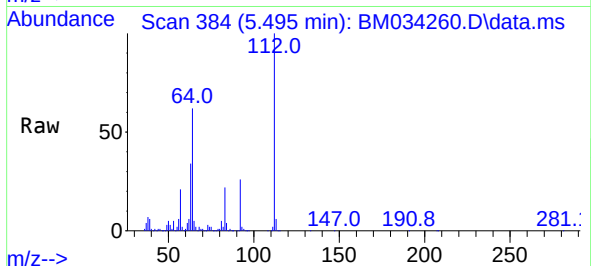
Tgt Ion: 42 Resp: 48708
Ion Ratio Lower Upper
42 100
74 118.0 99.3 148.9
44 7.7 5.0 7.6





#5
2-Fluorophenol
Concen: 94.463 ng
RT: 5.495 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

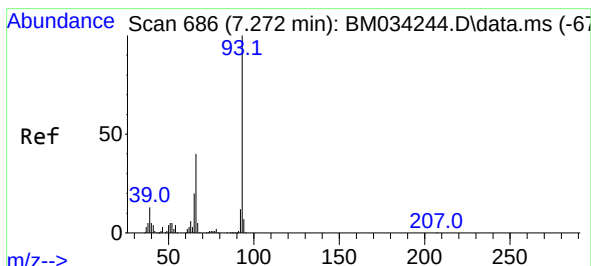
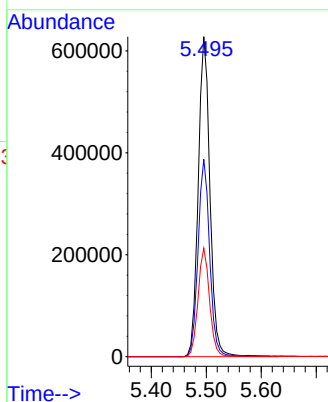
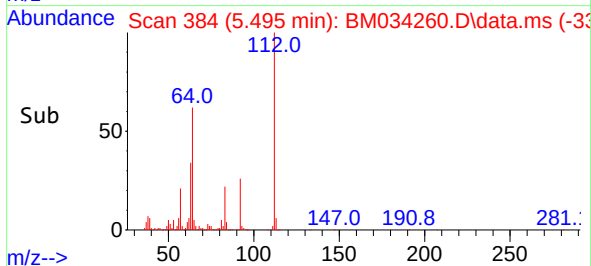
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Tgt Ion: 112 Resp: 931844
Ion Ratio Lower Upper
112 100
64 61.7 47.9 71.9
63 33.9 27.1 40.7

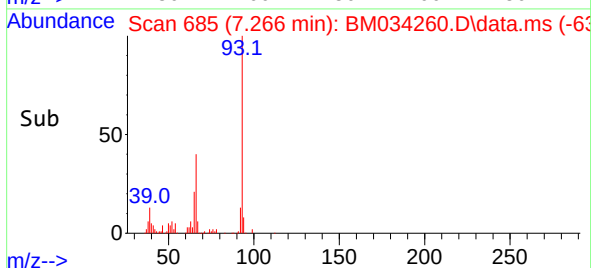
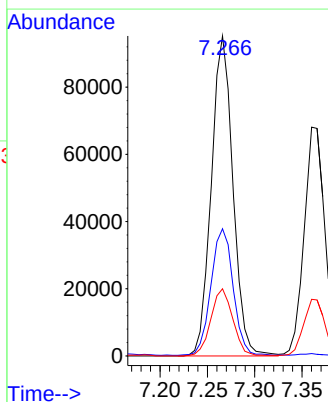
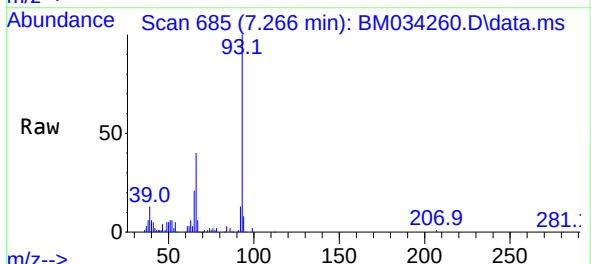
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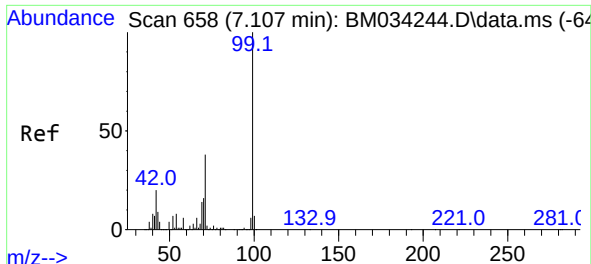
Reviewed By :Christian Giraldo 03/17/2022
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#6
Aniline
Concen: 9.360 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

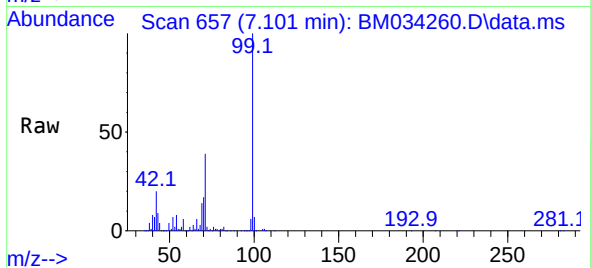
Tgt Ion: 93 Resp: 151081
Ion Ratio Lower Upper
93 100
66 39.8 31.9 47.9
65 21.0 16.2 24.4





#7
Phenol-d6
Concen: 91.894 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

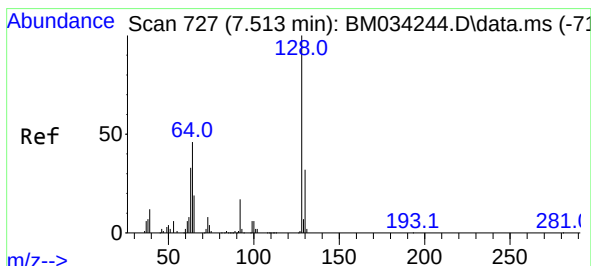
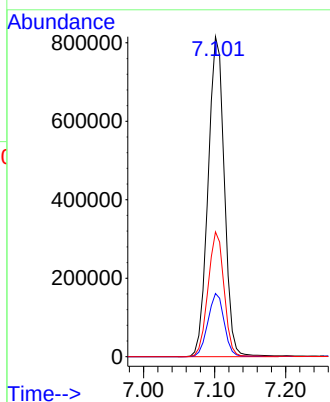
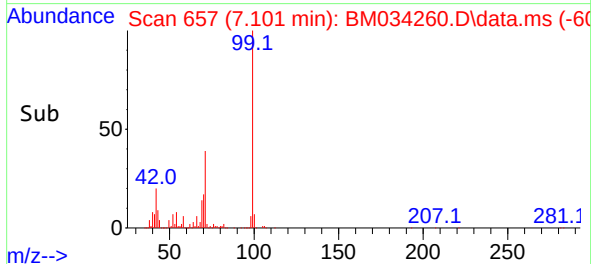
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Tgt Ion: 99 Resp: 129790
Ion Ratio Lower Upper
99 100
42 19.8 15.6 23.4
71 39.0 30.6 46.0

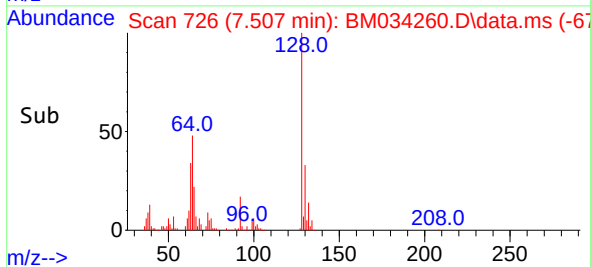
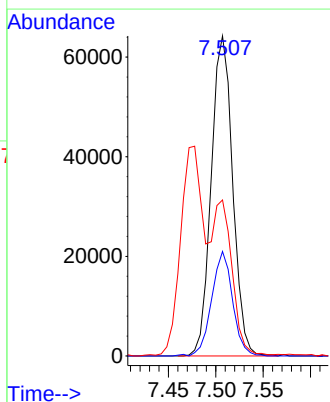
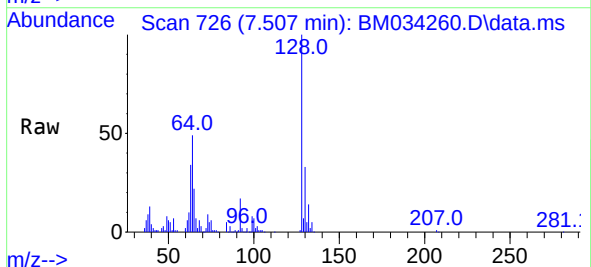
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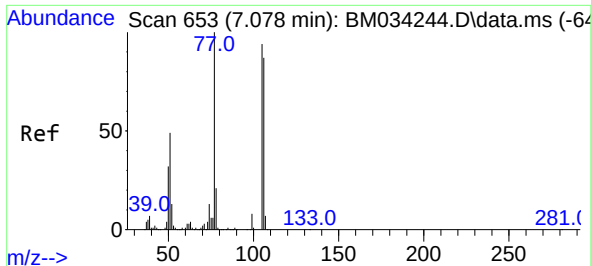
Reviewed By :Christian Giraldo 03/17/2022
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#8
2-Chlorophenol
Concen: 8.776 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

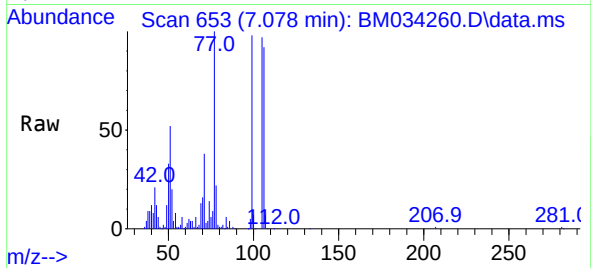
Tgt Ion:128 Resp: 101263
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 48.8 28.1 68.1





#9
Benzaldehyde
Concen: 12.335 ng m
RT: 7.078 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

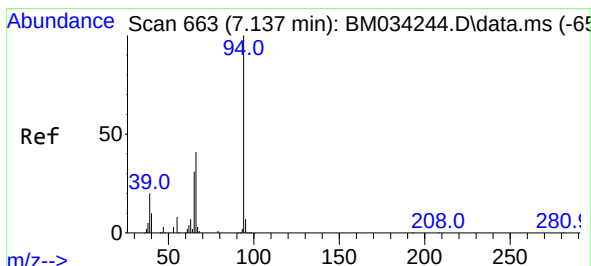
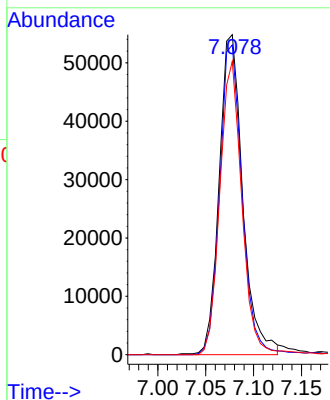
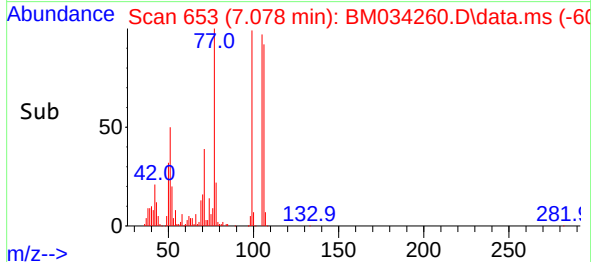
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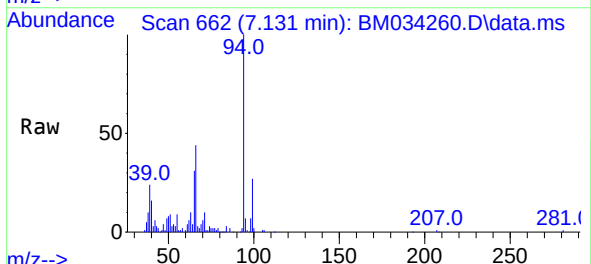
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Ion Ratio Lower Upper
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105 96.8 73.9 113.9
106 91.7 67.2 107.2

Manual Integrations
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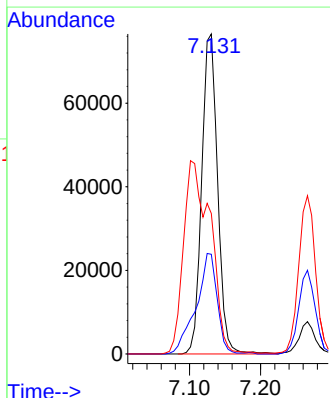
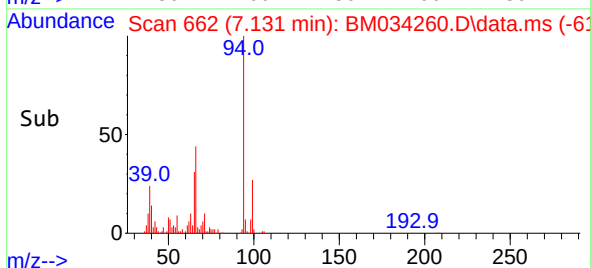
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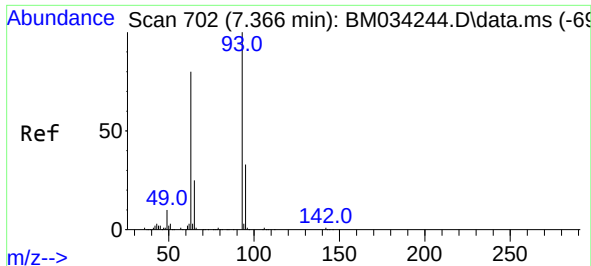


#10
Phenol
Concen: 8.499 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



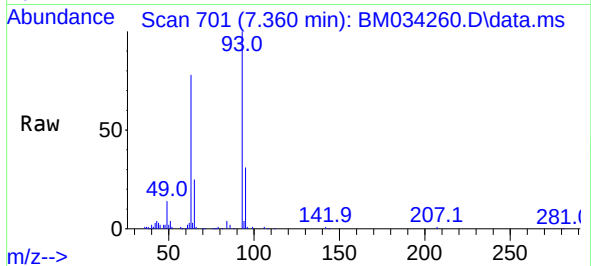
Tgt Ion: 94 Resp: 119383
Ion Ratio Lower Upper
94 100
65 31.2 10.9 50.9
66 43.9 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 9.036 ng
RT: 7.360 min Scan# 701
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

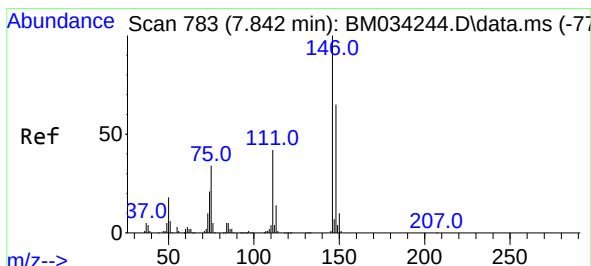
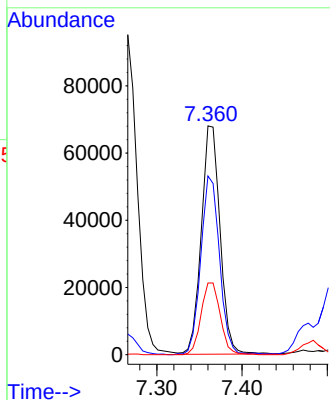
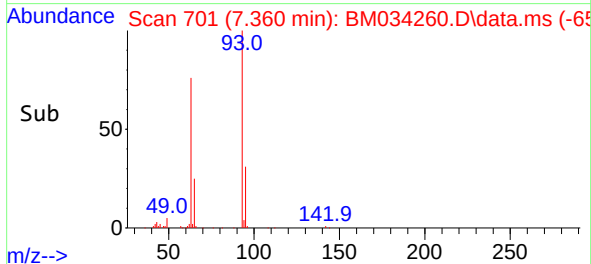
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 93 Resp: 10418
Ion Ratio Lower Upper
93 100
63 78.1 59.6 99.6
95 31.4 12.6 52.6

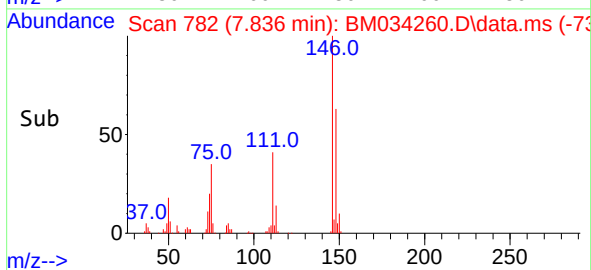
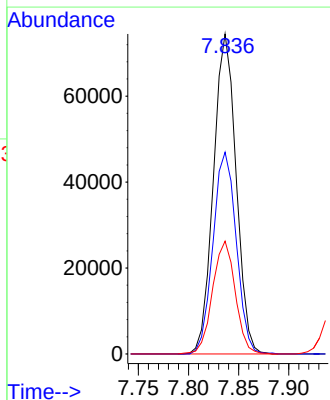
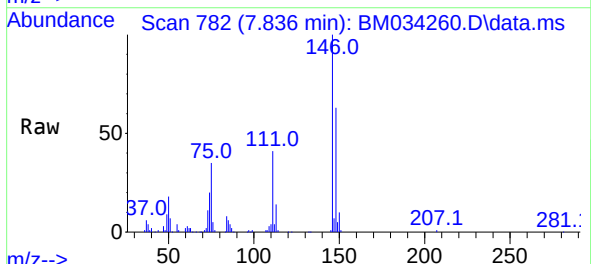
Manual Integrations
APPROVED

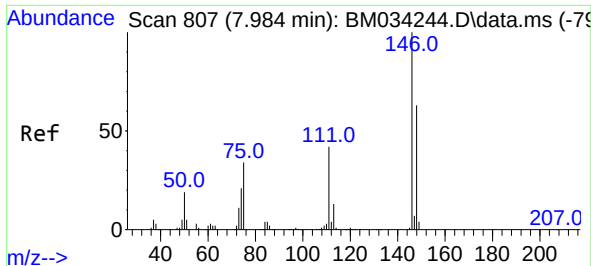
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#12
1,3-Dichlorobenzene
Concen: 8.939 ng
RT: 7.836 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

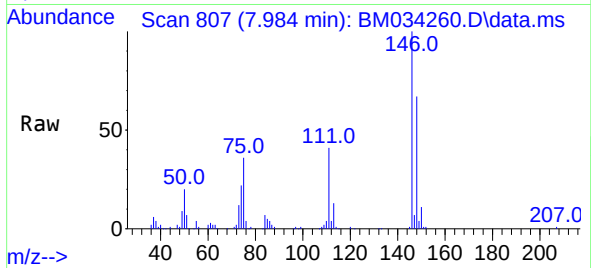
Tgt Ion:146 Resp: 116997
Ion Ratio Lower Upper
146 100
148 63.1 51.8 77.8
75 35.3 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 8.854 ng
RT: 7.984 min Scan# 807
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

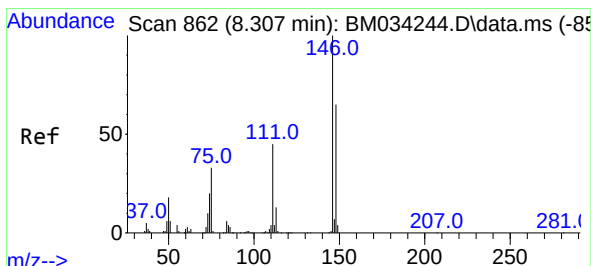
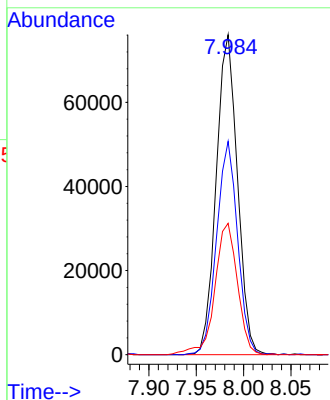
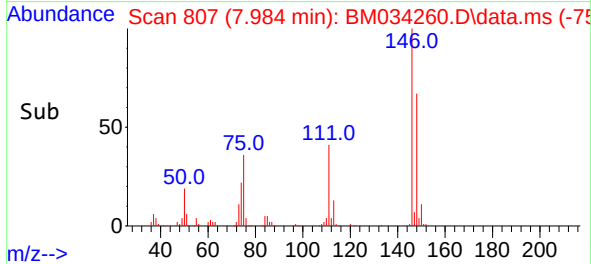
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



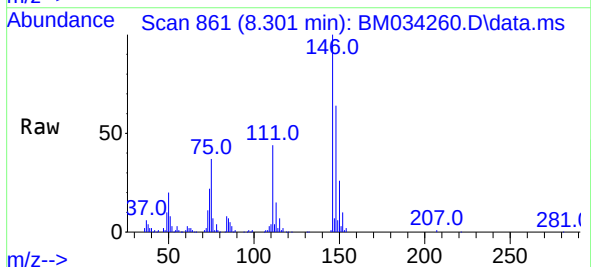
Tgt Ion:146 Resp: 118627
Ion Ratio Lower Upper
146 100
148 66.6 50.6 76.0
111 41.1 34.0 51.0

Manual Integrations
APPROVED

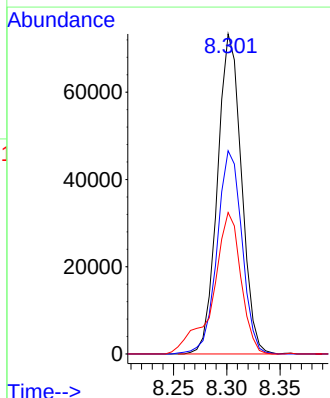
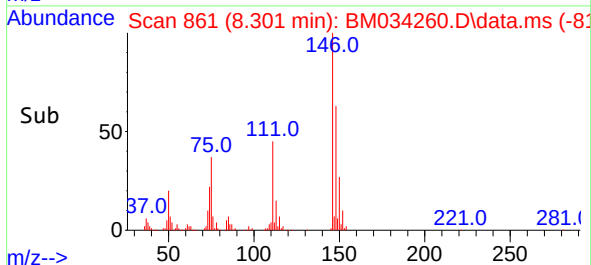
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

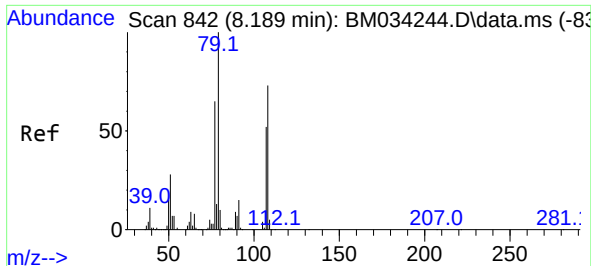


#14
1,2-Dichlorobenzene
Concen: 8.794 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



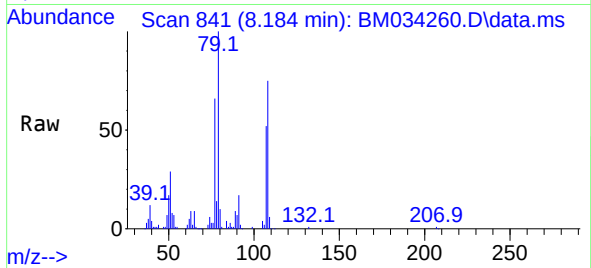
Tgt Ion:146 Resp: 114859
Ion Ratio Lower Upper
146 100
148 63.5 52.2 78.4
111 44.2 35.8 53.8





#15
Benzyl Alcohol
Concen: 7.865 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

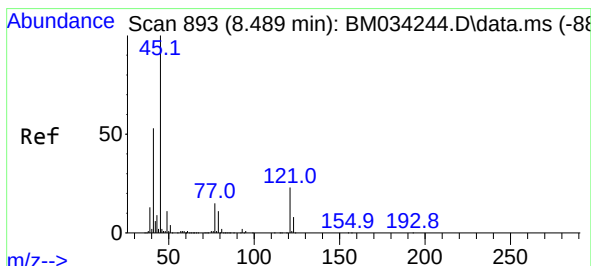
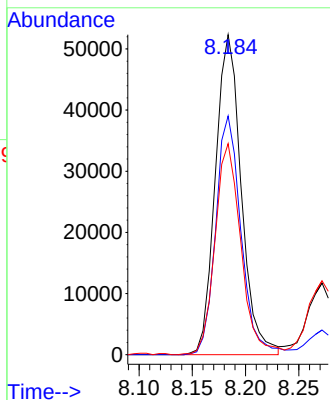
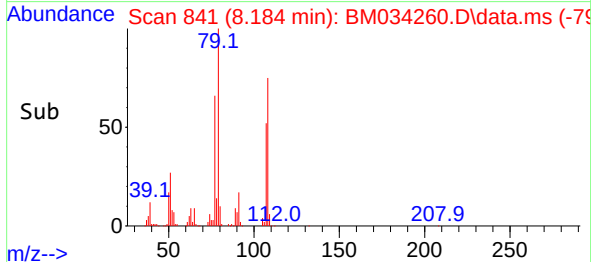
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 88399
Ion Ratio Lower Upper
79 100
108 74.6 58.1 87.1
77 66.0 51.8 77.6

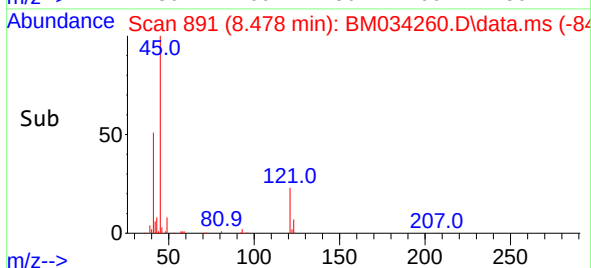
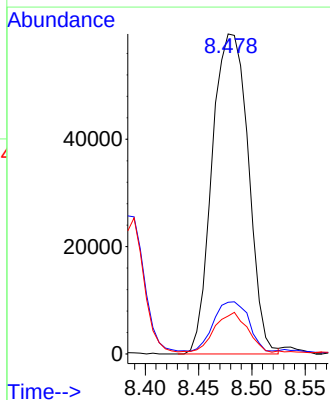
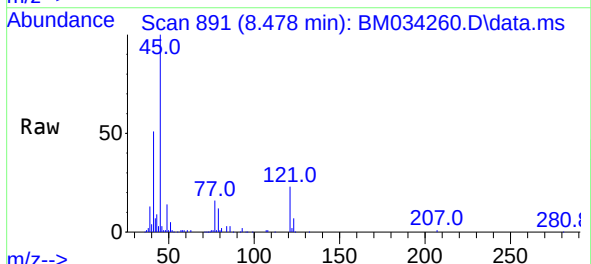
Manual Integrations
APPROVED

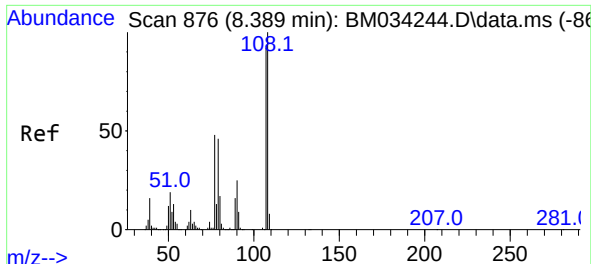
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.894 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

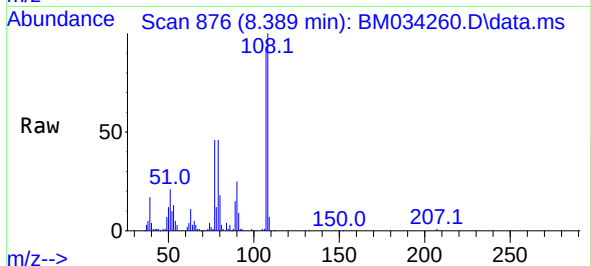
Tgt Ion: 45 Resp: 140733
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.7
79 11.8 0.0 31.7





#17
2-Methylphenol
Concen: 8.113 ng
RT: 8.389 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

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

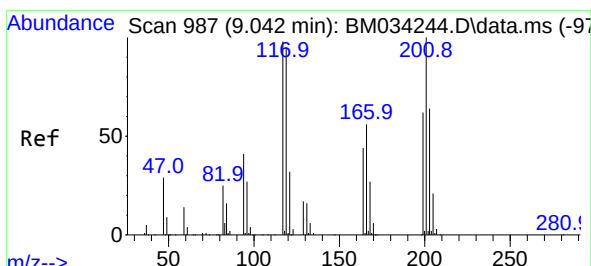
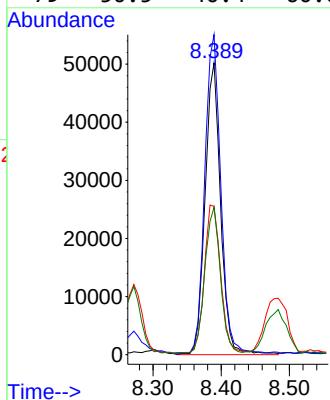
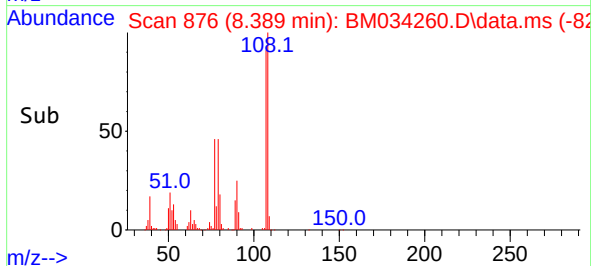


Tgt Ion:107 Resp: 7981

Ion	Ratio	Lower	Upper
107	100		
108	109.7	87.3	130.9
77	50.9	41.6	62.4
79	50.5	40.4	60.6

Manual Integrations
APPROVED

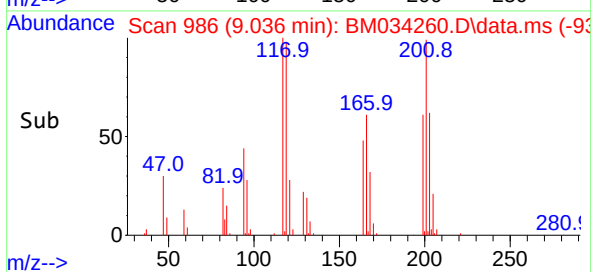
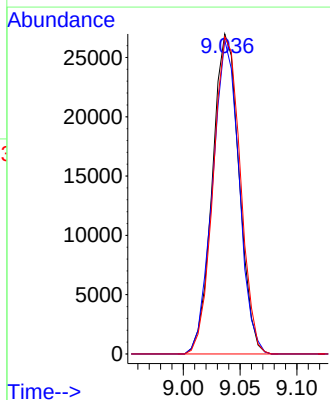
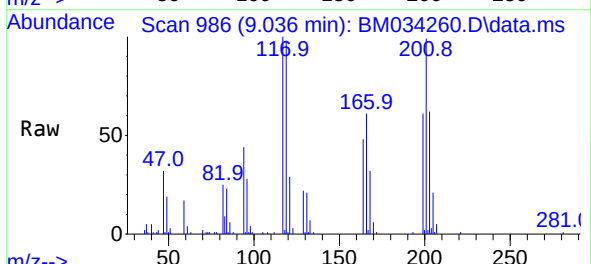
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

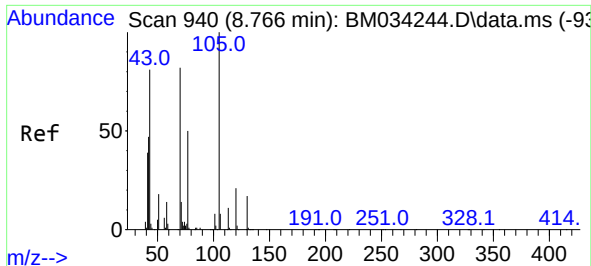


#18
Hexachloroethane
Concen: 8.919 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

Tgt Ion:117 Resp: 44077

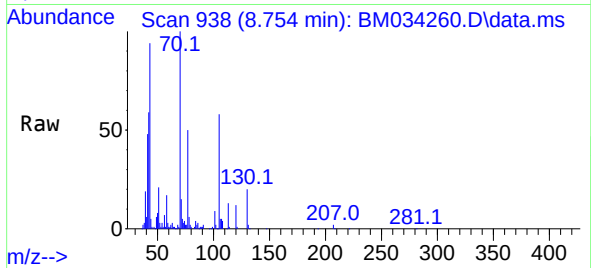
Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
201	99.1	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 8.693 ng
RT: 8.754 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

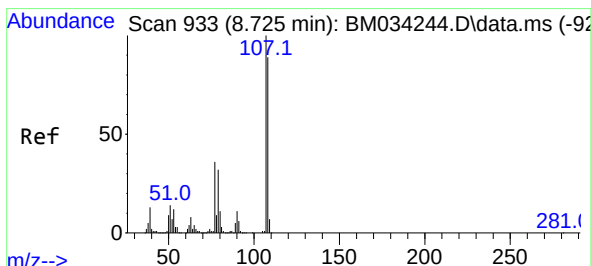
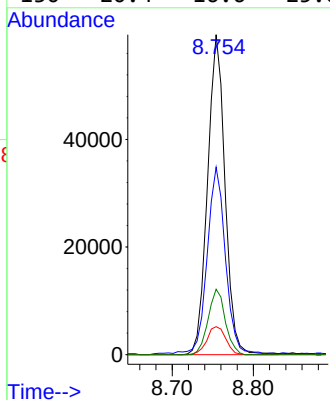
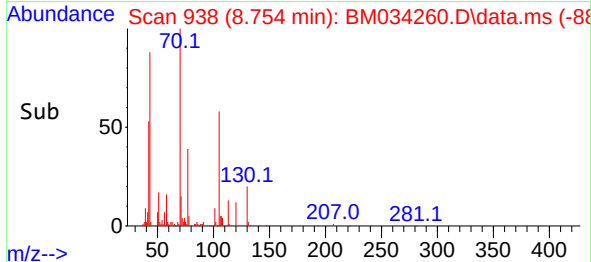
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



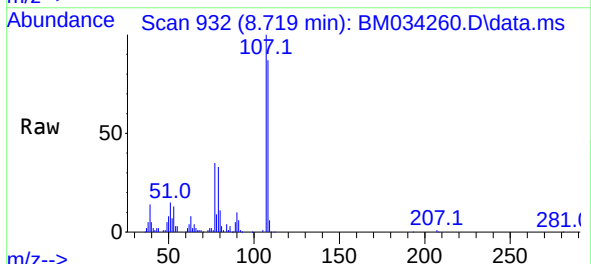
Tgt Ion: 70 Resp: 8881
Ion Ratio Lower Upper
70 100
42 58.5 46.7 70.1
101 8.7 7.8 11.6
130 20.4 16.6 25.0

Manual Integrations
APPROVED

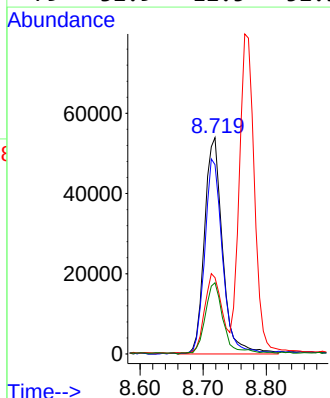
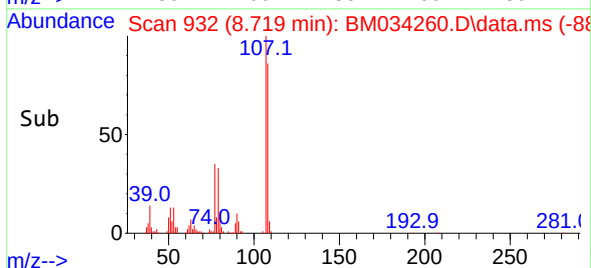
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

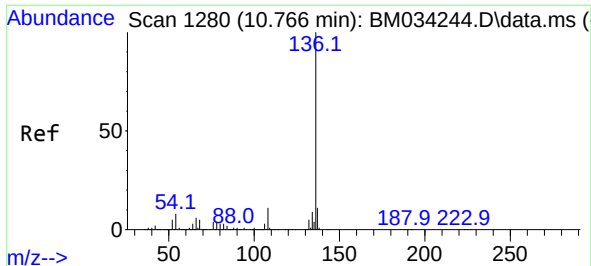


#20
3+4-Methylphenols
Concen: 7.897 ng
RT: 8.719 min Scan# 932
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



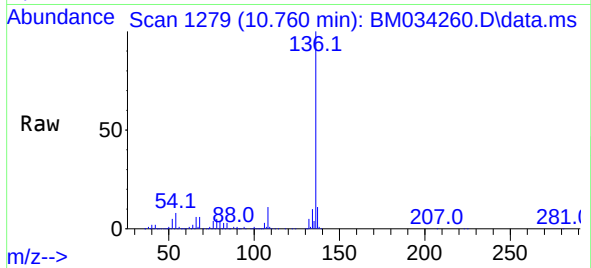
Tgt Ion:107 Resp: 107451
Ion Ratio Lower Upper
107 100
108 87.5 69.2 109.2
77 35.3 16.5 56.5
79 32.9 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

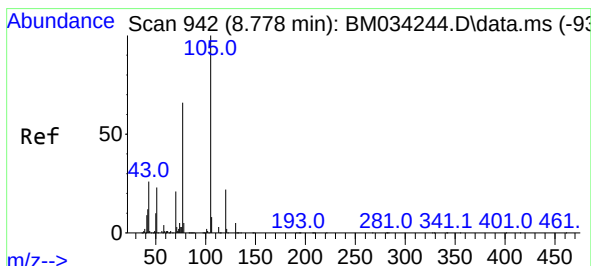
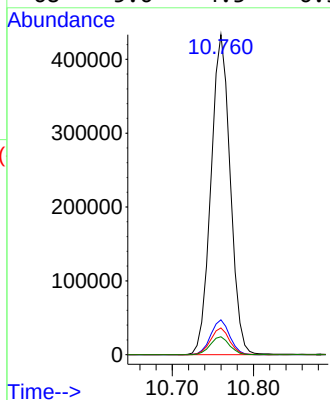
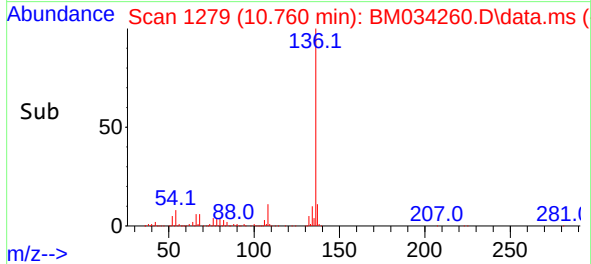
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 715028
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 6.2 9.4
68 5.6 4.3 6.5

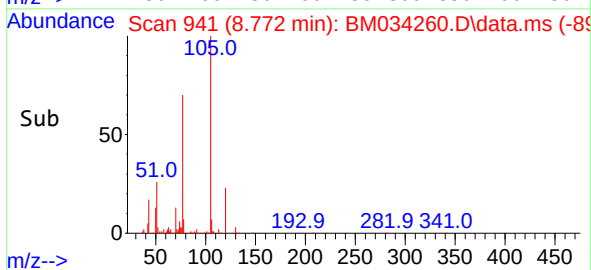
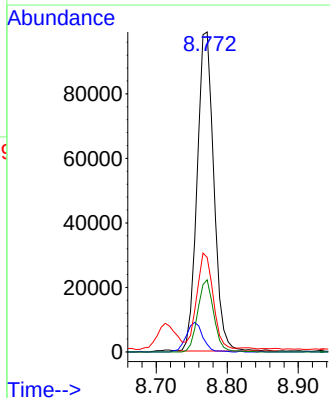
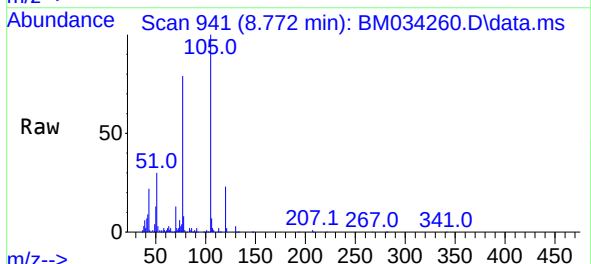
Manual Integrations
APPROVED

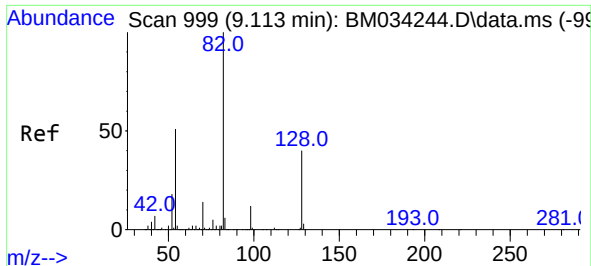
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 8.824 ng
RT: 8.772 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

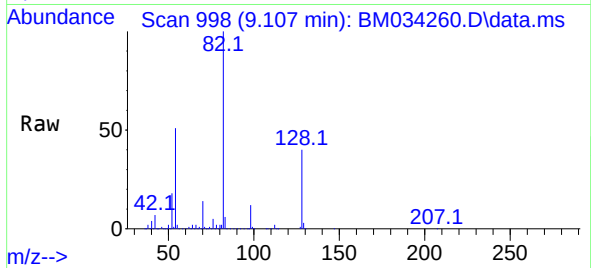
Tgt Ion:105 Resp: 161909
Ion Ratio Lower Upper
105 100
71 2.4 3.0 4.4#
51 29.5 22.6 33.8
120 22.6 17.5 26.3





#23
Nitrobenzene-d5
Concen: 68.299 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

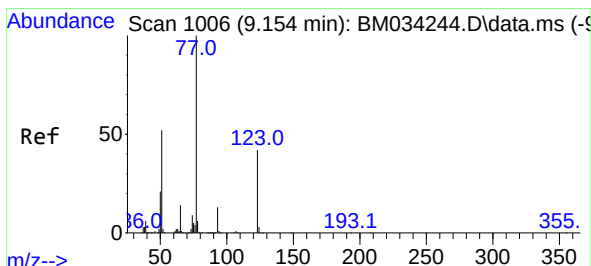
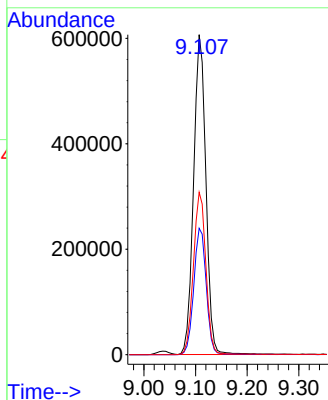
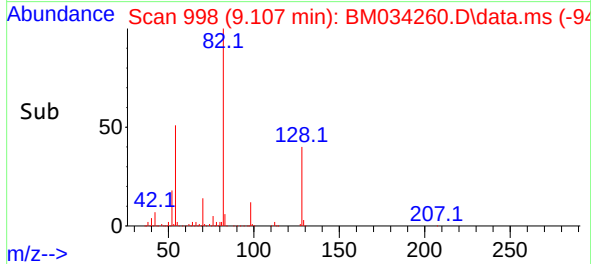
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 82 Resp: 100305
Ion Ratio Lower Upper
82 100
128 39.5 31.9 47.9
54 50.8 40.6 61.0

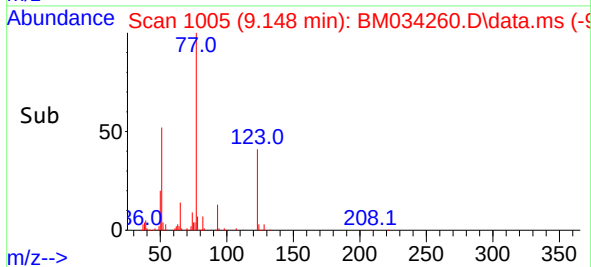
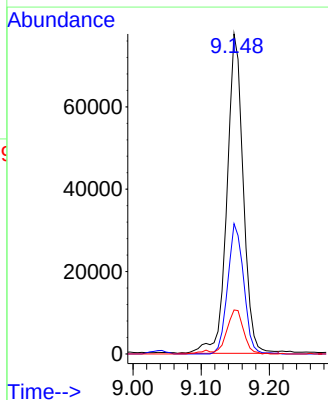
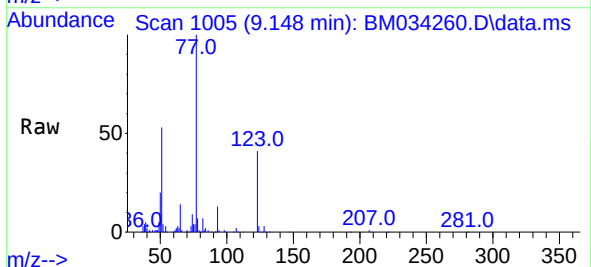
Manual Integrations
APPROVED

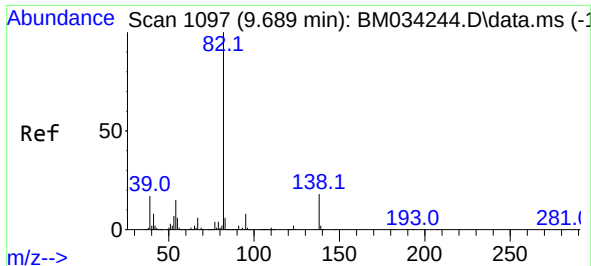
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#24
Nitrobenzene
Concen: 9.398 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

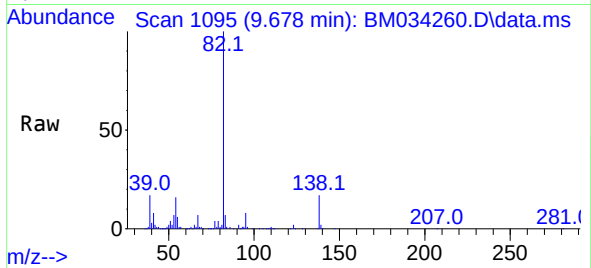
Tgt Ion: 77 Resp: 128857
Ion Ratio Lower Upper
77 100
123 40.7 33.3 49.9
65 13.7 11.0 16.4





#25
Isophorone
Concen: 9.562 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

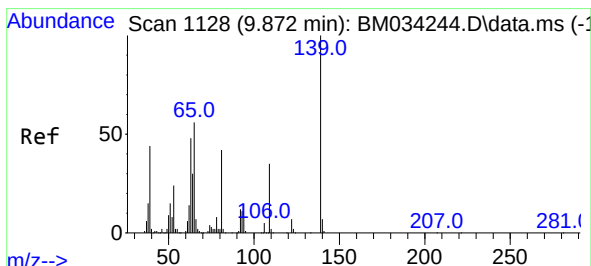
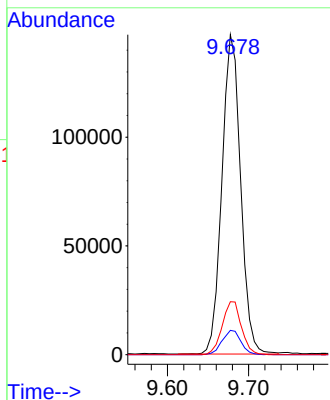
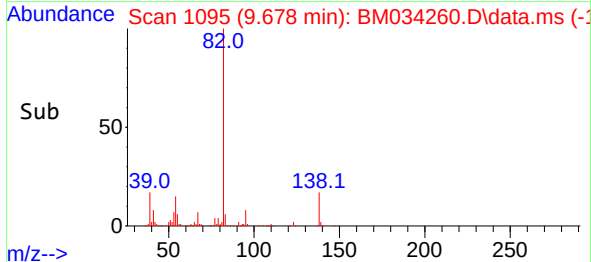
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



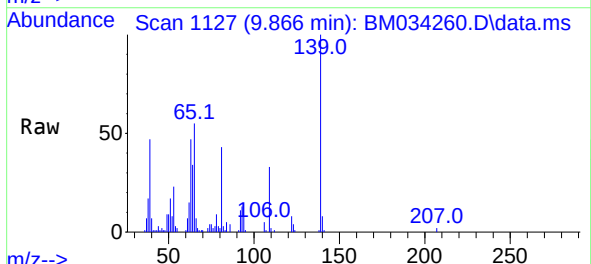
Tgt Ion: 82 Resp: 235000
Ion Ratio Lower Upper
82 100
95 7.6 6.6 9.8
138 16.6 14.4 21.6

Manual Integrations
APPROVED

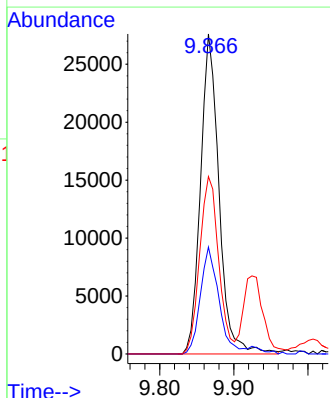
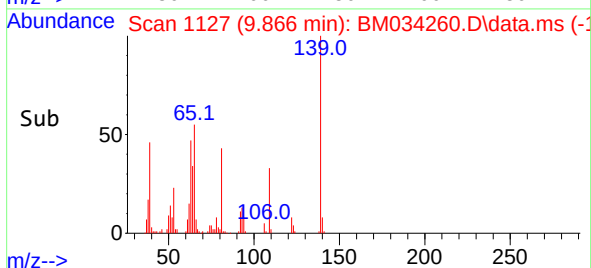
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

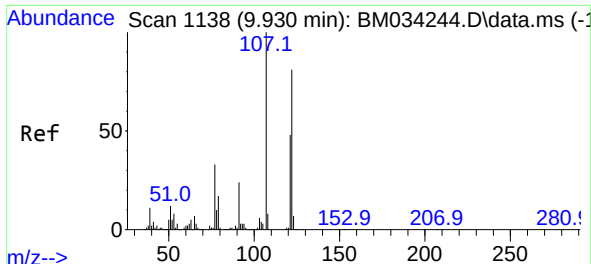


#26
2-Nitrophenol
Concen: 7.892 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



Tgt Ion:139 Resp: 47989
Ion Ratio Lower Upper
139 100
109 33.4 28.1 42.1
65 55.5 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 9.443 ng

RT: 9.925 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BM034260.D

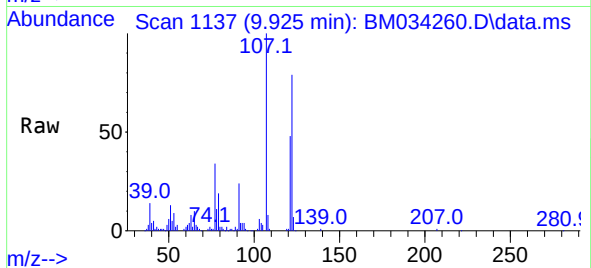
Acq: 16 Mar 2022 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022



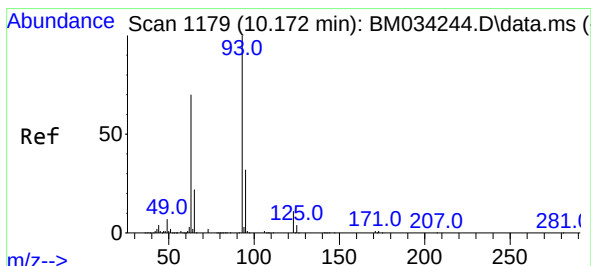
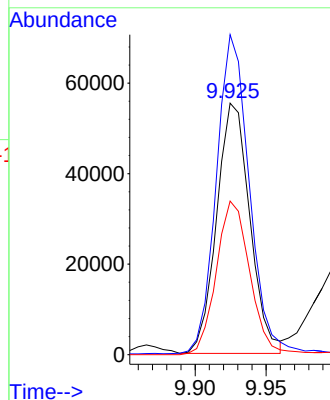
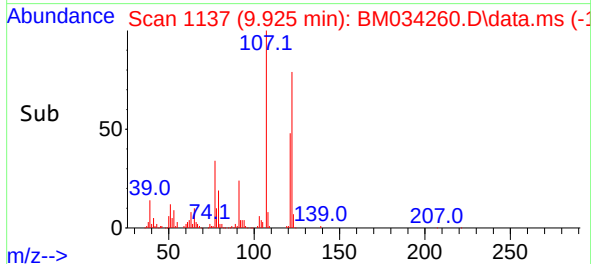
Tgt Ion:	122	Resp:	8990
Ion	Ratio	Lower	Upper
122	100		
107	127.2	99.0	148.6
121	61.1	47.7	71.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 8.920 ng

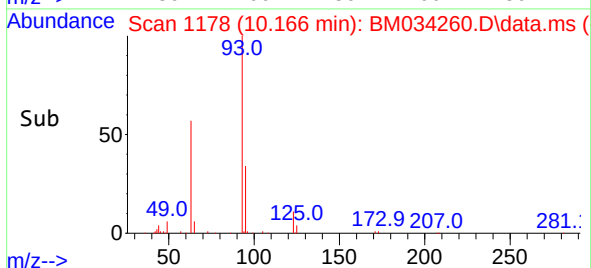
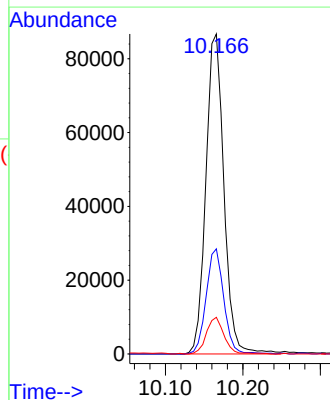
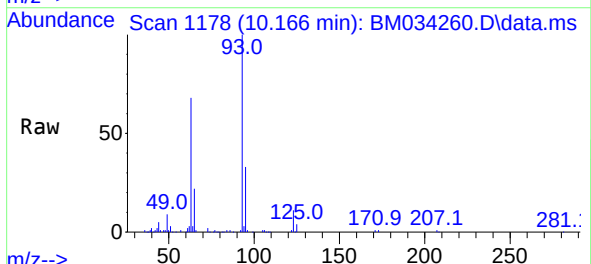
RT: 10.166 min Scan# 1178

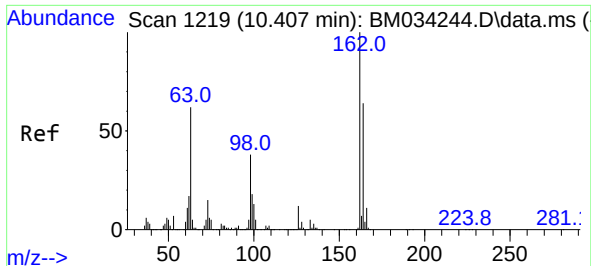
Delta R.T. -0.006 min

Lab File: BM034260.D

Acq: 16 Mar 2022 16:39

Tgt Ion:	93	Resp:	140354
Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.5	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 8.228 ng

RT: 10.401 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BM034260.D

Acq: 16 Mar 2022 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

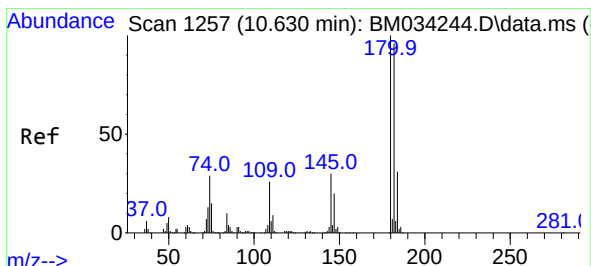
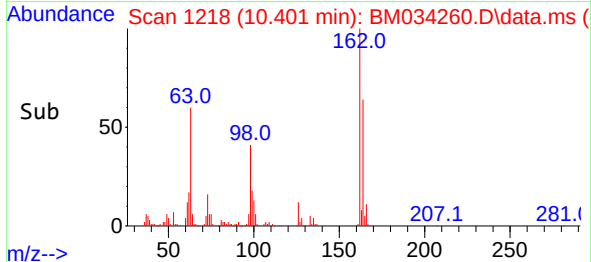
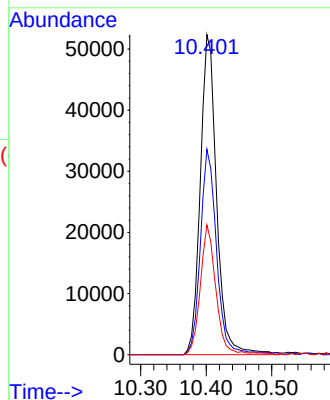
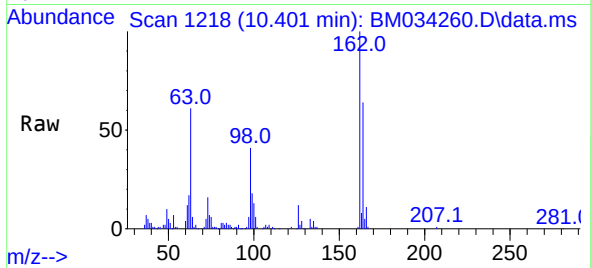
Tgt Ion:162	Resp:	9102
Ion Ratio	Lower	Upper
162	100	
164	64.2	43.9 83.9
98	40.5	17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.808 ng

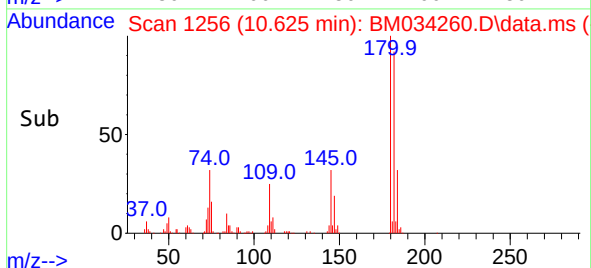
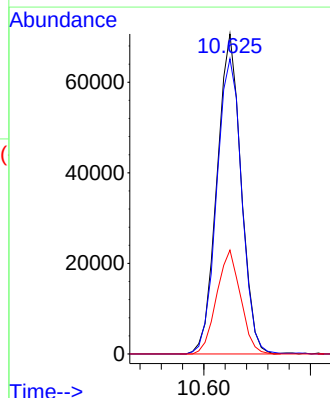
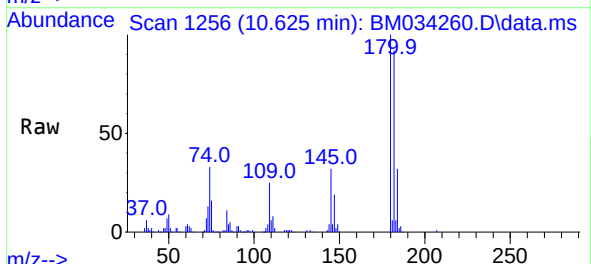
RT: 10.625 min Scan# 1256

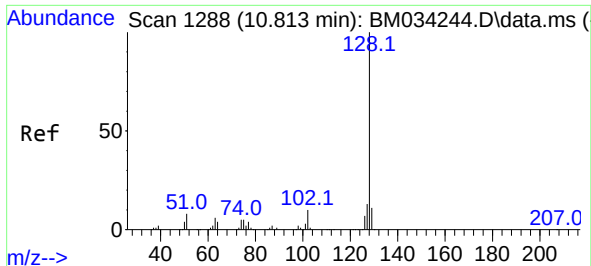
Delta R.T. -0.006 min

Lab File: BM034260.D

Acq: 16 Mar 2022 16:39

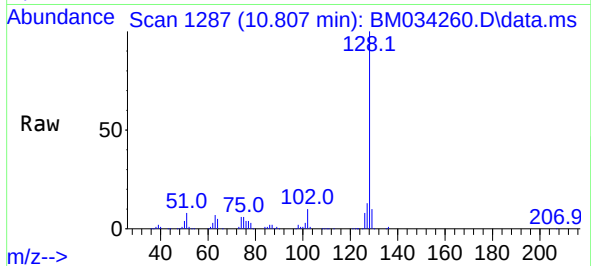
Tgt Ion:180	Resp:	110761
Ion Ratio	Lower	Upper
180	100	
182	92.3	77.0 115.4
145	32.5	23.7 35.5





#31
Naphthalene
Concen: 9.104 ng
RT: 10.807 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

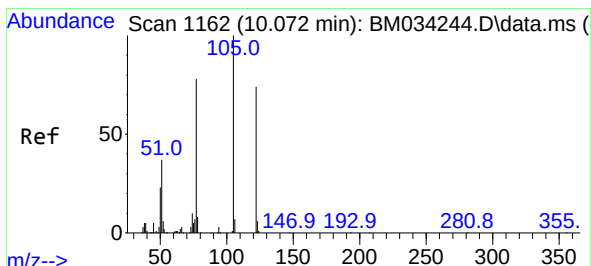
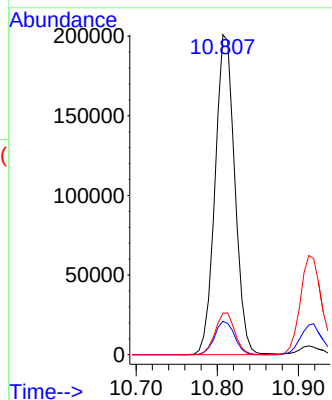
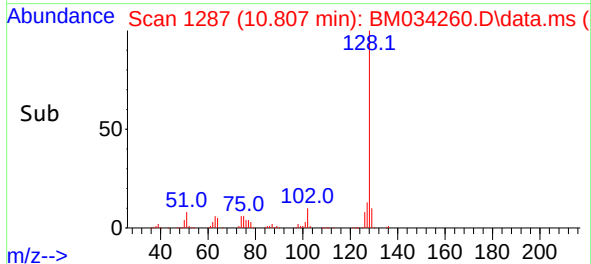
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 33915
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.0 10.2 15.4

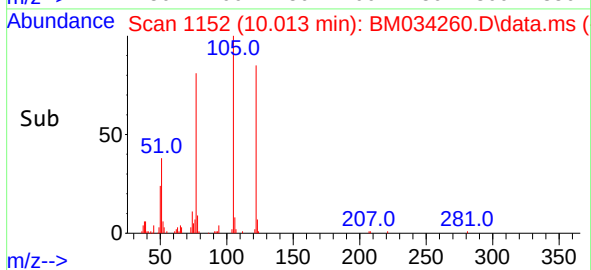
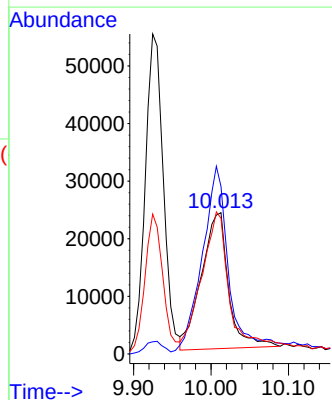
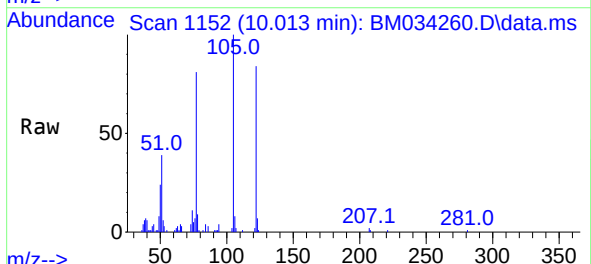
Manual Integrations
APPROVED

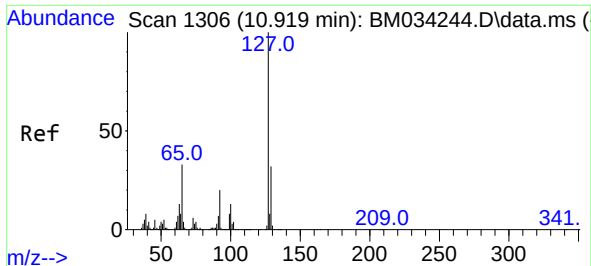
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 7.352 ng
RT: 10.013 min Scan# 1152
Delta R.T. -0.059 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

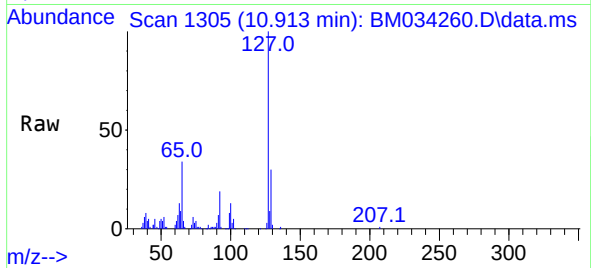
Tgt Ion:122 Resp: 57889
Ion Ratio Lower Upper
122 100
105 118.6 109.6 149.6
77 96.1 83.1 123.1





#33
4-Chloroaniline
Concen: 8.433 ng
RT: 10.913 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

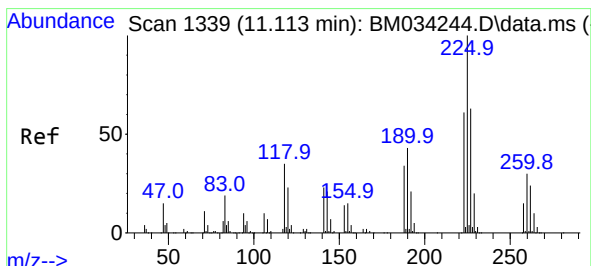
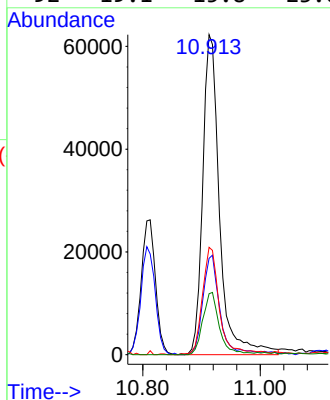
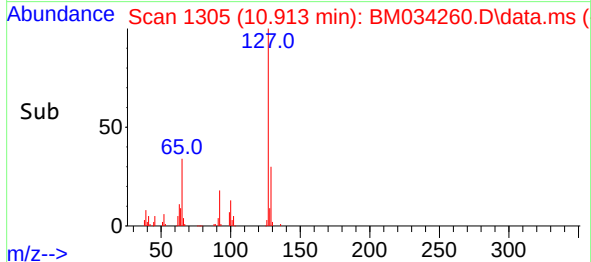
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:127 Resp: 12392
Ion Ratio Lower Upper
127 100
129 30.1 25.4 38.2
65 33.6 26.2 39.2
92 19.1 15.8 23.6

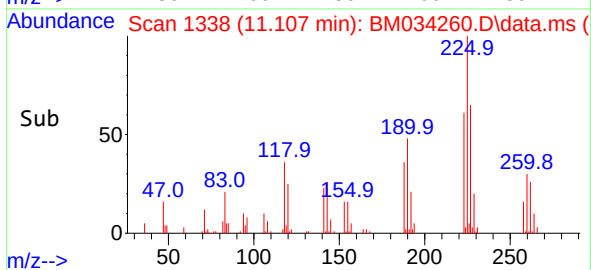
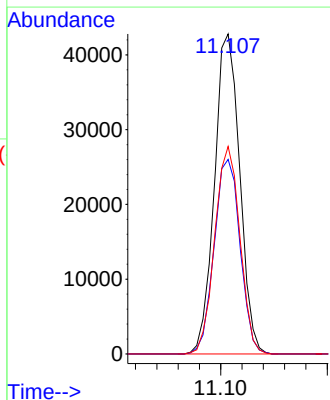
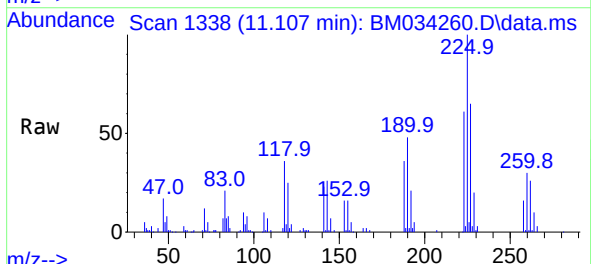
Manual Integrations
APPROVED

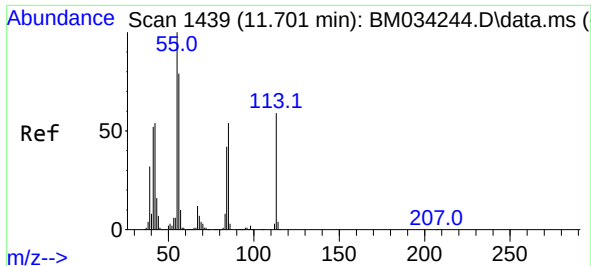
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#34
Hexachlorobutadiene
Concen: 8.834 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

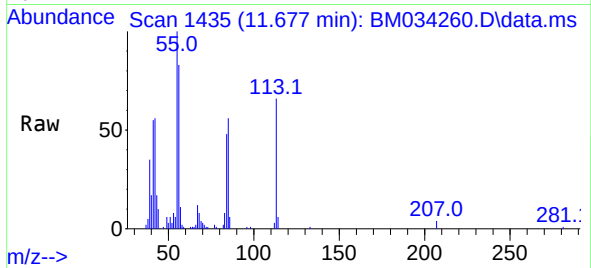
Tgt Ion:225 Resp: 70360
Ion Ratio Lower Upper
225 100
223 60.8 49.0 73.4
227 64.8 50.2 75.2





#35
Caprolactam
Concen: 8.021 ng m
RT: 11.677 min Scan# 1435
Delta R.T. -0.024 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

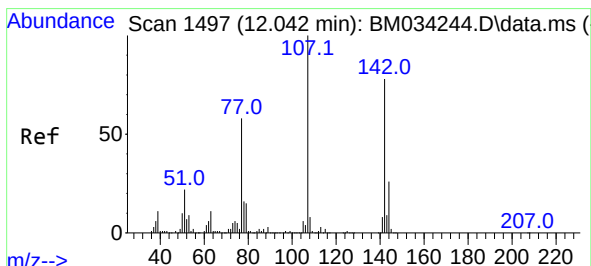
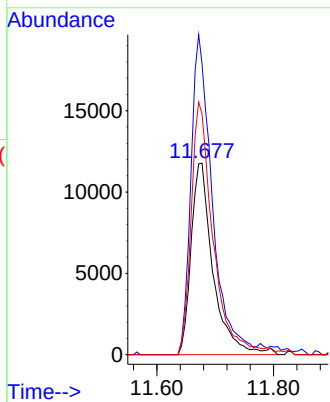
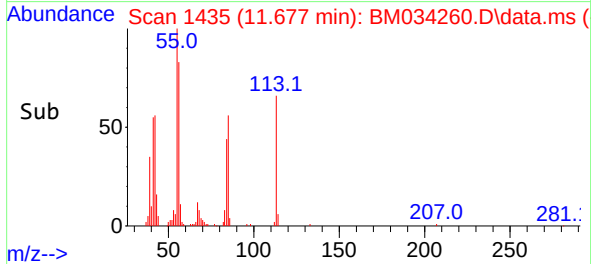
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



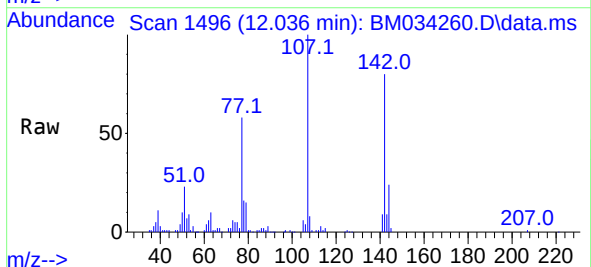
Tgt Ion:113 Resp: 3084
Ion Ratio Lower Upper
113 100
55 151.8 148.9 188.9
56 125.5 113.3 153.3

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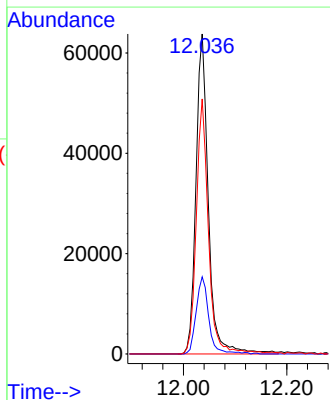
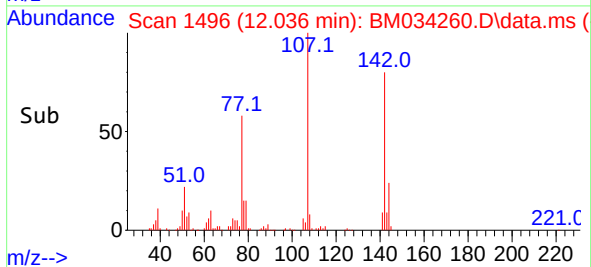
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

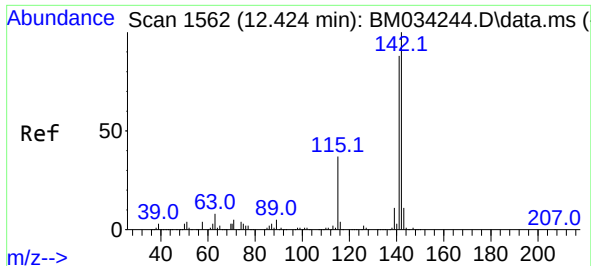


#36
4-Chloro-3-methylphenol
Concen: 8.372 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



Tgt Ion:107 Resp: 106133
Ion Ratio Lower Upper
107 100
144 24.1 20.8 31.2
142 79.7 62.7 94.1





#37

2-Methylnaphthalene

Concen: 9.088 ng

RT: 12.419 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034260.D

Acq: 16 Mar 2022 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

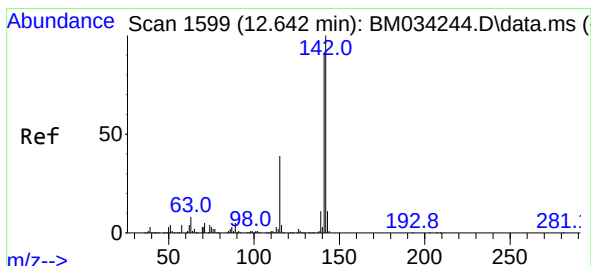
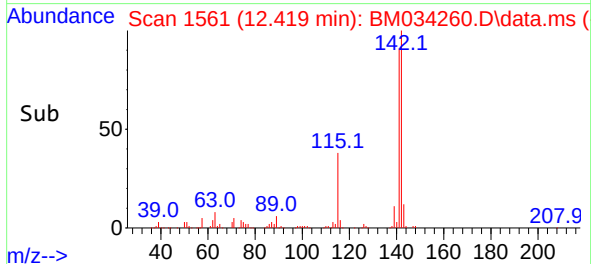
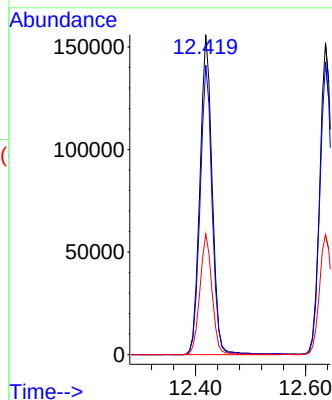
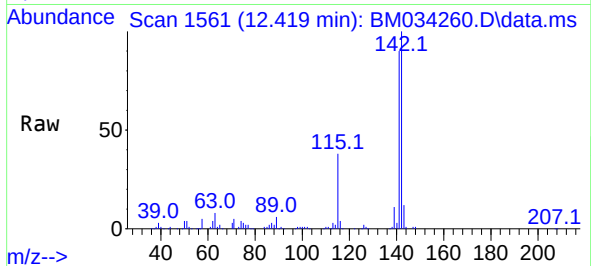
Tgt Ion:142	Resp: 24156
Ion Ratio	Lower Upper
142 100	
141 90.4	70.1 105.1
115 37.7	29.9 44.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#38

1-Methylnaphthalene

Concen: 8.993 ng

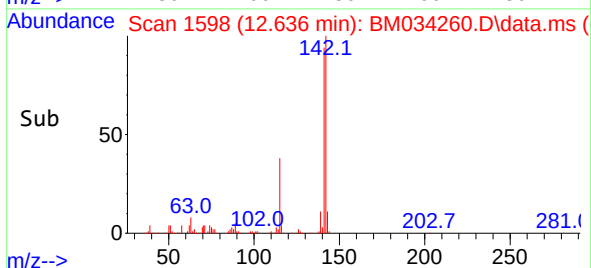
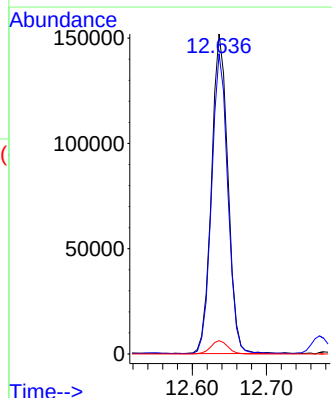
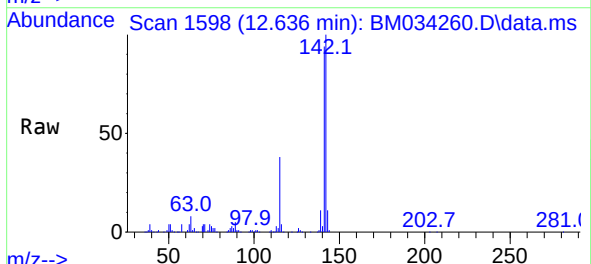
RT: 12.636 min Scan# 1598

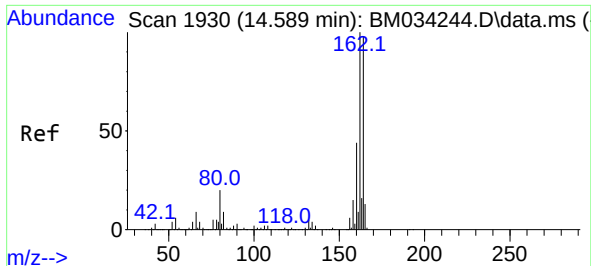
Delta R.T. -0.006 min

Lab File: BM034260.D

Acq: 16 Mar 2022 16:39

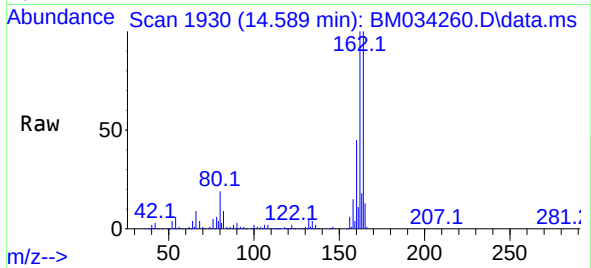
Tgt Ion:142	Resp: 233824
Ion Ratio	Lower Upper
142 100	
141 93.9	73.0 109.6
116 4.2	3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

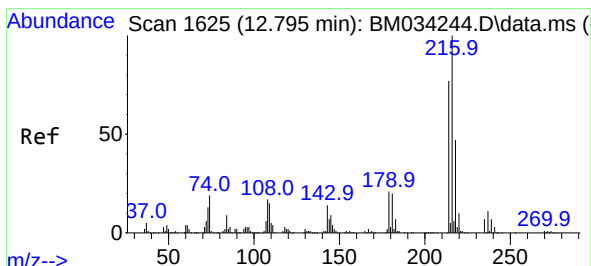
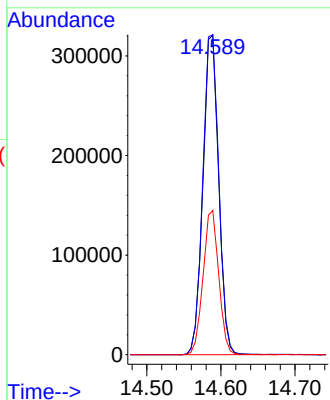
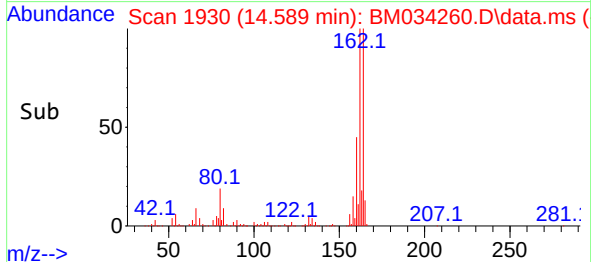
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2022



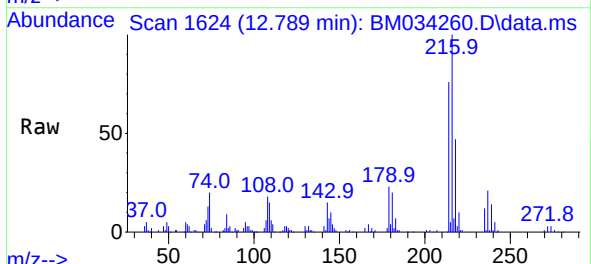
Tgt Ion:164 Resp: 47194
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.2 35.6 53.4

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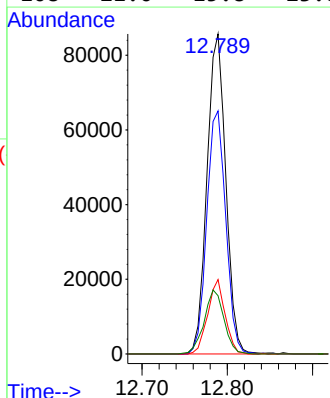
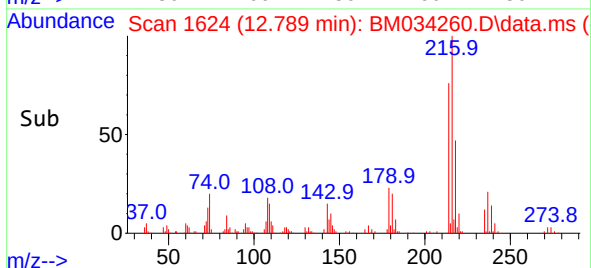
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

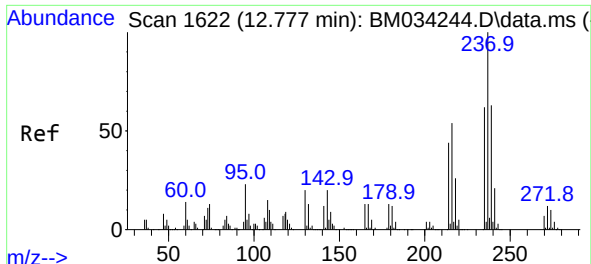


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.224 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



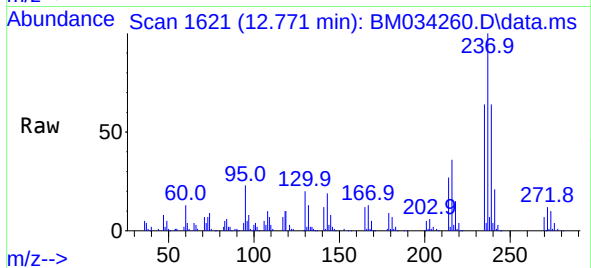
Tgt Ion:216 Resp: 131369
Ion Ratio Lower Upper
216 100
214 76.7 62.7 94.1
179 21.4 17.2 25.8
108 21.0 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 12.417 ng
RT: 12.771 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

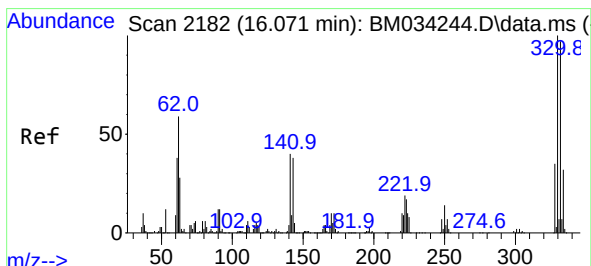
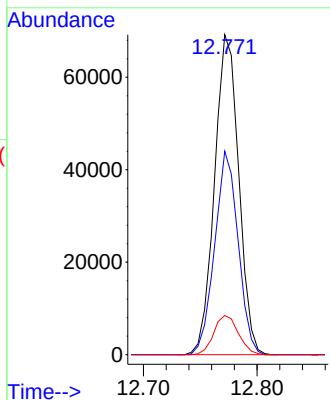
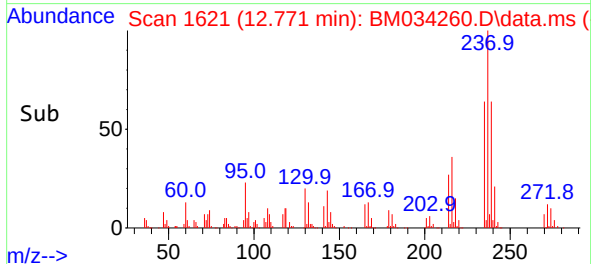
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



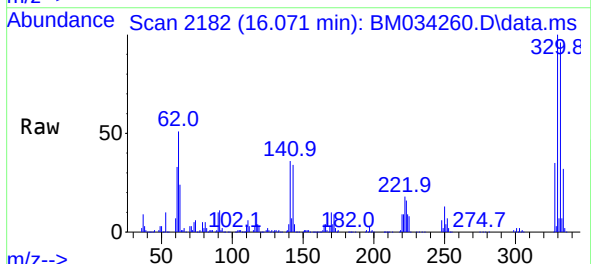
Tgt Ion:237 Resp: 102390
Ion Ratio Lower Upper
237 100
235 63.6 42.1 82.1
272 12.3 0.0 32.3

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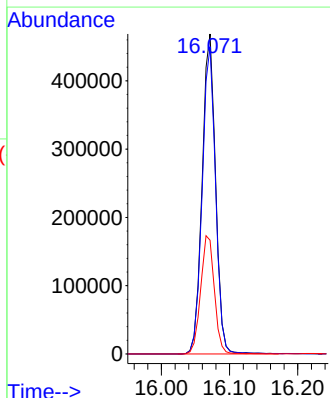
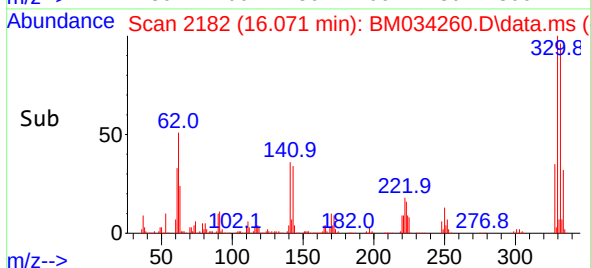
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

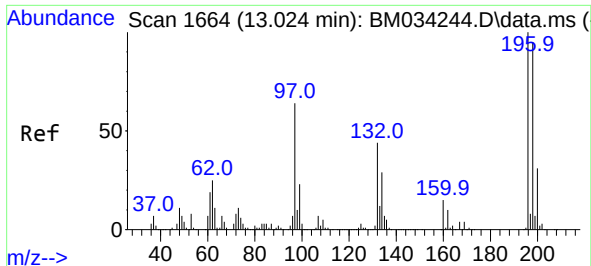


#42
2,4,6-Tribromophenol
Concen: 100.818 ng
RT: 16.071 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



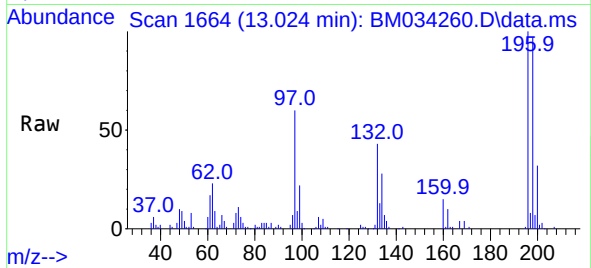
Tgt Ion:330 Resp: 641324
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.4
141 37.9 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 8.004 ng
RT: 13.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

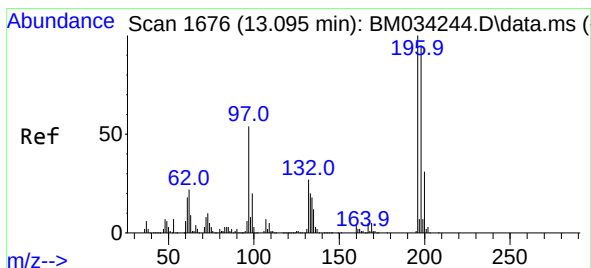
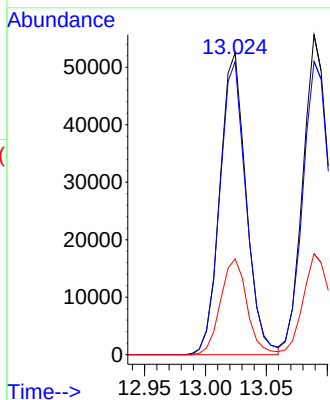
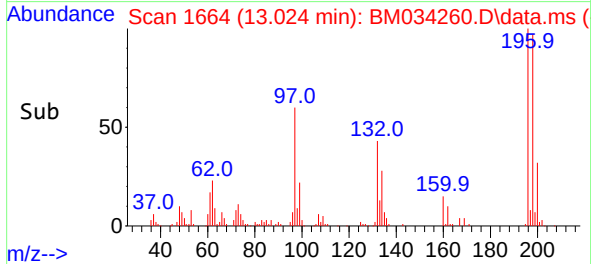
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



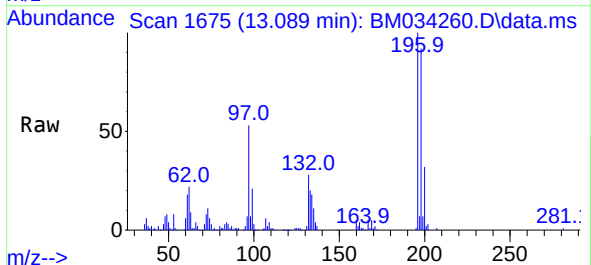
Tgt Ion:196 Resp: 7870
Ion Ratio Lower Upper
196 100
198 97.0 76.1 114.1
200 31.7 24.9 37.3

Manual Integrations
APPROVED

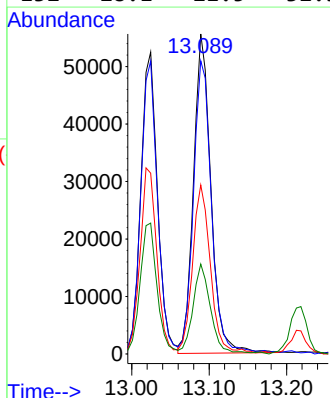
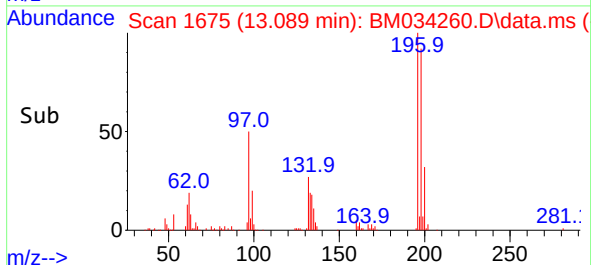
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

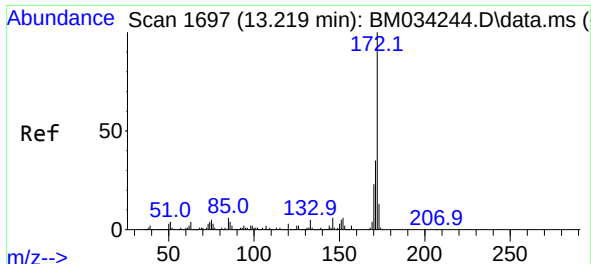


#44
2,4,5-Trichlorophenol
Concen: 8.212 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



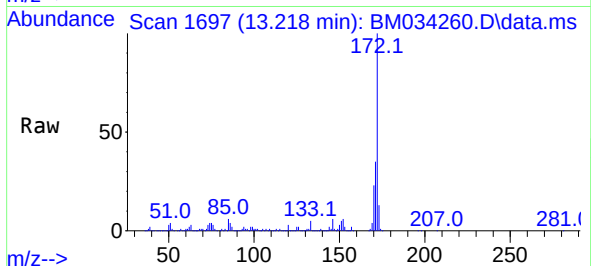
Tgt Ion:196 Resp: 86667
Ion Ratio Lower Upper
196 100
198 91.6 75.9 113.9
97 52.8 43.2 64.8
132 28.1 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 69.302 ng
RT: 13.218 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

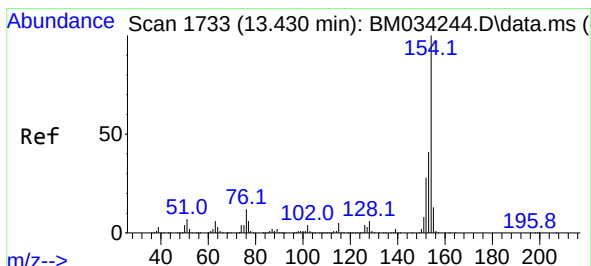
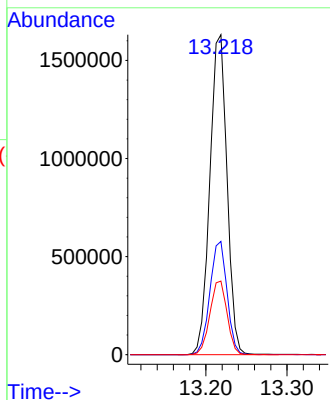
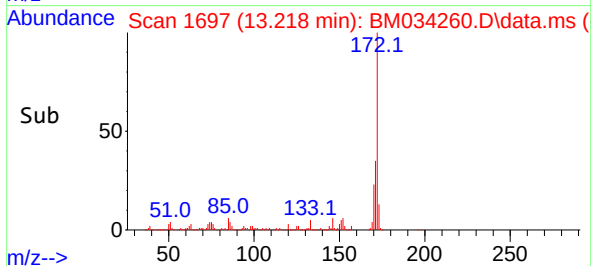
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



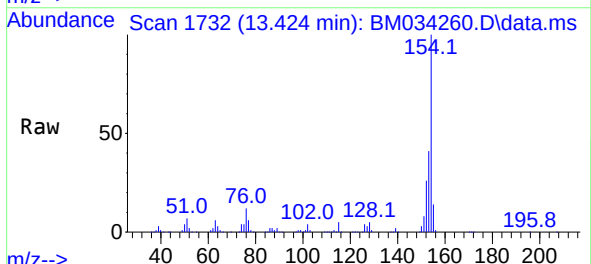
Tgt Ion:172 Resp: 2393470
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.0 18.6 28.0

Manual Integrations
APPROVED

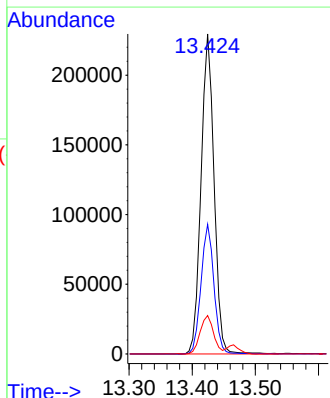
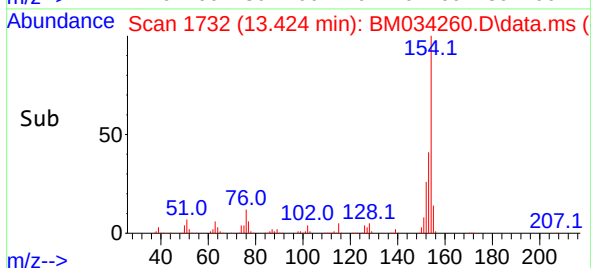
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

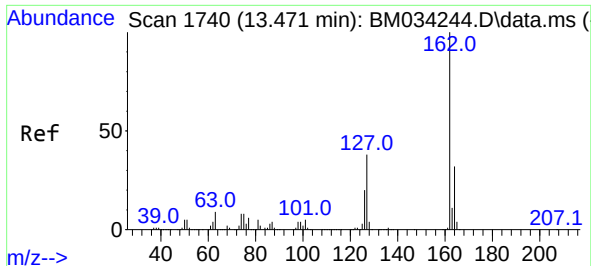


#46
1,1'-Biphenyl
Concen: 9.138 ng
RT: 13.424 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



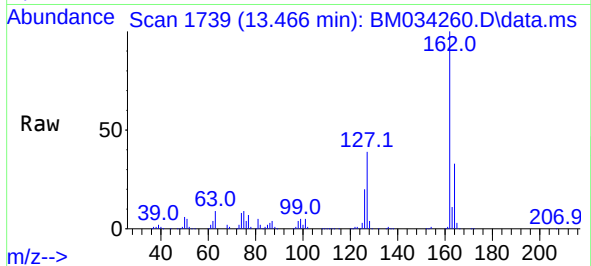
Tgt Ion:154 Resp: 328832
Ion Ratio Lower Upper
154 100
153 40.5 21.0 61.0
76 12.0 0.0 32.1





#47
2-Chloronaphthalene
Concen: 8.965 ng
RT: 13.466 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

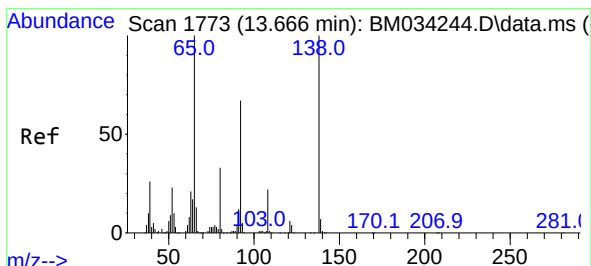
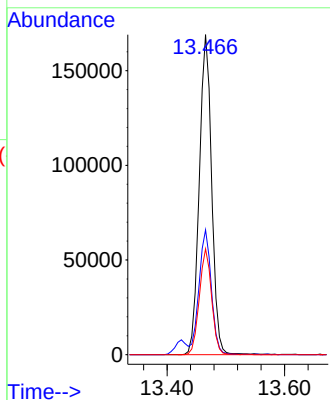
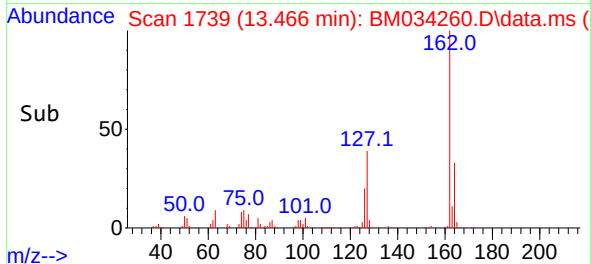
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



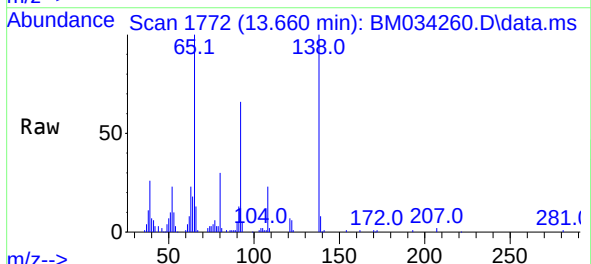
Tgt Ion:162 Resp: 24762
Ion Ratio Lower Upper
162 100
127 39.0 30.4 45.6
164 33.1 25.8 38.8

Manual Integrations
APPROVED

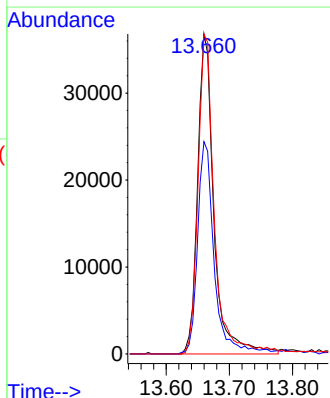
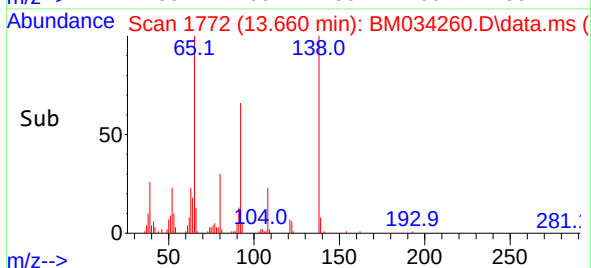
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

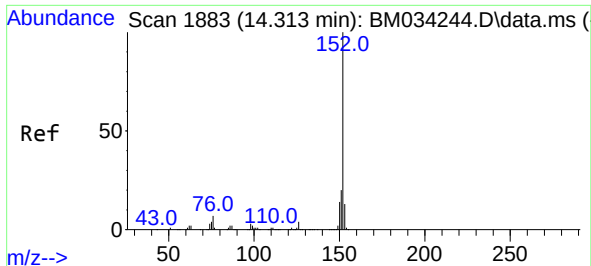


#48
2-Nitroaniline
Concen: 7.790 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



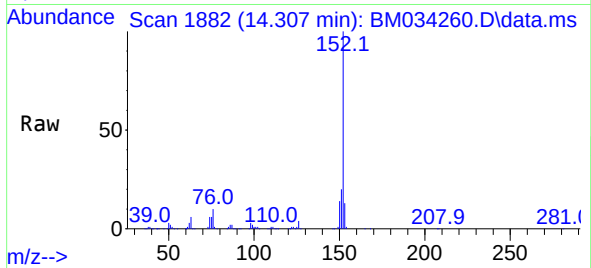
Tgt Ion: 65 Resp: 65784
Ion Ratio Lower Upper
65 100
92 66.3 53.8 80.8
138 99.9 79.9 119.9





#49
Acenaphthylene
Concen: 9.328 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

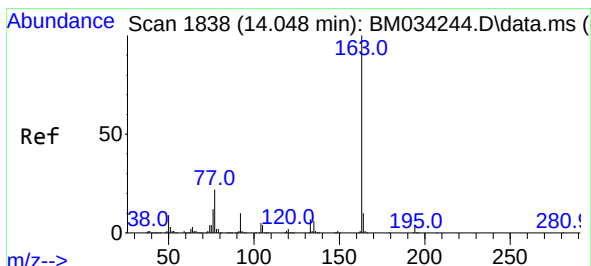
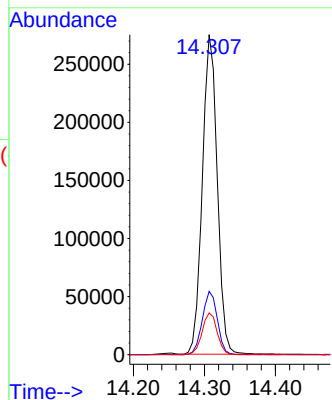
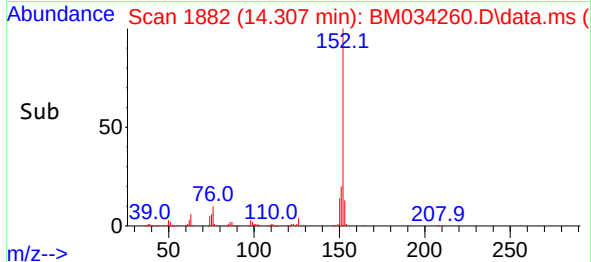
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



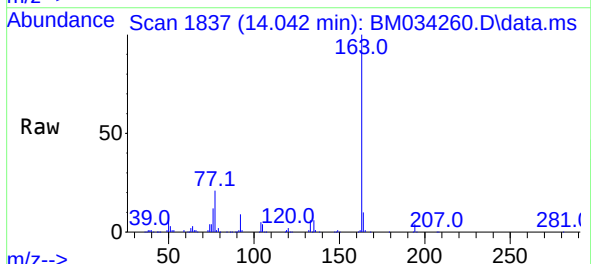
Tgt Ion:152 Resp: 40156
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.0 10.6 16.0

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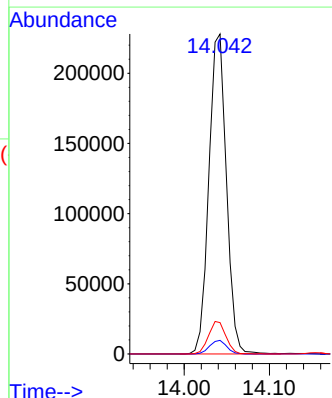
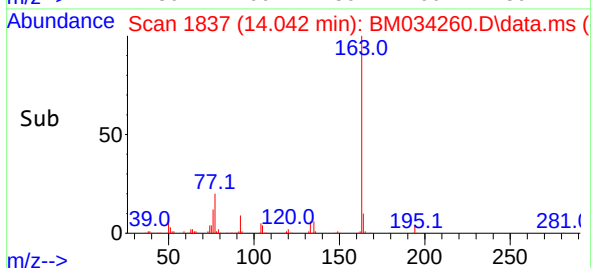
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

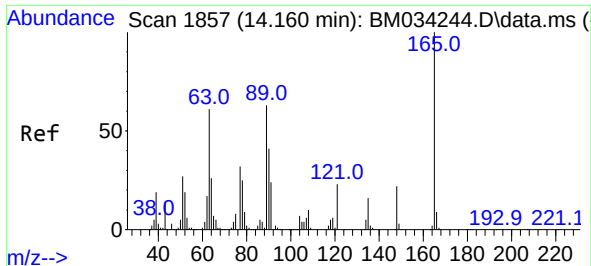


#50
Dimethylphthalate
Concen: 9.069 ng
RT: 14.042 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



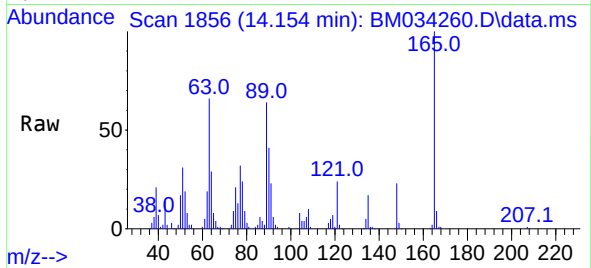
Tgt Ion:163 Resp: 325773
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.8 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 8.967 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

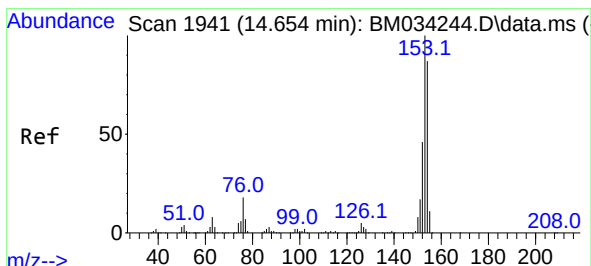
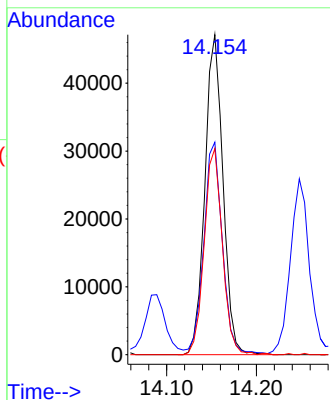
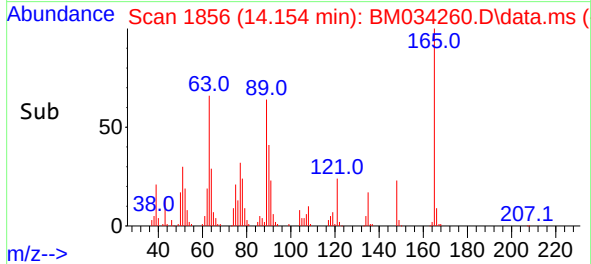
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



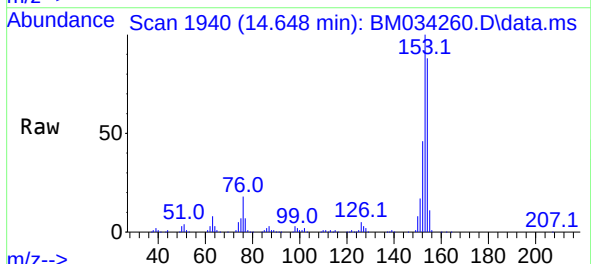
Tgt Ion:165 Resp: 6606
Ion Ratio Lower Upper
165 100
63 66.4 51.9 77.9
89 64.4 50.6 76.0

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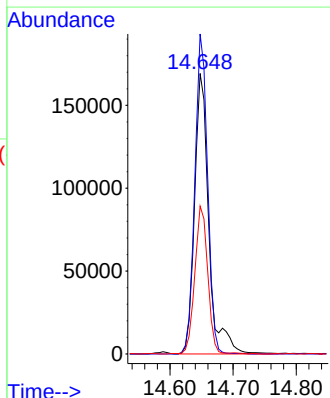
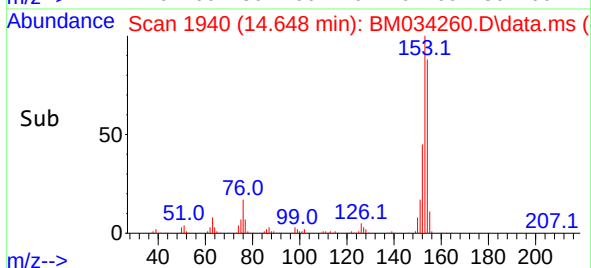
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

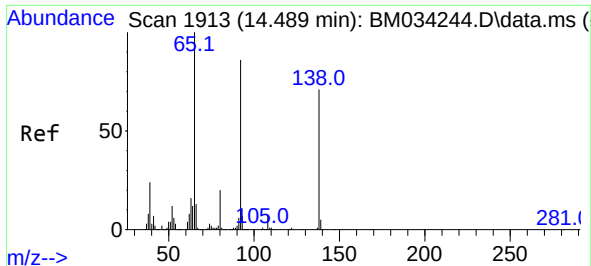


#52
Acenaphthene
Concen: 9.118 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



Tgt Ion:154 Resp: 264407
Ion Ratio Lower Upper
154 100
153 114.1 91.8 137.8
152 52.7 42.6 64.0





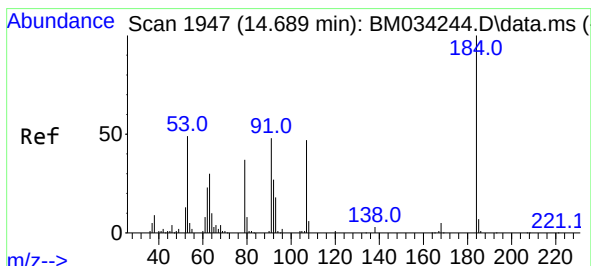
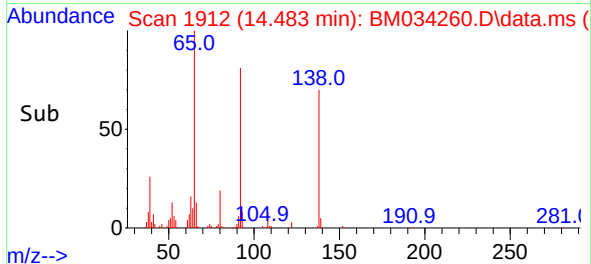
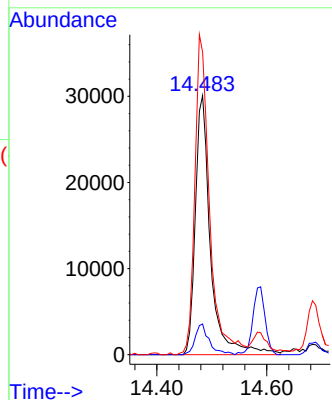
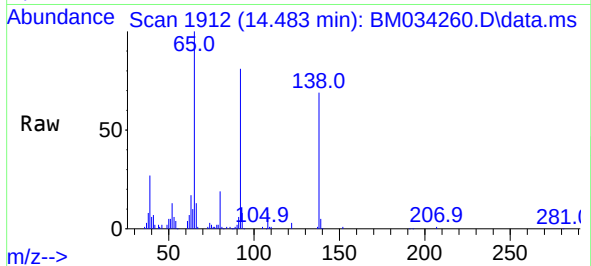
#53
3-Nitroaniline
Concen: 7.775 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

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

Tgt Ion:138 Resp: 5746
Ion Ratio Lower Upper
138 100
108 11.9 8.3 12.5
92 116.8 97.6 146.4

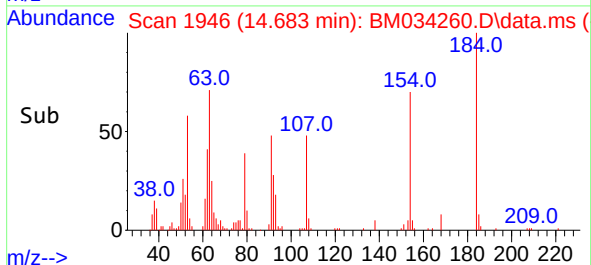
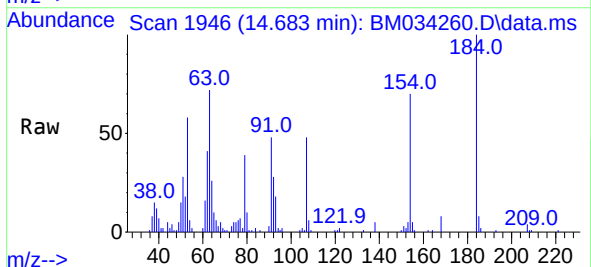
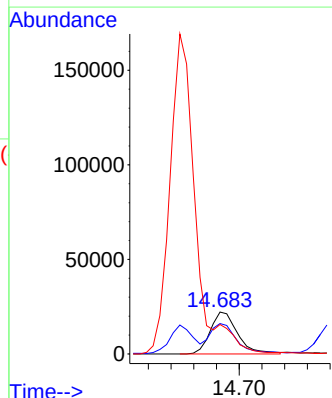
Manual Integrations
APPROVED

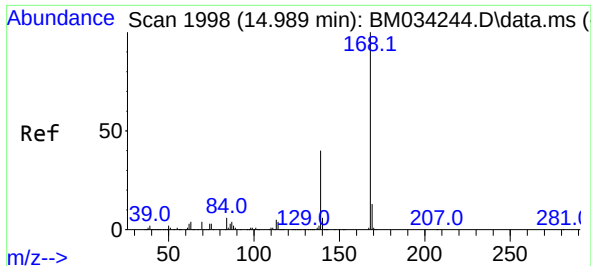
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#54
2,4-Dinitrophenol
Concen: 8.938 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

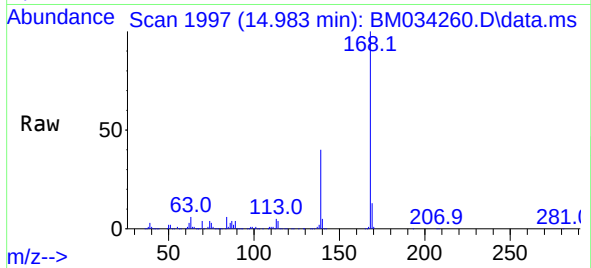
Tgt Ion:184 Resp: 36896
Ion Ratio Lower Upper
184 100
63 72.5 58.3 87.5
154 70.3 52.6 78.8





#55
Dibenzenofuran
Concen: 8.904 ng
RT: 14.983 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

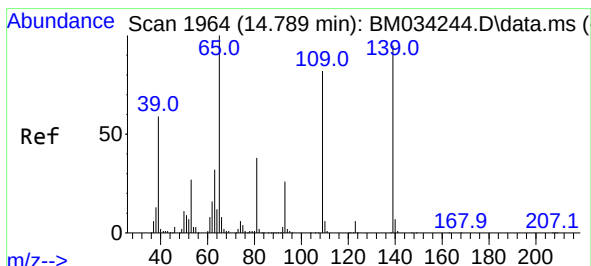
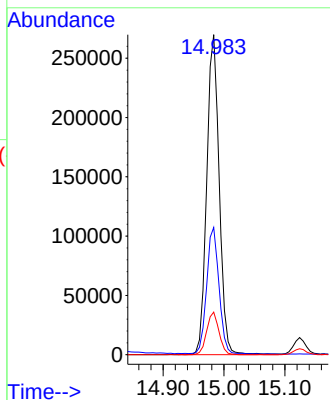
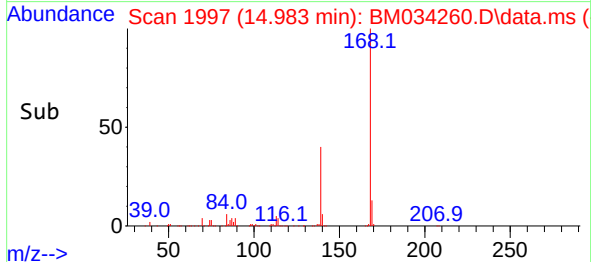
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



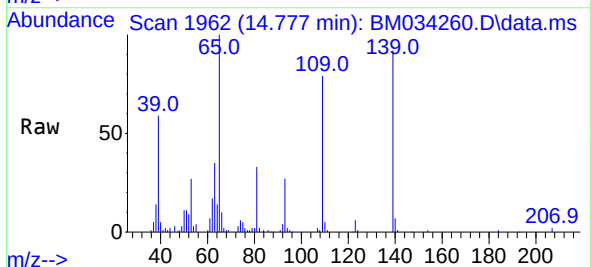
Tgt Ion:168 Resp: 384785
Ion Ratio Lower Upper
168 100
139 39.8 32.4 48.6
169 13.3 10.8 16.2

Manual Integrations
APPROVED

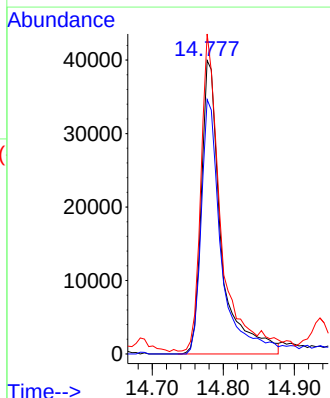
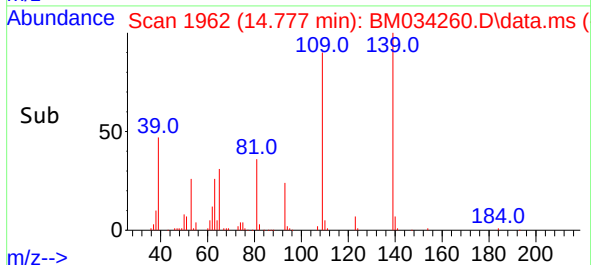
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

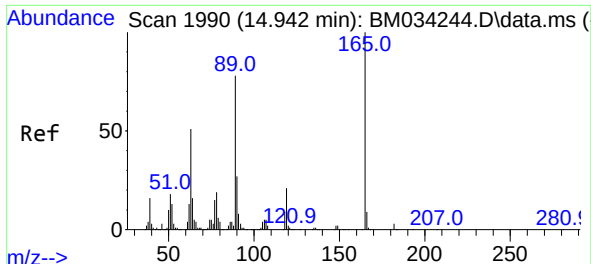


#56
4-Nitrophenol
Concen: 12.982 ng
RT: 14.777 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



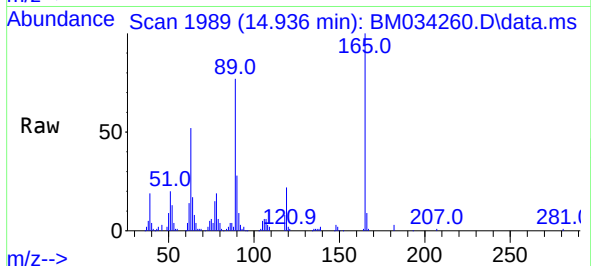
Tgt Ion:139 Resp: 77795
Ion Ratio Lower Upper
139 100
109 86.7 66.3 106.3
65 109.1 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 8.543 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

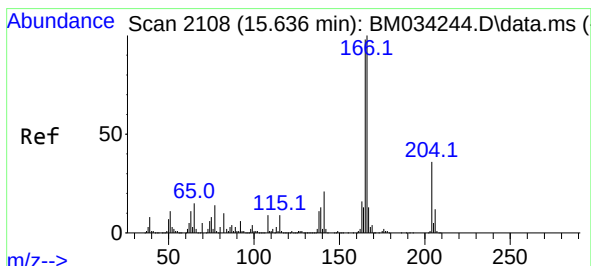
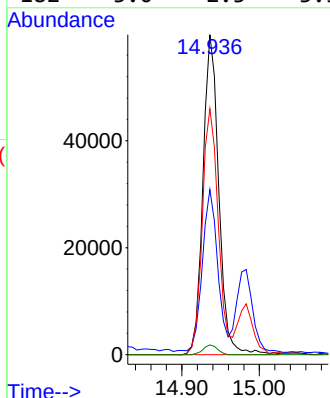
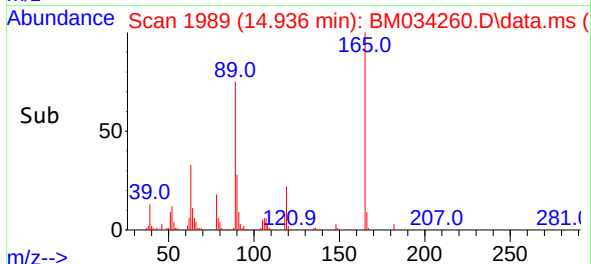
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



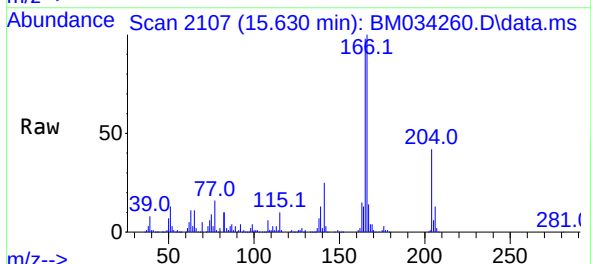
Tgt Ion:165 Resp: 85080
Ion Ratio Lower Upper
165 100
63 51.6 40.6 61.0
89 76.8 62.7 94.1
182 3.0 2.3 3.5

Manual Integrations
APPROVED

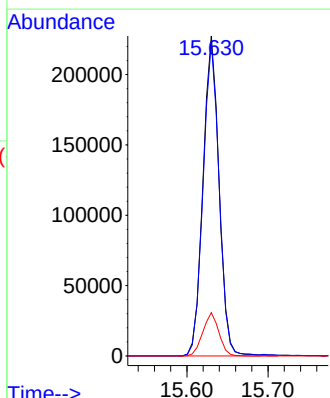
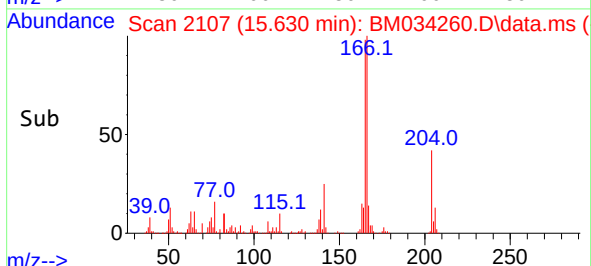
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

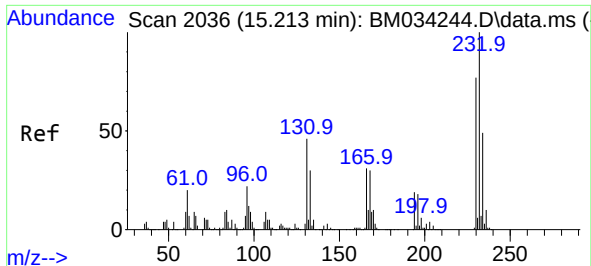


#58
Fluorene
Concen: 8.879 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



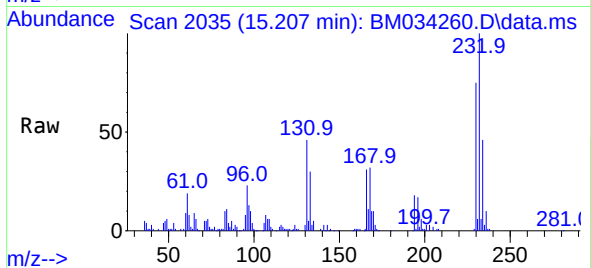
Tgt Ion:166 Resp: 311485
Ion Ratio Lower Upper
166 100
165 98.1 78.0 117.0
167 13.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.389 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

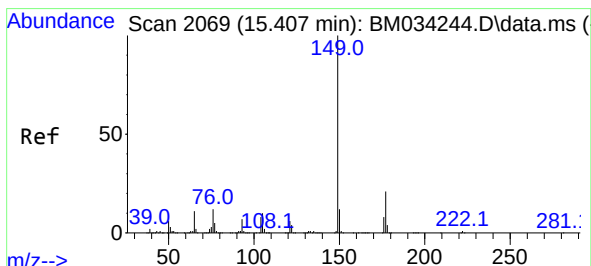
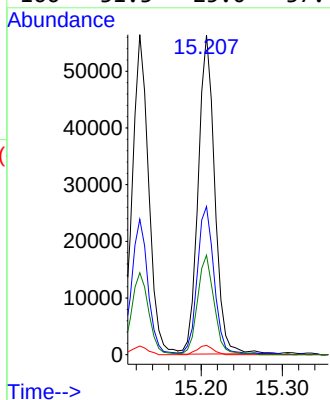
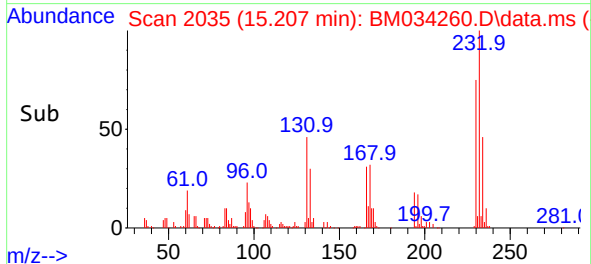
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



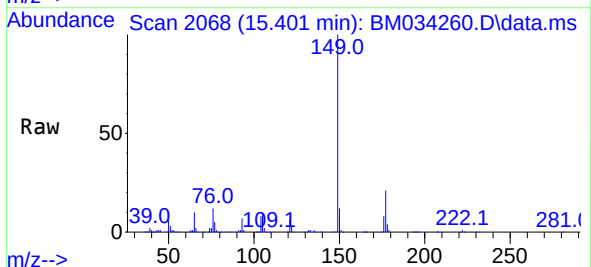
Tgt Ion:232 Resp: 7984
Ion Ratio Lower Upper
232 100
131 48.1 38.0 57.0
130 2.8 2.2 3.2
166 31.3 25.0 37.4

Manual Integrations
APPROVED

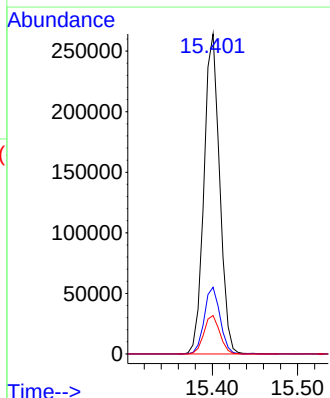
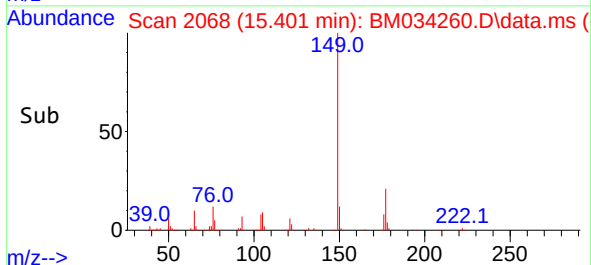
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

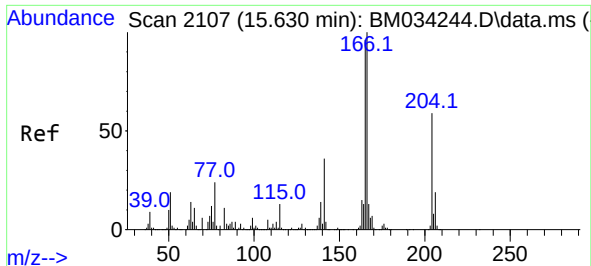


#60
Diethylphthalate
Concen: 9.131 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



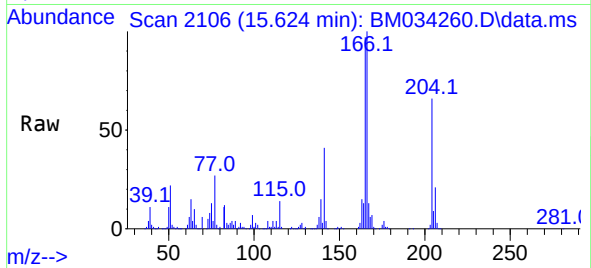
Tgt Ion:149 Resp: 336485
Ion Ratio Lower Upper
149 100
177 20.9 17.1 25.7
150 12.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.852 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

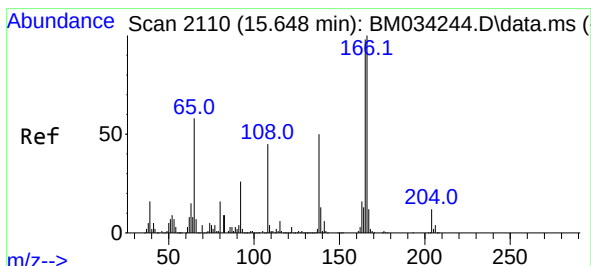
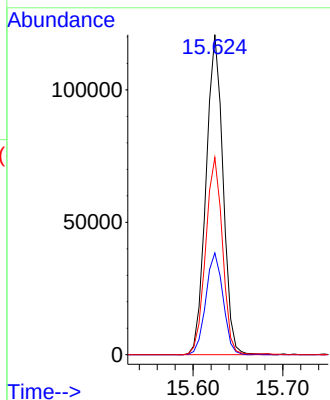
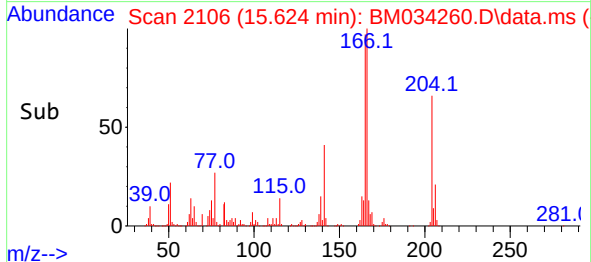
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



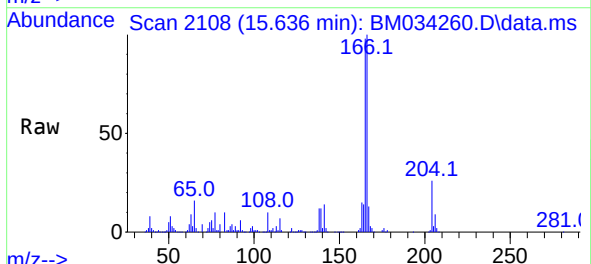
Tgt Ion:204 Resp: 15856
Ion Ratio Lower Upper
204 100
206 31.8 26.4 39.6
141 61.6 49.4 74.2

Manual Integrations
APPROVED

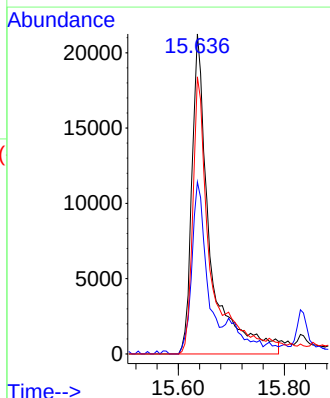
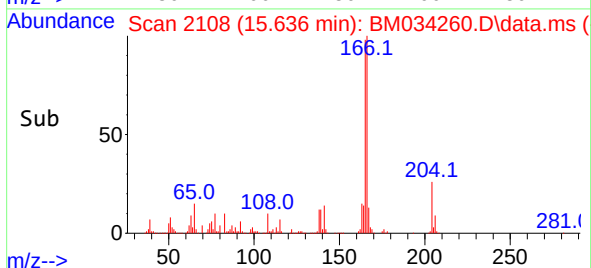
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

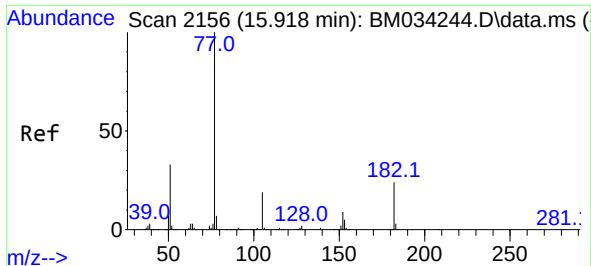


#62
4-Nitroaniline
Concen: 7.083 ng m
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



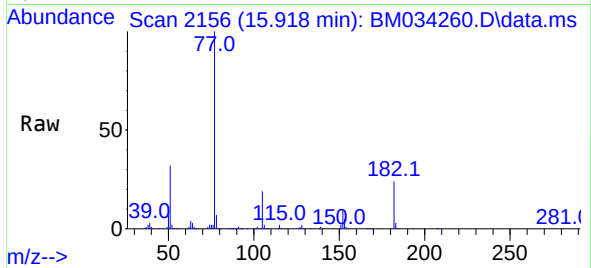
Tgt Ion:138 Resp: 50365
Ion Ratio Lower Upper
138 100
92 53.7 32.6 72.6
108 86.6 69.8 109.8





#63
Azobenzene
Concen: 8.771 ng
RT: 15.918 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

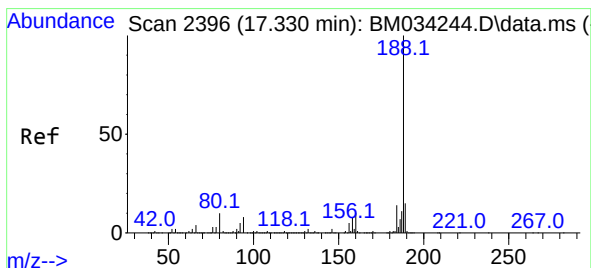
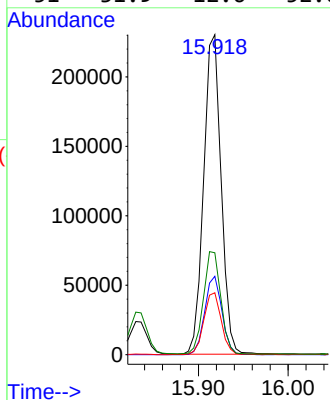
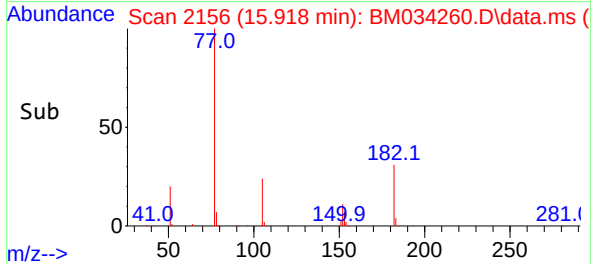
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



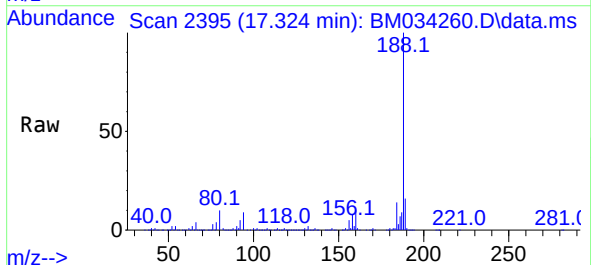
Tgt Ion: 77 Resp: 311700
Ion Ratio Lower Upper
77 100
182 24.5 4.4 44.4
105 19.4 0.0 38.7
51 31.9 12.6 52.6

Manual Integrations
APPROVED

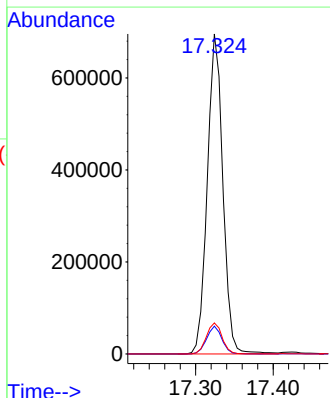
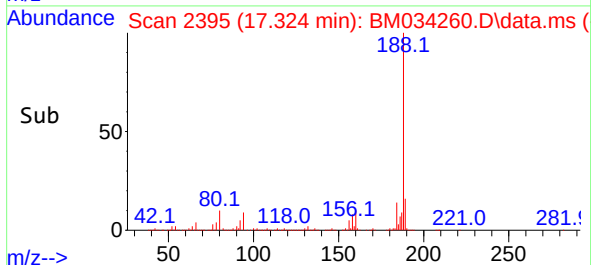
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

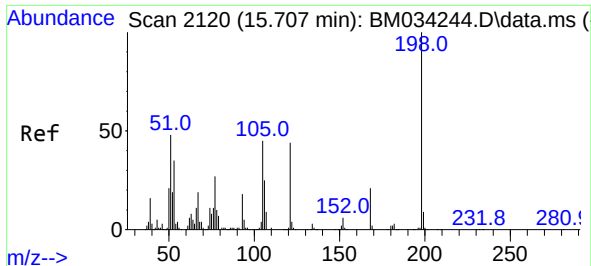


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



Tgt Ion:188 Resp: 971433
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 9.7 7.8 11.8





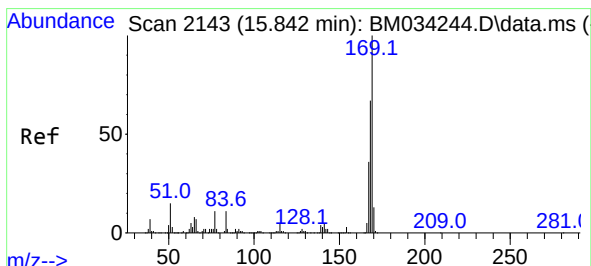
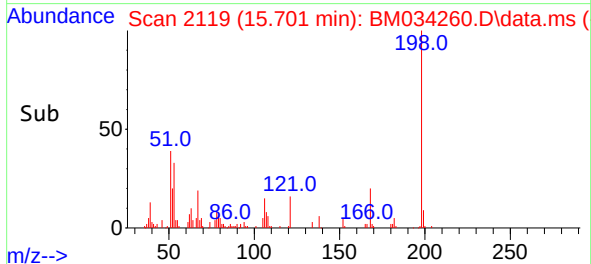
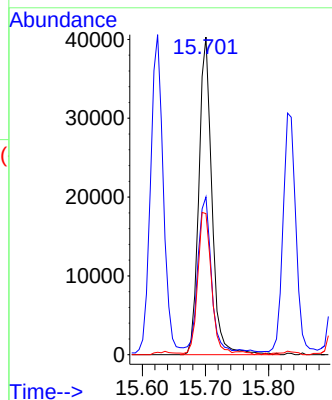
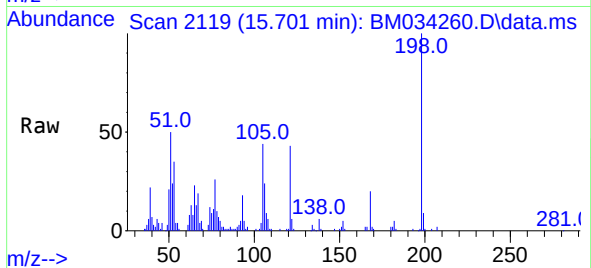
#65
4,6-Dinitro-2-methylphenol
Concen: 9.145 ng
RT: 15.701 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

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

Tgt Ion:198 Resp: 5776
Ion Ratio Lower Upper
198 100
51 49.7 29.0 69.0
105 44.4 25.3 65.3

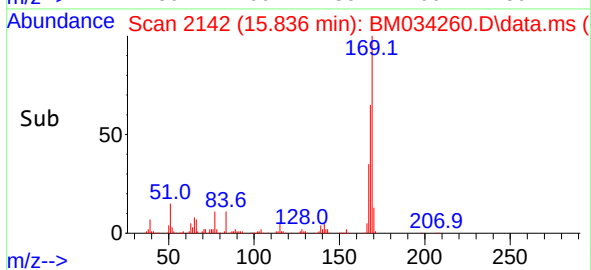
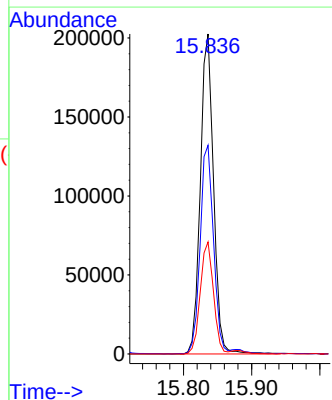
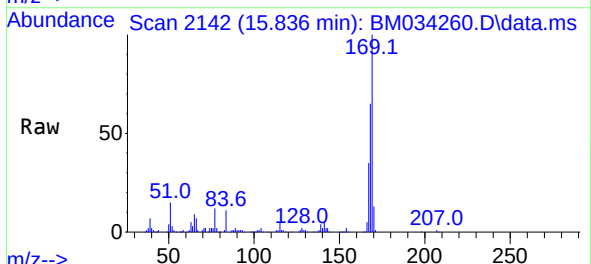
Manual Integrations
APPROVED

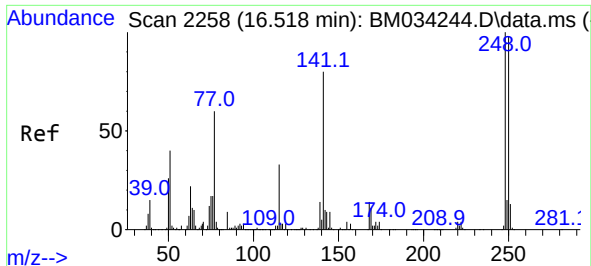
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 8.828 ng
RT: 15.836 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

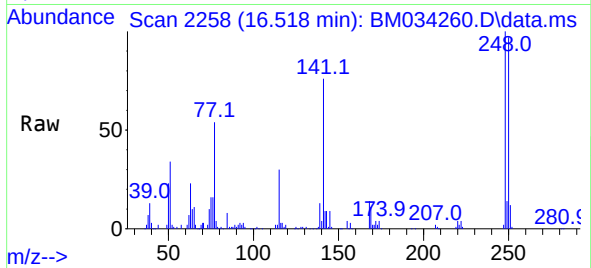
Tgt Ion:169 Resp: 272446
Ion Ratio Lower Upper
169 100
168 65.2 53.9 80.9
167 35.0 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 8.718 ng
RT: 16.518 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

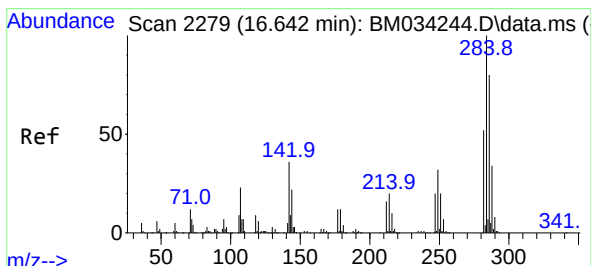
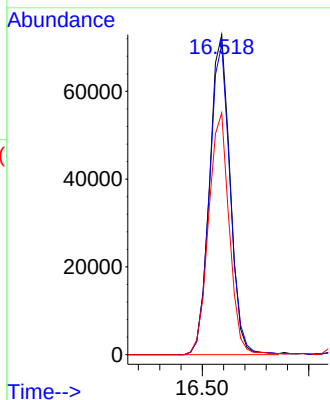
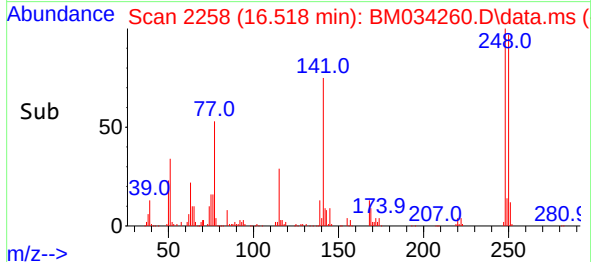
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



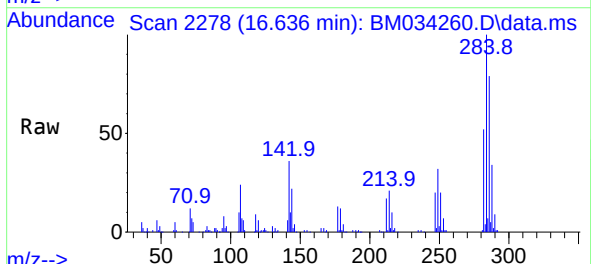
Tgt Ion:248 Resp: 97360
Ion Ratio Lower Upper
248 100
250 96.9 78.0 117.0
141 75.5 63.8 95.6

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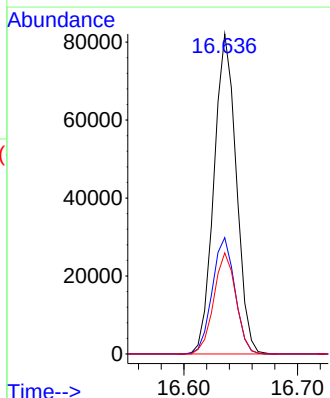
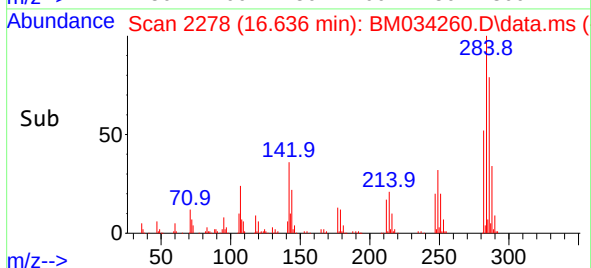
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

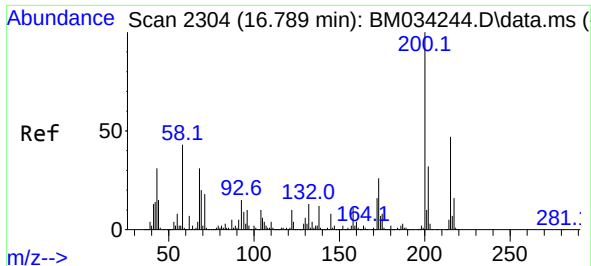


#68
Hexachlorobenzene
Concen: 8.996 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



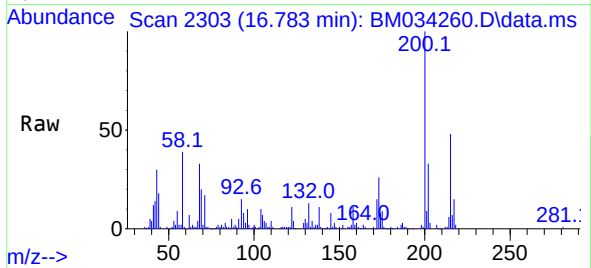
Tgt Ion:284 Resp: 112047
Ion Ratio Lower Upper
284 100
142 36.4 28.9 43.3
249 31.6 25.4 38.0





#69
Atrazine
Concen: 9.675 ng
RT: 16.783 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

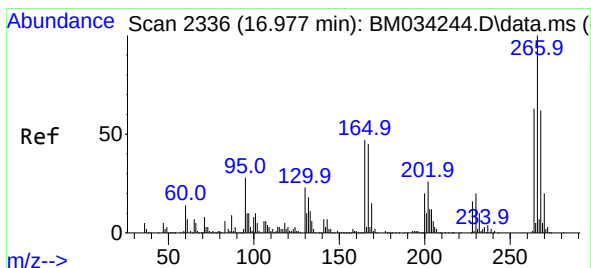
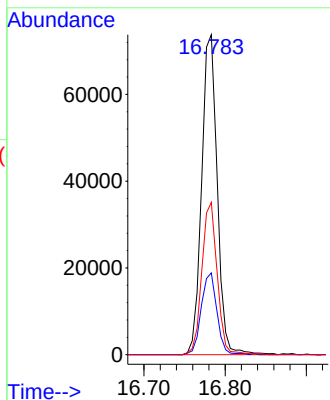
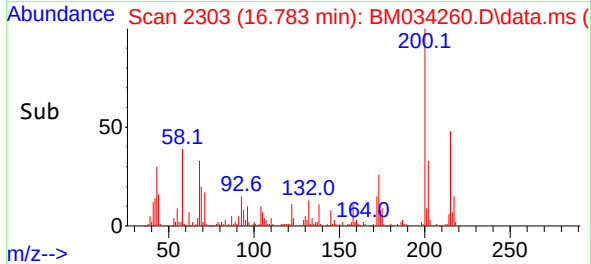
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



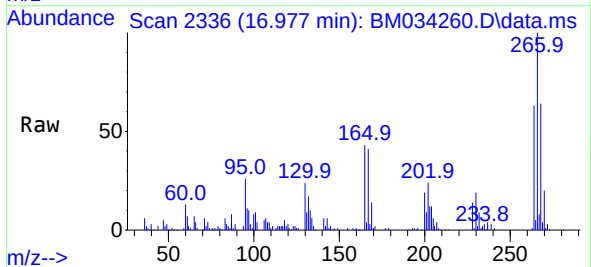
Tgt Ion:200 Resp: 9842
Ion Ratio Lower Upper
200 100
173 25.6 6.1 46.1
215 47.6 27.4 67.4

Manual Integrations
APPROVED

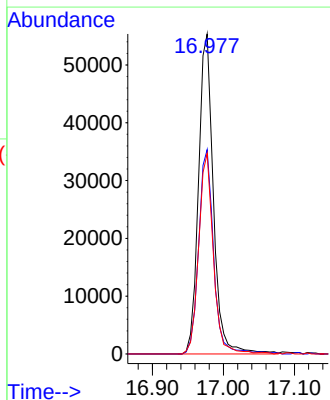
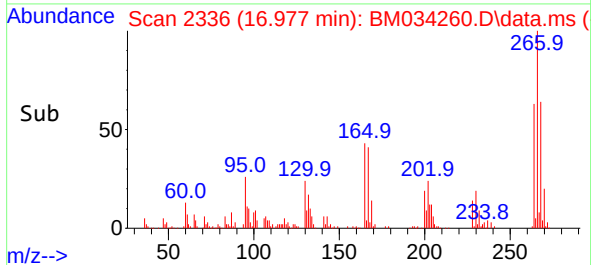
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

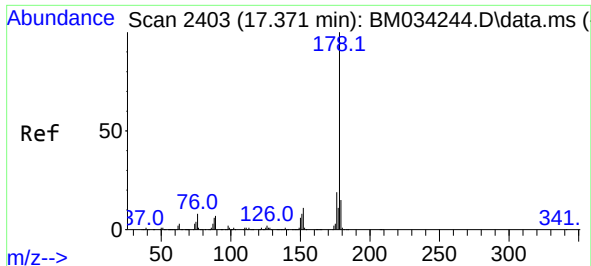


#70
Pentachlorophenol
Concen: 10.138 ng
RT: 16.977 min Scan# 2336
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



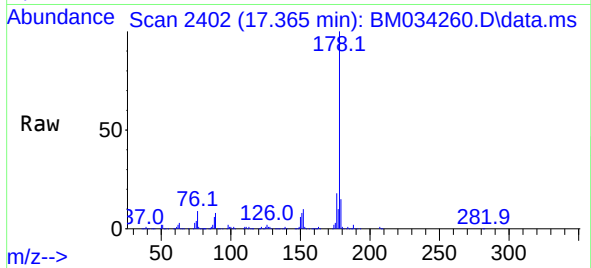
Tgt Ion:266 Resp: 80755
Ion Ratio Lower Upper
266 100
268 63.8 49.8 74.8
264 62.6 50.3 75.5





#71
Phenanthrene
Concen: 8.956 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

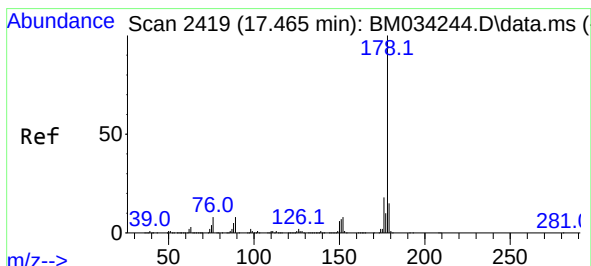
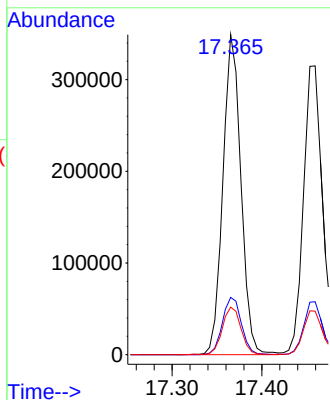
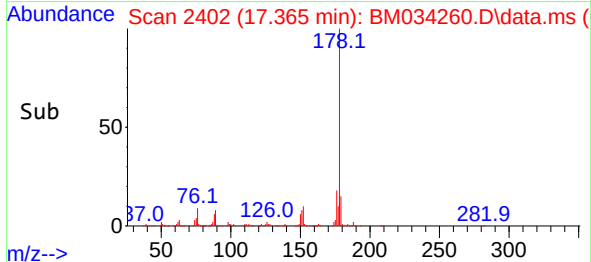
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



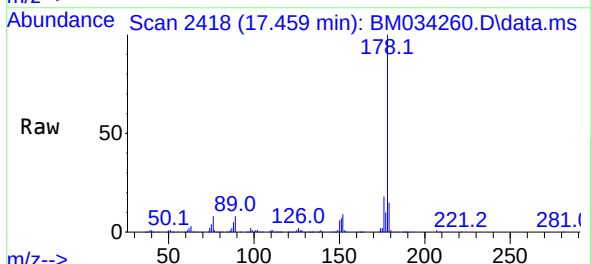
Tgt Ion:178 Resp: 487240
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 14.9 12.2 18.4

Manual Integrations
APPROVED

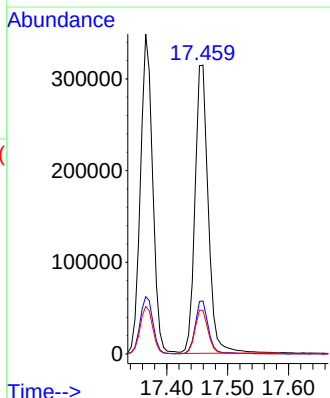
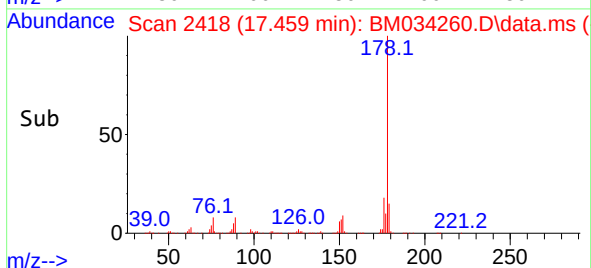
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

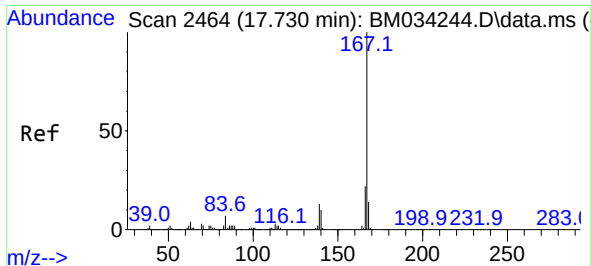


#72
Anthracene
Concen: 9.003 ng
RT: 17.459 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



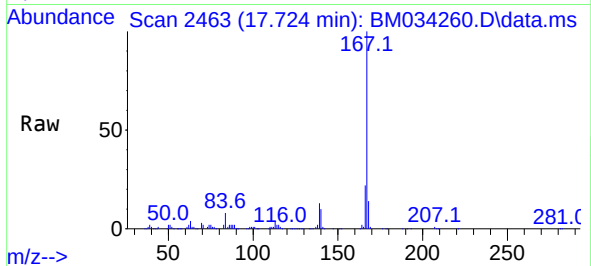
Tgt Ion:178 Resp: 476725
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.1 12.2 18.2





#73
 Carbazole
 Concen: 7.983 ng
 RT: 17.724 min Scan# 2463
 Delta R.T. -0.006 min
 Lab File: BM034260.D
 Acq: 16 Mar 2022 16:39

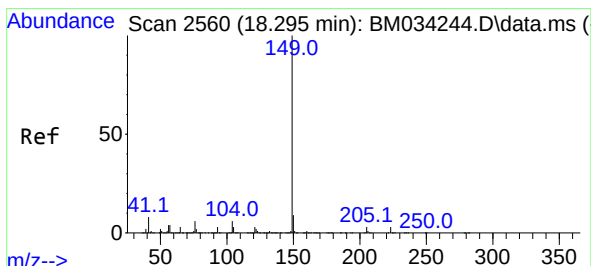
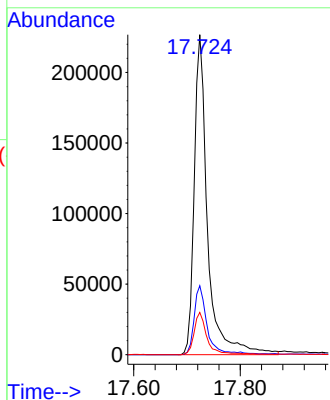
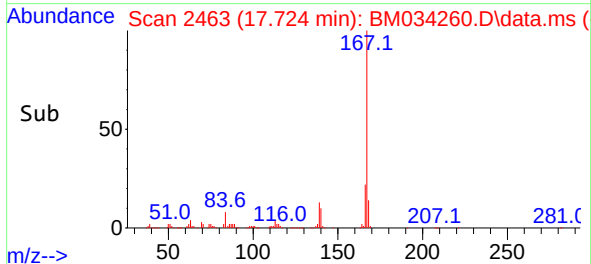
Instrument : BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



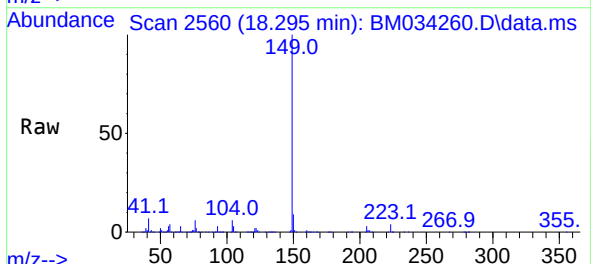
Tgt Ion:167 Resp: 39421
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 13.2 10.4 15.6

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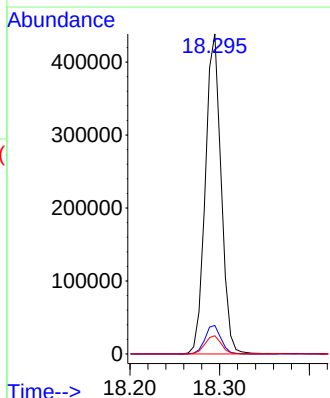
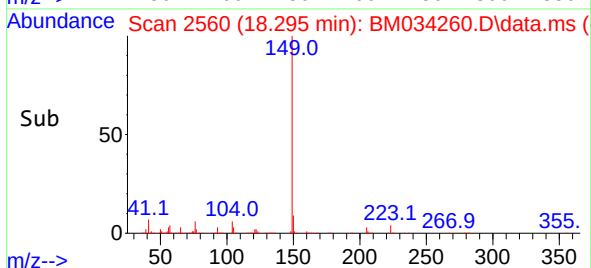
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

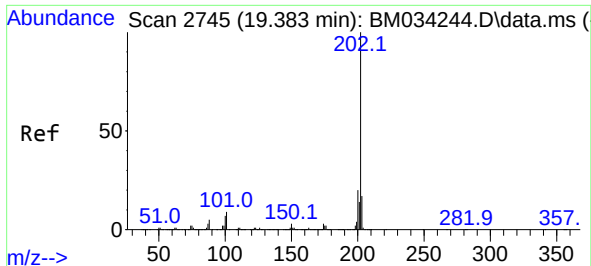


#74
 Di-n-butylphthalate
 Concen: 8.720 ng
 RT: 18.295 min Scan# 2560
 Delta R.T. -0.000 min
 Lab File: BM034260.D
 Acq: 16 Mar 2022 16:39



Tgt Ion:149 Resp: 535358
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.6 11.4
 104 5.7 4.7 7.1





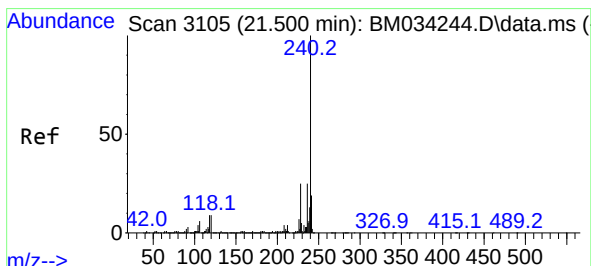
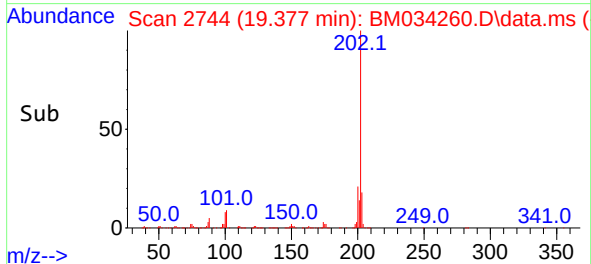
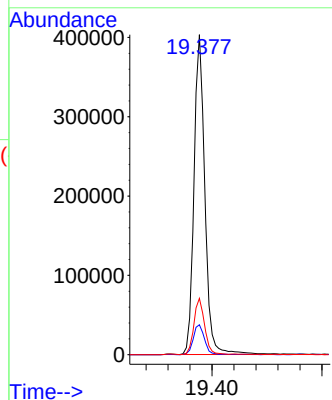
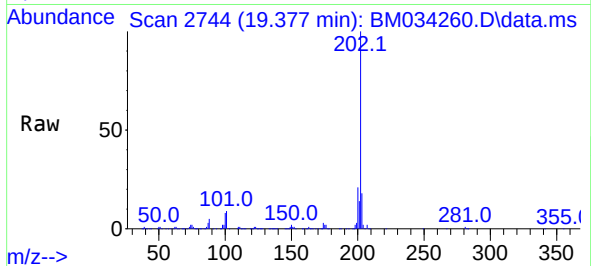
#75
Fluoranthene
Concen: 9.081 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

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

Tgt Ion:202 Resp: 553800
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.4
203 17.6 0.0 37.1

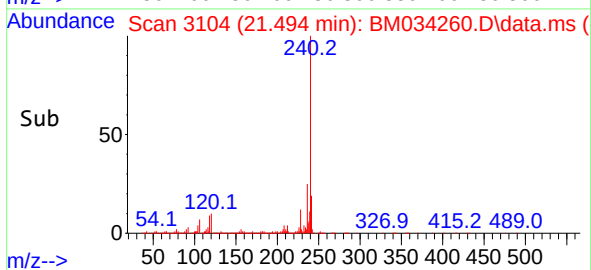
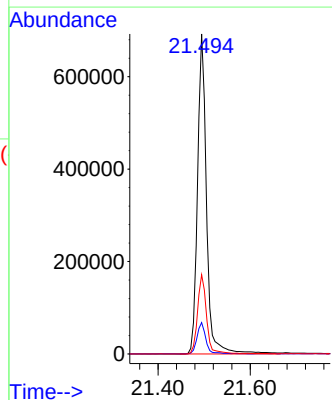
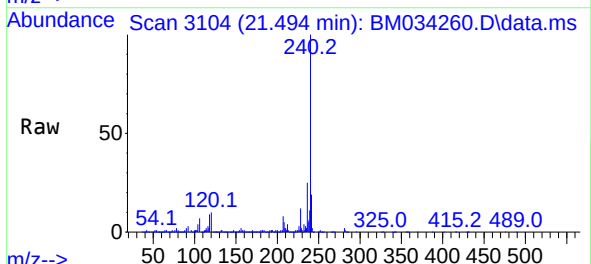
Manual Integrations
APPROVED

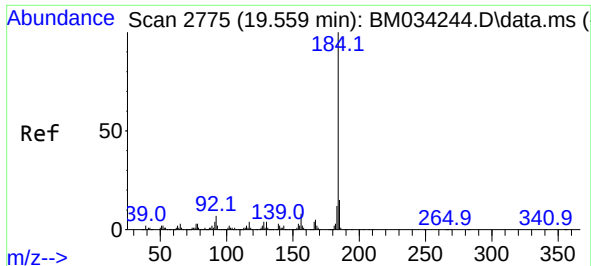
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

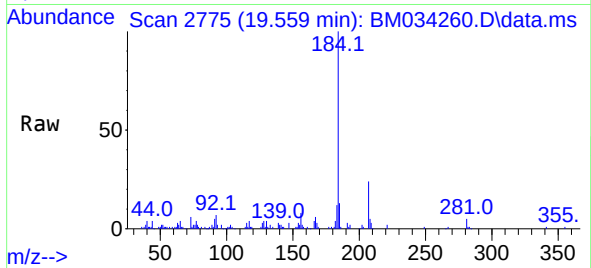
Tgt Ion:240 Resp: 937962
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 24.7 20.2 30.2





#77
Benzidine
Concen: 10.624 ng m
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

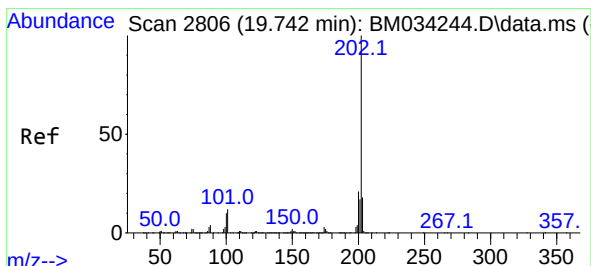
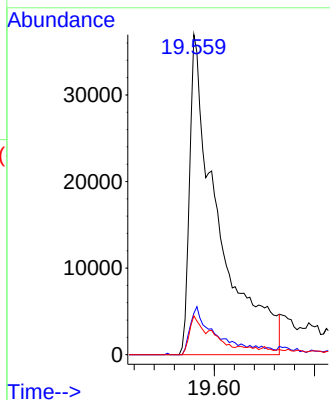
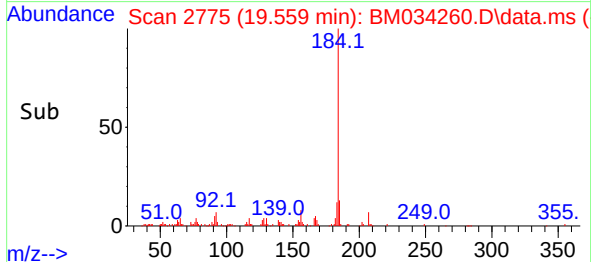
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



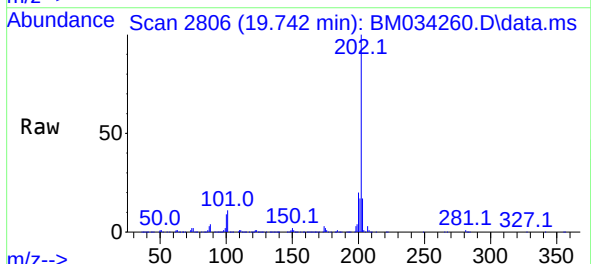
Tgt Ion:184 Resp: 14603
Ion Ratio Lower Upper
184 100
185 12.9 11.7 17.5
183 12.2 9.8 14.6

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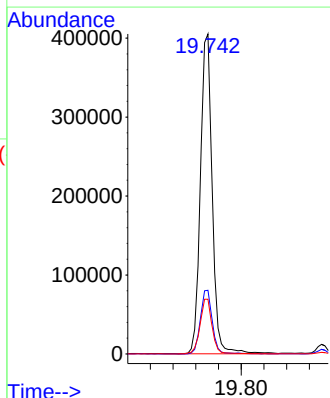
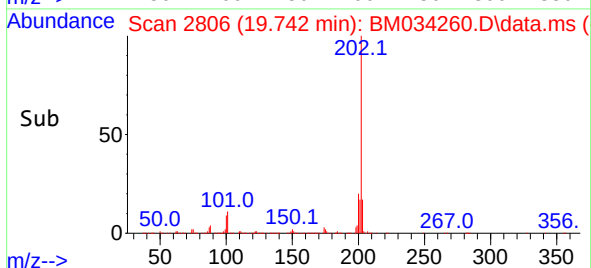
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

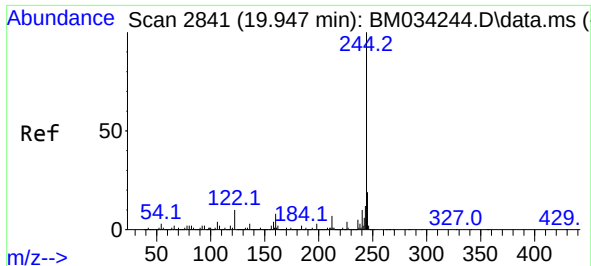


#78
Pyrene
Concen: 8.842 ng
RT: 19.742 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



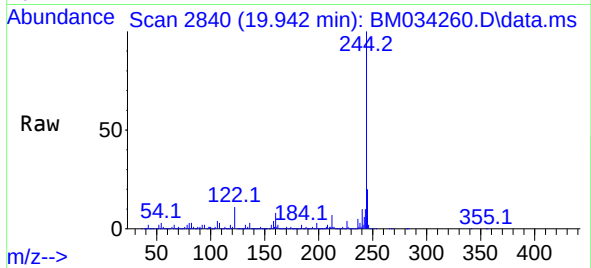
Tgt Ion:202 Resp: 584303
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 17.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 71.355 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034260.D
 Acq: 16 Mar 2022 16:39

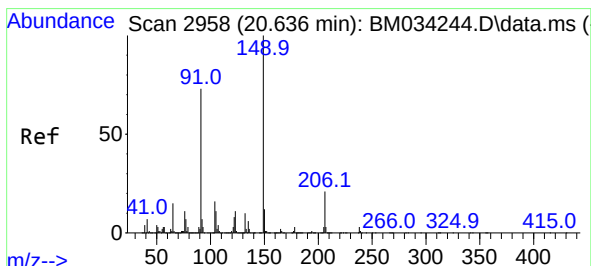
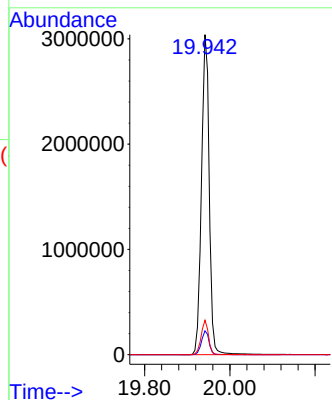
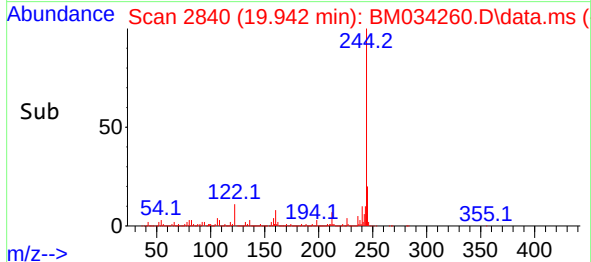
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



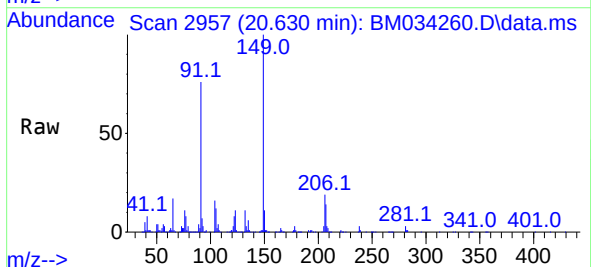
Tgt Ion:244 Resp: 385171
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.8 7.8 11.8

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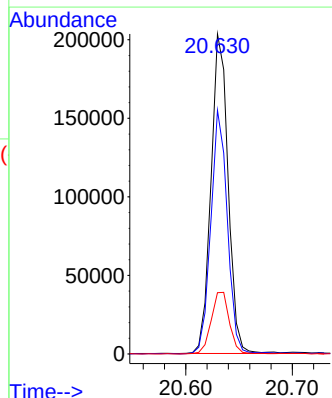
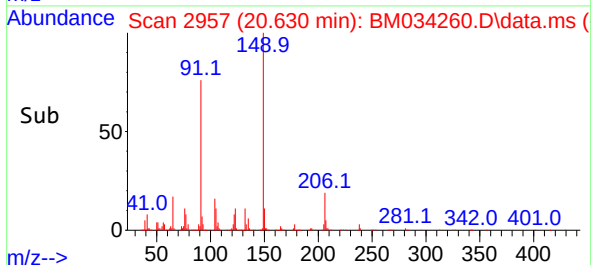
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

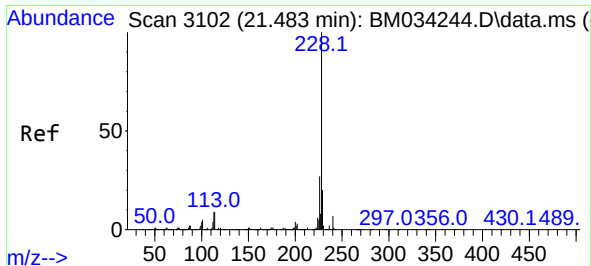


#80
 Butylbenzylphthalate
 Concen: 8.125 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034260.D
 Acq: 16 Mar 2022 16:39



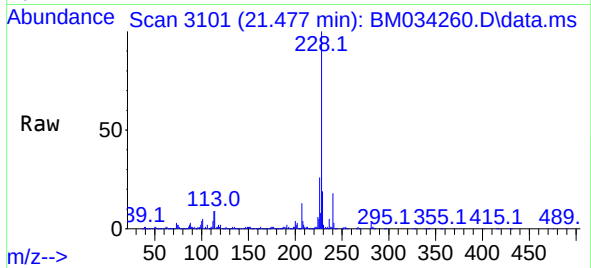
Tgt Ion:149 Resp: 227090
 Ion Ratio Lower Upper
 149 100
 91 76.2 58.5 87.7
 206 19.1 16.9 25.3





#81
Benzo(a)anthracene
Concen: 8.837 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

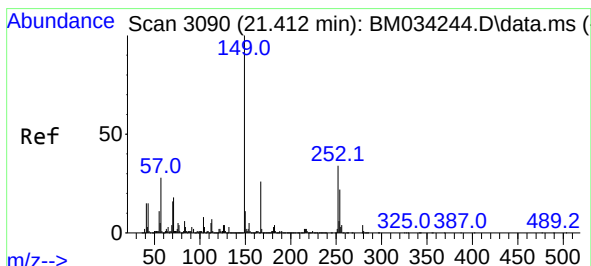
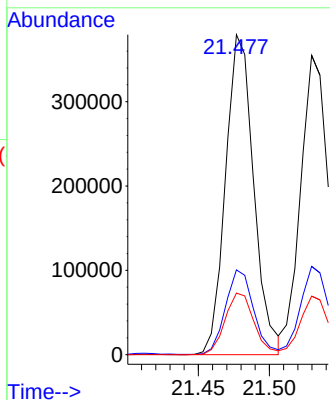
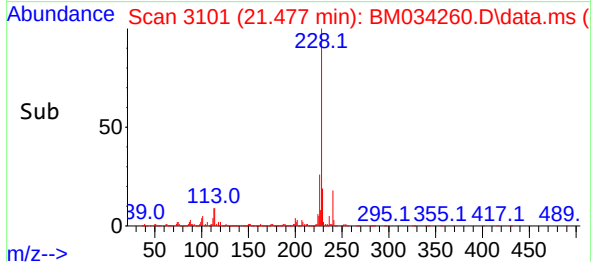
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 523184
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 19.3 15.8 23.6

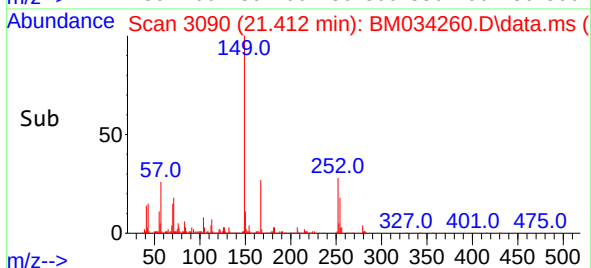
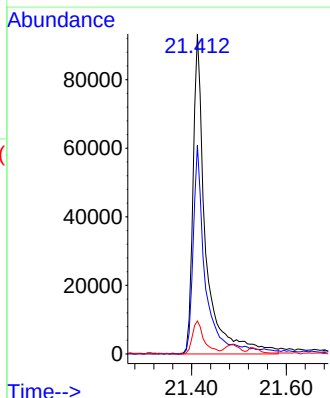
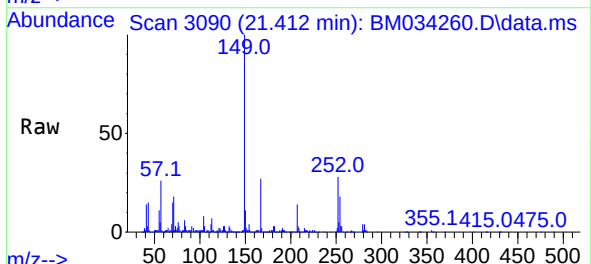
Manual Integrations
APPROVED

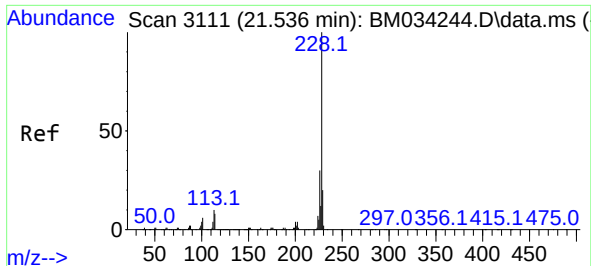
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 8.797 ng
RT: 21.412 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

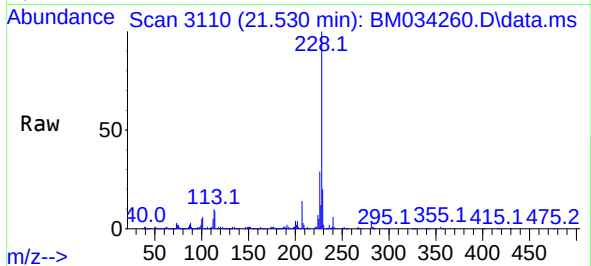
Tgt Ion:252 Resp: 173952
Ion Ratio Lower Upper
252 100
254 65.2 50.9 76.3
126 10.3 8.6 12.8





#83
Chrysene
Concen: 8.510 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

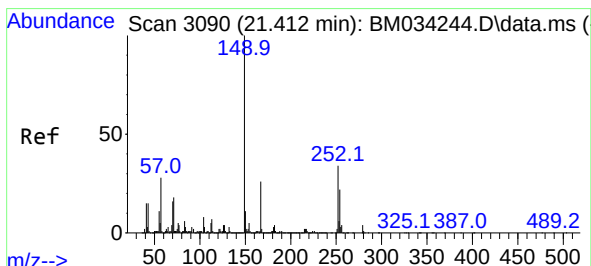
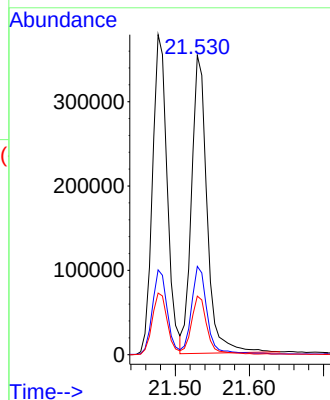
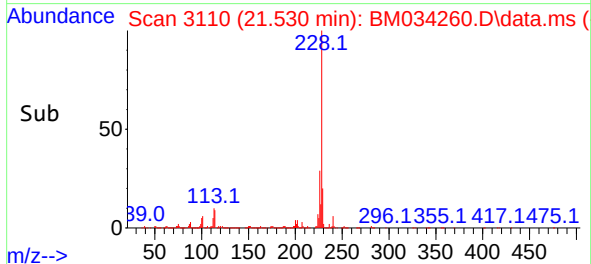
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 51444
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 19.6 15.6 23.4

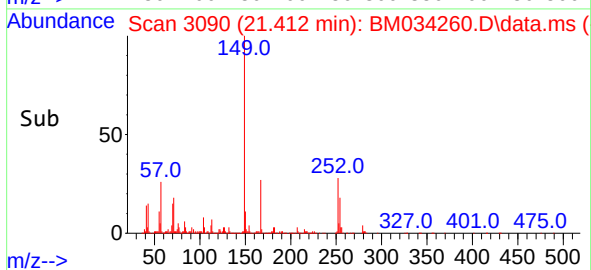
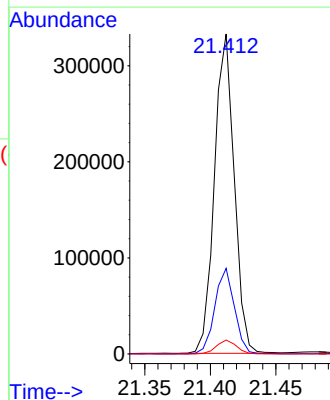
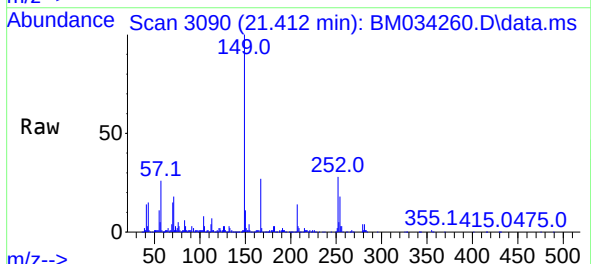
Manual Integrations
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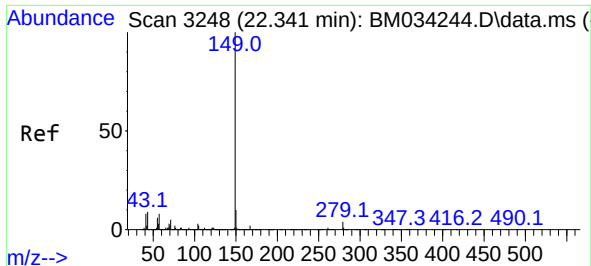
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.449 ng
RT: 21.412 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

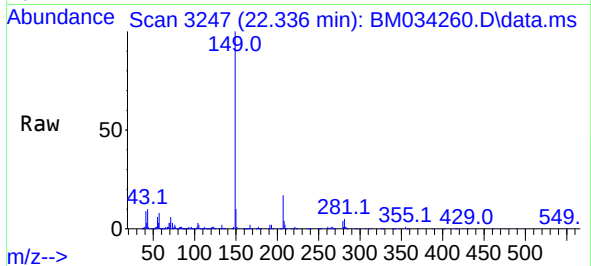
Tgt Ion:149 Resp: 348703
Ion Ratio Lower Upper
149 100
167 26.7 21.2 31.8
279 4.3 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 8.276 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

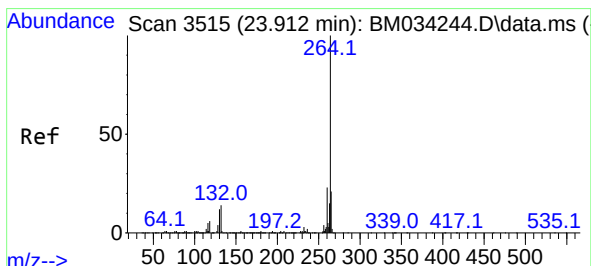
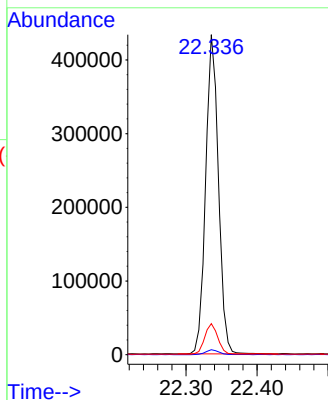
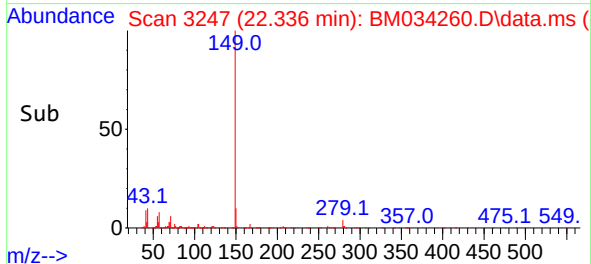
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:149 Resp: 542149
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.8 7.8 11.8

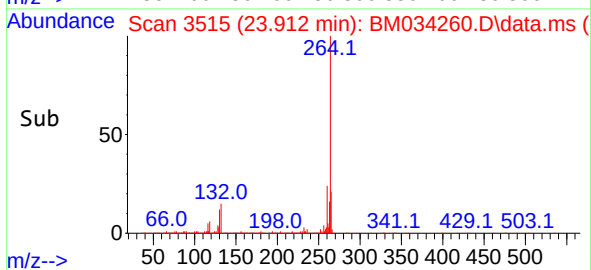
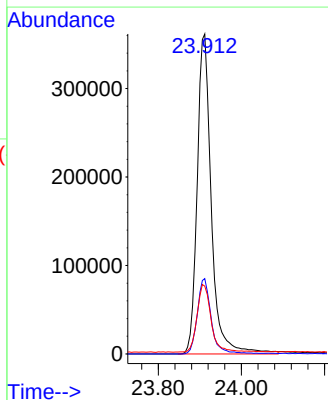
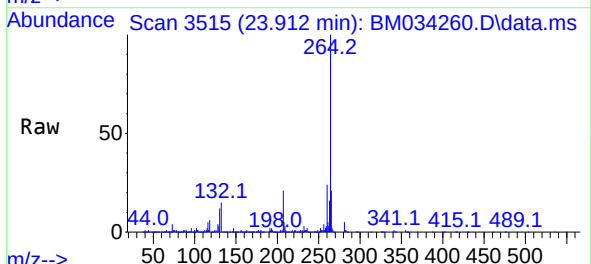
Manual Integrations
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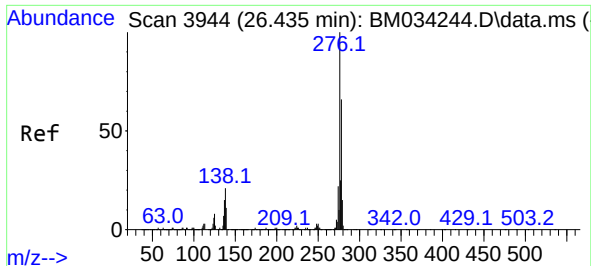
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

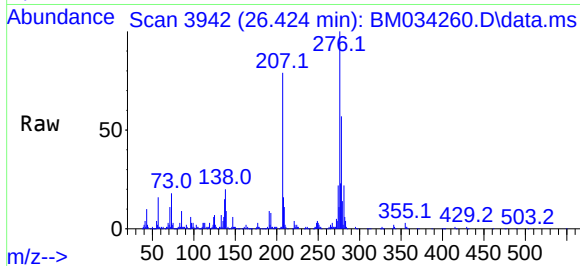
Tgt Ion:264 Resp: 856502
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.2 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.763 ng
RT: 26.424 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

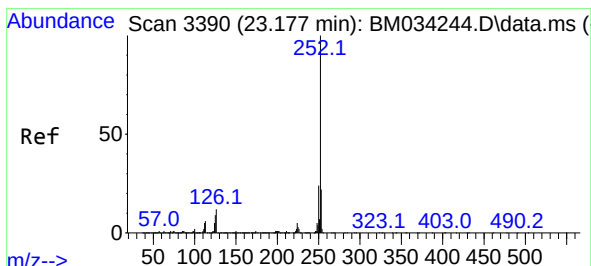
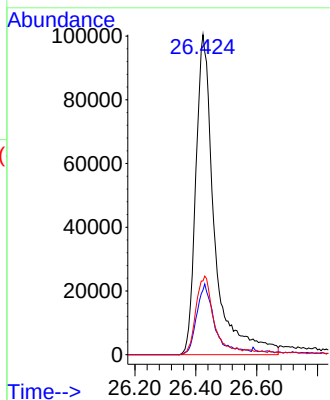
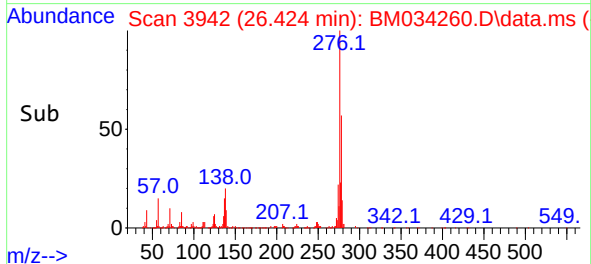
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:276 Resp: 427699
Ion Ratio Lower Upper
276 100
138 21.6 16.6 25.0
277 23.8 19.8 29.6

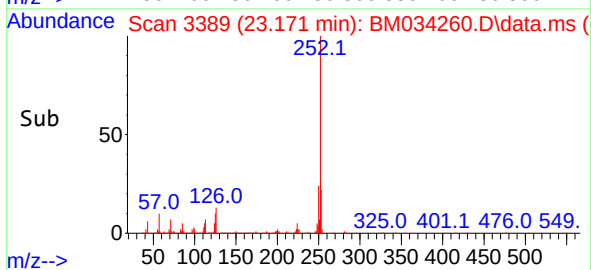
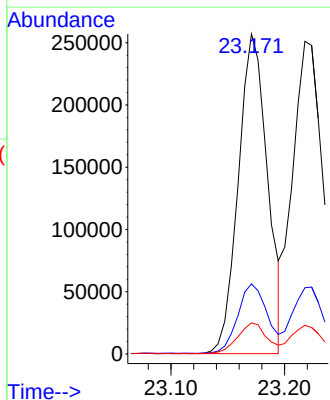
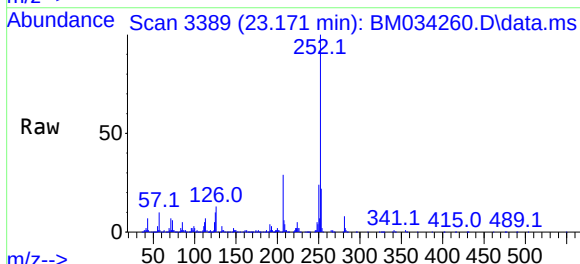
Manual Integrations
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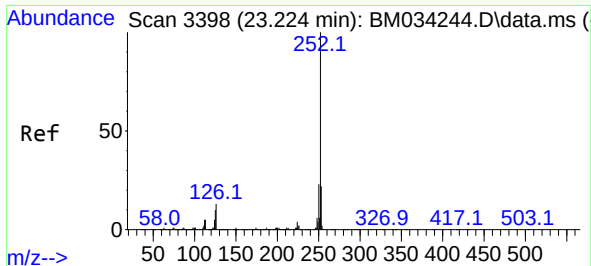
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#88
Benzo(b)fluoranthene
Concen: 8.952 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

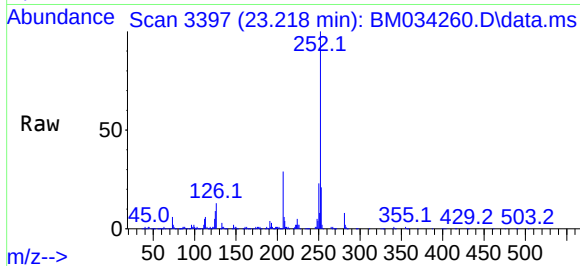
Tgt Ion:252 Resp: 458505
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.7 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 9.521 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

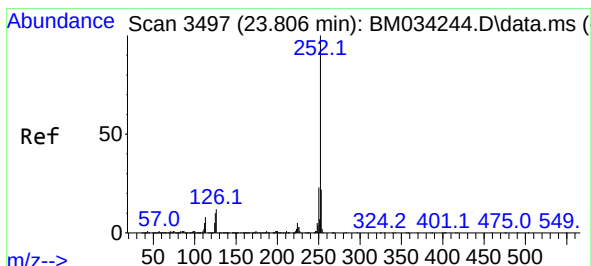
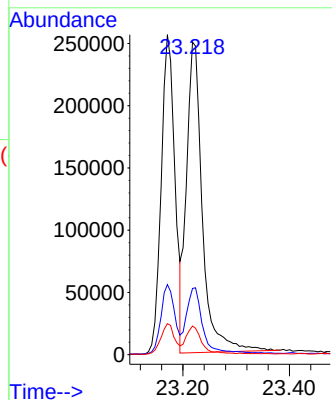
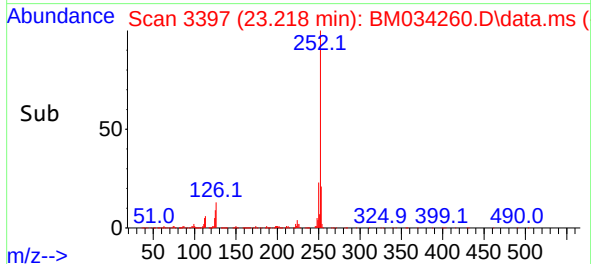
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



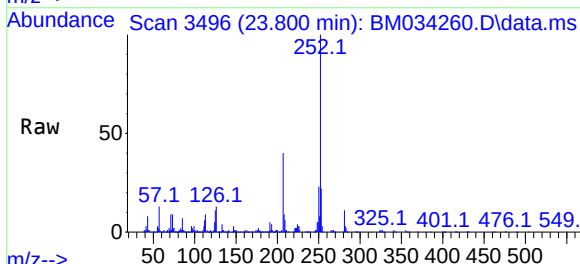
Tgt Ion:252 Resp: 516560
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 9.1 7.5 11.3

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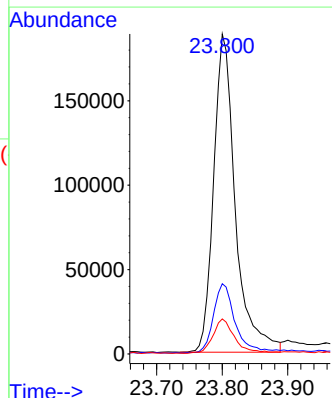
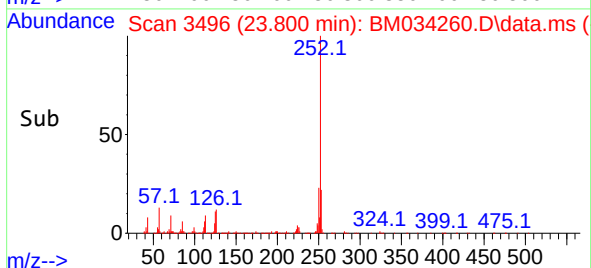
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

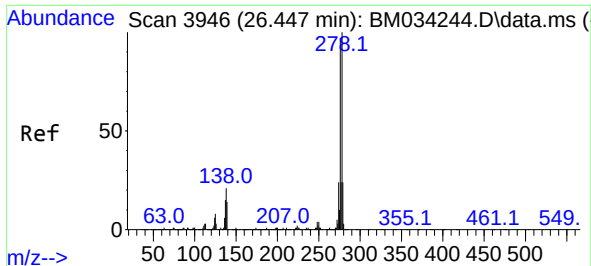


#90
Benzo(a)pyrene
Concen: 9.963 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39



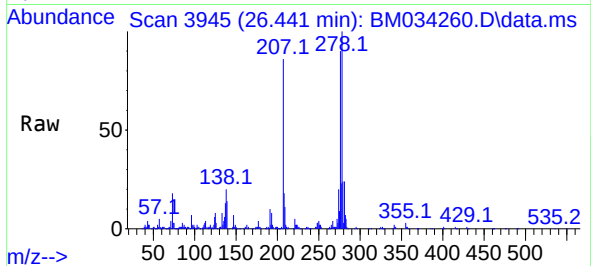
Tgt Ion:252 Resp: 432583
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.0 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 8.147 ng
RT: 26.441 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

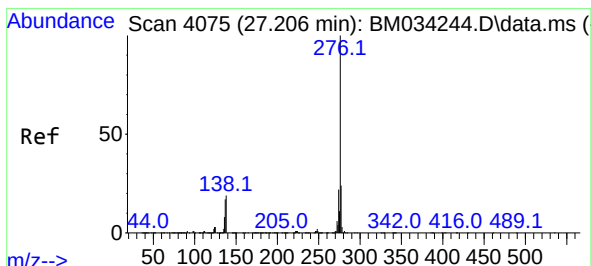
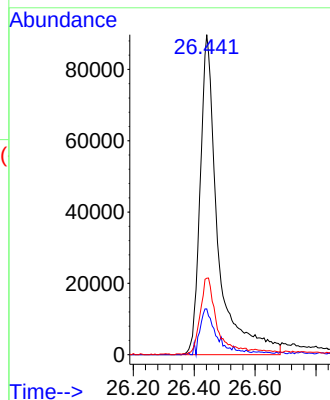
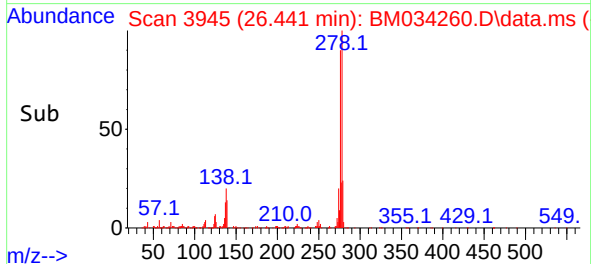
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:278 Resp: 363950
Ion Ratio Lower Upper
278 100
139 14.3 11.2 16.8
279 23.9 19.2 28.8

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



#92
Benzo(g,h,i)perylene
Concen: 8.361 ng
RT: 27.200 min Scan# 4074
Delta R.T. -0.006 min
Lab File: BM034260.D
Acq: 16 Mar 2022 16:39

Tgt Ion:276 Resp: 386616
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.4
138 18.7 15.6 23.4

