

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091522\
 Data File : BP011708.D
 Acq On : 15 Sep 2022 12:51
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Sep 15 13:27:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 13:27:29 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	372910	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	1486733	20.000	ng	# 0.00
39) Acenaphthene-d10	14.581	164	838207	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1640476	20.000	ng	# 0.00
76) Chrysene-d12	21.410	240	1524706	20.000	ng	# 0.00
86) Perylene-d12	23.868	264	1467156	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2125800	103.762	ng	0.00
7) Phenol-d6	7.093	99	2764578	101.231	ng	0.00
23) Nitrobenzene-d5	9.104	82	1860416	74.214	ng	0.00
42) 2,4,6-Tribromophenol	16.069	330	653530	99.787	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	4155688	77.066	ng	0.00
79) Terphenyl-d14	19.886	244	5439724	77.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	36997	4.101	ng	# 81
3) Pyridine	3.799	79	67317	2.588	ng	83
4) n-Nitrosodimethylamine	3.699	42	34645	3.474	ng	# 47
6) Aniline	7.263	93	128114	3.808	ng	92
8) 2-Chlorophenol	7.499	128	88369	3.638	ng	94
9) Benzaldehyde	7.075	77	79896	4.570	ng	98
10) Phenol	7.122	94	111726	3.637	ng	86
11) bis(2-Chloroethyl)ether	7.358	93	94071	3.844	ng	90
12) 1,3-Dichlorobenzene	7.828	146	99910m	3.709	ng	
13) 1,4-Dichlorobenzene	7.975	146	101614	3.709	ng	96
14) 1,2-Dichlorobenzene	8.293	146	97879	3.748	ng	97
15) Benzyl Alcohol	8.181	79	63663	3.265	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.475	45	125377	3.836	ng	92
17) 2-Methylphenol	8.381	107	62618	3.140	ng	92
18) Hexachloroethane	9.028	117	34301	3.620	ng	95
19) n-Nitroso-di-n-propyla...	8.746	70	57607	3.258	ng	# 87
20) 3+4-Methylphenols	8.710	107	81169	2.963	ng	92
22) Acetophenone	8.763	105	125529	3.602	ng	# 90
24) Nitrobenzene	9.146	77	101182	3.879	ng	91
25) Isophorone	9.675	82	145378	3.278	ng	95
26) 2-Nitrophenol	9.857	139	26074	2.437	ng	# 86
27) 2,4-Dimethylphenol	9.916	122	66500	3.587	ng	88
28) bis(2-Chloroethoxy)met...	10.157	93	110343	3.891	ng	98
29) 2,4-Dichlorophenol	10.393	162	59585	2.901	ng	96
30) 1,2,4-Trichlorobenzene	10.610	180	79715	3.506	ng	97
31) Naphthalene	10.799	128	279547	3.623	ng	100
32) Benzoic acid	9.975	122	12637	0.911	ng	# 83
33) 4-Chloroaniline	10.910	127	98401	3.251	ng	92
34) Hexachlorobutadiene	11.087	225	43214	3.450	ng	96
35) Caprolactam	11.681	113	13055	1.962	ng	90
36) 4-Chloro-3-methylphenol	12.028	107	63319	2.867	ng	94
37) 2-Methylnaphthalene	12.404	142	176624	3.421	ng	96
38) 1-Methylnaphthalene	12.622	142	170412	3.376	ng	97
40) 1,2,4,5-Tetrachloroben...	12.769	216	80307	3.630	ng	# 96
41) Hexachlorocyclopentadiene	12.751	237	42295	3.830	ng	95
43) 2,4,6-Trichlorophenol	13.010	196	40125	2.666	ng	92

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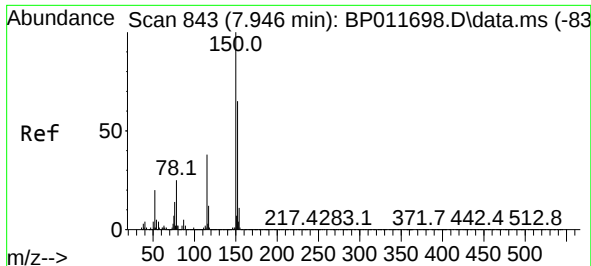
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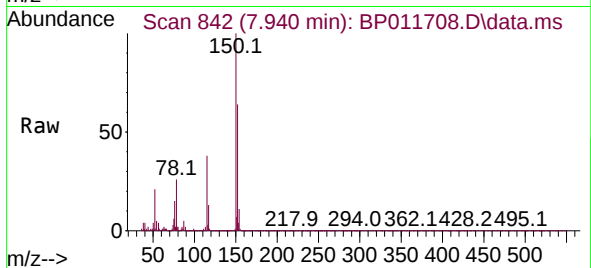
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.081	196	46094	2.740	ng	99
46) 1,1'-Biphenyl	13.416	154	240416	3.943	ng	99
47) 2-Chloronaphthalene	13.457	162	175080	3.649	ng	100
48) 2-Nitroaniline	13.657	65	34106	2.535	ng	99
49) Acenaphthylene	14.298	152	231868	3.123	ng	100
50) Dimethylphthalate	14.034	163	198504	3.395	ng	99
51) 2,6-Dinitrotoluene	14.151	165	29697	2.504	ng	90
52) Acenaphthene	14.640	154	167112	3.384	ng	95
53) 3-Nitroaniline	14.481	138	30505	2.231	ng	# 96
54) 2,4-Dinitrophenol	14.681	184	8866	1.535	ng	96
55) Dibenzofuran	14.975	168	259626	3.651	ng	98
56) 4-Nitrophenol	14.781	139	20691	1.796	ng	# 80
57) 2,4-Dinitrotoluene	14.934	165	33014	2.149	ng	96
58) Fluorene	15.628	166	201375	3.491	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.198	232	35801	2.590	ng	95
60) Diethylphthalate	15.398	149	191039	3.281	ng	98
61) 4-Chlorophenyl-phenyle...	15.622	204	93935	3.523	ng	99
62) 4-Nitroaniline	15.639	138	29262	2.129	ng	# 79
63) Azobenzene	15.916	77	164290	2.937	ng	92
65) 4,6-Dinitro-2-methylph...	15.698	198	13384	1.668	ng	92
66) n-Nitrosodiphenylamine	15.834	169	158663	3.251	ng	98
67) 4-Bromophenyl-phenylether	16.522	248	50105	3.263	ng	98
68) Hexachlorobenzene	16.634	284	55572	3.360	ng	93
69) Atrazine	16.786	200	45880	3.079	ng	97
70) Pentachlorophenol	16.981	266	22133	2.109	ng	98
71) Phenanthrene	17.375	178	317051	3.552	ng	98
72) Anthracene	17.463	178	280970	3.328	ng	98
73) Carbazole	17.733	167	255085	3.203	ng	100
74) Di-n-butylphthalate	18.286	149	263537	2.745	ng	99
75) Fluoranthene	19.333	202	313994	3.262	ng	94
77) Benzidine	19.516	184	101623	2.803	ng	98
78) Pyrene	19.686	202	332480	3.233	ng	99
80) Butylbenzylphthalate	20.563	149	100596	2.334	ng	96
81) Benzo(a)anthracene	21.398	228	322110	3.278	ng	99
82) 3,3'-Dichlorobenzidine	21.327	252	92451	3.097	ng	# 98
83) Chrysene	21.451	228	330470	3.520	ng	100
84) Bis(2-ethylhexyl)phtha...	21.322	149	147717	2.383	ng	# 99
85) Di-n-octyl phthalate	22.263	149	231982	2.181	ng	96
87) Indeno(1,2,3-cd)pyrene	26.427	276	313167	2.963	ng	# 89
88) Benzo(b)fluoranthene	23.110	252	317190	3.496	ng	# 96
89) Benzo(k)fluoranthene	23.163	252	308062	3.369	ng	# 94
90) Benzo(a)pyrene	23.757	252	246145	3.284	ng	# 92
91) Dibenzo(a,h)anthracene	26.445	278	286315	3.262	ng	# 92
92) Benzo(g,h,i)perylene	27.209	276	280629	3.280	ng	# 91

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.940 min Scan# 84
 Delta R.T. -0.006 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51

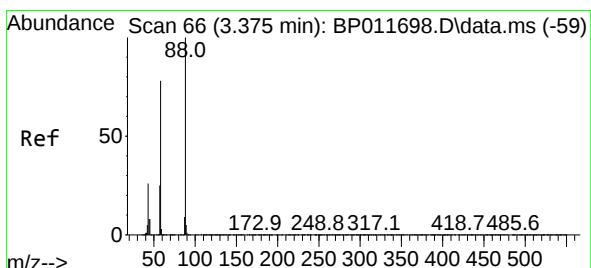
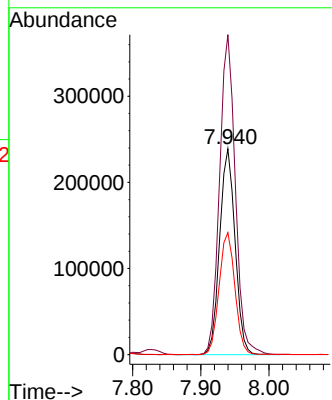
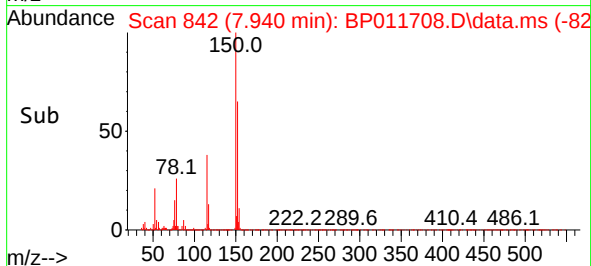
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



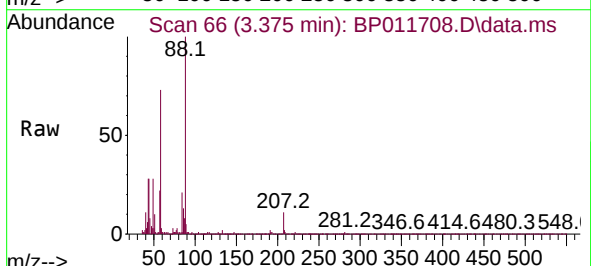
Tgt Ion: 152 Resp: 372910
 Ion Ratio Lower Upper
 152 100
 150 155.4 123.4 185.2
 115 59.3 51.3 76.9

Manual Integrations
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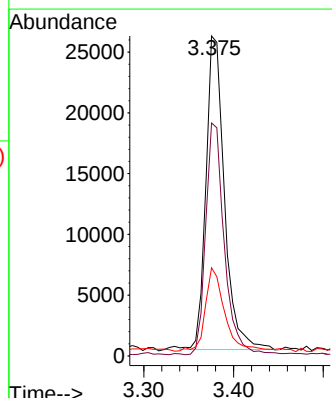
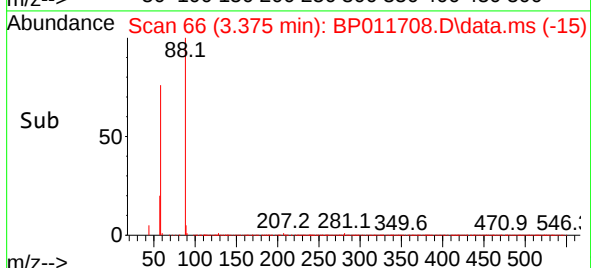
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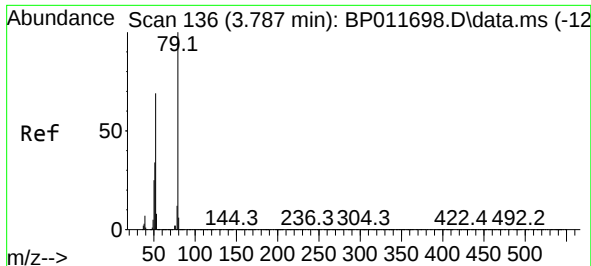


#2
 1,4-Dioxane
 Concen: 4.101 ng
 RT: 3.375 min Scan# 66
 Delta R.T. 0.000 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51



Tgt Ion: 88 Resp: 36997
 Ion Ratio Lower Upper
 88 100
 58 74.2 74.5 111.7#
 43 27.9 31.5 47.3#





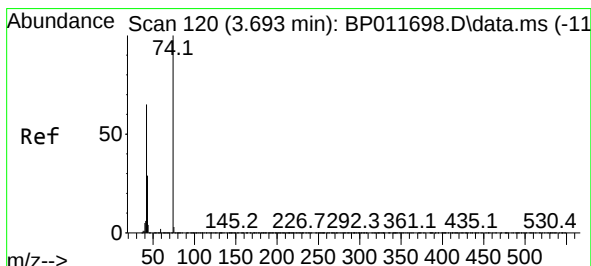
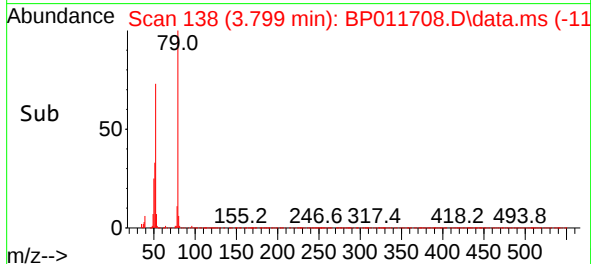
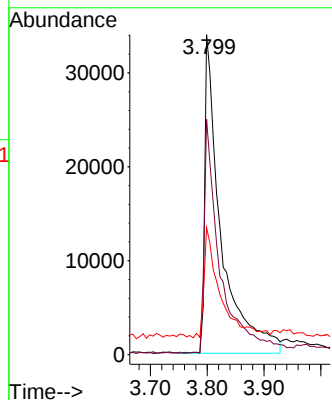
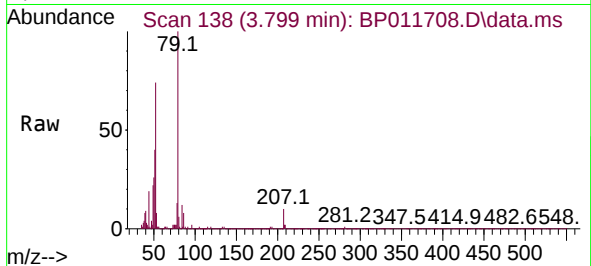
#3
Pyridine
Concen: 2.588 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 79 Resp: 6731
Ion Ratio Lower Upper
79 100
52 73.6 73.5 110.3
51 39.7 38.6 57.8

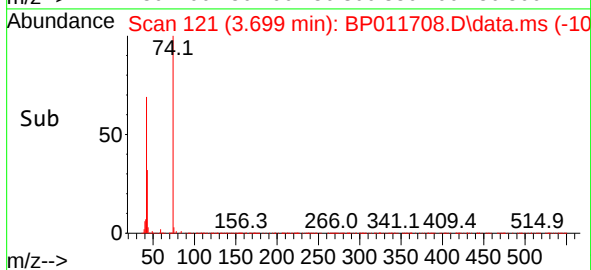
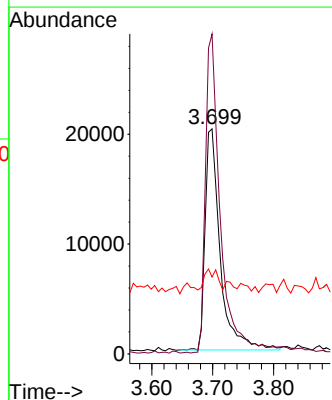
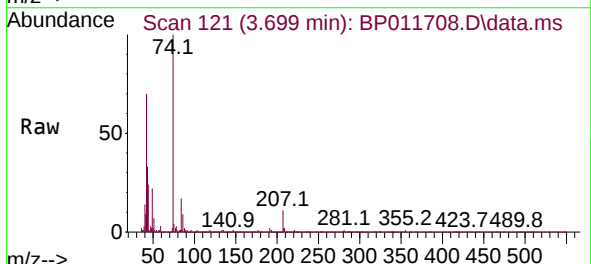
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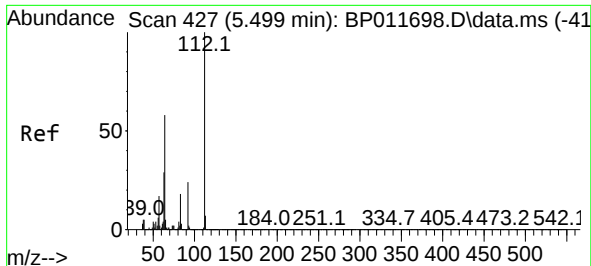
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#4
n-Nitrosodimethylamine
Concen: 3.474 ng
RT: 3.699 min Scan# 121
Delta R.T. 0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

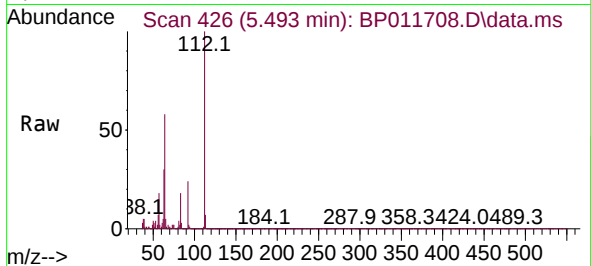
Tgt Ion: 42 Resp: 34645
Ion Ratio Lower Upper
42 100
74 142.2 74.4 111.6#
44 34.2 5.7 8.5#





#5
2-Fluorophenol
Concen: 103.762 ng
RT: 5.493 min Scan# 427
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

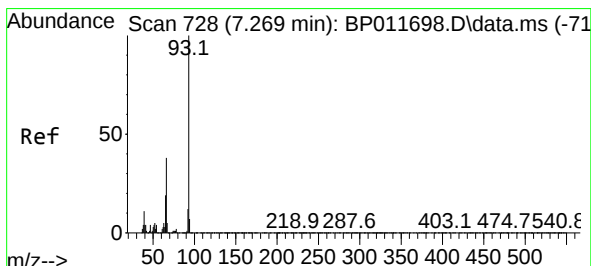
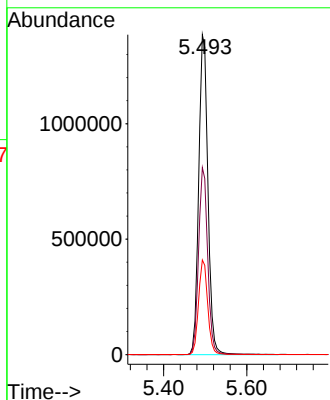
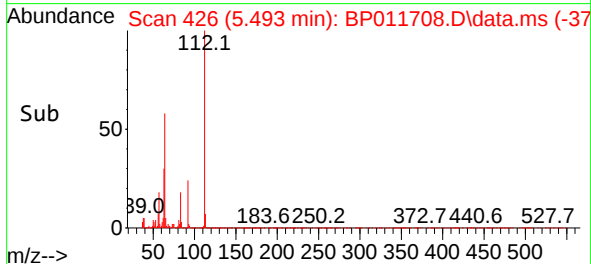
Instrument :
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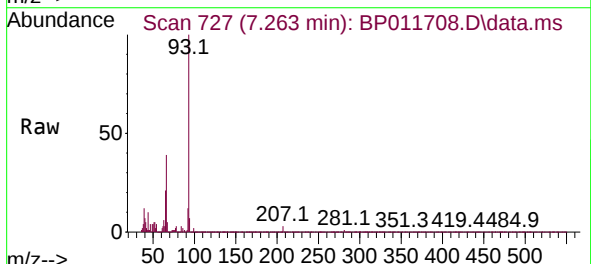
Tgt Ion:112 Resp: 2125800
Ion Ratio Lower Upper
112 100
64 58.4 56.9 85.3
63 29.6 31.2 46.8

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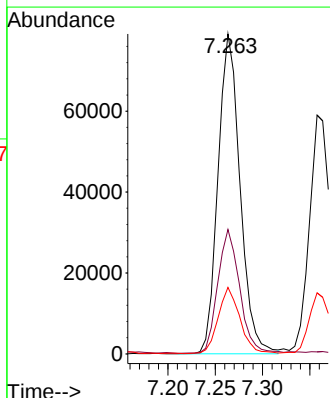
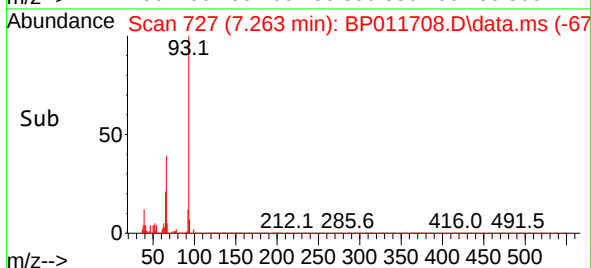
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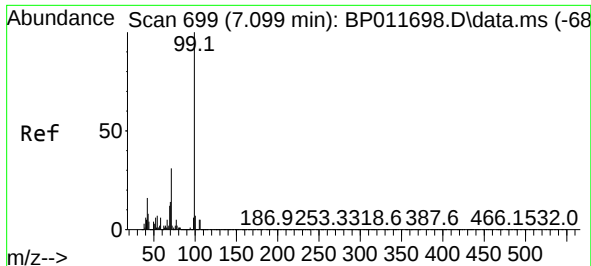


#6
Aniline
Concen: 3.808 ng
RT: 7.263 min Scan# 727
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion: 93 Resp: 128114
Ion Ratio Lower Upper
93 100
66 38.9 36.7 55.1
65 20.8 18.2 27.4





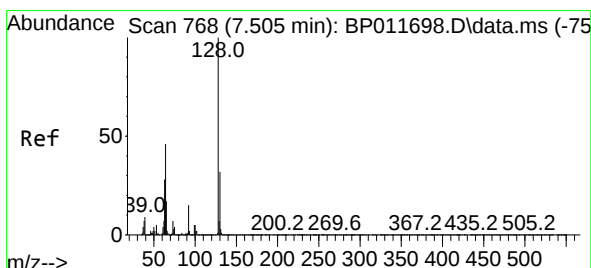
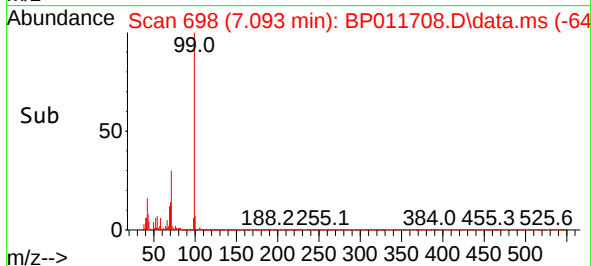
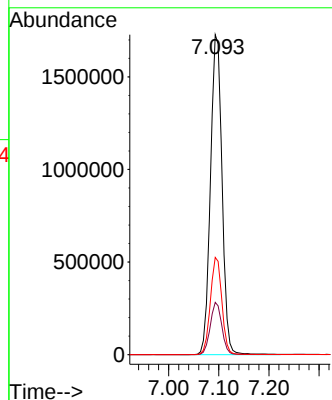
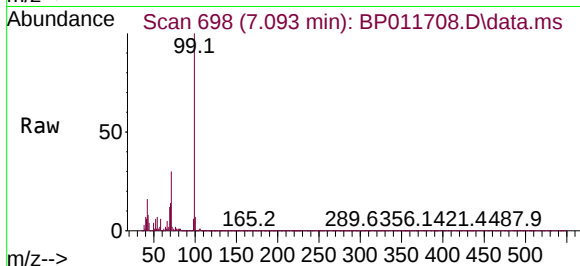
#7
Phenol-d6
Concen: 101.231 ng
RT: 7.093 min Scan# 699
Delta R.T. -0.006 min
Lab File: BP011708.D
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Instrument :
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Client Sample Id :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 99 Resp: 2764578
Ion Ratio Lower Upper
99 100
42 16.3 20.3 30.5
71 30.4 33.9 50.9

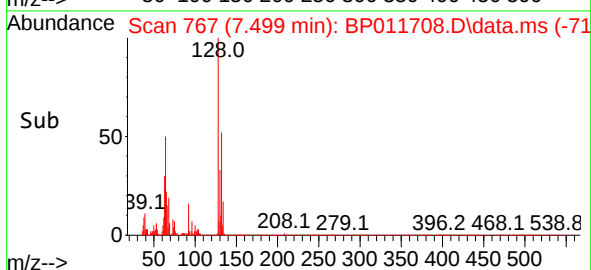
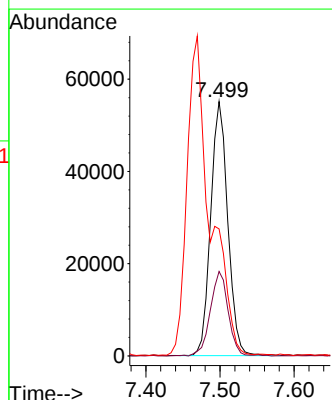
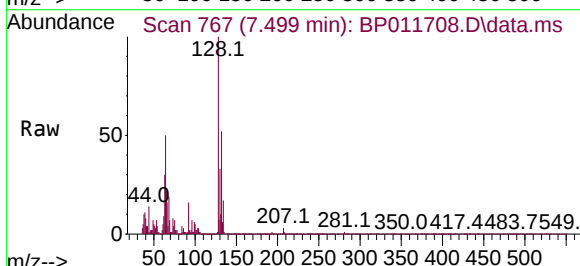
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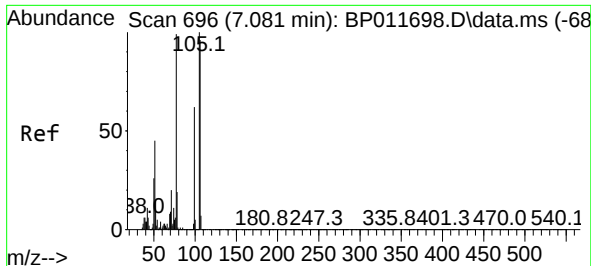
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#8
2-Chlorophenol
Concen: 3.638 ng
RT: 7.499 min Scan# 767
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:128 Resp: 88369
Ion Ratio Lower Upper
128 100
130 33.2 11.8 51.8
64 49.9 35.3 75.3





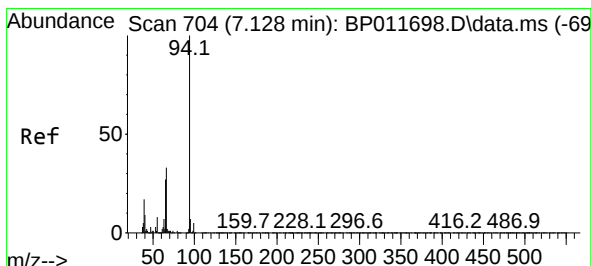
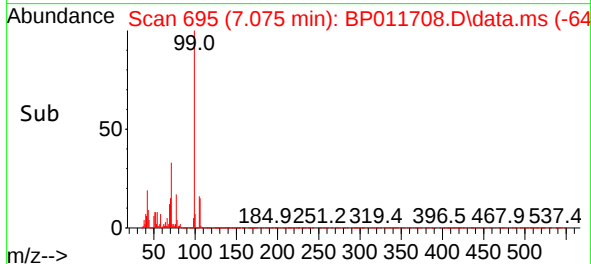
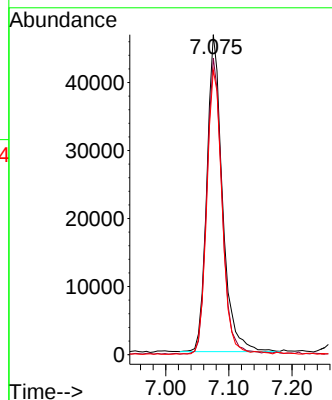
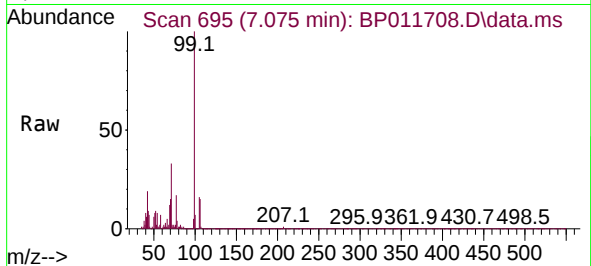
#9
Benzaldehyde
Concen: 4.570 ng
RT: 7.075 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 77 Resp: 79896
Ion Ratio Lower Upper
77 100
105 92.7 71.4 111.4
106 88.9 66.9 106.9

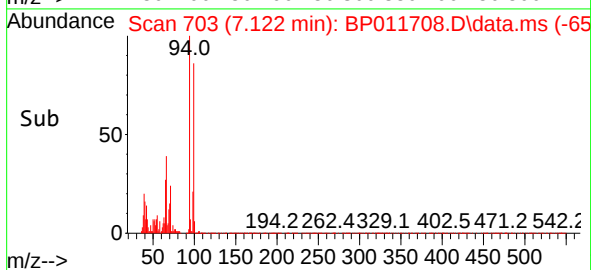
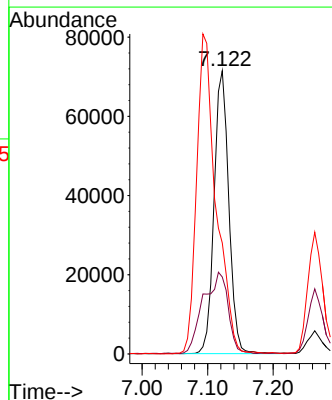
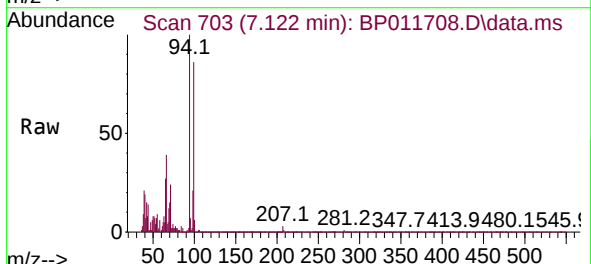
Manual Integrations
APPROVED

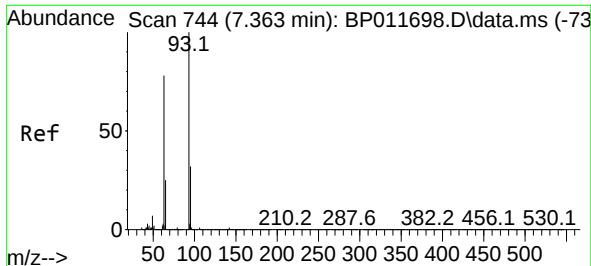
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#10
Phenol
Concen: 3.637 ng
RT: 7.122 min Scan# 703
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

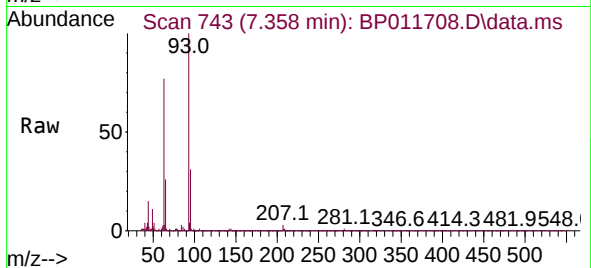
Tgt Ion: 94 Resp: 111726
Ion Ratio Lower Upper
94 100
65 27.2 14.0 54.0
66 39.2 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 3.844 ng
RT: 7.358 min Scan# 744
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

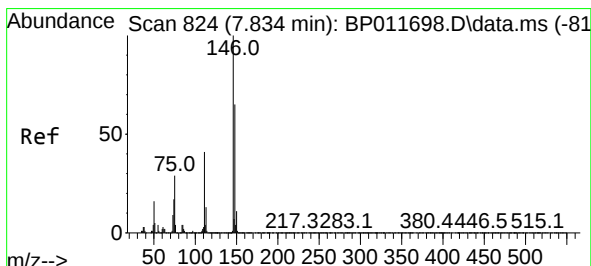
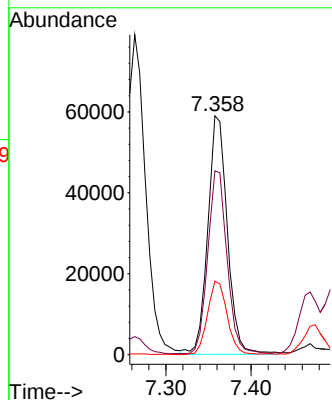
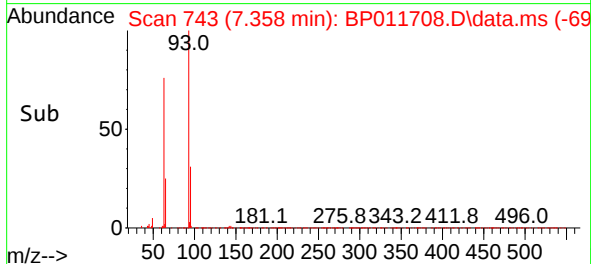
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



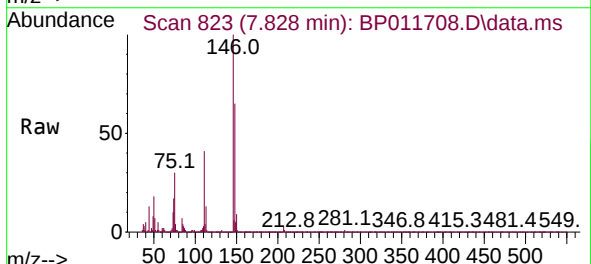
Tgt Ion: 93 Resp: 9407
Ion Ratio Lower Upper
93 100
63 76.9 68.2 108.2
95 30.7 12.2 52.2

Manual Integrations
APPROVED

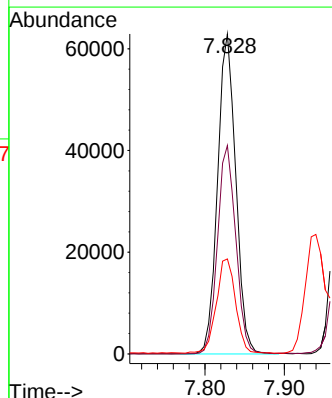
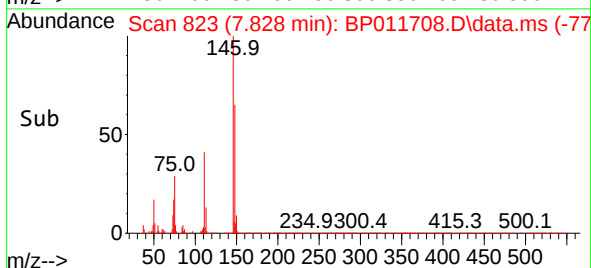
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

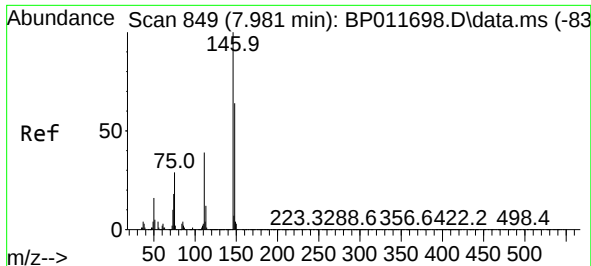


#12
1,3-Dichlorobenzene
Concen: 3.709 ng m
RT: 7.828 min Scan# 823
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion:146 Resp: 99910
Ion Ratio Lower Upper
146 100
148 65.1 53.0 79.4
75 29.7 31.3 46.9#





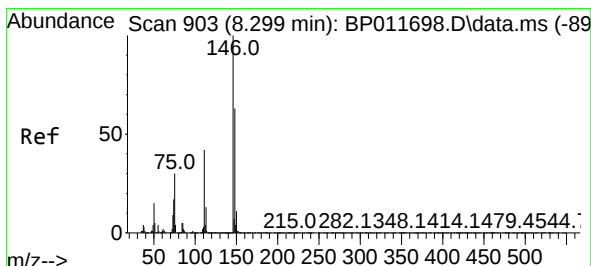
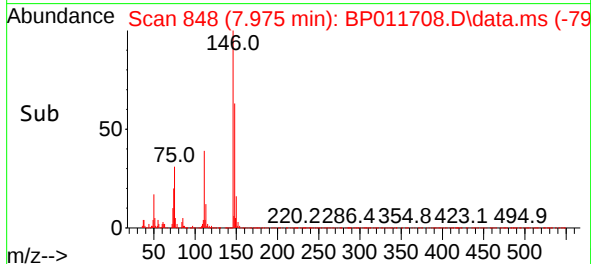
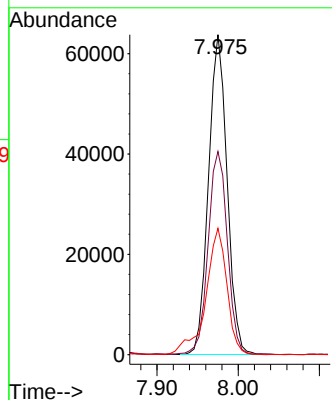
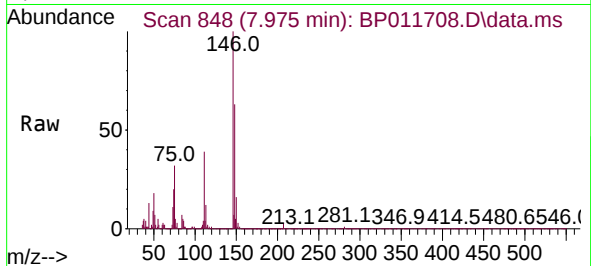
#13
1,4-Dichlorobenzene
Concen: 3.709 ng
RT: 7.975 min Scan# 849
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:146 Resp: 101614
Ion Ratio Lower Upper
146 100
148 63.5 51.6 77.4
111 39.5 35.2 52.8

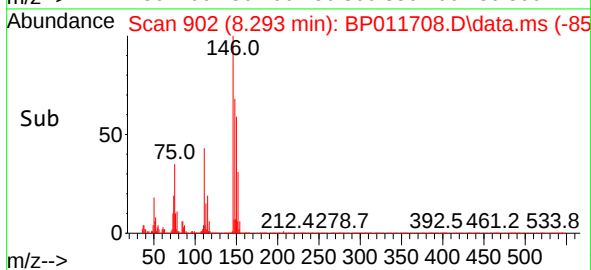
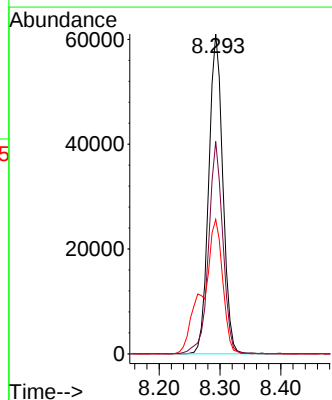
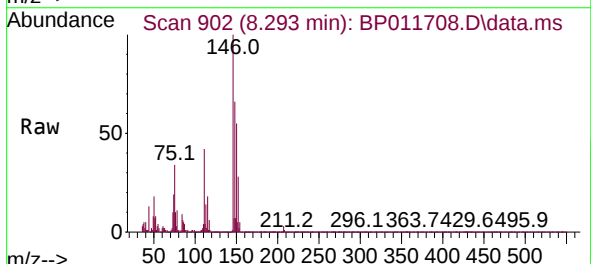
Manual Integrations
APPROVED

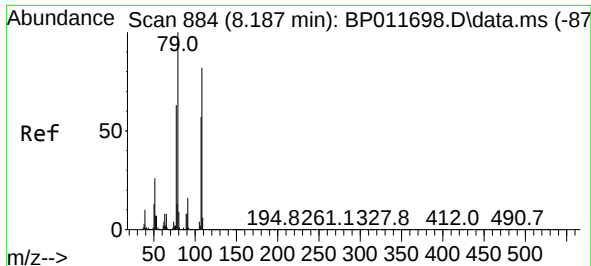
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#14
1,2-Dichlorobenzene
Concen: 3.748 ng
RT: 8.293 min Scan# 902
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:146 Resp: 97879
Ion Ratio Lower Upper
146 100
148 66.4 52.2 78.2
111 42.0 36.6 55.0





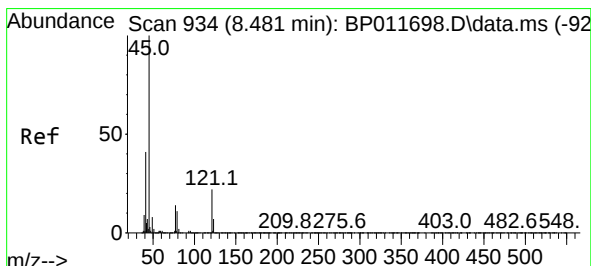
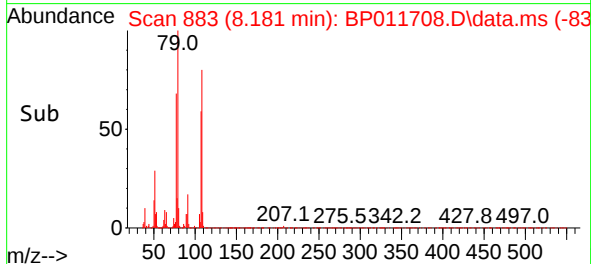
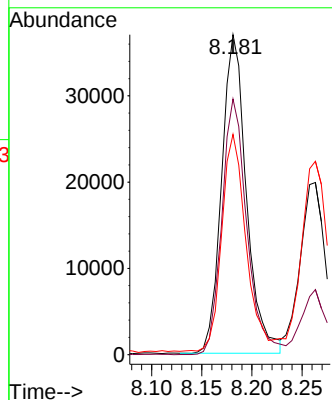
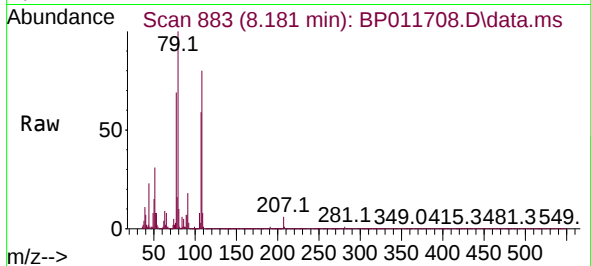
#15
Benzyl Alcohol
Concen: 3.265 ng
RT: 8.181 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 79 Resp: 63663
Ion Ratio Lower Upper
79 100
108 79.9 53.4 80.0
77 68.8 51.5 77.3

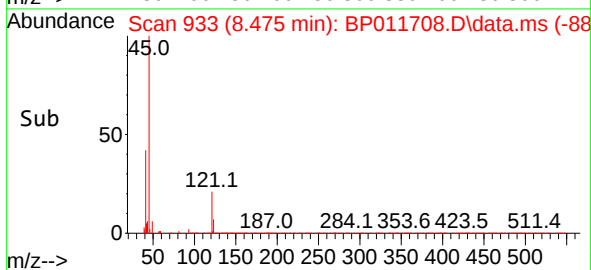
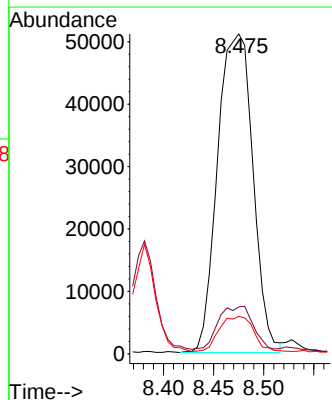
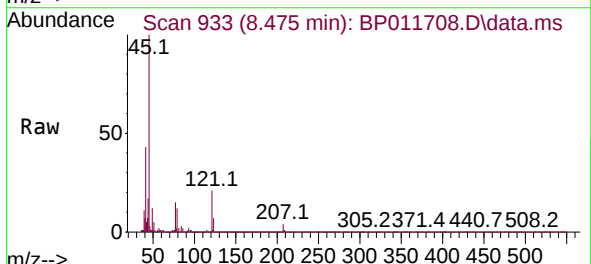
Manual Integrations
APPROVED

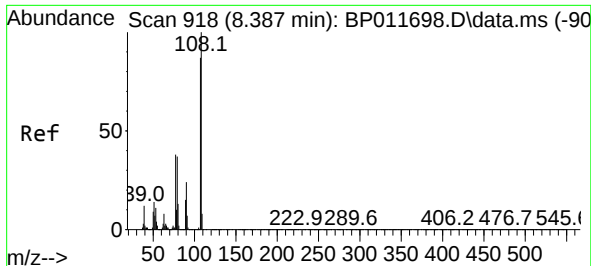
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.836 ng
RT: 8.475 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

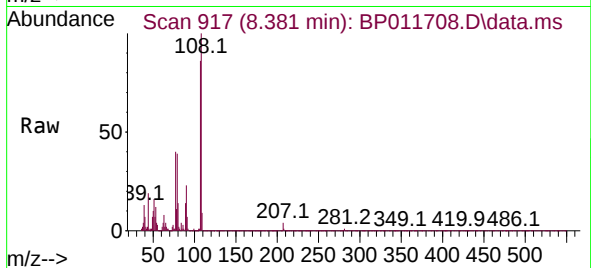
Tgt Ion: 45 Resp: 125377
Ion Ratio Lower Upper
45 100
77 14.7 0.0 31.8
79 11.7 0.0 28.8





#17
2-Methylphenol
Concen: 3.140 ng
RT: 8.381 min Scan# 917
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

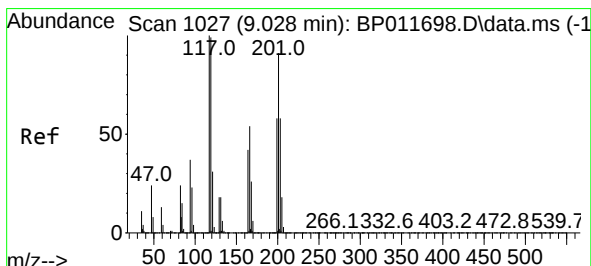
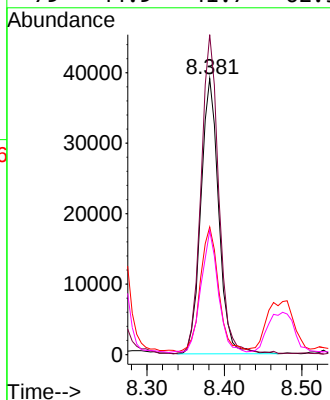
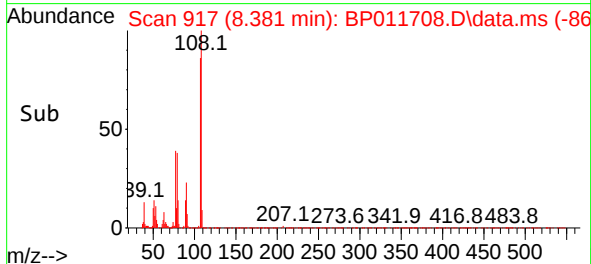
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.9	88.9	133.3
77	46.2	44.7	67.1
79	44.9	41.7	62.5

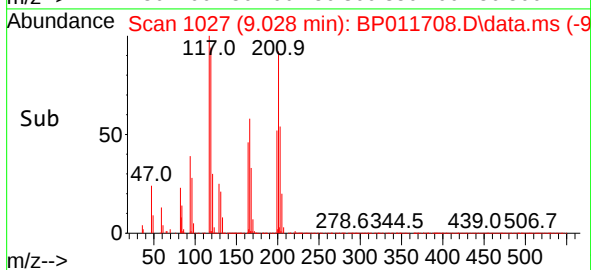
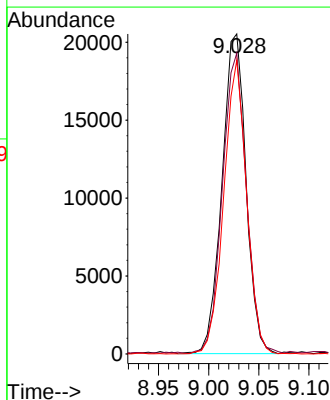
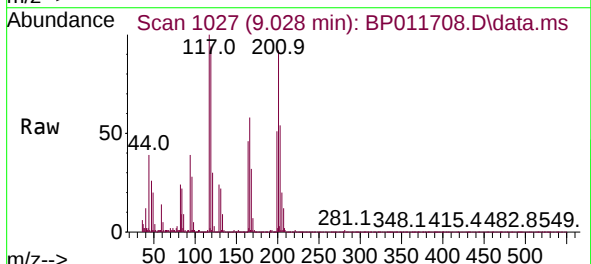
Manual Integrations
APPROVED

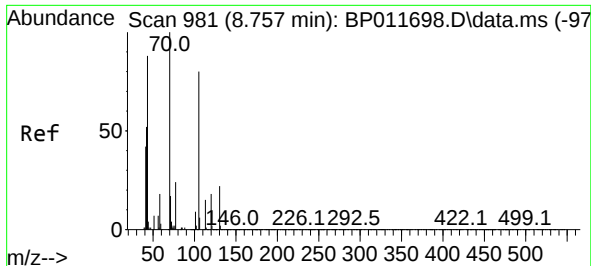
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#18
Hexachloroethane
Concen: 3.620 ng
RT: 9.028 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.6	113.4
201	91.8	80.9	121.3





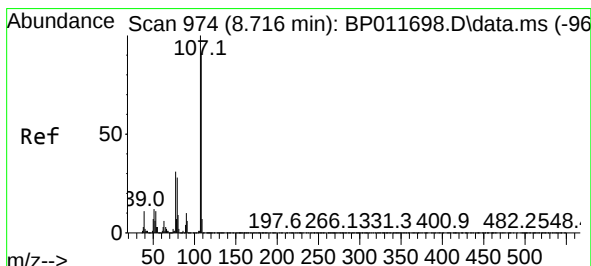
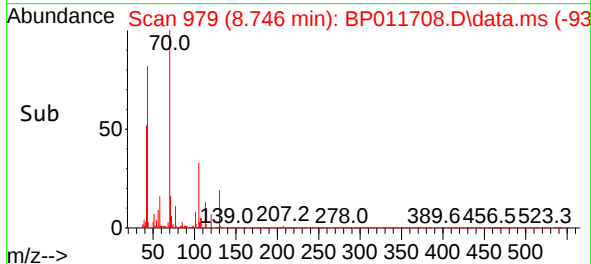
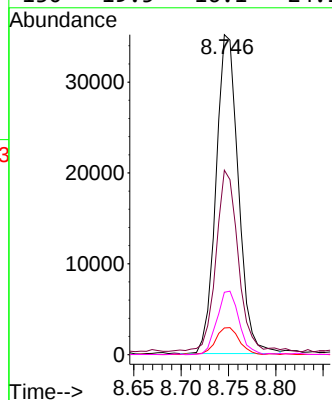
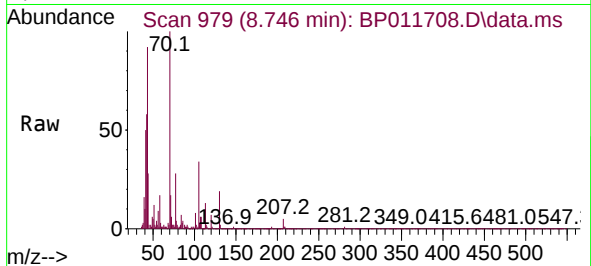
#19
n-Nitroso-di-n-propylamine
Concen: 3.258 ng
RT: 8.746 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 70 Resp: 5760
Ion Ratio Lower Upper
70 100
42 57.6 58.1 87.1
101 8.3 8.4 12.6
130 19.5 16.1 24.1

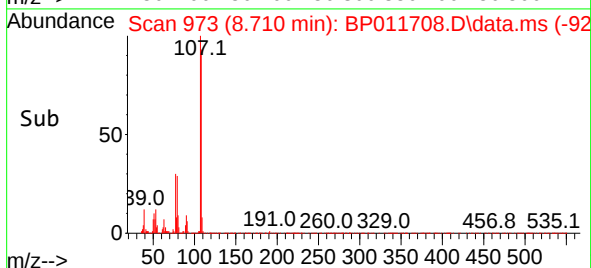
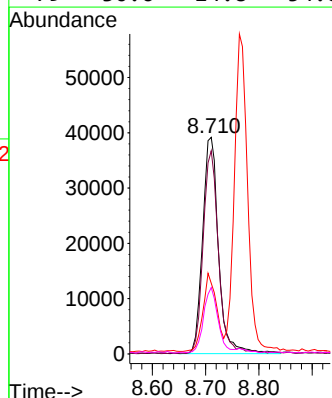
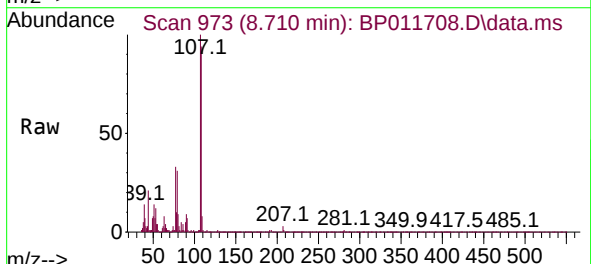
Manual Integrations
APPROVED

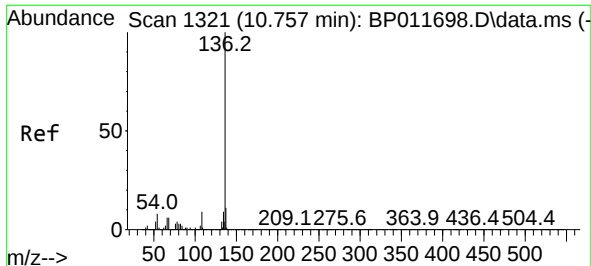
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#20
3+4-Methylphenols
Concen: 2.963 ng
RT: 8.710 min Scan# 973
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

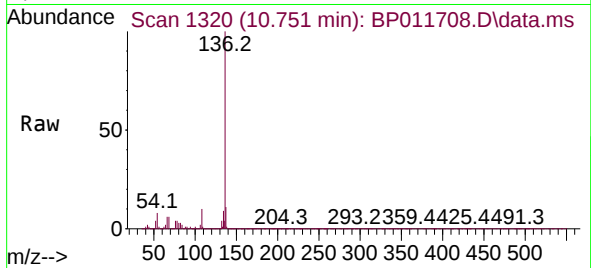
Tgt Ion:107 Resp: 81169
Ion Ratio Lower Upper
107 100
108 93.8 67.1 107.1
77 32.6 19.2 59.2
79 30.6 14.8 54.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.751 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

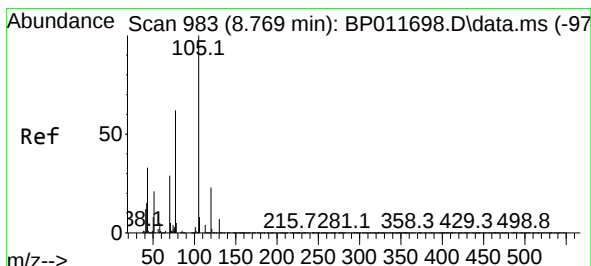
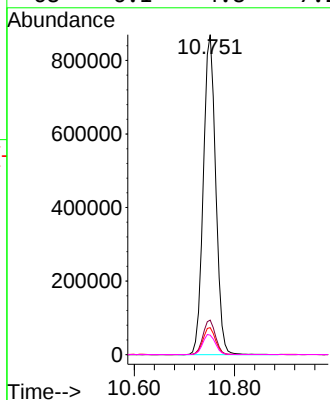
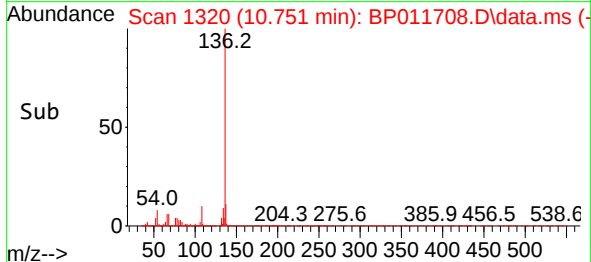
Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT3-2022



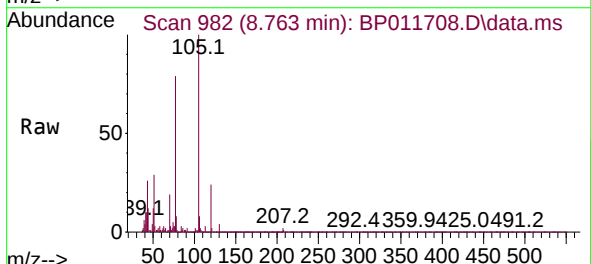
Tgt Ion:136 Resp: 1486733
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.4 8.7 13.1
68 6.1 4.8 7.2

Manual Integrations
APPROVED

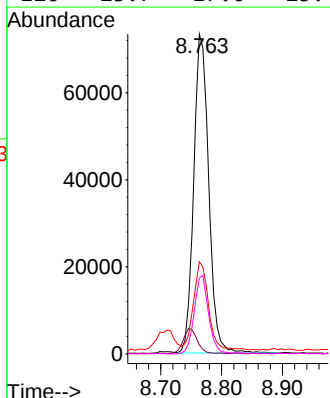
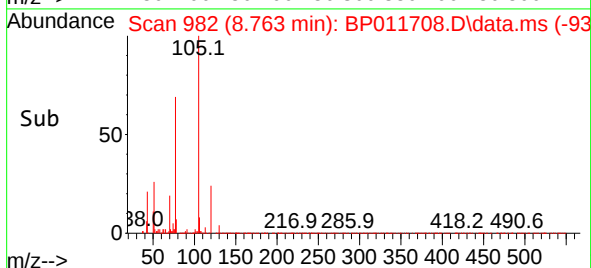
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

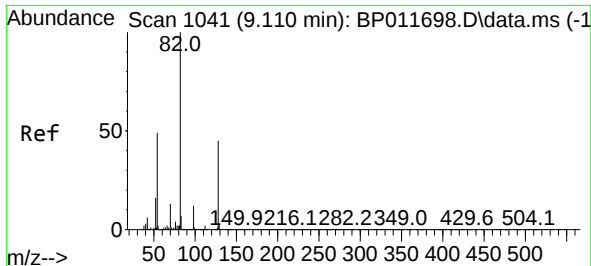


#22
Acetophenone
Concen: 3.602 ng
RT: 8.763 min Scan# 982
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



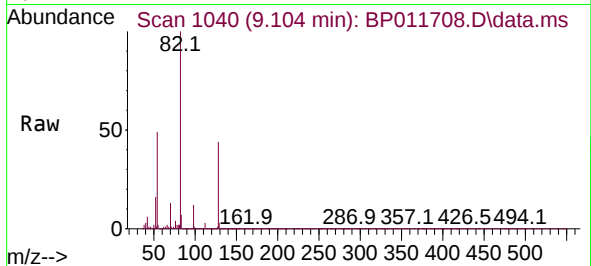
Tgt Ion:105 Resp: 125529
Ion Ratio Lower Upper
105 100
71 2.8 3.4 5.0#
51 28.8 29.5 44.3#
120 23.7 17.0 25.4





#23
Nitrobenzene-d5
Concen: 74.214 ng
RT: 9.104 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

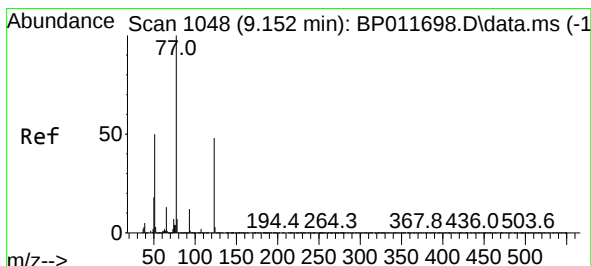
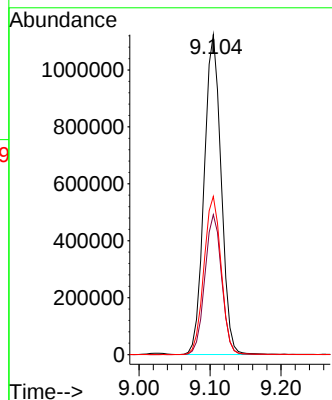
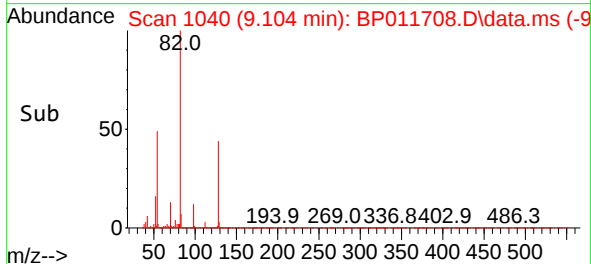
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



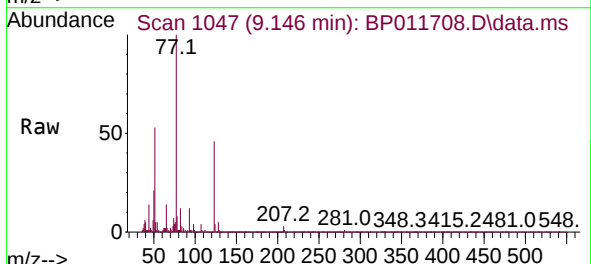
Tgt Ion: 82 Resp: 1860416
Ion Ratio Lower Upper
82 100
128 43.8 31.3 46.9
54 49.4 49.8 74.8

Manual Integrations
APPROVED

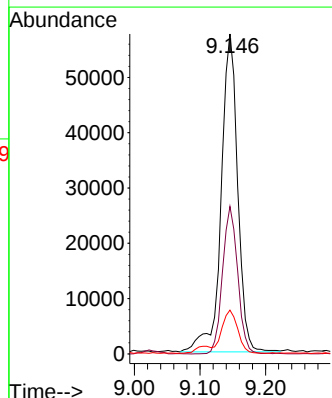
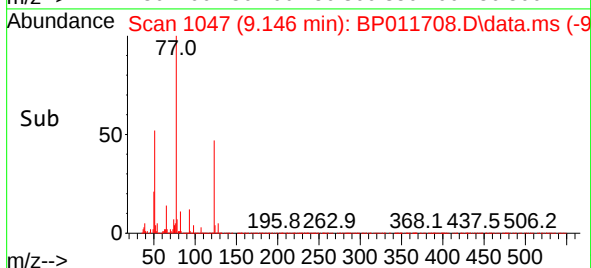
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

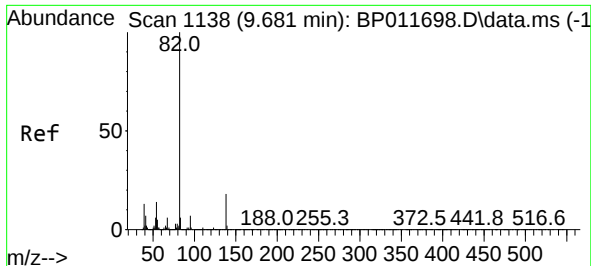


#24
Nitrobenzene
Concen: 3.879 ng
RT: 9.146 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



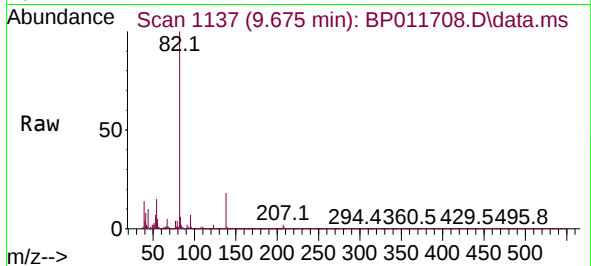
Tgt Ion: 77 Resp: 101182
Ion Ratio Lower Upper
77 100
123 46.1 31.1 46.7
65 13.7 12.1 18.1





#25
Isophorone
Concen: 3.278 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

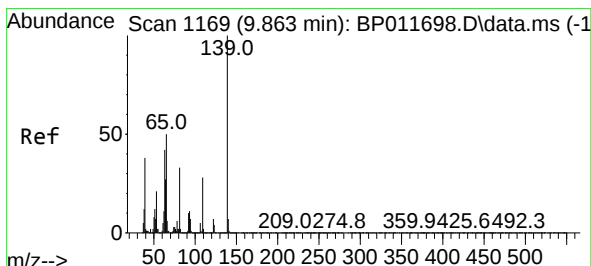
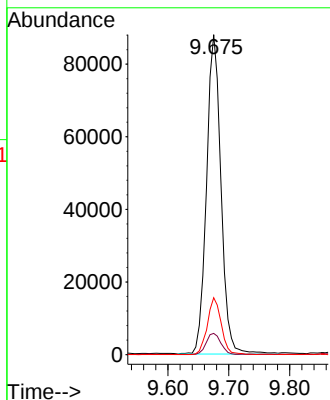
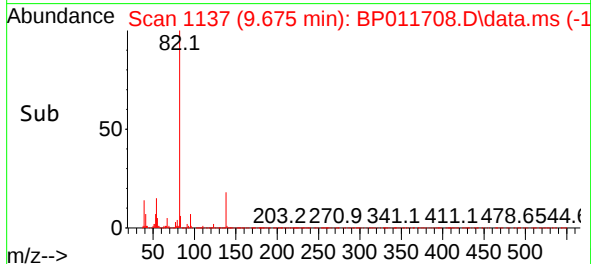
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 145378
Ion Ratio Lower Upper
82 100
95 6.6 6.5 9.7
138 17.8 12.4 18.6

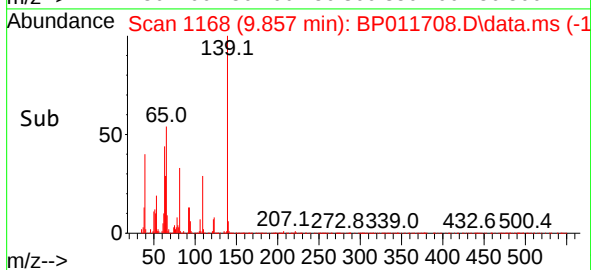
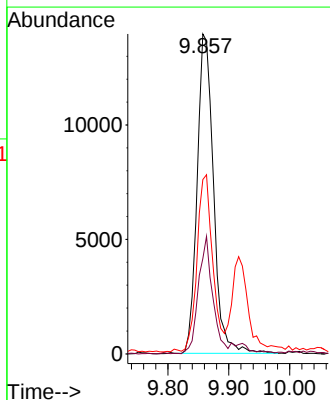
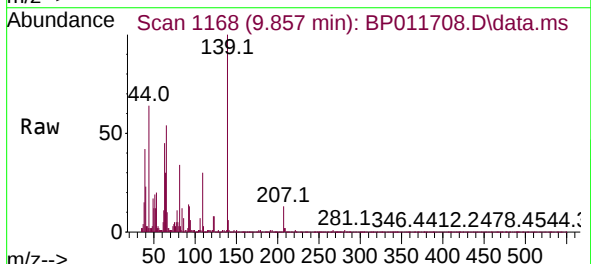
Manual Integrations
APPROVED

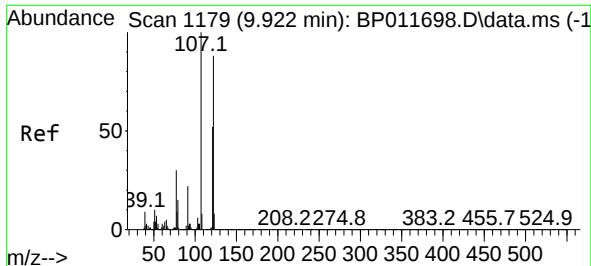
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#26
2-Nitrophenol
Concen: 2.437 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:139 Resp: 26074
Ion Ratio Lower Upper
139 100
109 29.8 30.2 45.4#
65 54.5 52.2 78.2





#27

2,4-Dimethylphenol

Concen: 3.587 ng

RT: 9.916 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BP011708.D

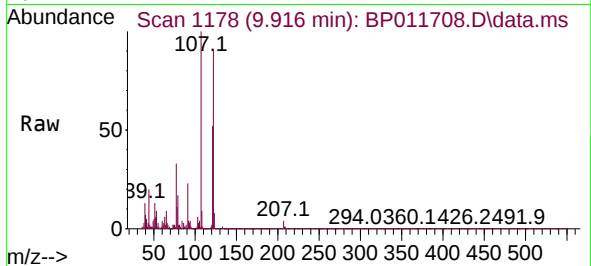
Acq: 15 Sep 2022 12:51

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:122 Resp: 66500

Ion Ratio Lower Upper

122 100

107 110.9 103.5 155.3

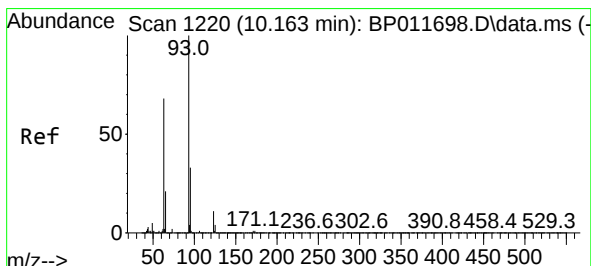
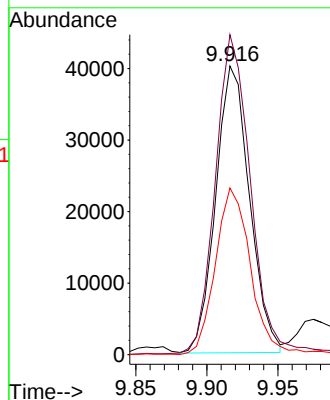
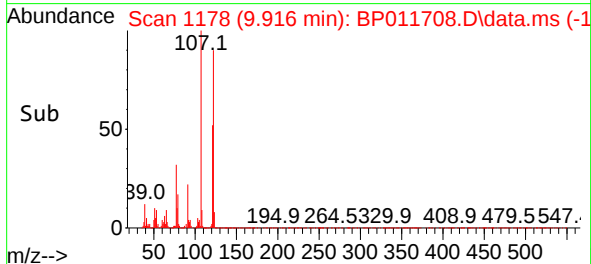
121 57.8 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.891 ng

RT: 10.157 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

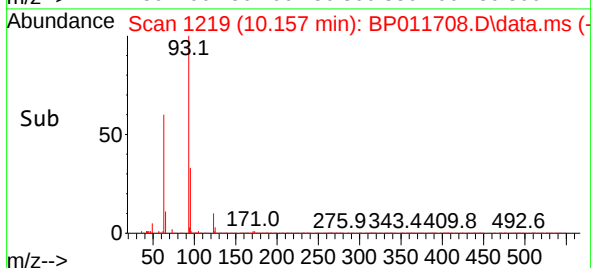
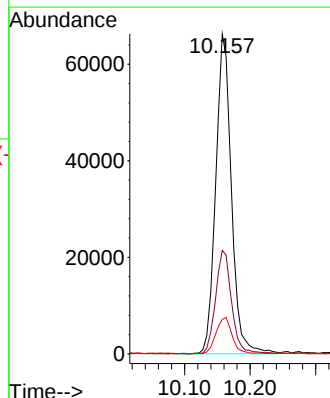
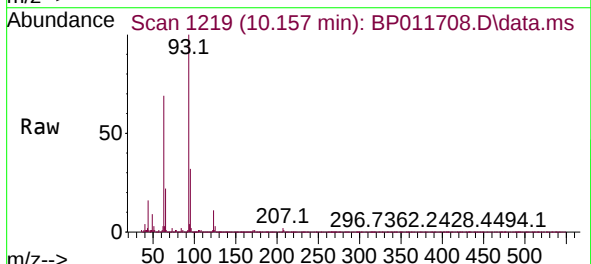
Tgt Ion: 93 Resp: 110343

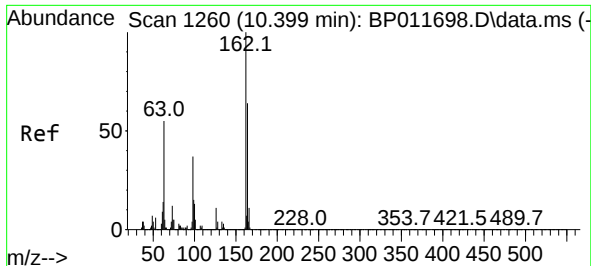
Ion Ratio Lower Upper

93 100

95 32.3 25.0 37.6

123 10.8 9.0 13.6





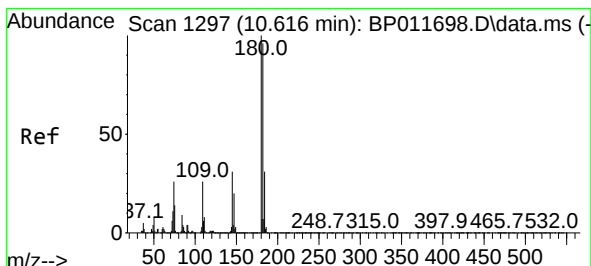
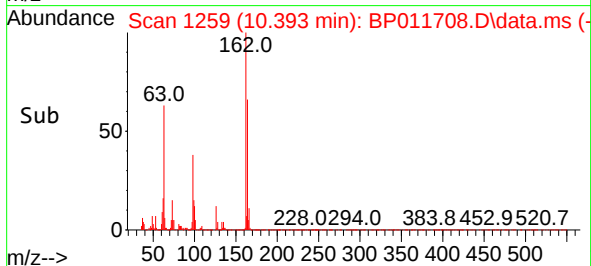
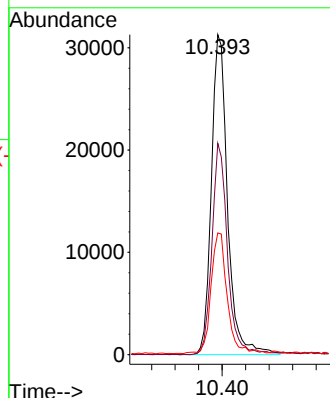
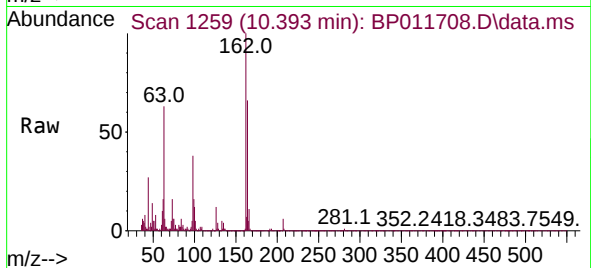
#29
2,4-Dichlorophenol
Concen: 2.901 ng
RT: 10.393 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 59585
Ion Ratio Lower Upper
162 100
164 66.0 43.0 83.0
98 38.0 20.4 60.4

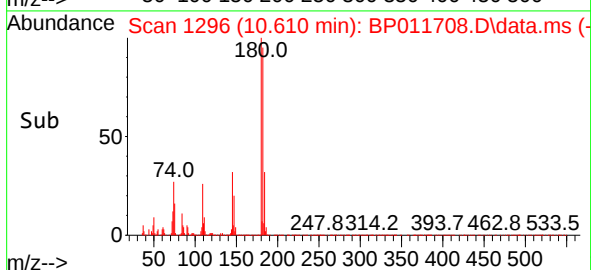
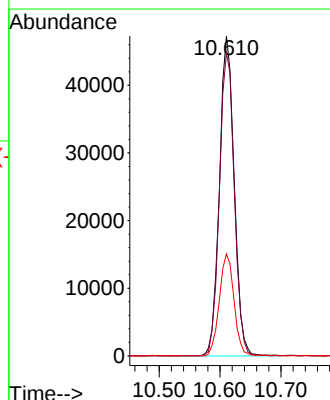
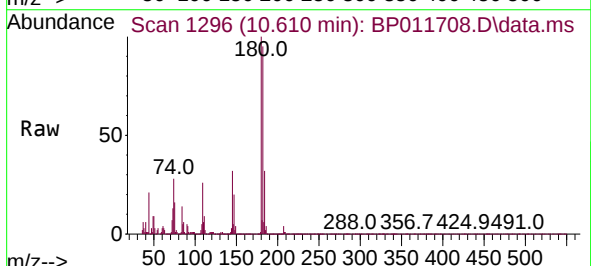
Manual Integrations
APPROVED

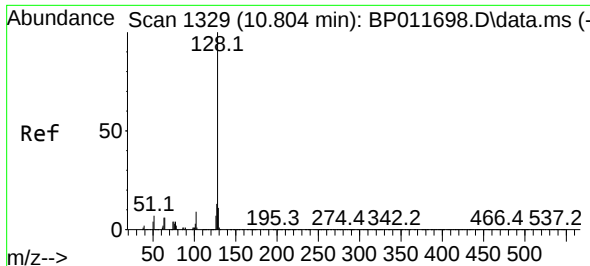
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#30
1,2,4-Trichlorobenzene
Concen: 3.506 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

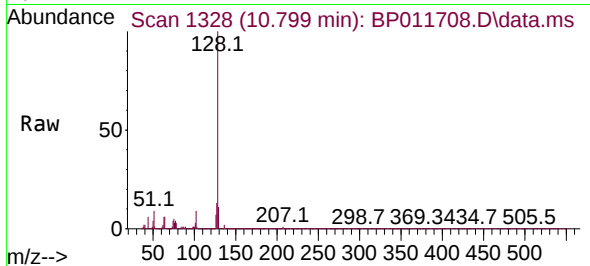
Tgt Ion:180 Resp: 79715
Ion Ratio Lower Upper
180 100
182 94.7 78.0 117.0
145 31.9 24.6 36.8





#31
Naphthalene
Concen: 3.623 ng
RT: 10.799 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

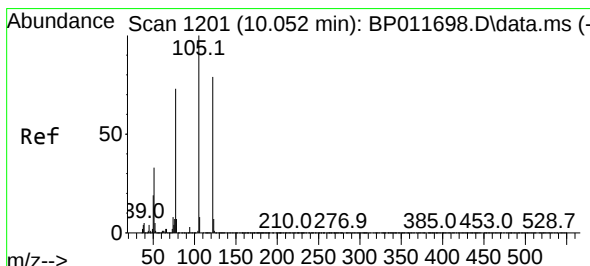
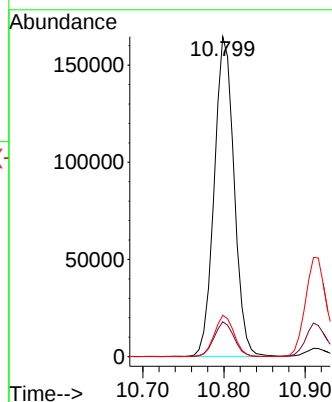
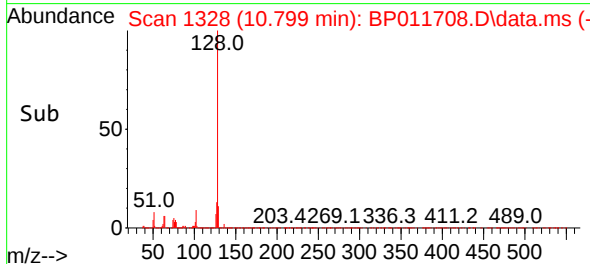
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:128 Resp: 279547
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.9 10.3 15.5

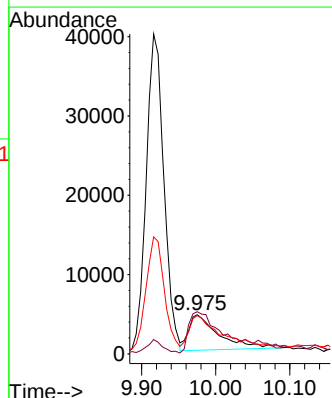
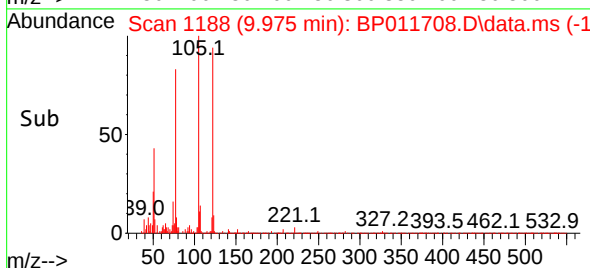
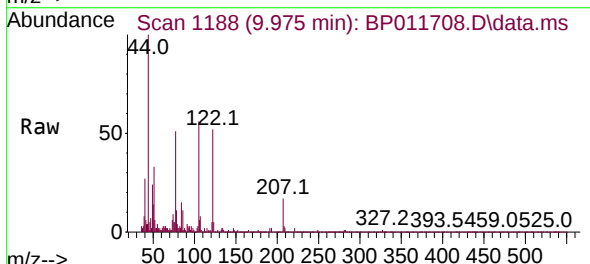
Manual Integrations
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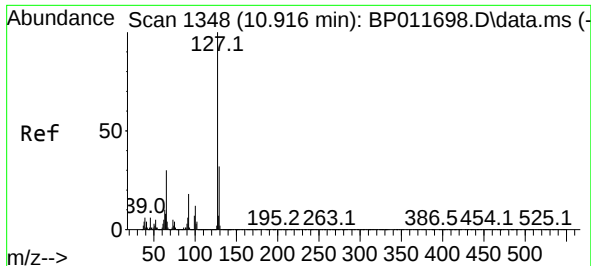
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#32
Benzoic acid
Concen: 0.911 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.077 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

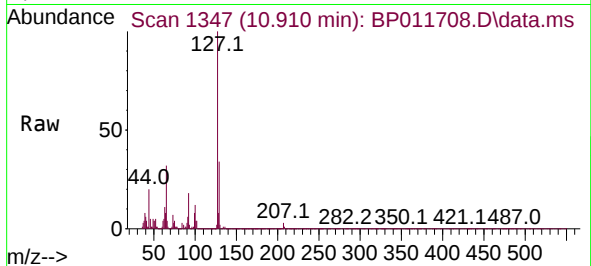
Tgt Ion:122 Resp: 12637
Ion Ratio Lower Upper
122 100
105 107.7 112.6 152.6#
77 98.1 90.2 130.2





#33
4-Chloroaniline
Concen: 3.251 ng
RT: 10.910 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

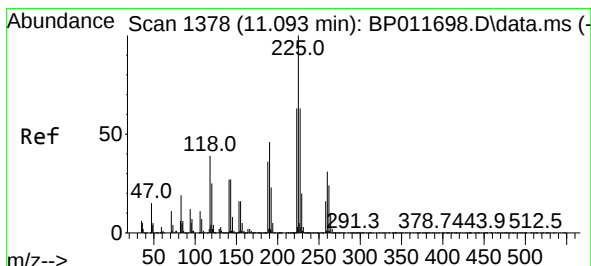
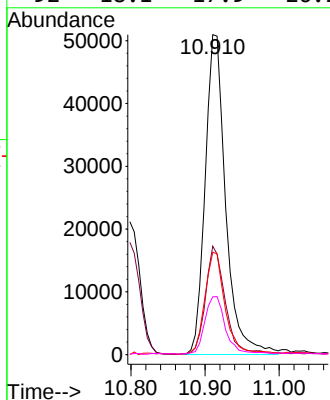
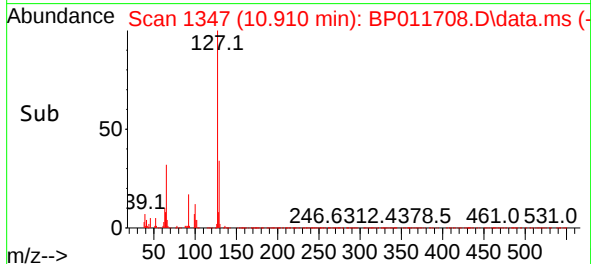
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.9	25.4	38.2
65	32.0	30.4	45.6
92	18.1	17.9	26.9

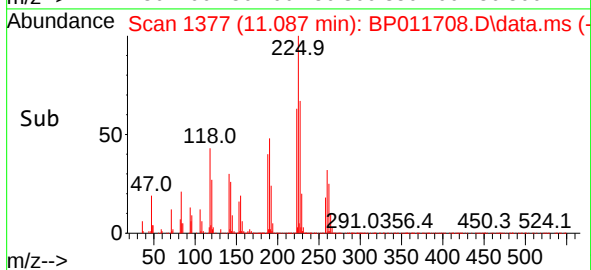
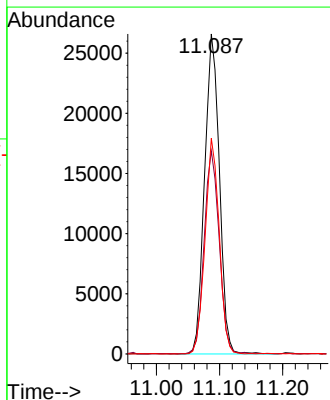
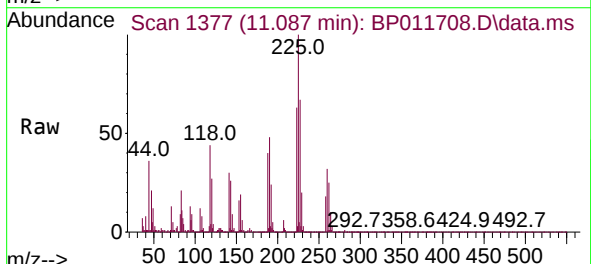
Manual Integrations
APPROVED

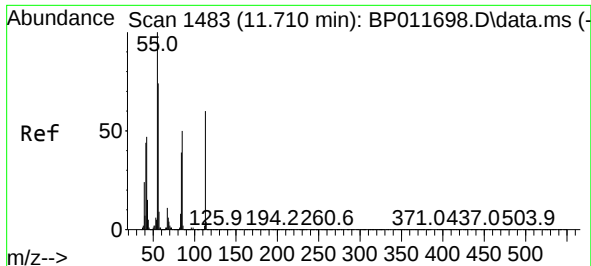
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#34
Hexachlorobutadiene
Concen: 3.450 ng
RT: 11.087 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

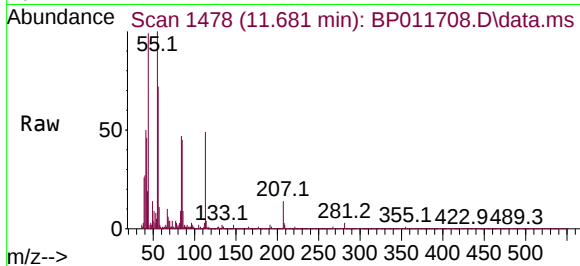
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	52.2	78.4
227	67.4	50.8	76.2





#35
Caprolactam
Concen: 1.962 ng
RT: 11.681 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

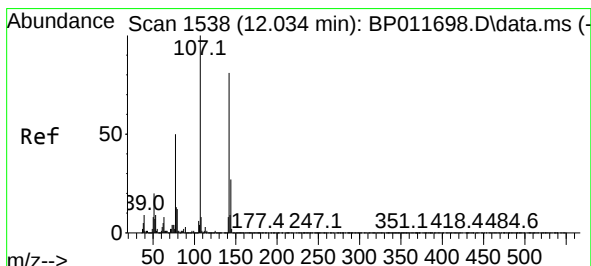
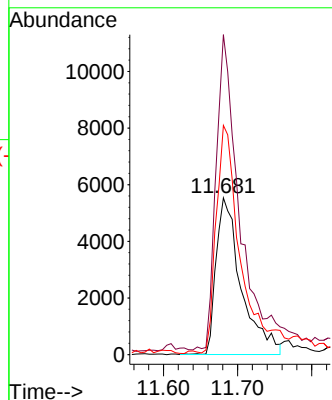
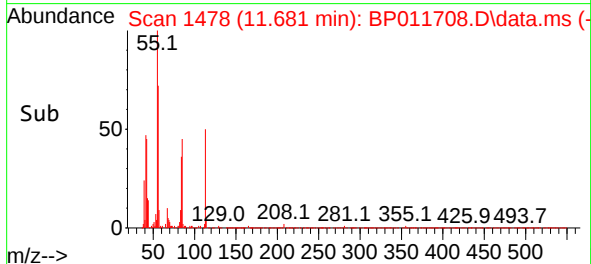
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



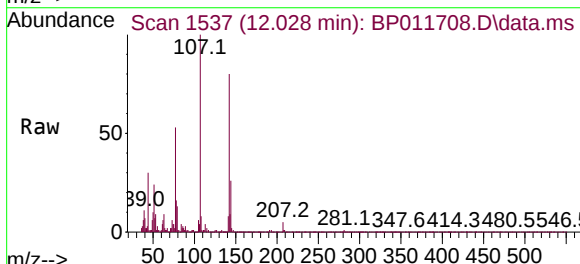
Tgt Ion:113 Resp: 1305
Ion Ratio Lower Upper
113 100
55 204.2 198.6 238.6
56 146.2 142.7 182.7

Manual Integrations
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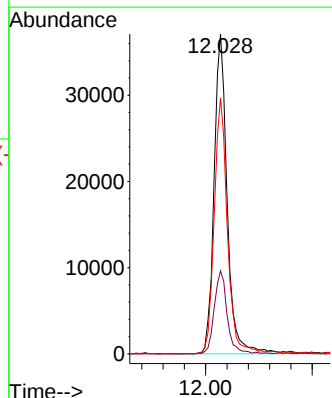
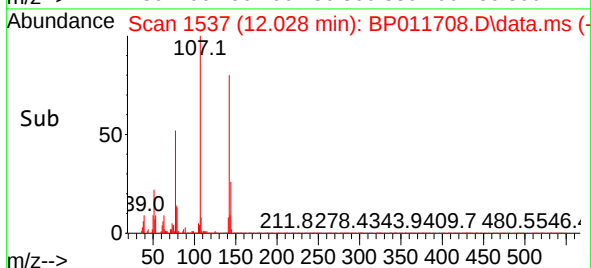
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

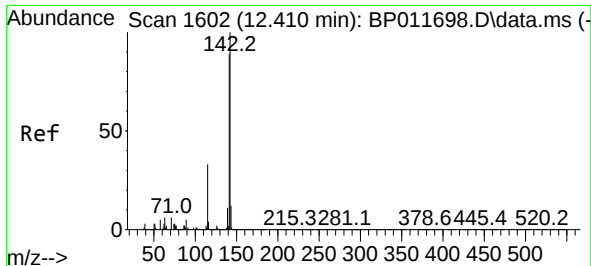


#36
4-Chloro-3-methylphenol
Concen: 2.867 ng
RT: 12.028 min Scan# 1537
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



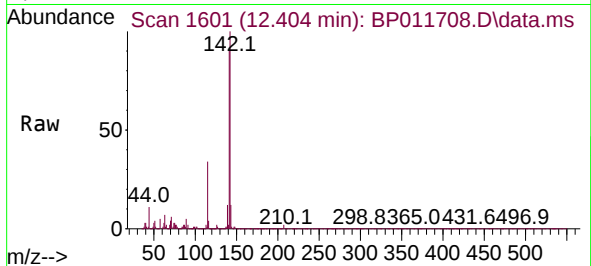
Tgt Ion:107 Resp: 63319
Ion Ratio Lower Upper
107 100
144 25.9 19.8 29.6
142 80.0 59.0 88.4





#37
2-Methylnaphthalene
Concen: 3.421 ng
RT: 12.404 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

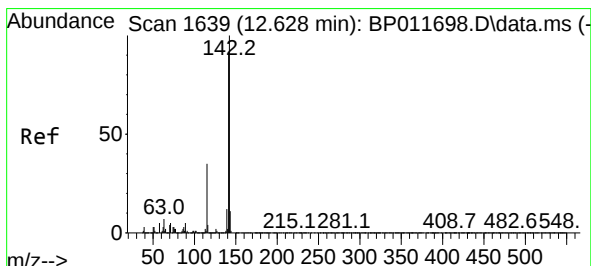
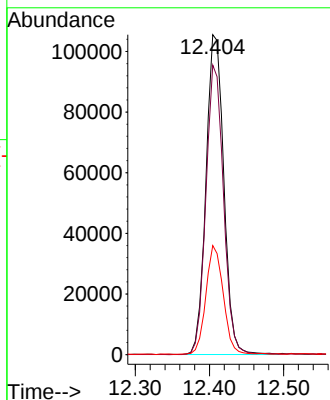
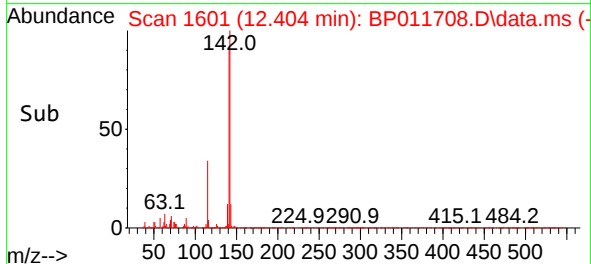
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



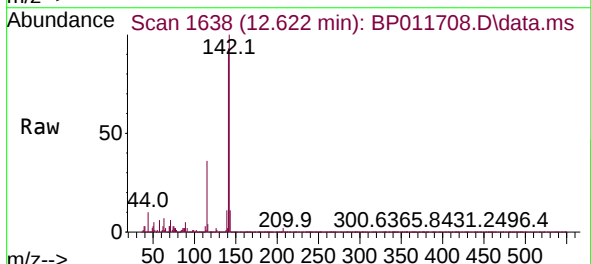
Tgt Ion:142 Resp: 176624
Ion Ratio Lower Upper
142 100
141 90.5 71.3 106.9
115 34.1 31.4 47.2

Manual Integrations
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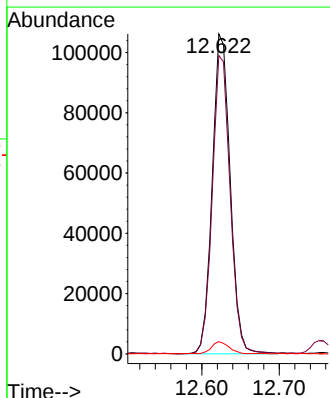
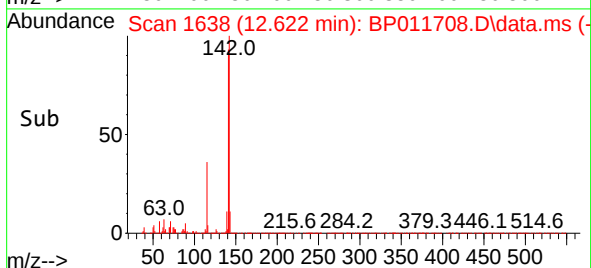
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

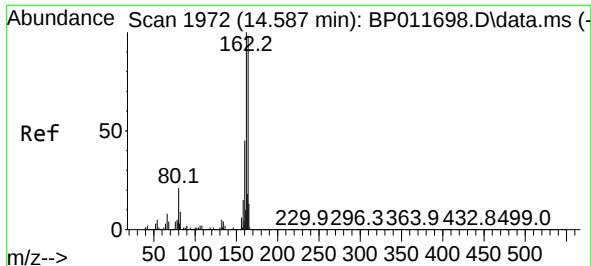


#38
1-Methylnaphthalene
Concen: 3.376 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



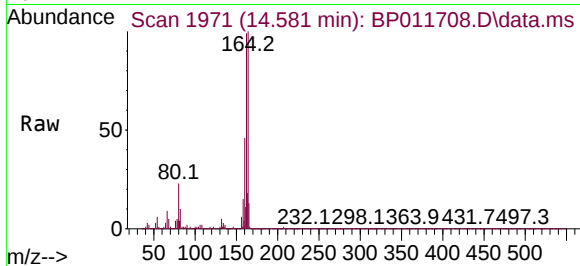
Tgt Ion:142 Resp: 170412
Ion Ratio Lower Upper
142 100
141 93.2 72.6 108.8
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

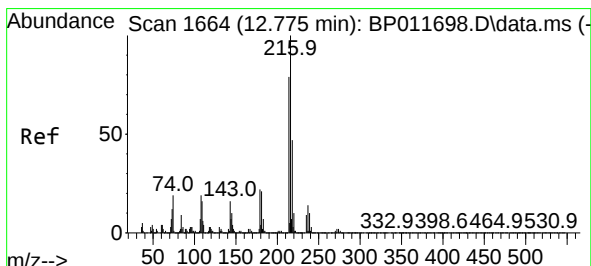
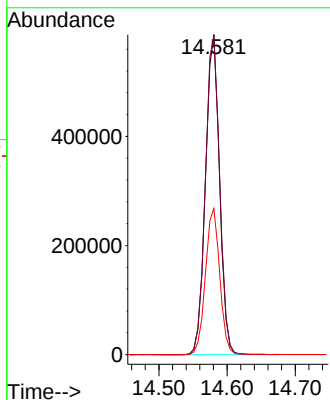
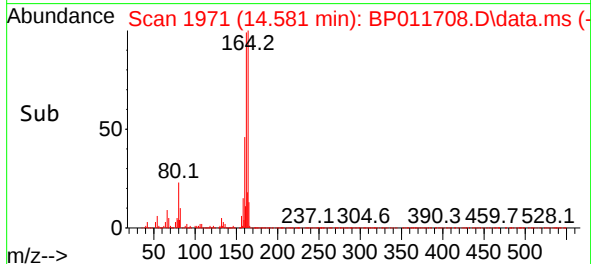
Instrument :
BNA_P
Client Sample Id :
LOD-MDL-SOIL-01-QT3-2022



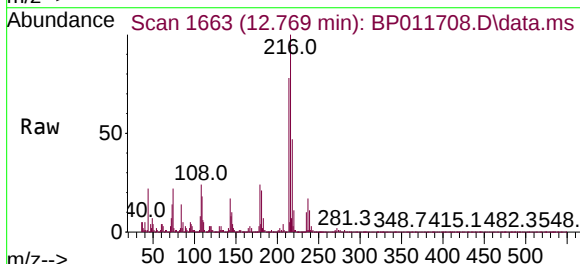
Tgt Ion:164 Resp: 838207
Ion Ratio Lower Upper
164 100
162 99.3 81.9 122.9
160 45.6 34.6 51.8

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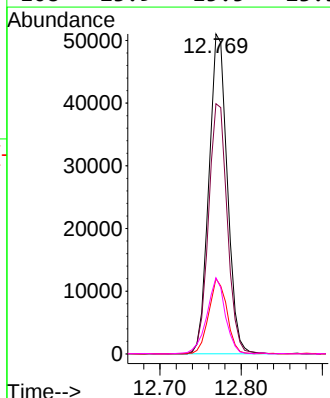
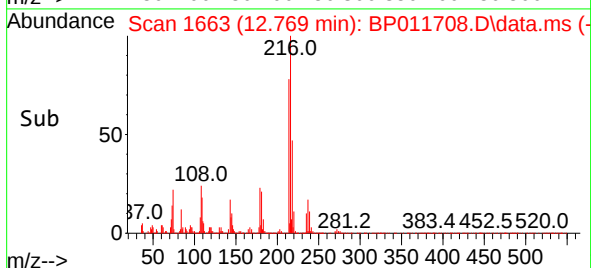
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

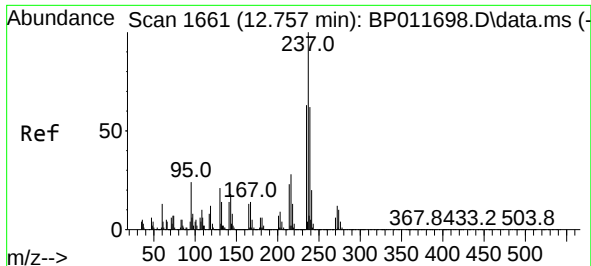


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.630 ng
RT: 12.769 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



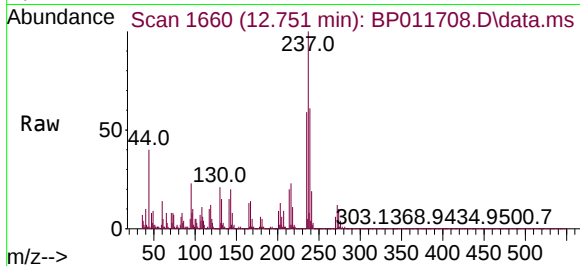
Tgt Ion:216 Resp: 80307
Ion Ratio Lower Upper
216 100
214 80.0 61.9 92.9
179 23.2 17.0 25.6
108 23.9 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 3.830 ng
RT: 12.751 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

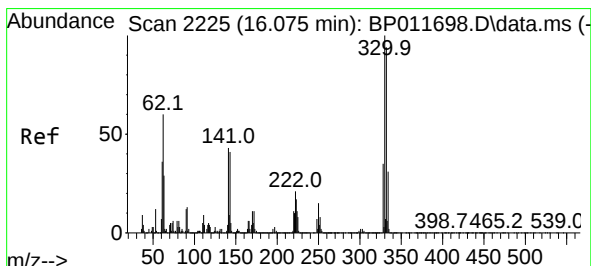
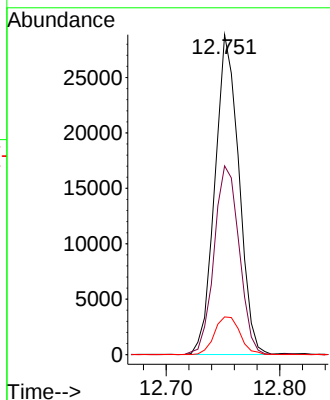
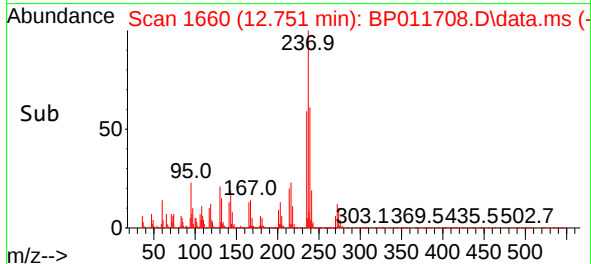
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



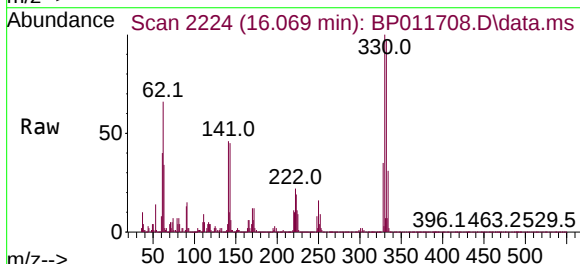
Tgt Ion: 237 Resp: 42295
Ion Ratio Lower Upper
237 100
235 59.0 43.3 83.3
272 11.8 0.0 33.0

Manual Integrations
APPROVED

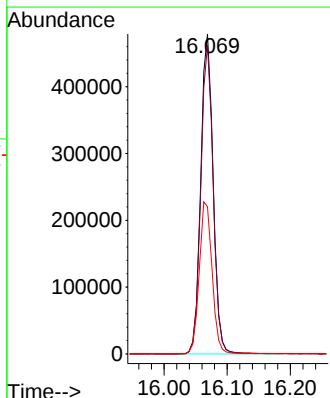
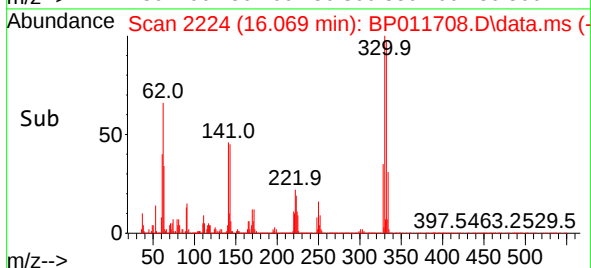
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

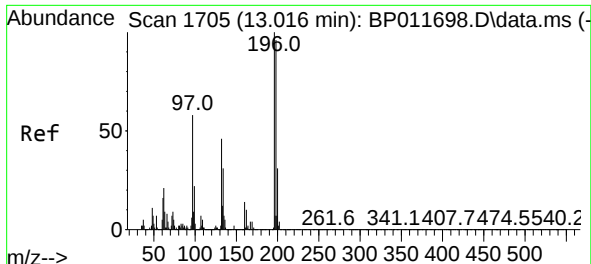


#42
2,4,6-Tribromophenol
Concen: 99.787 ng
RT: 16.069 min Scan# 2224
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion: 330 Resp: 653530
Ion Ratio Lower Upper
330 100
332 96.0 78.1 117.1
141 49.3 31.4 47.2#





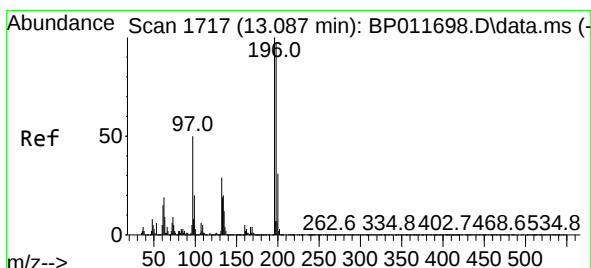
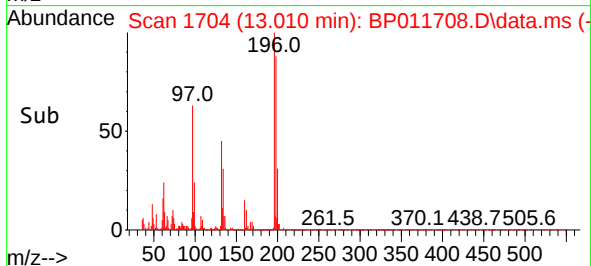
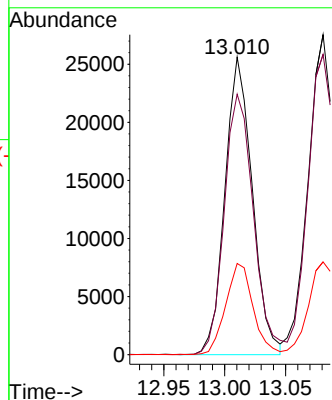
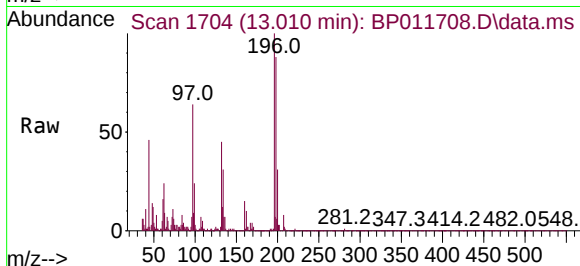
#43
2,4,6-Trichlorophenol
Concen: 2.666 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:196 Resp: 40125
Ion Ratio Lower Upper
196 100
198 87.5 77.7 116.5
200 30.6 25.5 38.3

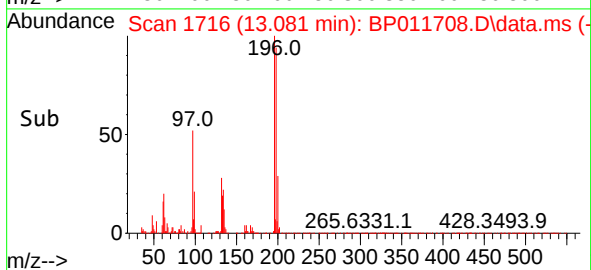
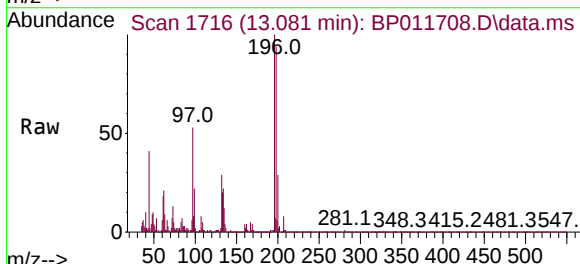
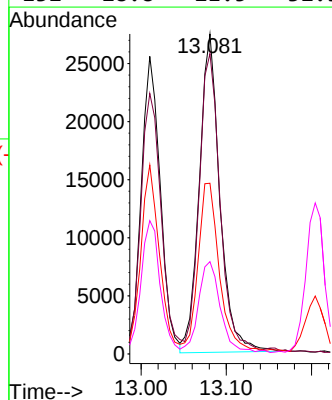
Manual Integrations
APPROVED

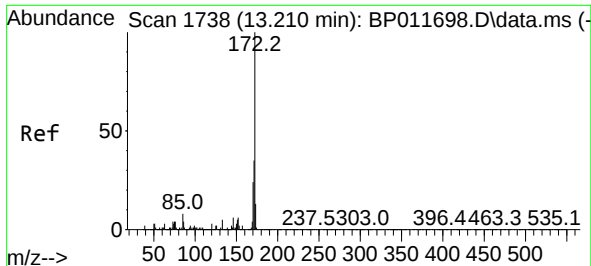
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#44
2,4,5-Trichlorophenol
Concen: 2.740 ng
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

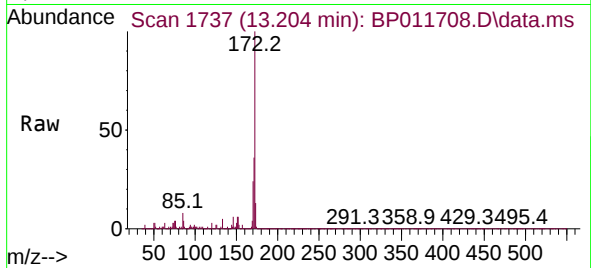
Tgt Ion:196 Resp: 46094
Ion Ratio Lower Upper
196 100
198 93.8 75.7 113.5
97 53.3 42.4 63.6
132 28.8 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 77.066 ng
RT: 13.204 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

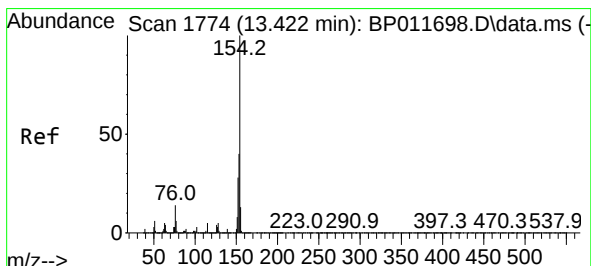
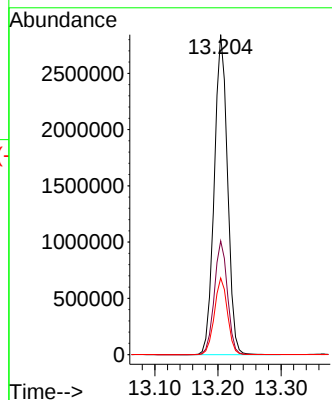
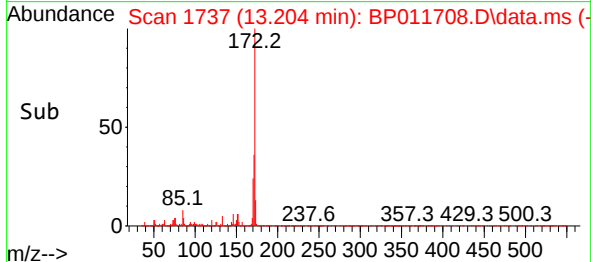
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



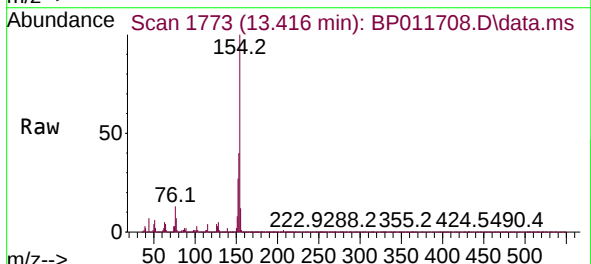
Tgt Ion:172 Resp: 415568
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 23.9 18.2 27.2

Manual Integrations
APPROVED

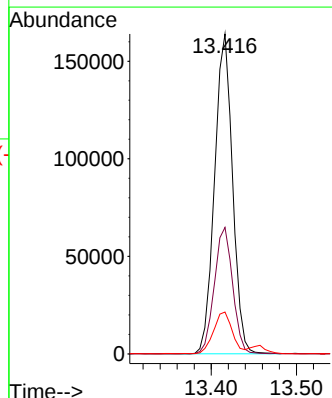
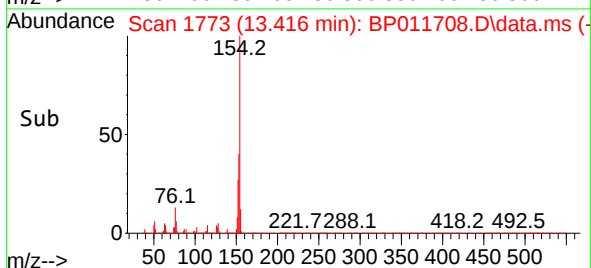
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

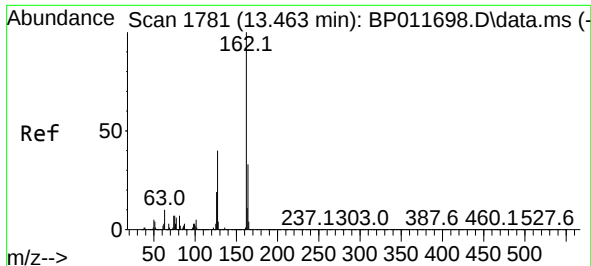


#46
1,1'-Biphenyl
Concen: 3.943 ng
RT: 13.416 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion:154 Resp: 240416
Ion Ratio Lower Upper
154 100
153 39.5 20.1 60.1
76 13.1 0.0 33.2





#47

2-Chloronaphthalene

Concen: 3.649 ng

RT: 13.457 min Scan# 1781

Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 175086

Ion Ratio Lower Upper

162 100

127 40.6 32.4 48.6

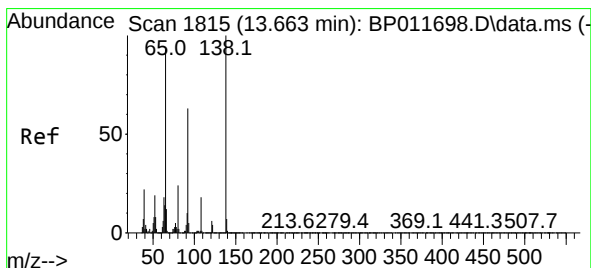
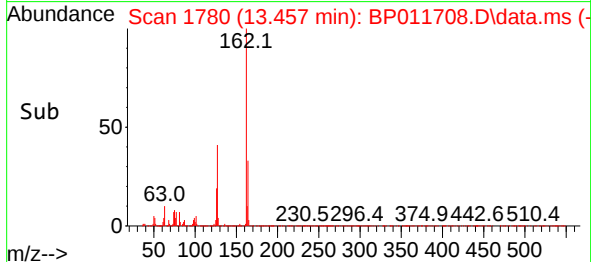
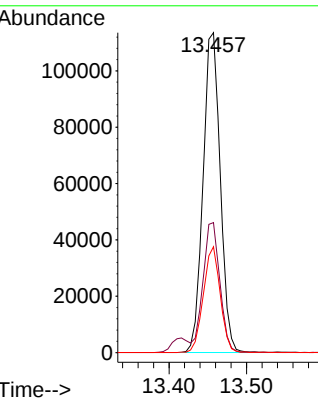
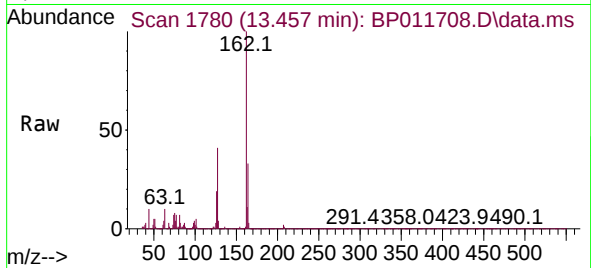
164 33.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#48

2-Nitroaniline

Concen: 2.535 ng

RT: 13.657 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

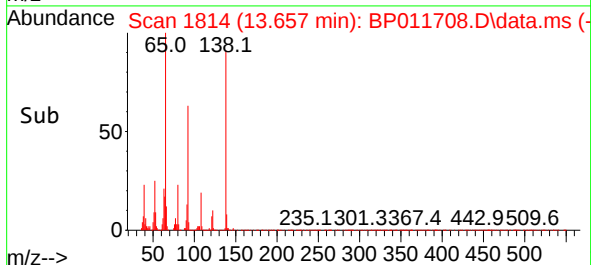
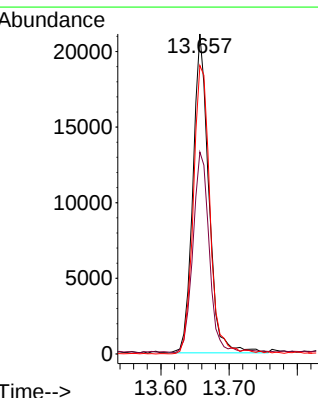
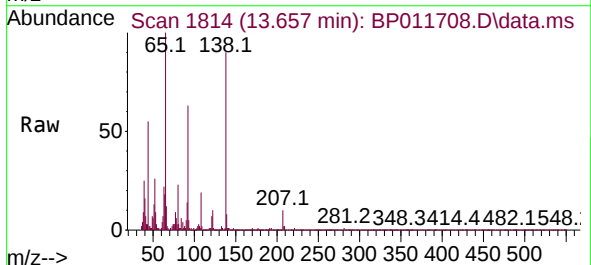
Tgt Ion: 65 Resp: 34106

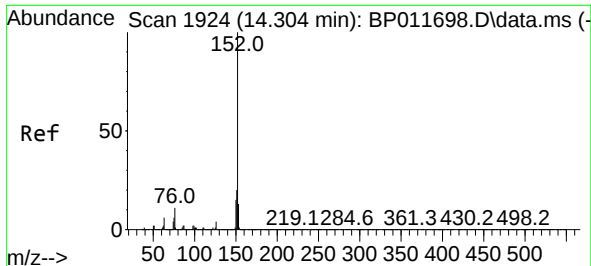
Ion Ratio Lower Upper

65 100

92 63.1 50.0 75.0

138 90.1 71.2 106.8





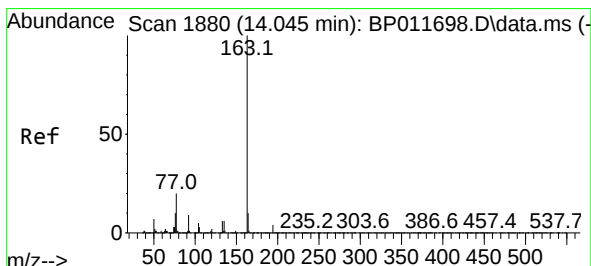
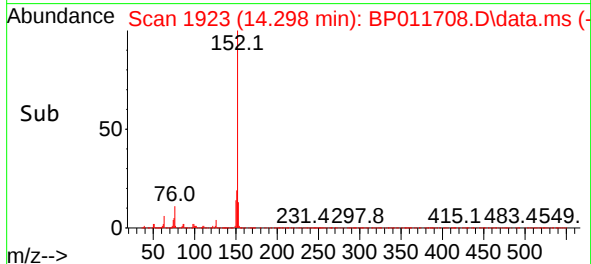
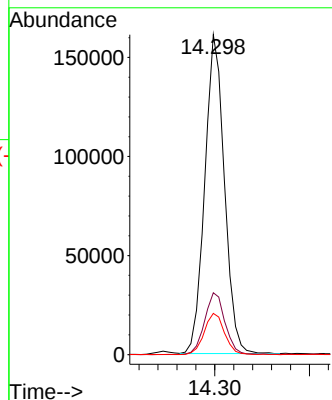
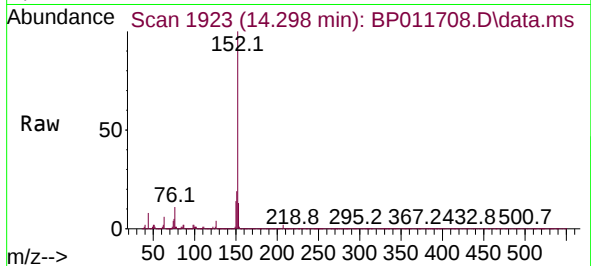
#49
Acenaphthylene
Concen: 3.123 ng
RT: 14.298 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:152 Resp: 231868
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.9 10.4 15.6

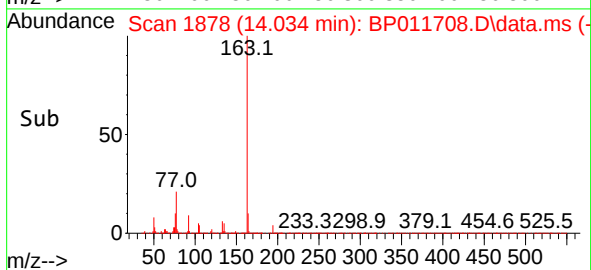
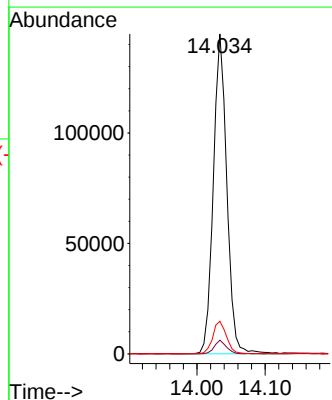
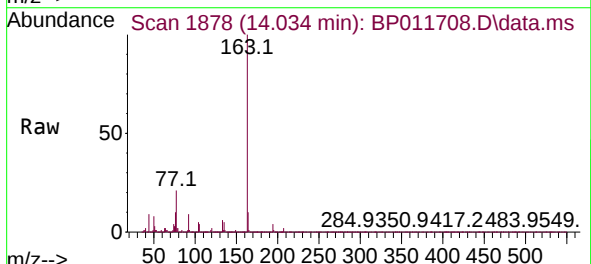
Manual Integrations
APPROVED

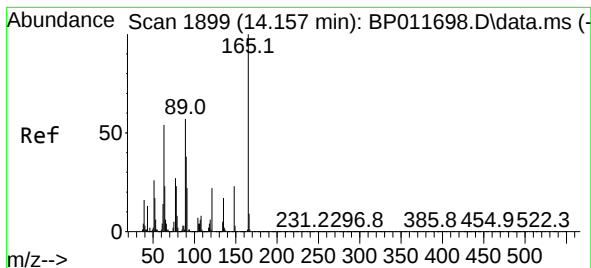
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#50
Dimethylphthalate
Concen: 3.395 ng
RT: 14.034 min Scan# 1878
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:163 Resp: 198504
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.2 8.2 12.4





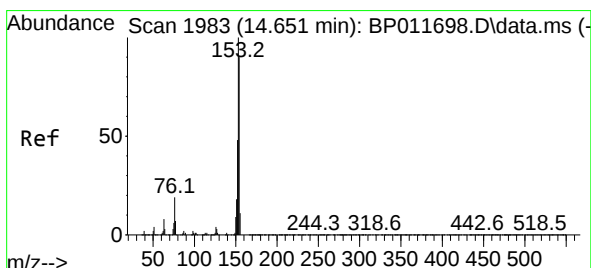
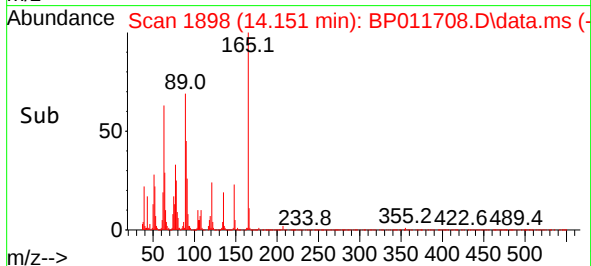
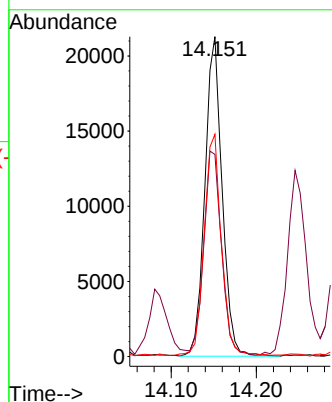
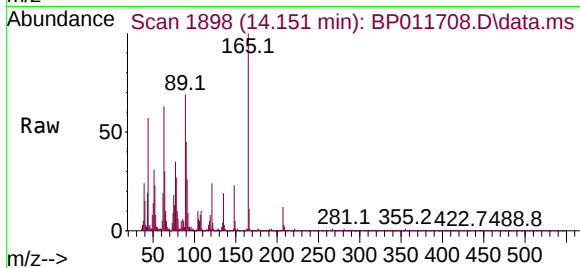
#51
2,6-Dinitrotoluene
Concen: 2.504 ng
RT: 14.151 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion	Ratio	Lower	Upper
165	100		
63	63.2	57.3	85.9
89	69.5	50.2	75.2

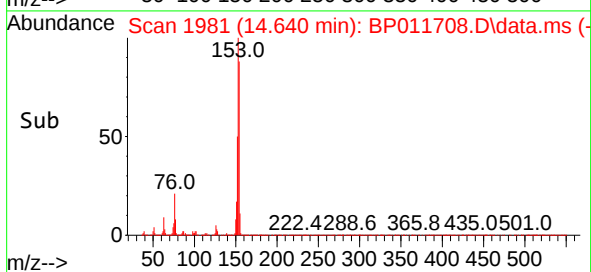
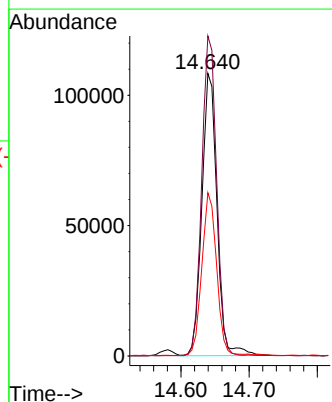
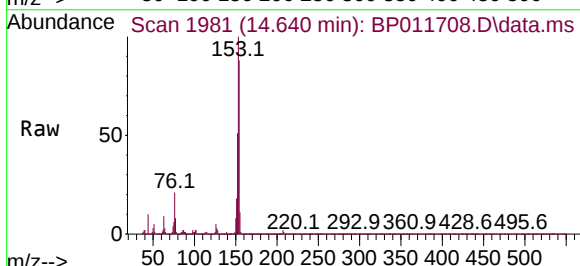
Manual Integrations
APPROVED

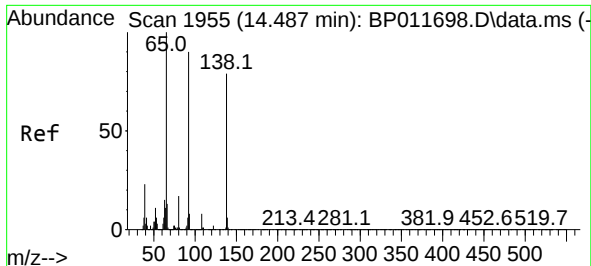
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#52
Acenaphthene
Concen: 3.384 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.4	131.2
152	57.7	41.7	62.5





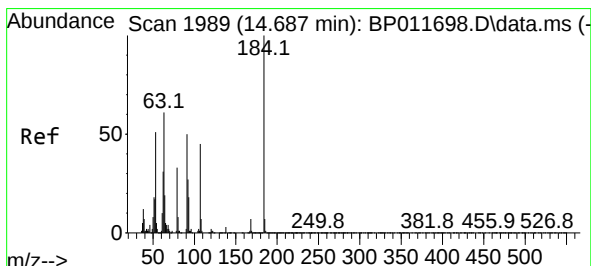
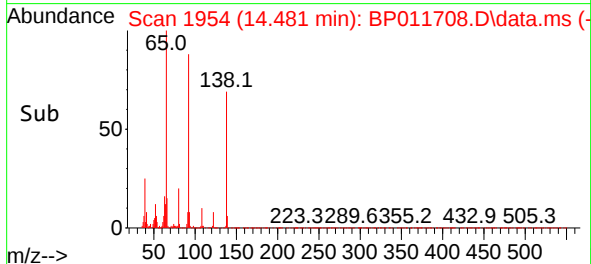
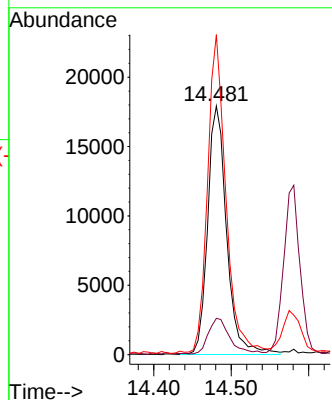
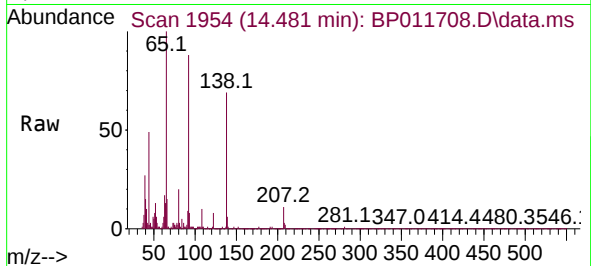
#53
3-Nitroaniline
Concen: 2.231 ng
RT: 14.481 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:138 Resp: 3050
Ion Ratio Lower Upper
138 100
108 14.6 9.5 14.3
92 128.8 99.9 149.9

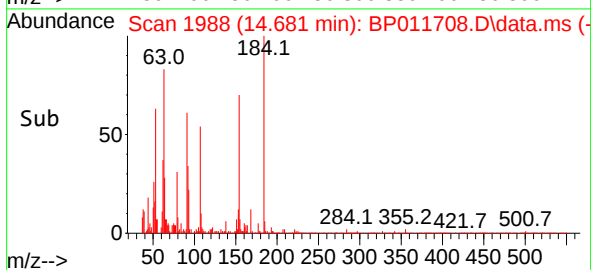
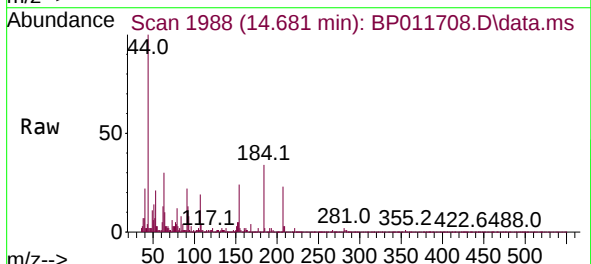
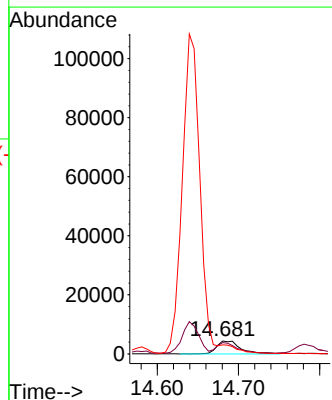
Manual Integrations
APPROVED

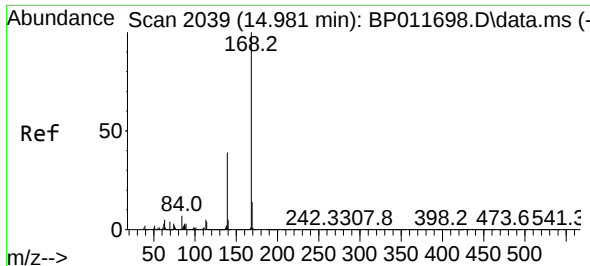
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#54
2,4-Dinitrophenol
Concen: 1.535 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

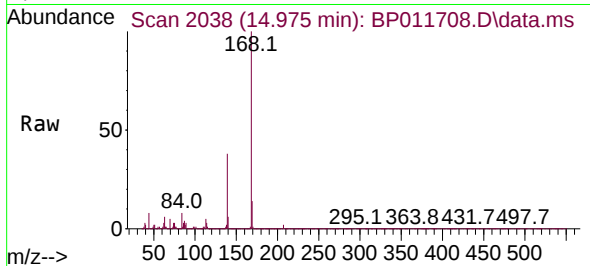
Tgt Ion:184 Resp: 8866
Ion Ratio Lower Upper
184 100
63 88.0 65.4 98.2
154 69.9 55.4 83.2





#55
Dibenzofuran
Concen: 3.651 ng
RT: 14.975 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

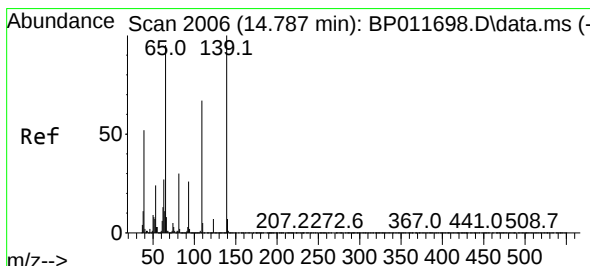
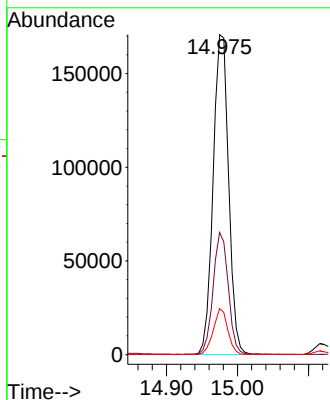
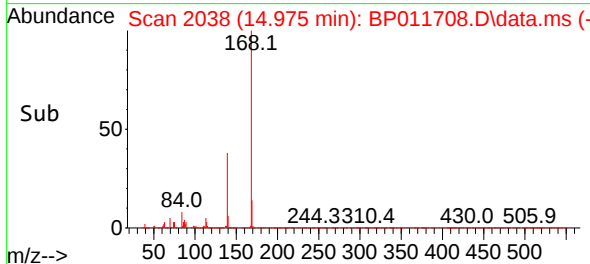
Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT3-2022



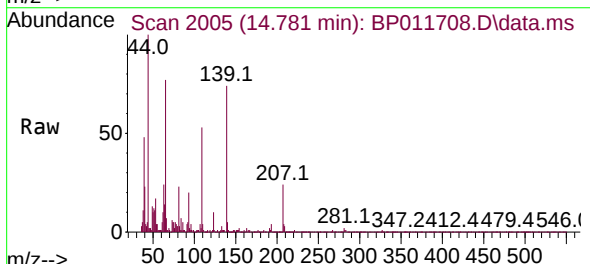
Tgt Ion:168 Resp: 259626
Ion Ratio Lower Upper
168 100
139 38.2 31.5 47.3
169 14.4 10.3 15.5

Manual Integrations
APPROVED

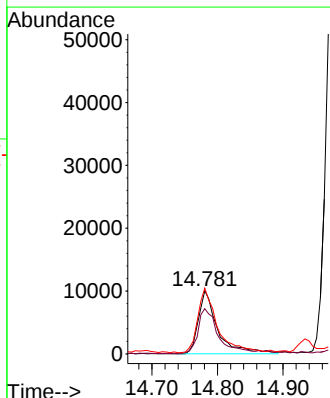
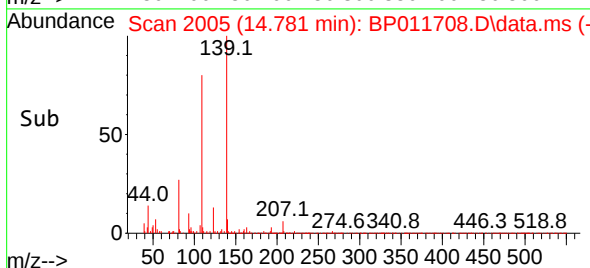
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

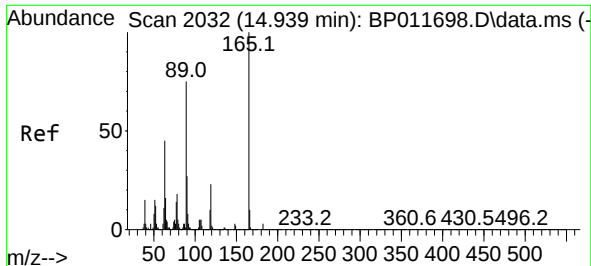


#56
4-Nitrophenol
Concen: 1.796 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion:139 Resp: 20691
Ion Ratio Lower Upper
139 100
109 71.6 70.6 110.6
65 104.1 106.6 146.6#





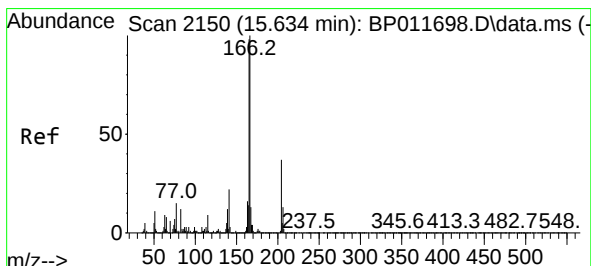
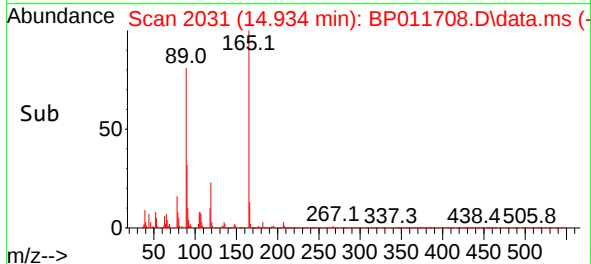
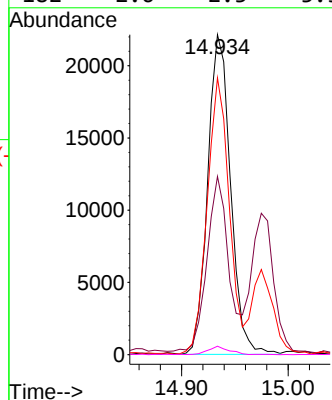
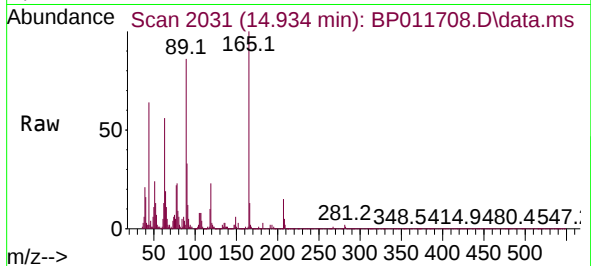
#57
2,4-Dinitrotoluene
Concen: 2.149 ng
RT: 14.934 min Scan# 2032
Delta R.T. -0.005 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:165 Resp: 33014
Ion Ratio Lower Upper
165 100
63 55.7 46.2 69.2
89 86.5 65.8 98.8
182 2.6 2.3 3.5

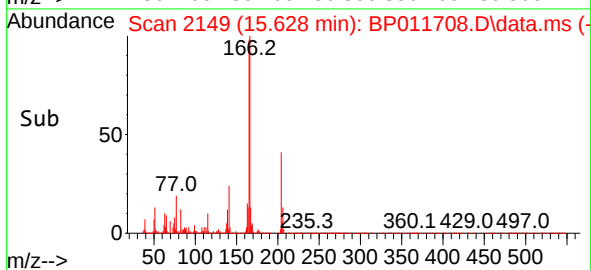
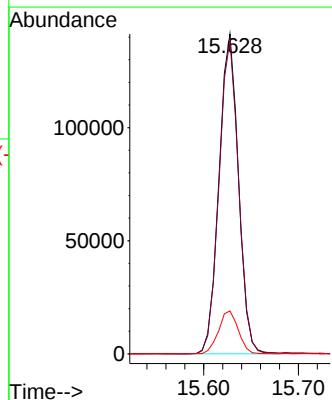
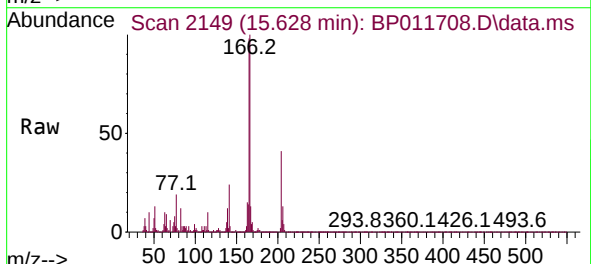
Manual Integrations
APPROVED

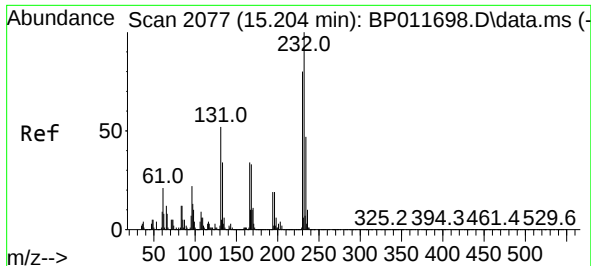
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#58
Fluorene
Concen: 3.491 ng
RT: 15.628 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

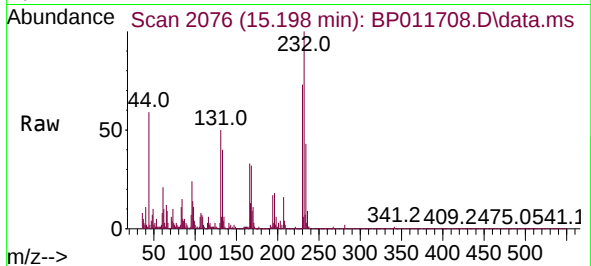
Tgt Ion:166 Resp: 201375
Ion Ratio Lower Upper
166 100
165 98.1 77.0 115.4
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.590 ng
RT: 15.198 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

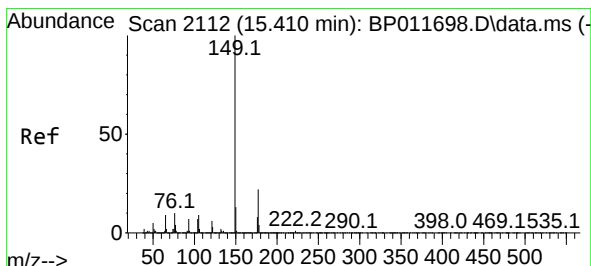
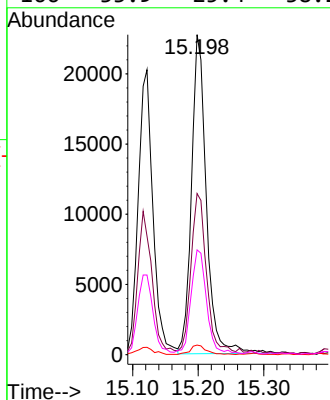
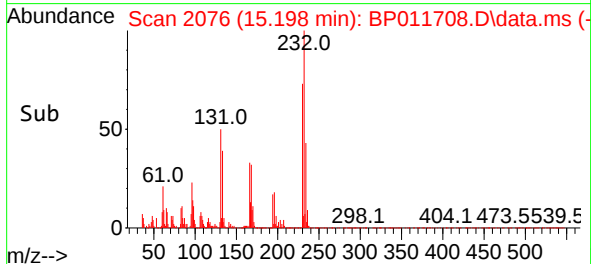
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



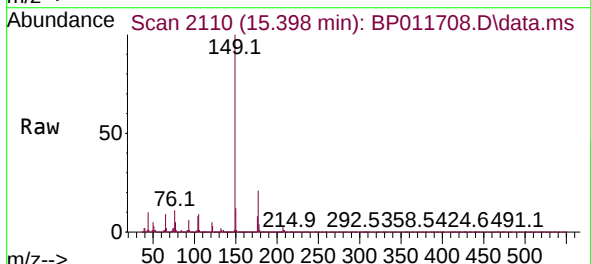
Tgt Ion:232 Resp: 35801
Ion Ratio Lower Upper
232 100
131 50.8 37.0 55.6
130 3.2 2.2 3.2
166 33.9 25.4 38.2

Manual Integrations
APPROVED

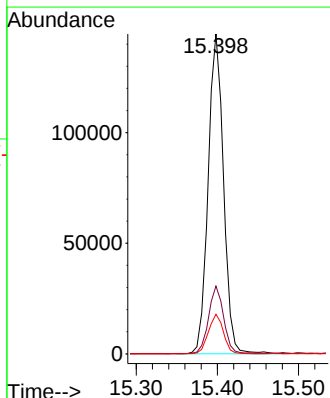
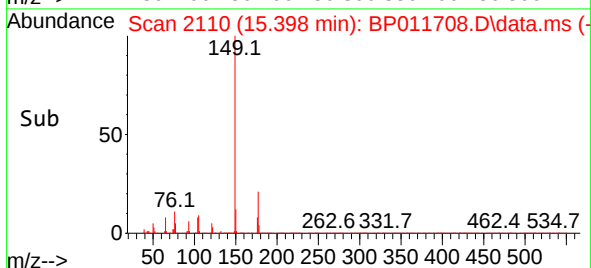
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

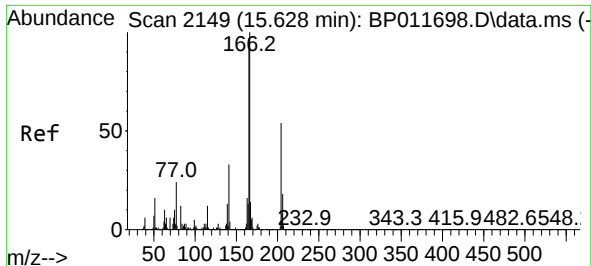


#60
Diethylphthalate
Concen: 3.281 ng
RT: 15.398 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion:149 Resp: 191039
Ion Ratio Lower Upper
149 100
177 21.2 17.8 26.8
150 12.4 9.9 14.9





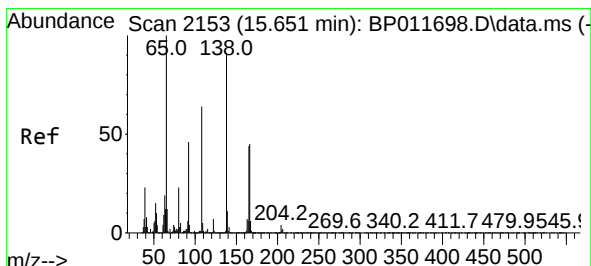
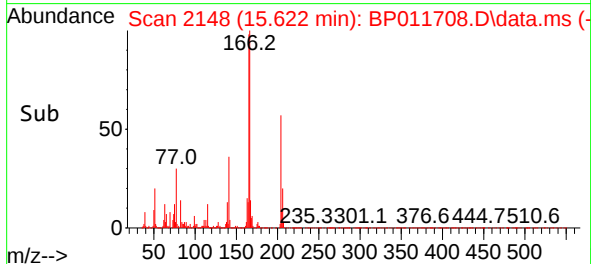
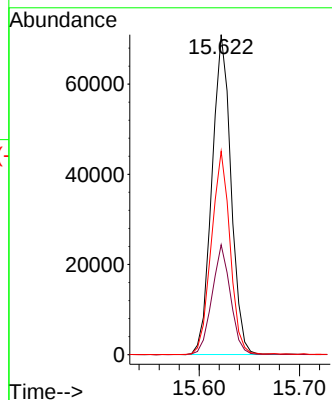
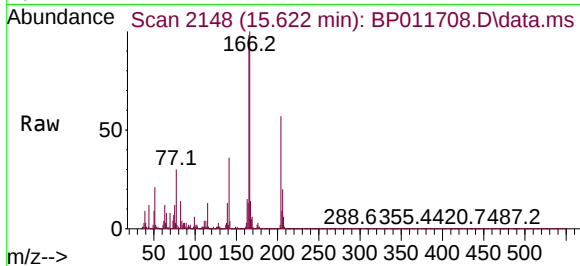
#61
4-Chlorophenyl-phenylether
Concen: 3.523 ng
RT: 15.622 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 204 Resp: 93935
Ion Ratio Lower Upper
204 100
206 34.3 26.3 39.5
141 63.5 51.1 76.7

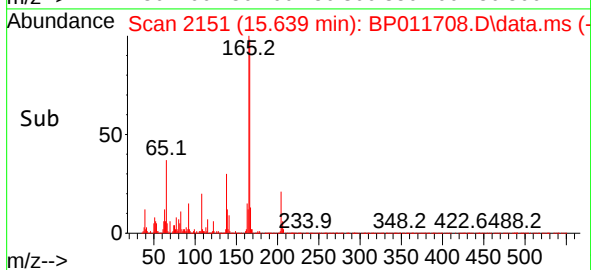
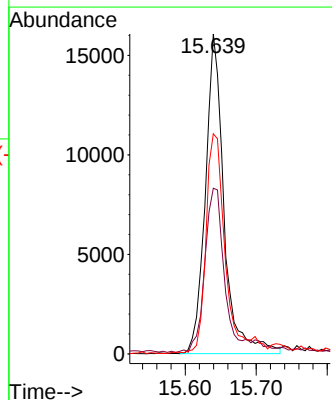
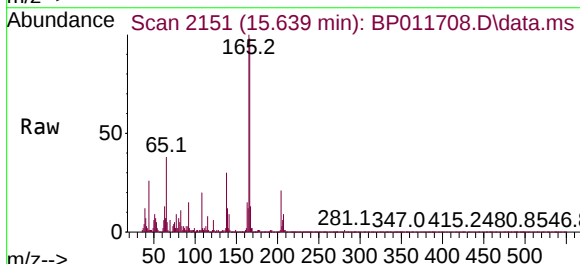
Manual Integrations
APPROVED

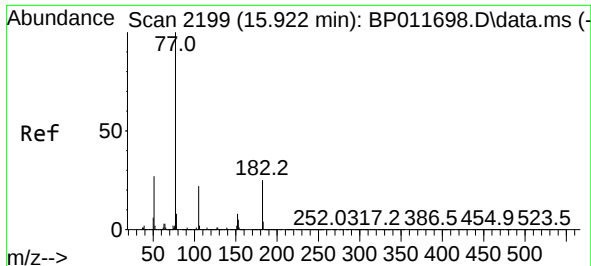
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#62
4-Nitroaniline
Concen: 2.129 ng
RT: 15.639 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

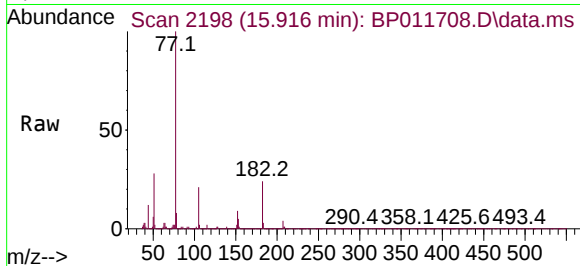
Tgt Ion: 138 Resp: 29262
Ion Ratio Lower Upper
138 100
92 51.8 38.0 78.0
108 68.8 77.6 117.6#





#63
Azobenzene
Concen: 2.937 ng
RT: 15.916 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

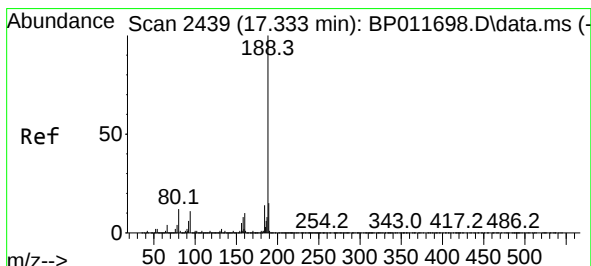
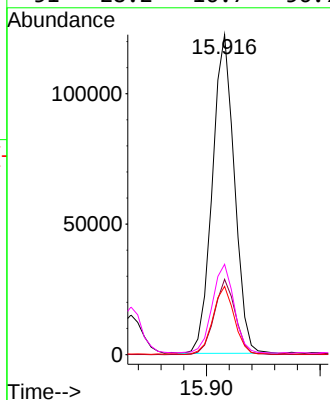
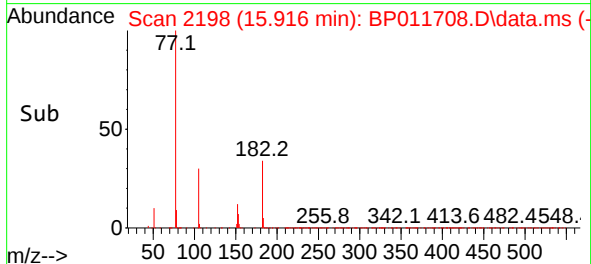
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 77 Resp: 164290
Ion Ratio Lower Upper
77 100
182 23.5 3.0 43.0
105 21.3 0.0 38.6
51 28.2 16.7 56.7

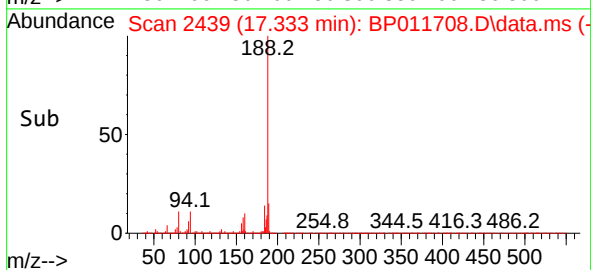
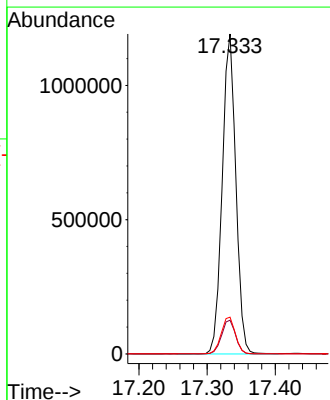
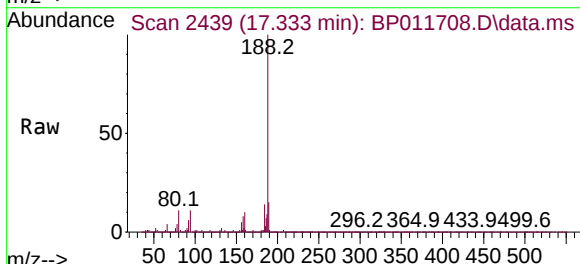
Manual Integrations
APPROVED

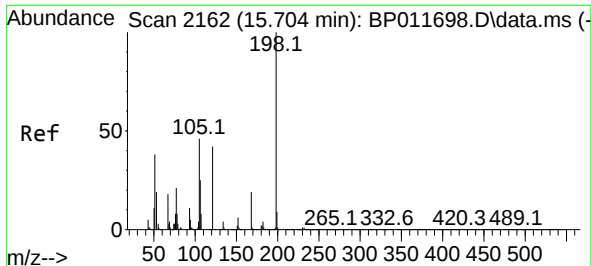
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:188 Resp: 1640476
Ion Ratio Lower Upper
188 100
94 10.5 6.6 10.0#
80 11.5 8.0 12.0





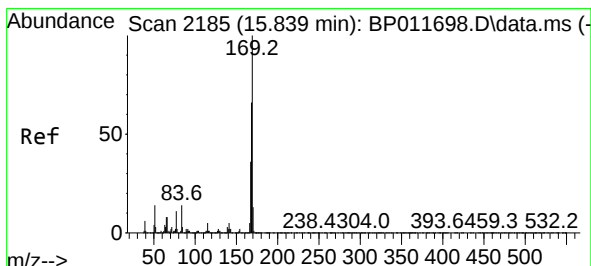
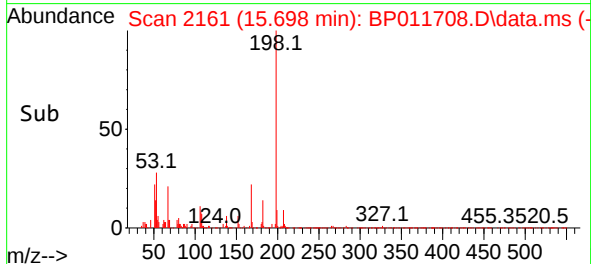
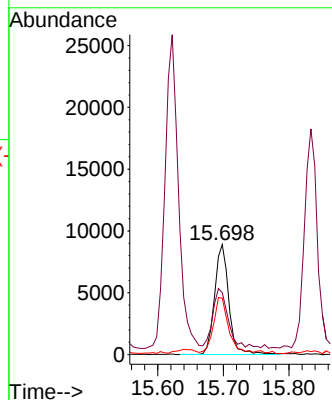
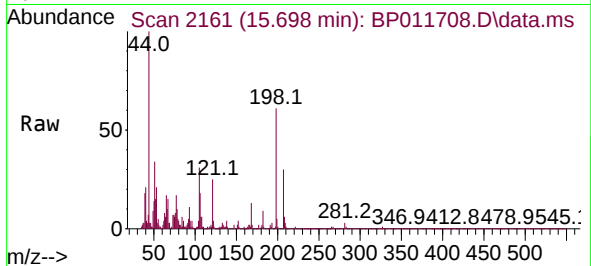
#65
4,6-Dinitro-2-methylphenol
Concen: 1.668 ng
RT: 15.698 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:198 Resp: 13384
Ion Ratio Lower Upper
198 100
51 56.3 41.2 81.2
105 51.2 25.3 65.3

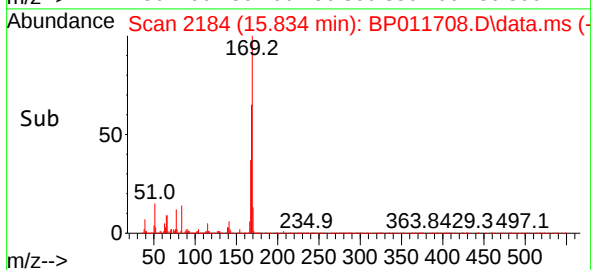
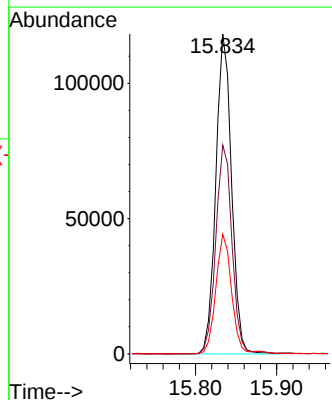
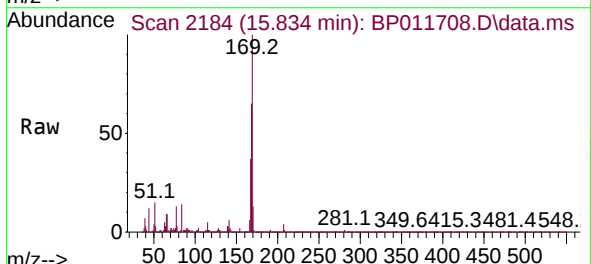
Manual Integrations
APPROVED

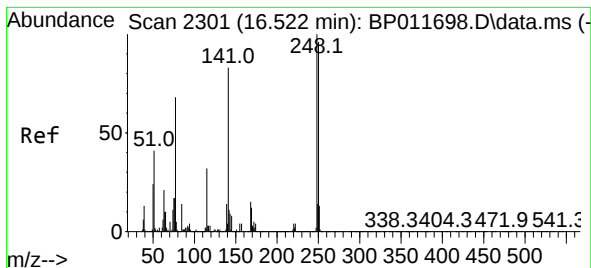
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#66
n-Nitrosodiphenylamine
Concen: 3.251 ng
RT: 15.834 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:169 Resp: 158663
Ion Ratio Lower Upper
169 100
168 65.3 51.8 77.8
167 37.4 28.3 42.5





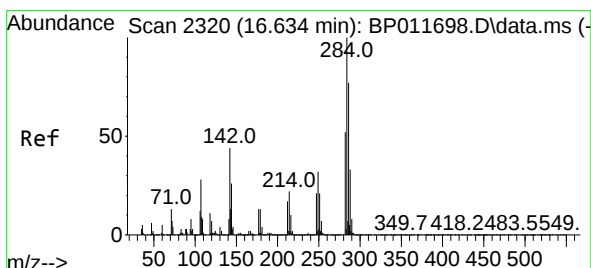
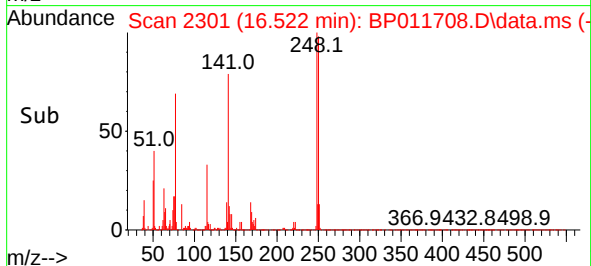
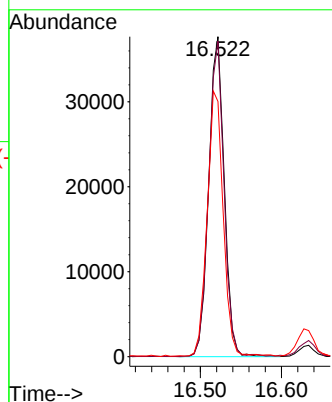
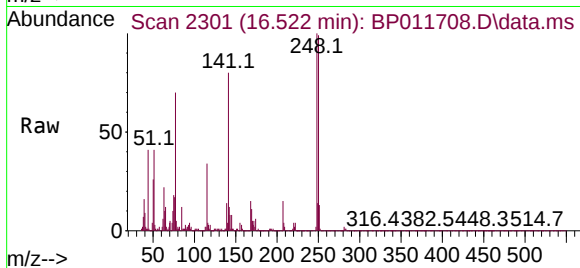
#67
4-Bromophenyl-phenylether
Concen: 3.263 ng
RT: 16.522 min Scan# 2301
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:248 Resp: 50105
Ion Ratio Lower Upper
248 100
250 98.6 77.7 116.5
141 79.7 62.0 93.0

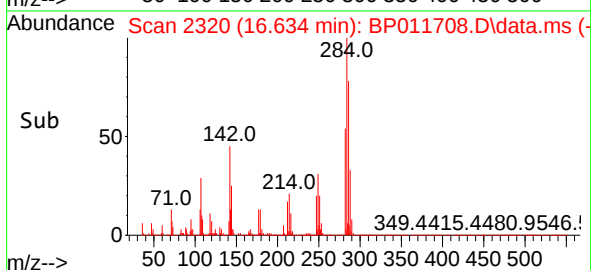
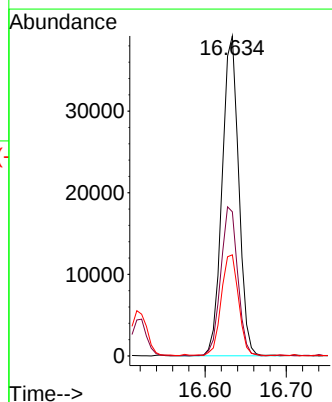
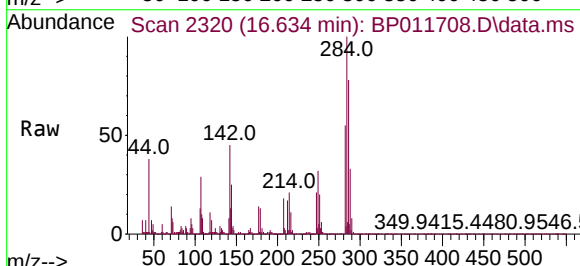
Manual Integrations
APPROVED

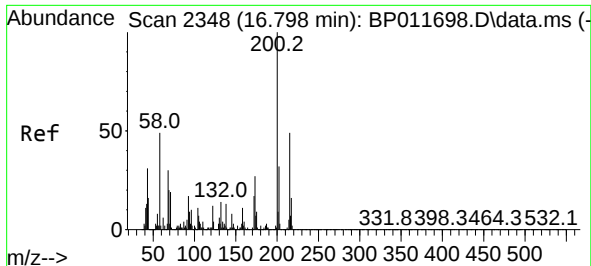
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#68
Hexachlorobenzene
Concen: 3.360 ng
RT: 16.634 min Scan# 2320
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

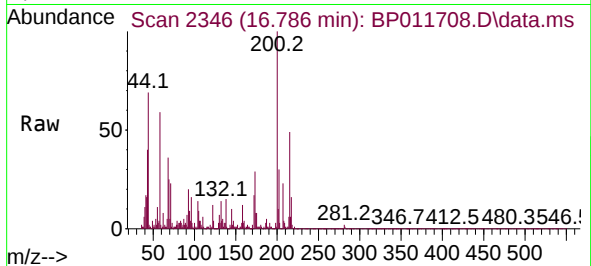
Tgt Ion:284 Resp: 55572
Ion Ratio Lower Upper
284 100
142 45.0 30.8 46.2
249 31.6 26.8 40.2





#69
Atrazine
Concen: 3.079 ng
RT: 16.786 min Scan# 2348
Delta R.T. -0.012 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

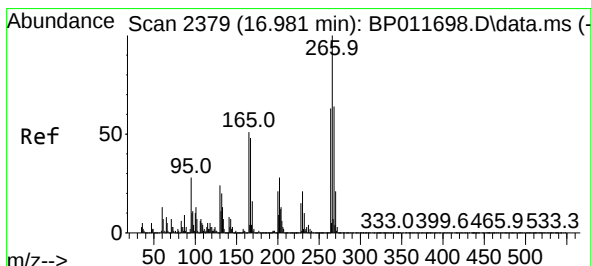
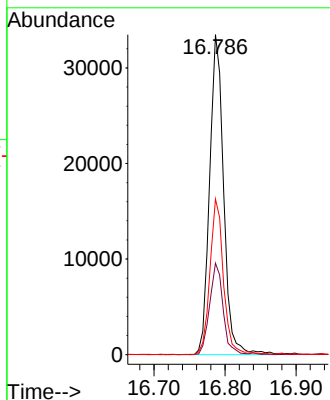
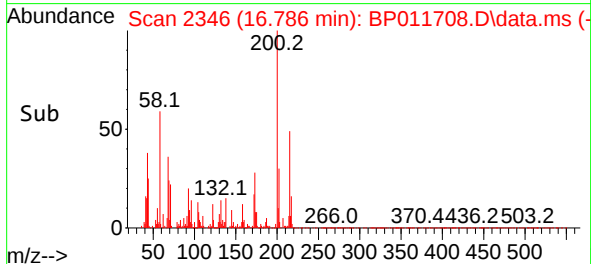
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:200 Resp: 45880
Ion Ratio Lower Upper
200 100
173 28.6 5.3 45.3
215 48.6 29.4 69.4

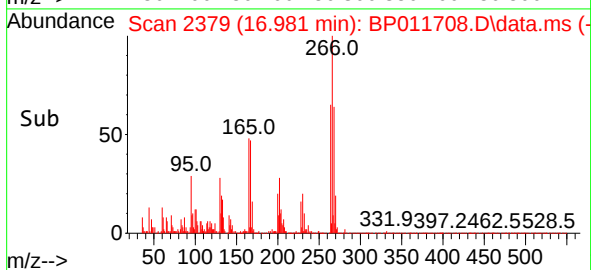
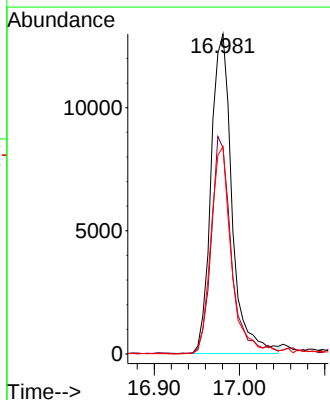
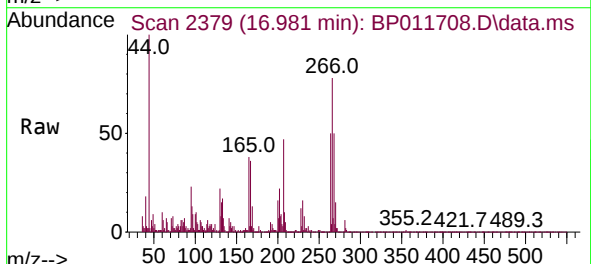
Manual Integrations
APPROVED

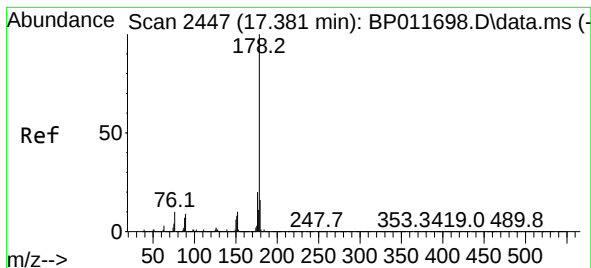
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#70
Pentachlorophenol
Concen: 2.109 ng
RT: 16.981 min Scan# 2379
Delta R.T. -0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:266 Resp: 22133
Ion Ratio Lower Upper
266 100
268 64.4 50.5 75.7
264 64.8 50.4 75.6





#71

Phenanthrene

Concen: 3.552 ng

RT: 17.375 min Scan# 2446

Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

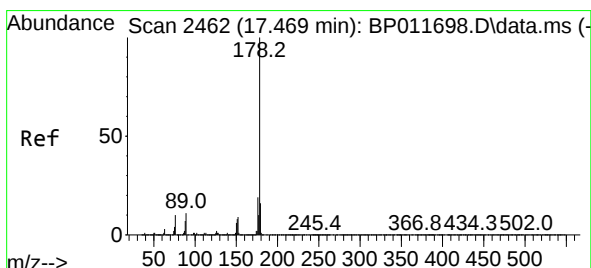
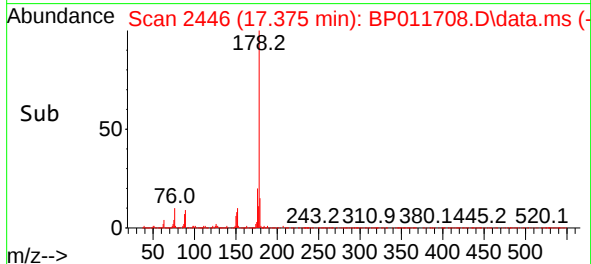
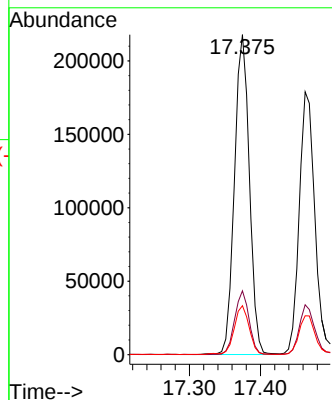
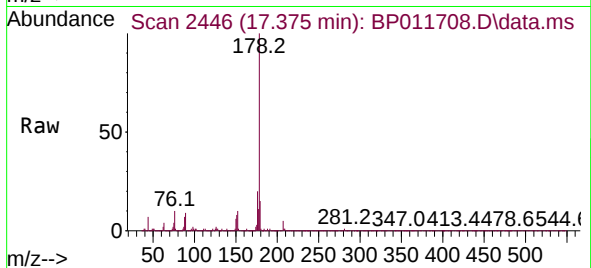
Tgt Ion:178 Resp: 317051
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.7 22.1
 179 15.3 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#72

Anthracene

Concen: 3.328 ng

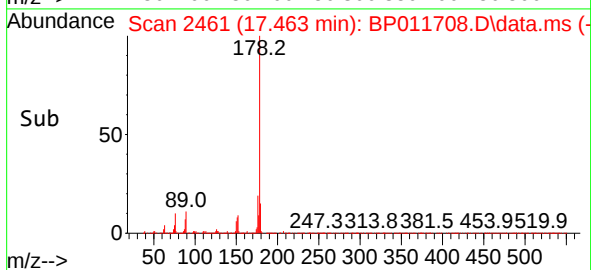
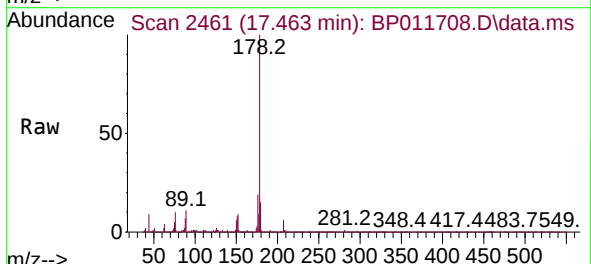
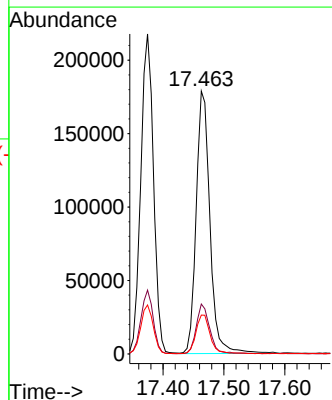
RT: 17.463 min Scan# 2461

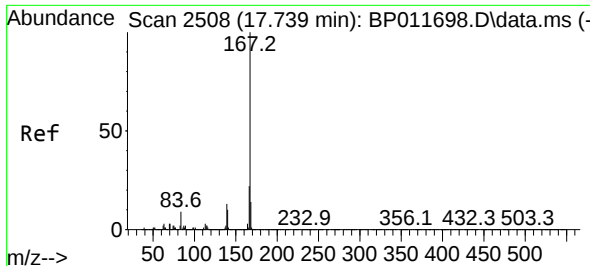
Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

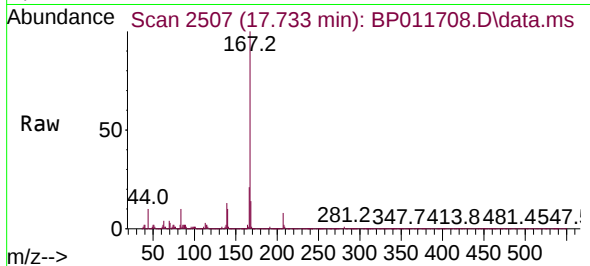
Tgt Ion:178 Resp: 280970
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.5 21.7
 179 14.8 12.2 18.4





#73
 Carbazole
 Concen: 3.203 ng
 RT: 17.733 min Scan# 2508
 Delta R.T. -0.006 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51

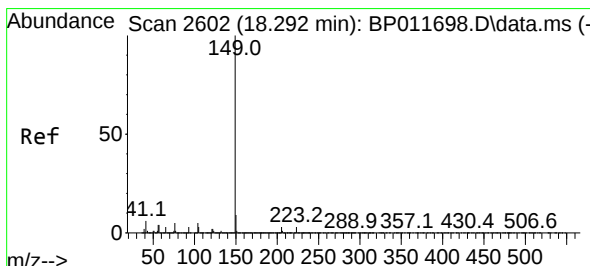
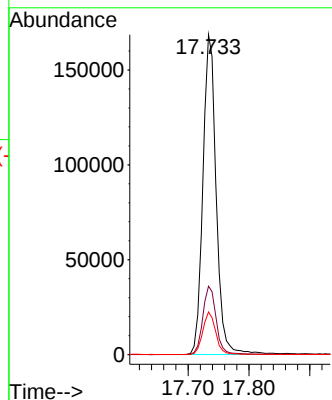
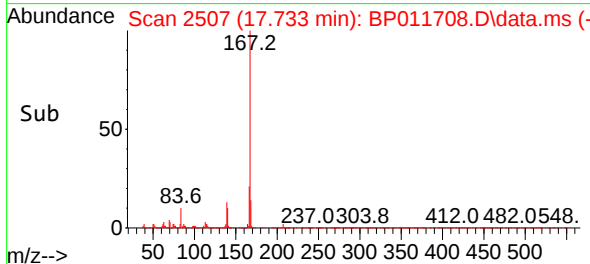
Instrument : BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:167 Resp: 255085
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 13.3 10.6 15.8

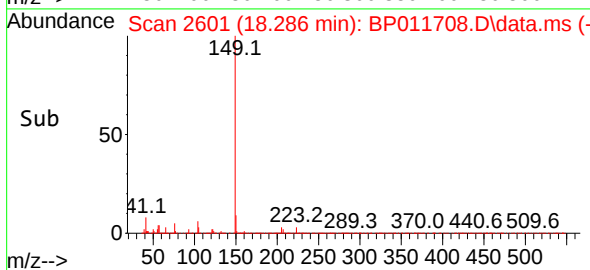
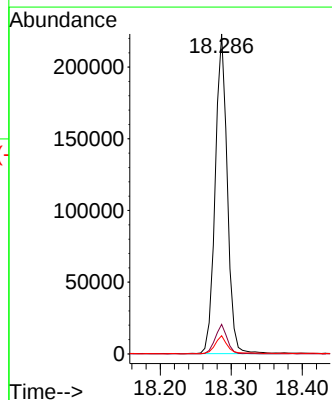
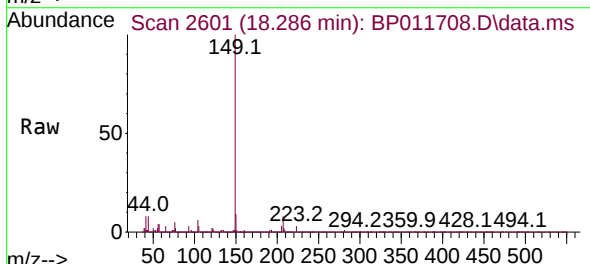
Manual Integrations
 APPROVED

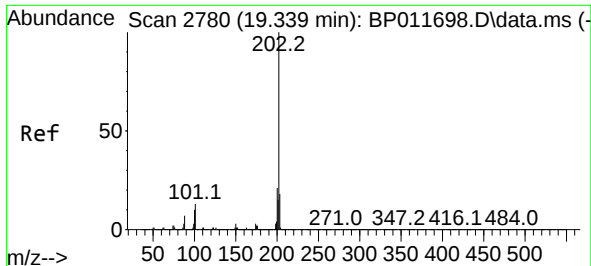
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022



#74
 Di-n-butylphthalate
 Concen: 2.745 ng
 RT: 18.286 min Scan# 2601
 Delta R.T. -0.006 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51

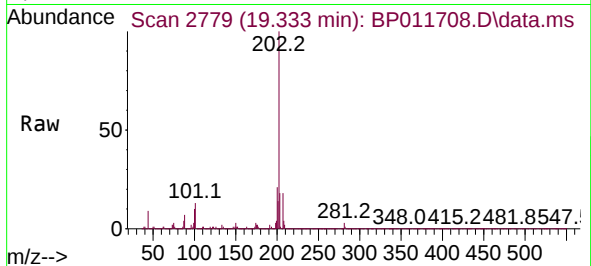
Tgt Ion:149 Resp: 263537
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.7 4.8 7.2





#75
Fluoranthene
Concen: 3.262 ng
RT: 19.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

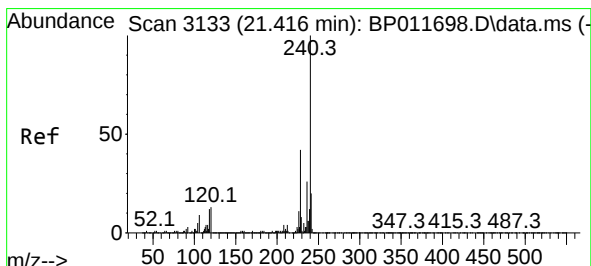
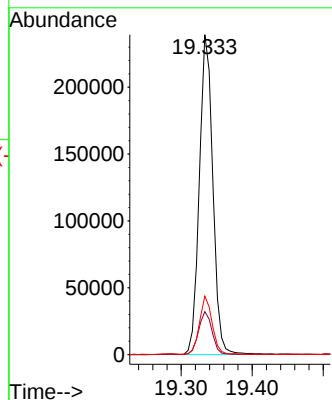
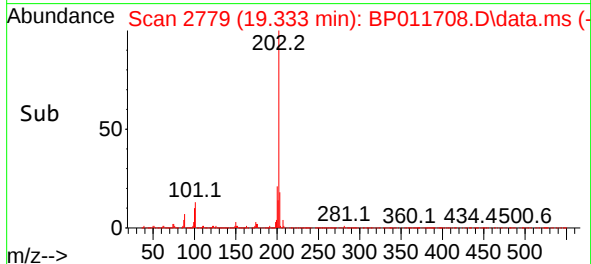
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:202 Resp: 313994
Ion Ratio Lower Upper
202 100
101 13.4 0.0 29.6
203 18.3 0.0 36.9

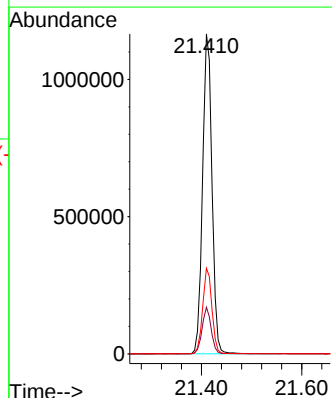
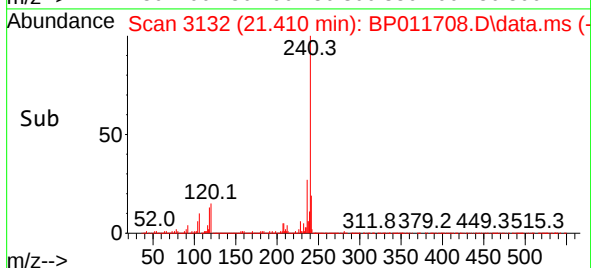
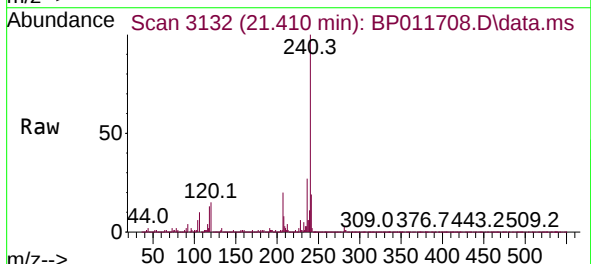
Manual Integrations
APPROVED

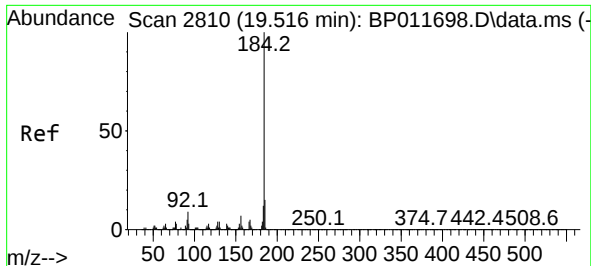
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3132
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

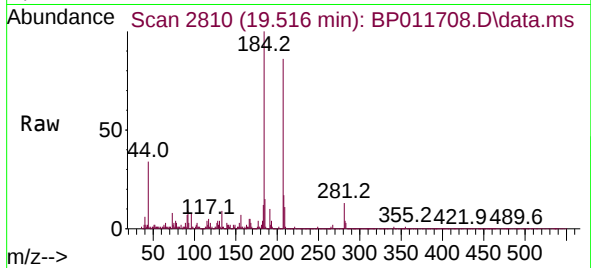
Tgt Ion:240 Resp: 1524706
Ion Ratio Lower Upper
240 100
120 14.6 8.6 12.8#
236 26.8 19.8 29.6





#77
Benzidine
Concen: 2.803 ng
RT: 19.516 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

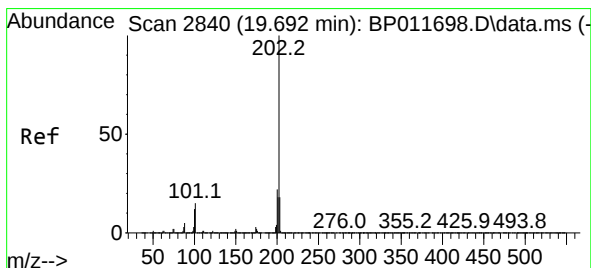
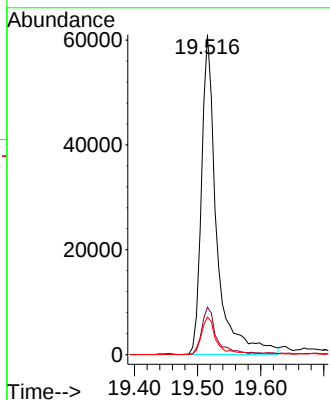
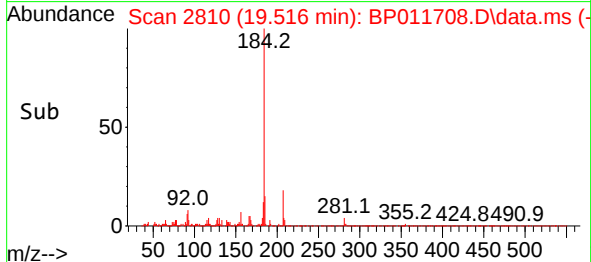
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



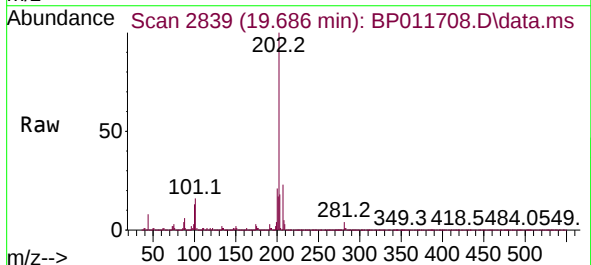
Tgt Ion:184 Resp: 101623
Ion Ratio Lower Upper
184 100
185 14.8 10.7 16.1
183 11.7 9.0 13.6

Manual Integrations
APPROVED

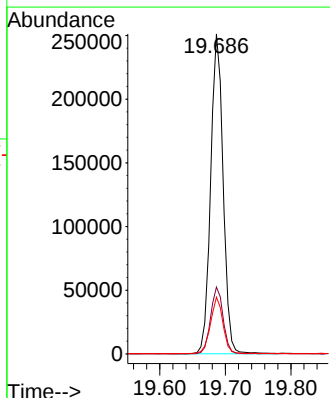
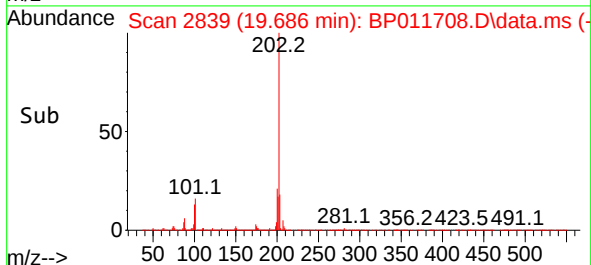
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

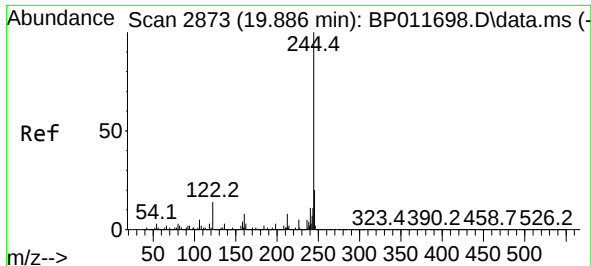


#78
Pyrene
Concen: 3.233 ng
RT: 19.686 min Scan# 2839
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



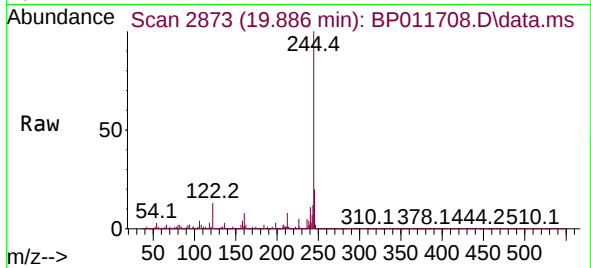
Tgt Ion:202 Resp: 332480
Ion Ratio Lower Upper
202 100
200 20.9 16.3 24.5
203 17.7 14.2 21.4





#79
 Terphenyl-d14
 Concen: 77.583 ng
 RT: 19.886 min Scan# 2873
 Delta R.T. 0.000 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51

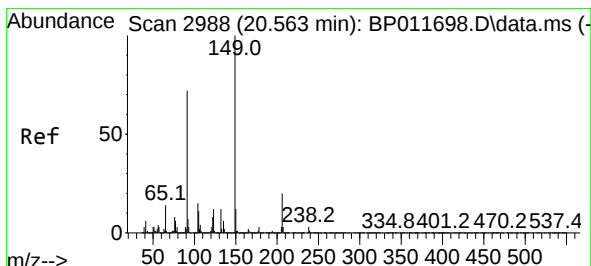
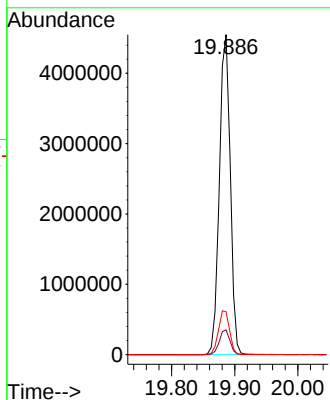
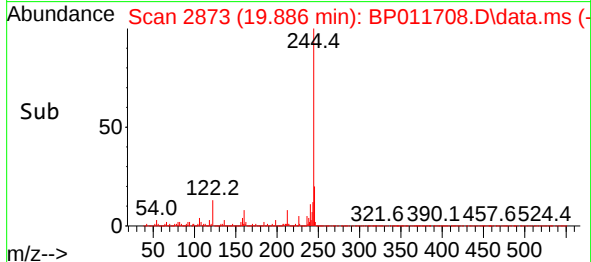
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



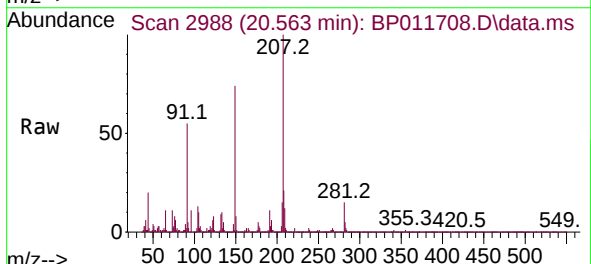
Tgt Ion:244 Resp: 5439724
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 13.4 7.6 11.4

Manual Integrations
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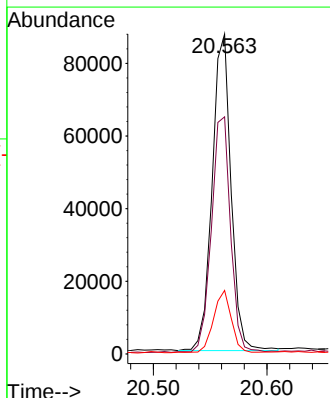
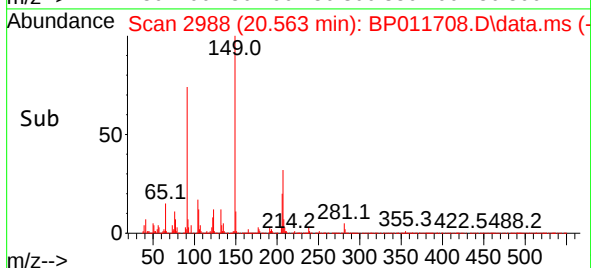
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

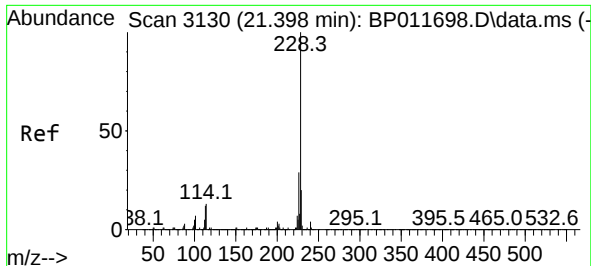


#80
 Butylbenzylphthalate
 Concen: 2.334 ng
 RT: 20.563 min Scan# 2988
 Delta R.T. 0.000 min
 Lab File: BP011708.D
 Acq: 15 Sep 2022 12:51



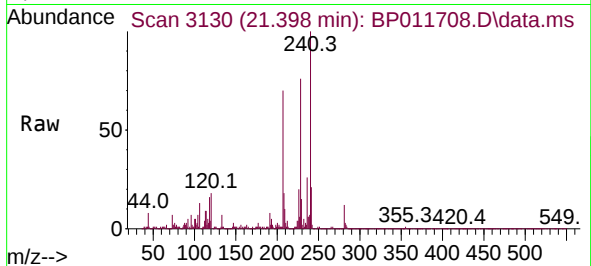
Tgt Ion:149 Resp: 100596
 Ion Ratio Lower Upper
 149 100
 91 74.1 62.5 93.7
 206 19.8 17.0 25.4





#81
Benzo(a)anthracene
Concen: 3.278 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

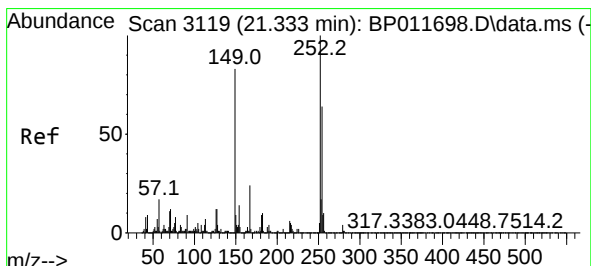
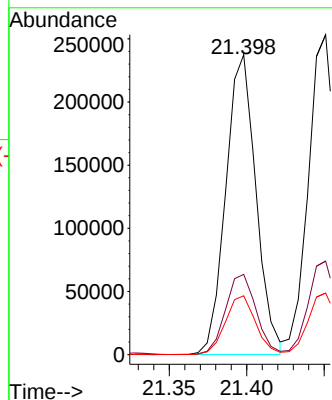
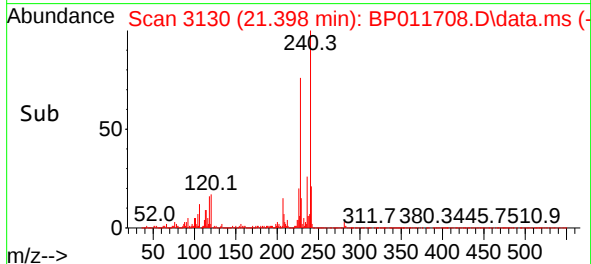
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:228 Resp: 322110
Ion Ratio Lower Upper
228 100
226 26.8 20.8 31.2
229 19.6 15.2 22.8

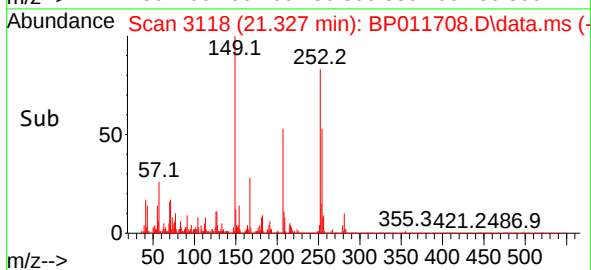
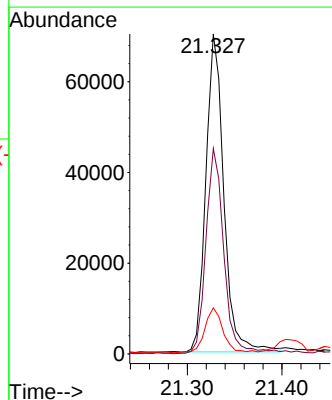
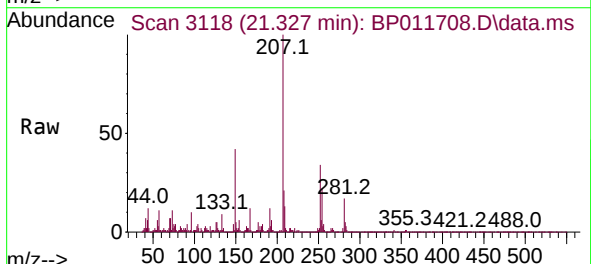
Manual Integrations
APPROVED

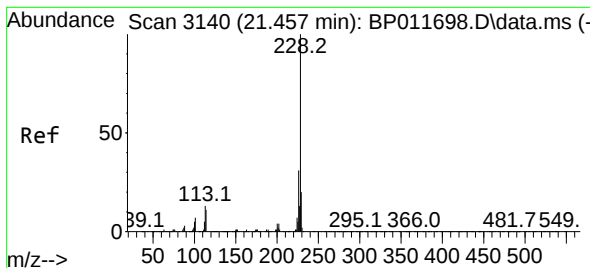
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.097 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:252 Resp: 92451
Ion Ratio Lower Upper
252 100
254 64.2 51.1 76.7
126 14.4 8.4 12.6





#83

Chrysene

Concen: 3.520 ng

RT: 21.451 min Scan# 3140

Delta R.T. -0.006 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

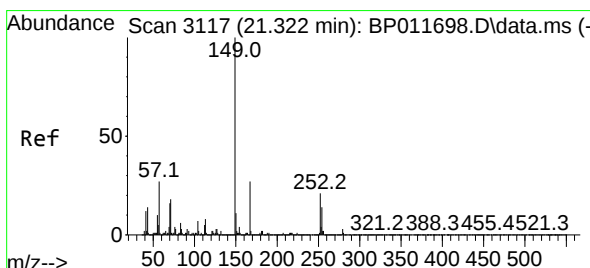
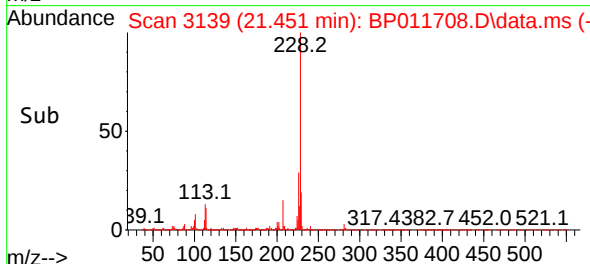
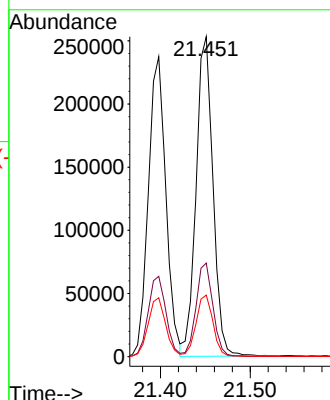
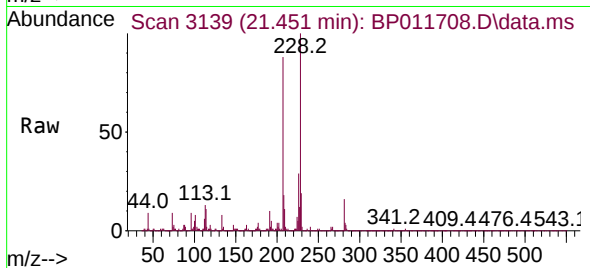
Tgt Ion:	228	Resp:	330470
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.4	35.2
229	19.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.383 ng

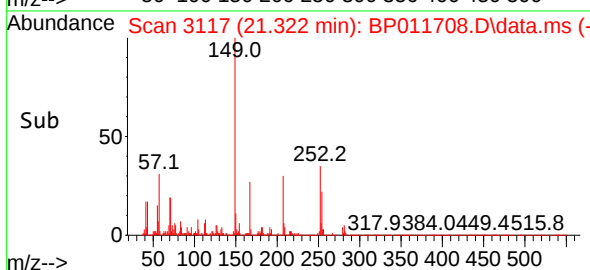
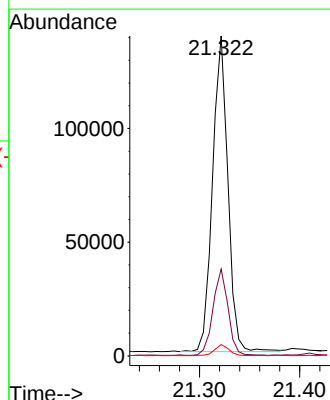
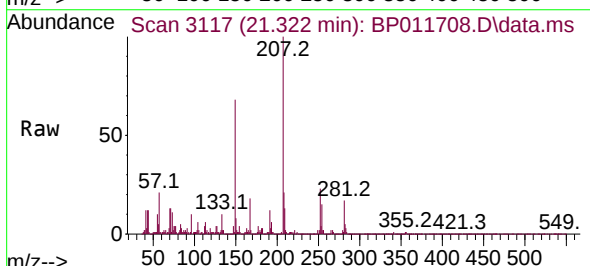
RT: 21.322 min Scan# 3117

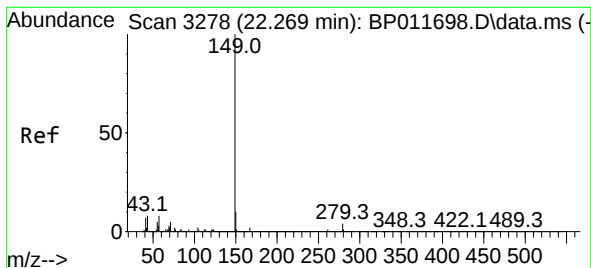
Delta R.T. 0.000 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

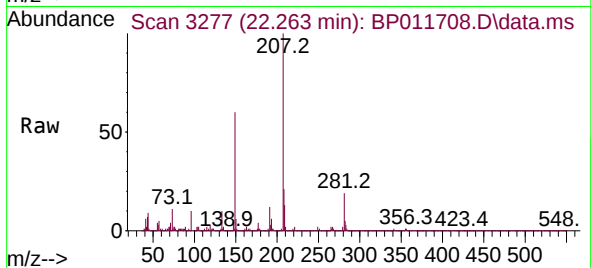
Tgt Ion:	149	Resp:	147717
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.8	32.8
279	3.5	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 2.181 ng
RT: 22.263 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

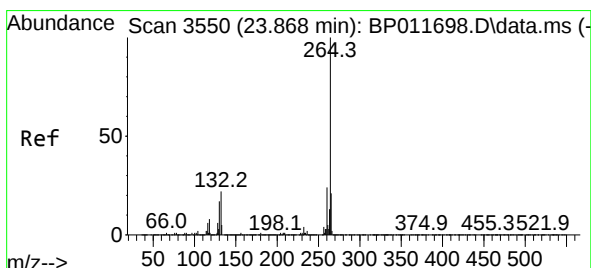
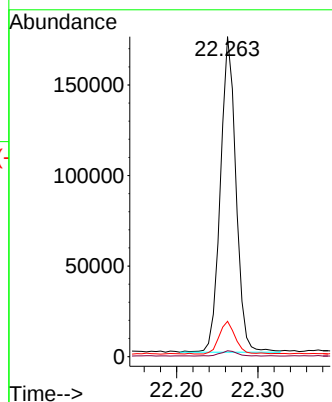
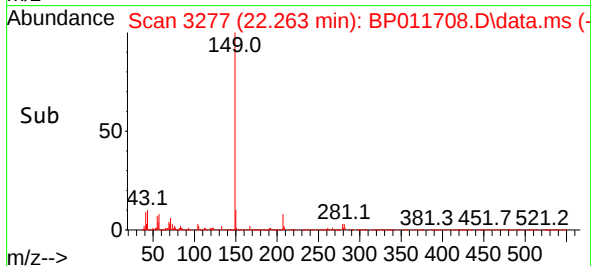
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:149 Resp: 231982
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 10.6 10.0 15.0

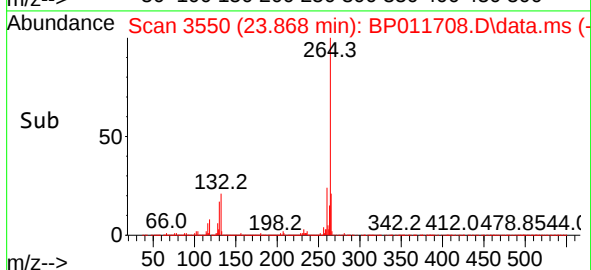
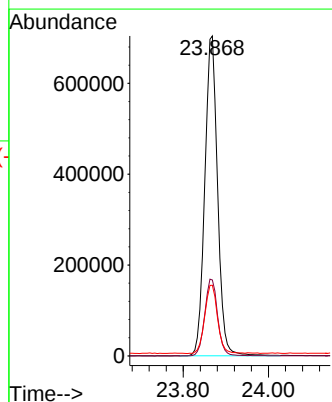
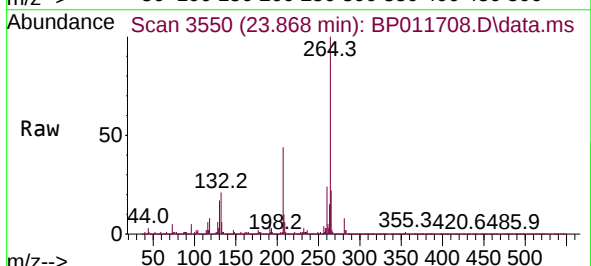
Manual Integrations
APPROVED

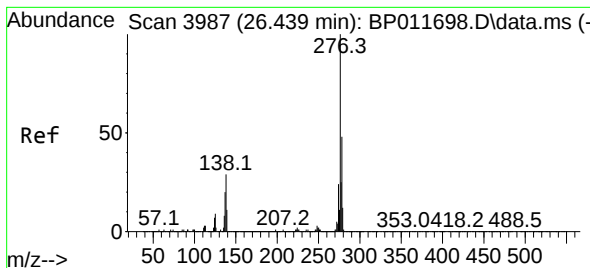
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.868 min Scan# 3550
Delta R.T. 0.000 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion:264 Resp: 1467156
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 22.1 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.963 ng

RT: 26.427 min Scan# 3987

Delta R.T. -0.012 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:276 Resp: 31316

Ion Ratio Lower Upper

276 100

138 33.1 17.5 26.3

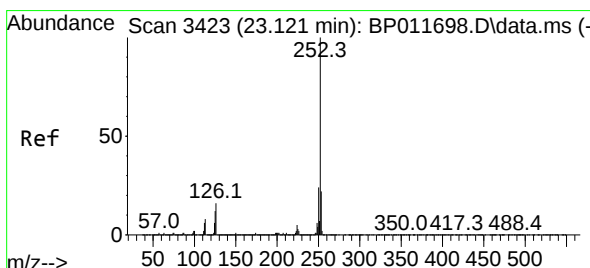
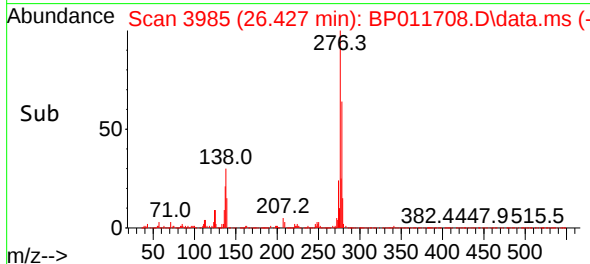
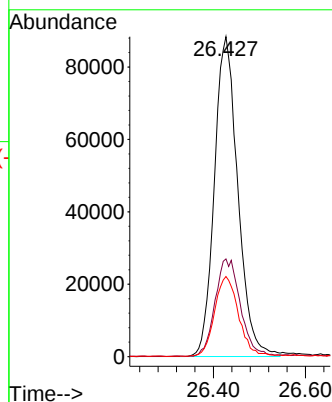
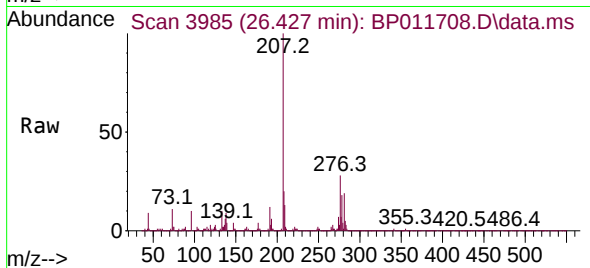
277 25.7 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#88

Benzo(b)fluoranthene

Concen: 3.496 ng

RT: 23.110 min Scan# 3421

Delta R.T. -0.012 min

Lab File: BP011708.D

Acq: 15 Sep 2022 12:51

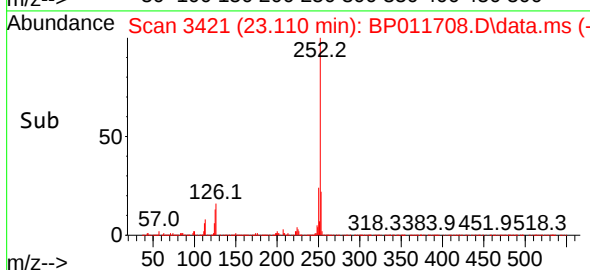
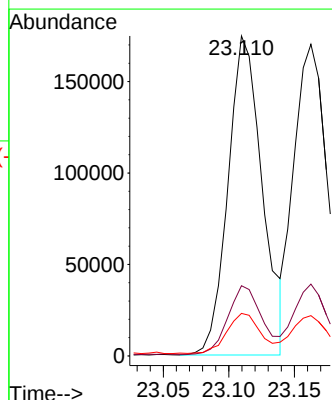
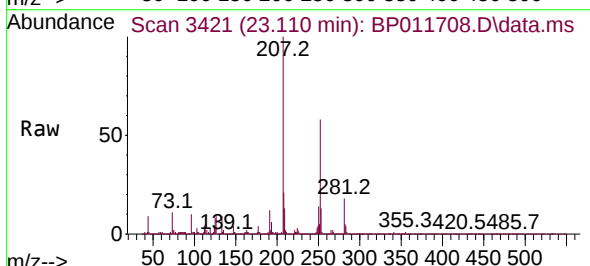
Tgt Ion:252 Resp: 317190

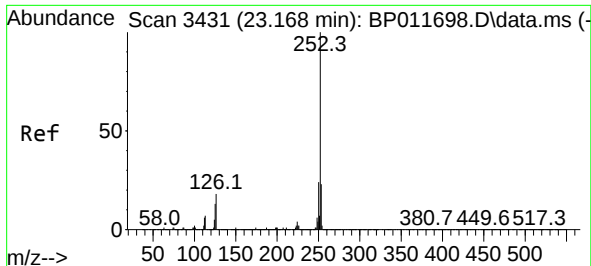
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

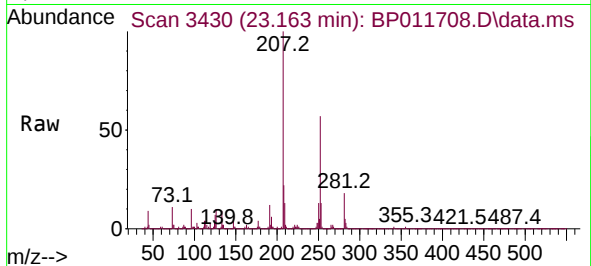
125 13.3 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 3.369 ng
RT: 23.163 min Scan# 3431
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

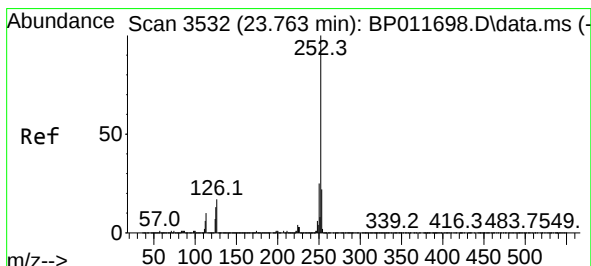
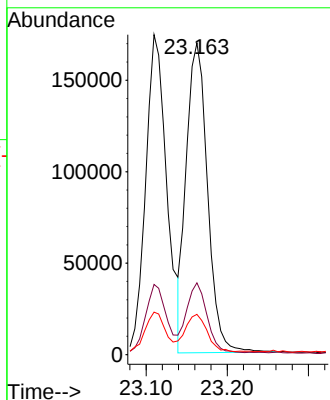
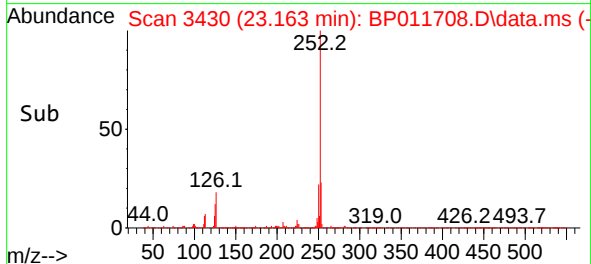
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



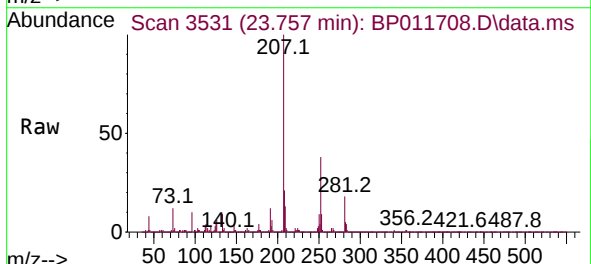
Tgt Ion:252 Resp: 308062
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 12.9 7.0 10.4

Manual Integrations
APPROVED

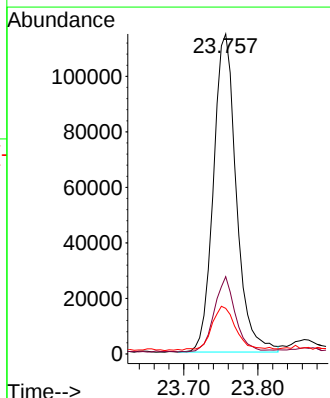
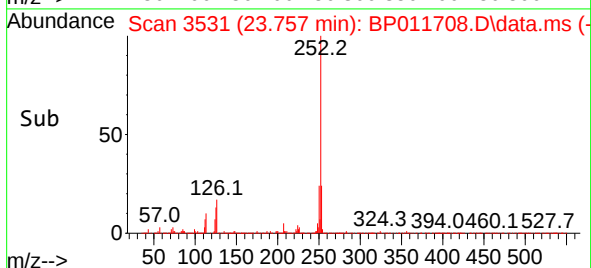
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

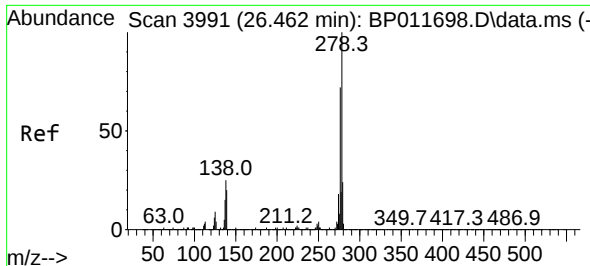


#90
Benzo(a)pyrene
Concen: 3.284 ng
RT: 23.757 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51



Tgt Ion:252 Resp: 246145
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 14.2 7.9 11.9





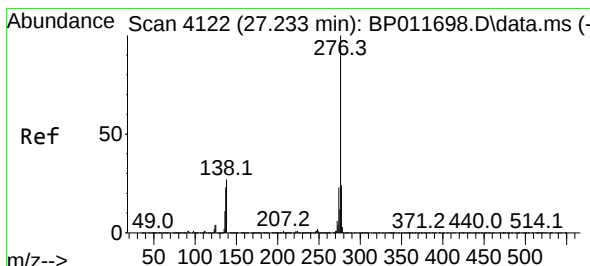
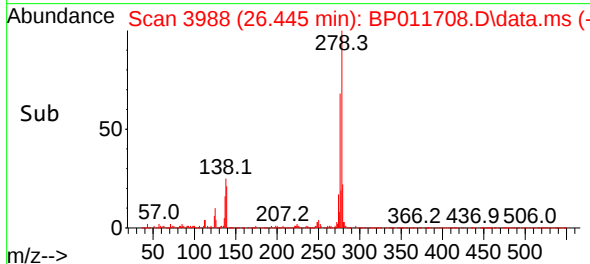
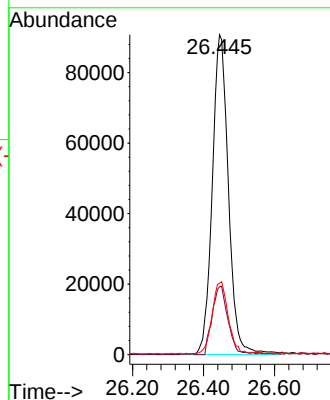
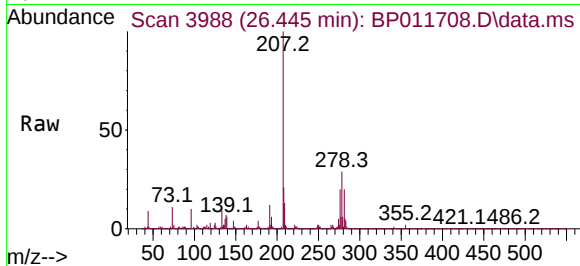
#91
Dibenzo(a,h)anthracene
Concen: 3.262 ng
RT: 26.445 min Scan# 3991
Delta R.T. -0.018 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 278 Resp: 286315
Ion Ratio Lower Upper
278 100
139 21.2 11.4 17.0
279 22.3 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 3.280 ng
RT: 27.209 min Scan# 4118
Delta R.T. -0.024 min
Lab File: BP011708.D
Acq: 15 Sep 2022 12:51

Tgt Ion: 276 Resp: 280629
Ion Ratio Lower Upper
276 100
277 22.9 18.7 28.1
138 27.8 15.2 22.8

