

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031822\
 Data File : BP009456.D
 Acq On : 18 Mar 2022 14:20
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ--SOIL 10ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 18 14:53:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 14:30:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/21/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	239674	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	896168	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	571146	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1187408	20.000	ng	0.00
76) Chrysene-d12	21.316	240	1341195	20.000	ng	# 0.00
86) Perylene-d12	23.721	264	1486427	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1389949	101.252	ng	0.00
7) Phenol-d6	6.987	99	1782045	95.992	ng	0.00
23) Nitrobenzene-d5	8.951	82	1149183	68.144	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	926400	98.293	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2829200	68.671	ng	0.00
79) Terphenyl-d14	19.780	244	4738053	63.408	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.328	88	52330	9.624	ng	97
3) Pyridine	3.728	79	116236	7.937	ng	98
4) n-Nitrosodimethylamine	3.640	42	48682	9.027	ng	# 92
6) Aniline	7.128	93	213110	10.072	ng	98
8) 2-Chlorophenol	7.369	128	142447	9.100	ng	97
9) Benzaldehyde	6.946	77	123590m	12.560	ng	
10) Phenol	7.010	94	168600	9.052	ng	88
11) bis(2-Chloroethyl)ether	7.222	93	138482	9.395	ng	94
12) 1,3-Dichlorobenzene	7.687	146	168011	9.510	ng	95
13) 1,4-Dichlorobenzene	7.834	146	169562	9.387	ng	98
14) 1,2-Dichlorobenzene	8.152	146	166534	9.538	ng	99
15) Benzyl Alcohol	8.052	79	132924m	8.980	ng	
16) 2,2'-oxybis(1-Chloropr...	8.334	45	150319	9.408	ng	92
17) 2-Methylphenol	8.257	107	110784	8.632	ng	97
18) Hexachloroethane	8.875	117	60876	9.616	ng	94
19) n-Nitroso-di-n-propyla...	8.604	70	105067	8.948	ng	97
20) 3+4-Methylphenols	8.593	107	139396	7.899	ng	94
22) Acetophenone	8.622	105	209206	9.432	ng	# 98
24) Nitrobenzene	8.993	77	157678	9.898	ng	98
25) Isophorone	9.522	82	285167	9.913	ng	98
26) 2-Nitrophenol	9.710	139	67685	8.151	ng	96
27) 2,4-Dimethylphenol	9.787	122	120813	10.311	ng	98
28) bis(2-Chloroethoxy)met...	10.010	93	168784	9.012	ng	99
29) 2,4-Dichlorophenol	10.269	162	117377	8.212	ng	95
30) 1,2,4-Trichlorobenzene	10.457	180	156072	9.425	ng	98
31) Naphthalene	10.640	128	450161	9.752	ng	99
32) Benzoic acid	9.951	122	66454m	7.254	ng	
33) 4-Chloroaniline	10.769	127	154126	8.182	ng	96
34) Hexachlorobutadiene	10.934	225	104140	9.282	ng	97
35) Caprolactam	11.540	113	39845	8.260	ng	90
36) 4-Chloro-3-methylphenol	11.910	107	136304	8.875	ng	98
37) 2-Methylnaphthalene	12.257	142	301937	9.322	ng	99
38) 1-Methylnaphthalene	12.475	142	300690	9.530	ng	99
40) 1,2,4,5-Tetrachloroben...	12.634	216	181265	9.565	ng	99
41) Hexachlorocyclopentadiene	12.610	237	43854	6.568	ng	98
43) 2,4,6-Trichlorophenol	12.881	196	106537	8.482	ng	98

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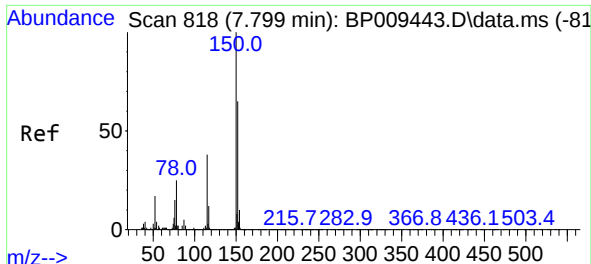
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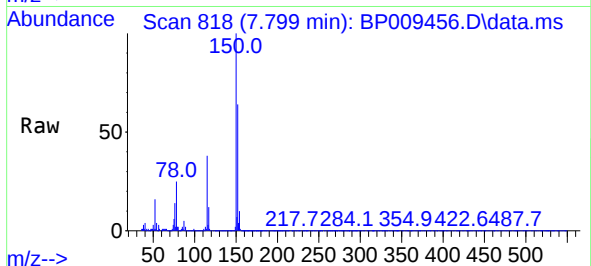
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.969	196	110986	8.137	ng	97
46) 1,1'-Biphenyl	13.275	154	426221	10.003	ng	98
47) 2-Chloronaphthalene	13.310	162	327812	9.772	ng	98
48) 2-Nitroaniline	13.522	65	77657	8.500	ng	95
49) Acenaphthylene	14.157	152	529332	10.222	ng	99
50) Dimethylphthalate	13.898	163	398521	9.209	ng	100
51) 2,6-Dinitrotoluene	14.016	165	82653	9.115	ng	97
52) Acenaphthene	14.504	154	299187	9.672	ng	100
53) 3-Nitroaniline	14.357	138	80760	8.432	ng	99
54) 2,4-Dinitrophenol	14.586	184	25019	5.023	ng	94
55) Dibenzofuran	14.839	168	494313	9.512	ng	99
56) 4-Nitrophenol	14.733	139	39098	5.477	ng	96
57) 2,4-Dinitrotoluene	14.810	165	109737	8.802	ng	96
58) Fluorene	15.492	166	390764	9.561	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.081	232	100448	8.123	ng	98
60) Diethylphthalate	15.269	149	390140	9.007	ng	100
61) 4-Chlorophenyl-phenyle...	15.486	204	206818	9.186	ng	99
62) 4-Nitroaniline	15.528	138	80342	7.988	ng	97
63) Azobenzene	15.781	77	345075	9.158	ng	98
65) 4,6-Dinitro-2-methylph...	15.592	198	45821	6.001	ng	94
66) n-Nitrosodiphenylamine	15.704	169	340228	9.682	ng	99
67) 4-Bromophenyl-phenylether	16.386	248	130319	8.969	ng	97
68) Hexachlorobenzene	16.510	284	155805	9.317	ng	95
69) Atrazine	16.669	200	121692	9.850	ng	96
70) Pentachlorophenol	16.875	266	63857	7.144	ng	91
71) Phenanthrene	17.245	178	619535	9.747	ng	99
72) Anthracene	17.339	178	630570	10.048	ng	99
73) Carbazole	17.616	167	558857	9.106	ng	98
74) Di-n-butylphthalate	18.174	149	634393	8.821	ng	99
75) Fluoranthene	19.227	202	749923	9.745	ng	98
77) Benzidine	19.416	184	410351	12.482	ng	99
78) Pyrene	19.580	202	793497	8.978	ng	99
80) Butylbenzylphthalate	20.463	149	304584	8.108	ng	94
81) Benzo(a)anthracene	21.298	228	847605	9.619	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	328345	9.646	ng	98
83) Chrysene	21.351	228	784411	9.401	ng	98
84) Bis(2-ethylhexyl)phtha...	21.233	149	458443	8.756	ng	100
85) Di-n-octyl phthalate	22.157	149	805451	8.925	ng	99
87) Indeno(1,2,3-cd)pyrene	26.215	276	1011327	8.968	ng	96
88) Benzo(b)fluoranthene	22.986	252	901438	10.159	ng	98
89) Benzo(k)fluoranthene	23.033	252	853860m	9.828	ng	
90) Benzo(a)pyrene	23.610	252	861454	11.347	ng	# 98
91) Dibenzo(a,h)anthracene	26.239	278	891721	9.488	ng	97
92) Benzo(g,h,i)perylene	26.986	276	885734	9.580	ng	# 95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 818
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

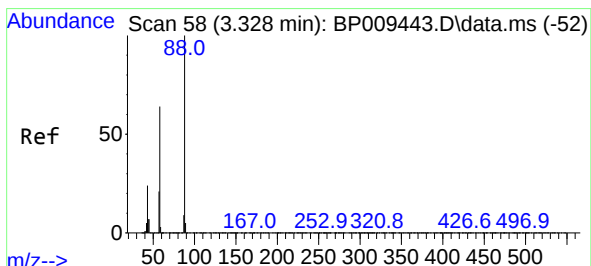
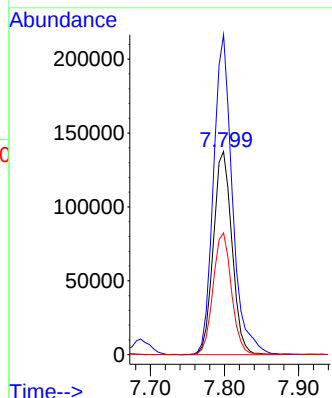
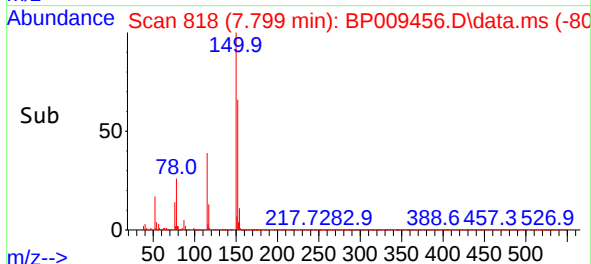
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



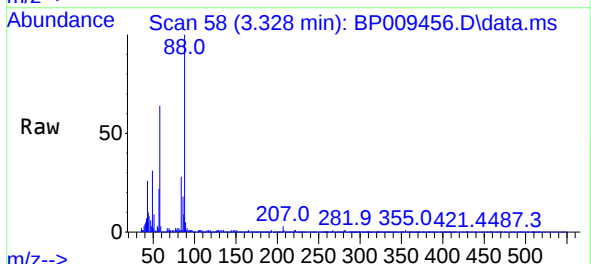
Tgt Ion:152 Resp: 239674
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 59.9 48.2 72.4

Manual Integrations
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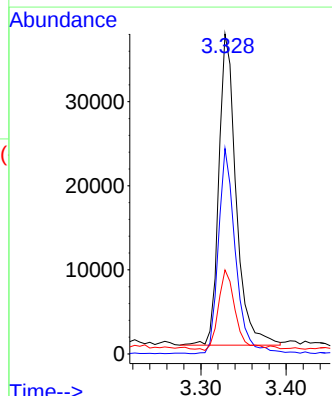
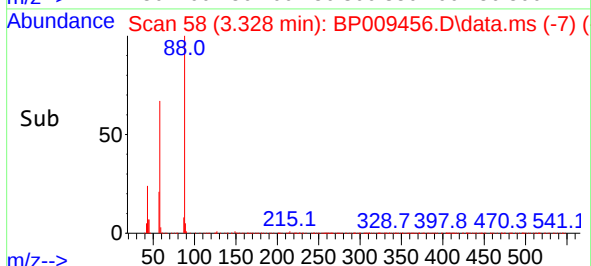
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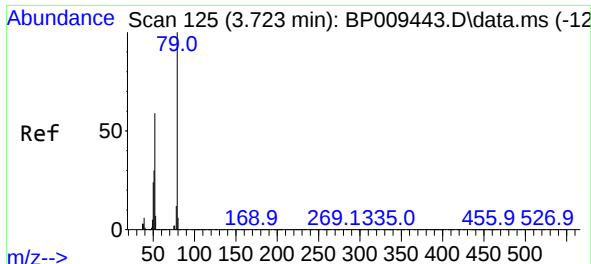


#2
1,4-Dioxane
Concen: 9.624 ng
RT: 3.328 min Scan# 58
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion: 88 Resp: 52330
Ion Ratio Lower Upper
88 100
58 65.3 54.2 81.2
43 24.3 20.4 30.6





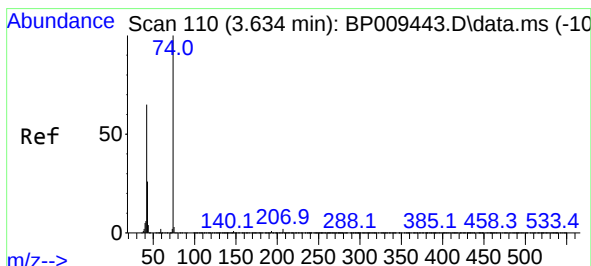
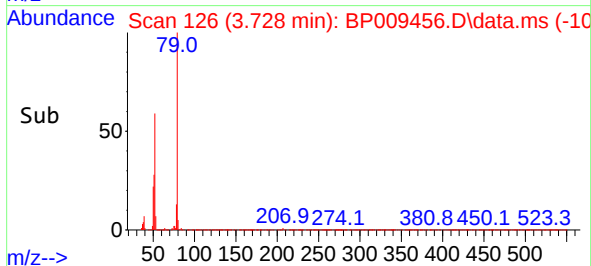
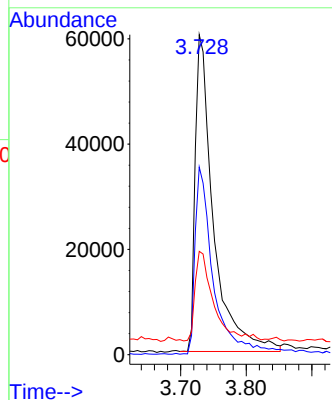
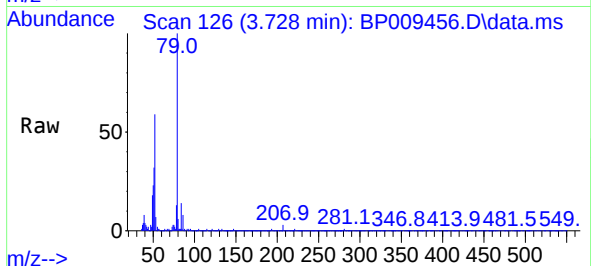
#3
Pyridine
Concen: 7.937 ng
RT: 3.728 min Scan# 110
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion: 79 Resp: 116230
Ion Ratio Lower Upper
79 100
52 58.7 47.5 71.3
51 32.3 24.1 36.1

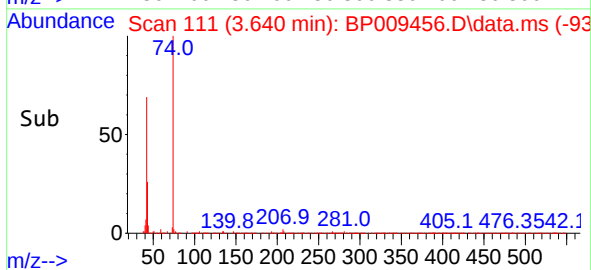
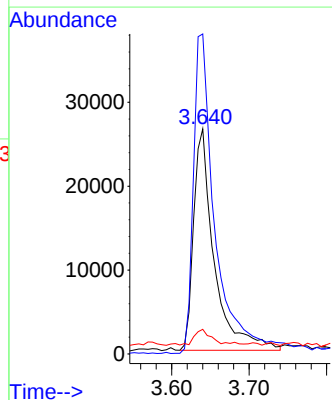
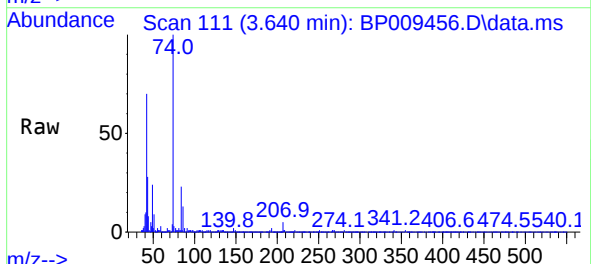
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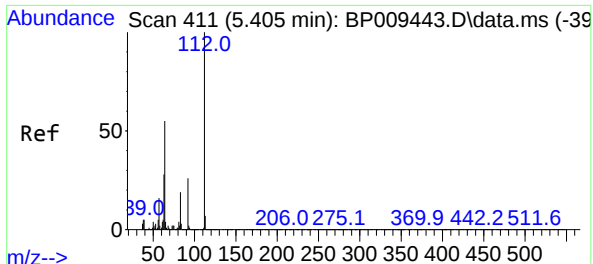
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#4
n-Nitrosodimethylamine
Concen: 9.027 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

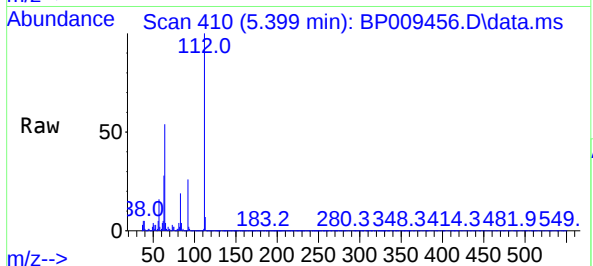
Tgt Ion: 42 Resp: 48682
Ion Ratio Lower Upper
42 100
74 142.1 122.1 183.1
44 10.9 5.8 8.8#





#5
2-Fluorophenol
Concen: 101.252 ng
RT: 5.399 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

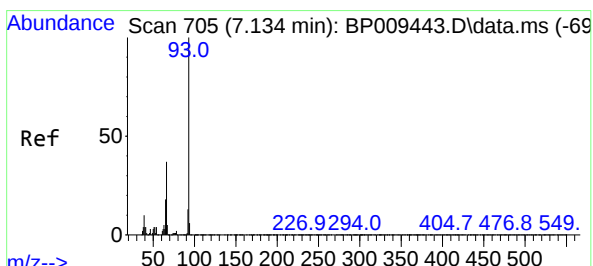
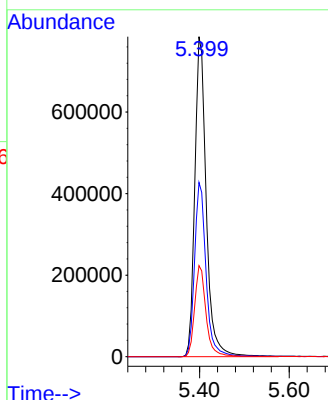
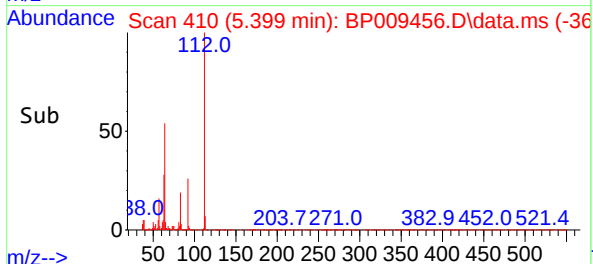
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:112 Resp: 1389949
Ion Ratio Lower Upper
112 100
64 54.5 45.0 67.4
63 28.4 23.0 34.6

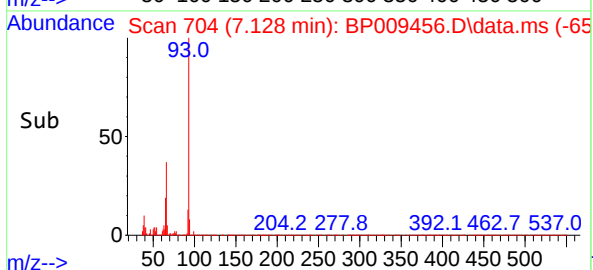
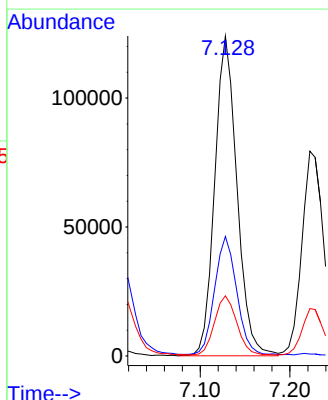
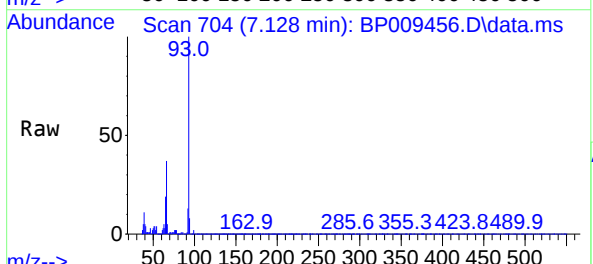
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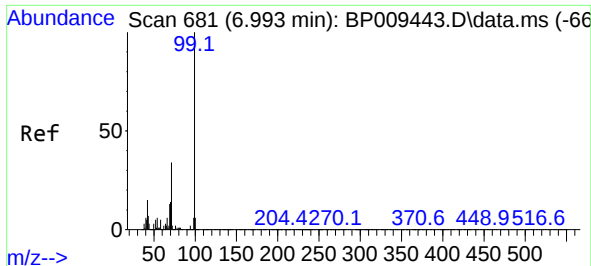
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#6
Aniline
Concen: 10.072 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion: 93 Resp: 213110
Ion Ratio Lower Upper
93 100
66 37.4 30.9 46.3
65 18.8 15.8 23.8





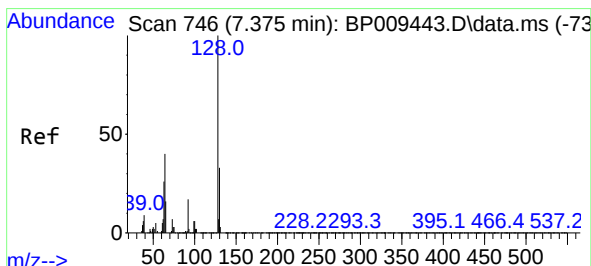
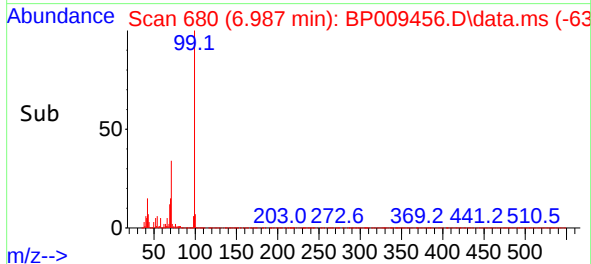
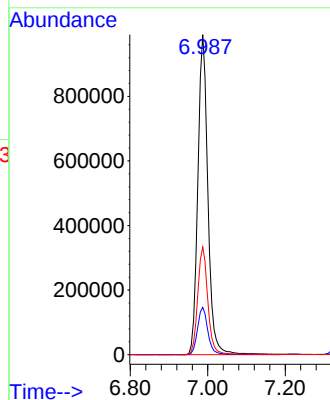
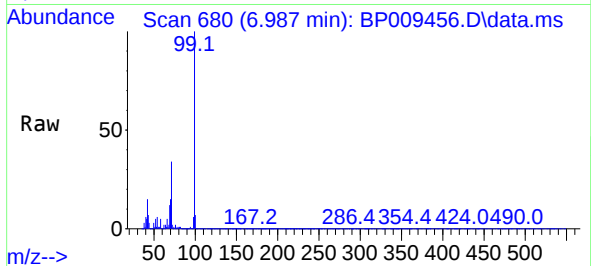
#7
Phenol-d6
Concen: 95.992 ng
RT: 6.987 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 178204
Ion Ratio Lower Upper
99 100
42 14.8 12.8 19.2
71 33.7 26.3 39.5

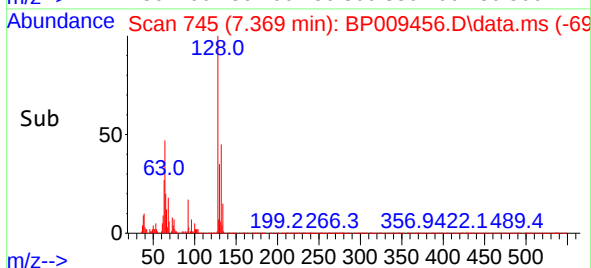
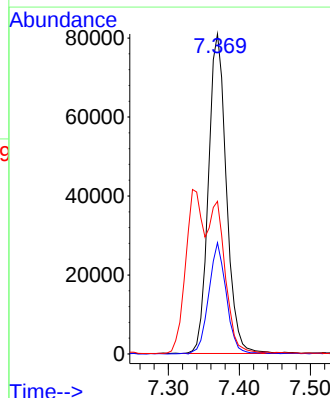
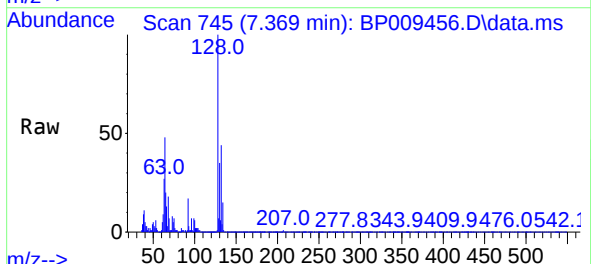
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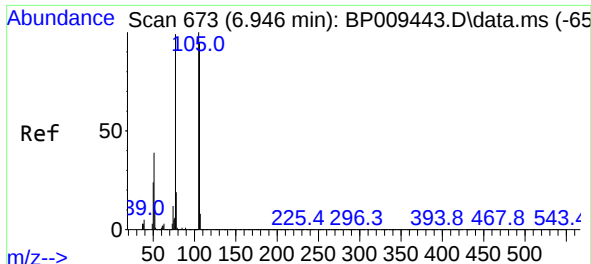
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#8
2-Chlorophenol
Concen: 9.100 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

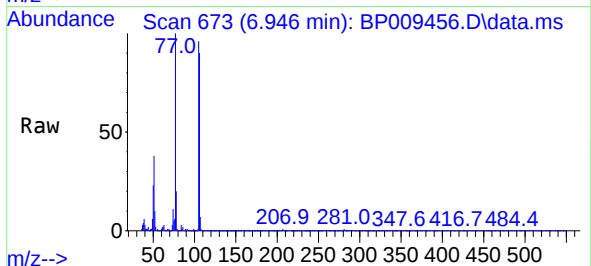
Tgt Ion:128 Resp: 142447
Ion Ratio Lower Upper
128 100
130 34.7 12.5 52.5
64 47.7 26.2 66.2





#9
Benzaldehyde
Concen: 12.560 ng m
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

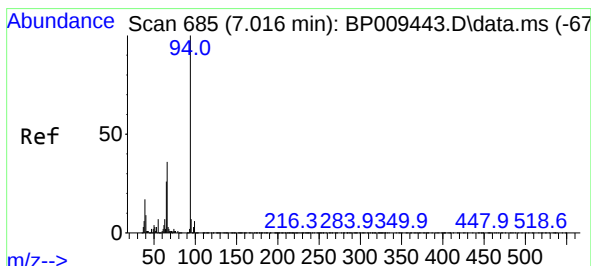
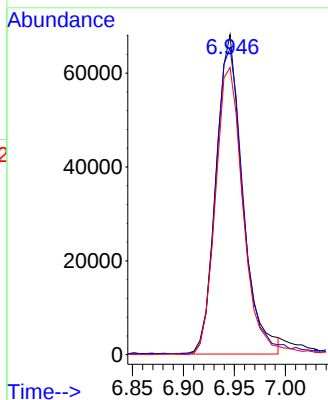
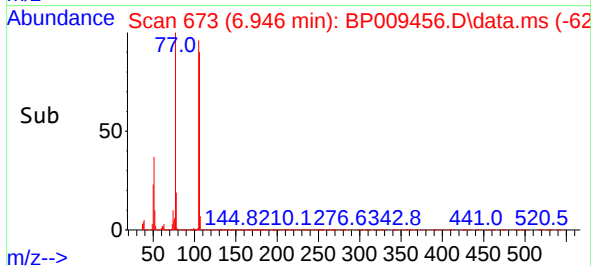
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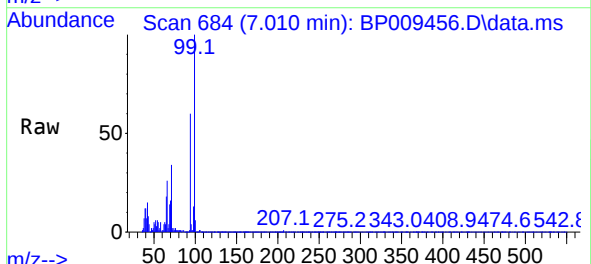
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Ion Ratio Lower Upper
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106 89.8 72.3 112.3

Manual Integrations
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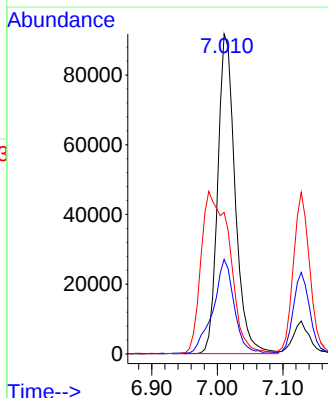
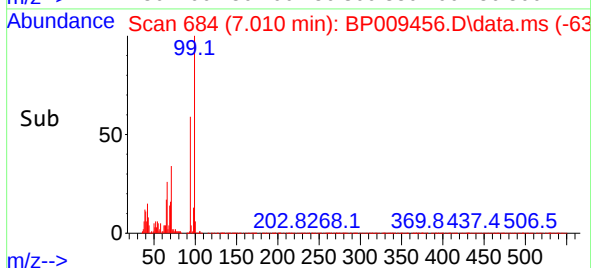
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

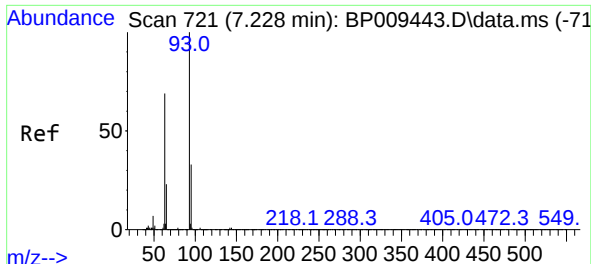


#10
Phenol
Concen: 9.052 ng
RT: 7.010 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



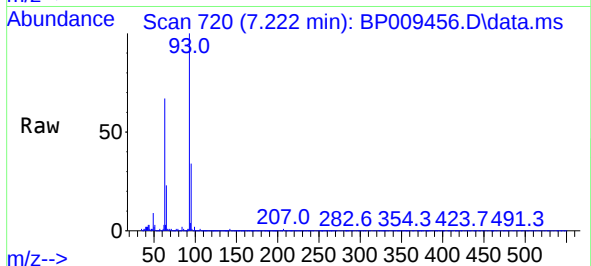
Tgt Ion: 94 Resp: 168600
Ion Ratio Lower Upper
94 100
65 29.5 7.2 47.2
66 44.2 14.3 54.3





#11
bis(2-Chloroethyl)ether
Concen: 9.395 ng
RT: 7.222 min Scan# 719
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

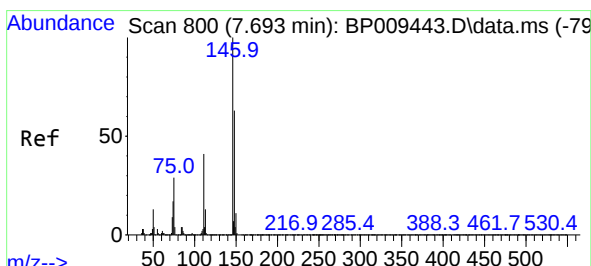
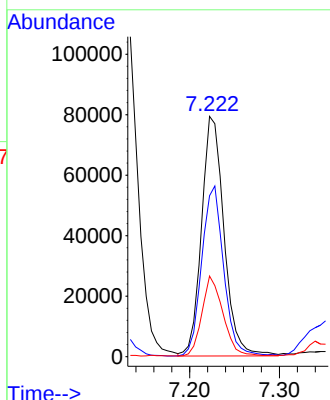
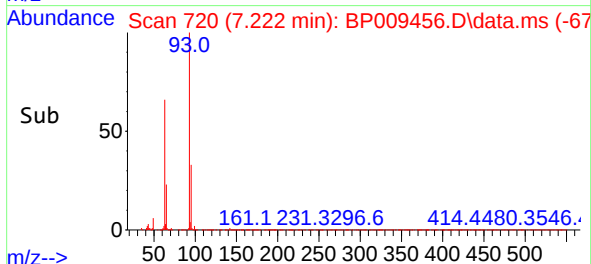
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



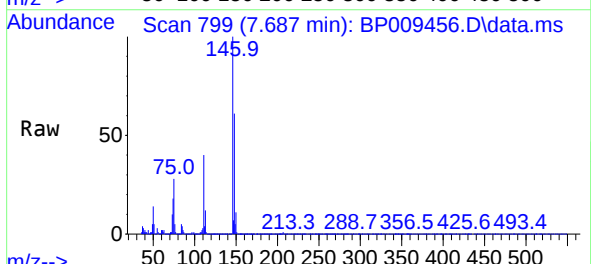
Tgt Ion: 93 Resp: 13848
Ion Ratio Lower Upper
93 100
63 66.9 53.5 93.5
95 33.6 12.0 52.0

Manual Integrations
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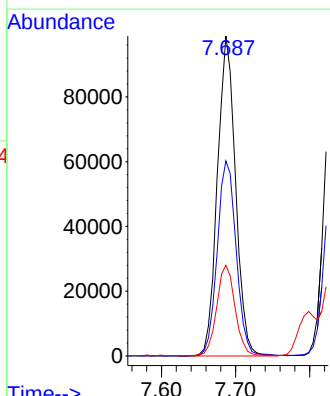
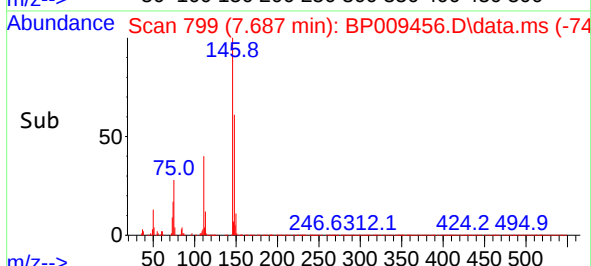
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

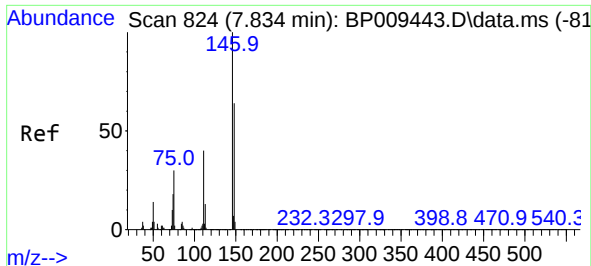


#12
1,3-Dichlorobenzene
Concen: 9.510 ng
RT: 7.687 min Scan# 799
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



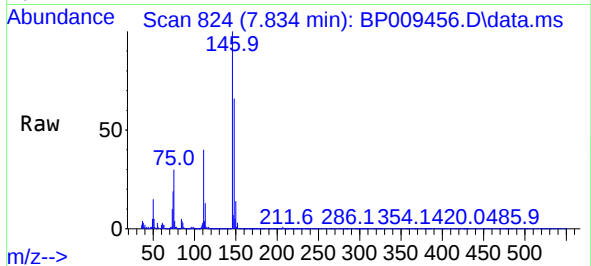
Tgt Ion:146 Resp: 168011
Ion Ratio Lower Upper
146 100
148 61.0 51.4 77.0
75 28.3 25.3 37.9





#13
1,4-Dichlorobenzene
Concen: 9.387 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

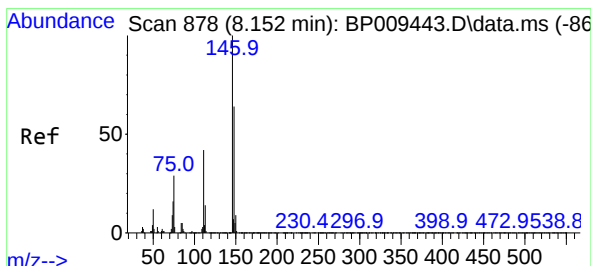
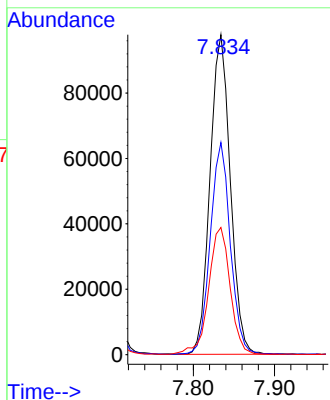
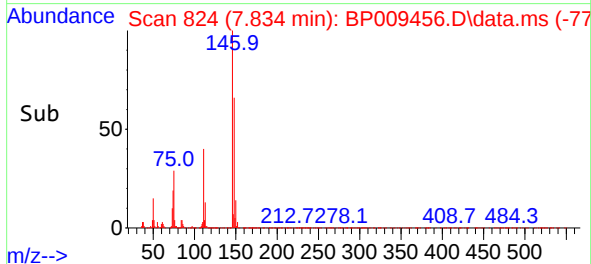
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



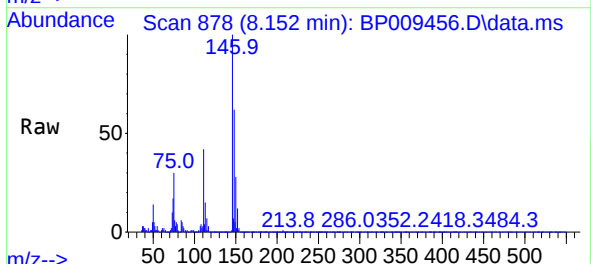
Tgt Ion:146 Resp: 16956
Ion Ratio Lower Upper
146 100
148 66.3 51.1 76.7
111 39.8 32.1 48.1

Manual Integrations
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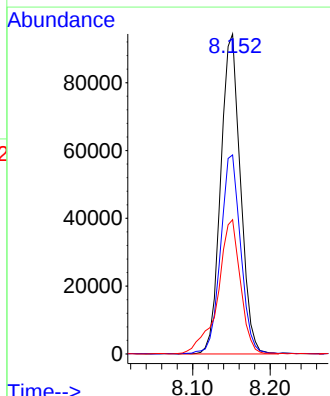
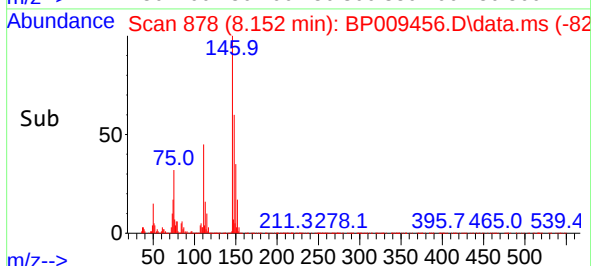
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

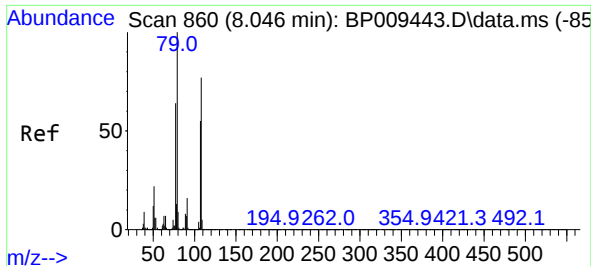


#14
1,2-Dichlorobenzene
Concen: 9.538 ng
RT: 8.152 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



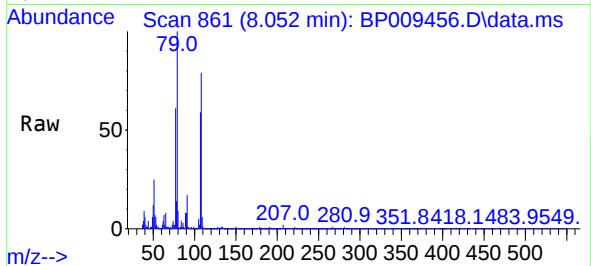
Tgt Ion:146 Resp: 166534
Ion Ratio Lower Upper
146 100
148 62.2 50.9 76.3
111 42.0 34.1 51.1





#15
Benzyl Alcohol
Concen: 8.980 ng m
RT: 8.052 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

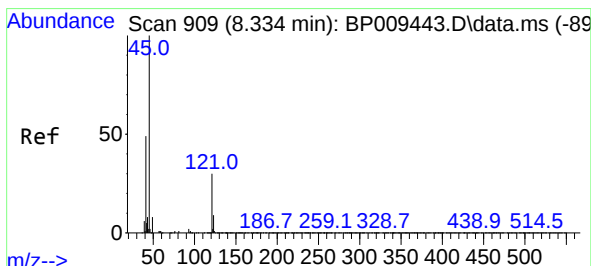
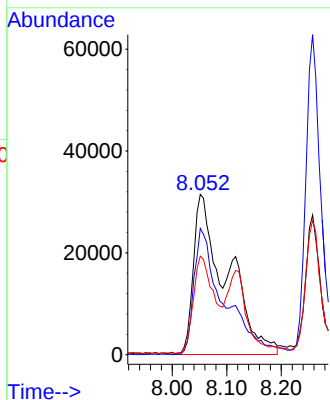
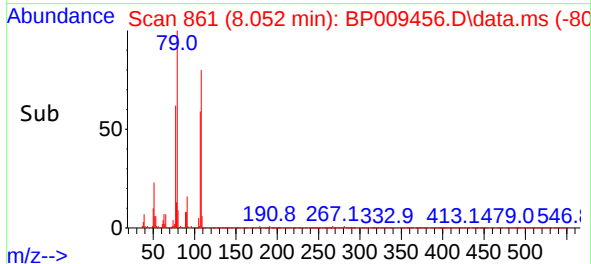
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



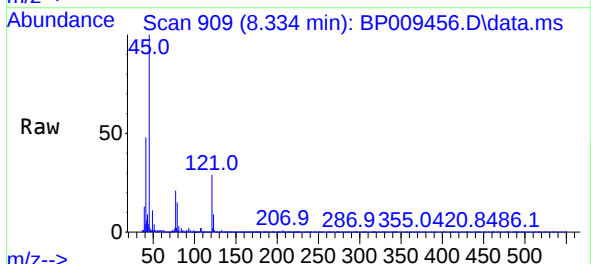
Tgt Ion: 79 Resp: 132924
Ion Ratio Lower Upper
79 100
108 78.8 62.5 93.7
77 61.5 51.7 77.5

Manual Integrations
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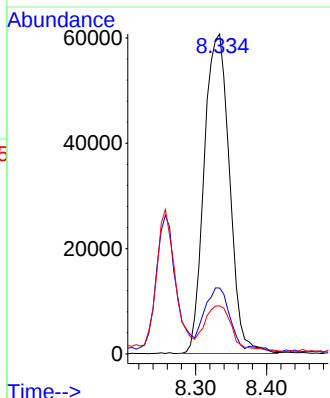
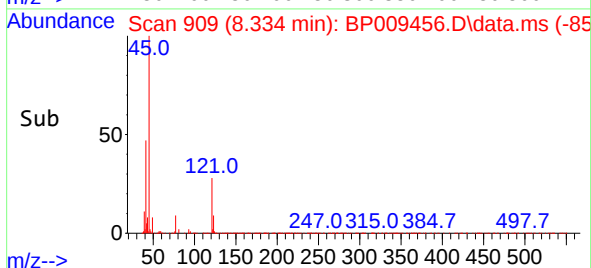
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

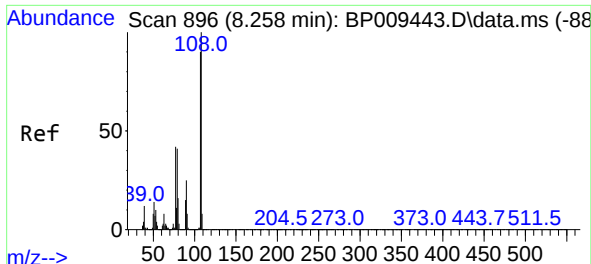


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.408 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



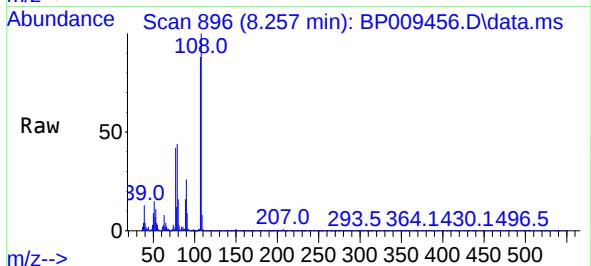
Tgt Ion: 45 Resp: 150319
Ion Ratio Lower Upper
45 100
77 20.6 0.0 36.5
79 15.0 0.0 32.4





#17
2-Methylphenol
Concen: 8.632 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Instrument : BNA_P
Client SampleId : LOQ-SOIL-02-QT1-2022

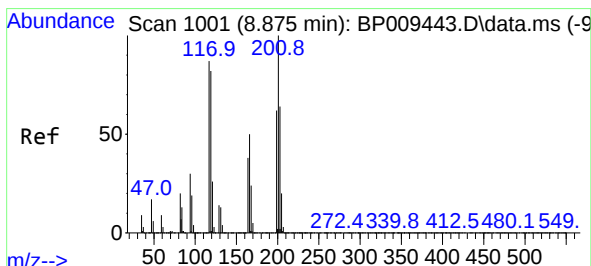
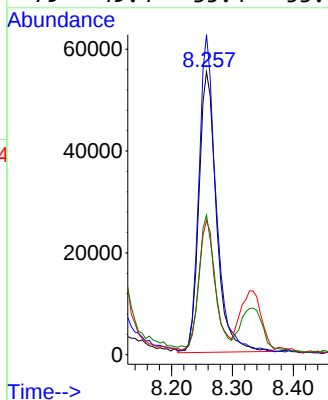
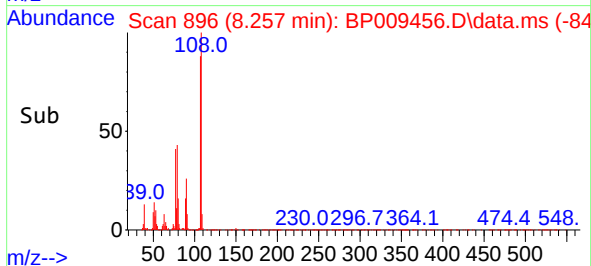


Tgt Ion:107 Resp: 110784

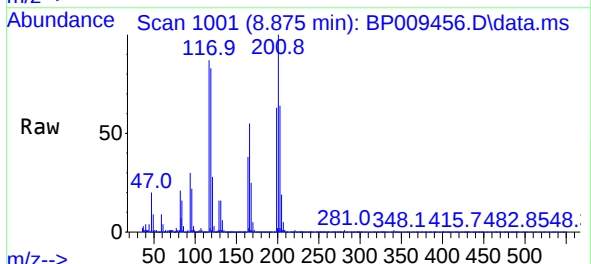
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	47.4	36.3	54.5
79	49.4	35.4	53.0

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Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

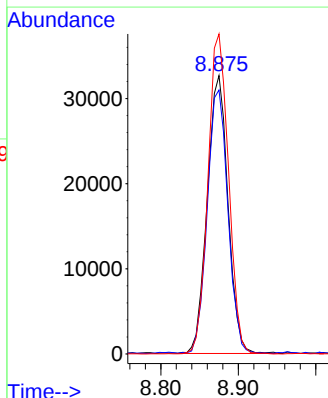
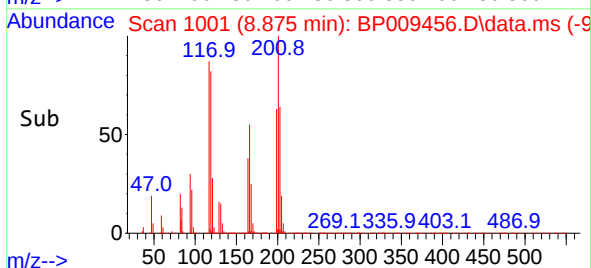


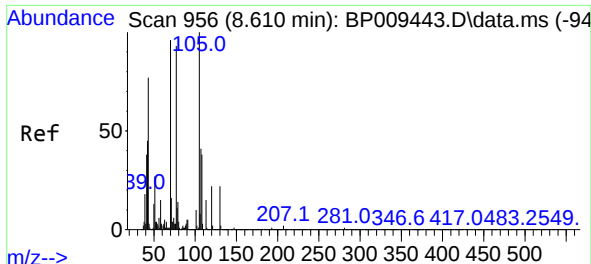
#18
Hexachloroethane
Concen: 9.616 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion:117 Resp: 60876

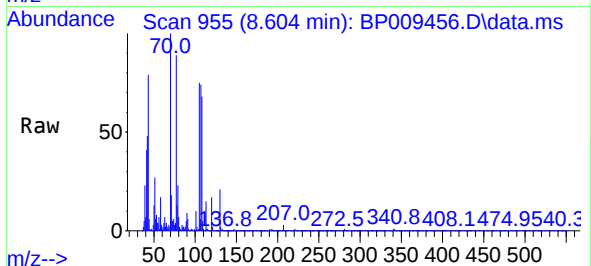
Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.4	114.6
201	114.9	83.4	125.2





#19
n-Nitroso-di-n-propylamine
Concen: 8.948 ng
RT: 8.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

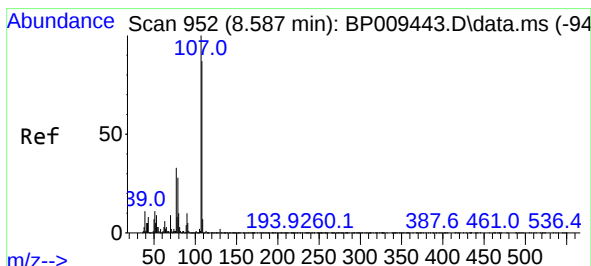
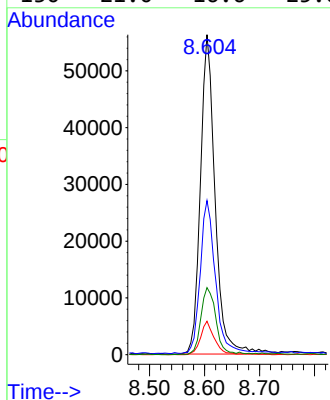
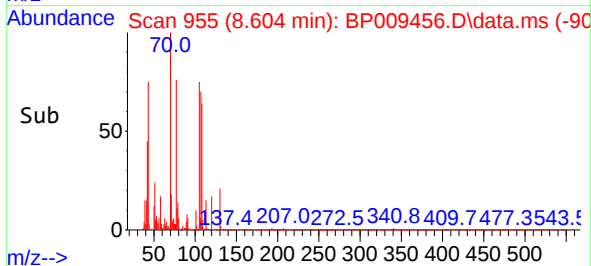
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



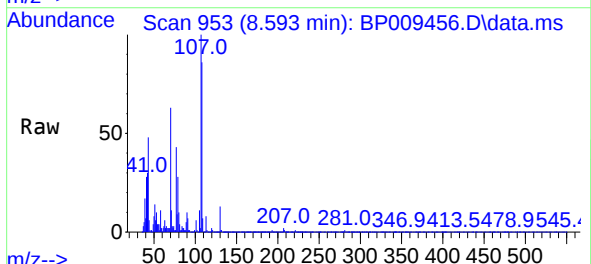
Tgt Ion: 70 Resp: 10506
Ion Ratio Lower Upper
70 100
42 48.1 41.0 61.4
101 10.5 7.9 11.9
130 21.0 16.6 25.0

Manual Integrations
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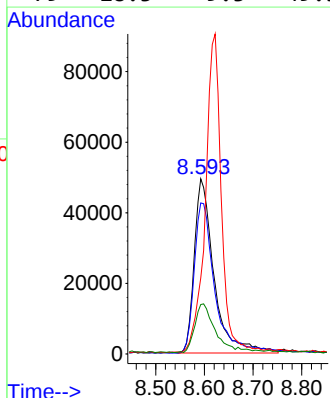
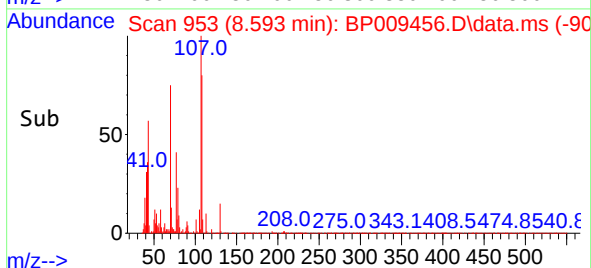
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

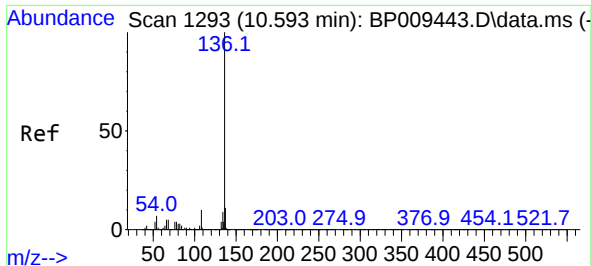


#20
3+4-Methylphenols
Concen: 7.899 ng
RT: 8.593 min Scan# 953
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



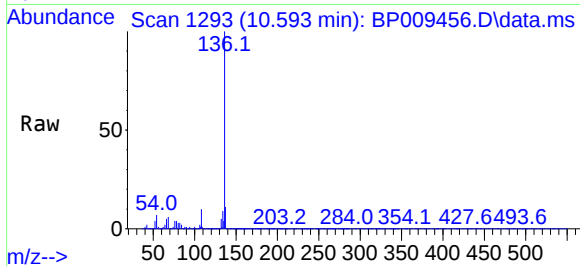
Tgt Ion:107 Resp: 139396
Ion Ratio Lower Upper
107 100
108 86.2 69.4 109.4
77 43.4 13.6 53.6
79 28.3 9.3 49.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

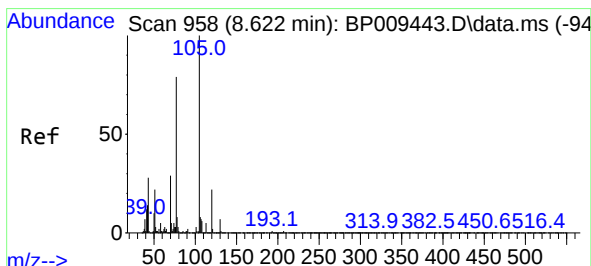
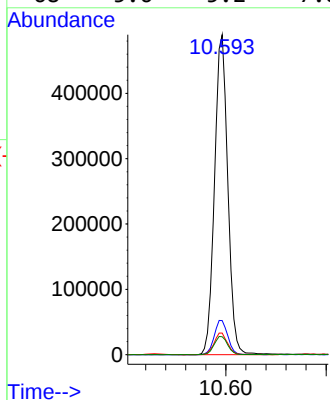
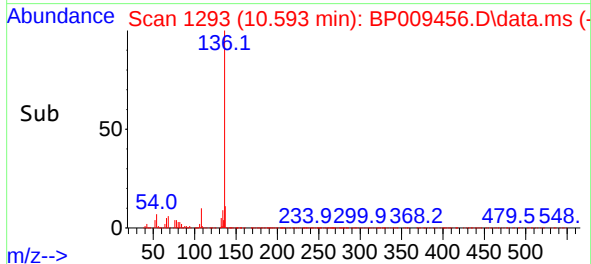
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



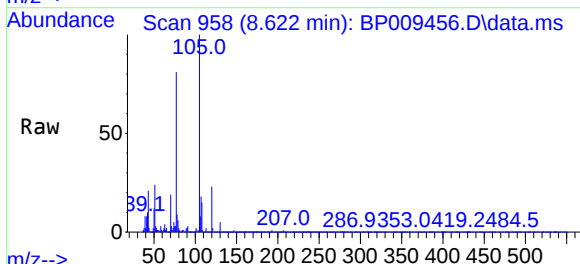
Tgt Ion:136 Resp: 896168
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.7 5.8 8.8
68 5.6 5.2 7.8

Manual Integrations
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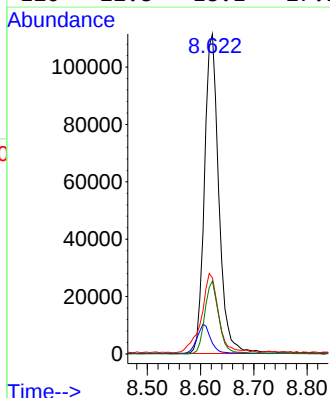
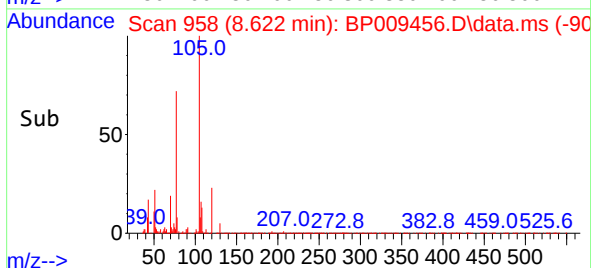
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

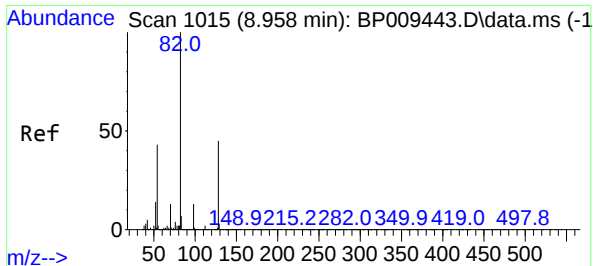


#22
Acetophenone
Concen: 9.432 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



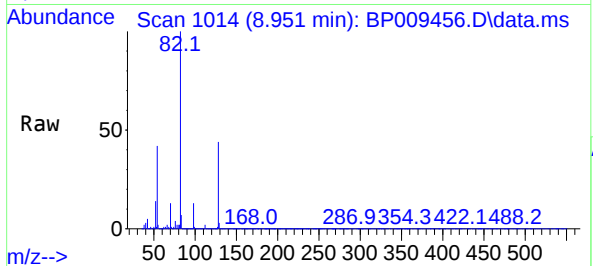
Tgt Ion:105 Resp: 209206
Ion Ratio Lower Upper
105 100
71 3.4 5.5 8.3#
51 23.8 18.9 28.3
120 22.8 18.1 27.1





#23
Nitrobenzene-d5
Concen: 68.144 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

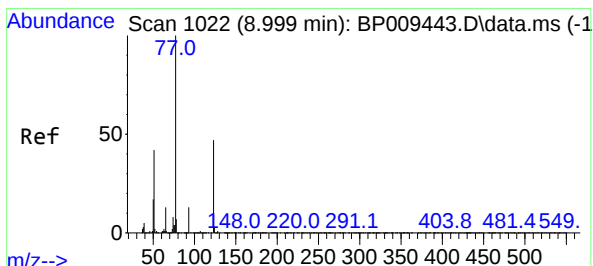
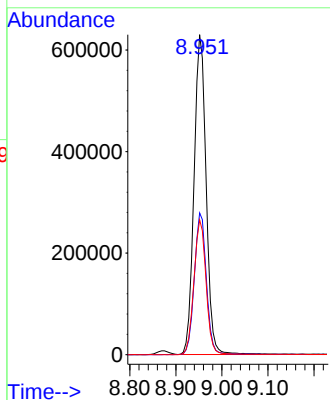
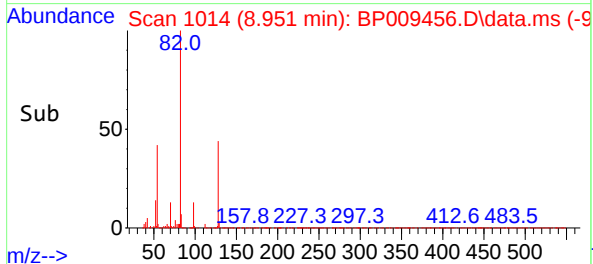
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



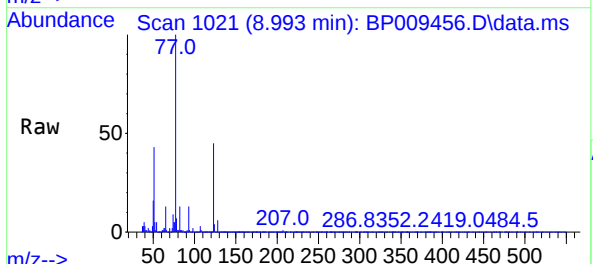
Tgt Ion: 82 Resp: 114918
Ion Ratio Lower Upper
82 100
128 44.3 34.2 51.4
54 42.2 34.7 52.1

Manual Integrations
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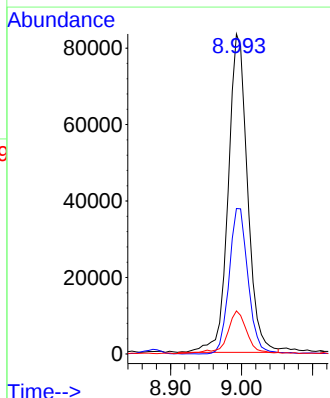
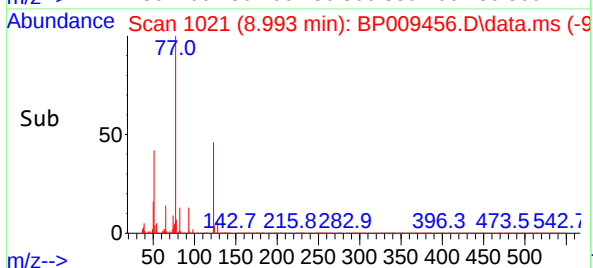
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

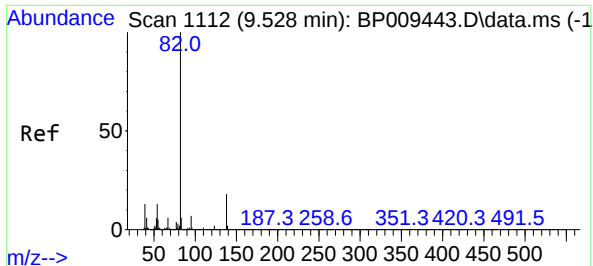


#24
Nitrobenzene
Concen: 9.898 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion: 77 Resp: 157678
Ion Ratio Lower Upper
77 100
123 45.5 35.5 53.3
65 13.5 10.3 15.5





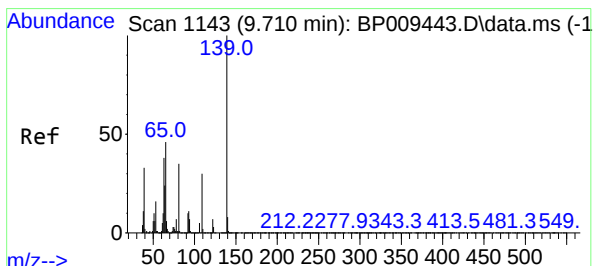
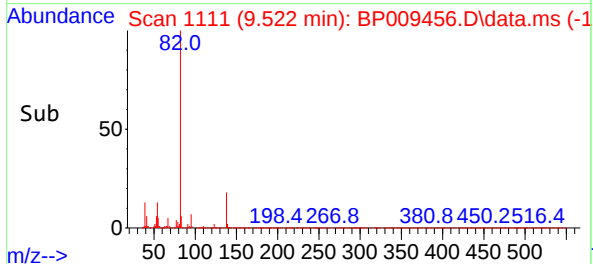
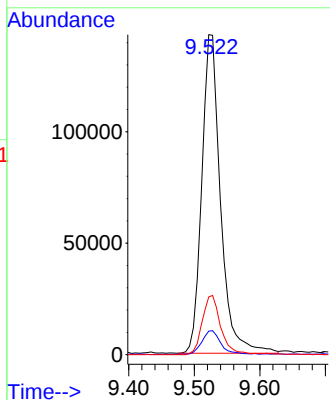
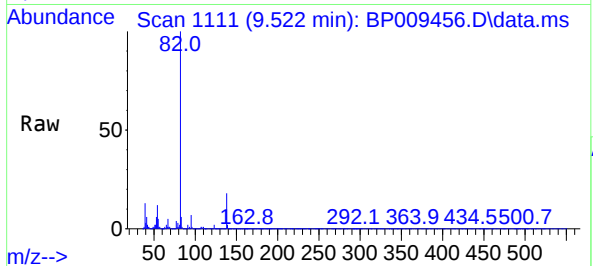
#25
Isophorone
Concen: 9.913 ng
RT: 9.522 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion: 82 Resp: 28516
Ion Ratio Lower Upper
82 100
95 7.4 5.5 8.3
138 18.1 13.8 20.8

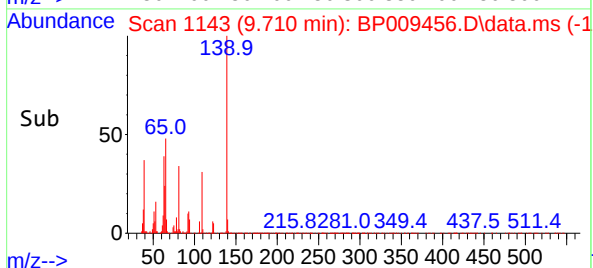
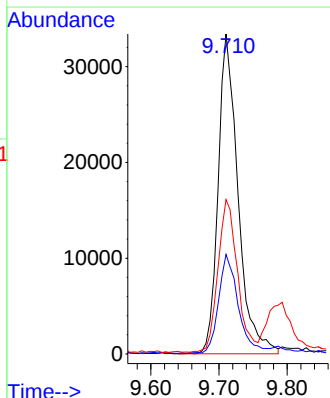
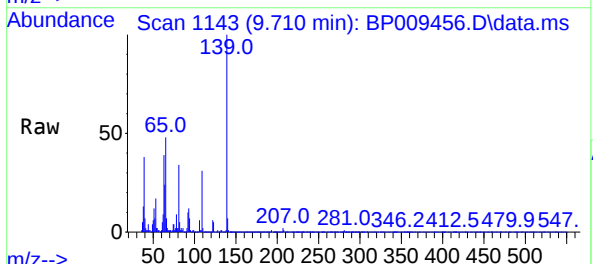
Manual Integrations
APPROVED

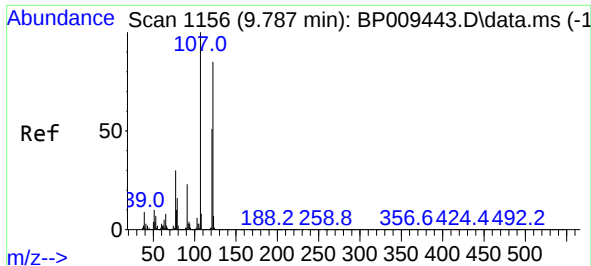
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#26
2-Nitrophenol
Concen: 8.151 ng
RT: 9.710 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

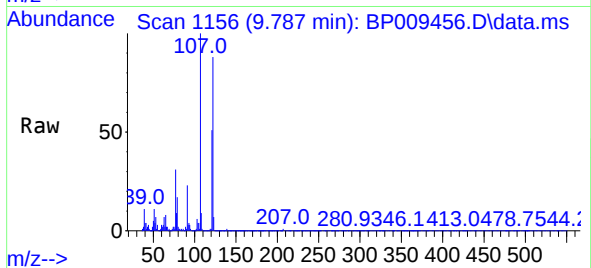
Tgt Ion:139 Resp: 67685
Ion Ratio Lower Upper
139 100
109 31.1 23.4 35.0
65 48.2 41.0 61.6





#27
2,4-Dimethylphenol
Concen: 10.311 ng
RT: 9.787 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

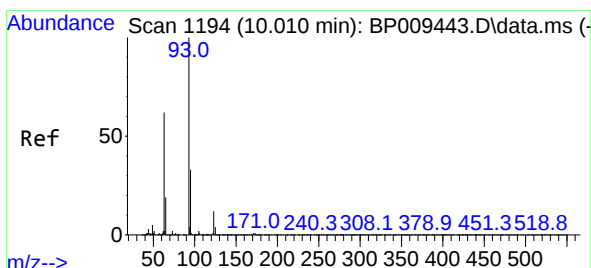
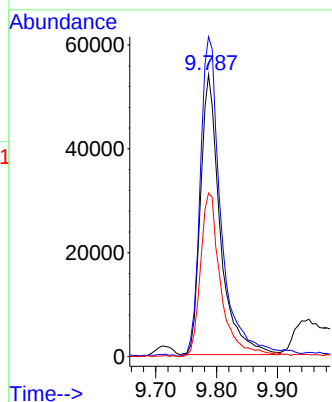
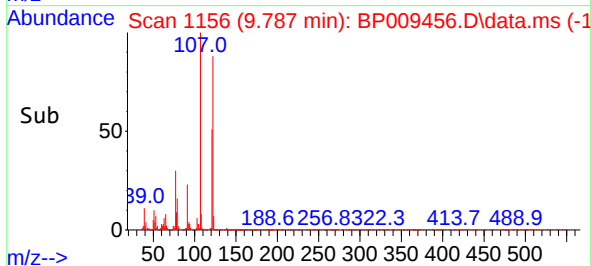
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



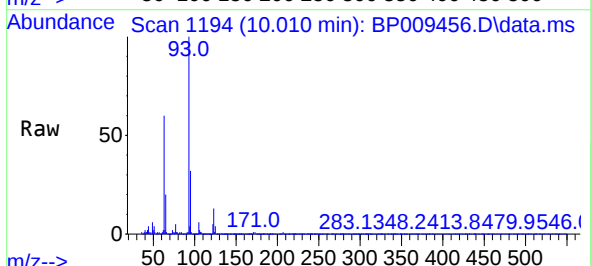
Tgt Ion:122 Resp: 12081
Ion Ratio Lower Upper
122 100
107 113.4 92.6 138.8
121 58.0 46.7 70.1

Manual Integrations
APPROVED

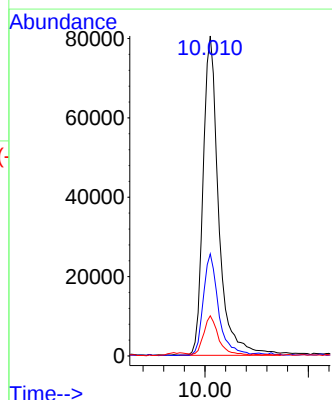
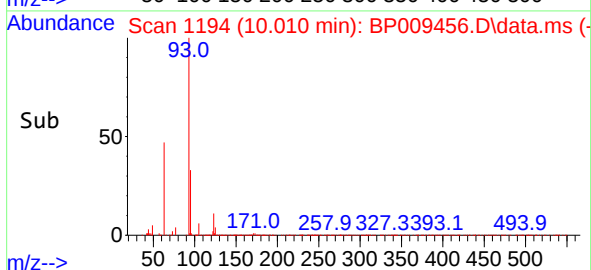
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

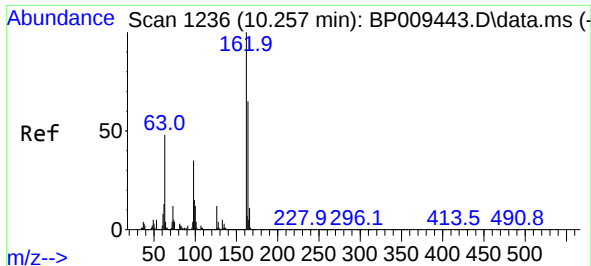


#28
bis(2-Chloroethoxy)methane
Concen: 9.012 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion: 93 Resp: 168784
Ion Ratio Lower Upper
93 100
95 31.9 25.5 38.3
123 12.6 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 8.212 ng

RT: 10.269 min Scan# 11737

Delta R.T. 0.012 min

Lab File: BP009456.D

Acq: 18 Mar 2022 14:20

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2022

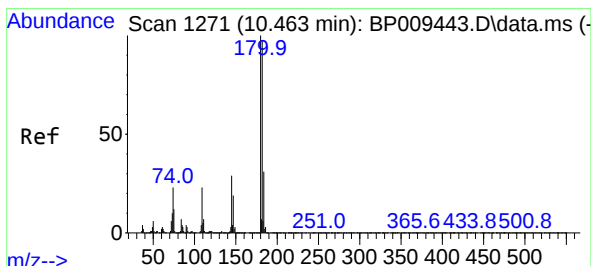
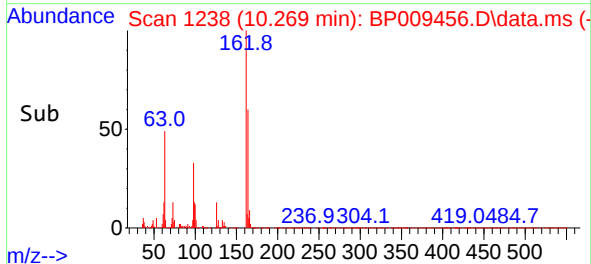
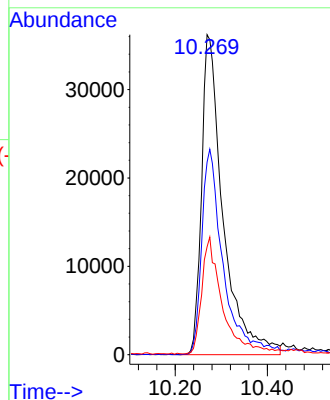
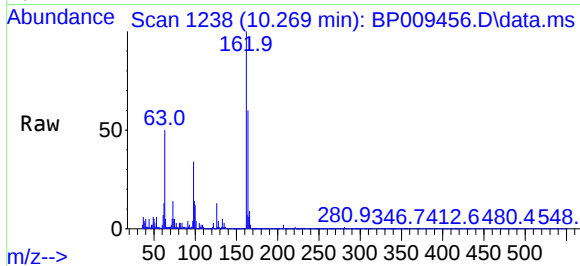
Tgt Ion:	162	Resp:	11737
Ion Ratio	Lower	Upper	
162	100		
164	60.2	44.3	84.3
98	33.7	15.6	55.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#30

1,2,4-Trichlorobenzene

Concen: 9.425 ng

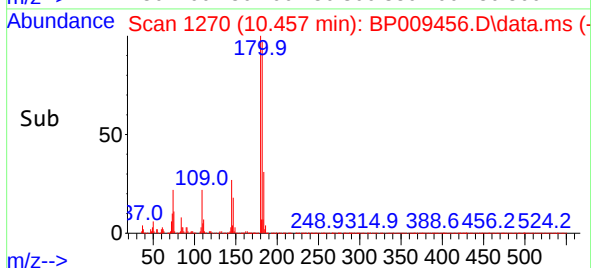
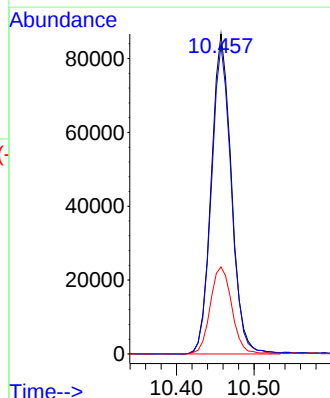
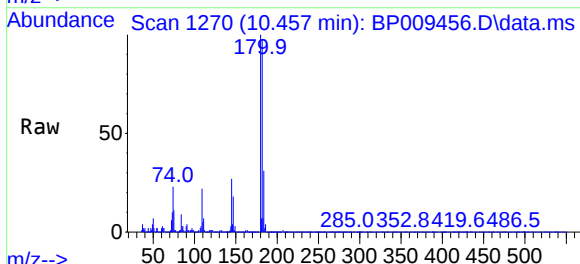
RT: 10.457 min Scan# 1270

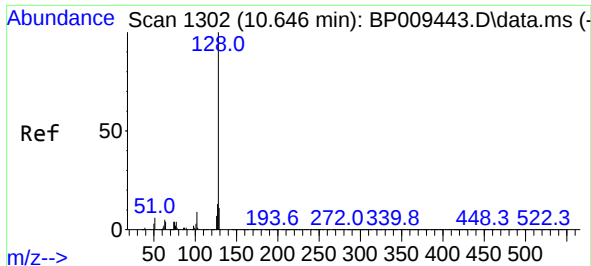
Delta R.T. -0.006 min

Lab File: BP009456.D

Acq: 18 Mar 2022 14:20

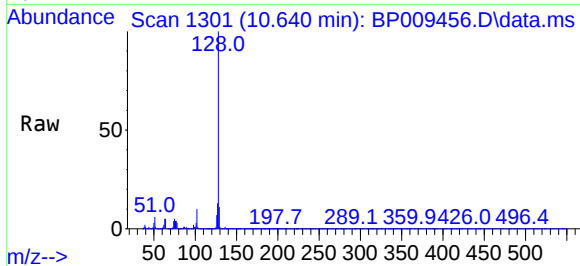
Tgt Ion:	180	Resp:	156072
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.4	114.6
145	27.2	23.8	35.6





#31
Naphthalene
Concen: 9.752 ng
RT: 10.640 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

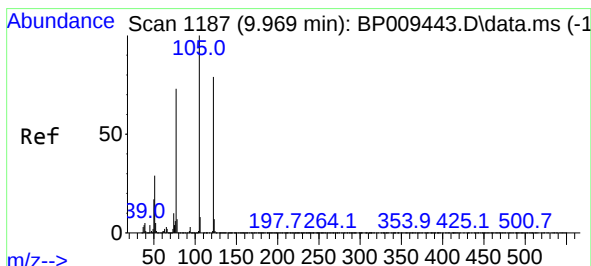
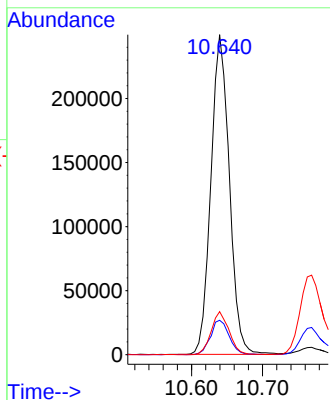
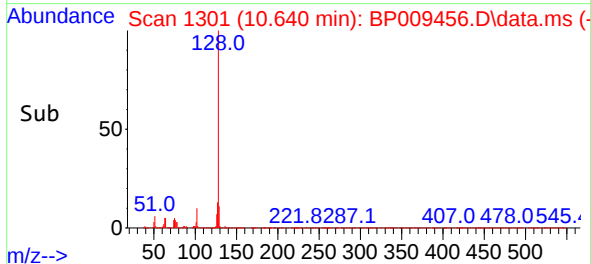
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 45016
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.5 10.5 15.7

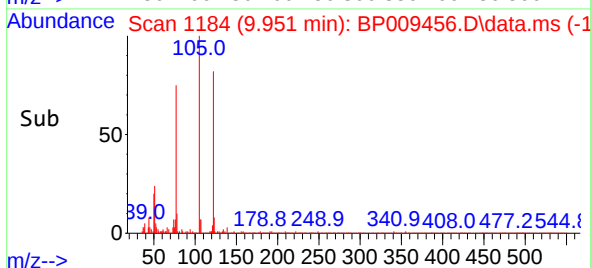
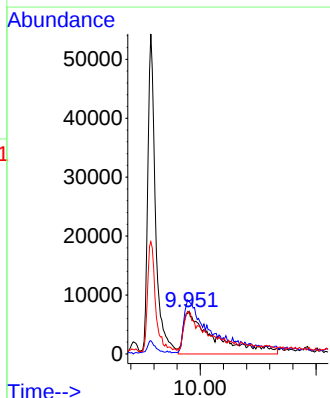
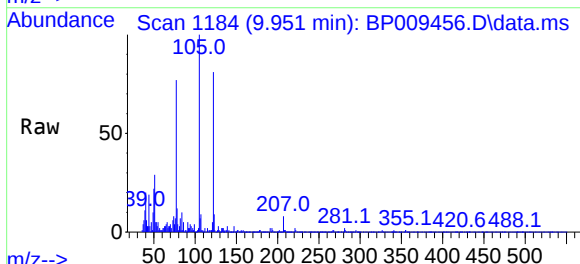
Manual Integrations
APPROVED

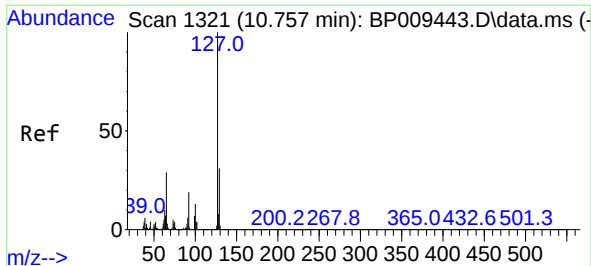
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#32
Benzoic acid
Concen: 7.254 ng m
RT: 9.951 min Scan# 1184
Delta R.T. -0.018 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

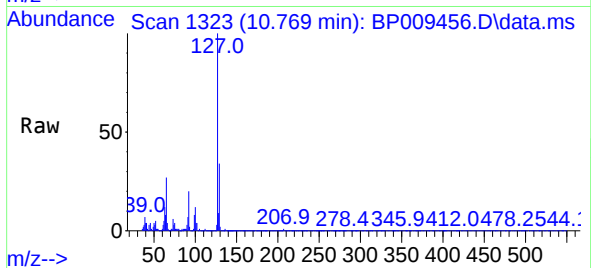
Tgt Ion:122 Resp: 66454
Ion Ratio Lower Upper
122 100
105 124.1 110.5 150.5
77 95.6 79.9 119.9





#33
4-Chloroaniline
Concen: 8.182 ng
RT: 10.769 min Scan# 1321
Delta R.T. 0.012 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

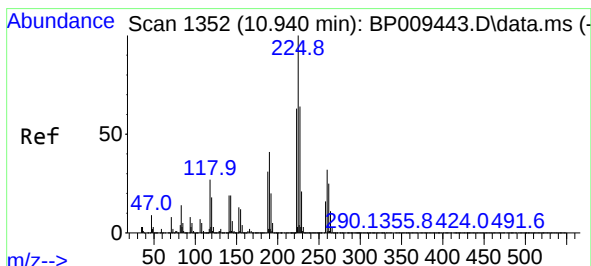
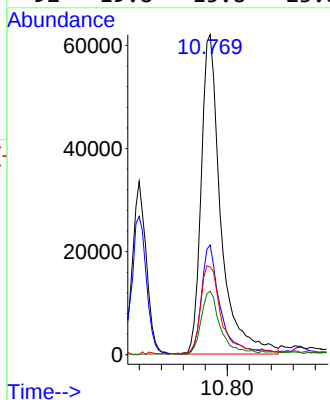
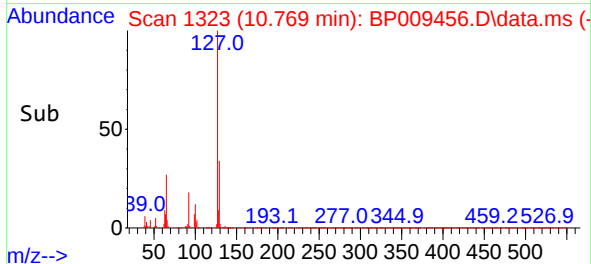
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:127 Resp: 154120
Ion Ratio Lower Upper
127 100
129 34.2 25.5 38.3
65 27.4 24.3 36.5
92 19.8 15.8 23.8

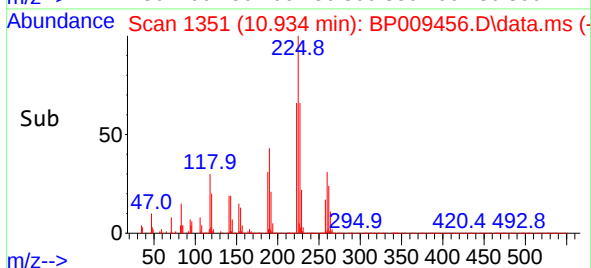
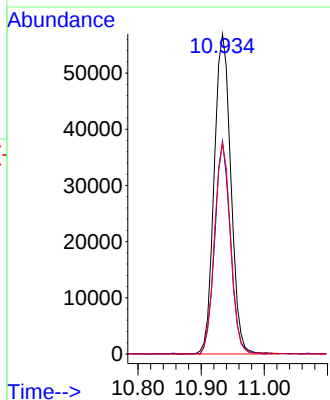
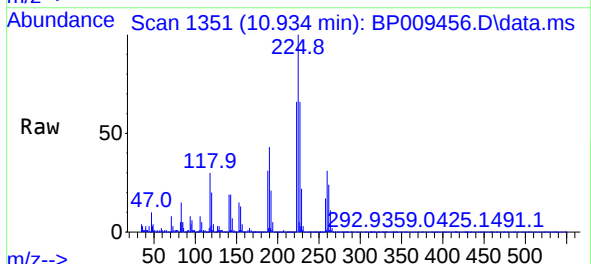
Manual Integrations
APPROVED

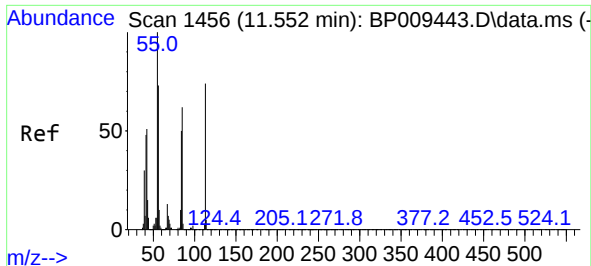
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#34
Hexachlorobutadiene
Concen: 9.282 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

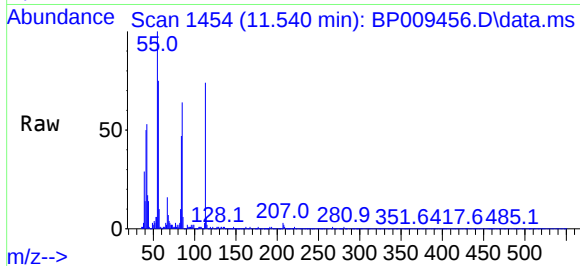
Tgt Ion:225 Resp: 104140
Ion Ratio Lower Upper
225 100
223 66.4 50.5 75.7
227 65.8 51.2 76.8





#35
Caprolactam
Concen: 8.260 ng
RT: 11.540 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

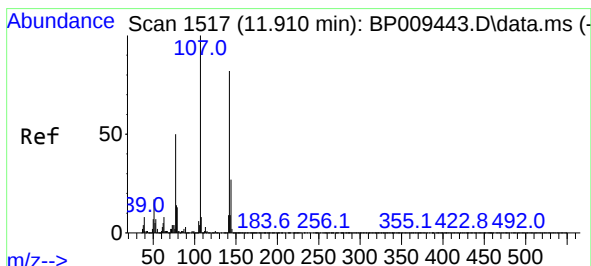
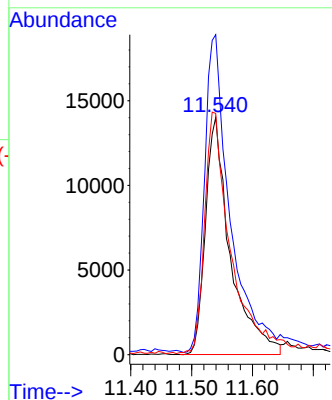
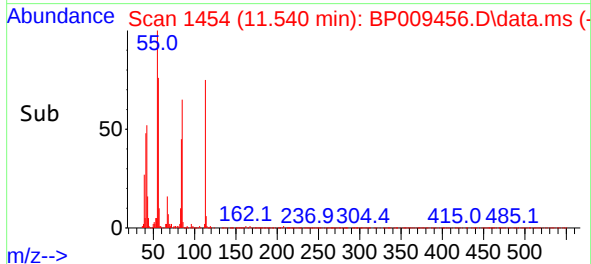
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



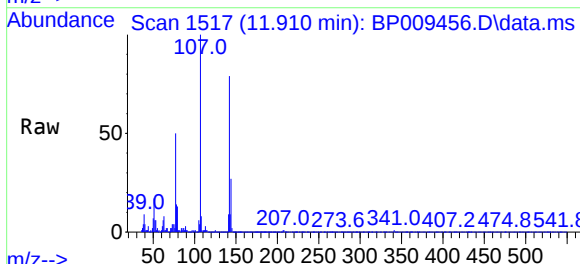
Tgt Ion:113 Resp: 3984
Ion Ratio Lower Upper
113 100
55 134.8 128.4 168.4
56 101.6 90.9 130.9

Manual Integrations
APPROVED

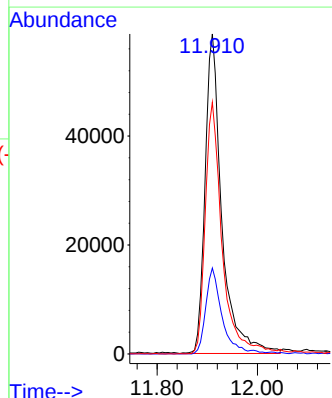
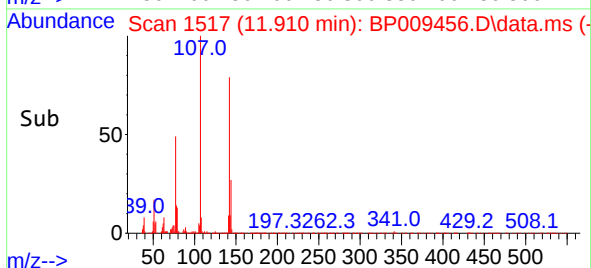
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

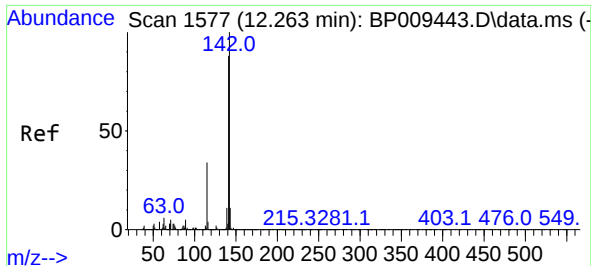


#36
4-Chloro-3-methylphenol
Concen: 8.875 ng
RT: 11.910 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



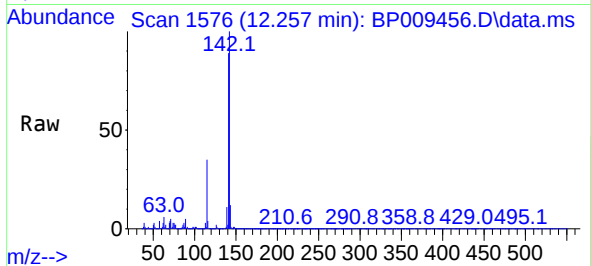
Tgt Ion:107 Resp: 136304
Ion Ratio Lower Upper
107 100
144 26.8 21.0 31.4
142 78.7 64.9 97.3





#37
2-Methylnaphthalene
Concen: 9.322 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

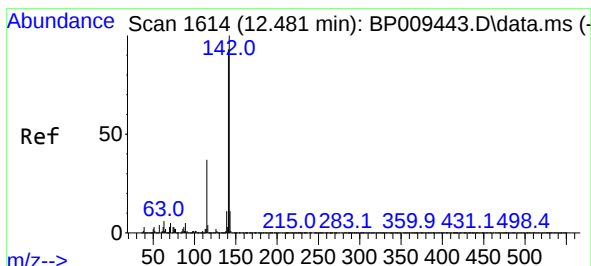
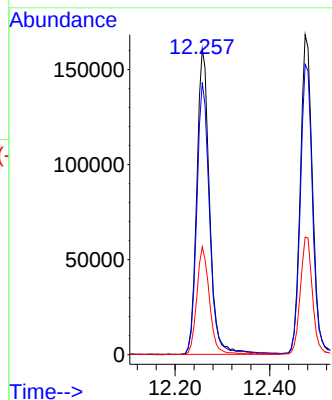
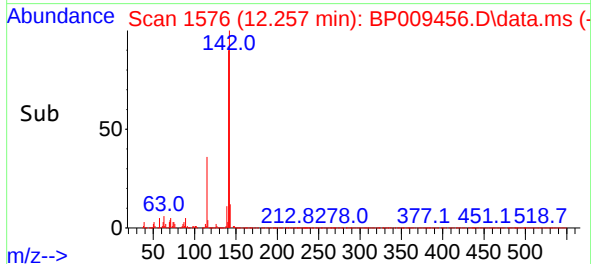
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



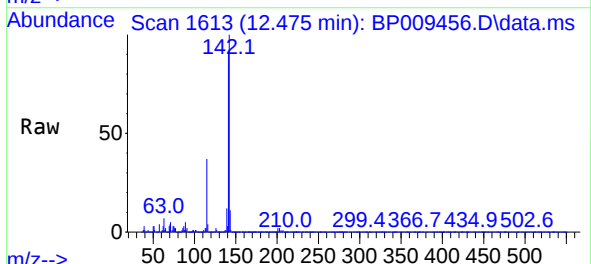
Tgt Ion:142 Resp: 30193
Ion Ratio Lower Upper
142 100
141 89.0 70.2 105.4
115 35.3 27.4 41.2

Manual Integrations
APPROVED

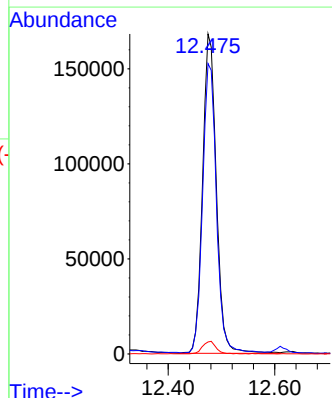
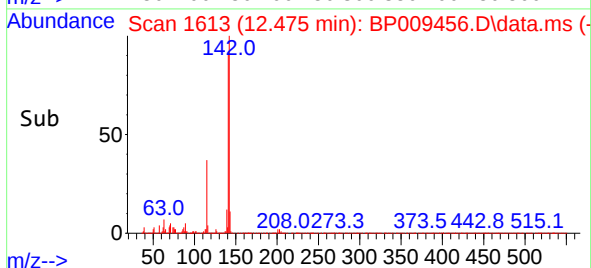
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

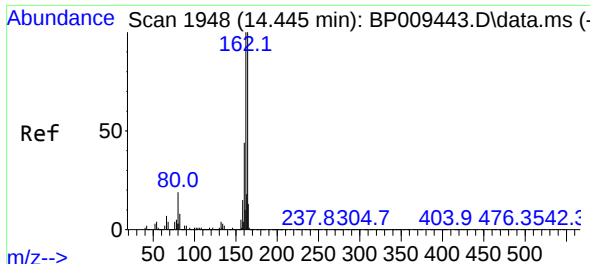


#38
1-Methylnaphthalene
Concen: 9.530 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



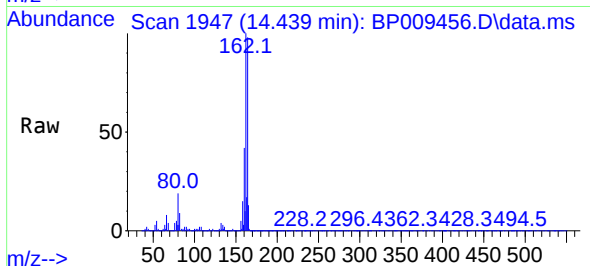
Tgt Ion:142 Resp: 300690
Ion Ratio Lower Upper
142 100
141 90.8 73.5 110.3
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

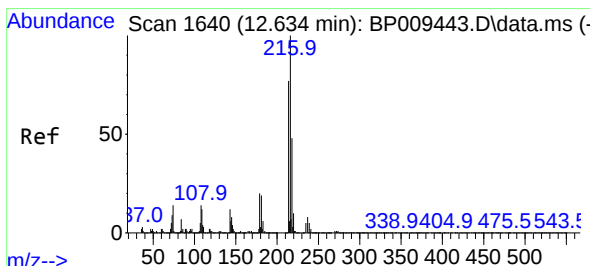
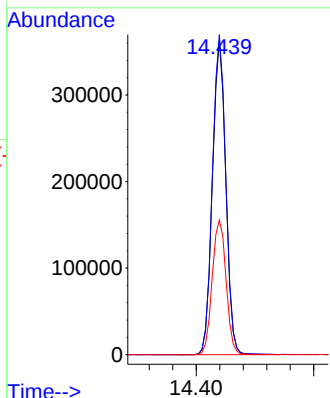
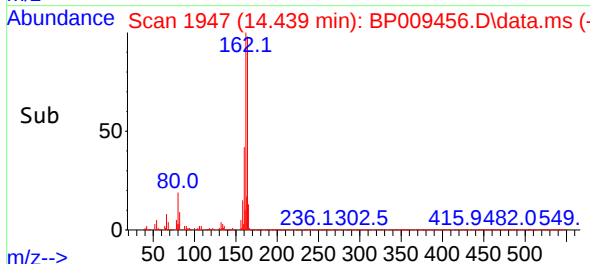
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:164 Resp: 571140
Ion Ratio Lower Upper
164 100
162 102.0 79.1 118.7
160 42.9 34.9 52.3

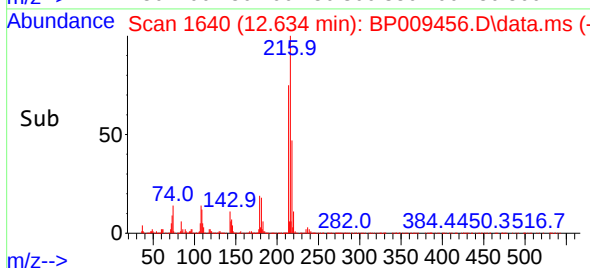
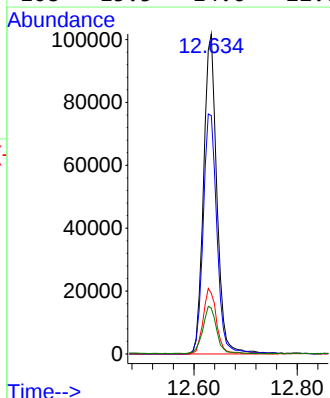
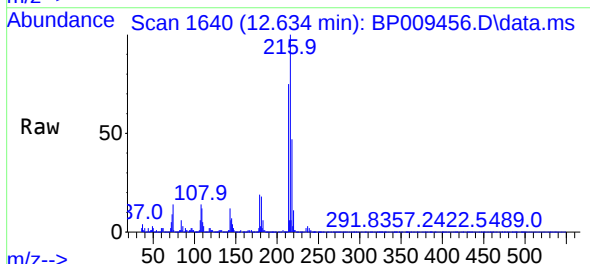
Manual Integrations
APPROVED

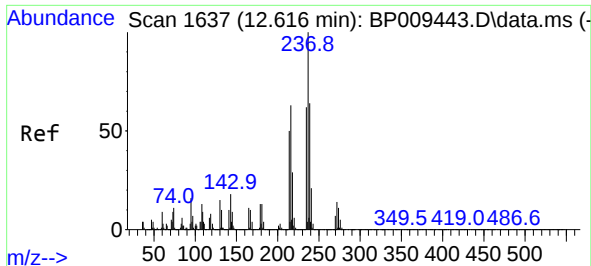
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.565 ng
RT: 12.634 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion:216 Resp: 181265
Ion Ratio Lower Upper
216 100
214 78.1 62.3 93.5
179 20.6 16.8 25.2
108 15.5 14.6 22.0





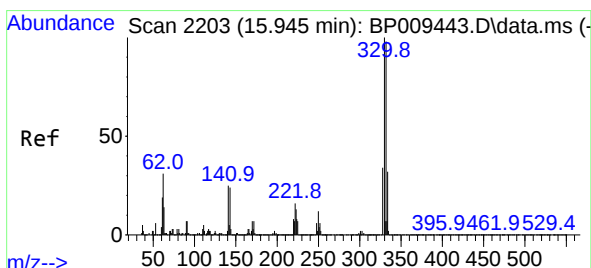
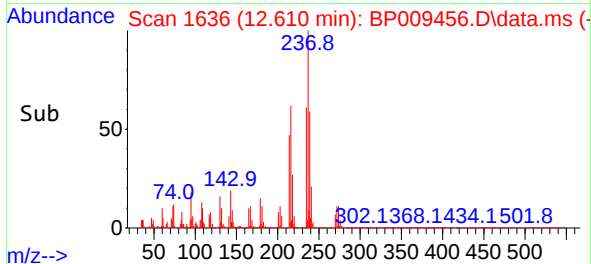
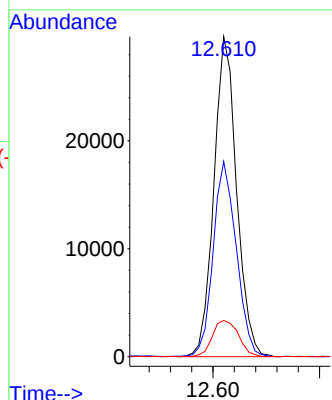
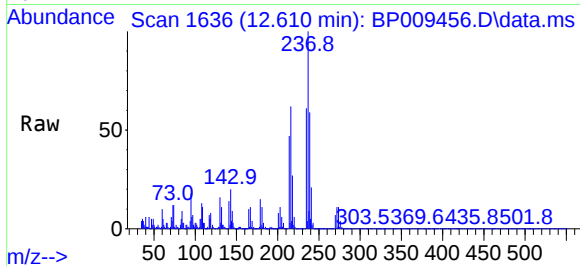
#41
Hexachlorocyclopentadiene
Concen: 6.568 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:237 Resp: 43854
Ion Ratio Lower Upper
237 100
235 61.0 42.6 82.6
272 11.3 0.0 32.8

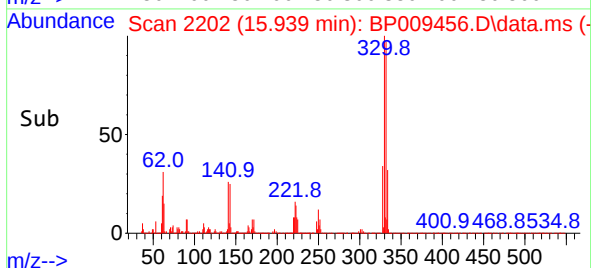
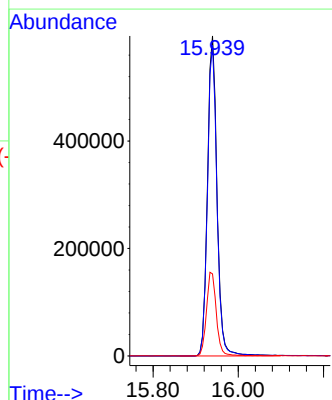
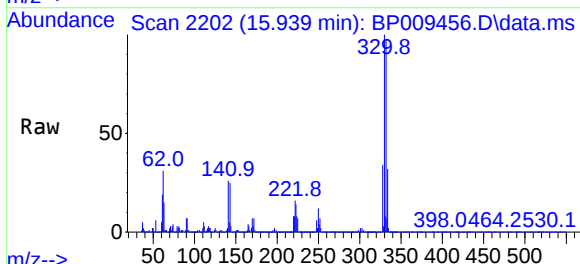
Manual Integrations
APPROVED

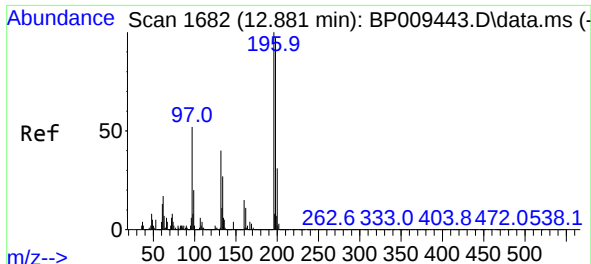
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#42
2,4,6-Tribromophenol
Concen: 98.293 ng
RT: 15.939 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

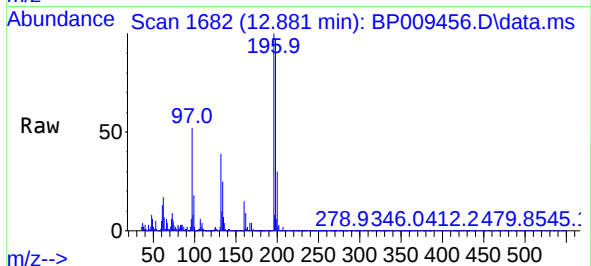
Tgt Ion:330 Resp: 926400
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 27.0 27.6 41.4#





#43
2,4,6-Trichlorophenol
Concen: 8.482 ng
RT: 12.881 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

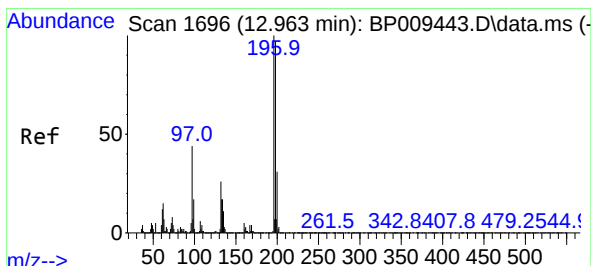
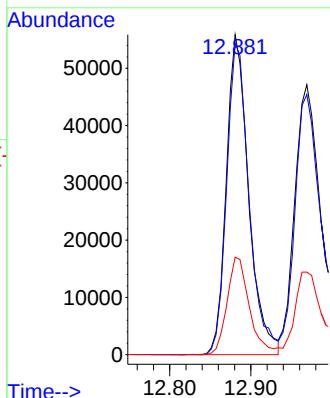
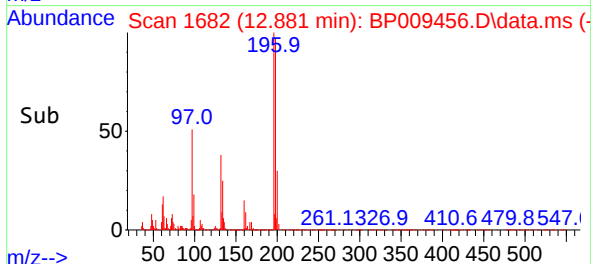
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



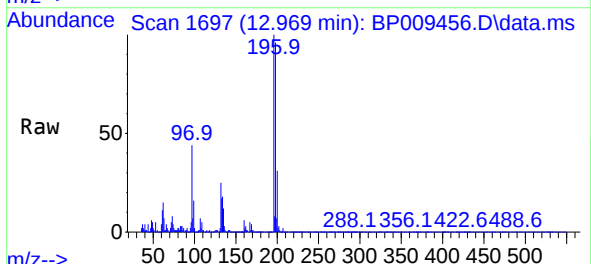
Tgt Ion:196 Resp: 10653
Ion Ratio Lower Upper
196 100
198 97.3 76.2 114.4
200 30.5 24.4 36.6

Manual Integrations
APPROVED

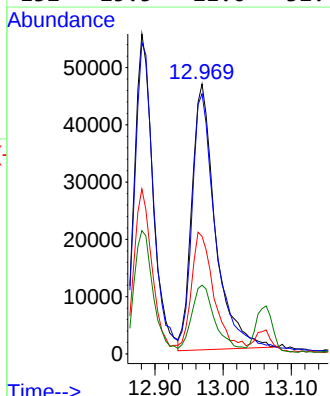
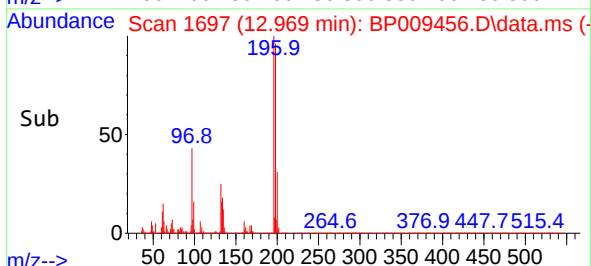
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

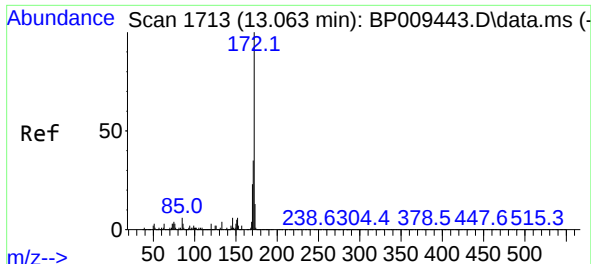


#44
2,4,5-Trichlorophenol
Concen: 8.137 ng
RT: 12.969 min Scan# 1697
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



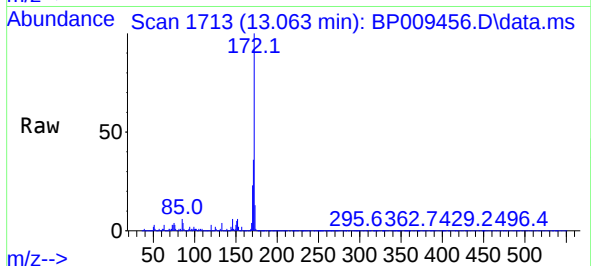
Tgt Ion:196 Resp: 110986
Ion Ratio Lower Upper
196 100
198 96.4 76.6 114.8
97 43.6 38.3 57.5
132 25.5 21.6 32.4





#45
2-Fluorobiphenyl
Concen: 68.671 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

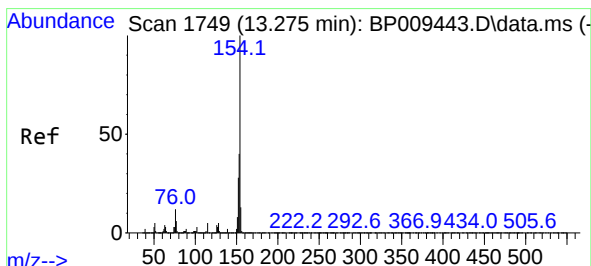
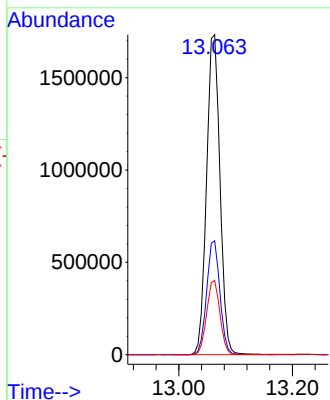
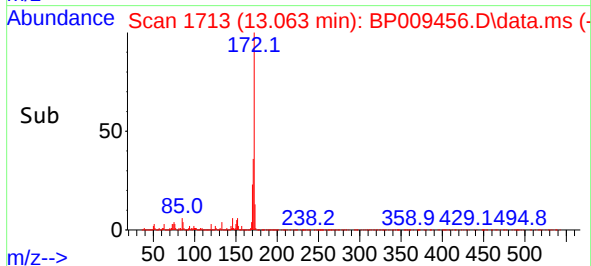
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



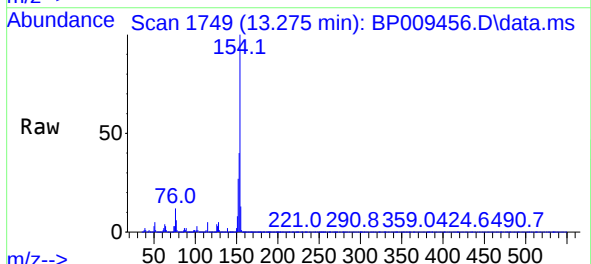
Tgt Ion:172 Resp: 2829200
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.2 18.6 27.8

Manual Integrations
APPROVED

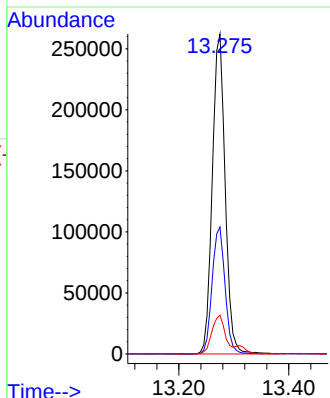
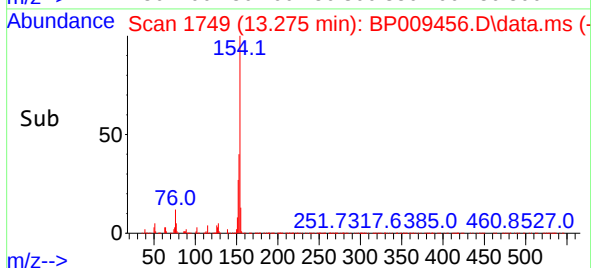
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

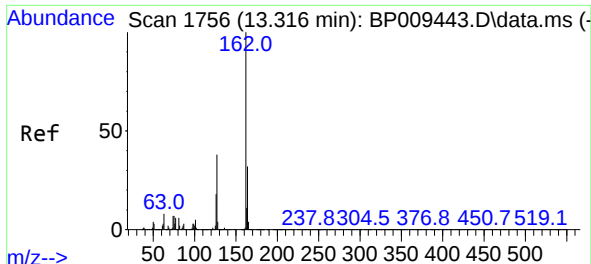


#46
1,1'-Biphenyl
Concen: 10.003 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion:154 Resp: 426221
Ion Ratio Lower Upper
154 100
153 39.6 20.2 60.2
76 12.1 0.0 34.0





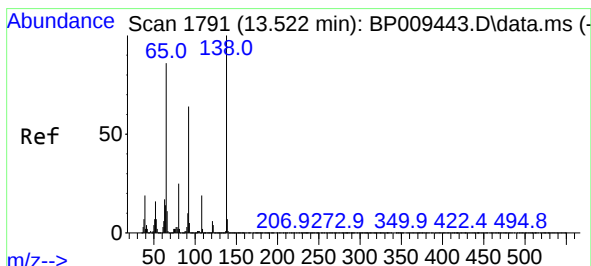
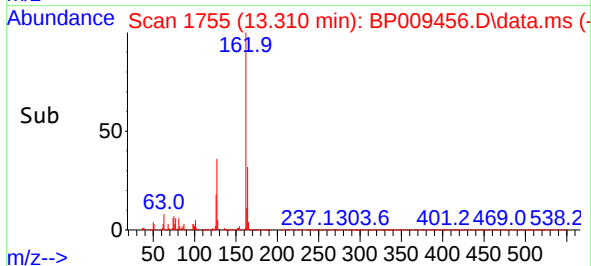
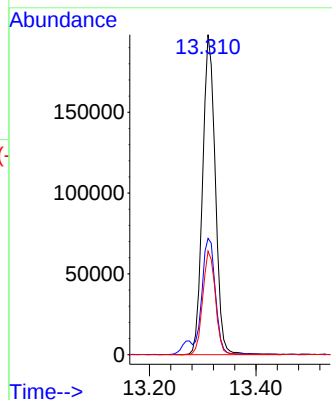
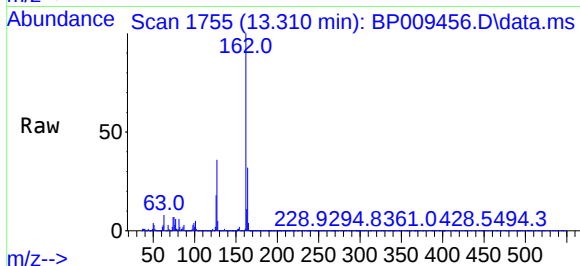
#47
2-Chloronaphthalene
Concen: 9.772 ng
RT: 13.310 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:162 Resp: 32781
Ion Ratio Lower Upper
162 100
127 36.3 30.8 46.2
164 32.3 26.3 39.5

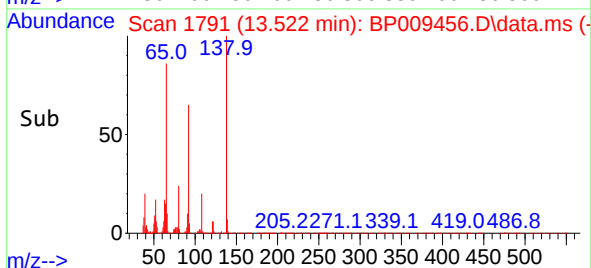
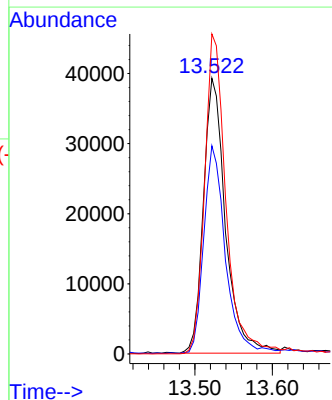
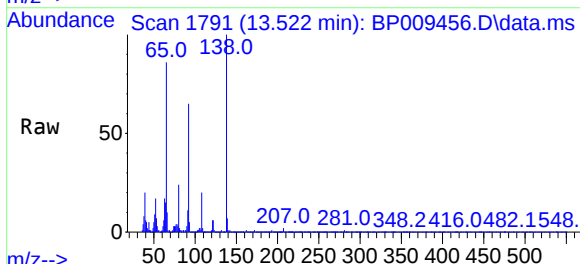
Manual Integrations
APPROVED

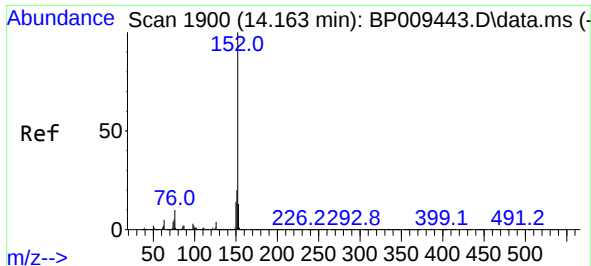
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#48
2-Nitroaniline
Concen: 8.500 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

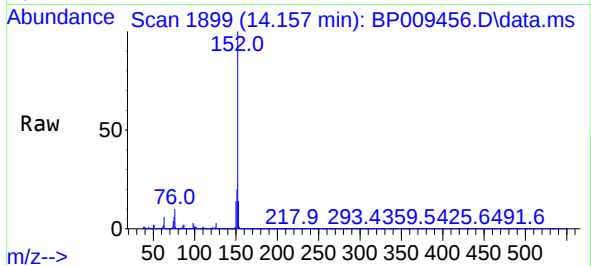
Tgt Ion: 65 Resp: 77657
Ion Ratio Lower Upper
65 100
92 75.5 56.9 85.3
138 116.0 89.3 133.9





#49
Acenaphthylene
Concen: 10.222 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

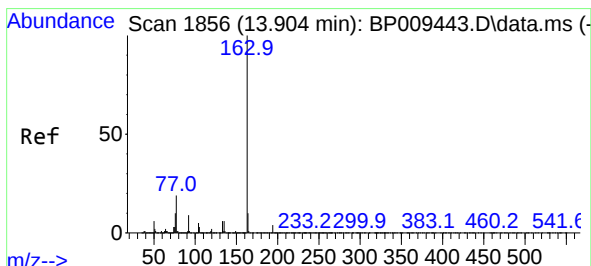
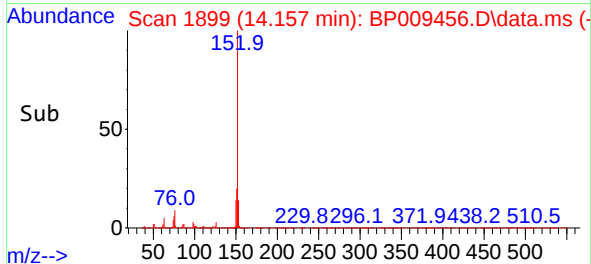
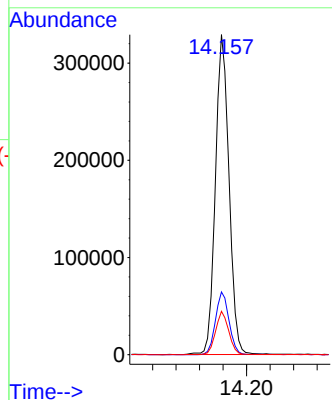
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:152 Resp: 52933
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.6 10.7 16.1

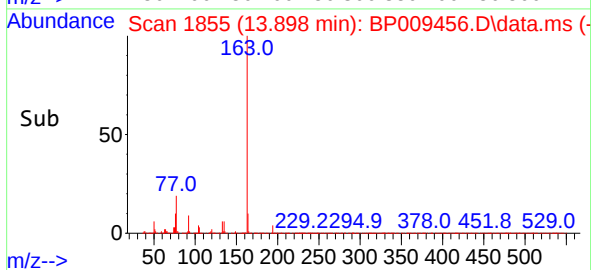
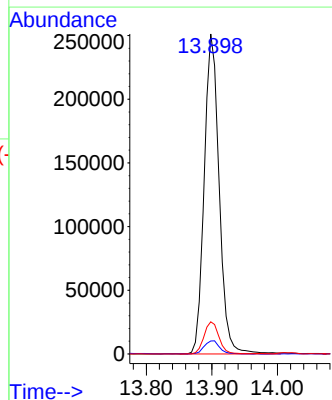
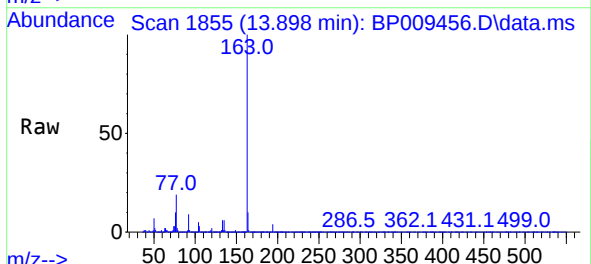
Manual Integrations
APPROVED

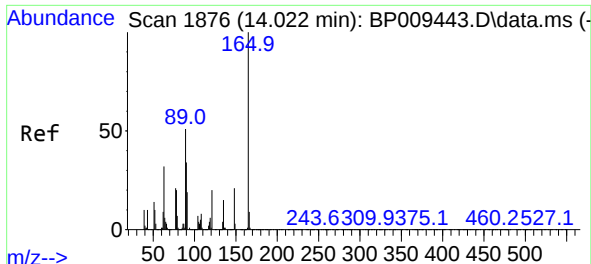
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#50
Dimethylphthalate
Concen: 9.209 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

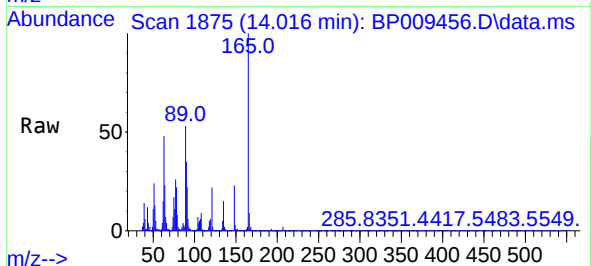
Tgt Ion:163 Resp: 398521
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 9.115 ng
RT: 14.016 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

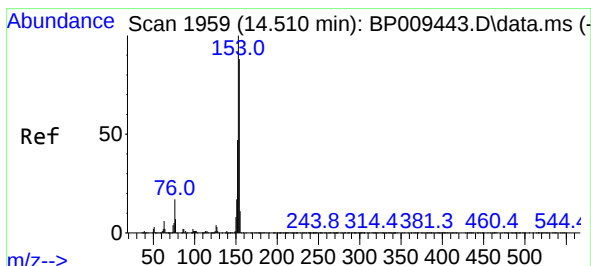
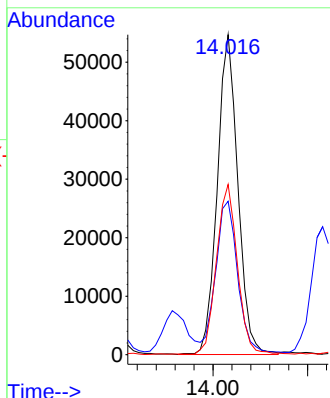
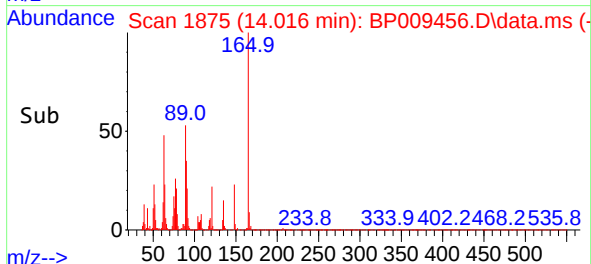
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



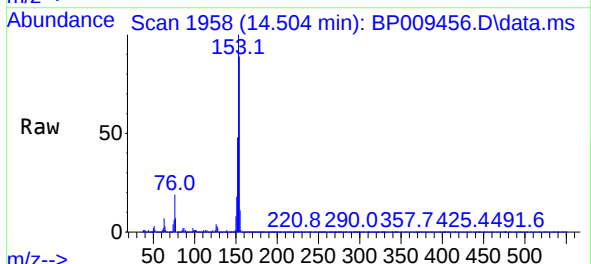
Tgt Ion:165 Resp: 8265
Ion Ratio Lower Upper
165 100
63 48.0 40.9 61.3
89 53.2 43.4 65.2

Manual Integrations
APPROVED

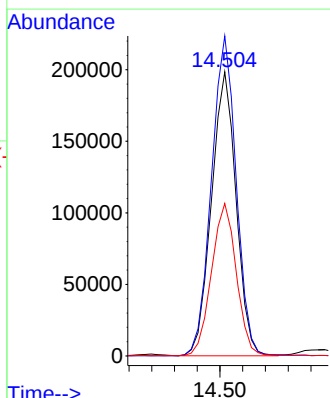
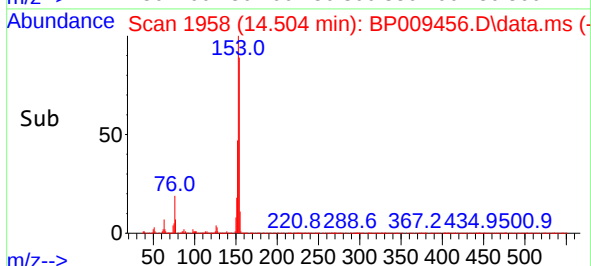
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

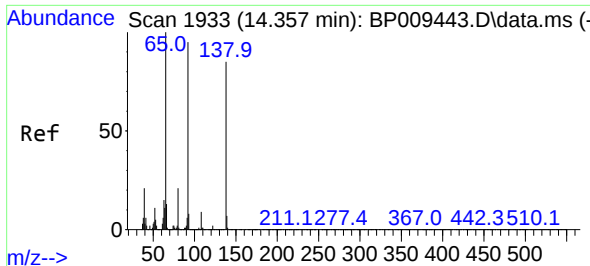


#52
Acenaphthene
Concen: 9.672 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



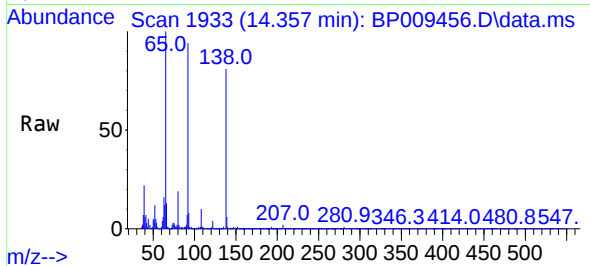
Tgt Ion:154 Resp: 299187
Ion Ratio Lower Upper
154 100
153 112.6 90.2 135.4
152 53.7 42.7 64.1





#53
3-Nitroaniline
Concen: 8.432 ng
RT: 14.357 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

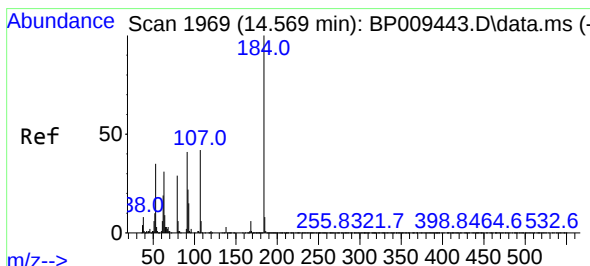
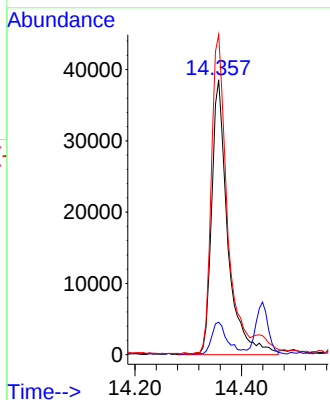
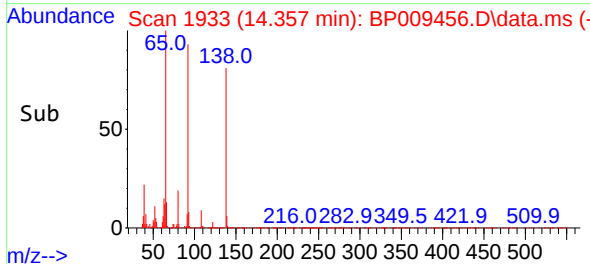
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



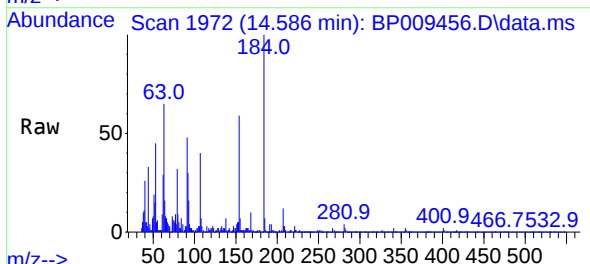
Tgt Ion:138 Resp: 80760
Ion Ratio Lower Upper
138 100
108 11.8 9.7 14.5
92 116.4 94.4 141.6

Manual Integrations
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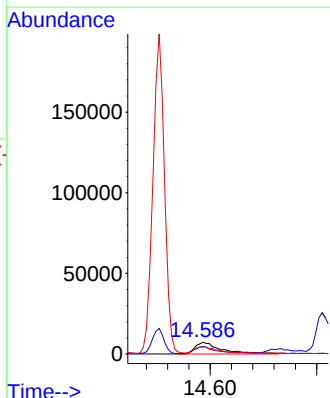
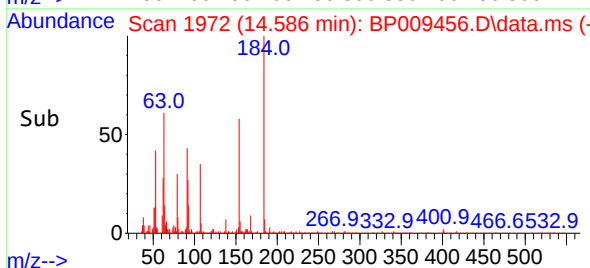
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

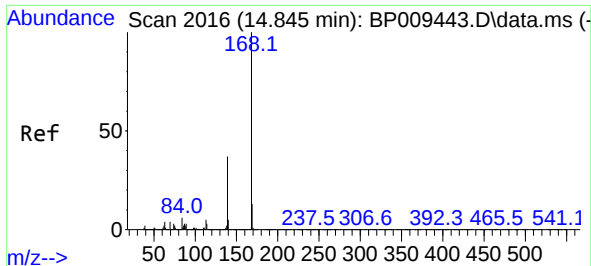


#54
2,4-Dinitrophenol
Concen: 5.023 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.017 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



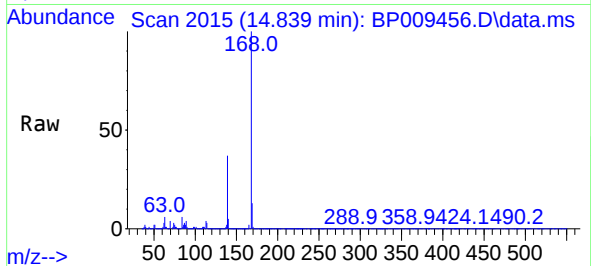
Tgt Ion:184 Resp: 25019
Ion Ratio Lower Upper
184 100
63 64.8 46.3 69.5
154 59.4 45.8 68.6





#55
Dibenzenofuran
Concen: 9.512 ng
RT: 14.839 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

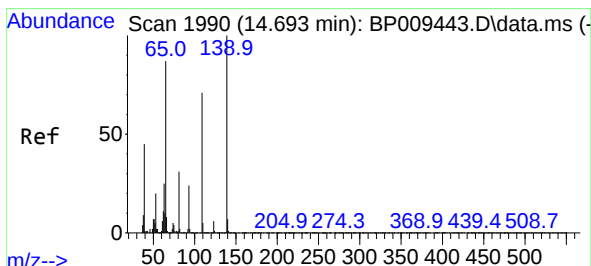
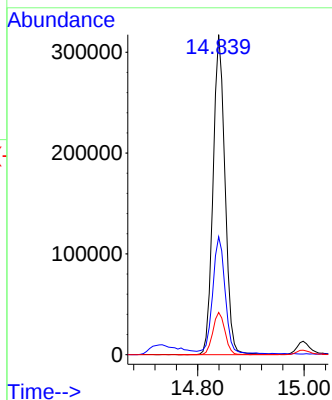
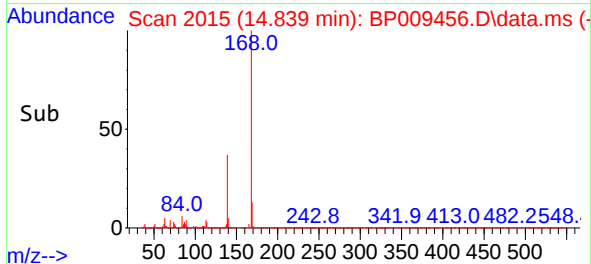
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



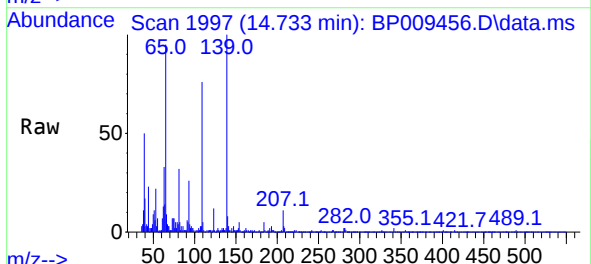
Tgt Ion:168 Resp: 494311
Ion Ratio Lower Upper
168 100
139 36.9 29.1 43.7
169 13.2 10.6 16.0

Manual Integrations
APPROVED

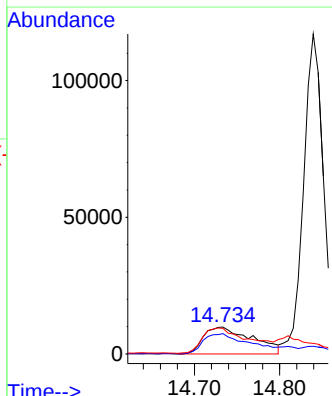
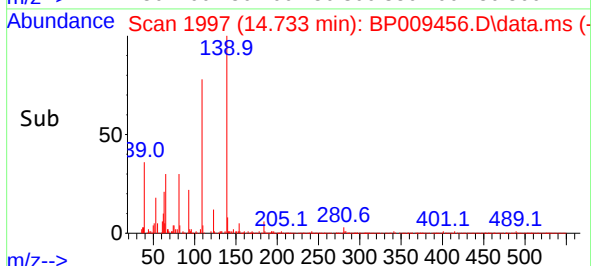
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

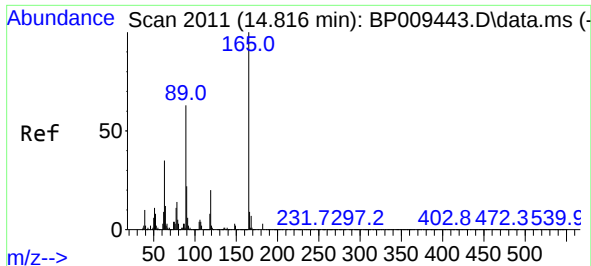


#56
4-Nitrophenol
Concen: 5.477 ng
RT: 14.733 min Scan# 1997
Delta R.T. 0.041 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



Tgt Ion:139 Resp: 39098
Ion Ratio Lower Upper
139 100
109 75.6 51.2 91.2
65 95.3 73.2 113.2





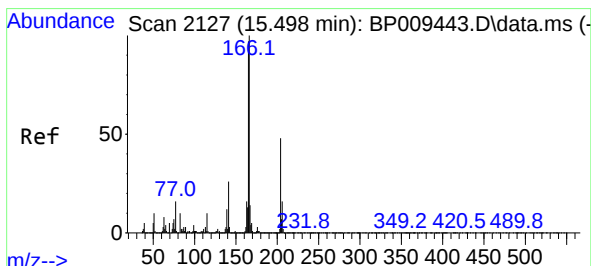
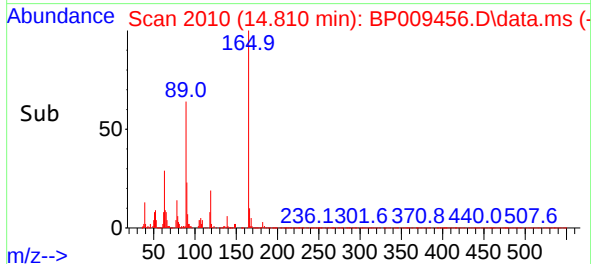
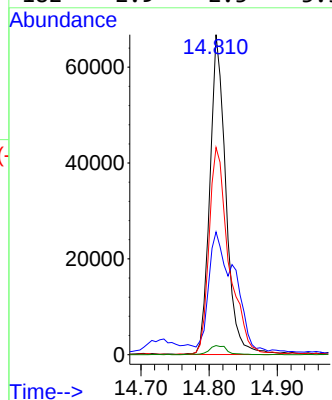
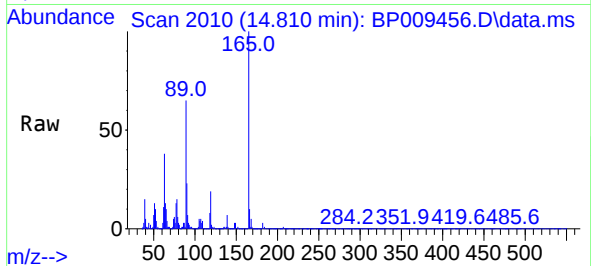
#57
2,4-Dinitrotoluene
Concen: 8.802 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:165 Resp: 10973
Ion Ratio Lower Upper
165 100
63 38.4 31.4 47.2
89 64.7 55.9 83.9
182 2.9 2.3 3.5

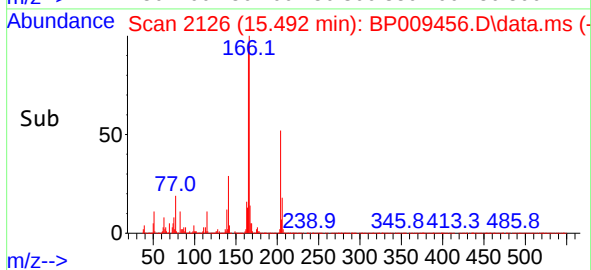
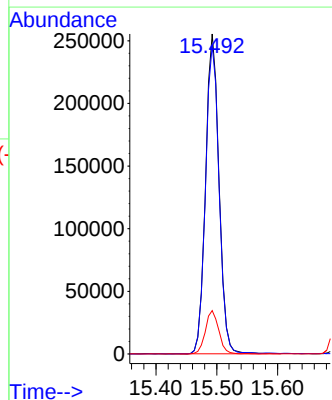
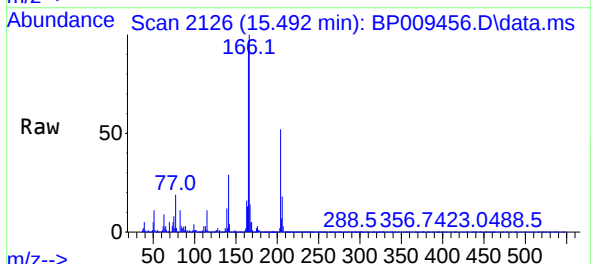
Manual Integrations
APPROVED

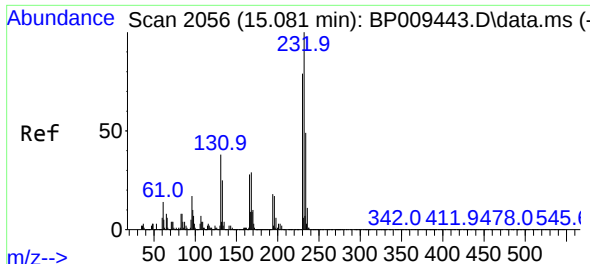
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#58
Fluorene
Concen: 9.561 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion:166 Resp: 390764
Ion Ratio Lower Upper
166 100
165 96.5 79.2 118.8
167 13.5 10.7 16.1





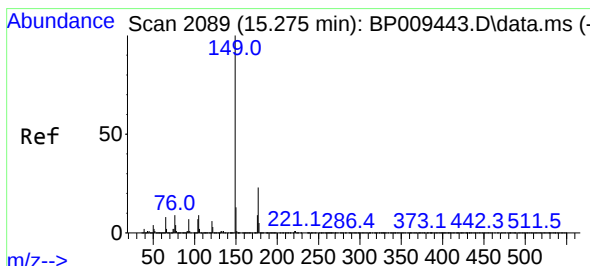
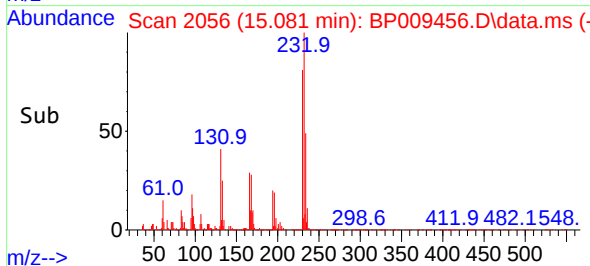
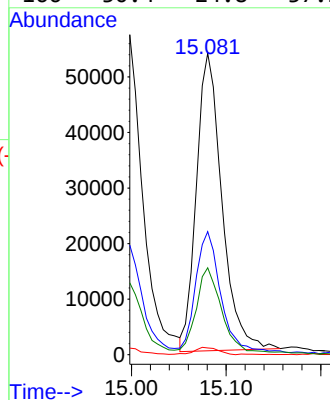
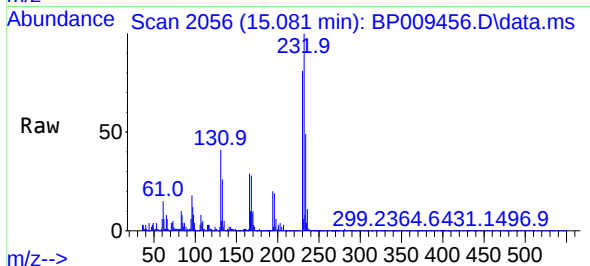
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.123 ng
RT: 15.081 min Scan# 2056
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:232 Resp: 100448
Ion Ratio Lower Upper
232 100
131 42.4 35.5 53.3
130 2.3 1.8 2.8
166 30.4 24.8 37.2

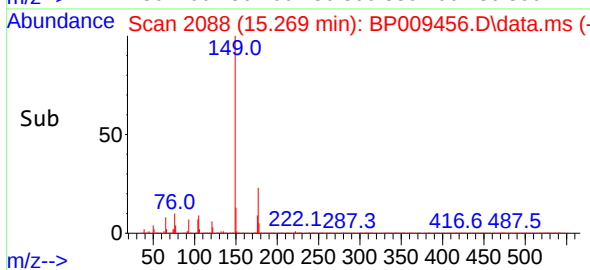
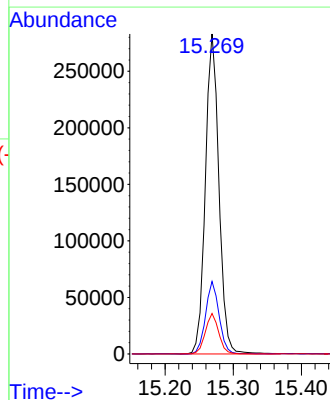
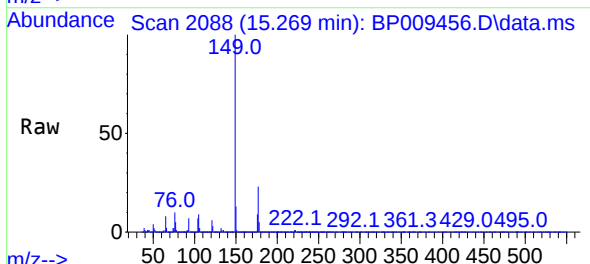
Manual Integrations
APPROVED

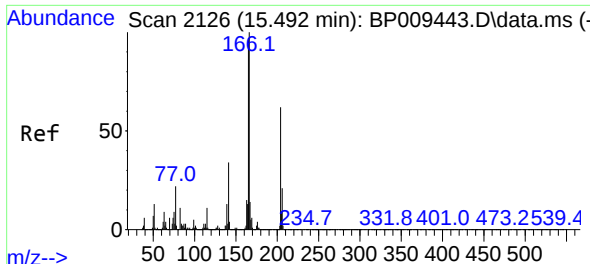
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#60
Diethylphthalate
Concen: 9.007 ng
RT: 15.269 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

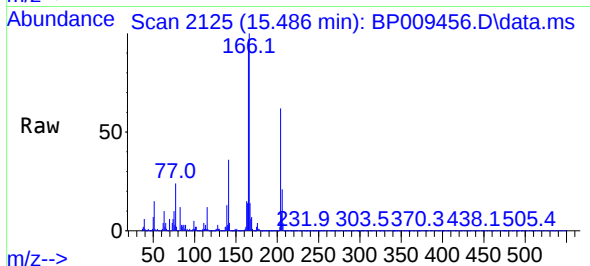
Tgt Ion:149 Resp: 390140
Ion Ratio Lower Upper
149 100
177 22.7 18.2 27.2
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 9.186 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

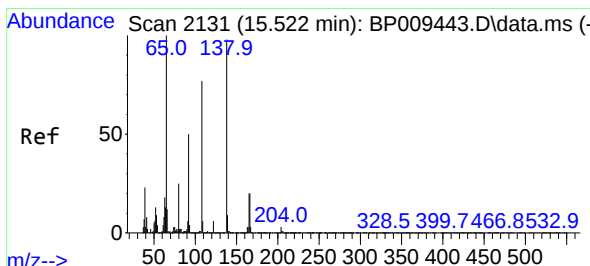
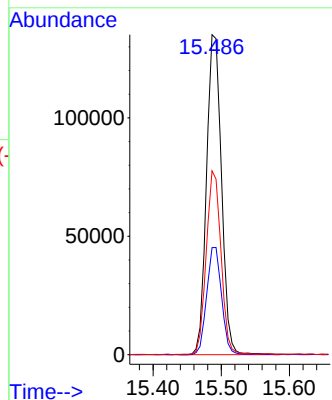
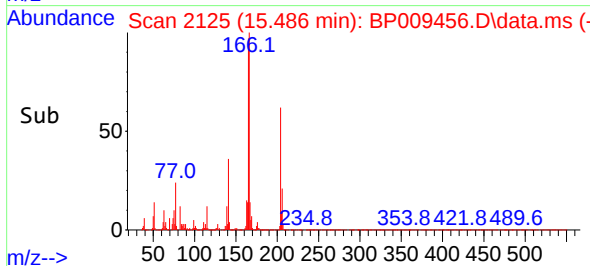
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion: 204 Resp: 206818
Ion Ratio Lower Upper
204 100
206 33.4 26.0 39.0
141 57.4 45.9 68.9

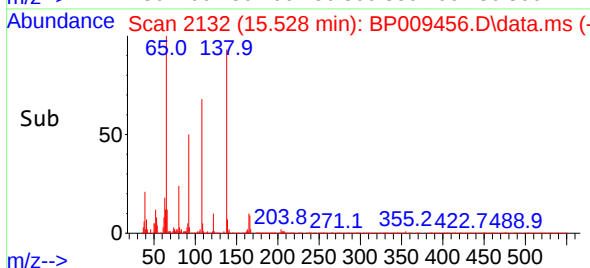
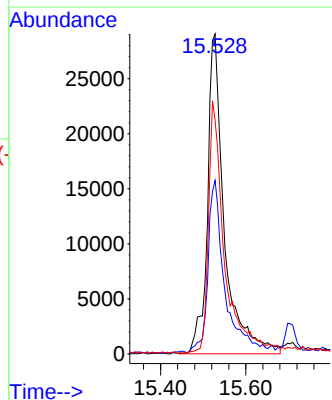
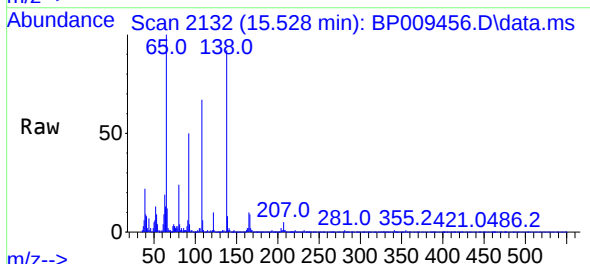
Manual Integrations
APPROVED

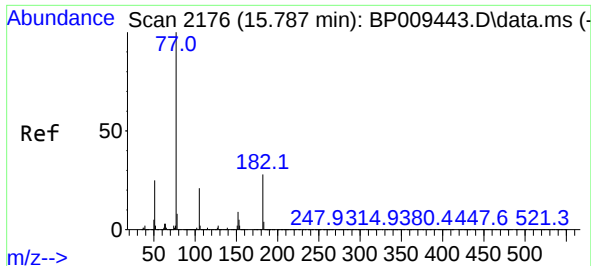
Reviewed By : Christian Giraldo 03/21/2022
Supervised By : Jagrut Upadhyay 03/22/2022



#62
4-Nitroaniline
Concen: 7.988 ng
RT: 15.528 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

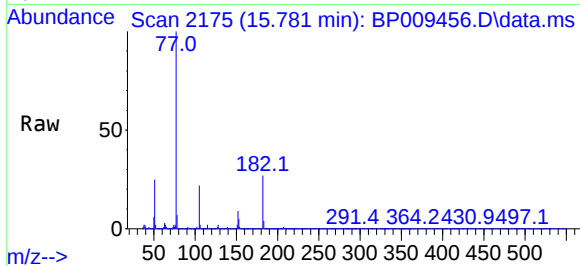
Tgt Ion: 138 Resp: 80342
Ion Ratio Lower Upper
138 100
92 54.2 31.2 71.2
108 73.1 54.3 94.3





#63
Azobenzene
Concen: 9.158 ng
RT: 15.781 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

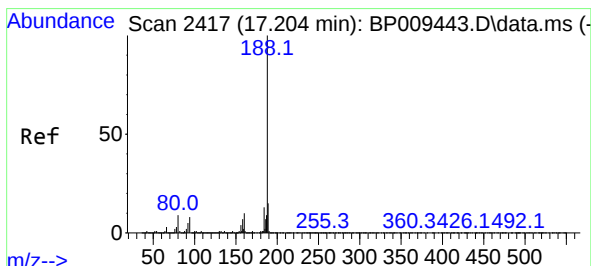
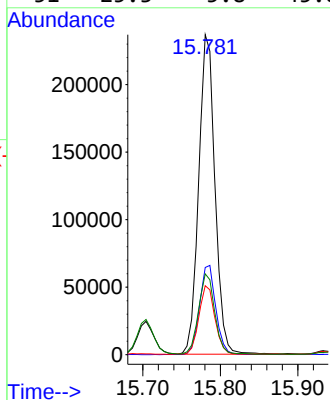
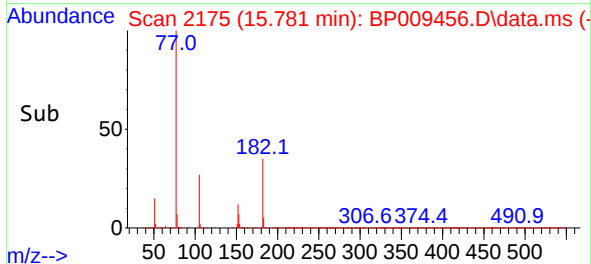
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 77 Resp: 345075
Ion Ratio Lower Upper
77 100
182 27.3 5.4 45.4
105 21.6 0.3 40.3
51 25.3 5.8 45.8

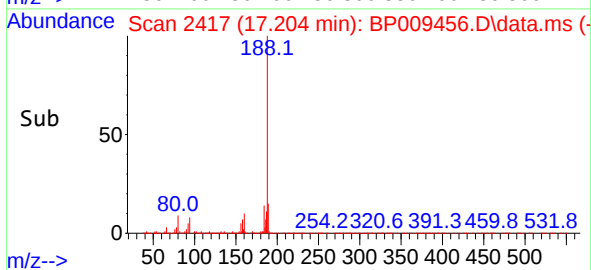
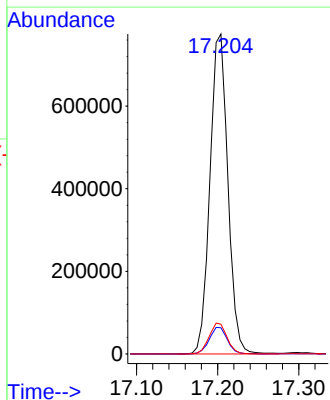
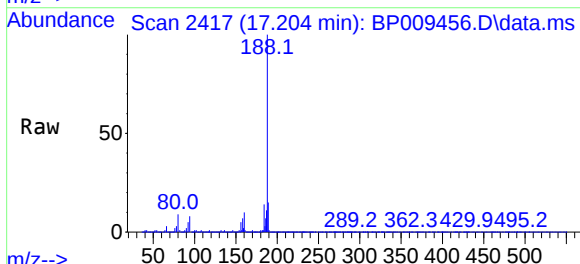
Manual Integrations
APPROVED

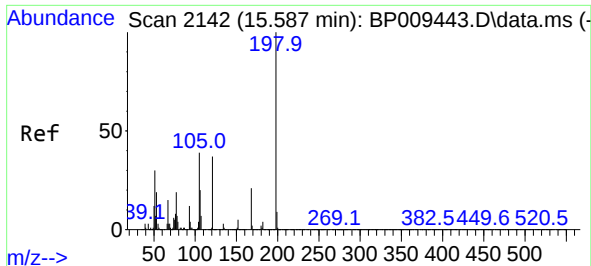
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

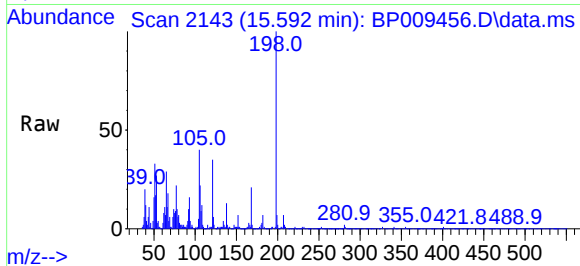
Tgt Ion:188 Resp: 1187408
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 9.3 8.8 13.2





#65
4,6-Dinitro-2-methylphenol
Concen: 6.001 ng
RT: 15.592 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

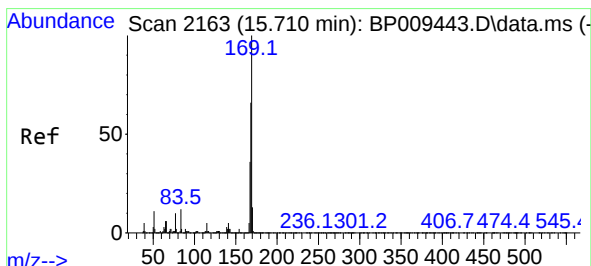
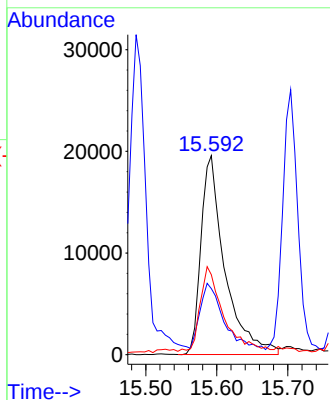
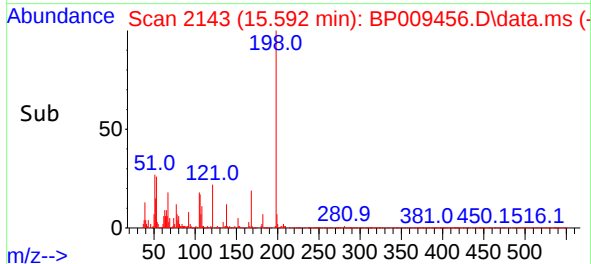
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



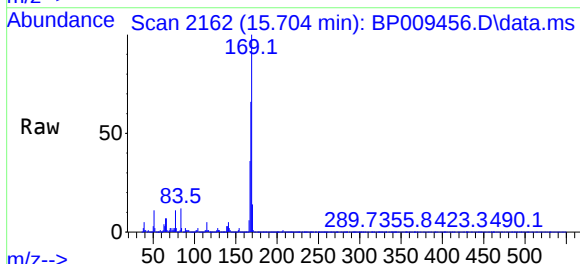
Tgt Ion:198 Resp: 4582
Ion Ratio Lower Upper
198 100
51 33.2 17.7 57.7
105 40.2 23.2 63.2

Manual Integrations
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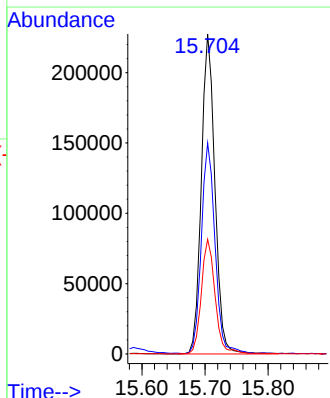
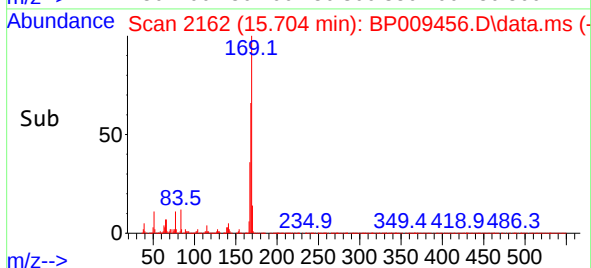
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

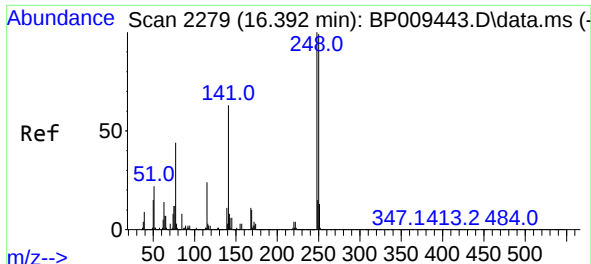


#66
n-Nitrosodiphenylamine
Concen: 9.682 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



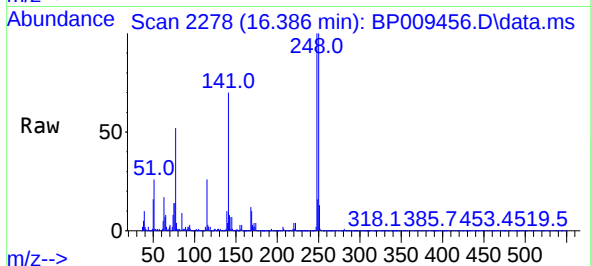
Tgt Ion:169 Resp: 340228
Ion Ratio Lower Upper
169 100
168 65.9 51.6 77.4
167 35.8 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 8.969 ng
RT: 16.386 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

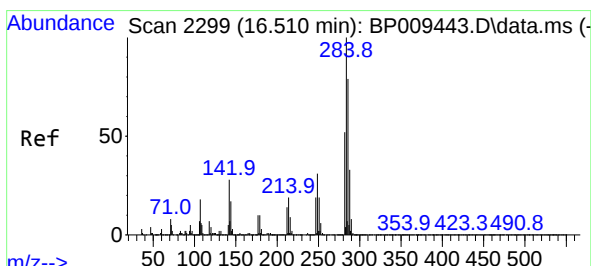
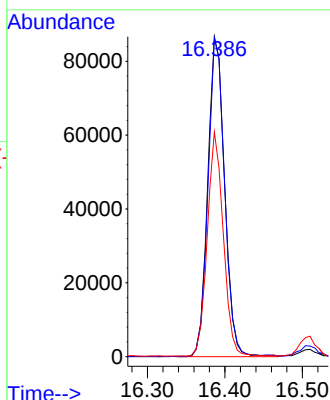
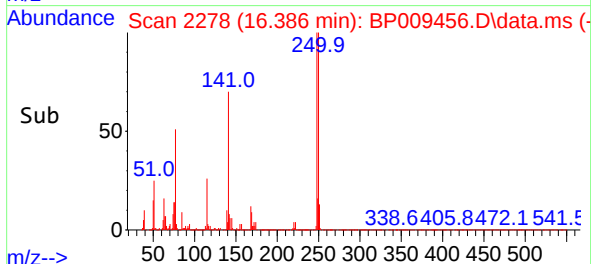
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



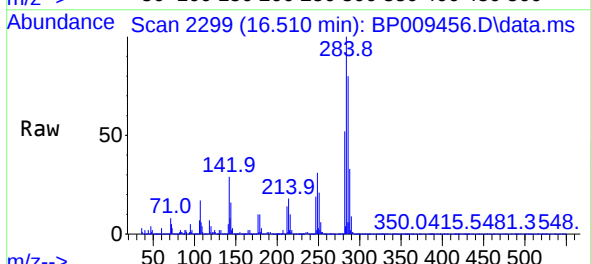
Tgt Ion:248 Resp: 130319
Ion Ratio Lower Upper
248 100
250 99.6 77.7 116.5
141 70.2 58.3 87.5

Manual Integrations
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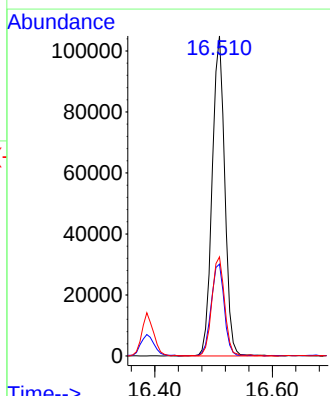
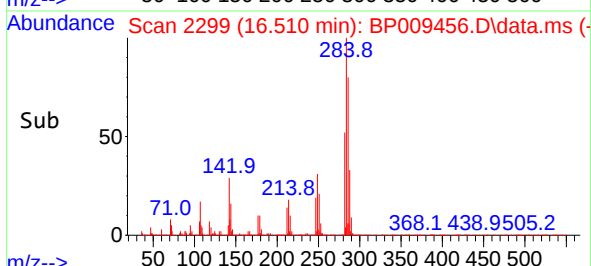
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

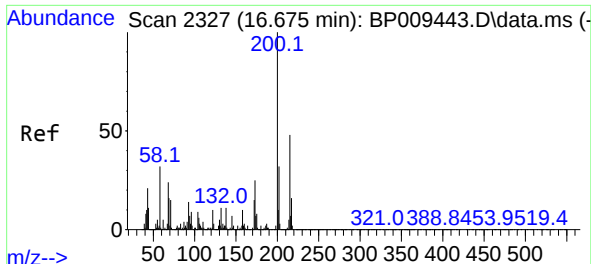


#68
Hexachlorobenzene
Concen: 9.317 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



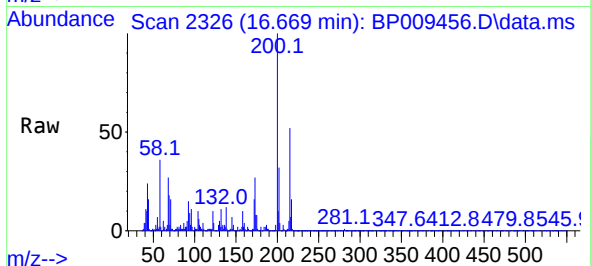
Tgt Ion:284 Resp: 155805
Ion Ratio Lower Upper
284 100
142 28.7 26.8 40.2
249 30.9 24.6 37.0





#69
Atrazine
Concen: 9.850 ng
RT: 16.669 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

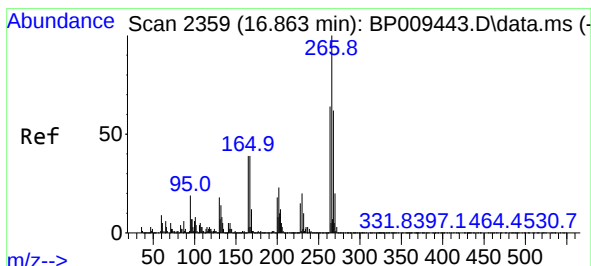
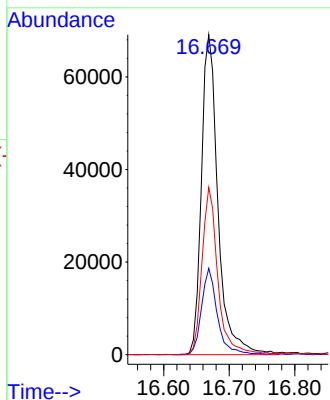
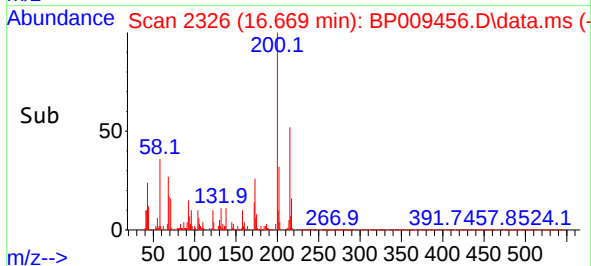
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:200 Resp: 12169
Ion Ratio Lower Upper
200 100
173 26.9 6.2 46.2
215 52.3 28.5 68.5

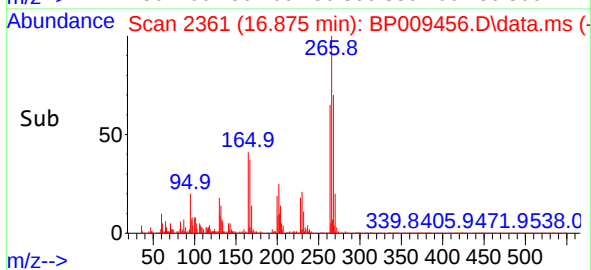
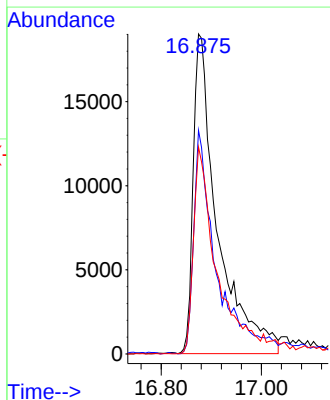
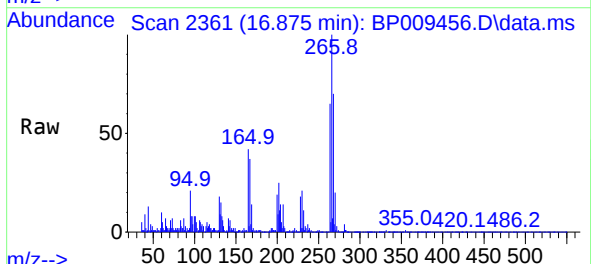
Manual Integrations
APPROVED

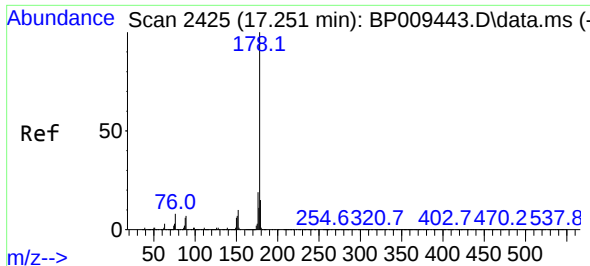
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#70
Pentachlorophenol
Concen: 7.144 ng
RT: 16.875 min Scan# 2361
Delta R.T. 0.012 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion:266 Resp: 63857
Ion Ratio Lower Upper
266 100
268 69.9 49.8 74.8
264 69.9 50.9 76.3





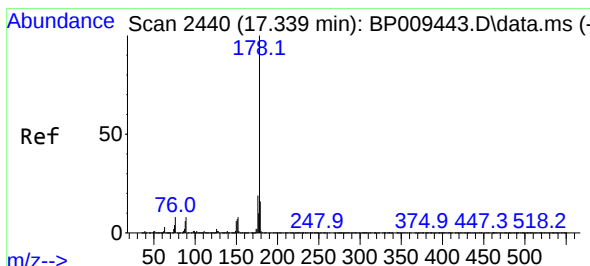
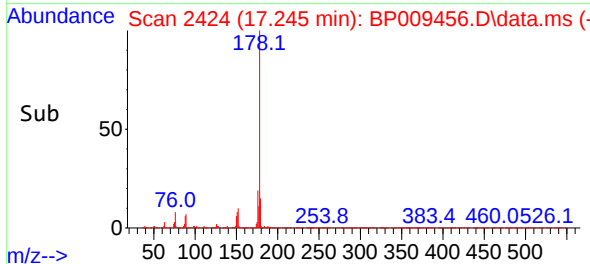
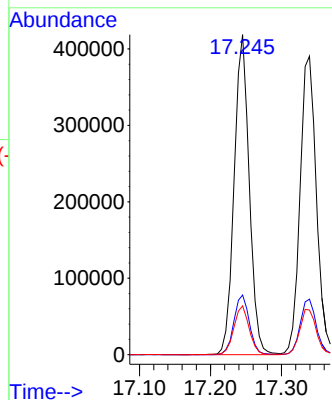
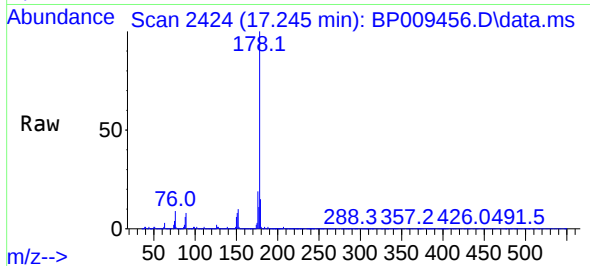
#71
Phenanthrene
Concen: 9.747 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:178 Resp: 619538
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.2 12.3 18.5

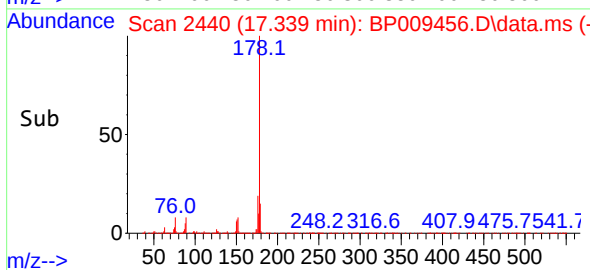
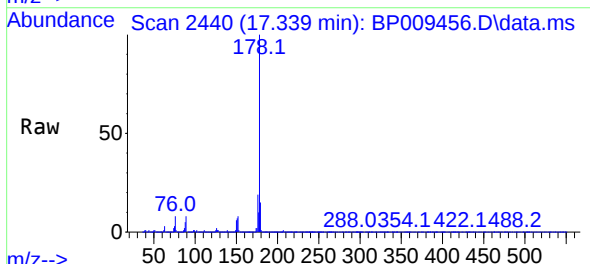
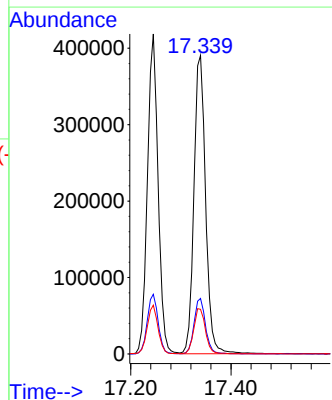
Manual Integrations
APPROVED

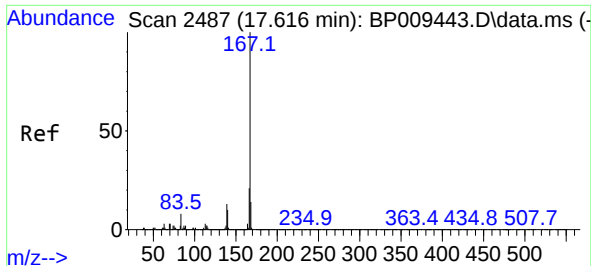
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#72
Anthracene
Concen: 10.048 ng
RT: 17.339 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

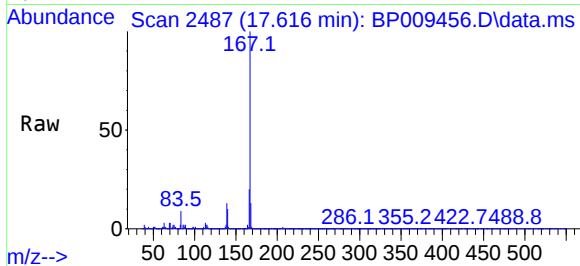
Tgt Ion:178 Resp: 630570
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 14.9 12.2 18.4





#73
 Carbazole
 Concen: 9.106 ng
 RT: 17.616 min Scan# 2487
 Delta R.T. -0.000 min
 Lab File: BP009456.D
 Acq: 18 Mar 2022 14:20

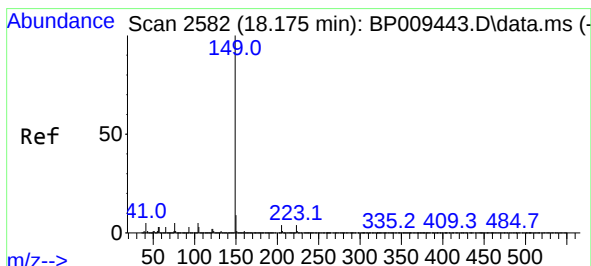
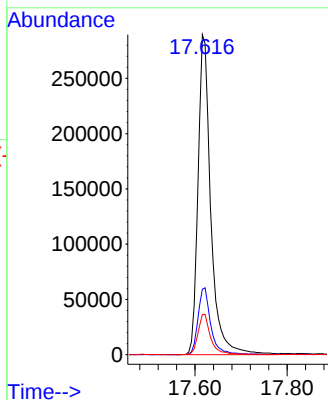
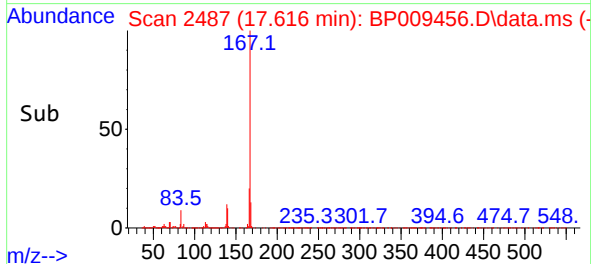
Instrument : BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



Tgt Ion:167 Resp: 55885
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.2 25.8
 139 12.6 10.3 15.5

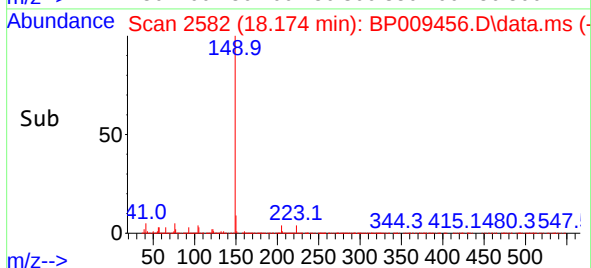
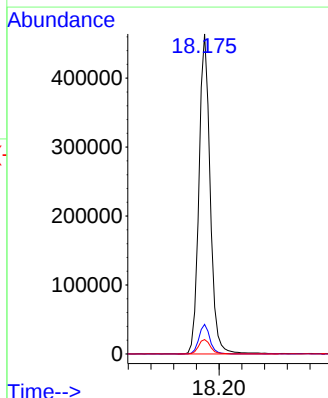
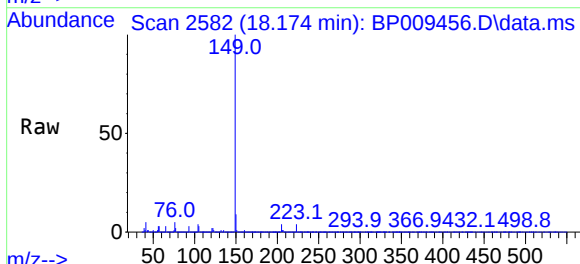
Manual Integrations
 APPROVED

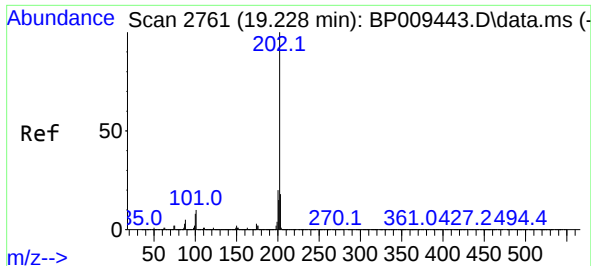
Reviewed By :Christian Giraldo 03/21/2022
 Supervised By :Jagrut Upadhyay 03/22/2022



#74
 Di-n-butylphthalate
 Concen: 8.821 ng
 RT: 18.174 min Scan# 2582
 Delta R.T. -0.000 min
 Lab File: BP009456.D
 Acq: 18 Mar 2022 14:20

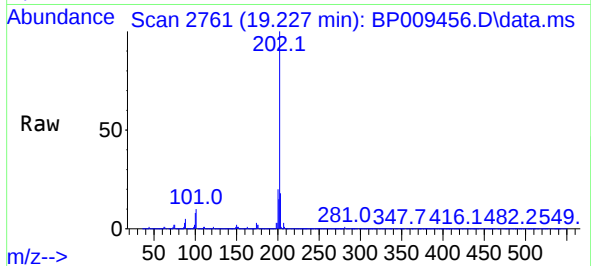
Tgt Ion:149 Resp: 634393
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.5 4.2 6.2





#75
Fluoranthene
Concen: 9.745 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

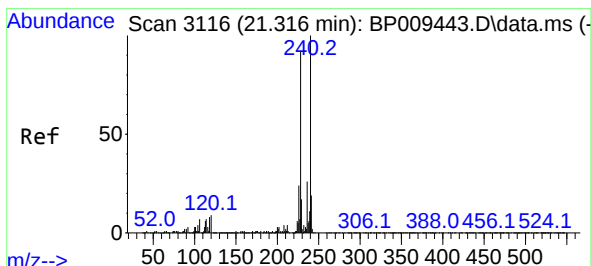
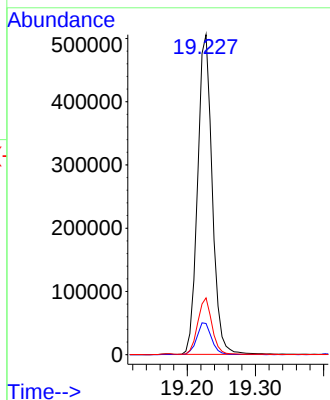
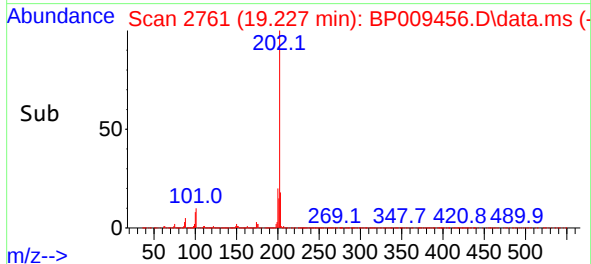
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:202 Resp: 74992
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.5
203 17.7 0.0 37.8

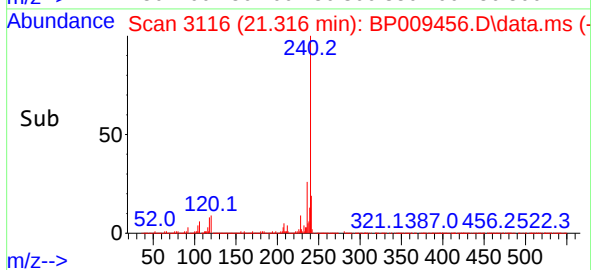
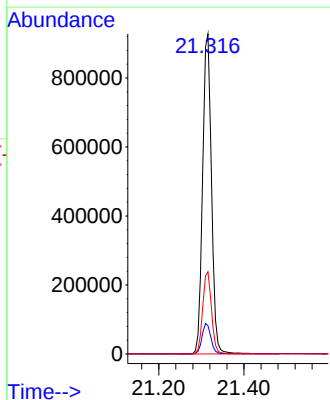
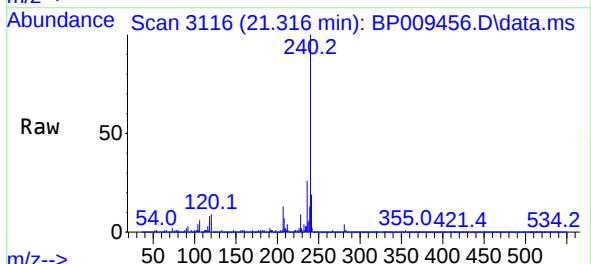
Manual Integrations
APPROVED

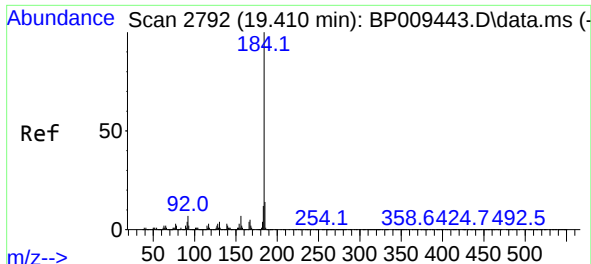
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion:240 Resp: 1341195
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 25.7 20.6 30.8





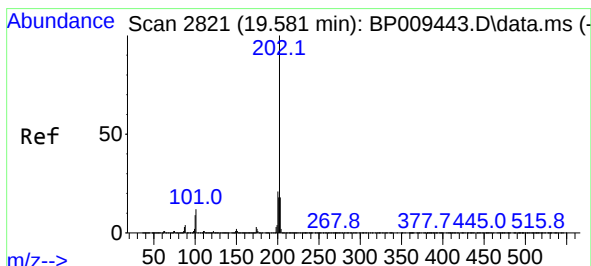
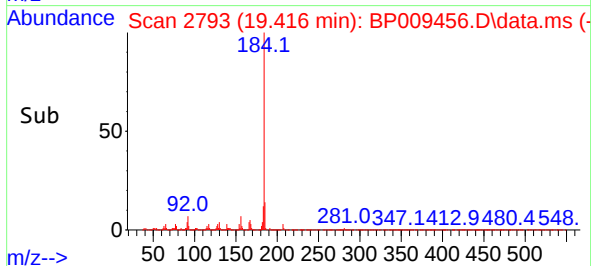
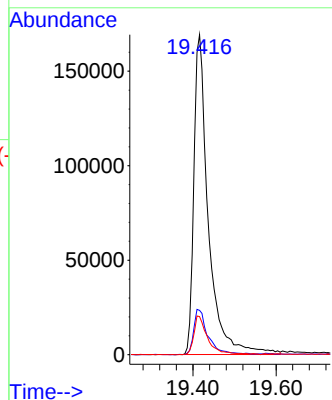
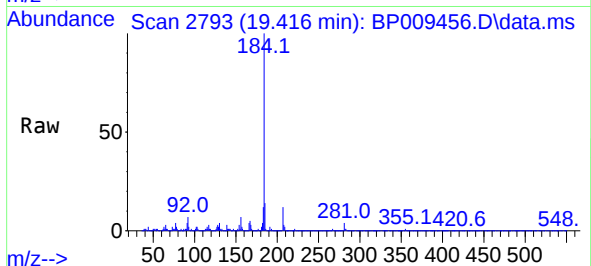
#77
Benzidine
Concen: 12.482 ng
RT: 19.416 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:184 Resp: 41035
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.0

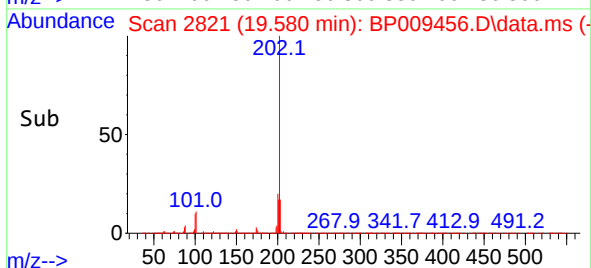
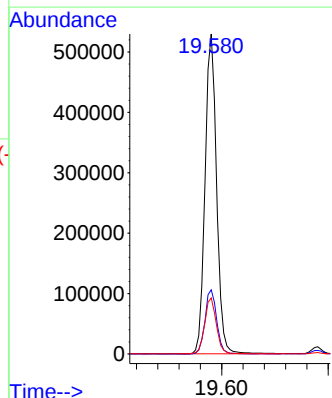
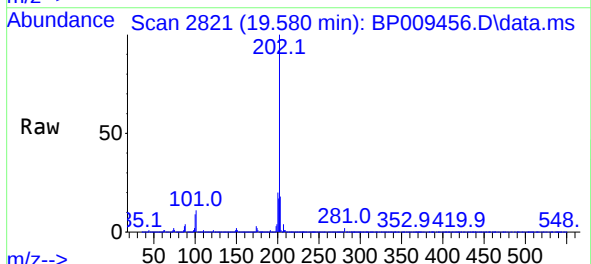
Manual Integrations
APPROVED

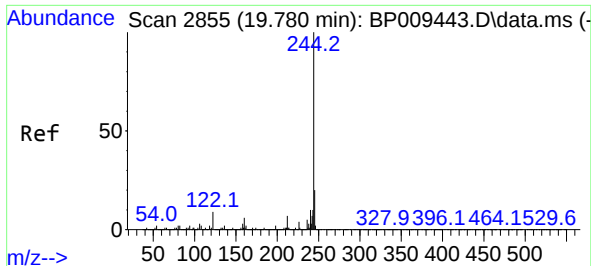
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#78
Pyrene
Concen: 8.978 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

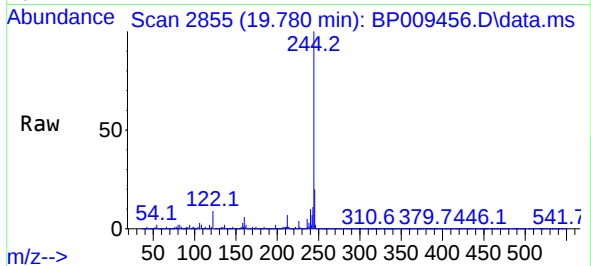
Tgt Ion:202 Resp: 793497
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 17.5 14.2 21.4





#79
Terphenyl-d14
Concen: 63.408 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

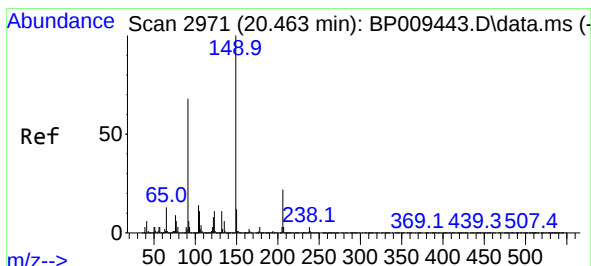
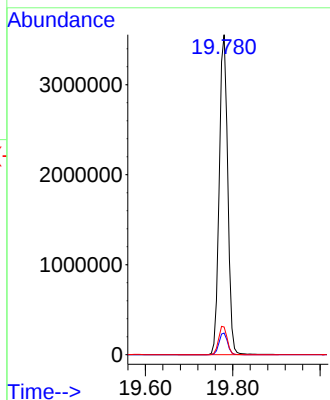
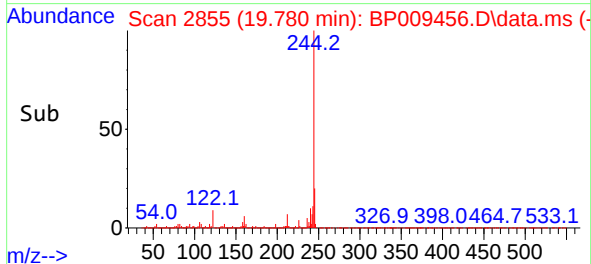
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion:244 Resp: 473805
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 8.7 8.3 12.5

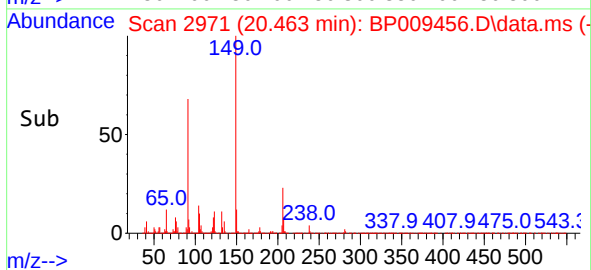
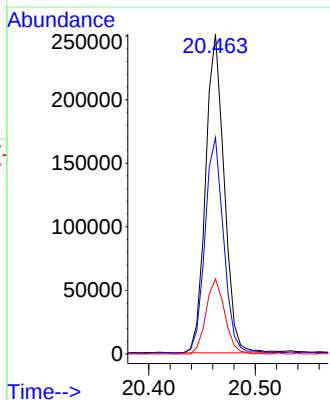
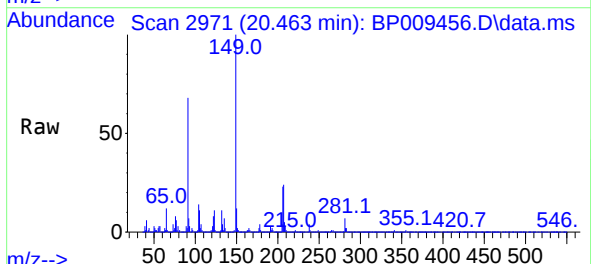
Manual Integrations
APPROVED

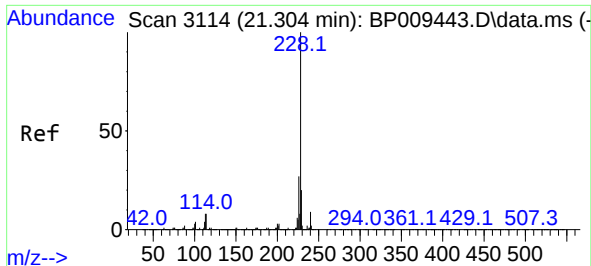
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#80
Butylbenzylphthalate
Concen: 8.108 ng
RT: 20.463 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

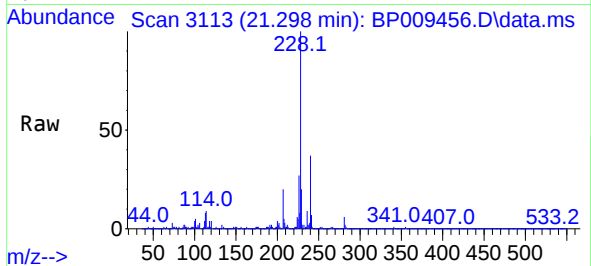
Tgt Ion:149 Resp: 304584
Ion Ratio Lower Upper
149 100
91 67.6 57.9 86.9
206 23.5 16.9 25.3





#81
Benzo(a)anthracene
Concen: 9.619 ng
RT: 21.298 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

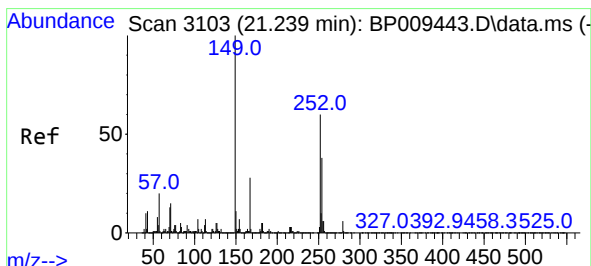
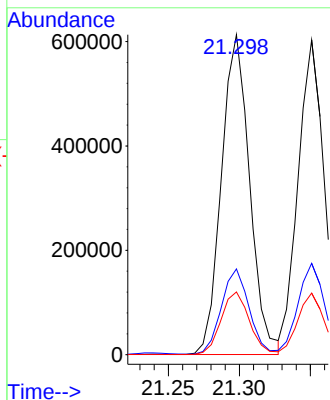
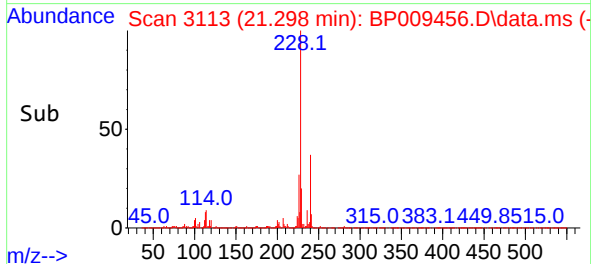
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 847609
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 19.6 16.1 24.1

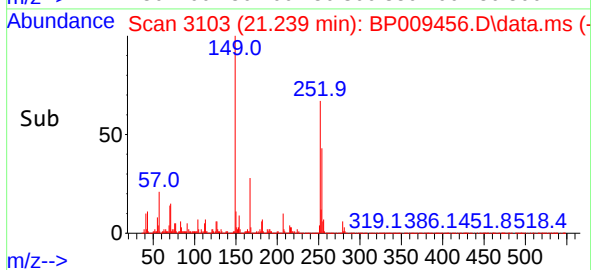
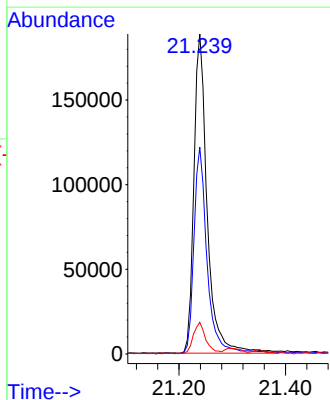
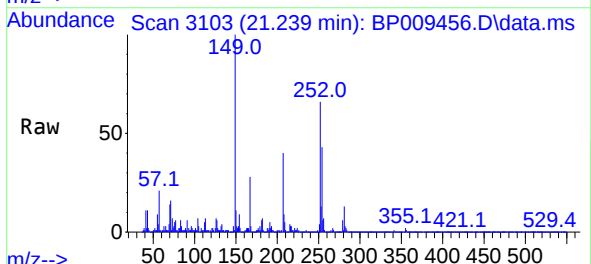
Manual Integrations
APPROVED

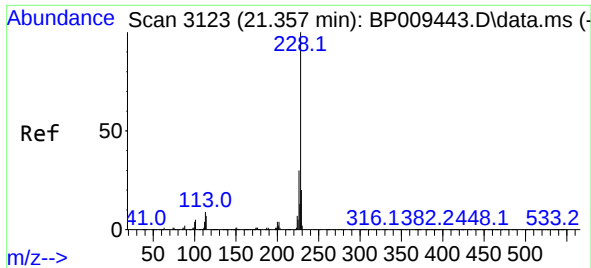
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#82
3,3'-Dichlorobenzidine
Concen: 9.646 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

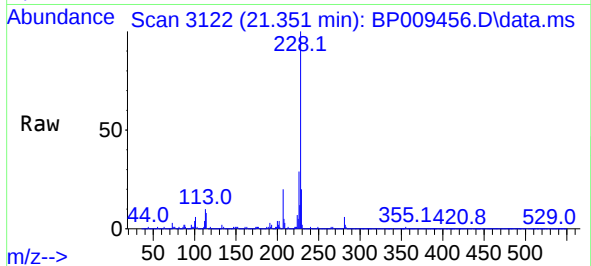
Tgt Ion:252 Resp: 328345
Ion Ratio Lower Upper
252 100
254 64.6 50.7 76.1
126 9.9 8.9 13.3





#83
Chrysene
Concen: 9.401 ng
RT: 21.351 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

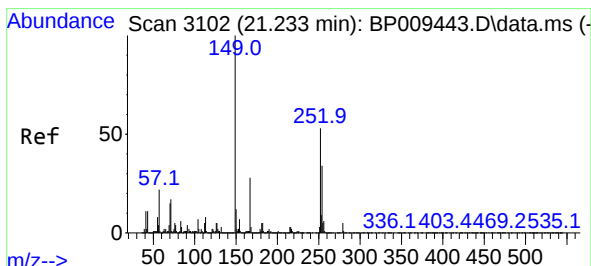
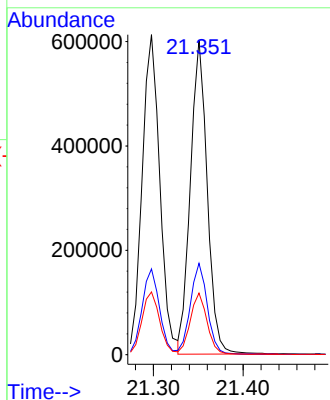
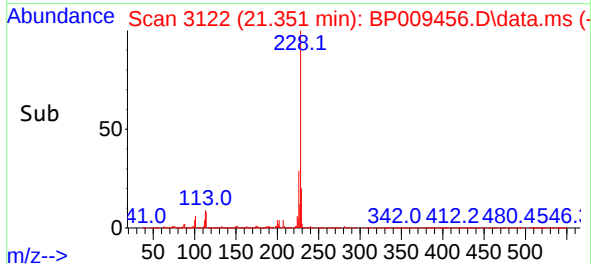
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2022



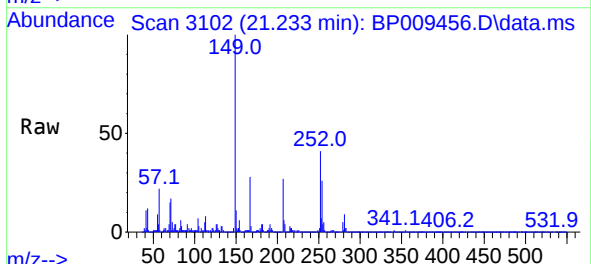
Tgt Ion:228 Resp: 78441
Ion Ratio Lower Upper
228 100
226 29.0 24.2 36.2
229 19.6 16.1 24.1

Manual Integrations
APPROVED

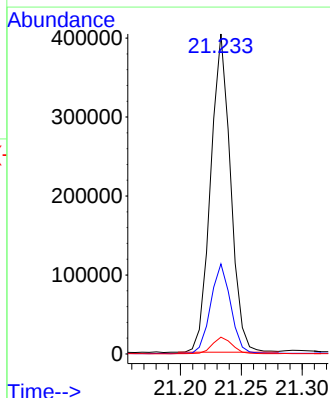
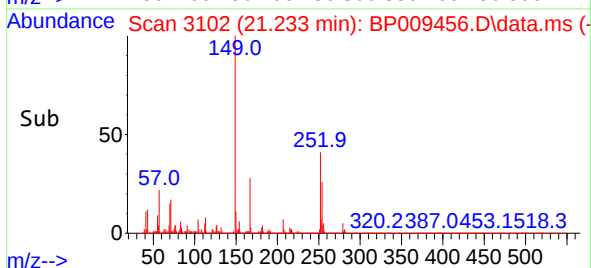
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

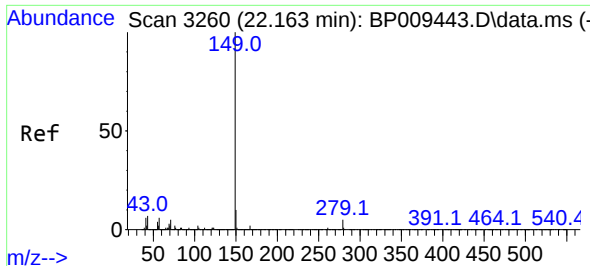


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.756 ng
RT: 21.233 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20



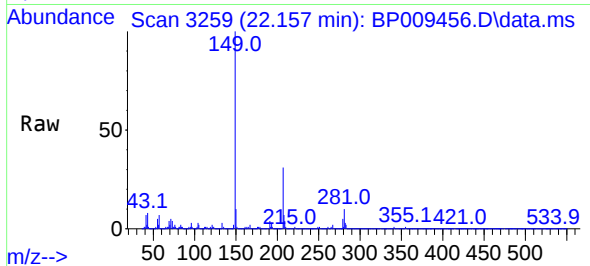
Tgt Ion:149 Resp: 458443
Ion Ratio Lower Upper
149 100
167 28.2 22.6 33.8
279 5.2 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 8.925 ng
RT: 22.157 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

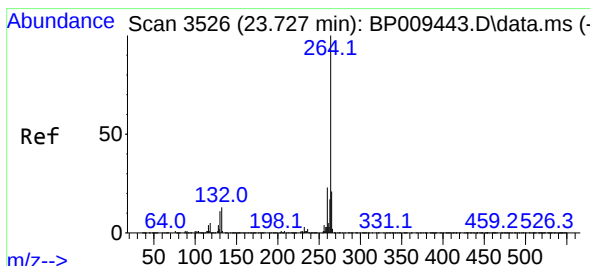
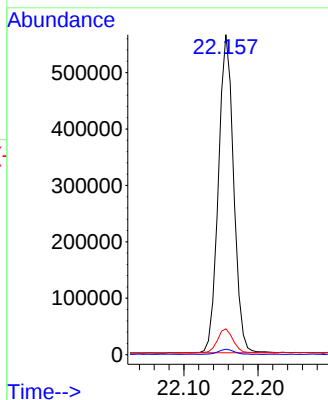
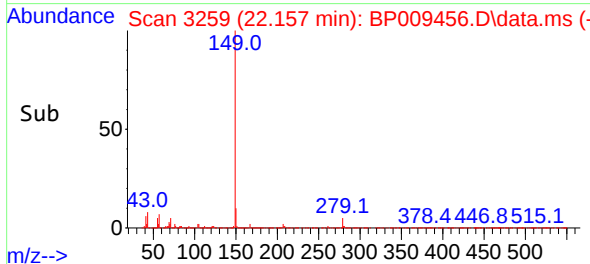
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:149 Resp: 80545
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.9 10.3

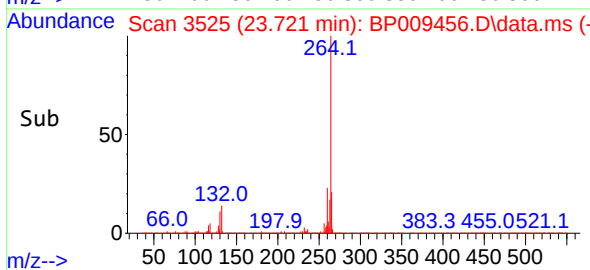
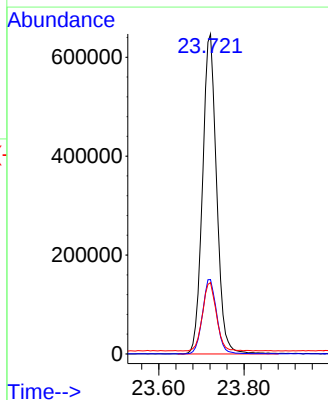
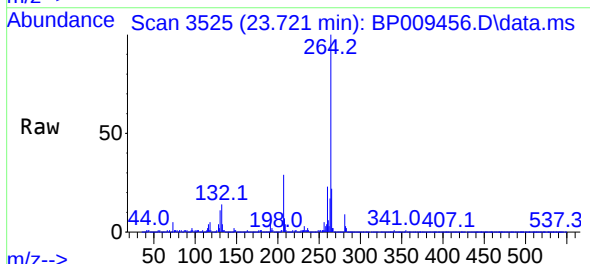
Manual Integrations
APPROVED

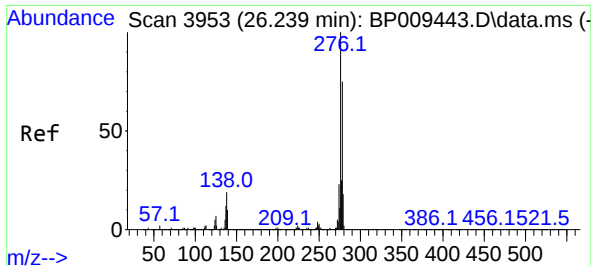
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.721 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

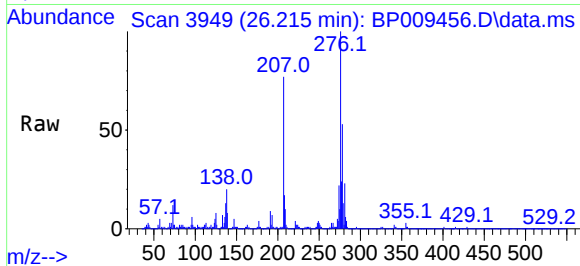
Tgt Ion:264 Resp: 1486427
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.0
265 22.3 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.968 ng
RT: 26.215 min Scan# 3949
Delta R.T. -0.024 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

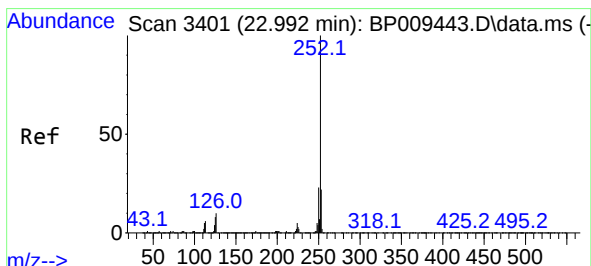
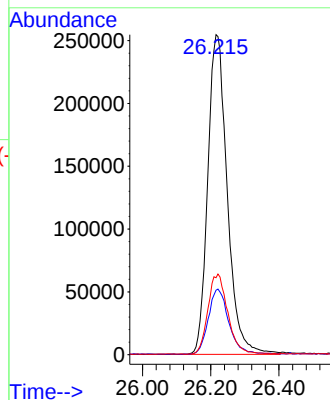
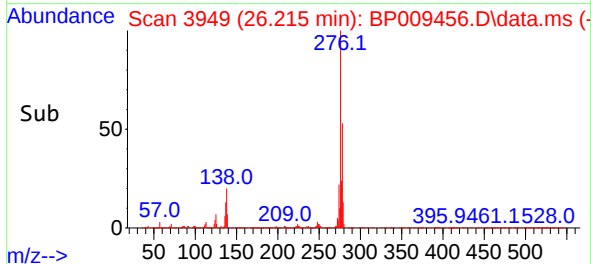
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 276 Resp: 101132
Ion Ratio Lower Upper
276 100
138 21.4 20.5 30.7
277 25.6 20.4 30.6

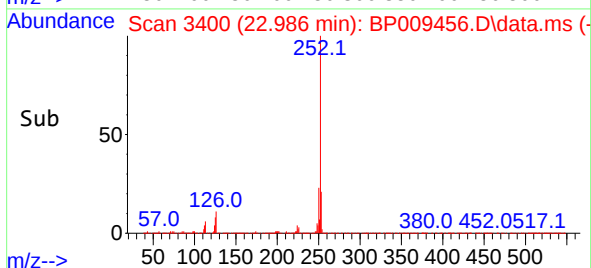
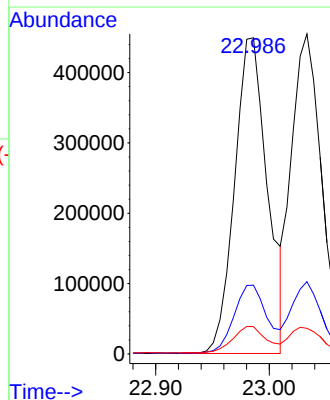
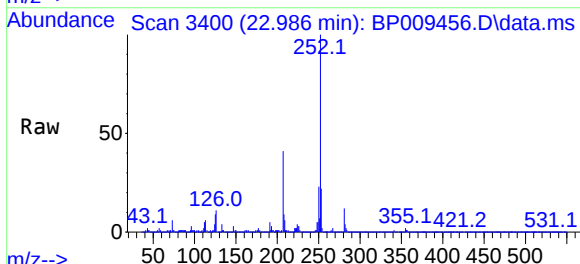
Manual Integrations
APPROVED

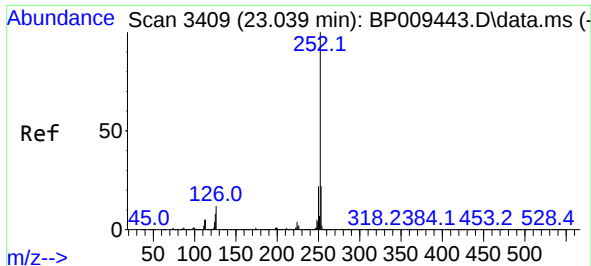
Reviewed By : Christian Giraldo 03/21/2022
Supervised By : Jagrut Upadhyay 03/22/2022



#88
Benzo(b)fluoranthene
Concen: 10.159 ng
RT: 22.986 min Scan# 3400
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion: 252 Resp: 901438
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 8.7 8.1 12.1





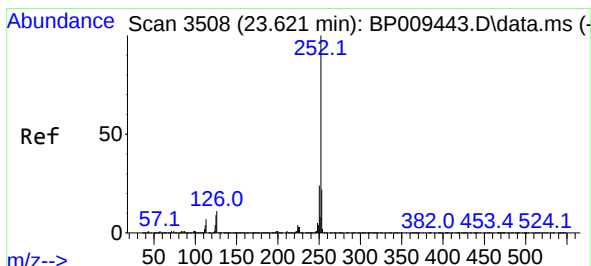
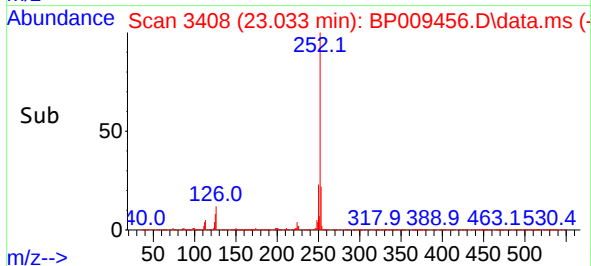
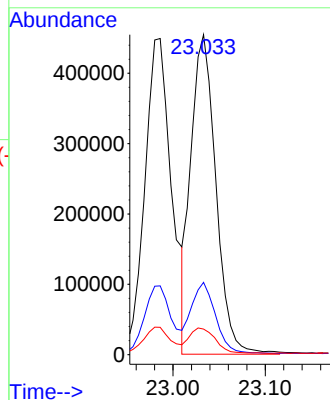
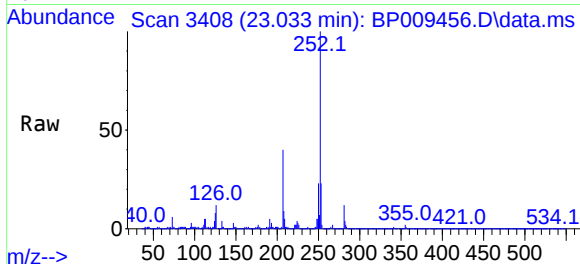
#89
Benzo(k)fluoranthene
Concen: 9.828 ng m
RT: 23.033 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

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

Tgt Ion:252 Resp: 853860
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.0 8.3 12.5

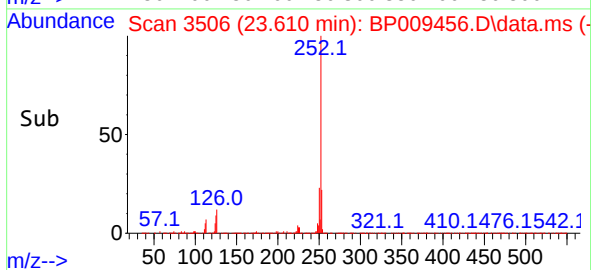
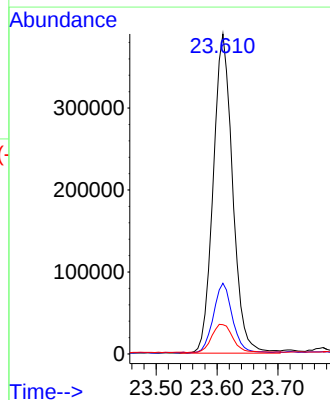
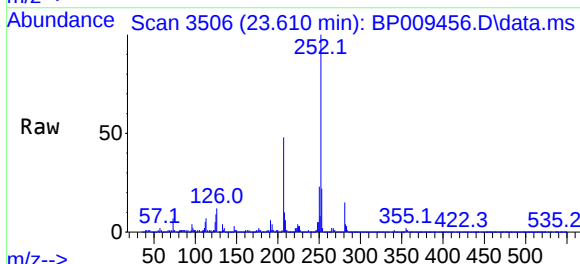
Manual Integrations
APPROVED

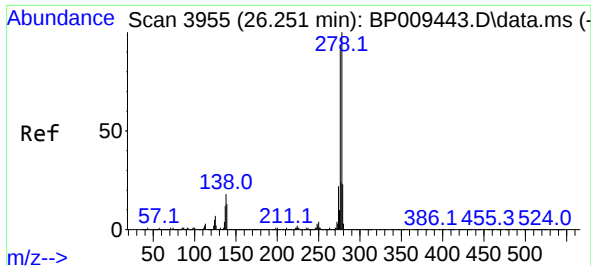
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#90
Benzo(a)pyrene
Concen: 11.347 ng
RT: 23.610 min Scan# 3506
Delta R.T. -0.012 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

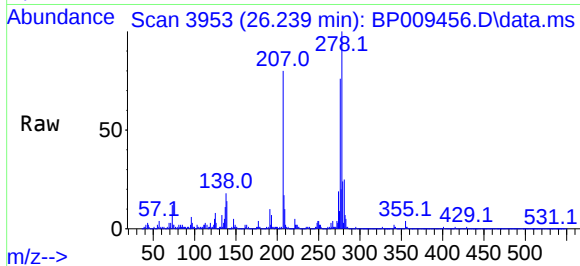
Tgt Ion:252 Resp: 861454
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.1 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 9.488 ng
RT: 26.239 min Scan# 3955
Delta R.T. -0.012 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

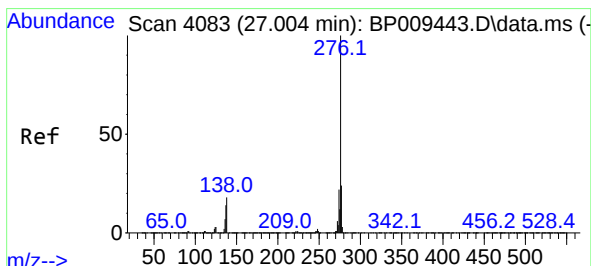
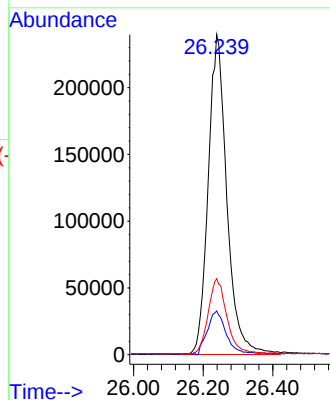
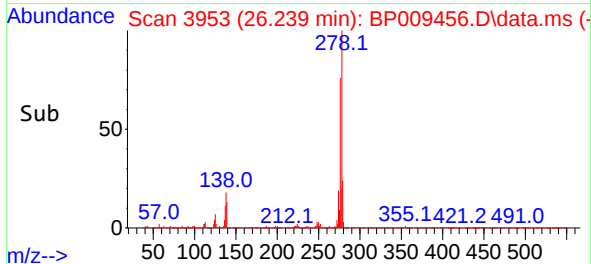
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:278 Resp: 89172
Ion Ratio Lower Upper
278 100
139 13.6 13.2 19.8
279 23.8 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#92
Benzo(g,h,i)perylene
Concen: 9.580 ng
RT: 26.986 min Scan# 4080
Delta R.T. -0.018 min
Lab File: BP009456.D
Acq: 18 Mar 2022 14:20

Tgt Ion:276 Resp: 885734
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 17.7 18.0 27.0#

