

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012668.D
 Acq On : 18 Nov 2022 10:43
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022

Quant Time: Nov 21 03:27:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	256901	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	1097616	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	749851	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	1668670	20.000	ng	0.00
76) Chrysene-d12	21.516	240	1751902	20.000	ng	0.00
86) Perylene-d12	24.045	264	1725759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1437389	101.117	ng	0.00
7) Phenol-d6	7.187	99	1999678	101.007	ng	0.00
23) Nitrobenzene-d5	9.210	82	1482275	84.909	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	940830	109.638	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	4047205	81.212	ng	0.00
79) Terphenyl-d14	19.986	244	6712843	82.790	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	22152	3.880	ng	98
3) Pyridine	3.858	79	57710m	3.202	ng	
4) n-Nitrosodimethylamine	3.769	42	27860	3.620	ng	# 74
6) Aniline	7.363	93	94675	3.796	ng	100
8) 2-Chlorophenol	7.605	128	66746	3.803	ng	98
9) Benzaldehyde	7.175	77	64257	5.565	ng	97
10) Phenol	7.216	94	82187	3.685	ng	98
11) bis(2-Chloroethyl)ether	7.463	93	69108	3.890	ng	98
12) 1,3-Dichlorobenzene	7.934	146	77519	3.979	ng	99
13) 1,4-Dichlorobenzene	8.081	146	79482	4.002	ng	96
14) 1,2-Dichlorobenzene	8.399	146	78510	4.119	ng	99
15) Benzyl Alcohol	8.275	79	49478	3.354	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.581	45	101558	4.051	ng	99
17) 2-Methylphenol	8.475	107	54296	3.511	ng	99
18) Hexachloroethane	9.140	117	28039	4.224	ng	97
19) n-Nitroso-di-n-propyla...	8.852	70	47928	3.562	ng	96
20) 3+4-Methylphenols	8.805	107	69631	3.214	ng	98
22) Acetophenone	8.869	105	113403	4.139	ng	# 98
24) Nitrobenzene	9.252	77	78924	4.187	ng	95
25) Isophorone	9.775	82	153160	3.900	ng	100
26) 2-Nitrophenol	9.969	139	23860	2.919	ng	99
27) 2,4-Dimethylphenol	10.022	122	65089m	4.219	ng	
28) bis(2-Chloroethoxy)met...	10.263	93	95973	4.297	ng	98
29) 2,4-Dichlorophenol	10.499	162	62085	3.463	ng	99
30) 1,2,4-Trichlorobenzene	10.722	180	74755	3.884	ng	99
31) Naphthalene	10.916	128	240006	3.977	ng	99
32) Benzoic acid	10.057	122	16485m	1.365	ng	
33) 4-Chloroaniline	11.016	127	89749	3.570	ng	99
34) Hexachlorobutadiene	11.204	225	45785	4.027	ng	98
35) Caprolactam	11.763	113	17883	3.063	ng	# 88
36) 4-Chloro-3-methylphenol	12.122	107	65292	3.392	ng	98
37) 2-Methylnaphthalene	12.516	142	166886	3.867	ng	99
38) 1-Methylnaphthalene	12.734	142	163360	3.853	ng	97
40) 1,2,4,5-Tetrachloroben...	12.875	216	90032	4.117	ng	100
41) Hexachlorocyclopentadiene	12.863	237	33475	4.024	ng	92
43) 2,4,6-Trichlorophenol	13.110	196	52576	3.377	ng	97

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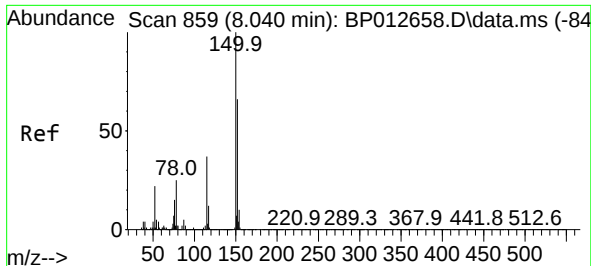
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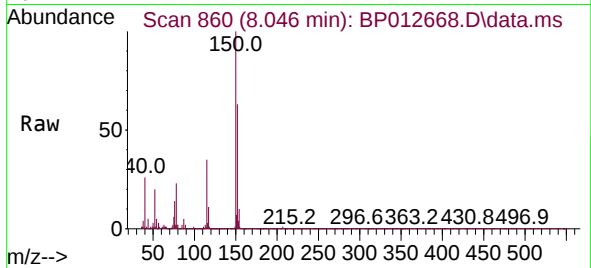
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	57235	3.322	ng	99
46) 1,1'-Biphenyl	13.516	154	237029	4.227	ng	99
47) 2-Chloronaphthalene	13.557	162	174378	3.916	ng	99
48) 2-Nitroaniline	13.751	65	19741	2.215	ng	97
49) Acenaphthylene	14.404	152	274301	3.775	ng	99
50) Dimethylphthalate	14.134	163	214893	3.638	ng	99
51) 2,6-Dinitrotoluene	14.245	165	24283	2.344	ng	92
52) Acenaphthene	14.745	154	174142	3.755	ng	95
53) 3-Nitroaniline	14.575	138	26121	2.202	ng	95
54) 2,4-Dinitrophenol	14.775	184	10010	1.741	ng	94
55) Dibenzofuran	15.075	168	281341	4.019	ng	99
56) 4-Nitrophenol	14.863	139	24484	2.205	ng	98
57) 2,4-Dinitrotoluene	15.028	165	28349	2.058	ng	# 90
58) Fluorene	15.728	166	225018	4.084	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.298	232	52406	3.379	ng	99
60) Diethylphthalate	15.498	149	201227	3.463	ng	99
61) 4-Chlorophenyl-phenyle...	15.722	204	111245	4.200	ng	99
62) 4-Nitroaniline	15.734	138	22664	1.953	ng	94
63) Azobenzene	16.016	77	194614	3.666	ng	97
65) 4,6-Dinitro-2-methylph...	15.792	198	12990	1.585	ng	85
66) n-Nitrosodiphenylamine	15.934	169	177948	3.578	ng	99
67) 4-Bromophenyl-phenylether	16.622	248	60739	3.481	ng	95
68) Hexachlorobenzene	16.734	284	81923	4.048	ng	98
69) Atrazine	16.886	200	43773	3.341	ng	98
70) Pentachlorophenol	17.075	266	40052	3.050	ng	98
71) Phenanthrene	17.475	178	369136	3.900	ng	99
72) Anthracene	17.569	178	356598	3.905	ng	98
73) Carbazole	17.833	167	325453	3.753	ng	99
74) Di-n-butylphthalate	18.386	149	260178	2.877	ng	99
75) Fluoranthene	19.433	202	412380	3.678	ng	98
77) Benzidine	19.604	184	68129	2.829	ng	99
78) Pyrene	19.786	202	429210	3.467	ng	99
80) Butylbenzylphthalate	20.657	149	49793	2.228	ng	97
81) Benzo(a)anthracene	21.504	228	439077	3.575	ng	98
82) 3,3'-Dichlorobenzidine	21.427	252	65255	2.111	ng	97
83) Chrysene	21.557	228	424404	3.644	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	84884	2.096	ng	94
85) Di-n-octyl phthalate	22.404	149	139628	1.630	ng	# 89
87) Indeno(1,2,3-cd)pyrene	26.704	276	380761	3.031	ng	98
88) Benzo(b)fluoranthene	23.268	252	398225	3.486	ng	100
89) Benzo(k)fluoranthene	23.321	252	420773	3.706	ng	98
90) Benzo(a)pyrene	23.933	252	321029	3.386	ng	98
91) Dibenzo(a,h)anthracene	26.727	278	346254	3.333	ng	97
92) Benzo(g,h,i)perylene	27.509	276	326933	3.240	ng	99

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.046 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

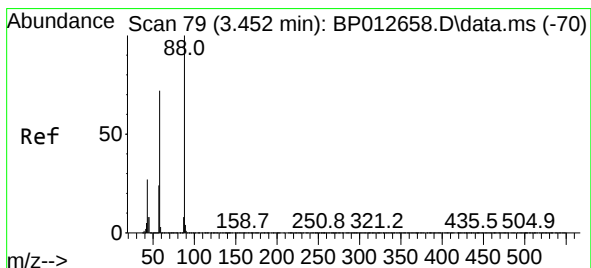
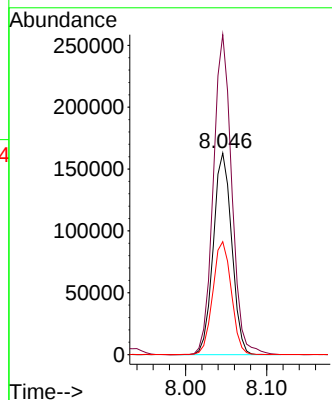
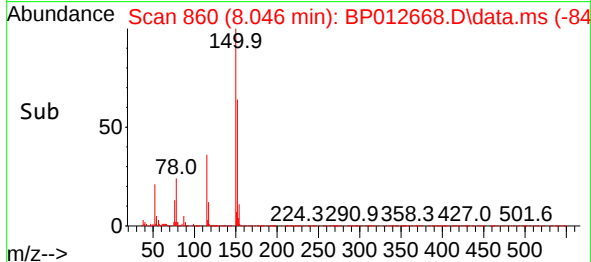
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 152 Resp: 256901
 Ion Ratio Lower Upper
 152 100
 150 158.8 121.8 182.8
 115 56.0 45.4 68.2

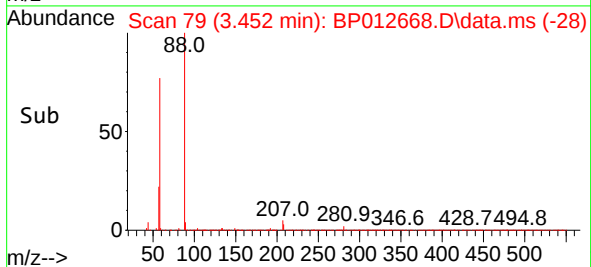
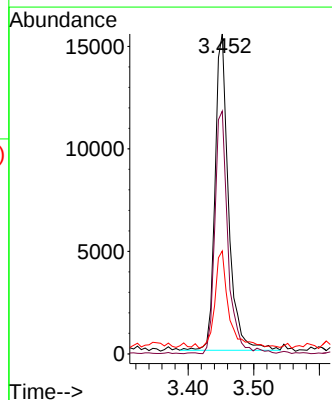
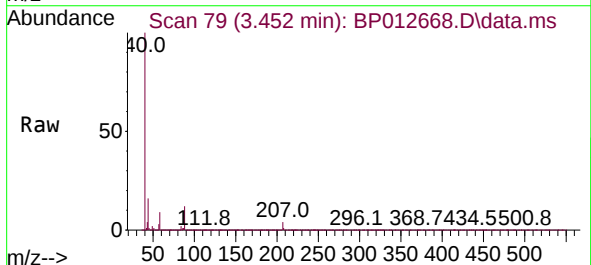
Manual Integrations
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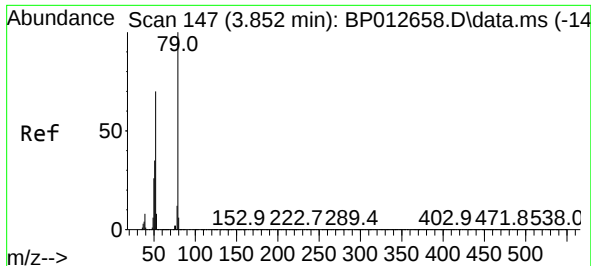
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#2
 1,4-Dioxane
 Concen: 3.880 ng
 RT: 3.452 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

Tgt Ion: 88 Resp: 22152
 Ion Ratio Lower Upper
 88 100
 58 74.6 59.3 88.9
 43 31.5 23.0 34.4





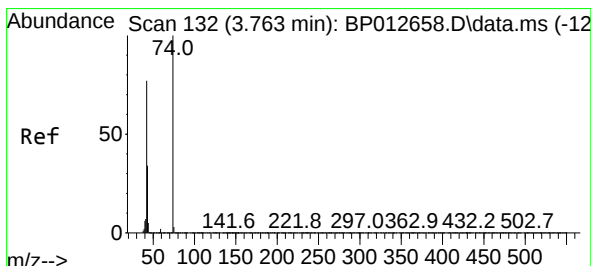
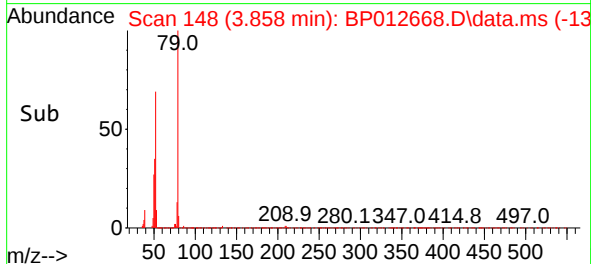
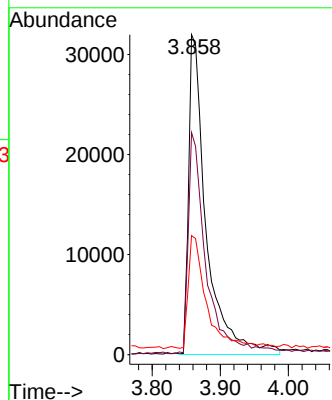
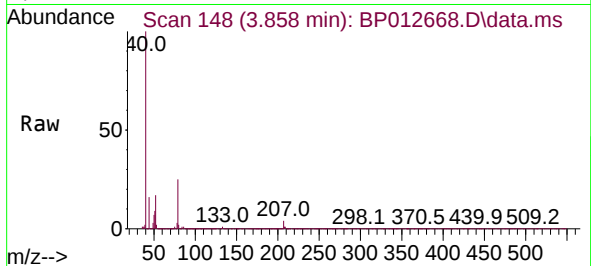
#3
Pyridine
Concen: 3.202 ng m
RT: 3.858 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 79 Resp: 57710
Ion Ratio Lower Upper
79 100
52 69.4 56.1 84.1
51 37.2 28.1 42.1

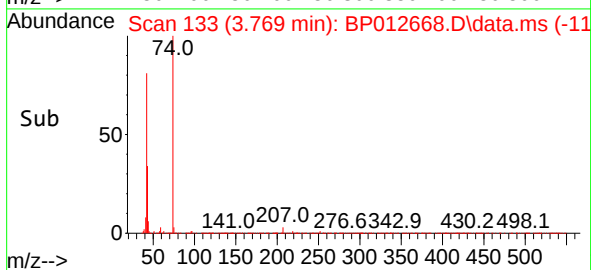
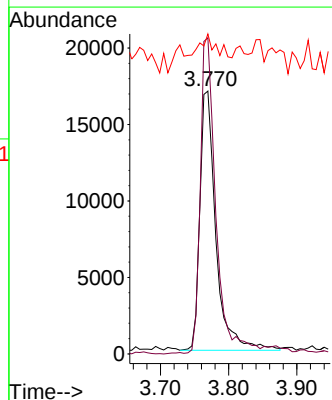
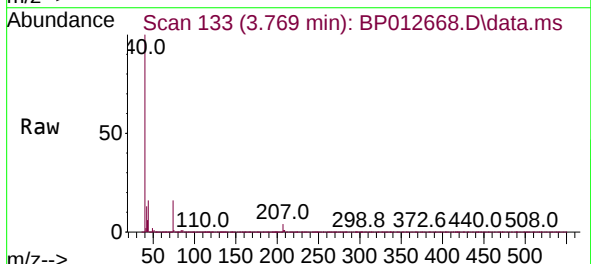
Manual Integrations
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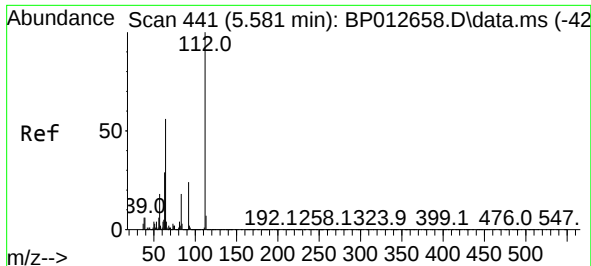
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#4
n-Nitrosodimethylamine
Concen: 3.620 ng
RT: 3.769 min Scan# 133
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

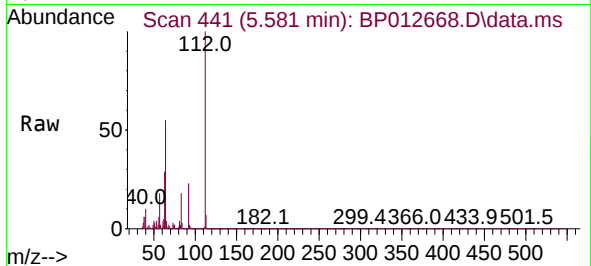
Tgt Ion: 42 Resp: 27860
Ion Ratio Lower Upper
42 100
74 120.2 103.5 155.3
44 121.7 6.4 9.6#





#5
2-Fluorophenol
Concen: 101.117 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

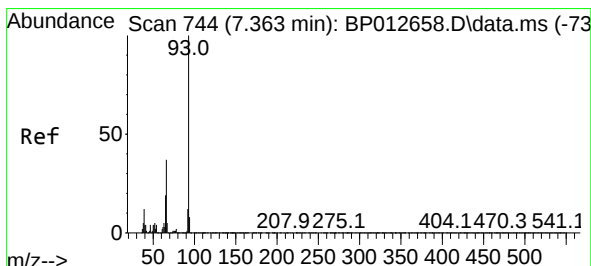
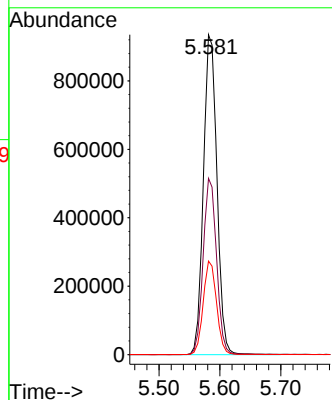
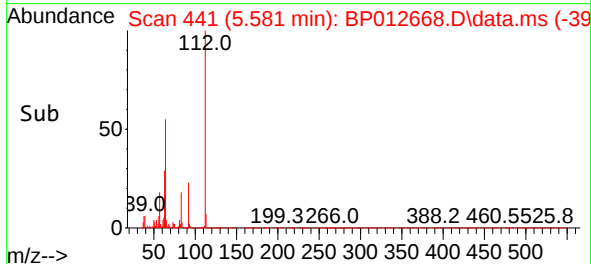
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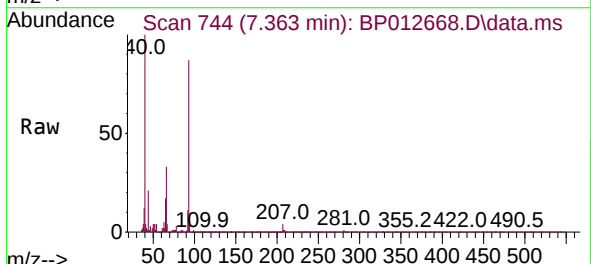
Tgt Ion: 112 Resp: 1437389
Ion Ratio Lower Upper
112 100
64 55.1 44.7 67.1
63 29.3 23.3 34.9

Manual Integrations
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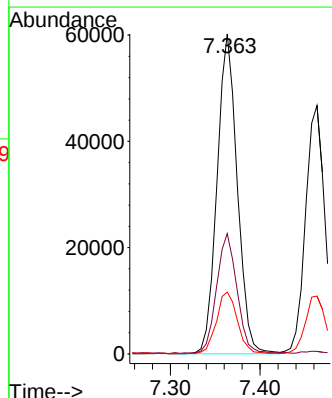
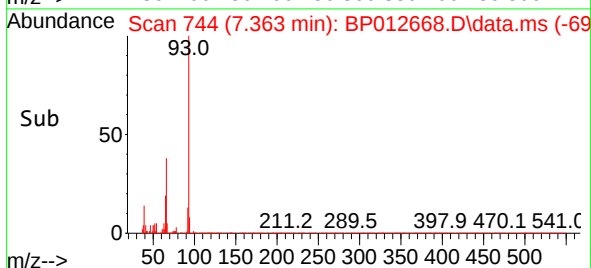
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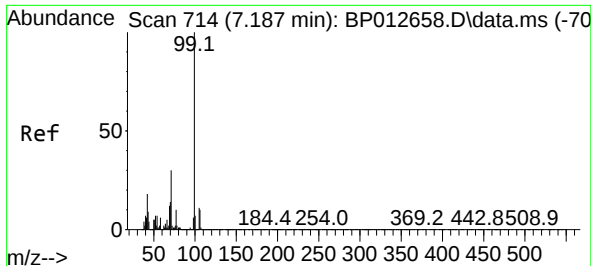


#6
Aniline
Concen: 3.796 ng
RT: 7.363 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012668.D
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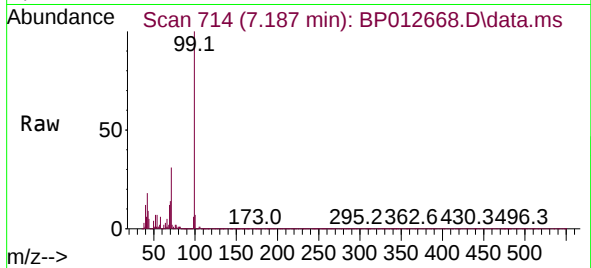
Tgt Ion: 93 Resp: 94675
Ion Ratio Lower Upper
93 100
66 37.6 29.9 44.9
65 19.3 15.4 23.2





#7
Phenol-d6
Concen: 101.007 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

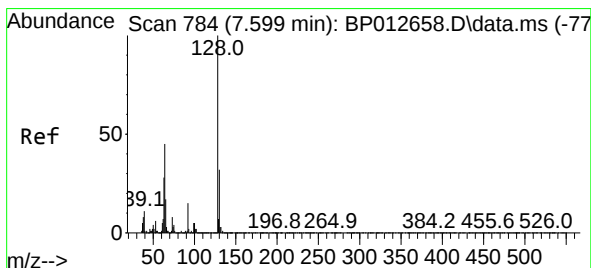
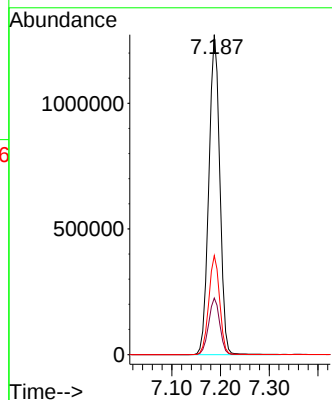
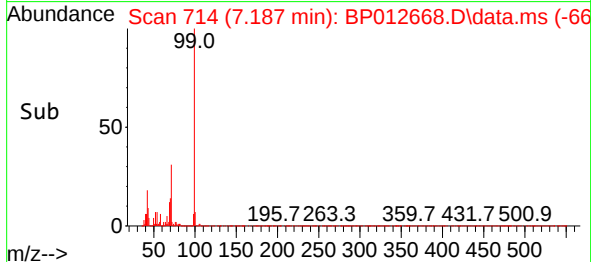
Instrument :
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Tgt Ion: 99 Resp: 1999678
Ion Ratio Lower Upper
99 100
42 17.7 14.2 21.2
71 30.9 24.4 36.6

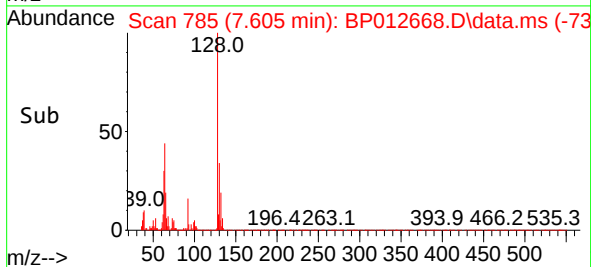
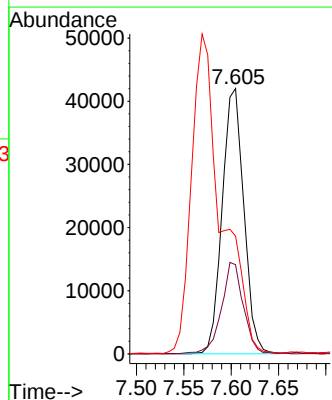
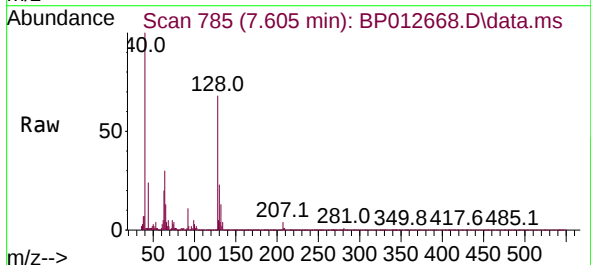
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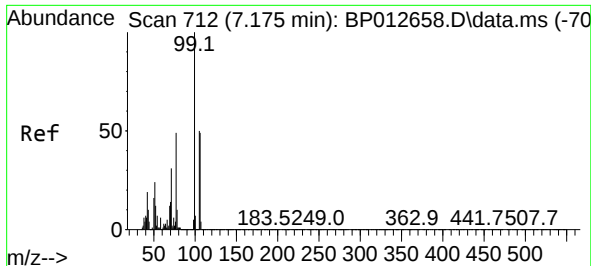
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 3.803 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

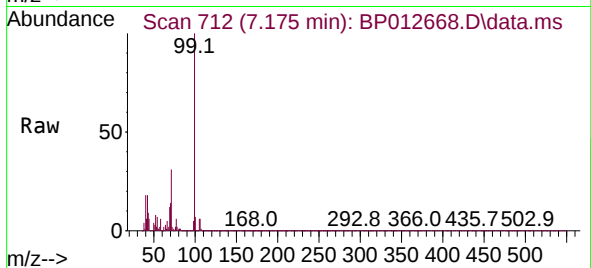
Tgt Ion:128 Resp: 66746
Ion Ratio Lower Upper
128 100
130 33.6 12.0 52.0
64 44.4 25.5 65.5





#9
Benzaldehyde
Concen: 5.565 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012668.D
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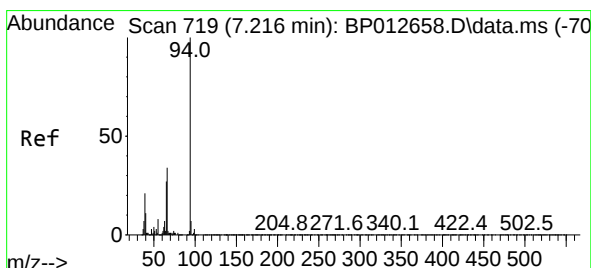
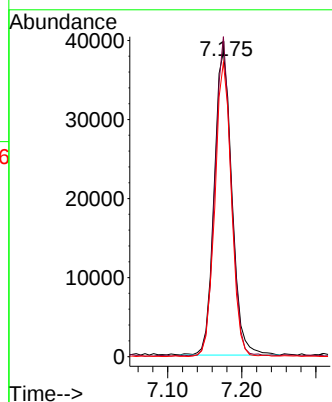
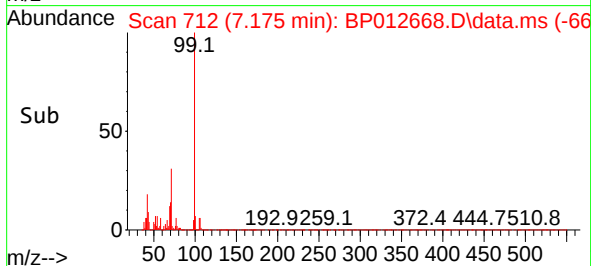
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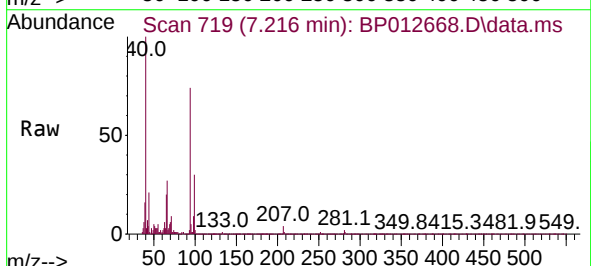
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Ion Ratio Lower Upper
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106 96.6 79.6 119.6

Manual Integrations
APPROVED

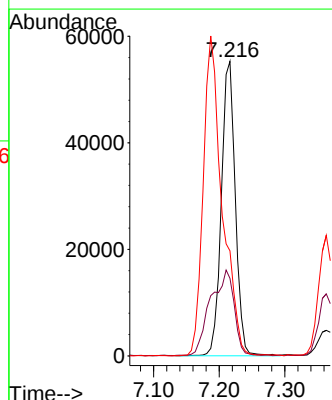
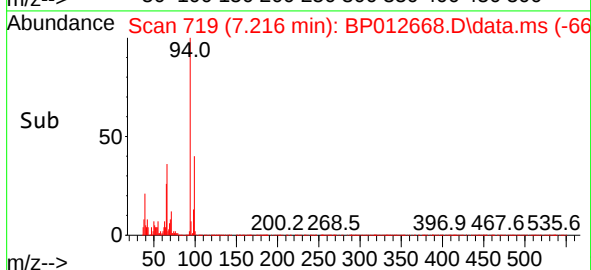
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

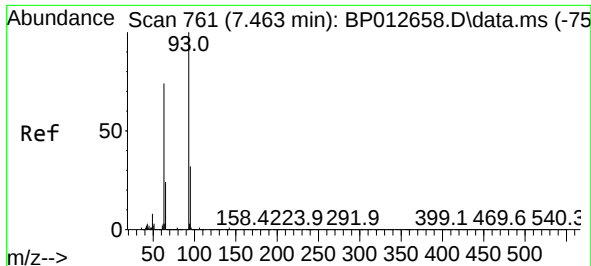


#10
Phenol
Concen: 3.685 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



Tgt Ion: 94 Resp: 82187
Ion Ratio Lower Upper
94 100
65 26.3 6.8 46.8
66 35.7 13.9 53.9





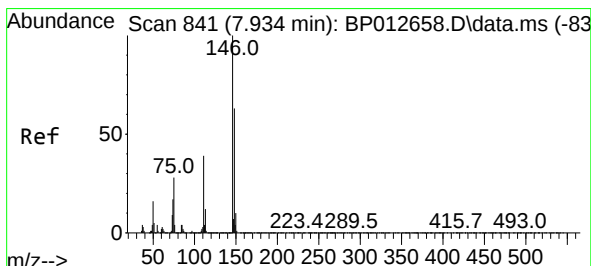
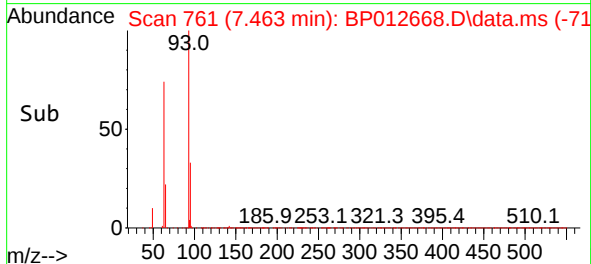
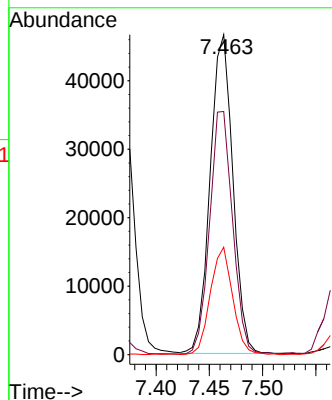
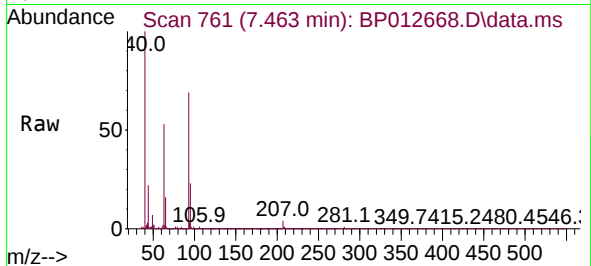
#11
bis(2-Chloroethyl)ether
Concen: 3.890 ng
RT: 7.463 min Scan# 761
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 93 Resp: 69108
Ion Ratio Lower Upper
93 100
63 76.0 53.9 93.9
95 33.6 12.3 52.3

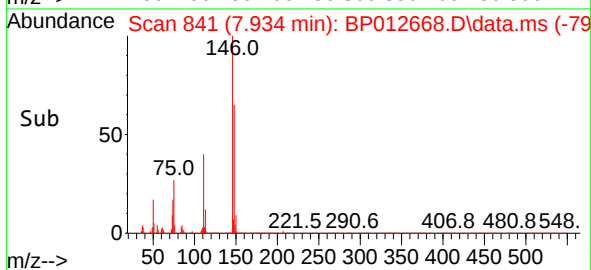
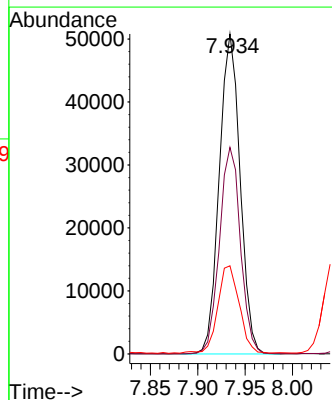
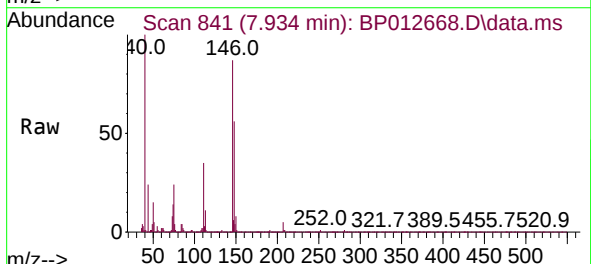
Manual Integrations
APPROVED

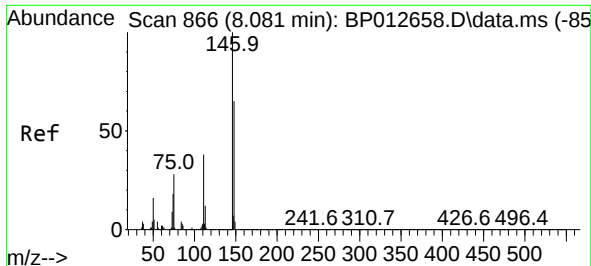
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 3.979 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:146 Resp: 77519
Ion Ratio Lower Upper
146 100
148 64.5 50.6 76.0
75 27.5 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 4.002 ng

RT: 8.081 min Scan# 866

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

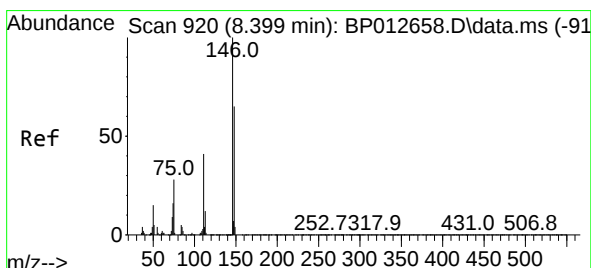
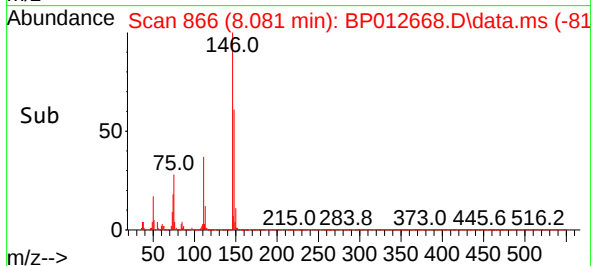
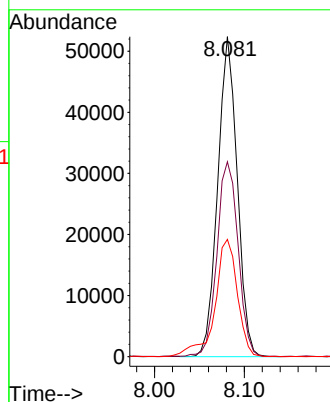
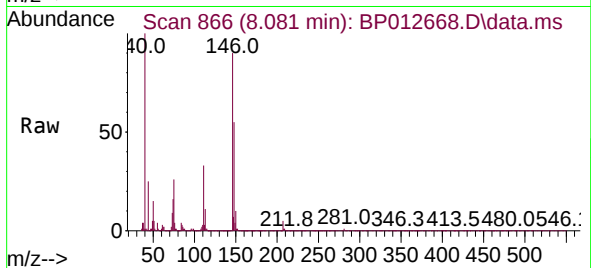
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	146	Resp:	79482
Ion Ratio	Lower	Upper	
146	100		
148	60.9	52.2	78.4
111	36.6	30.6	45.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

Concen: 4.119 ng

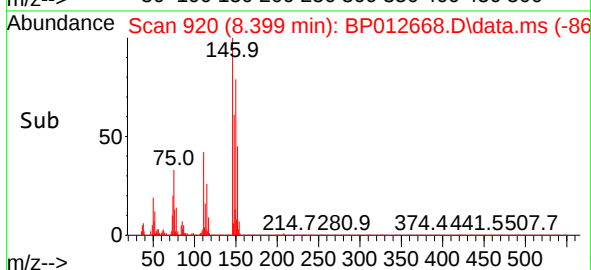
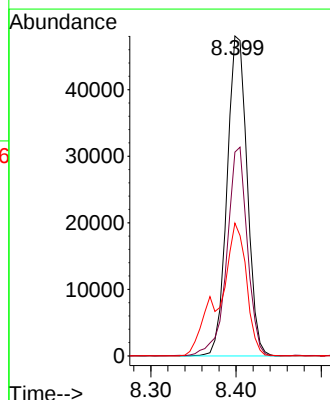
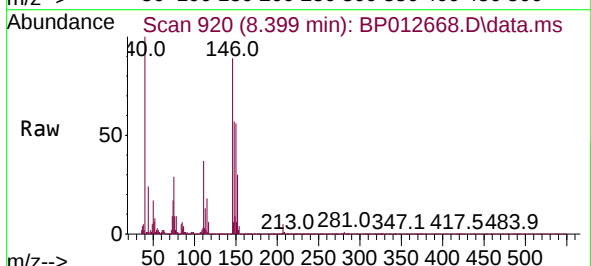
RT: 8.399 min Scan# 920

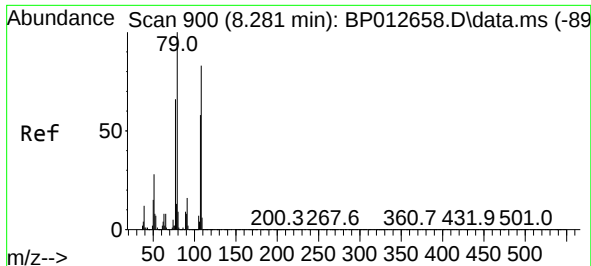
Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:	146	Resp:	78510
Ion Ratio	Lower	Upper	
146	100		
148	63.7	52.1	78.1
111	41.5	32.8	49.2





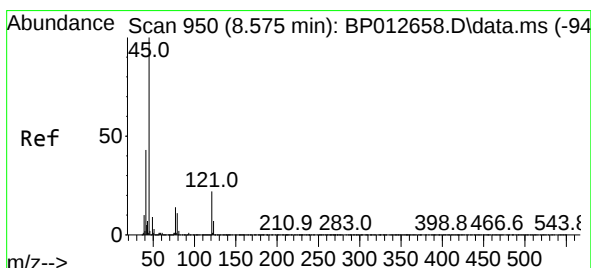
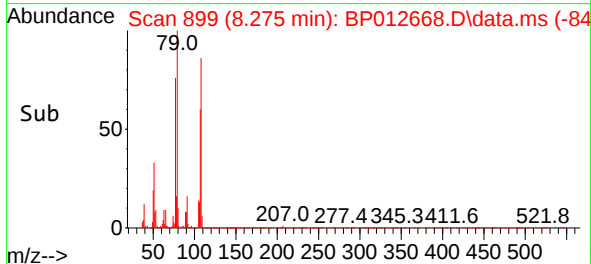
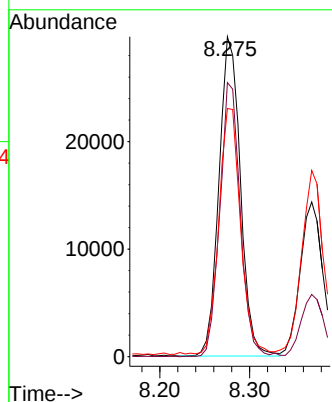
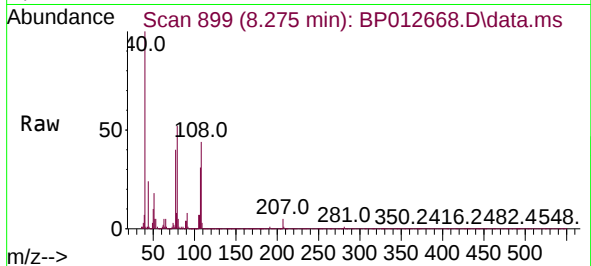
#15
Benzyl Alcohol
Concen: 3.354 ng
RT: 8.275 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 79 Resp: 49478
Ion Ratio Lower Upper
79 100
108 85.6 66.4 99.6
77 77.5 53.2 79.8

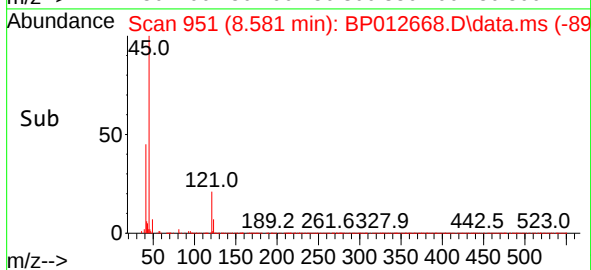
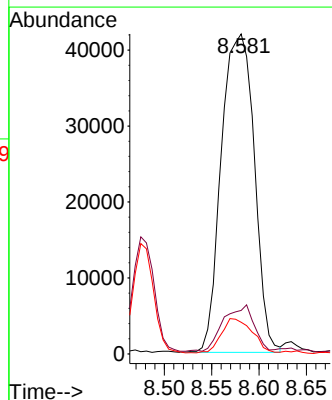
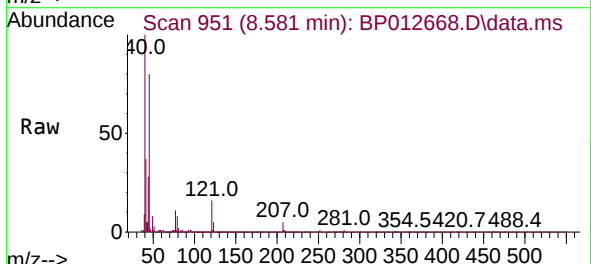
Manual Integrations
APPROVED

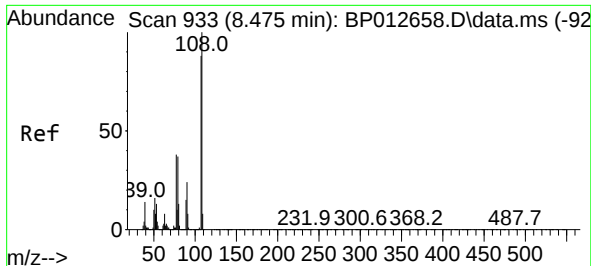
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.051 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion: 45 Resp: 101558
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.8
79 9.9 0.0 30.7





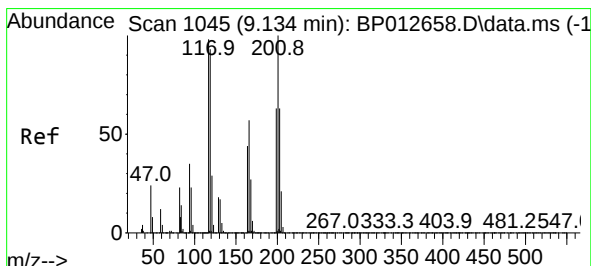
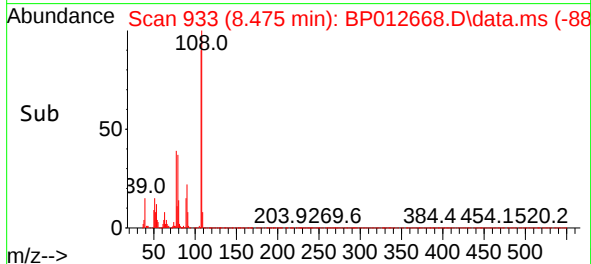
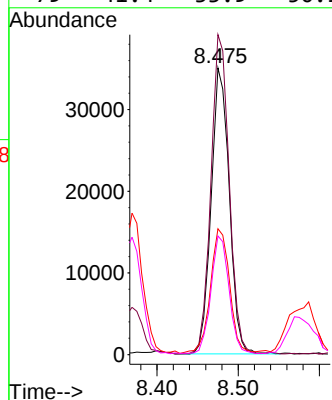
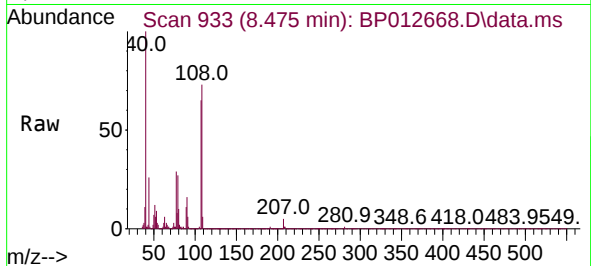
#17
2-Methylphenol
Concen: 3.511 ng
RT: 8.475 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	107	Resp:	54296
Ion Ratio	Lower	Upper	
107	100		
108	111.6	91.0	136.6
77	43.9	35.1	52.7
79	41.4	33.9	50.9

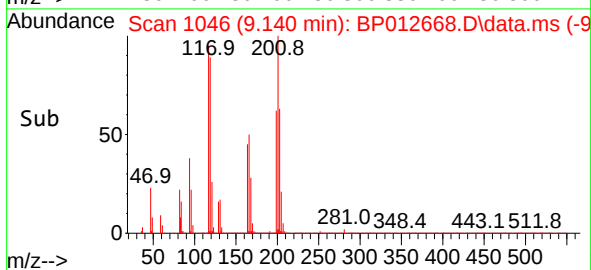
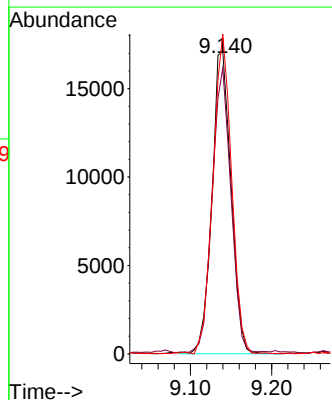
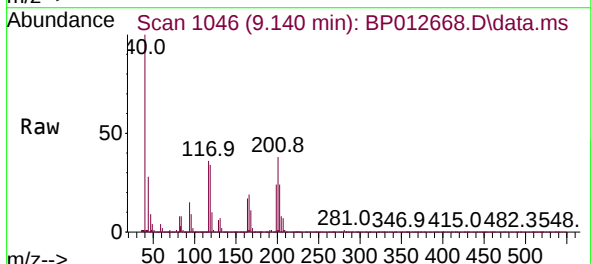
Manual Integrations
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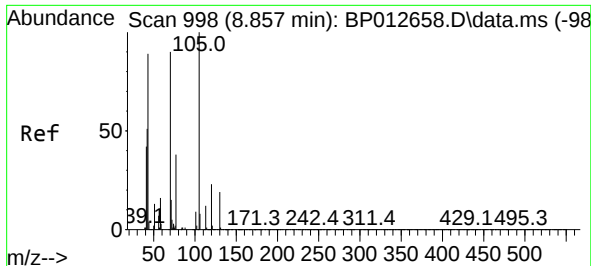
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 4.224 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:	117	Resp:	28039
Ion Ratio	Lower	Upper	
117	100		
119	95.4	76.1	114.1
201	107.7	81.8	122.8





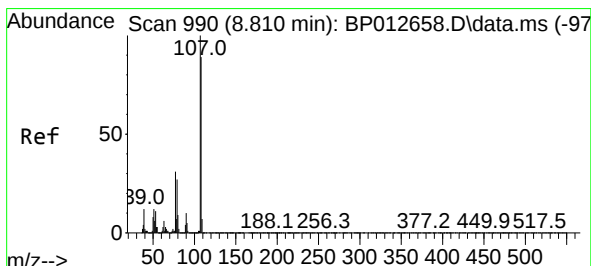
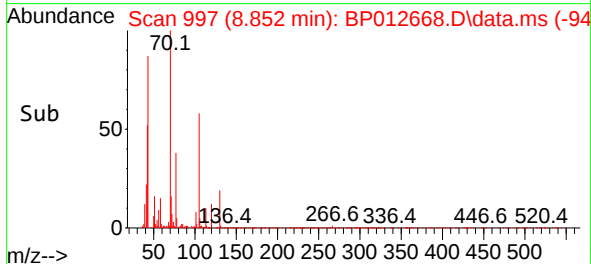
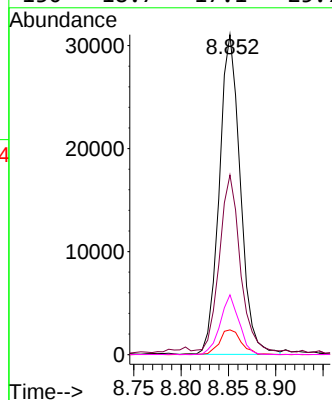
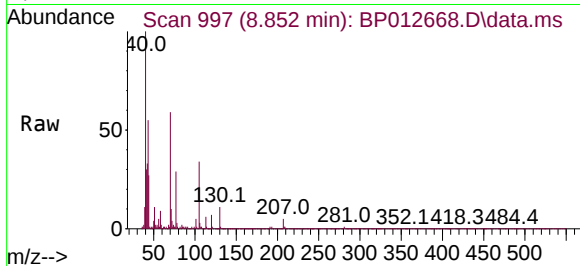
#19
n-Nitroso-di-n-propylamine
Concen: 3.562 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 70 Resp: 47928
Ion Ratio Lower Upper
70 100
42 56.1 46.4 69.6
101 7.7 7.6 11.4
130 18.7 17.1 25.7

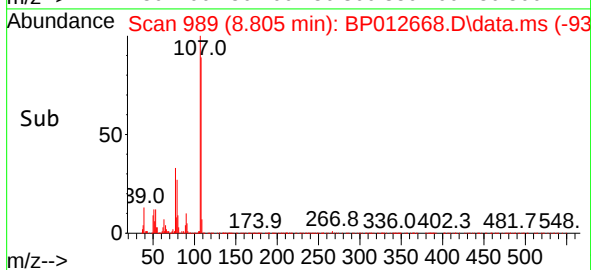
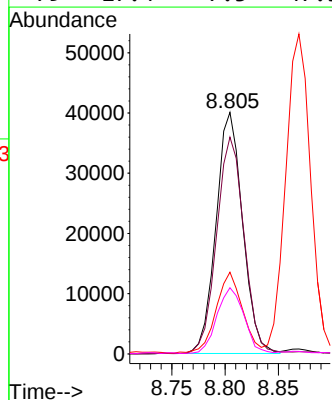
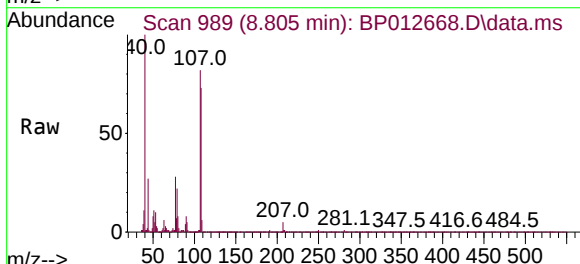
Manual Integrations
APPROVED

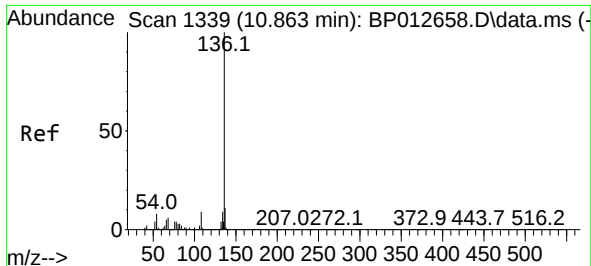
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 3.214 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

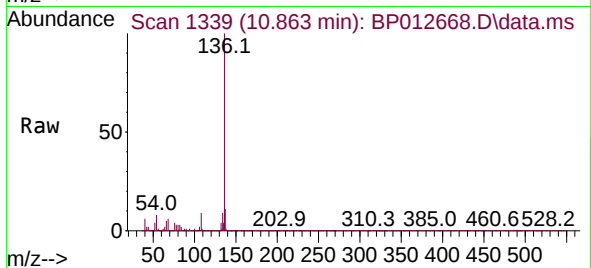
Tgt Ion: 107 Resp: 69631
Ion Ratio Lower Upper
107 100
108 89.7 69.1 109.1
77 33.8 10.8 50.8
79 27.4 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

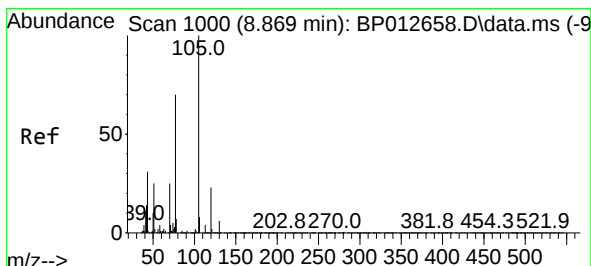
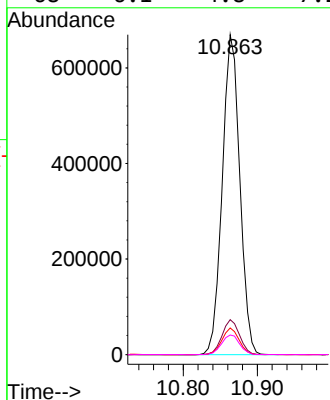
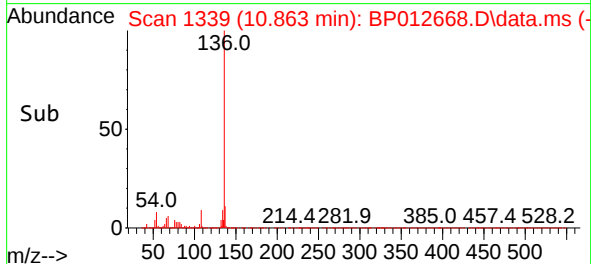
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



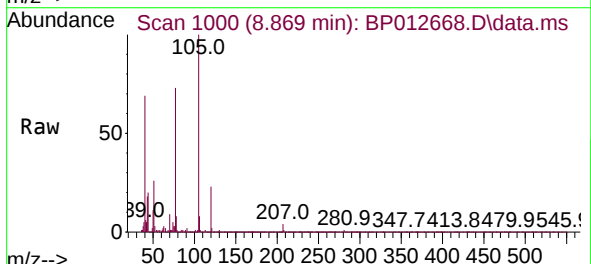
Tgt Ion:136 Resp: 1097616
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.3 6.3 9.5
68 6.1 4.8 7.2

Manual Integrations
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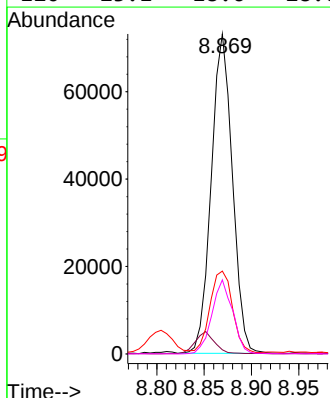
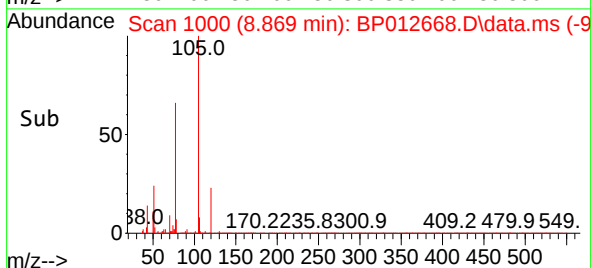
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

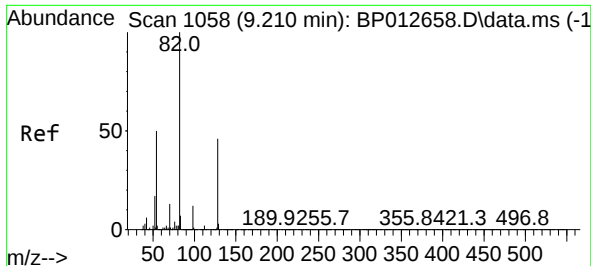


#22
Acetophenone
Concen: 4.139 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



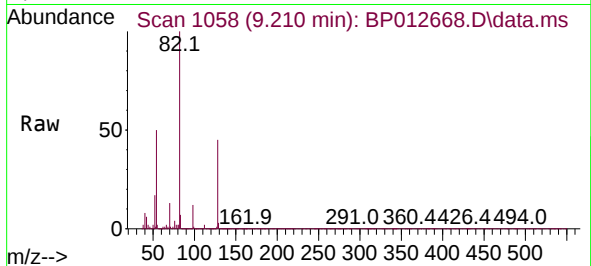
Tgt Ion:105 Resp: 113403
Ion Ratio Lower Upper
105 100
71 1.3 3.1 4.7#
51 25.9 21.4 32.2
120 23.1 18.6 28.0





#23
Nitrobenzene-d5
Concen: 84.909 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

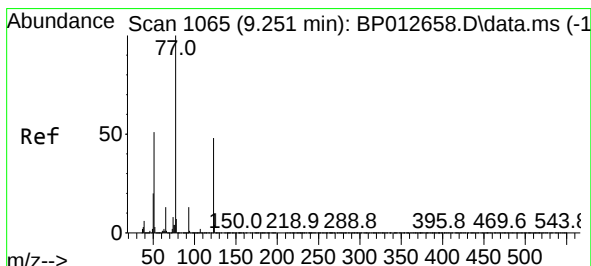
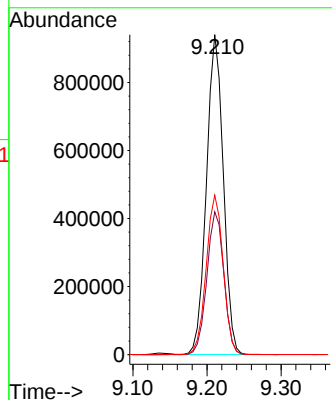
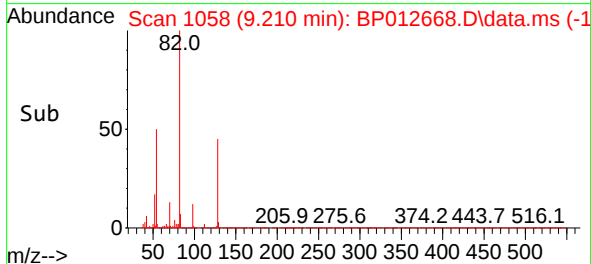
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



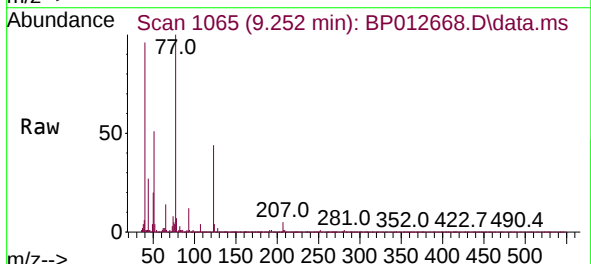
Tgt Ion: 82 Resp: 1482275
Ion Ratio Lower Upper
82 100
128 44.6 36.5 54.7
54 49.9 39.9 59.9

Manual Integrations
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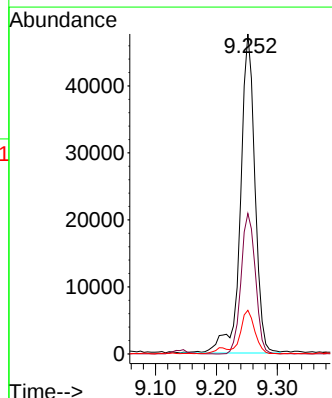
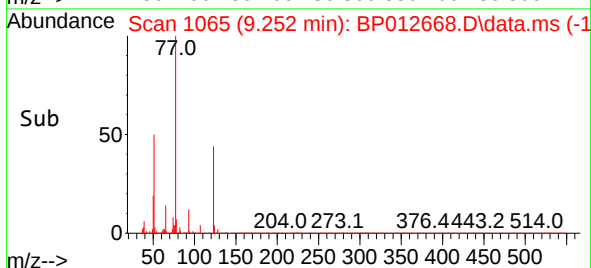
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

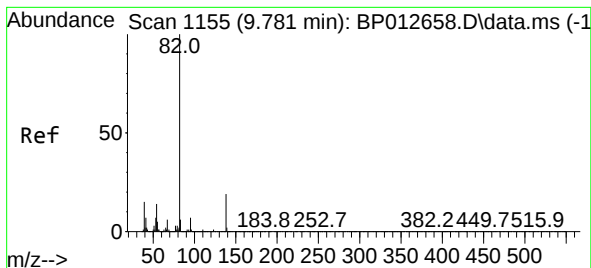


#24
Nitrobenzene
Concen: 4.187 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



Tgt Ion: 77 Resp: 78924
Ion Ratio Lower Upper
77 100
123 43.9 38.7 58.1
65 13.6 10.6 15.8





#25

Isophorone

Concen: 3.900 ng

RT: 9.775 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

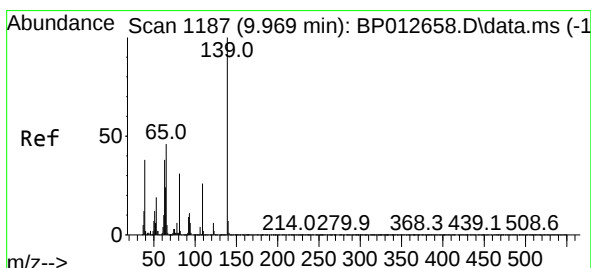
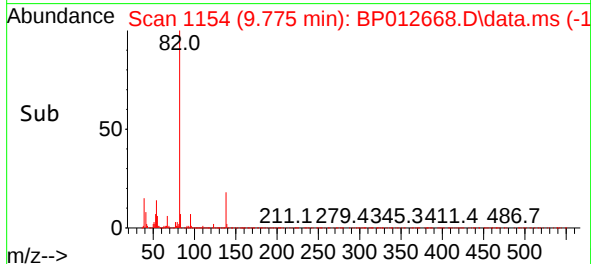
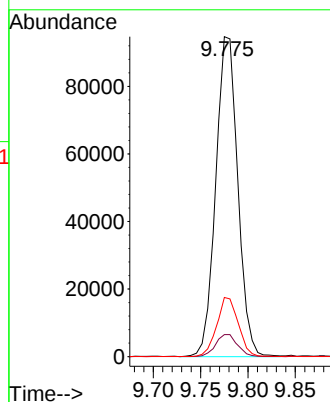
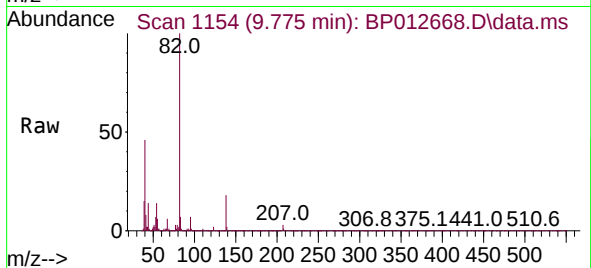
Tgt Ion:	82	Resp:	153160
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	18.5	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#26

2-Nitrophenol

Concen: 2.919 ng

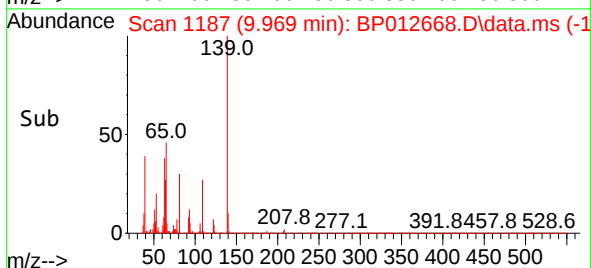
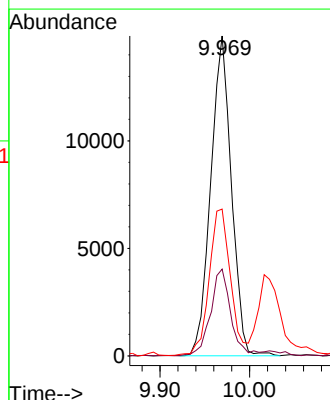
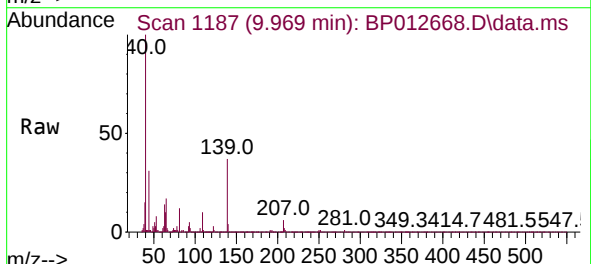
RT: 9.969 min Scan# 1187

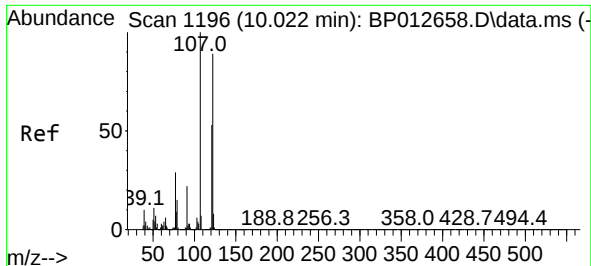
Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

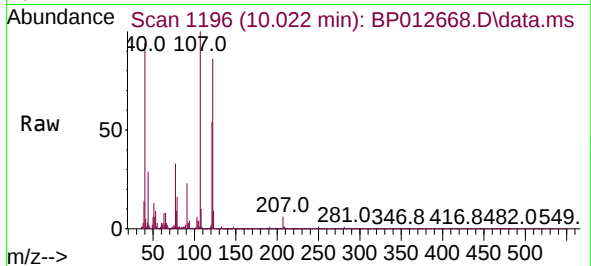
Tgt Ion:	139	Resp:	23860
Ion	Ratio	Lower	Upper
139	100		
109	27.1	20.9	31.3
65	45.9	36.6	54.8





#27
2,4-Dimethylphenol
Concen: 4.219 ng m
RT: 10.022 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

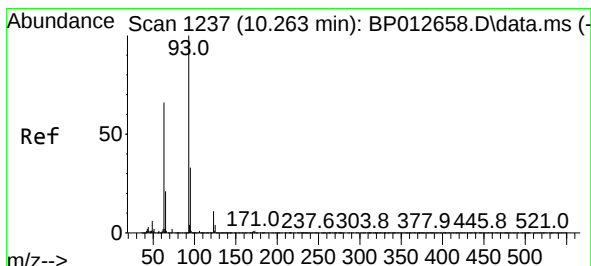
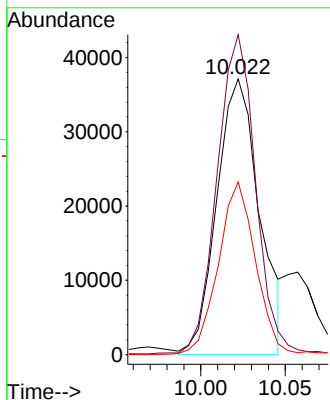
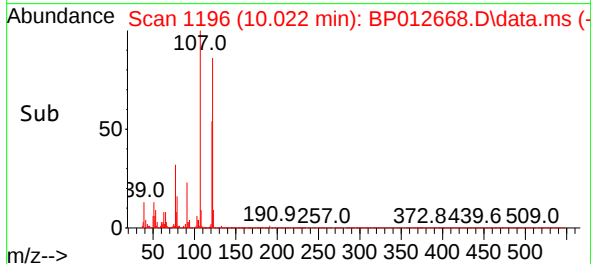
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:122 Resp: 65089
Ion Ratio Lower Upper
122 100
107 116.1 89.2 133.8
121 62.7 47.1 70.7

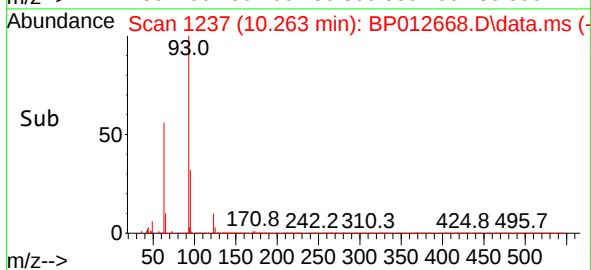
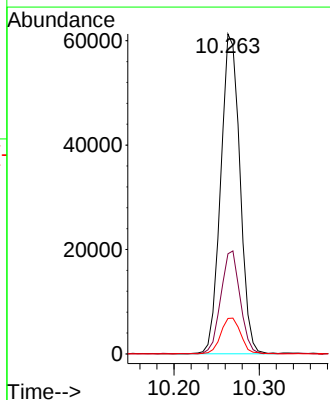
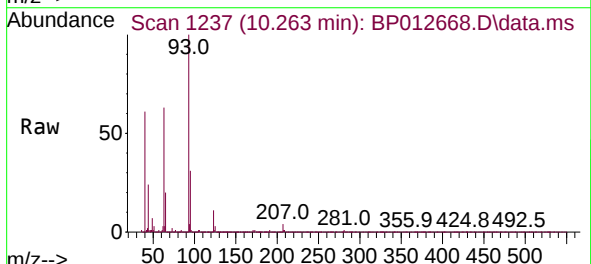
Manual Integrations
APPROVED

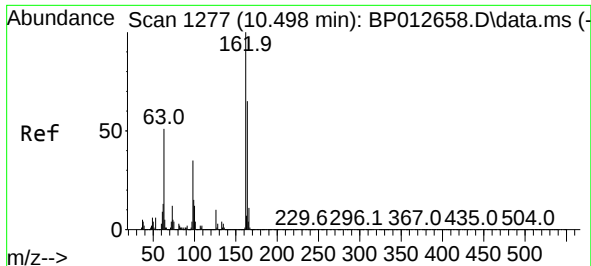
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#28
bis(2-Chloroethoxy)methane
Concen: 4.297 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion: 93 Resp: 95973
Ion Ratio Lower Upper
93 100
95 31.3 26.2 39.4
123 11.1 9.1 13.7





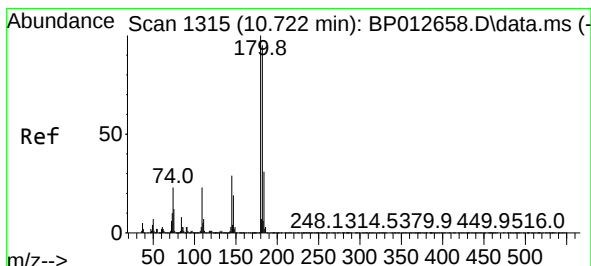
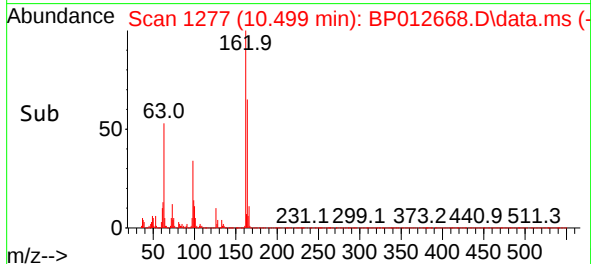
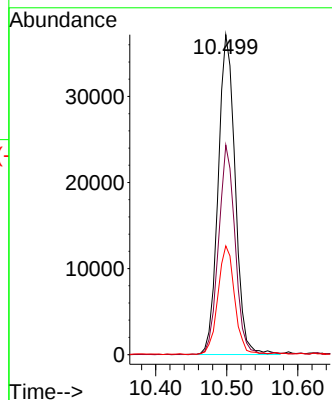
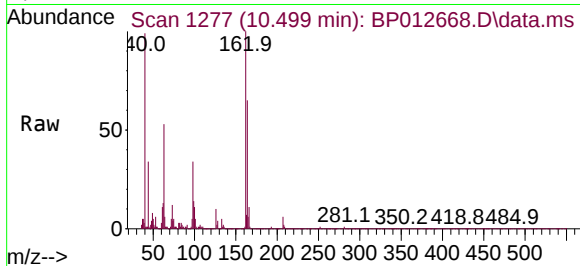
#29
2,4-Dichlorophenol
Concen: 3.463 ng
RT: 10.499 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162 Resp: 62085
Ion Ratio Lower Upper
162 100
164 65.5 44.7 84.7
98 34.0 14.9 54.9

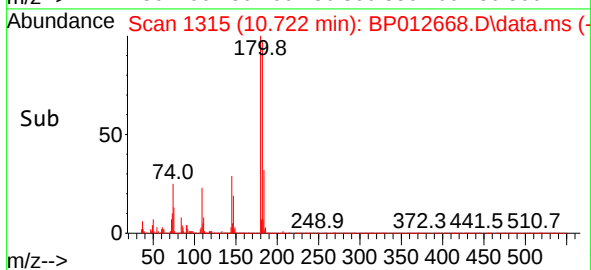
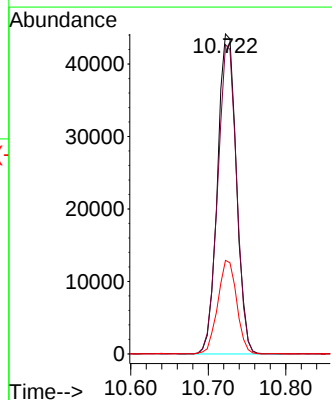
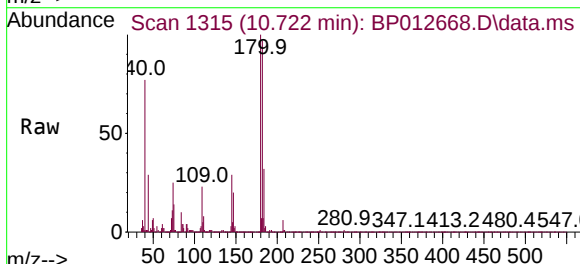
Manual Integrations
APPROVED

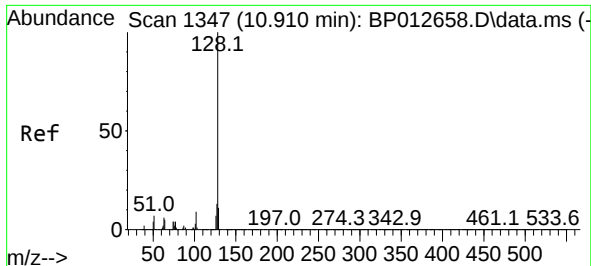
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#30
1,2,4-Trichlorobenzene
Concen: 3.884 ng
RT: 10.722 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

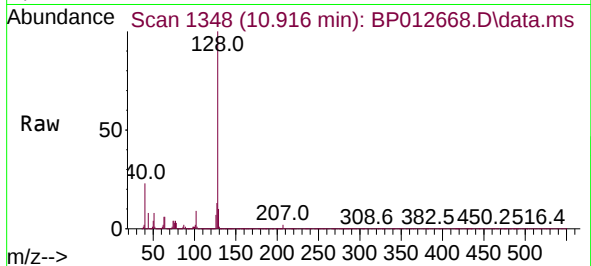
Tgt Ion:180 Resp: 74755
Ion Ratio Lower Upper
180 100
182 96.6 76.1 114.1
145 29.2 23.0 34.4





#31
Naphthalene
Concen: 3.977 ng
RT: 10.916 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

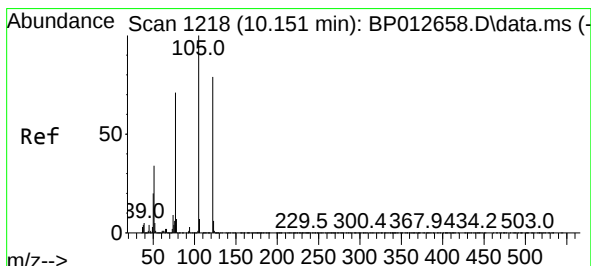
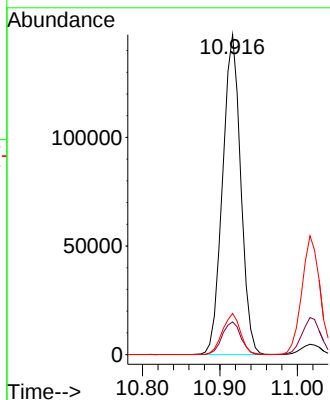
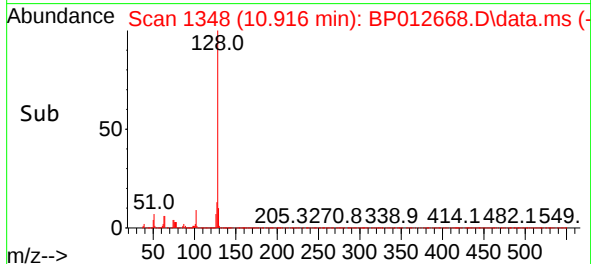
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:128 Resp: 240000
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 12.9 10.5 15.7

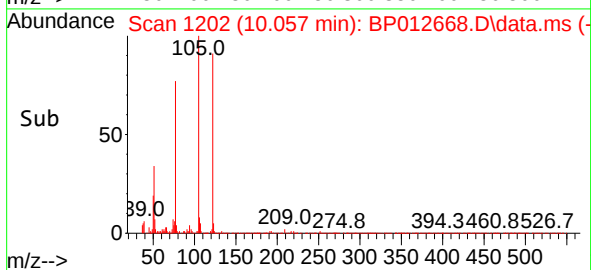
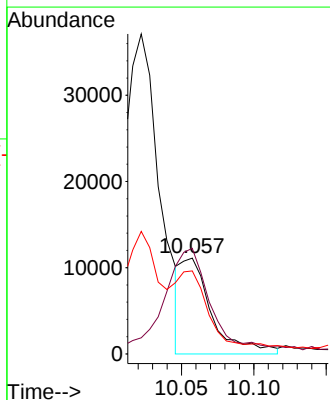
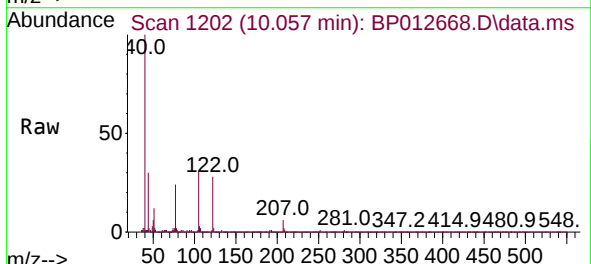
Manual Integrations
APPROVED

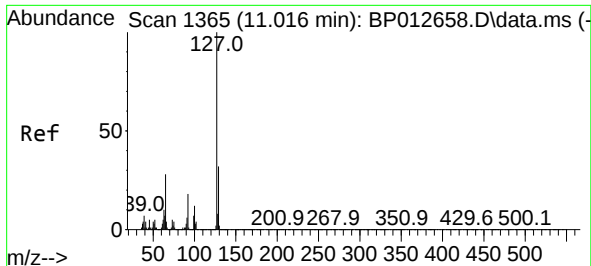
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 1.365 ng m
RT: 10.057 min Scan# 1202
Delta R.T. -0.094 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:122 Resp: 16485
Ion Ratio Lower Upper
122 100
105 110.2 101.1 141.1
77 86.7 67.6 107.6





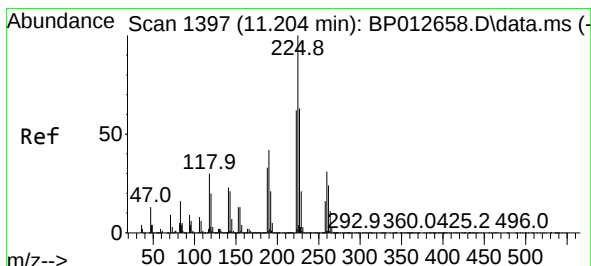
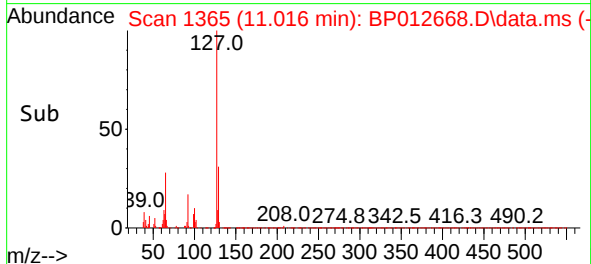
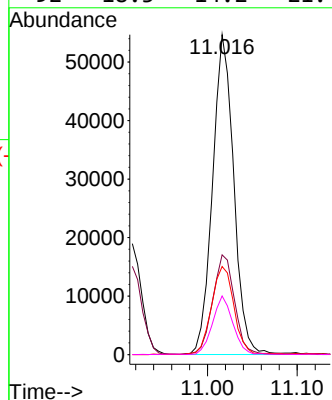
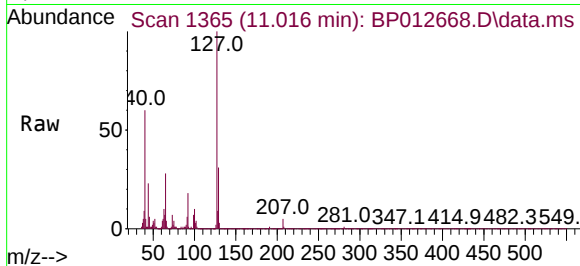
#33
4-Chloroaniline
Concen: 3.570 ng
RT: 11.016 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.4	38.0
65	27.5	22.6	33.8
92	18.3	14.2	21.4

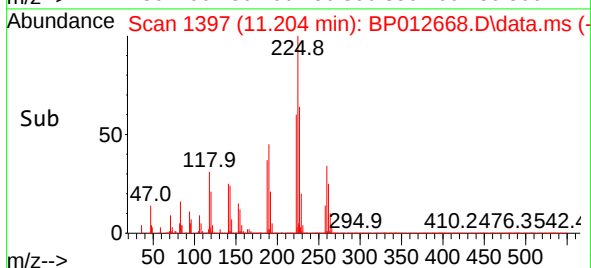
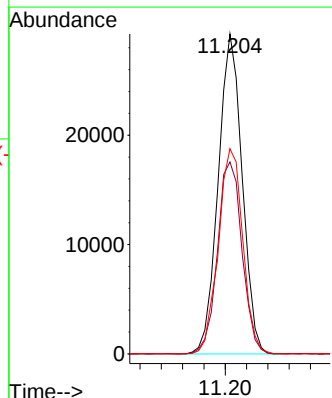
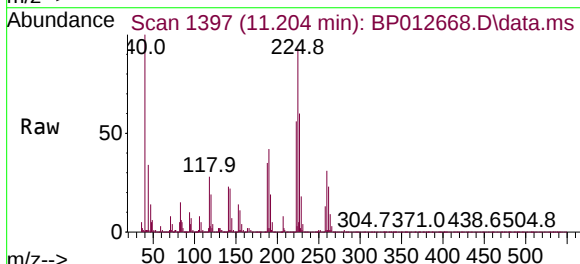
Manual Integrations
APPROVED

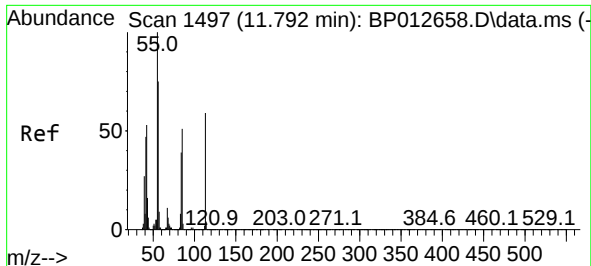
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 4.027 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

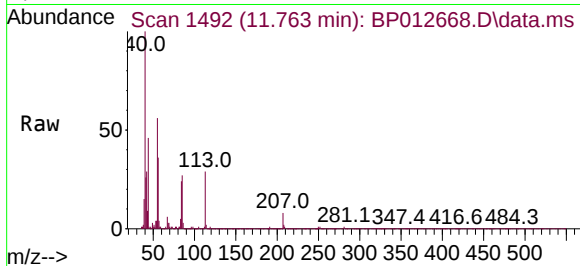
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	49.6	74.4
227	64.1	50.0	75.0





#35
Caprolactam
Concen: 3.063 ng
RT: 11.763 min Scan# 1492
Delta R.T. -0.029 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

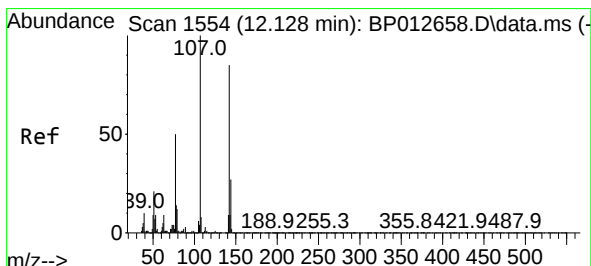
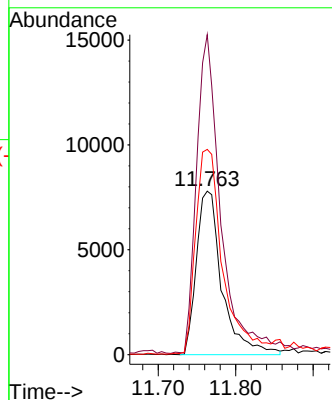
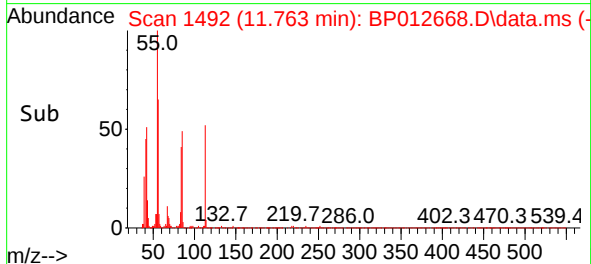
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



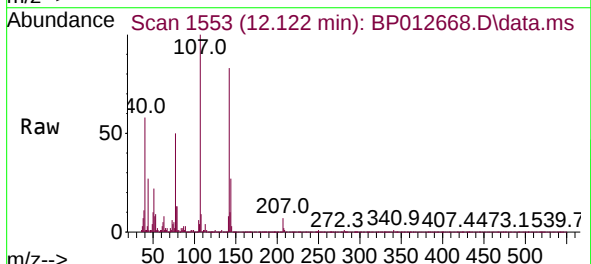
Tgt Ion:113 Resp: 17883
Ion Ratio Lower Upper
113 100
55 195.7 149.2 189.2
56 125.5 106.9 146.9

Manual Integrations
APPROVED

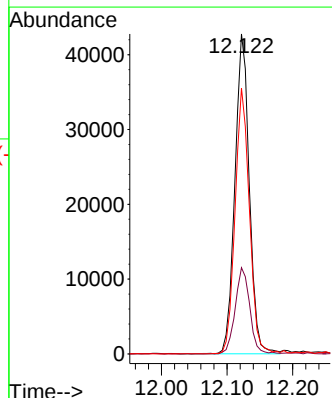
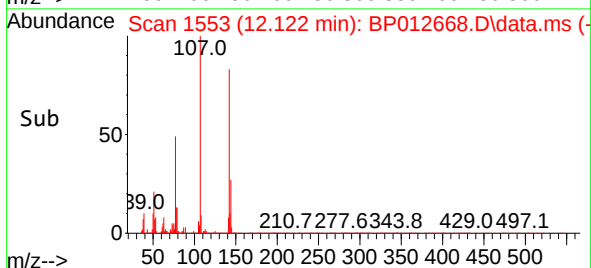
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

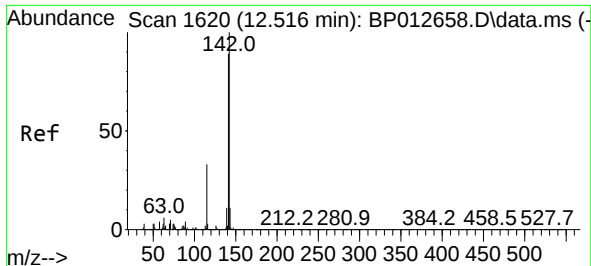


#36
4-Chloro-3-methylphenol
Concen: 3.392 ng
RT: 12.122 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



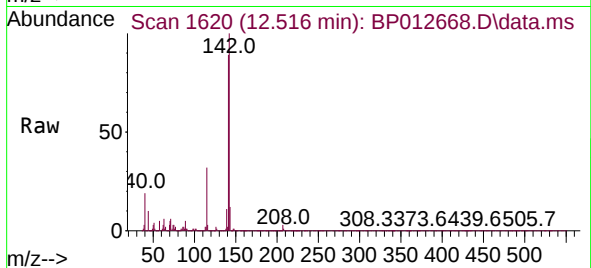
Tgt Ion:107 Resp: 65292
Ion Ratio Lower Upper
107 100
144 26.9 21.9 32.9
142 83.1 68.1 102.1





#37
2-Methylnaphthalene
Concen: 3.867 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

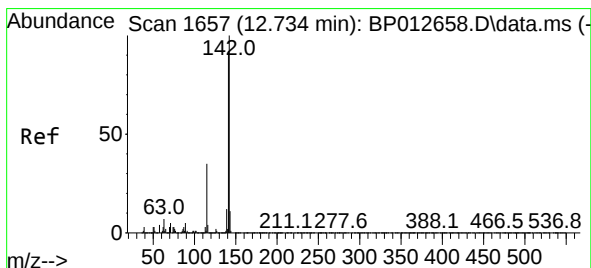
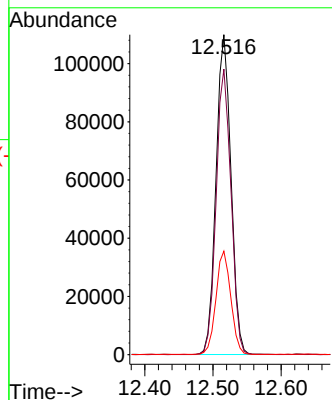
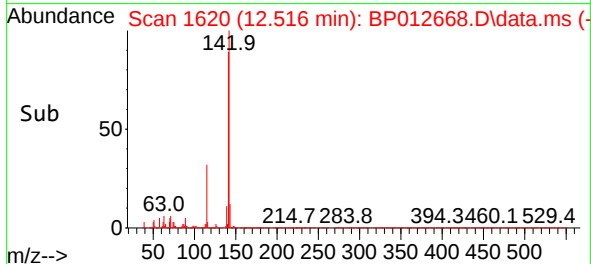
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



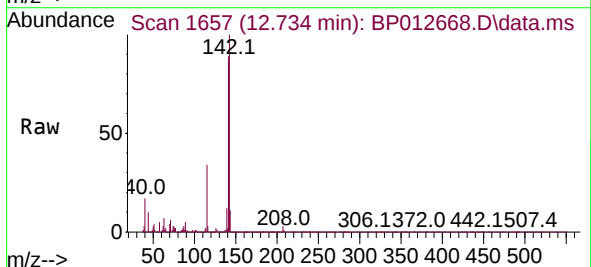
Tgt Ion:142 Resp: 166886
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.6
115 32.3 26.2 39.4

Manual Integrations
APPROVED

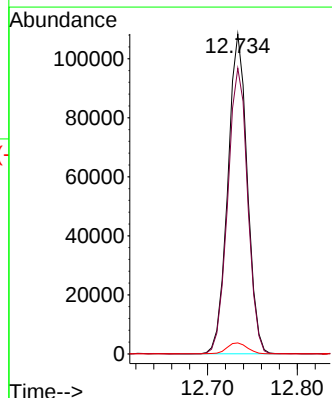
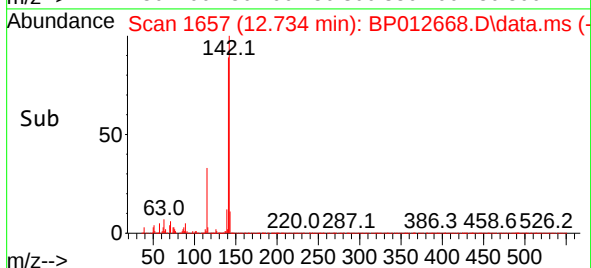
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

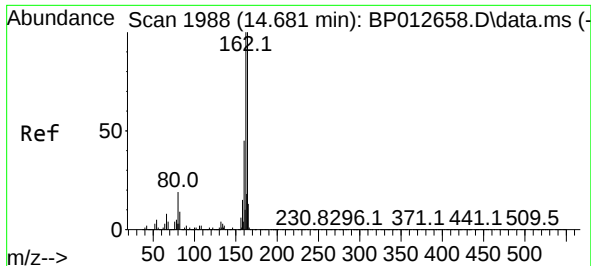


#38
1-Methylnaphthalene
Concen: 3.853 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



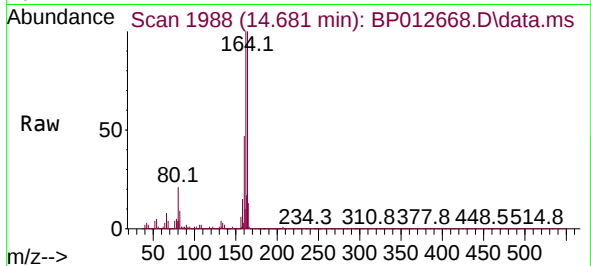
Tgt Ion:142 Resp: 163360
Ion Ratio Lower Upper
142 100
141 89.3 73.9 110.9
116 3.4 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

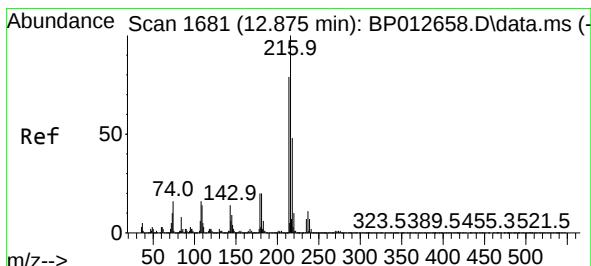
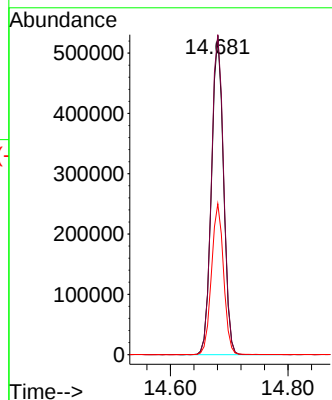
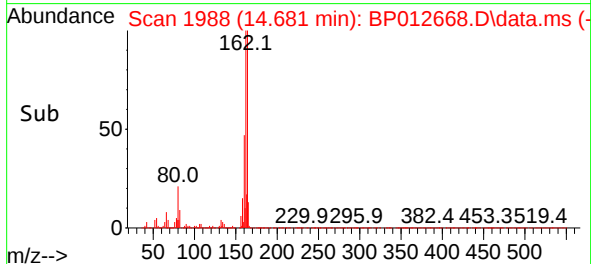
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



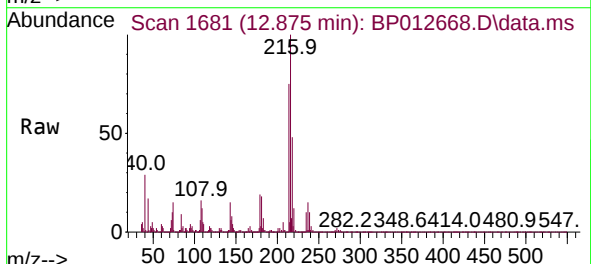
Tgt Ion:164 Resp: 74985
Ion Ratio Lower Upper
164 100
162 100.3 80.3 120.5
160 47.2 36.2 54.4

Manual Integrations
APPROVED

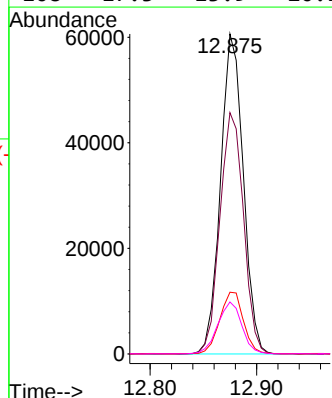
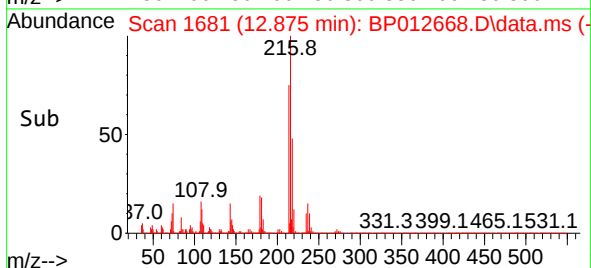
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

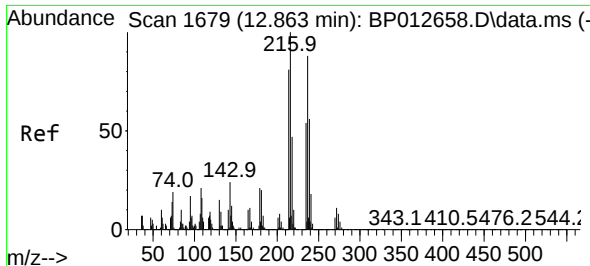


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.117 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



Tgt Ion:216 Resp: 90032
Ion Ratio Lower Upper
216 100
214 78.3 62.5 93.7
179 20.2 16.6 24.8
108 17.3 13.9 20.9





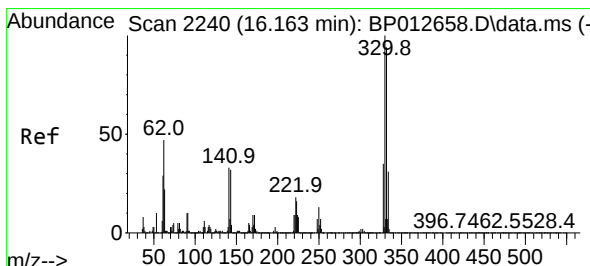
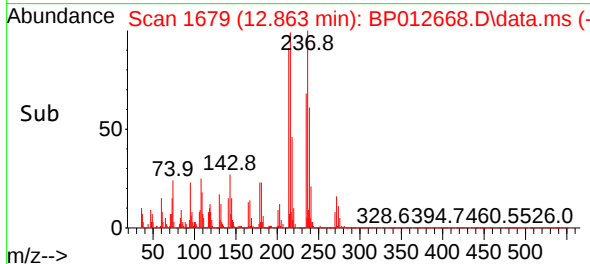
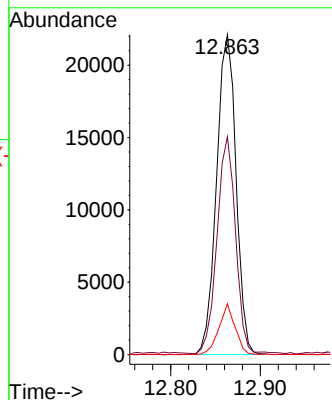
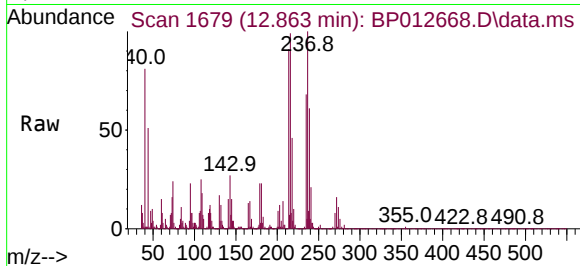
#41
Hexachlorocyclopentadiene
Concen: 4.024 ng
RT: 12.863 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion	Ratio	Lower	Upper
237	100		
235	68.1	41.7	81.7
272	15.9	0.0	32.7

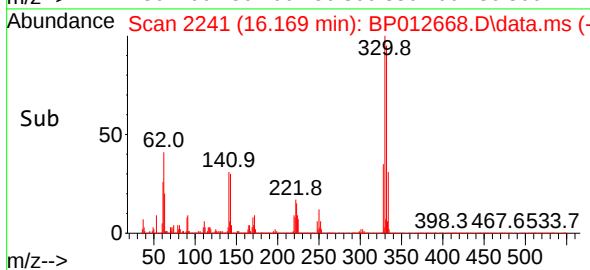
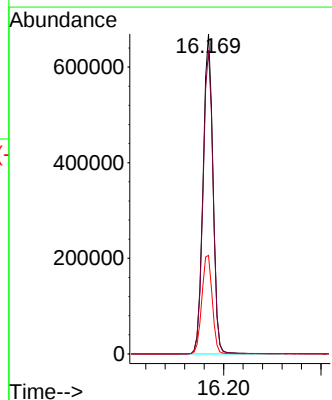
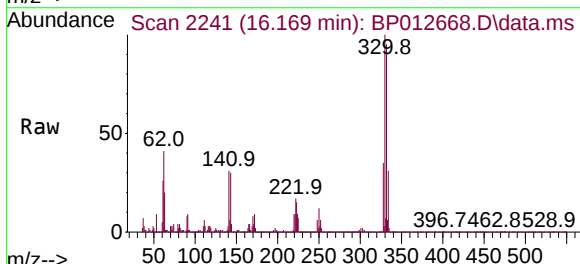
Manual Integrations
APPROVED

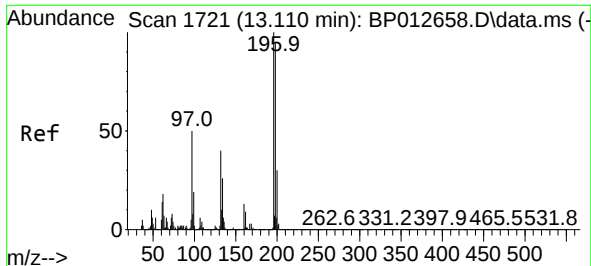
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#42
2,4,6-Tribromophenol
Concen: 109.638 ng
RT: 16.169 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.4
141	32.5	26.7	40.1





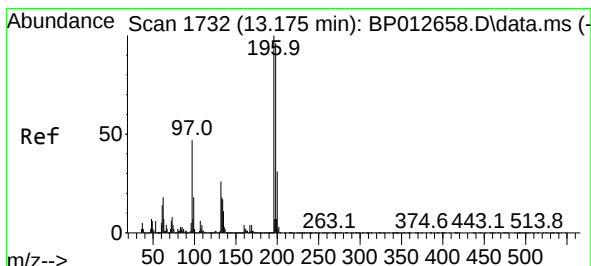
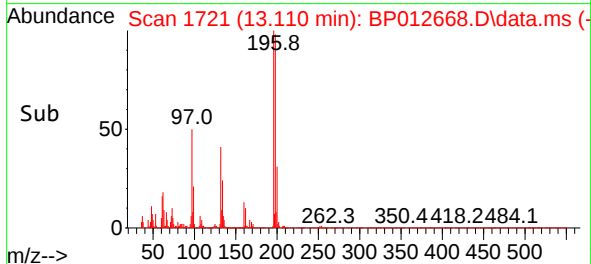
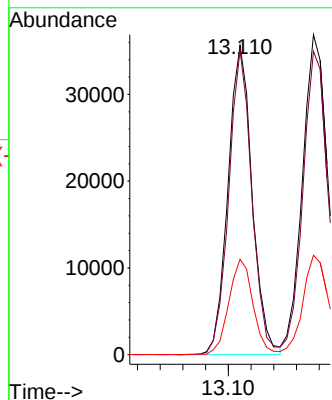
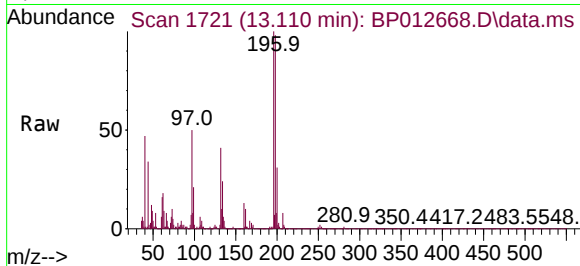
#43
2,4,6-Trichlorophenol
Concen: 3.377 ng
RT: 13.110 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:196 Resp: 52576
Ion Ratio Lower Upper
196 100
198 98.4 75.8 113.6
200 30.8 24.4 36.6

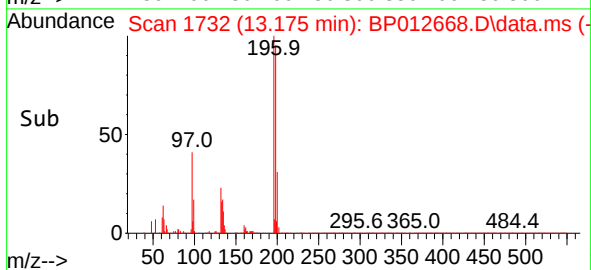
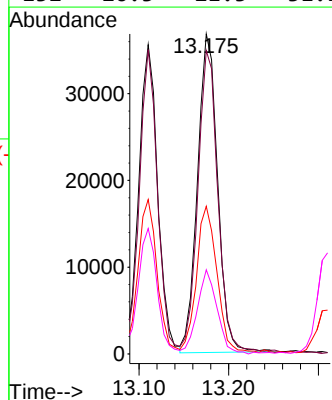
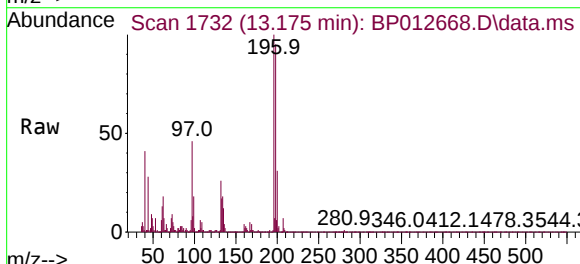
Manual Integrations
APPROVED

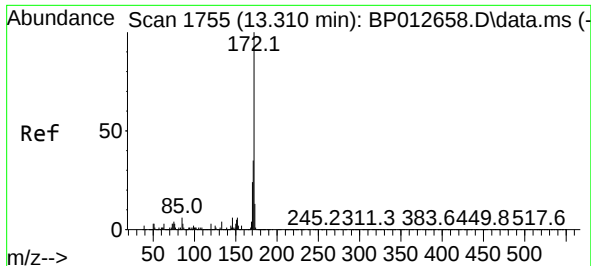
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#44
2,4,5-Trichlorophenol
Concen: 3.322 ng
RT: 13.175 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

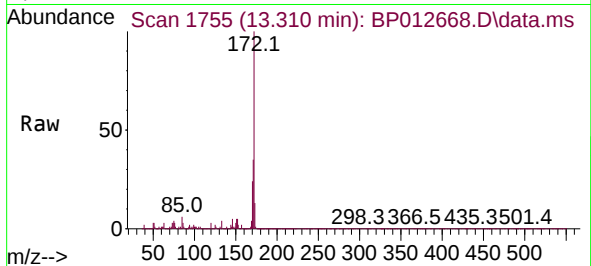
Tgt Ion:196 Resp: 57235
Ion Ratio Lower Upper
196 100
198 94.8 76.4 114.6
97 46.1 37.5 56.3
132 26.3 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 81.212 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

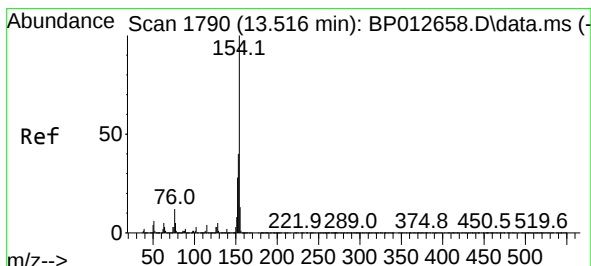
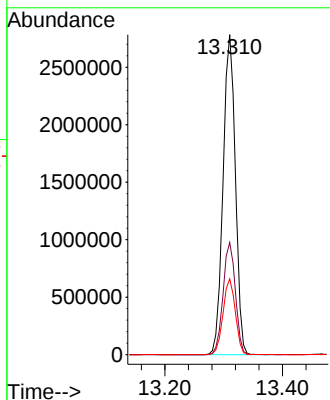
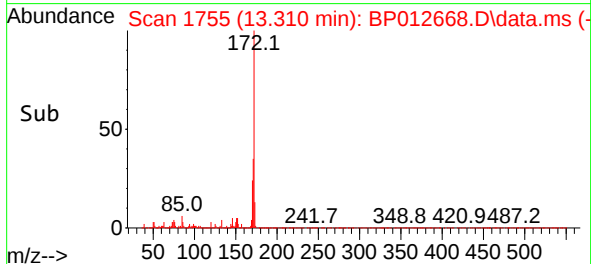
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



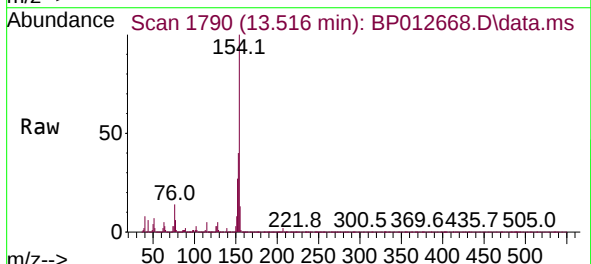
Tgt Ion:172 Resp: 4047205
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.7 19.3 28.9

Manual Integrations
APPROVED

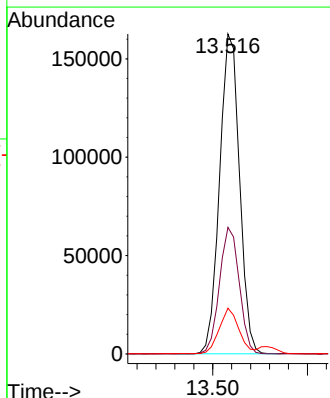
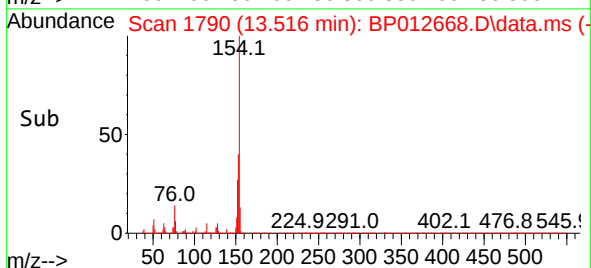
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

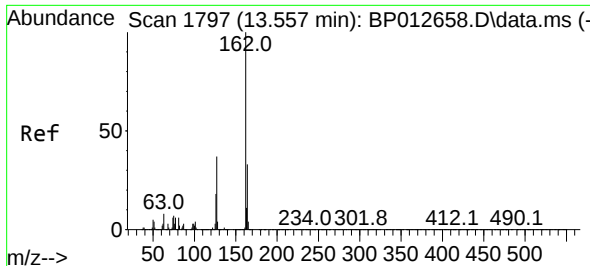


#46
1,1'-Biphenyl
Concen: 4.227 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



Tgt Ion:154 Resp: 237029
Ion Ratio Lower Upper
154 100
153 39.5 19.6 59.6
76 14.3 0.0 32.4





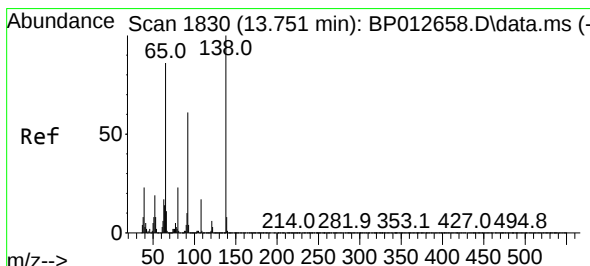
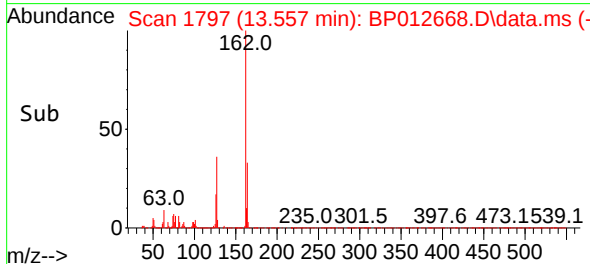
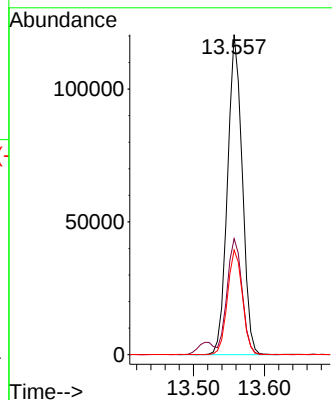
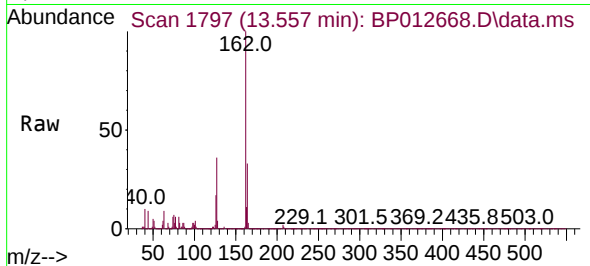
#47
2-Chloronaphthalene
Concen: 3.916 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162 Resp: 174378
Ion Ratio Lower Upper
162 100
127 36.2 29.4 44.2
164 32.7 26.4 39.6

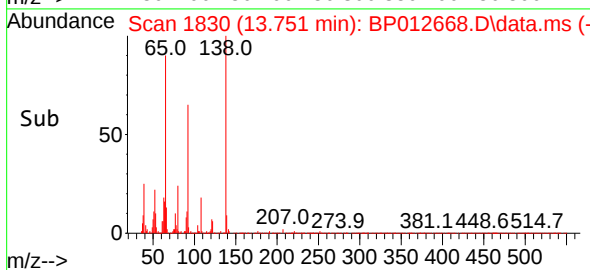
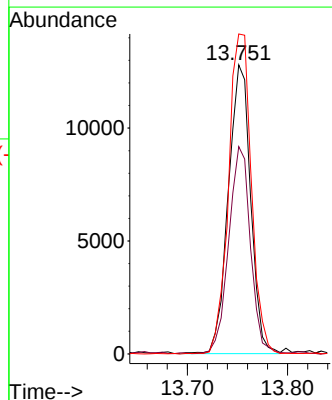
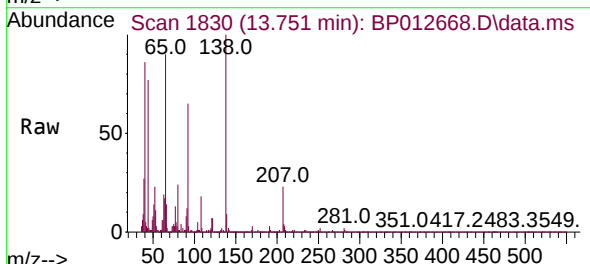
Manual Integrations
APPROVED

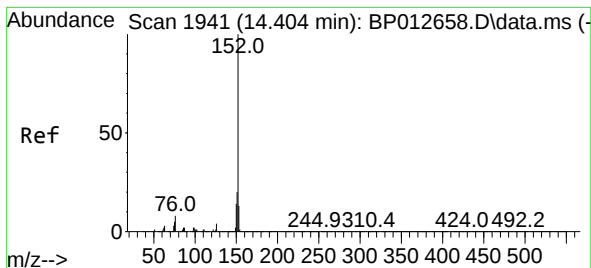
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 2.215 ng
RT: 13.751 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion: 65 Resp: 19741
Ion Ratio Lower Upper
65 100
92 71.7 56.7 85.1
138 110.7 92.7 139.1





#49

Acenaphthylene

Concen: 3.775 ng

RT: 14.404 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

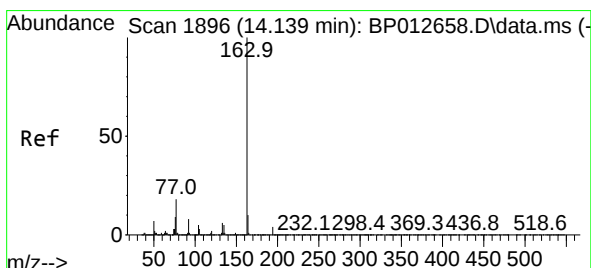
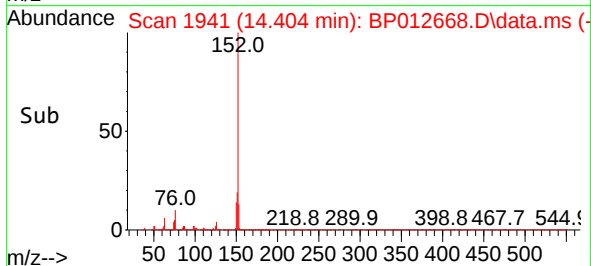
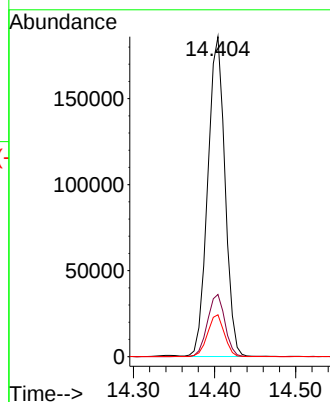
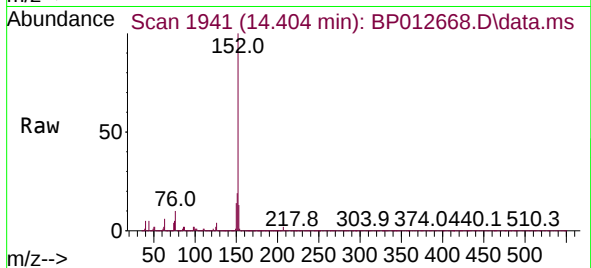
Tgt Ion:	152	Resp:	27430
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.1	24.1
153	13.1	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#50

Dimethylphthalate

Concen: 3.638 ng

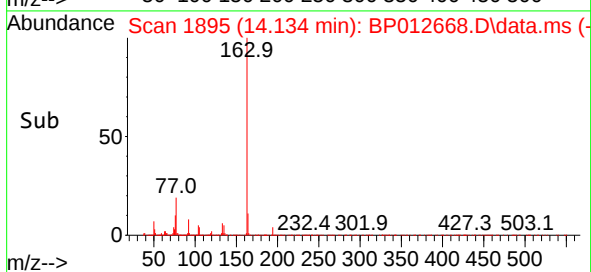
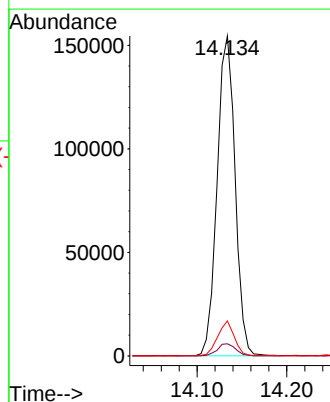
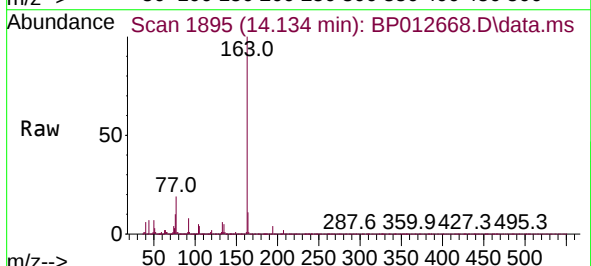
RT: 14.134 min Scan# 1895

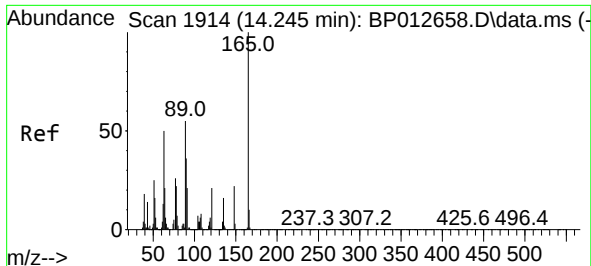
Delta R.T. -0.005 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:	163	Resp:	214893
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.3	4.9
164	10.9	8.2	12.4





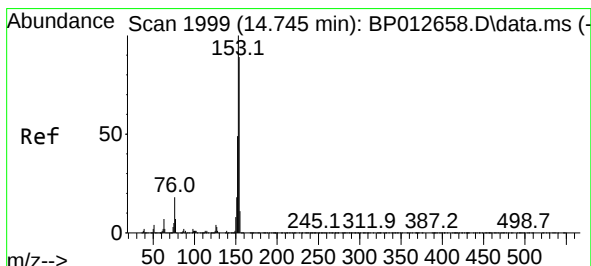
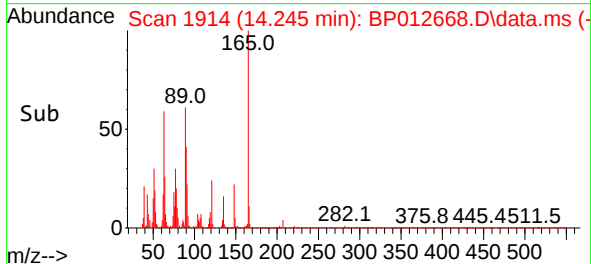
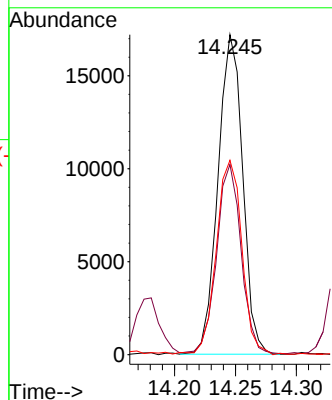
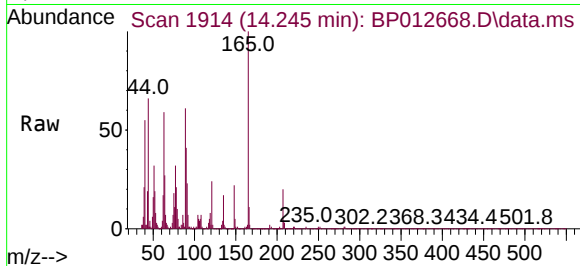
#51
2,6-Dinitrotoluene
Concen: 2.344 ng
RT: 14.245 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:165 Resp: 24283
Ion Ratio Lower Upper
165 100
63 59.4 42.6 63.8
89 60.7 44.0 66.0

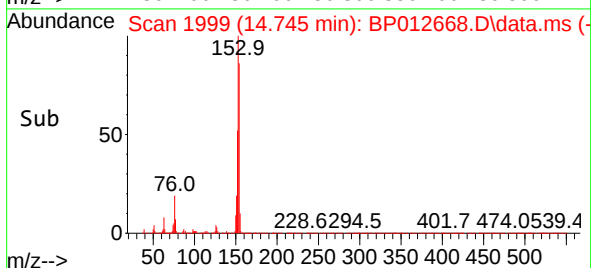
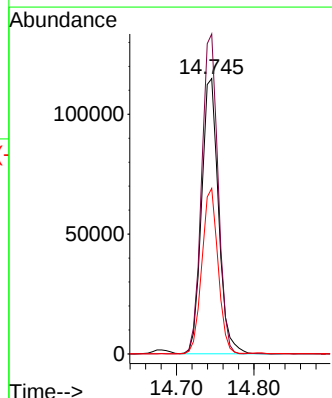
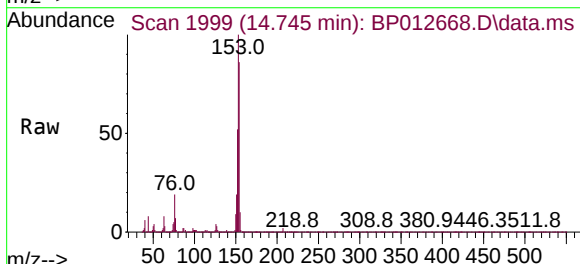
Manual Integrations
APPROVED

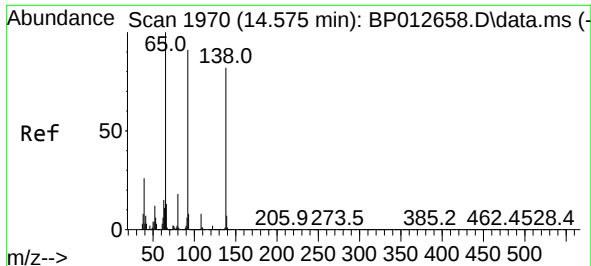
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 3.755 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:154 Resp: 174142
Ion Ratio Lower Upper
154 100
153 116.3 90.2 135.2
152 60.1 43.9 65.9





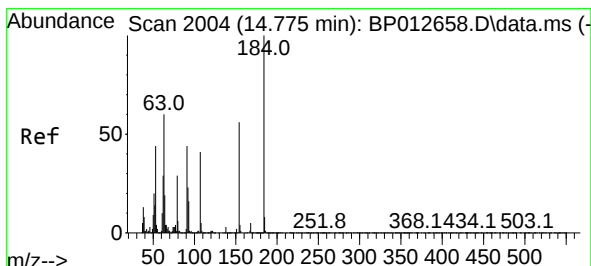
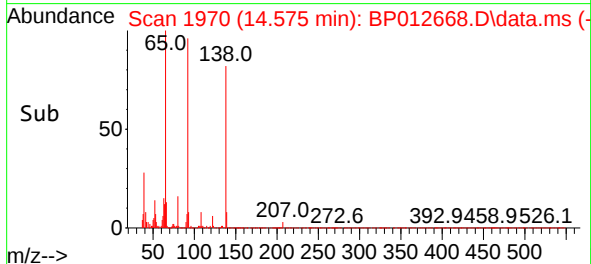
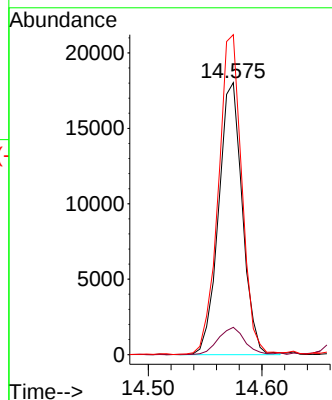
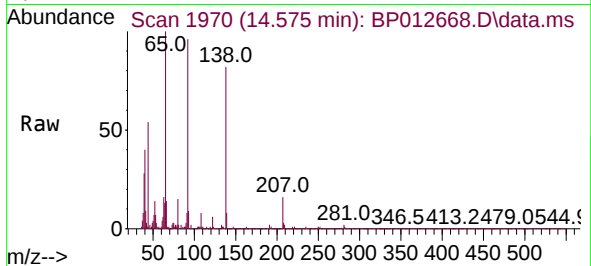
#53
3-Nitroaniline
Concen: 2.202 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:138 Resp: 2612
Ion Ratio Lower Upper
138 100
108 10.1 8.2 12.2
92 117.7 89.1 133.7

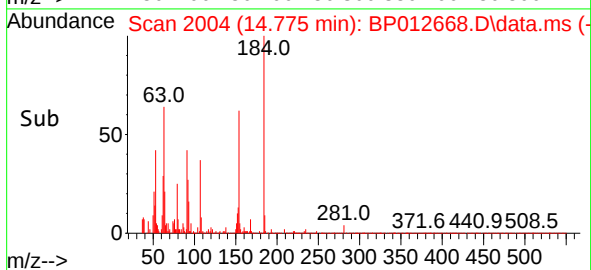
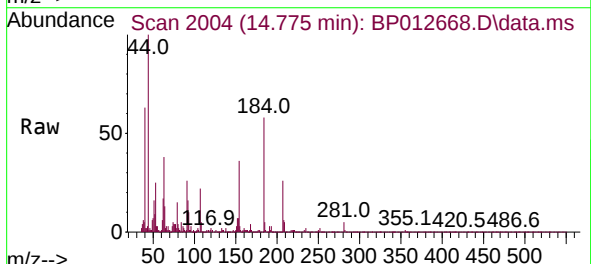
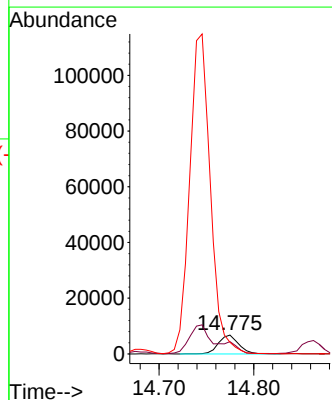
Manual Integrations
APPROVED

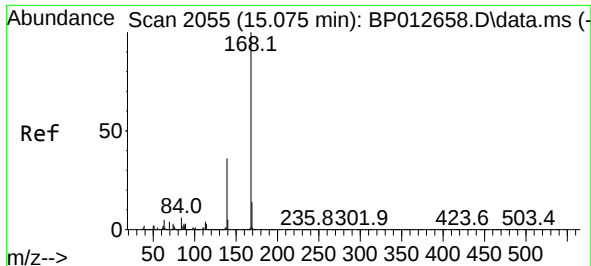
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 1.741 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

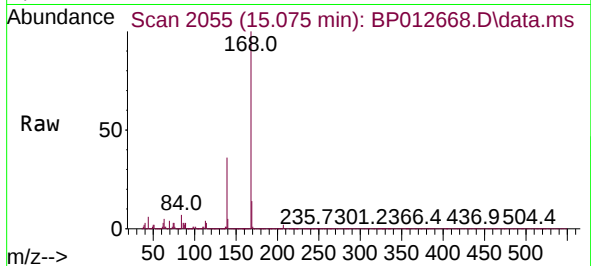
Tgt Ion:184 Resp: 10010
Ion Ratio Lower Upper
184 100
63 65.2 48.0 72.0
154 62.0 47.1 70.7





#55
Dibenzenofuran
Concen: 4.019 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

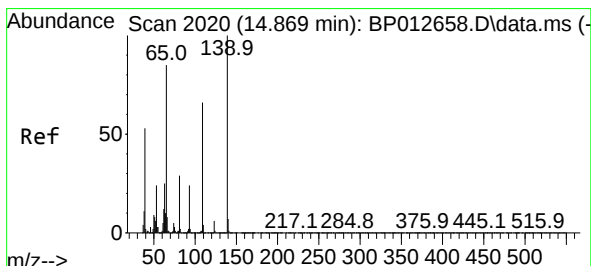
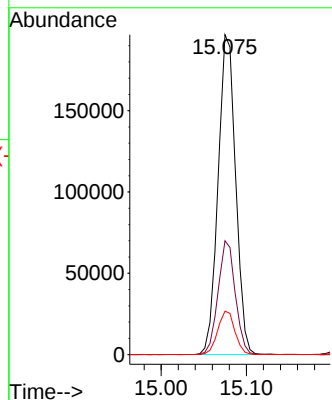
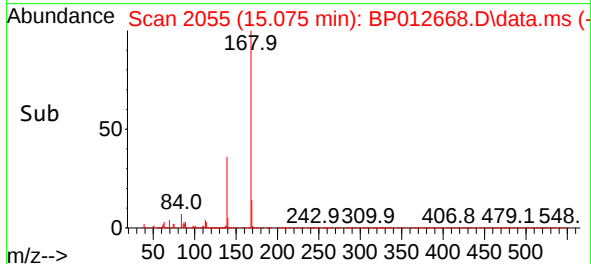
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



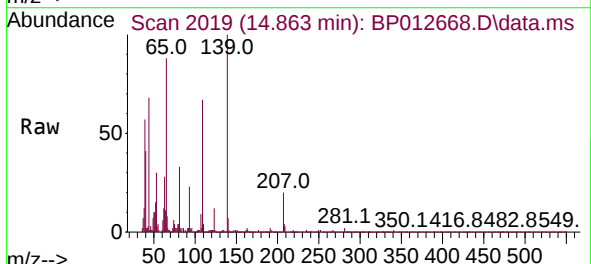
Tgt Ion:168 Resp: 28134
Ion Ratio Lower Upper
168 100
139 35.6 29.0 43.6
169 13.6 11.0 16.4

Manual Integrations
APPROVED

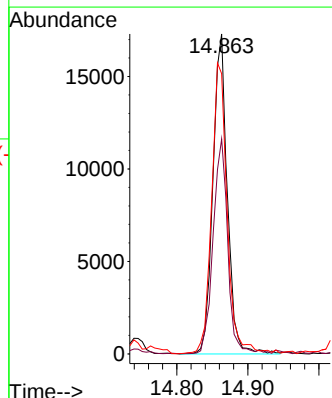
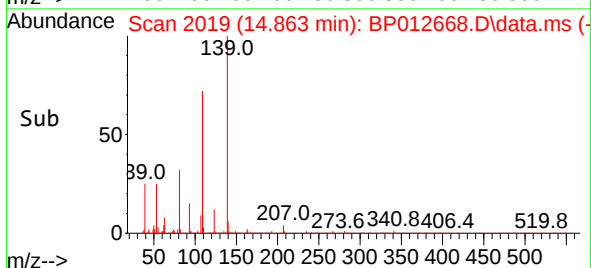
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

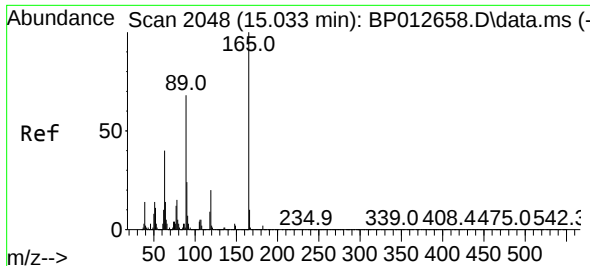


#56
4-Nitrophenol
Concen: 2.205 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



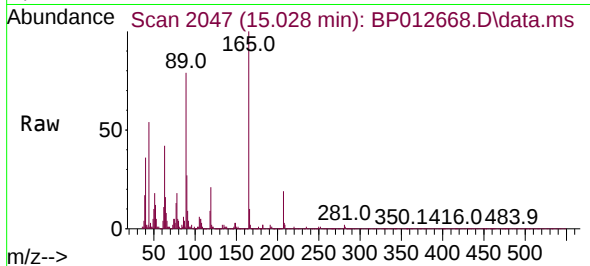
Tgt Ion:139 Resp: 24484
Ion Ratio Lower Upper
139 100
109 67.2 45.7 85.7
65 87.6 65.4 105.4





#57
2,4-Dinitrotoluene
Concen: 2.058 ng
RT: 15.028 min Scan# 2048
Delta R.T. -0.005 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

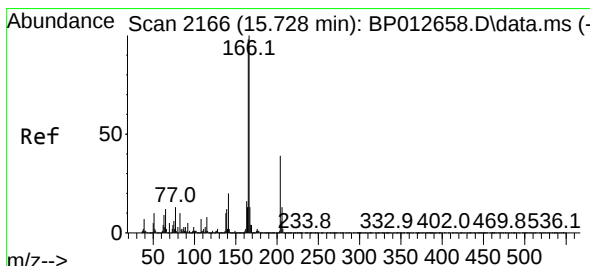
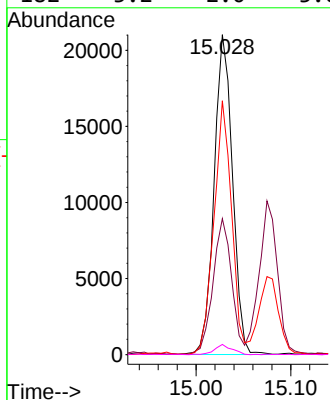
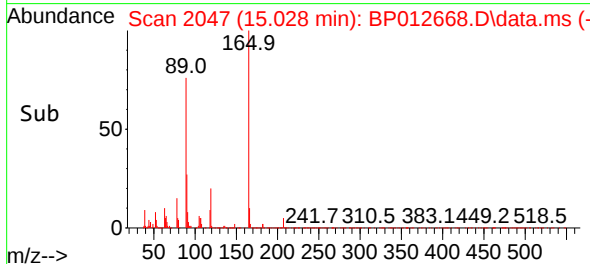
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:165 Resp: 28349
Ion Ratio Lower Upper
165 100
63 42.5 32.0 48.0
89 79.3 54.1 81.1
182 3.2 2.0 3.0#

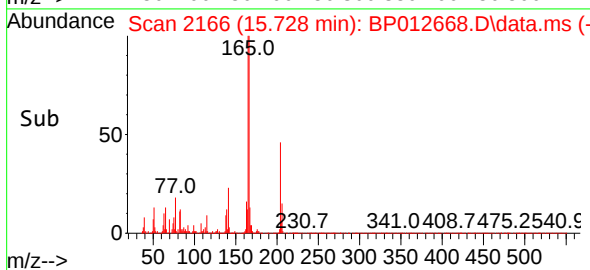
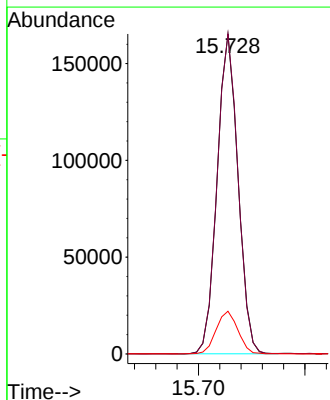
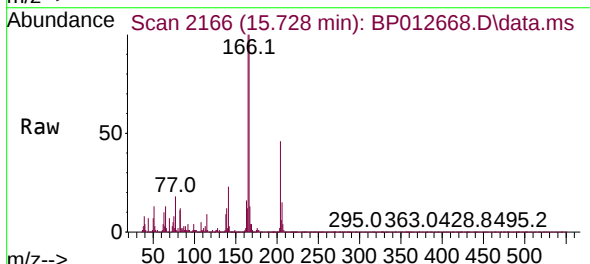
Manual Integrations
APPROVED

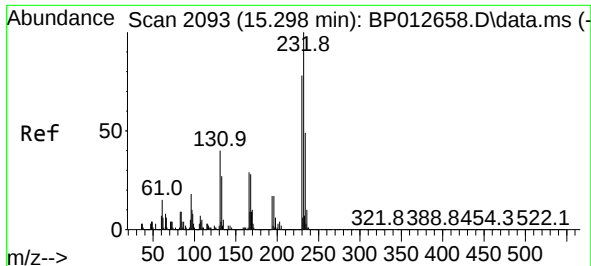
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 4.084 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

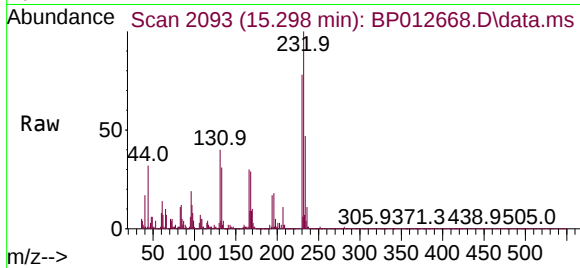
Tgt Ion:166 Resp: 225018
Ion Ratio Lower Upper
166 100
165 100.1 78.8 118.2
167 13.4 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.379 ng
RT: 15.298 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

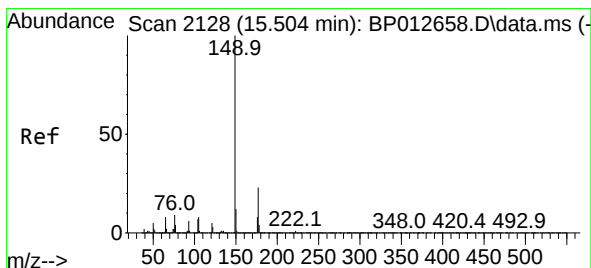
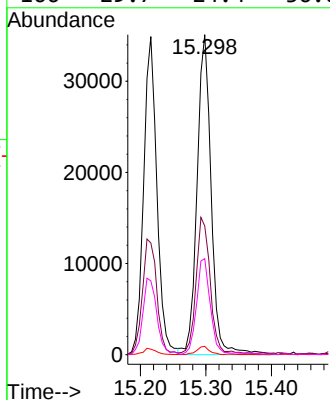
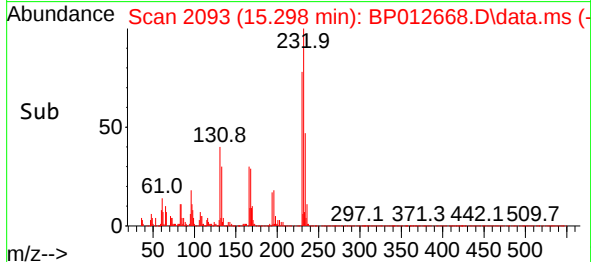
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:232 Resp: 52406
Ion Ratio Lower Upper
232 100
131 42.3 34.3 51.5
130 2.3 1.8 2.6
166 29.7 24.4 36.6

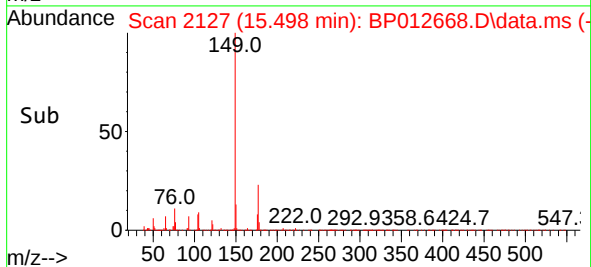
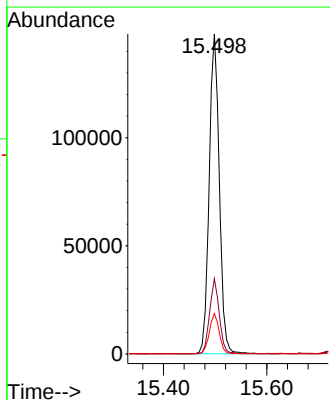
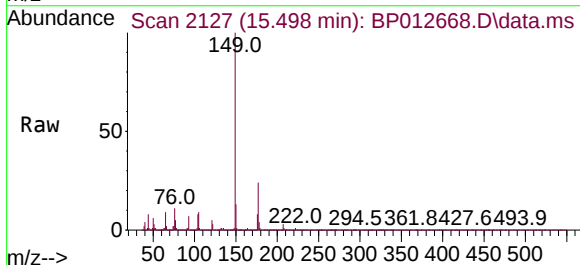
Manual Integrations
APPROVED

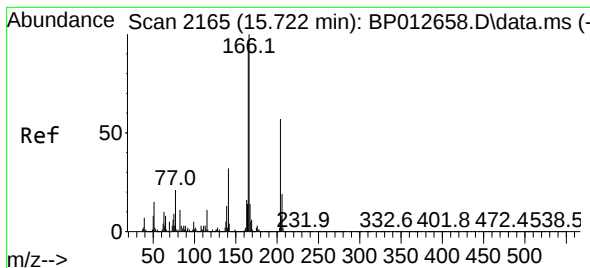
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 3.463 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

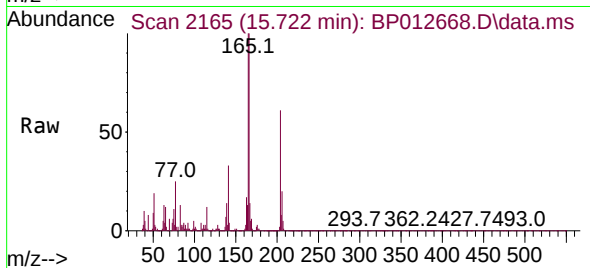
Tgt Ion:149 Resp: 201227
Ion Ratio Lower Upper
149 100
177 23.5 18.2 27.4
150 12.6 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 4.200 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

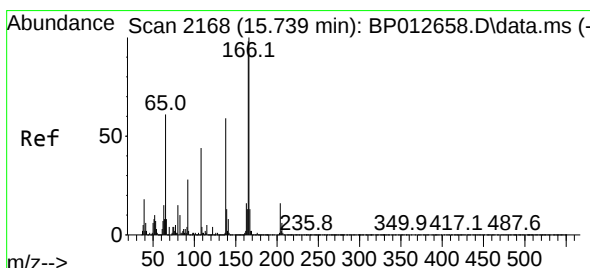
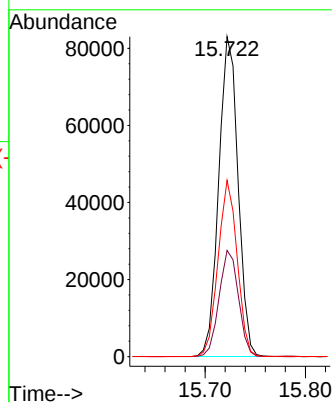
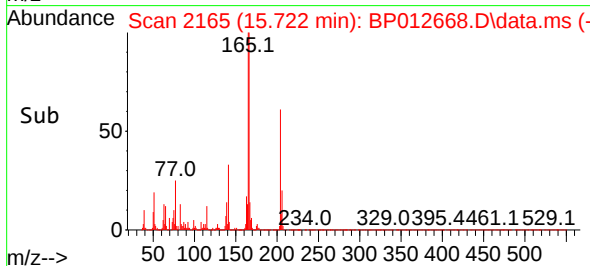
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



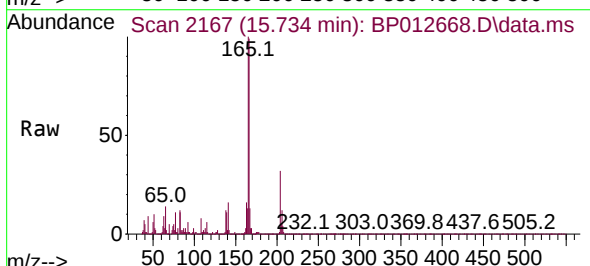
Tgt Ion: 204 Resp: 111245
Ion Ratio Lower Upper
204 100
206 33.2 26.9 40.3
141 55.1 44.3 66.5

Manual Integrations
APPROVED

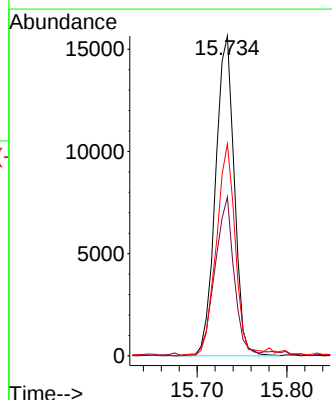
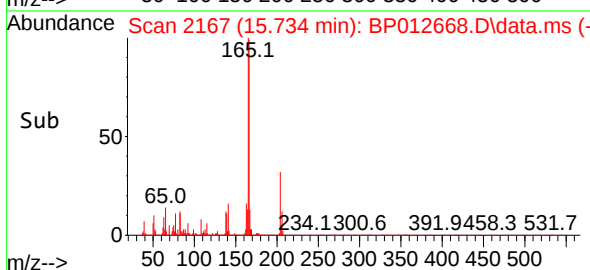
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

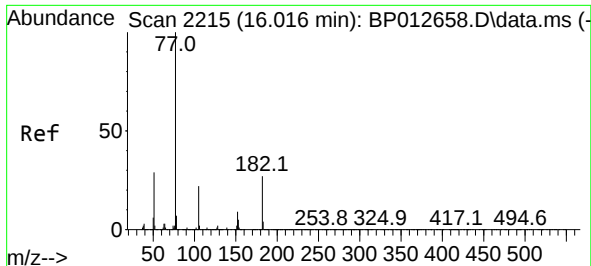


#62
4-Nitroaniline
Concen: 1.953 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43



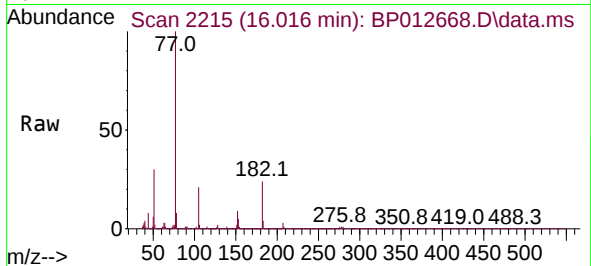
Tgt Ion: 138 Resp: 22664
Ion Ratio Lower Upper
138 100
92 49.6 28.2 68.2
108 66.3 53.7 93.7





#63
Azobenzene
Concen: 3.666 ng
RT: 16.016 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

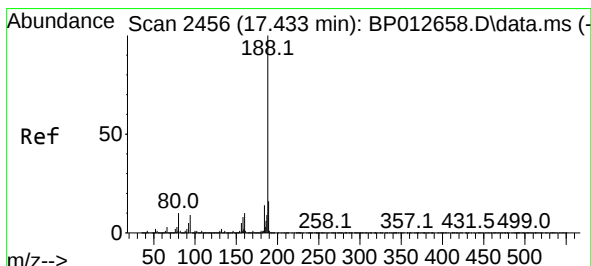
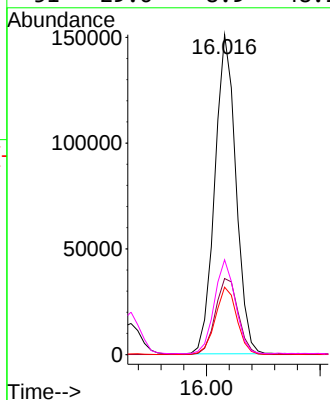
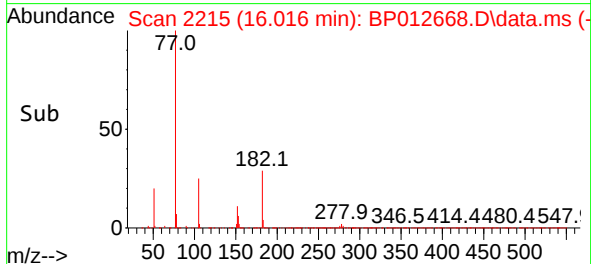
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 77 Resp: 194614
Ion Ratio Lower Upper
77 100
182 23.8 7.1 47.1
105 21.1 1.9 41.9
51 29.6 8.9 48.9

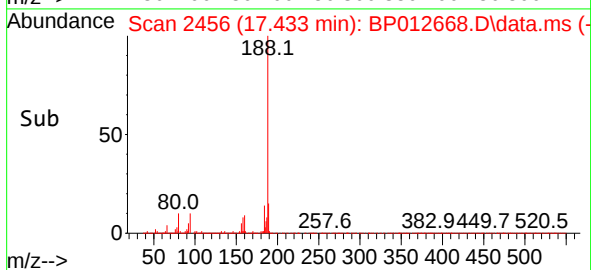
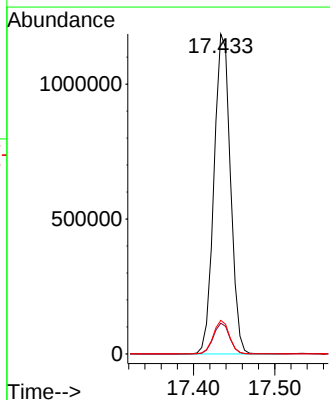
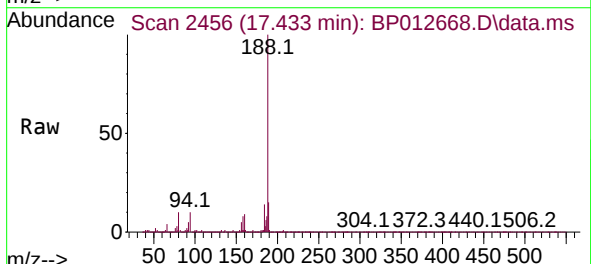
Manual Integrations
APPROVED

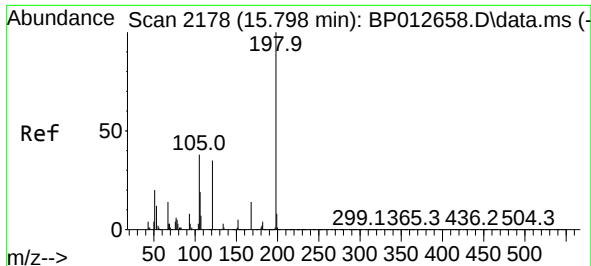
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:188 Resp: 1668670
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.5 8.2 12.2





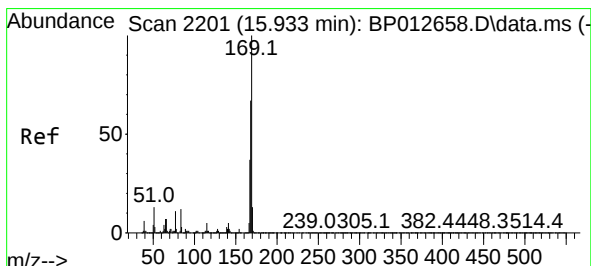
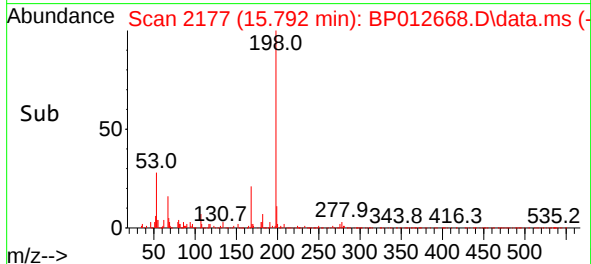
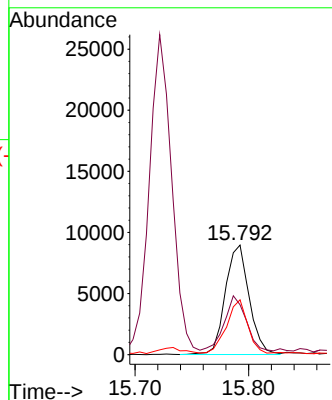
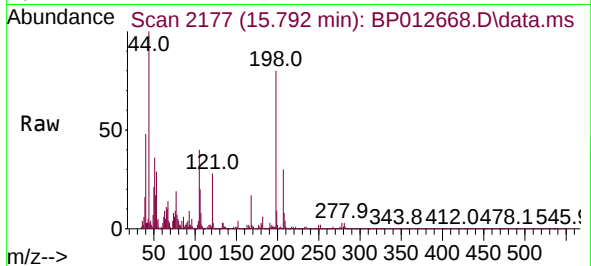
#65
4,6-Dinitro-2-methylphenol
Concen: 1.585 ng
RT: 15.792 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:198 Resp: 12990
Ion Ratio Lower Upper
198 100
51 45.5 18.2 58.2
105 50.0 19.6 59.6

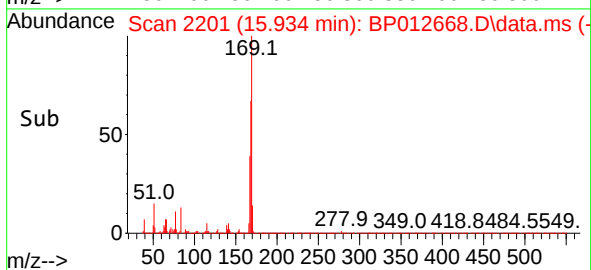
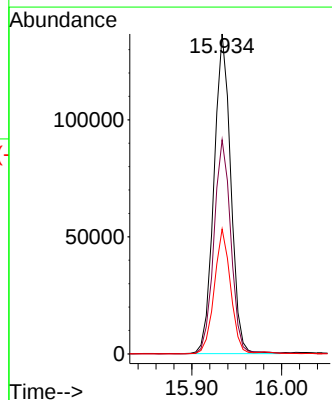
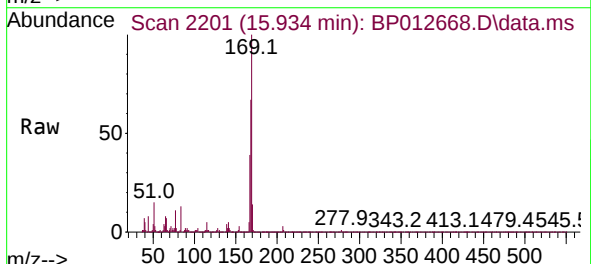
Manual Integrations
APPROVED

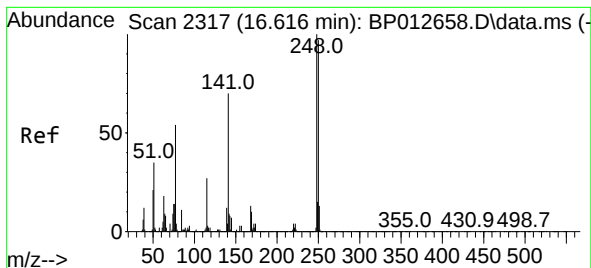
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 3.578 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:169 Resp: 177948
Ion Ratio Lower Upper
169 100
168 66.9 53.5 80.3
167 39.0 29.3 43.9





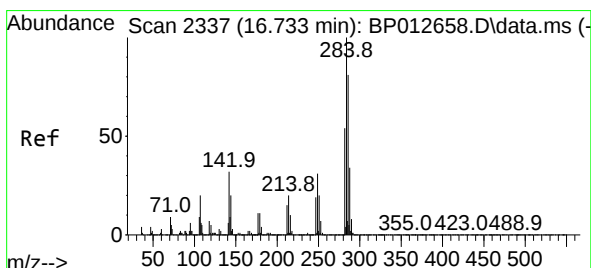
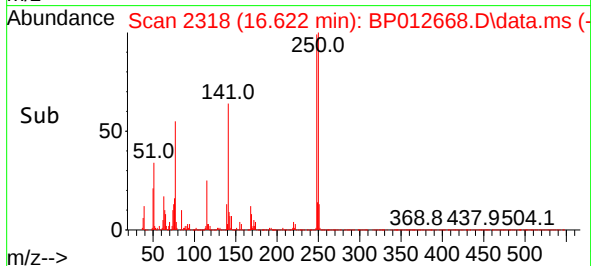
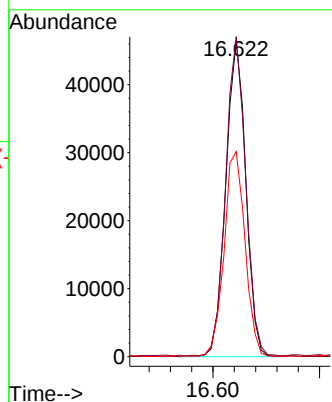
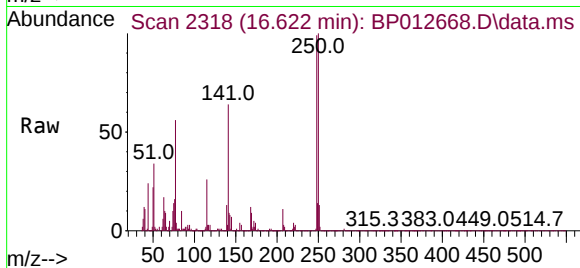
#67
4-Bromophenyl-phenylether
Concen: 3.481 ng
RT: 16.622 min Scan# 2317
Delta R.T. 0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:248 Resp: 60739
Ion Ratio Lower Upper
248 100
250 101.2 77.4 116.2
141 64.9 55.6 83.4

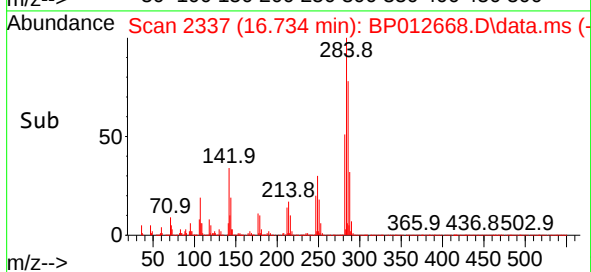
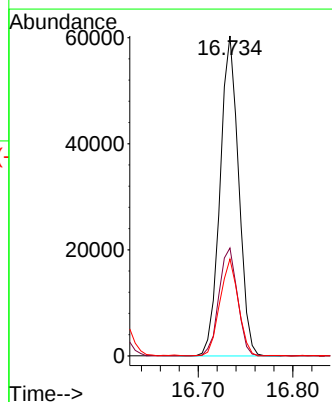
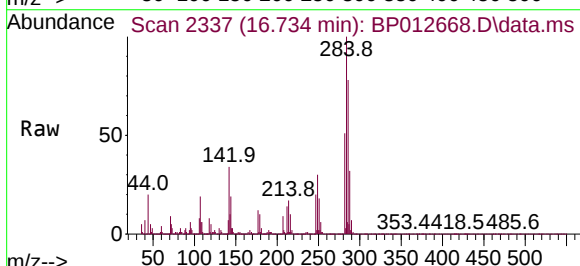
Manual Integrations
APPROVED

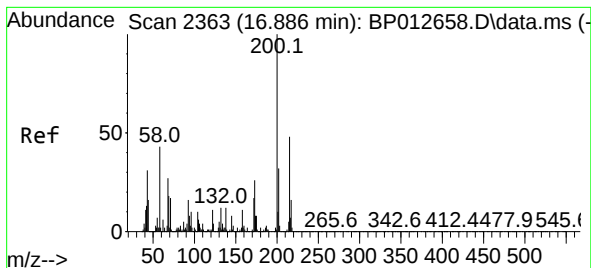
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 4.048 ng
RT: 16.734 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:284 Resp: 81923
Ion Ratio Lower Upper
284 100
142 33.7 25.8 38.6
249 30.3 25.0 37.4





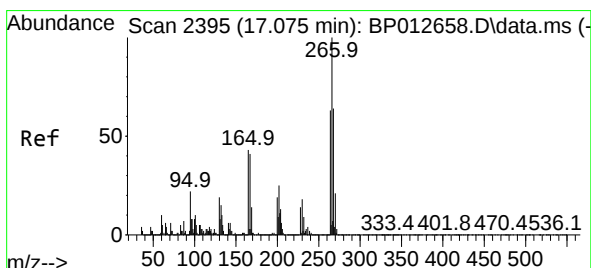
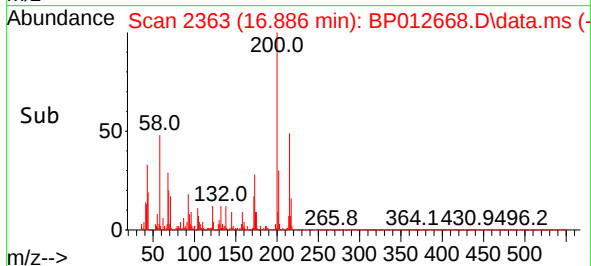
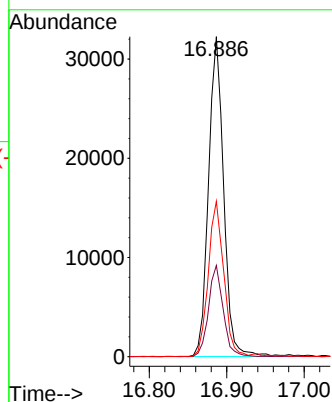
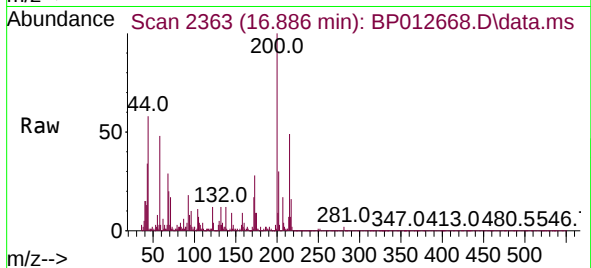
#69
Atrazine
Concen: 3.341 ng
RT: 16.886 min Scan# 2363
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:200 Resp: 43773
Ion Ratio Lower Upper
200 100
173 28.5 6.2 46.2
215 48.5 28.4 68.4

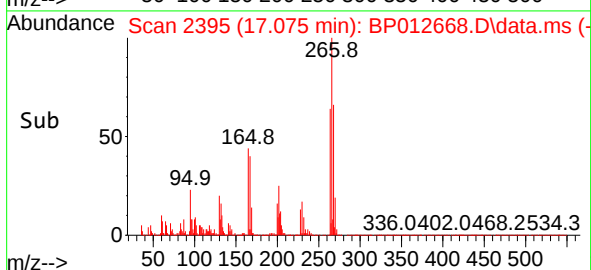
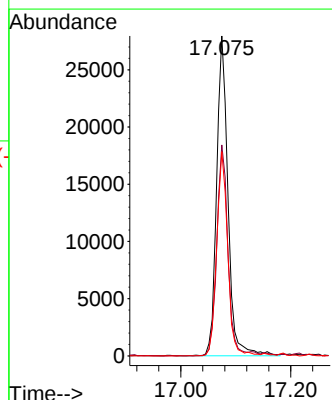
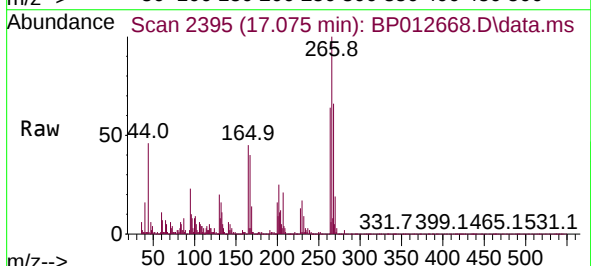
Manual Integrations
APPROVED

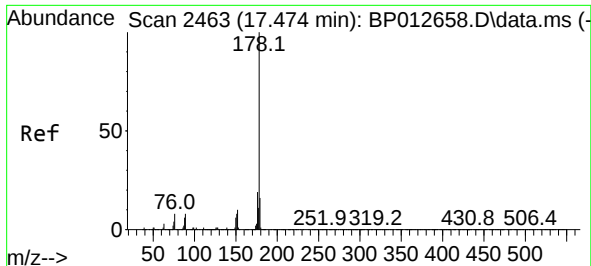
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#70
Pentachlorophenol
Concen: 3.050 ng
RT: 17.075 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:266 Resp: 40052
Ion Ratio Lower Upper
266 100
268 65.9 51.4 77.0
264 63.8 50.6 75.8





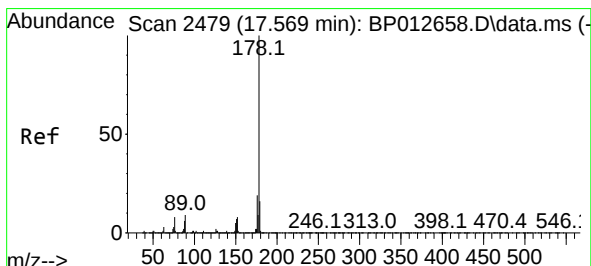
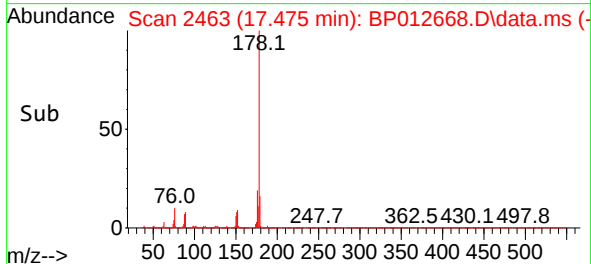
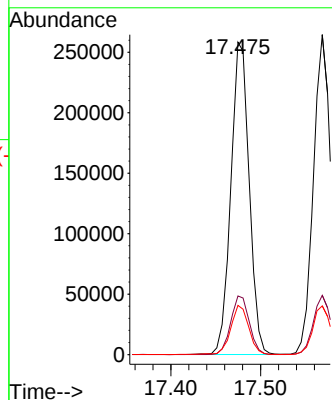
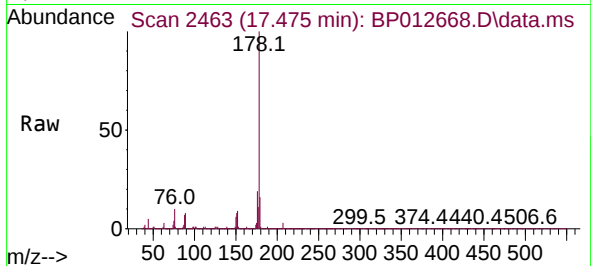
#71
Phenanthrene
Concen: 3.900 ng
RT: 17.475 min Scan# 2463
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:178 Resp: 369136
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.5 18.7

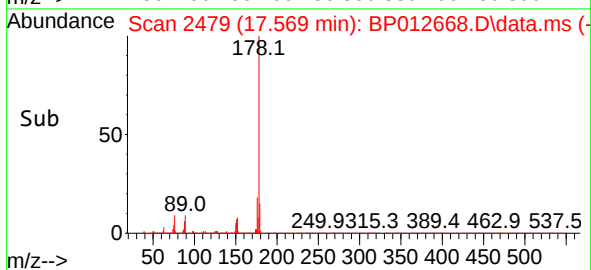
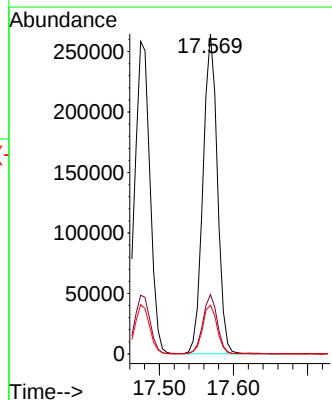
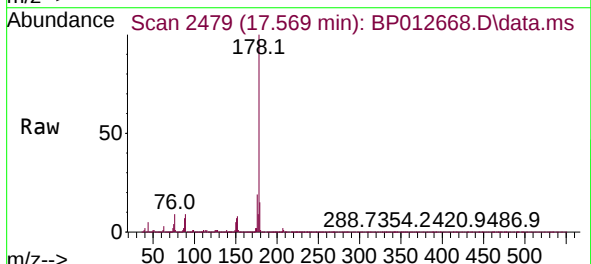
Manual Integrations
APPROVED

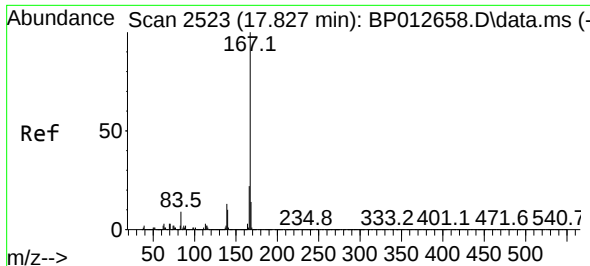
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 3.905 ng
RT: 17.569 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

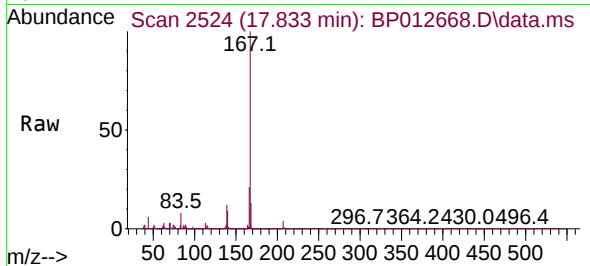
Tgt Ion:178 Resp: 356598
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.2 12.8 19.2





#73
 Carbazole
 Concen: 3.753 ng
 RT: 17.833 min Scan# 2524
 Delta R.T. 0.006 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

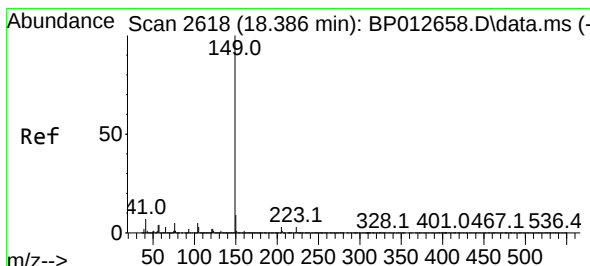
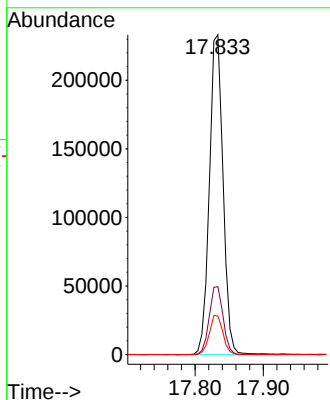
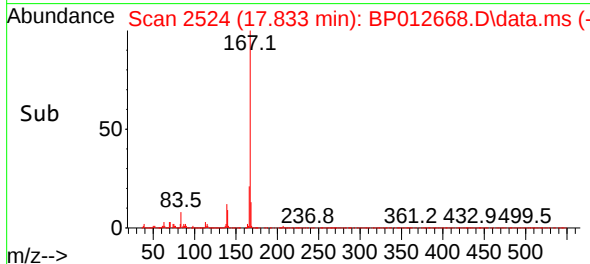
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



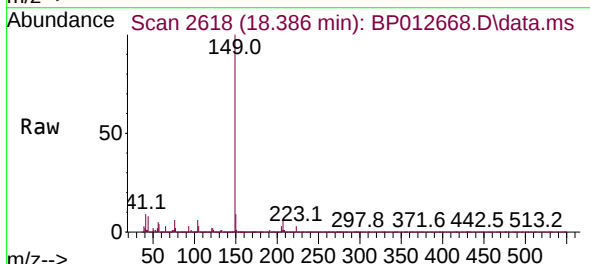
Tgt Ion:167 Resp: 325453
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.2
 139 12.1 10.2 15.2

Manual Integrations
 APPROVED

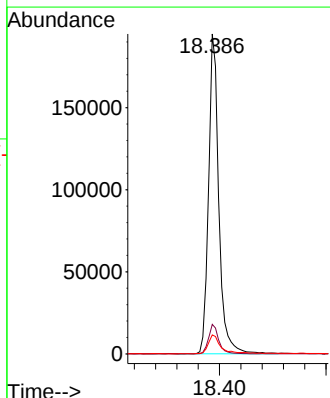
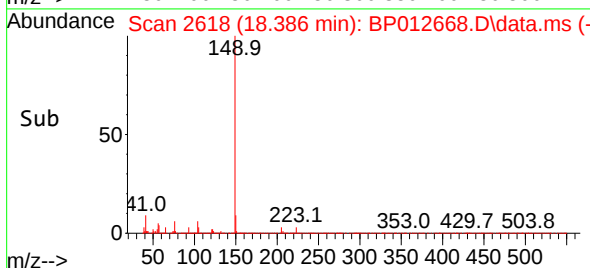
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

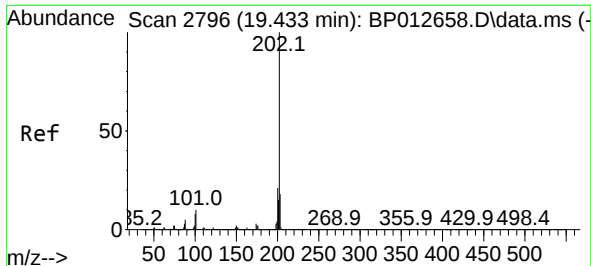


#74
 Di-n-butylphthalate
 Concen: 2.877 ng
 RT: 18.386 min Scan# 2618
 Delta R.T. 0.000 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43



Tgt Ion:149 Resp: 260178
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.9 4.0 6.0





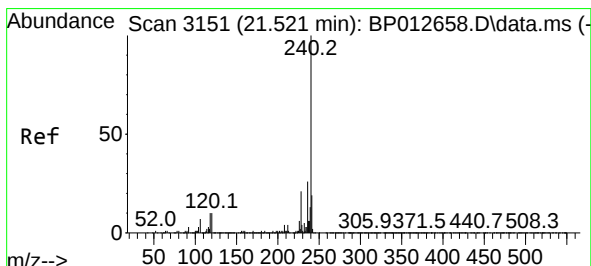
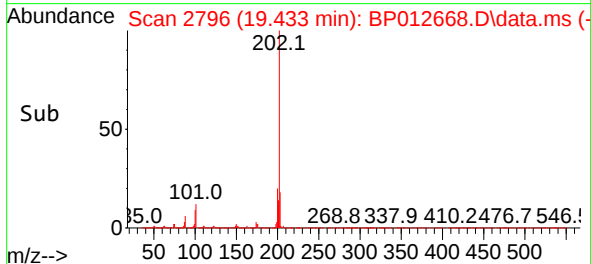
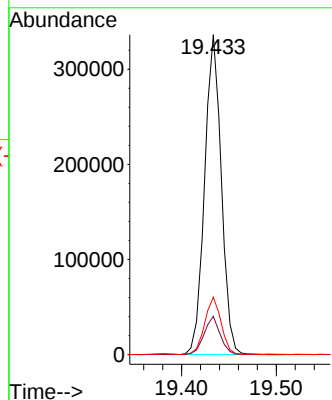
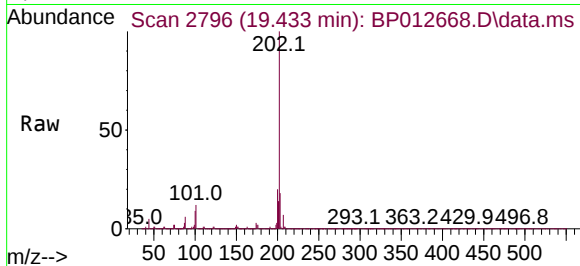
#75
Fluoranthene
Concen: 3.678 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:202 Resp: 412380
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.4
203 18.0 0.0 37.9

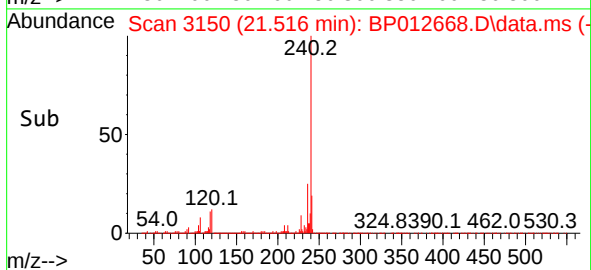
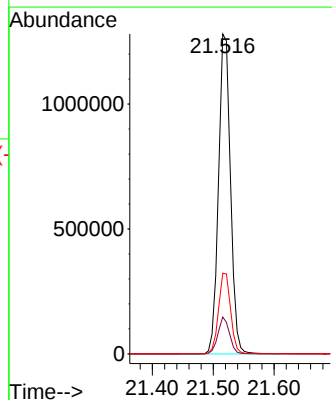
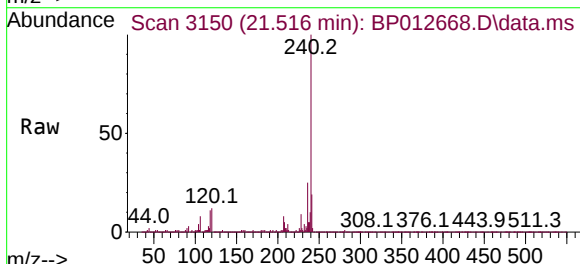
Manual Integrations
APPROVED

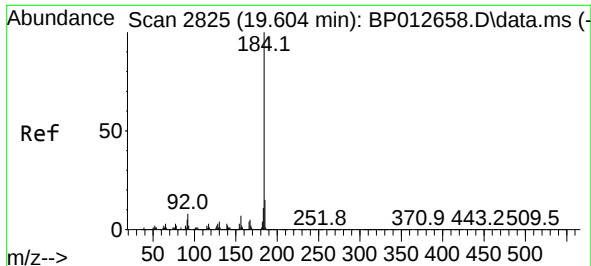
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

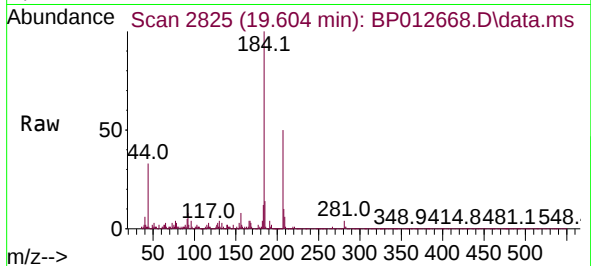
Tgt Ion:240 Resp: 1751902
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 25.2 20.4 30.6





#77
Benzidine
Concen: 2.829 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

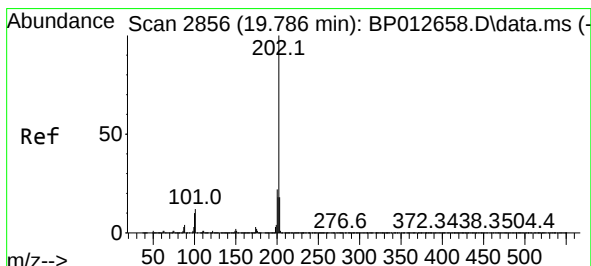
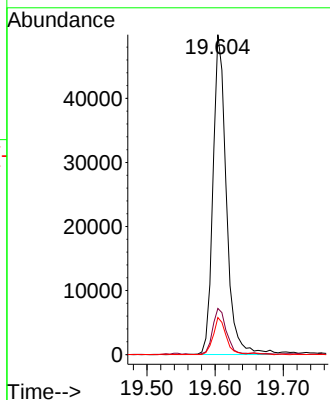
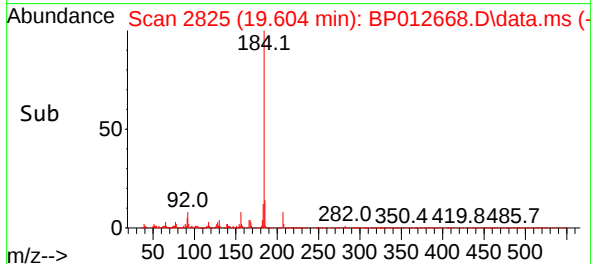
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:184 Resp: 68129
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 11.6 9.0 13.4

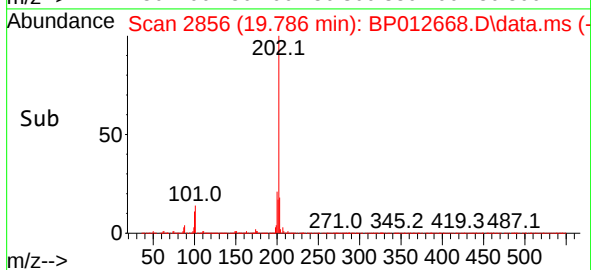
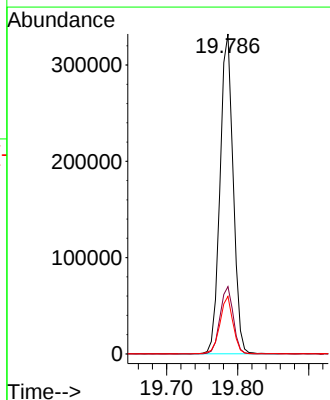
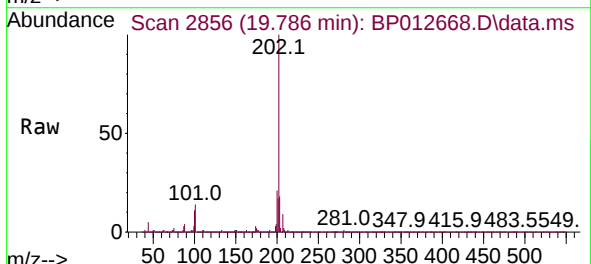
Manual Integrations
APPROVED

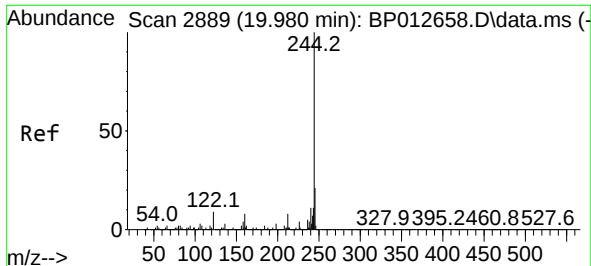
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#78
Pyrene
Concen: 3.467 ng
RT: 19.786 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

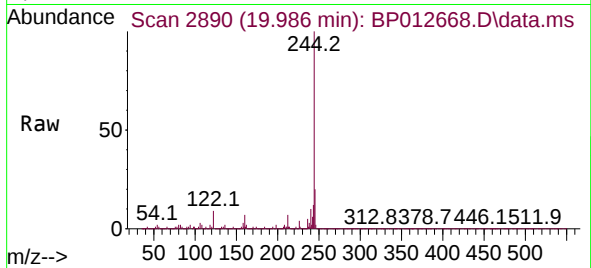
Tgt Ion:202 Resp: 429210
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 82.790 ng
 RT: 19.986 min Scan# 2889
 Delta R.T. 0.006 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

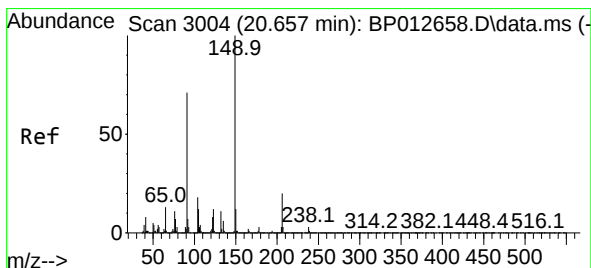
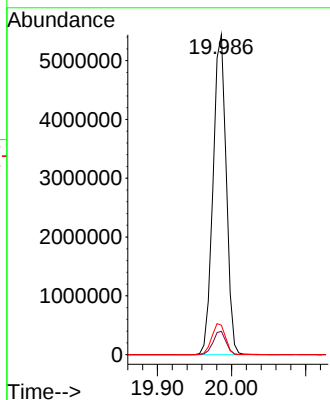
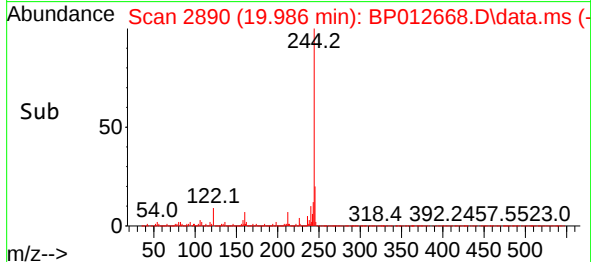
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:244 Resp: 671284
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 9.2 7.5 11.3

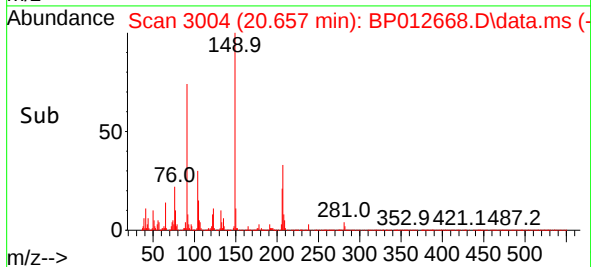
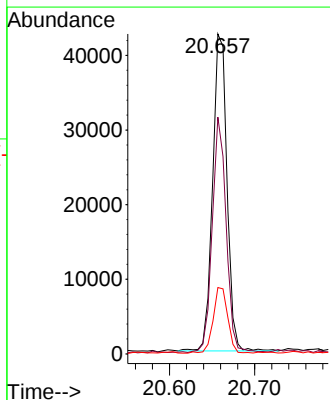
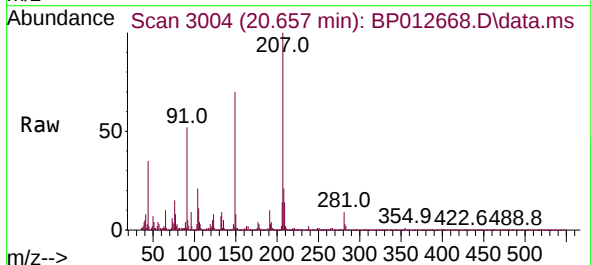
Manual Integrations
 APPROVED

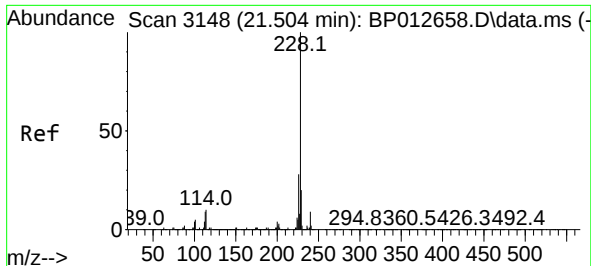
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#80
 Butylbenzylphthalate
 Concen: 2.228 ng
 RT: 20.657 min Scan# 3004
 Delta R.T. -0.000 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

Tgt Ion:149 Resp: 49793
 Ion Ratio Lower Upper
 149 100
 91 74.0 56.9 85.3
 206 20.7 16.1 24.1





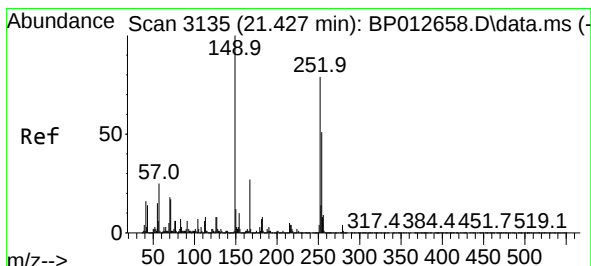
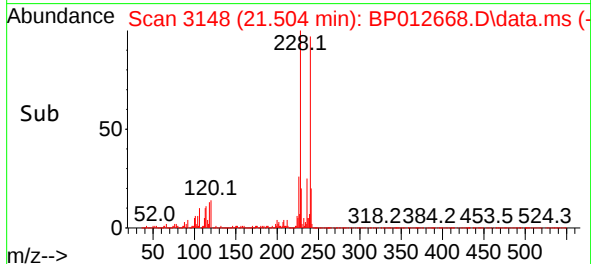
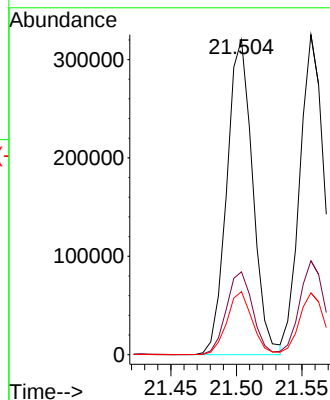
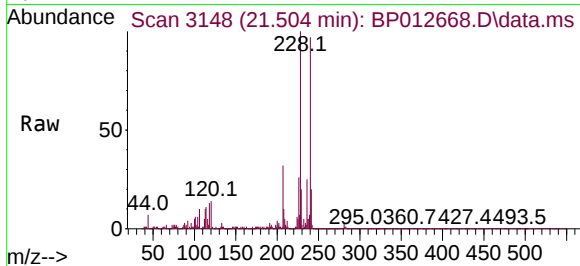
#81
Benzo(a)anthracene
Concen: 3.575 ng
RT: 21.504 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:228 Resp: 43907
Ion Ratio Lower Upper
228 100
226 26.3 22.2 33.2
229 20.0 16.2 24.2

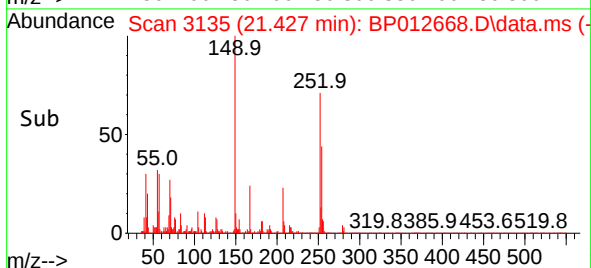
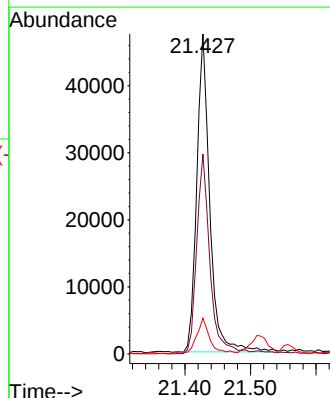
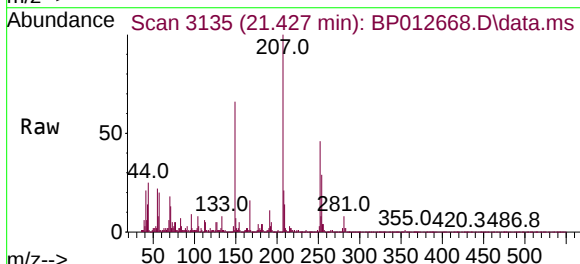
Manual Integrations
APPROVED

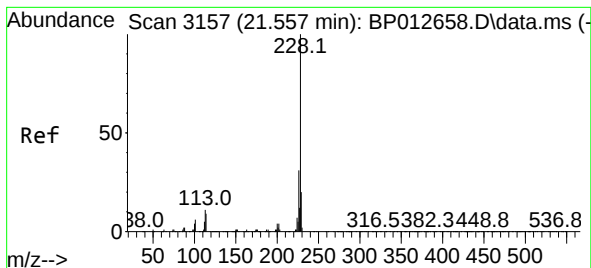
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 2.111 ng
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:252 Resp: 65255
Ion Ratio Lower Upper
252 100
254 62.4 51.9 77.9
126 11.2 8.2 12.4





#83

Chrysene

Concen: 3.644 ng

RT: 21.557 min Scan# 3157

Delta R.T. -0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

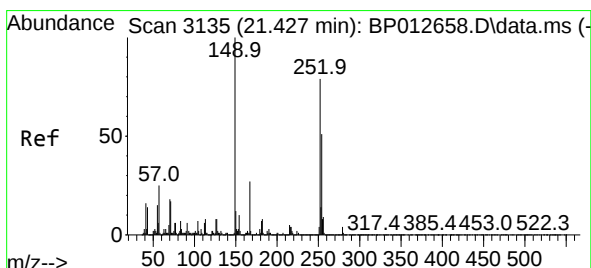
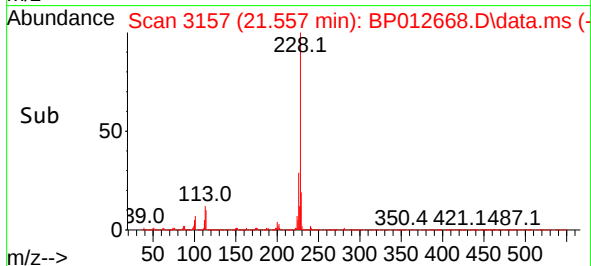
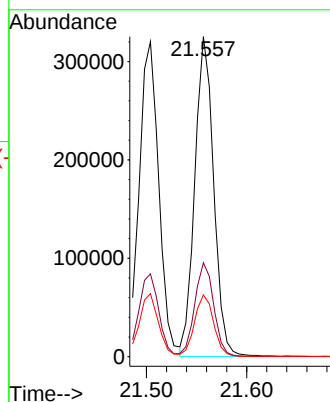
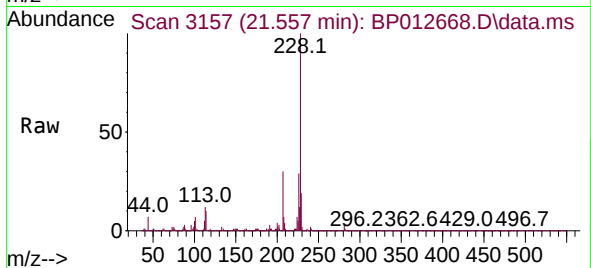
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	228	Resp:	424404
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.6	36.8
229	19.3	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.096 ng

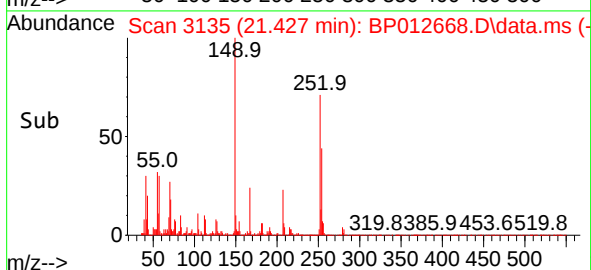
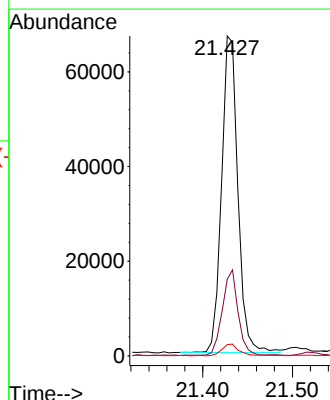
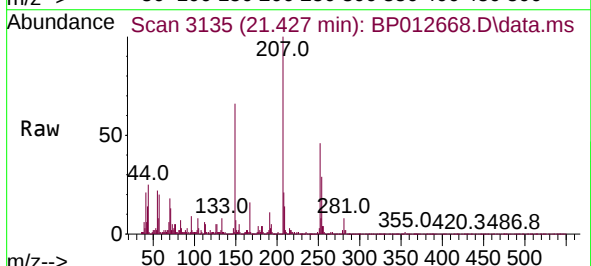
RT: 21.427 min Scan# 3135

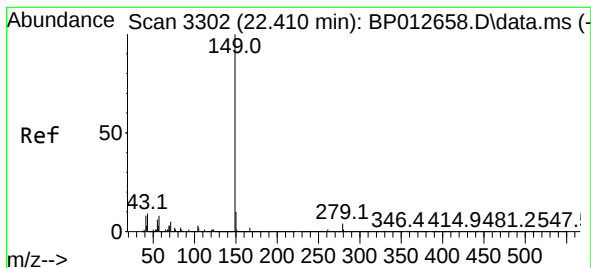
Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:	149	Resp:	84884
Ion Ratio	Lower	Upper	
149	100		
167	23.9	21.7	32.5
279	3.5	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 1.630 ng

RT: 22.404 min Scan# 3301

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

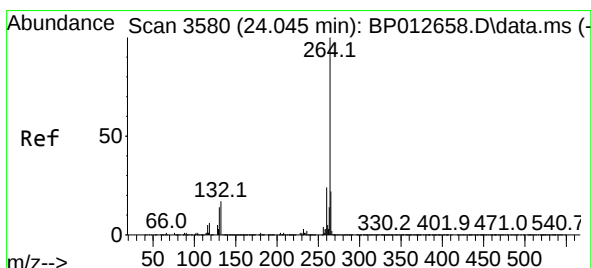
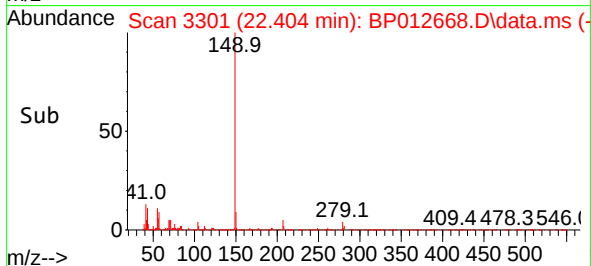
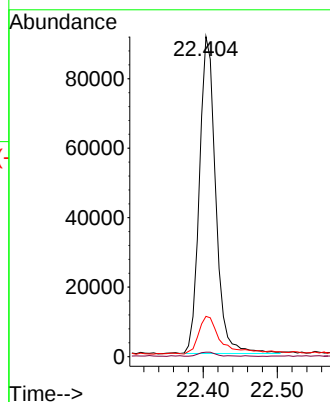
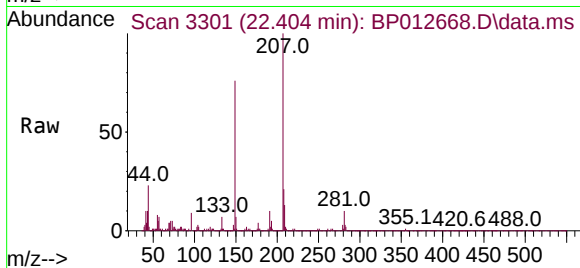
Tgt Ion:	149	Resp:	139628
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	15.8	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#86

Perylene-d12

Concen: 20.000 ng

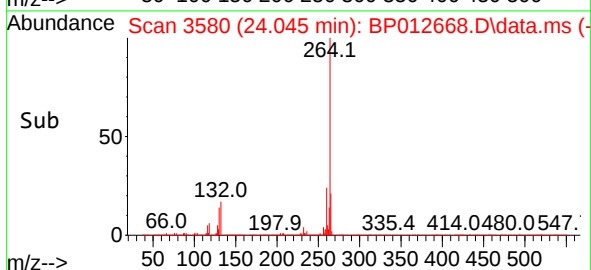
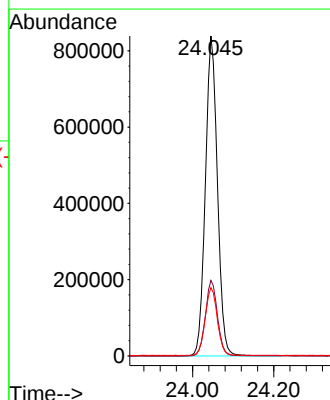
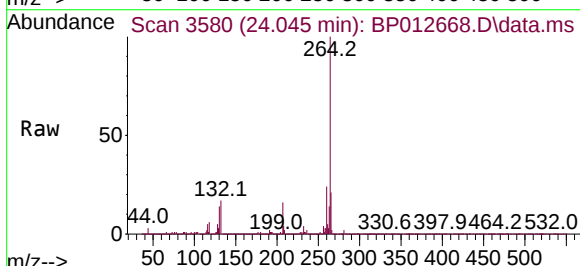
RT: 24.045 min Scan# 3580

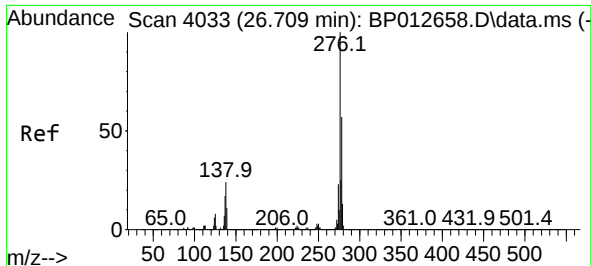
Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:	264	Resp:	1725759
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.3	28.9
265	21.4	17.3	25.9





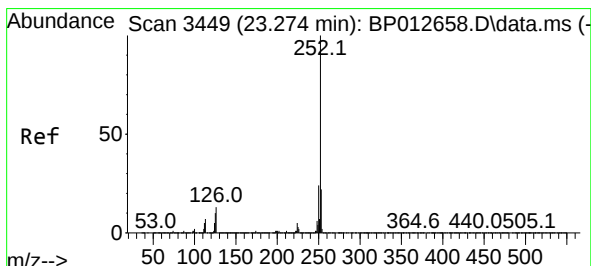
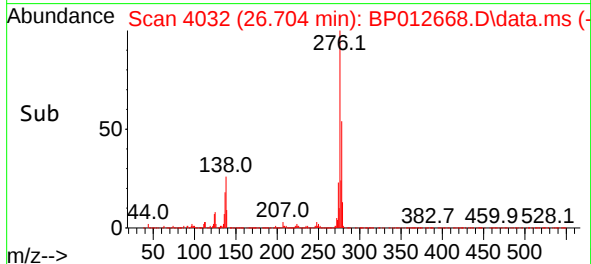
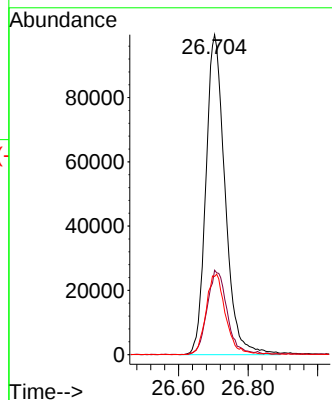
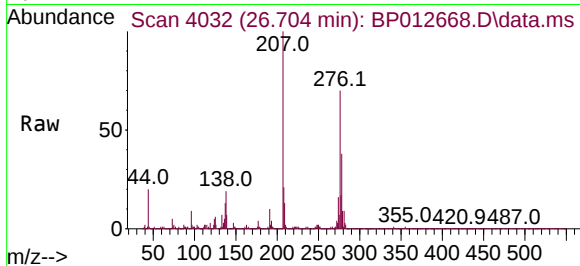
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.031 ng
 RT: 26.704 min Scan# 4033
 Delta R.T. -0.006 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 276 Resp: 38076
 Ion Ratio Lower Upper
 276 100
 138 27.2 20.8 31.2
 277 25.6 20.2 30.2

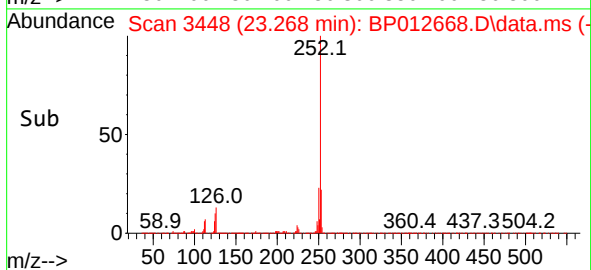
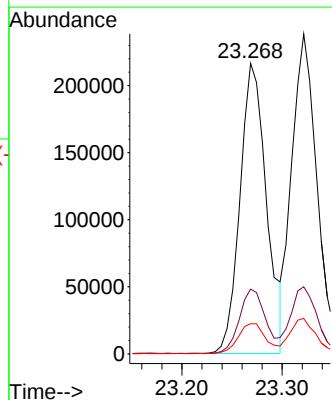
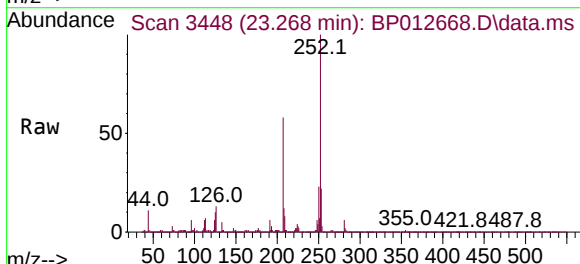
Manual Integrations
 APPROVED

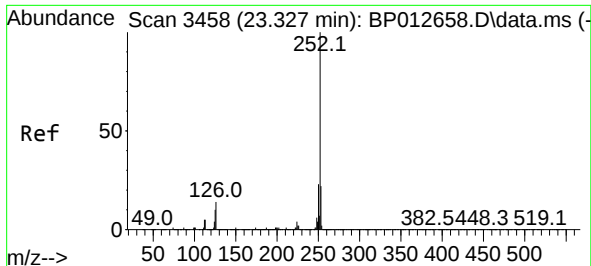
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022



#88
 Benzo(b)fluoranthene
 Concen: 3.486 ng
 RT: 23.268 min Scan# 3448
 Delta R.T. -0.006 min
 Lab File: BP012668.D
 Acq: 18 Nov 2022 10:43

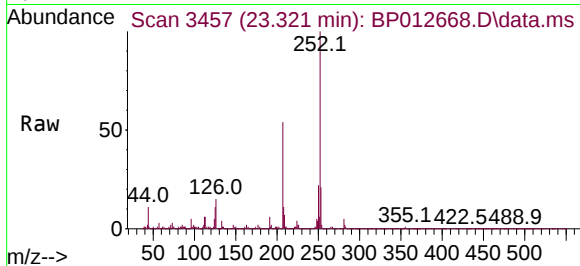
Tgt Ion: 252 Resp: 398225
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 10.4 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 3.706 ng
RT: 23.321 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

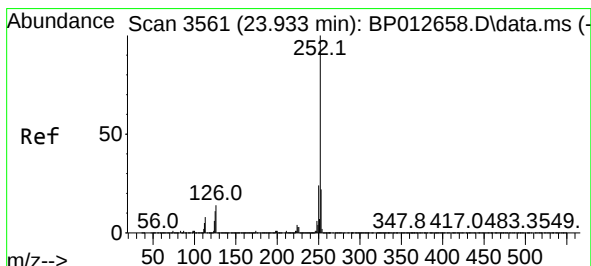
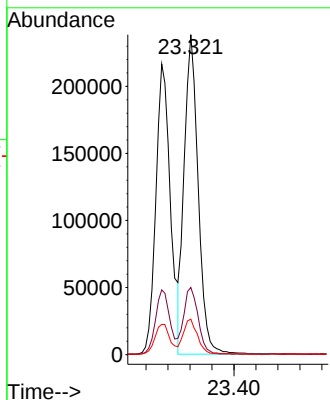
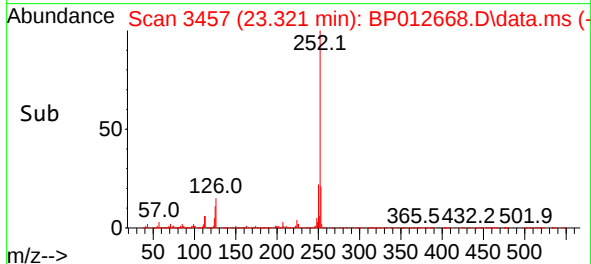
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:252 Resp: 420773
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.2
125 11.1 7.9 11.9

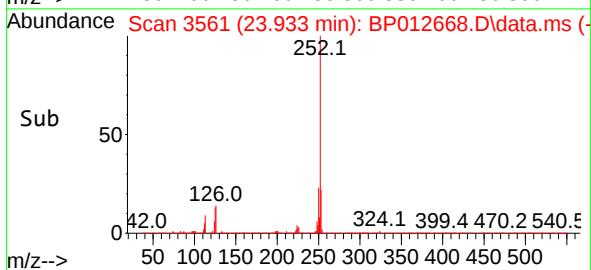
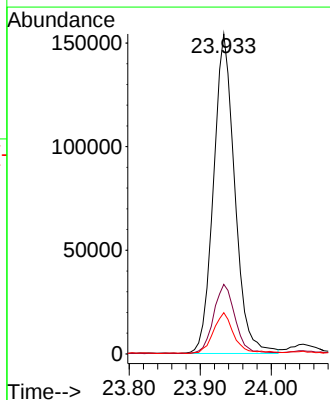
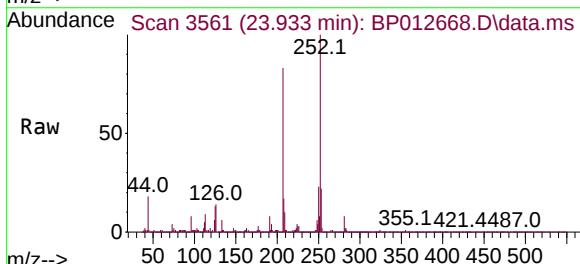
Manual Integrations
APPROVED

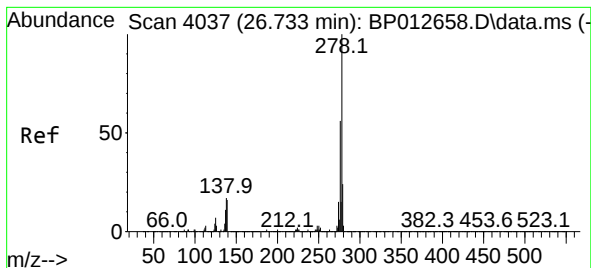
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 3.386 ng
RT: 23.933 min Scan# 3561
Delta R.T. 0.000 min
Lab File: BP012668.D
Acq: 18 Nov 2022 10:43

Tgt Ion:252 Resp: 321029
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 12.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.333 ng

RT: 26.727 min Scan# 4037

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

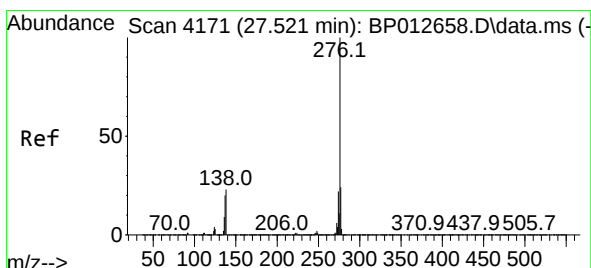
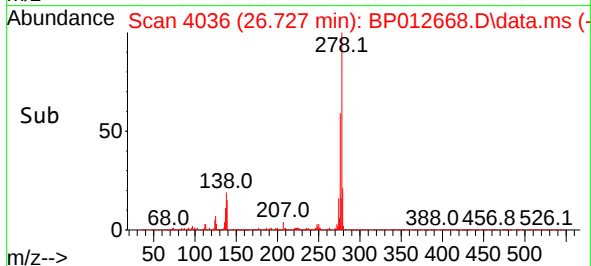
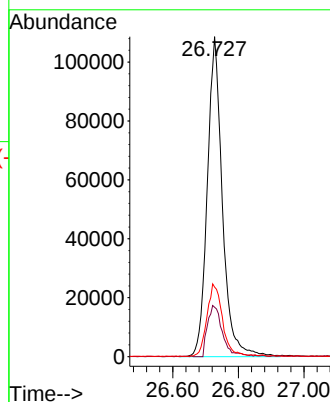
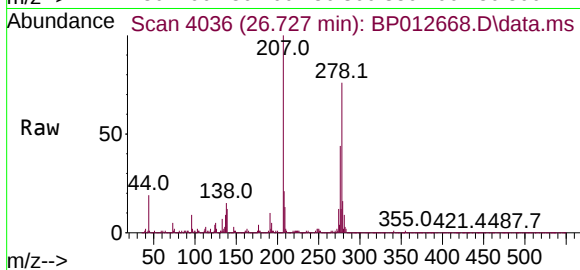
Tgt Ion:	278	Resp:	346254
Ion Ratio	Lower	Upper	
278	100		
139	15.4	13.0	19.4
279	21.7	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#92

Benzo(g,h,i)perylene

Concen: 3.240 ng

RT: 27.509 min Scan# 4169

Delta R.T. -0.012 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:	276	Resp:	326933
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.4	29.2
138	22.9	18.1	27.1

