

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091522\
 Data File : BP011709.D
 Acq On : 15 Sep 2022 13:48
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL-8NG
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 15 14:21:31 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 14:21:29 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	7.946	152	410067	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1656255	20.000	ng	# 0.00
39) Acenaphthene-d10	14.586	164	945546	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1841390	20.000	ng	# 0.00
76) Chrysene-d12	21.421	240	1617071	20.000	ng	# 0.00
86) Perylene-d12	23.880	264	1507292	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	2401692	106.606	ng	0.00
7) Phenol-d6	7.099	99	3188664	106.180	ng	0.00
23) Nitrobenzene-d5	9.110	82	2078586	74.430	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	800482	108.350	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	4606527	75.729	ng	0.00
79) Terphenyl-d14	19.892	244	5769863	77.591	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	80256	8.089	ng	# 83
3) Pyridine	3.793	79	189961	6.641	ng	# 80
4) n-Nitrosodimethylamine	3.693	42	83524	7.617	ng	# 46
6) Aniline	7.269	93	312590	8.450	ng	90
8) 2-Chlorophenol	7.504	128	206463	7.729	ng	94
9) Benzaldehyde	7.081	77	186324	9.693	ng	94
10) Phenol	7.128	94	262877	7.783	ng	83
11) bis(2-Chloroethyl)ether	7.363	93	212904	7.912	ng	91
12) 1,3-Dichlorobenzene	7.834	146	232343	7.843	ng	# 93
13) 1,4-Dichlorobenzene	7.981	146	236488	7.850	ng	96
14) 1,2-Dichlorobenzene	8.299	146	225498	7.852	ng	96
15) Benzyl Alcohol	8.187	79	156298	7.290	ng	# 86
16) 2,2'-oxybis(1-Chloropr...	8.481	45	296593	8.252	ng	92
17) 2-Methylphenol	8.387	107	160215	7.305	ng	92
18) Hexachloroethane	9.034	117	78978	7.579	ng	91
19) n-Nitroso-di-n-propyla...	8.757	70	145205	7.468	ng	# 83
20) 3+4-Methylphenols	8.716	107	208876	6.935	ng	92
22) Acetophenone	8.769	105	309056	7.960	ng	# 88
24) Nitrobenzene	9.151	77	232751	8.010	ng	91
25) Isophorone	9.681	82	366300	7.415	ng	96
26) 2-Nitrophenol	9.869	139	70950	5.952	ng	# 82
27) 2,4-Dimethylphenol	9.922	122	169027	8.184	ng	92
28) bis(2-Chloroethoxy)met...	10.163	93	272025	8.611	ng	97
29) 2,4-Dichlorophenol	10.398	162	155330	6.789	ng	98
30) 1,2,4-Trichlorobenzene	10.616	180	191802	7.572	ng	97
31) Naphthalene	10.810	128	664547	7.732	ng	99
32) Benzoic acid	9.987	122	56502	3.656	ng	# 82
33) 4-Chloroaniline	10.916	127	254346	7.543	ng	# 92
34) Hexachlorobutadiene	11.093	225	103783	7.438	ng	98
35) Caprolactam	11.693	113	41439	5.590	ng	# 75
36) 4-Chloro-3-methylphenol	12.034	107	170854	6.944	ng	92
37) 2-Methylnaphthalene	12.416	142	433284	7.533	ng	96
38) 1-Methylnaphthalene	12.634	142	411555	7.318	ng	99
40) 1,2,4,5-Tetrachloroben...	12.781	216	198500	7.954	ng	98
41) Hexachlorocyclopentadiene	12.763	237	108532	8.713	ng	99
43) 2,4,6-Trichlorophenol	13.016	196	110648	6.518	ng	95

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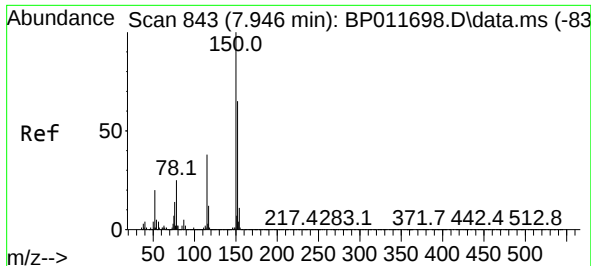
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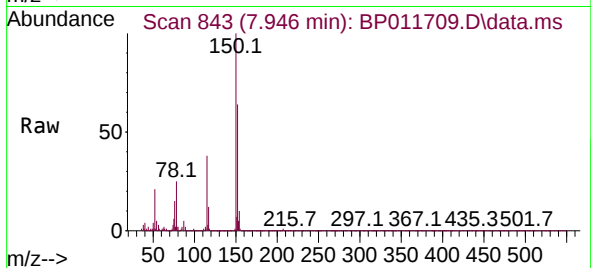
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.087	196	125687	6.622	ng	98
46) 1,1'-Biphenyl	13.422	154	567972	8.257	ng	99
47) 2-Chloronaphthalene	13.463	162	422616	7.809	ng	99
48) 2-Nitroaniline	13.663	65	93270	6.145	ng	91
49) Acenaphthylene	14.310	152	617556	7.375	ng	100
50) Dimethylphthalate	14.039	163	489717	7.424	ng	99
51) 2,6-Dinitrotoluene	14.157	165	88484	6.615	ng	94
52) Acenaphthene	14.651	154	413436m	7.422	ng	
53) 3-Nitroaniline	14.486	138	91933	5.960	ng	95
54) 2,4-Dinitrophenol	14.692	184	29026	4.455	ng	92
55) Dibenzofuran	14.986	168	632768	7.888	ng	97
56) 4-Nitrophenol	14.786	139	68704	5.286	ng	# 76
57) 2,4-Dinitrotoluene	14.945	165	100478	5.799	ng	94
58) Fluorene	15.633	166	497648	7.649	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.210	232	99300	6.369	ng	94
60) Diethylphthalate	15.404	149	471987	7.187	ng	97
61) 4-Chlorophenyl-phenyle...	15.628	204	231751	7.706	ng	98
62) 4-Nitroaniline	15.651	138	87186	5.623	ng	# 82
63) Azobenzene	15.922	77	444428	7.042	ng	91
65) 4,6-Dinitro-2-methylph...	15.704	198	39881	4.429	ng	89
66) n-Nitrosodiphenylamine	15.845	169	410159	7.486	ng	98
67) 4-Bromophenyl-phenylether	16.528	248	125187	7.262	ng	95
68) Hexachlorobenzene	16.639	284	138425	7.456	ng	95
69) Atrazine	16.798	200	120724	7.219	ng	98
70) Pentachlorophenol	16.986	266	64476	5.475	ng	98
71) Phenanthrene	17.380	178	751681	7.502	ng	98
72) Anthracene	17.475	178	710292	7.495	ng	99
73) Carbazole	17.739	167	658091	7.361	ng	99
74) Di-n-butylphthalate	18.292	149	687091	6.376	ng	99
75) Fluoranthene	19.345	202	767318	7.101	ng	97
77) Benzidine	19.522	184	324991	8.451	ng	98
78) Pyrene	19.698	202	804699	7.378	ng	99
80) Butylbenzylphthalate	20.569	149	258909	5.665	ng	97
81) Benzo(a)anthracene	21.404	228	758751	7.280	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	238004	7.518	ng	# 97
83) Chrysene	21.457	228	723204	7.262	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	378685	5.760	ng	# 96
85) Di-n-octyl phthalate	22.274	149	582944	5.167	ng	96
87) Indeno(1,2,3-cd)pyrene	26.445	276	714901	6.583	ng	# 89
88) Benzo(b)fluoranthene	23.121	252	725106	7.778	ng	# 97
89) Benzo(k)fluoranthene	23.174	252	686521	7.308	ng	# 96
90) Benzo(a)pyrene	23.768	252	571227	7.417	ng	# 96
91) Dibenzo(a,h)anthracene	26.462	278	639964	7.097	ng	# 93
92) Benzo(g,h,i)perylene	27.233	276	626349	7.125	ng	# 90

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.946 min Scan# 843
 Delta R.T. -0.000 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48

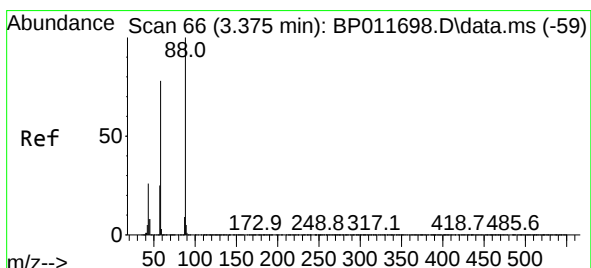
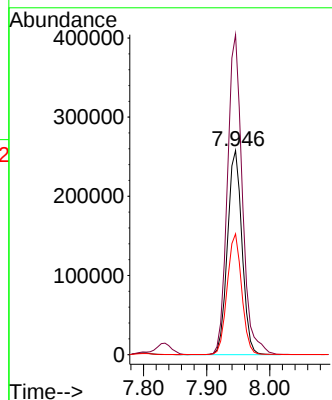
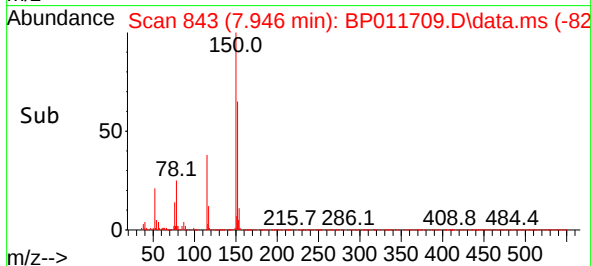
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



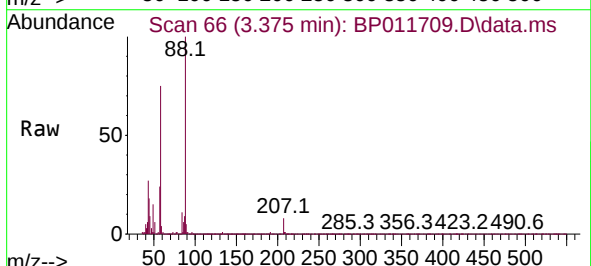
Tgt Ion: 152 Resp: 41062
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.4 185.2
 115 59.1 51.3 76.9

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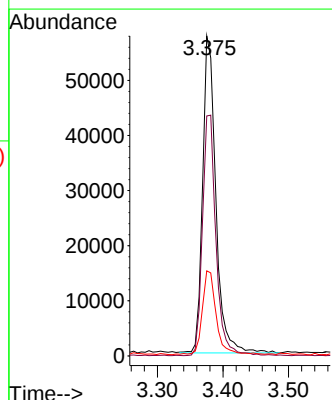
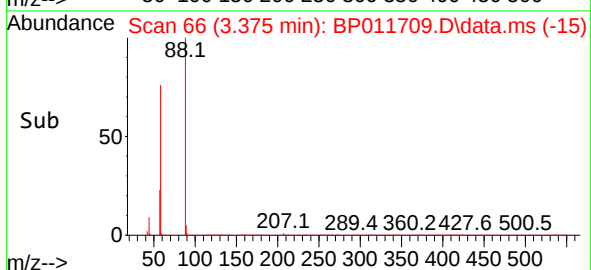
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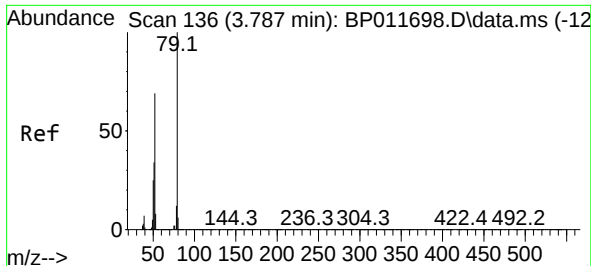


#2
 1,4-Dioxane
 Concen: 8.089 ng
 RT: 3.375 min Scan# 66
 Delta R.T. -0.000 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48



Tgt Ion: 88 Resp: 80256
 Ion Ratio Lower Upper
 88 100
 58 77.4 74.5 111.7
 43 27.9 31.5 47.3





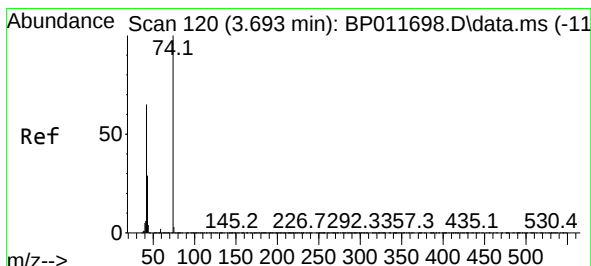
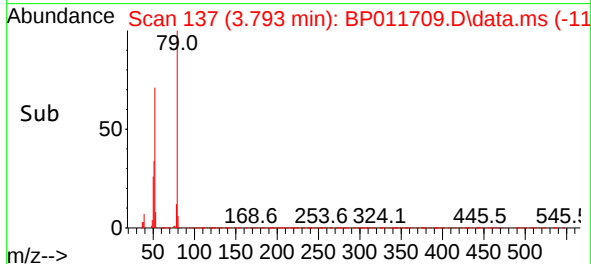
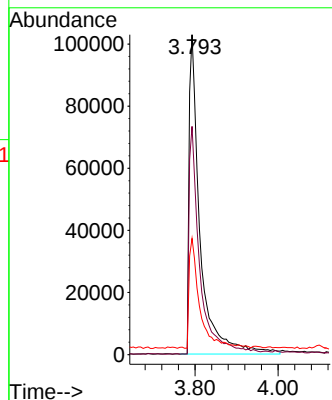
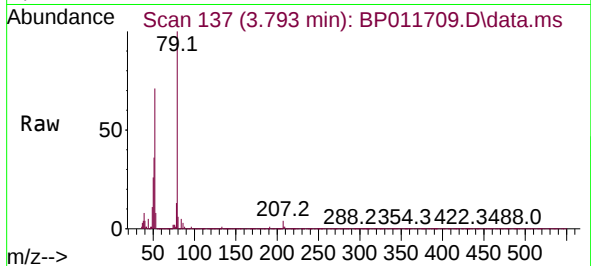
#3
 Pyridine
 Concen: 6.641 ng
 RT: 3.793 min Scan# 136
 Delta R.T. 0.006 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48

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

Tgt Ion: 79 Resp: 189963
 Ion Ratio Lower Upper
 79 100
 52 71.3 73.5 110.3#
 51 36.3 38.6 57.8#

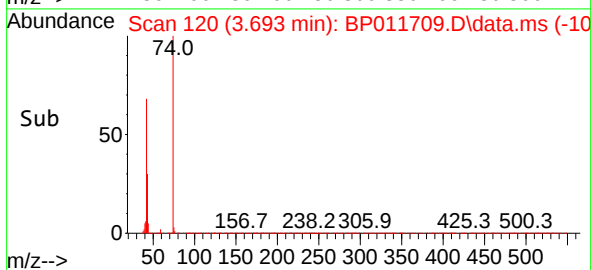
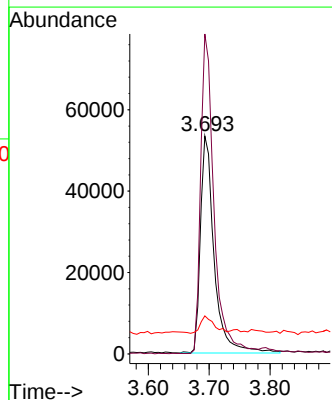
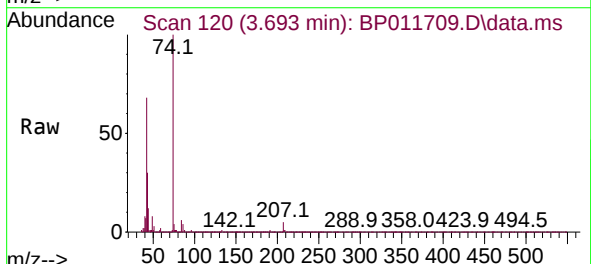
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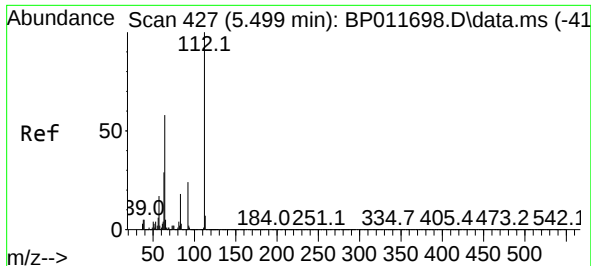
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 Supervised By :Jagrut Upadhyay 09/16/2022



#4
 n-Nitrosodimethylamine
 Concen: 7.617 ng
 RT: 3.693 min Scan# 120
 Delta R.T. -0.000 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48

Tgt Ion: 42 Resp: 83524
 Ion Ratio Lower Upper
 42 100
 74 146.9 74.4 111.6#
 44 17.4 5.7 8.5#





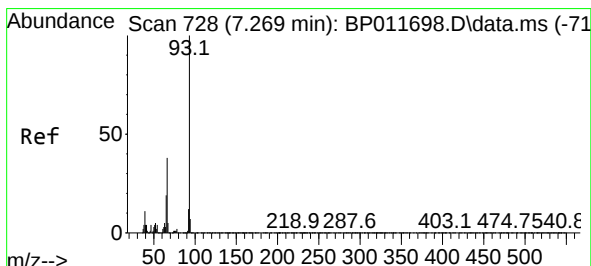
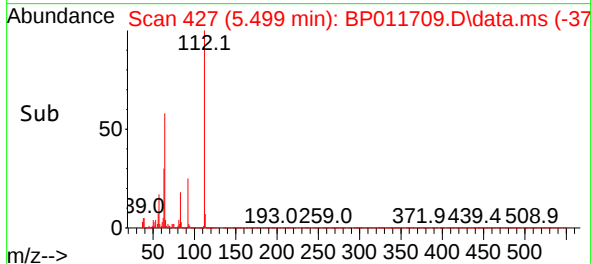
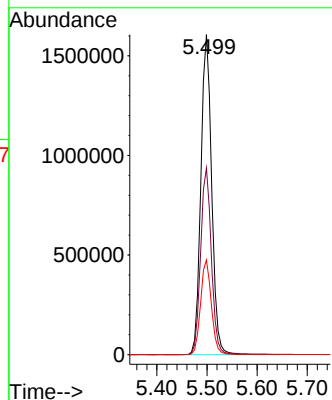
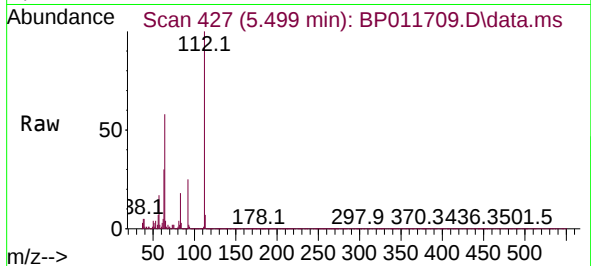
#5
2-Fluorophenol
Concen: 106.606 ng
RT: 5.499 min Scan# 427
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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ClientSampleId :
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Tgt Ion:112 Resp: 2401692
Ion Ratio Lower Upper
112 100
64 58.3 56.9 85.3
63 29.6 31.2 46.8

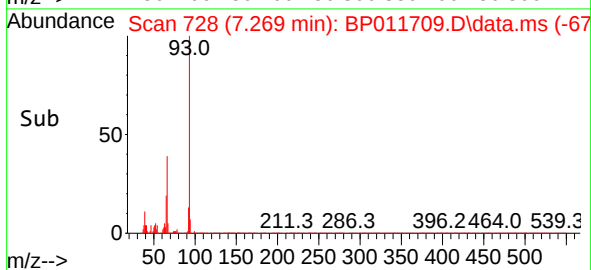
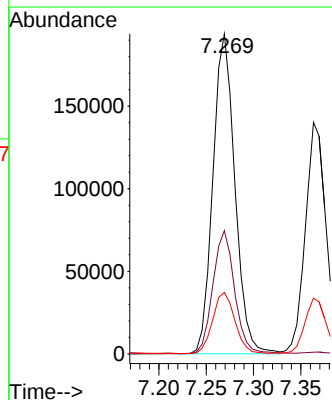
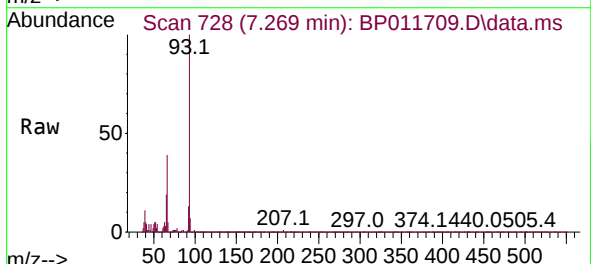
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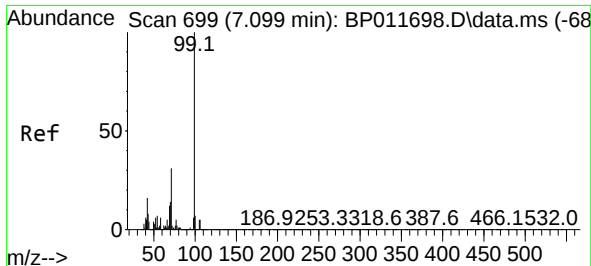
Reviewed By :Christian Giraldo 09/16/2022
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#6
Aniline
Concen: 8.450 ng
RT: 7.269 min Scan# 728
Delta R.T. -0.000 min
Lab File: BP011709.D
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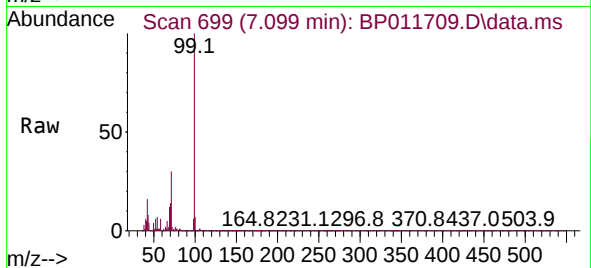
Tgt Ion: 93 Resp: 312590
Ion Ratio Lower Upper
93 100
66 38.5 36.7 55.1
65 19.2 18.2 27.4





#7
Phenol-d6
Concen: 106.180 ng
RT: 7.099 min Scan# 699
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

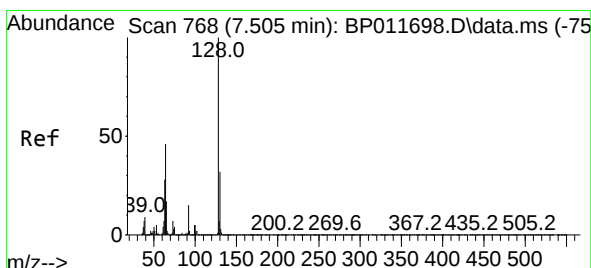
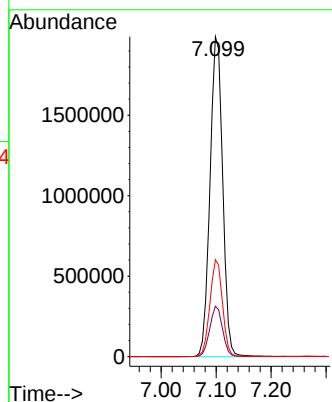
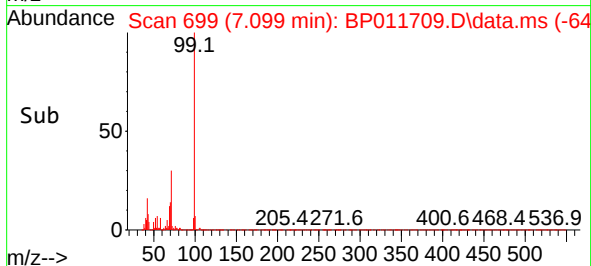
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Tgt Ion: 99 Resp: 3188664
Ion Ratio Lower Upper
99 100
42 15.8 20.3 30.5
71 30.3 33.9 50.9

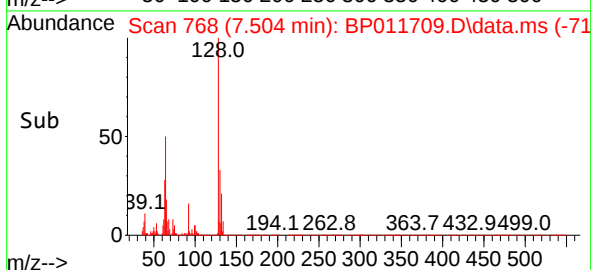
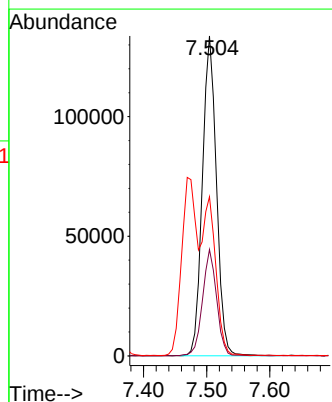
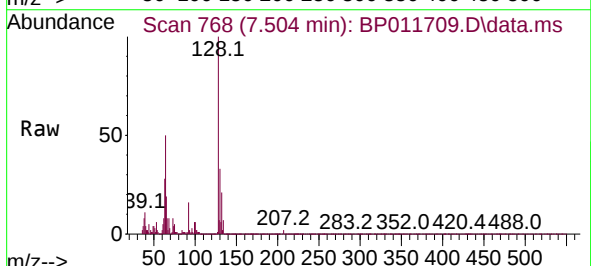
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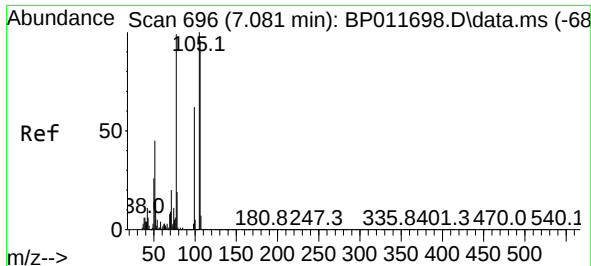
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#8
2-Chlorophenol
Concen: 7.729 ng
RT: 7.504 min Scan# 768
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

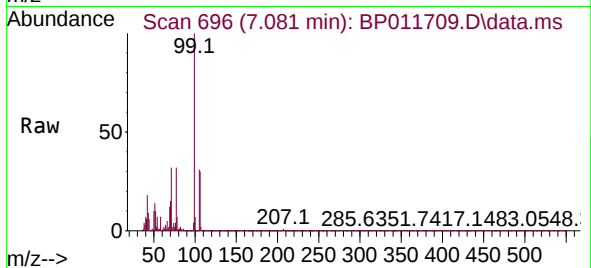
Tgt Ion:128 Resp: 206463
Ion Ratio Lower Upper
128 100
130 33.2 11.8 51.8
64 49.7 35.3 75.3





#9
Benzaldehyde
Concen: 9.693 ng
RT: 7.081 min Scan# 696
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

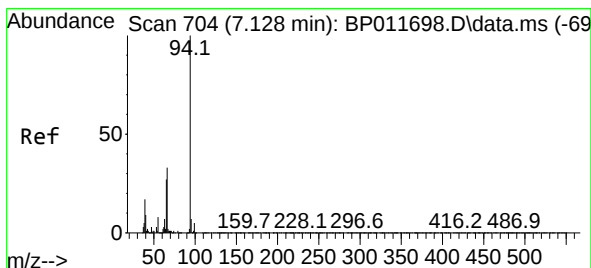
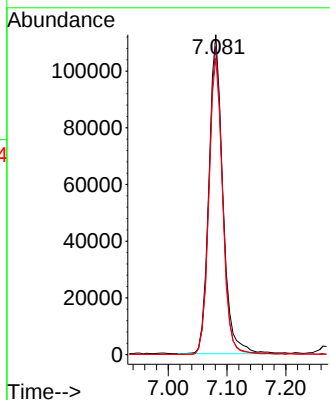
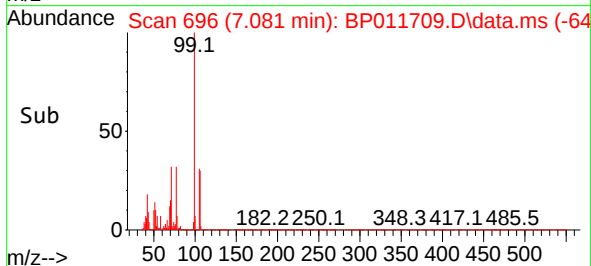
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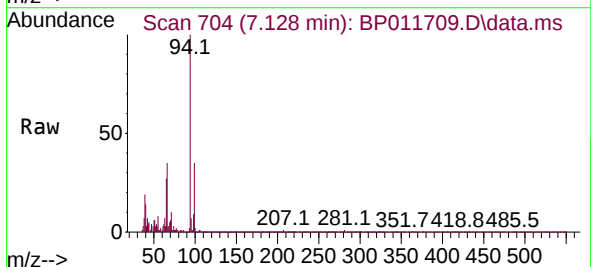
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Ion Ratio Lower Upper
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106 92.7 66.9 106.9

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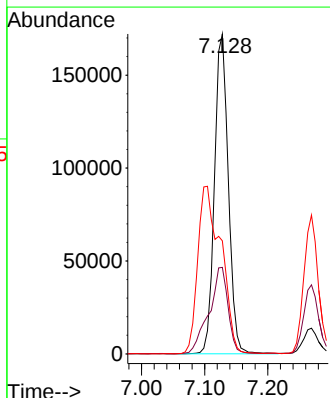
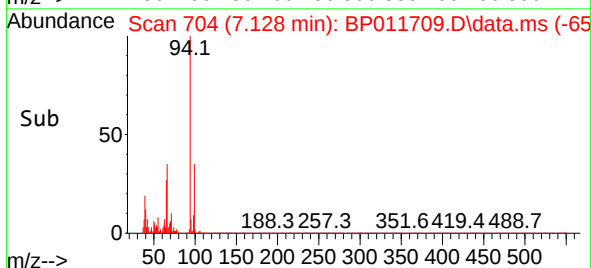
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

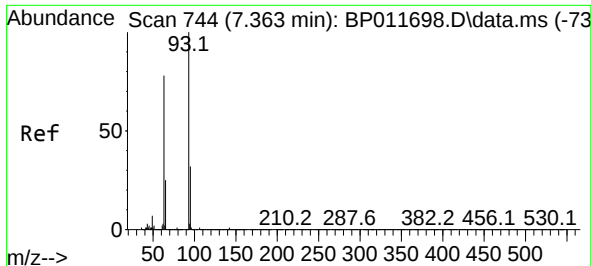


#10
Phenol
Concen: 7.783 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



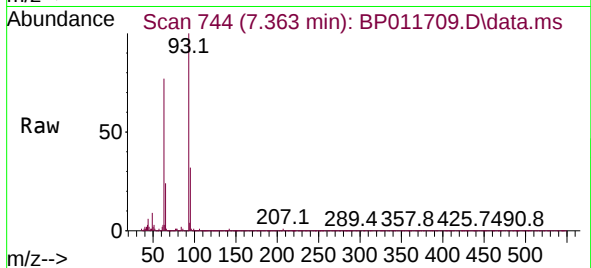
Tgt Ion: 94 Resp: 262877
Ion Ratio Lower Upper
94 100
65 27.0 14.0 54.0
66 35.3 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 7.912 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

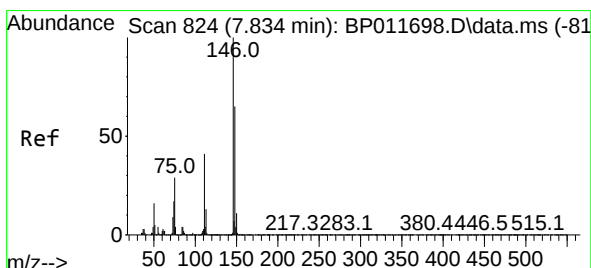
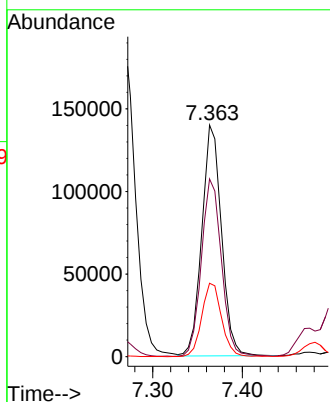
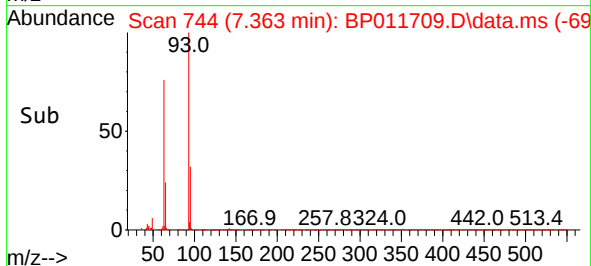
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



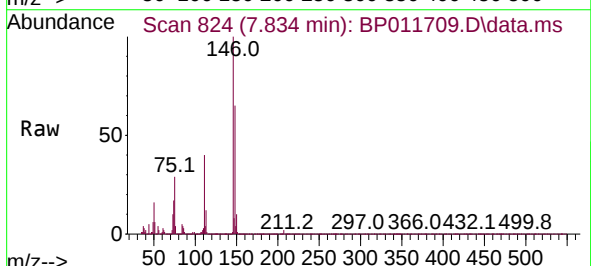
Tgt Ion: 93 Resp: 212904
Ion Ratio Lower Upper
93 100
63 76.8 68.2 108.2
95 31.7 12.2 52.2

Manual Integrations
APPROVED

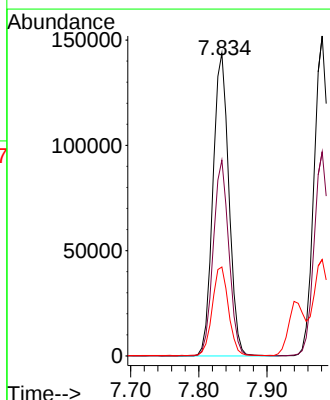
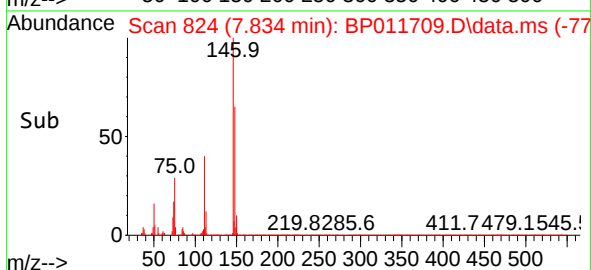
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

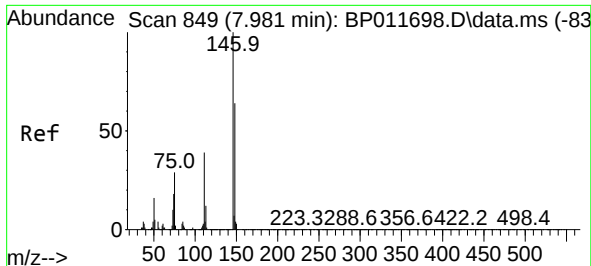


#12
1,3-Dichlorobenzene
Concen: 7.843 ng
RT: 7.834 min Scan# 824
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



Tgt Ion:146 Resp: 232343
Ion Ratio Lower Upper
146 100
148 64.7 53.0 79.4
75 29.4 31.3 46.9#





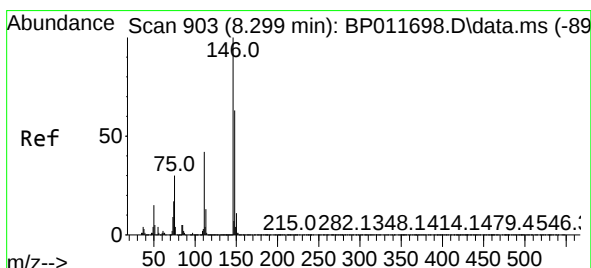
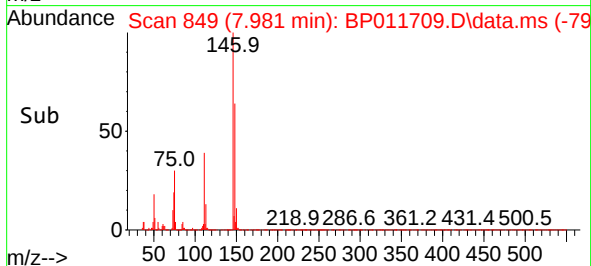
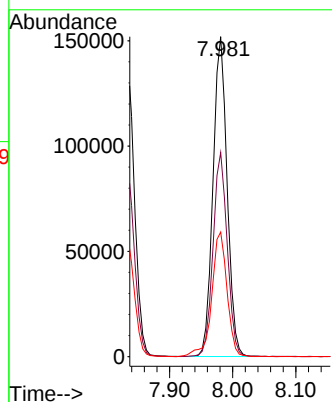
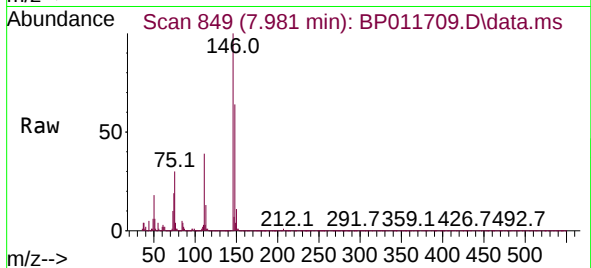
#13
1,4-Dichlorobenzene
Concen: 7.850 ng
RT: 7.981 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:146 Resp: 236488
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 38.9 35.2 52.8

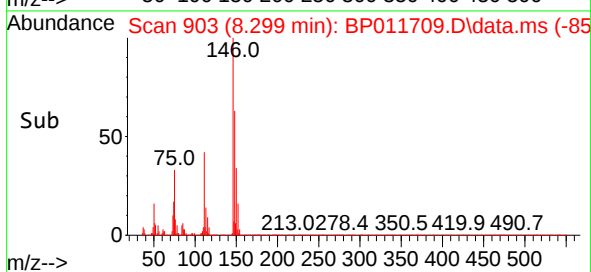
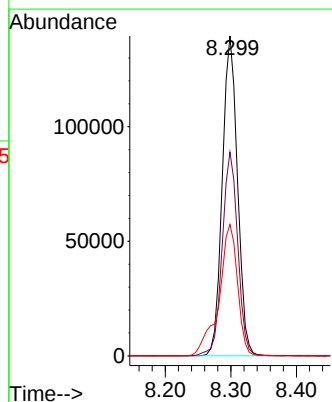
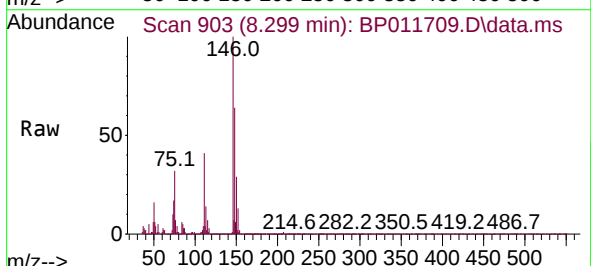
Manual Integrations
APPROVED

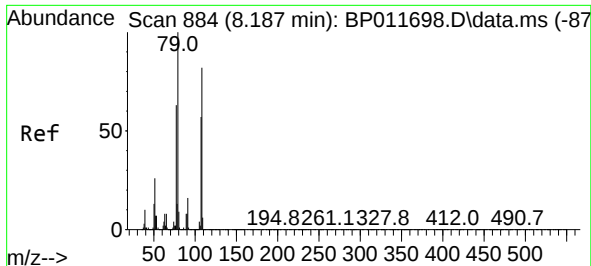
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#14
1,2-Dichlorobenzene
Concen: 7.852 ng
RT: 8.299 min Scan# 903
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:146 Resp: 225498
Ion Ratio Lower Upper
146 100
148 63.7 52.2 78.2
111 41.1 36.6 55.0





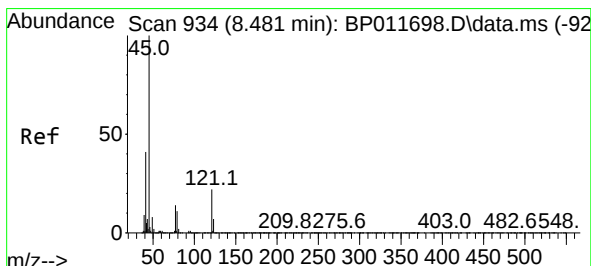
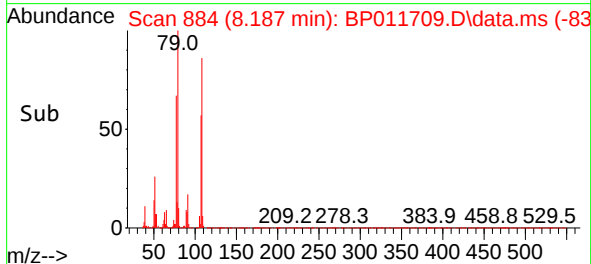
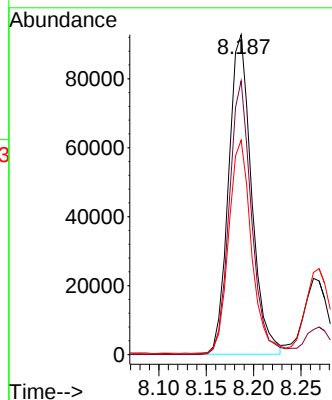
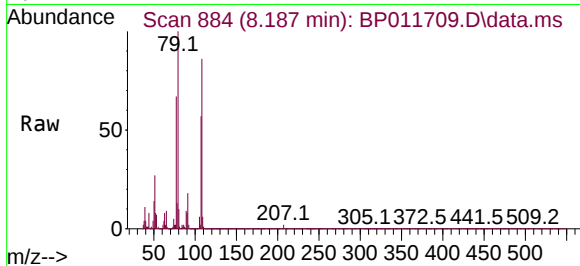
#15
Benzyl Alcohol
Concen: 7.290 ng
RT: 8.187 min Scan# 884
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion: 79 Resp: 156298
Ion Ratio Lower Upper
79 100
108 85.6 53.4 80.0
77 67.0 51.5 77.3

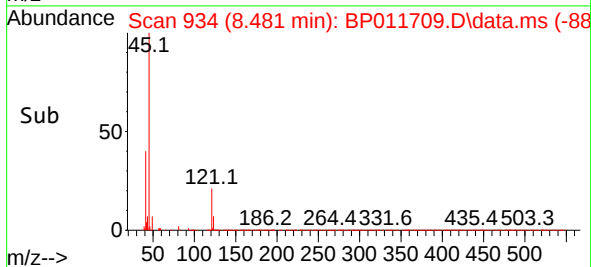
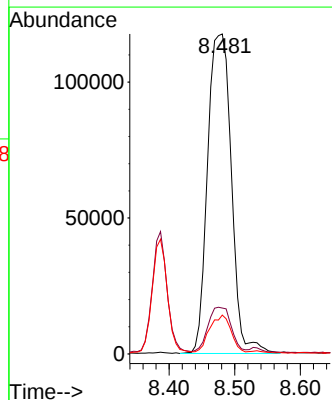
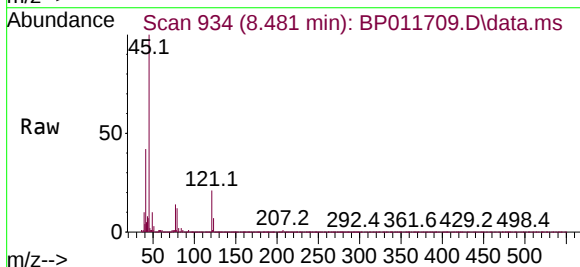
Manual Integrations
APPROVED

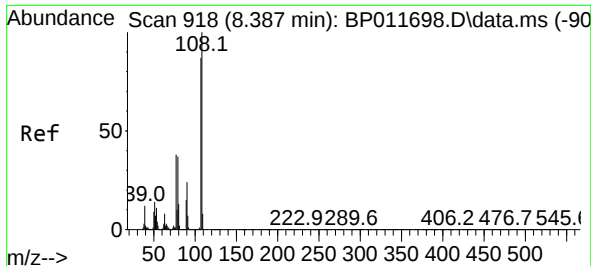
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.252 ng
RT: 8.481 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

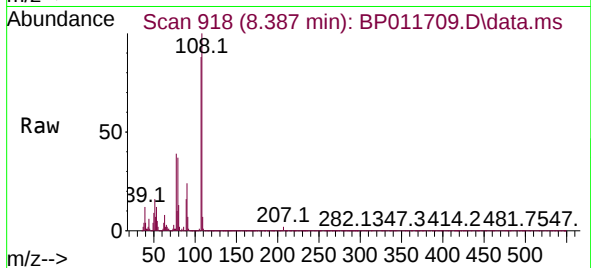
Tgt Ion: 45 Resp: 296593
Ion Ratio Lower Upper
45 100
77 14.3 0.0 31.8
79 12.1 0.0 28.8





#17
2-Methylphenol
Concen: 7.305 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

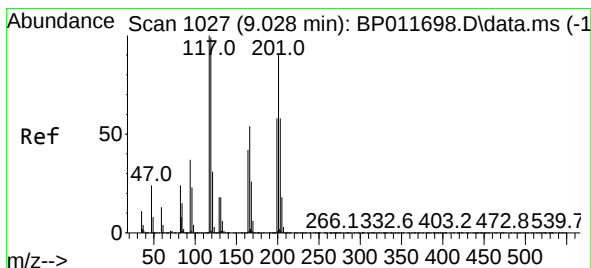
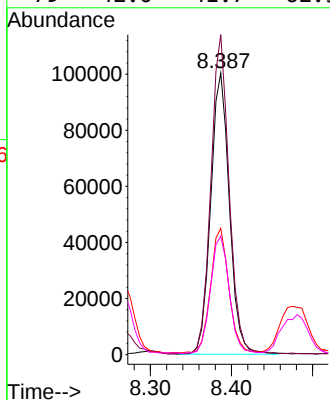
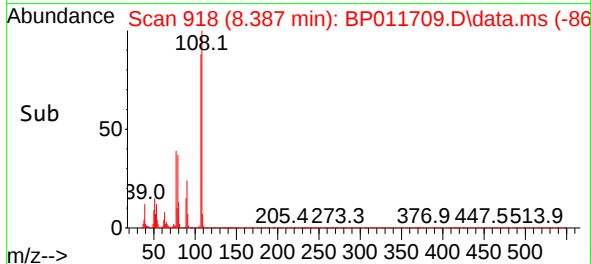
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



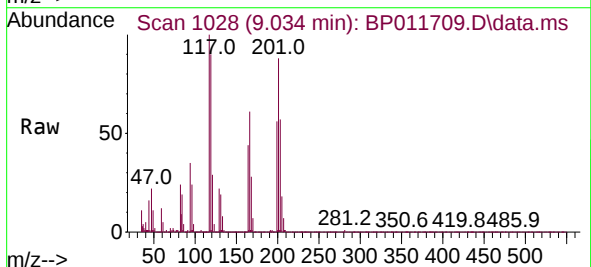
Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.6	88.9	133.3
77	44.8	44.7	67.1
79	42.0	41.7	62.5

Manual Integrations
APPROVED

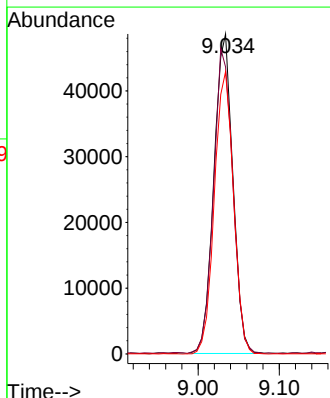
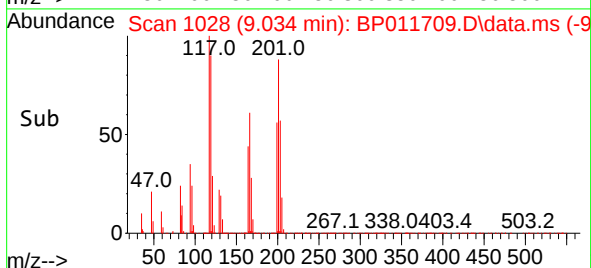
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

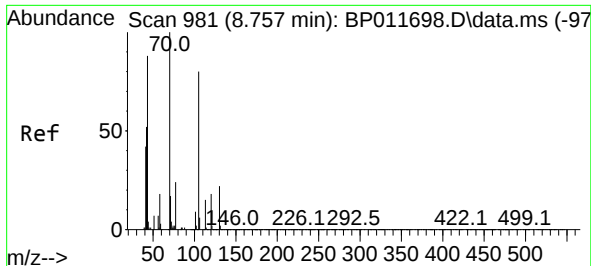


#18
Hexachloroethane
Concen: 7.579 ng
RT: 9.034 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	75.6	113.4
201	88.2	80.9	121.3





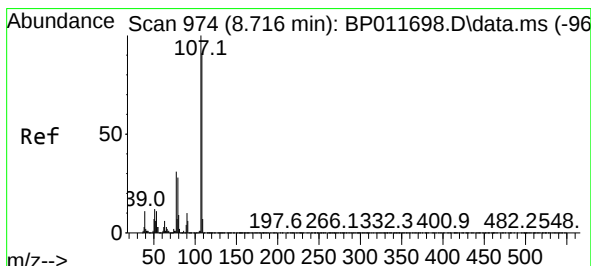
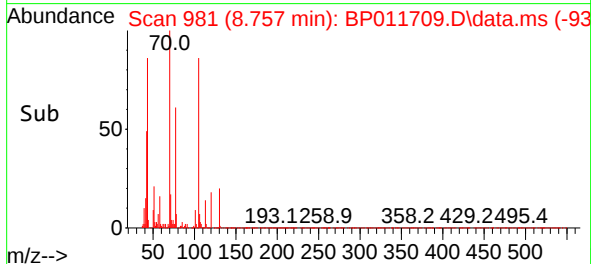
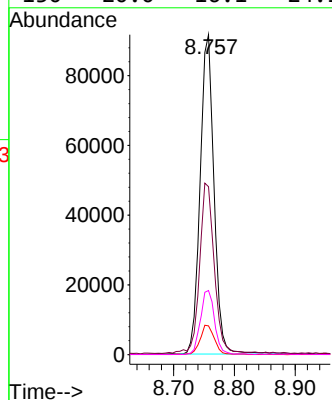
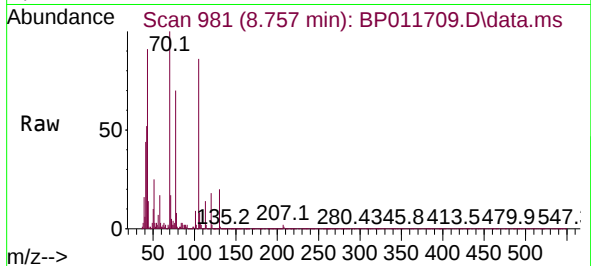
#19
n-Nitroso-di-n-propylamine
Concen: 7.468 ng
RT: 8.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion: 70 Resp: 145205
Ion Ratio Lower Upper
70 100
42 52.5 58.1 87.1
101 9.0 8.4 12.6
130 20.0 16.1 24.1

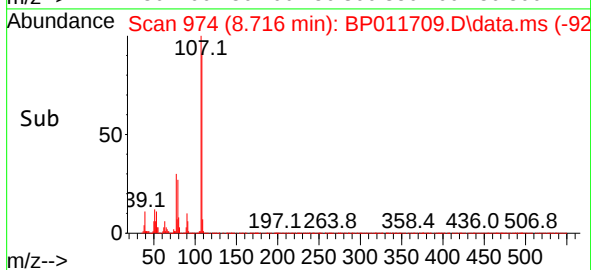
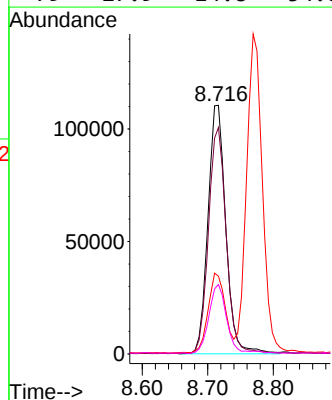
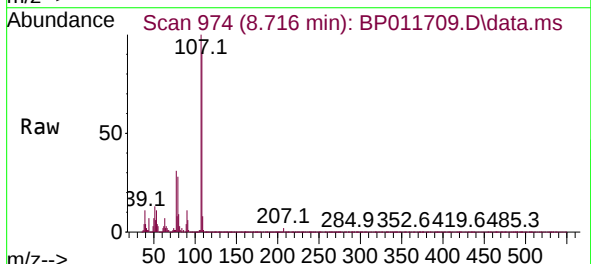
Manual Integrations
APPROVED

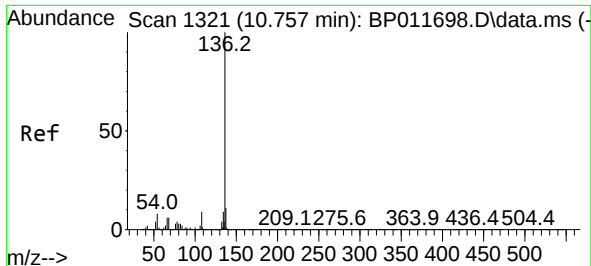
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#20
3+4-Methylphenols
Concen: 6.935 ng
RT: 8.716 min Scan# 974
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

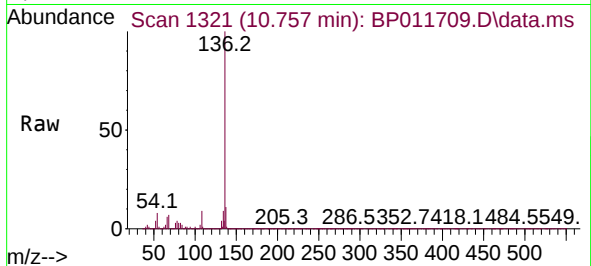
Tgt Ion:107 Resp: 208876
Ion Ratio Lower Upper
107 100
108 91.1 67.1 107.1
77 31.2 19.2 59.2
79 27.9 14.8 54.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

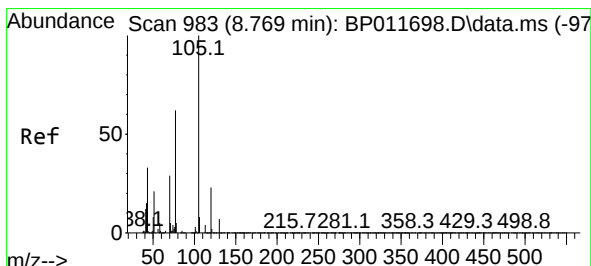
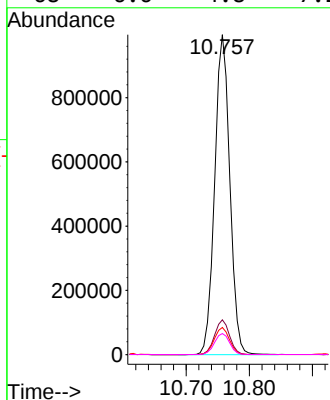
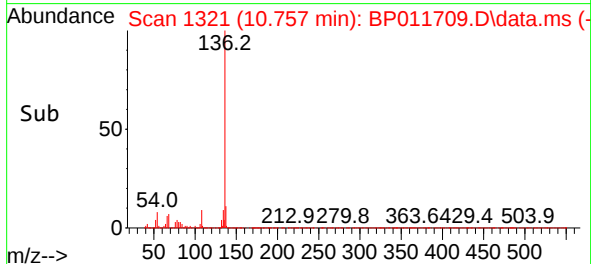
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:136 Resp: 165625
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.5 8.7 13.1
68 6.6 4.8 7.2

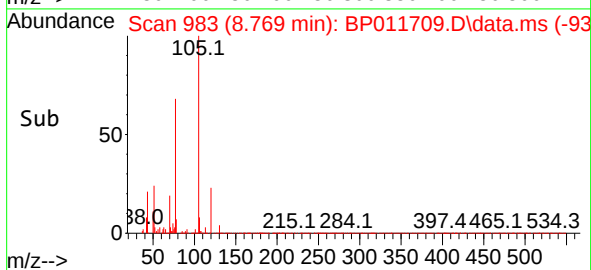
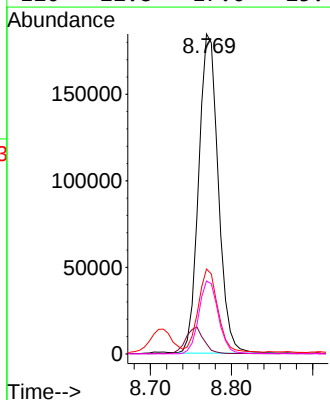
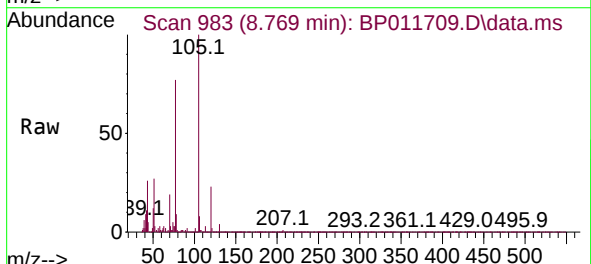
Manual Integrations
APPROVED

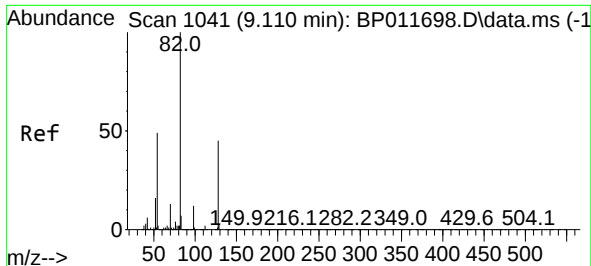
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#22
Acetophenone
Concen: 7.960 ng
RT: 8.769 min Scan# 983
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

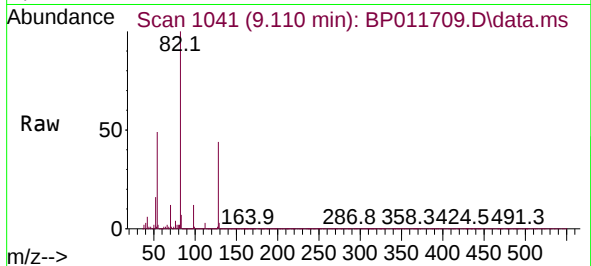
Tgt Ion:105 Resp: 309056
Ion Ratio Lower Upper
105 100
71 3.2 3.4 5.0#
51 26.5 29.5 44.3#
120 22.8 17.0 25.4





#23
Nitrobenzene-d5
Concen: 74.430 ng
RT: 9.110 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

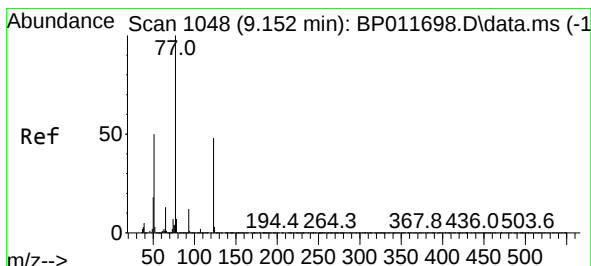
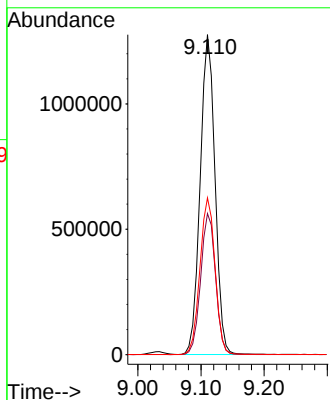
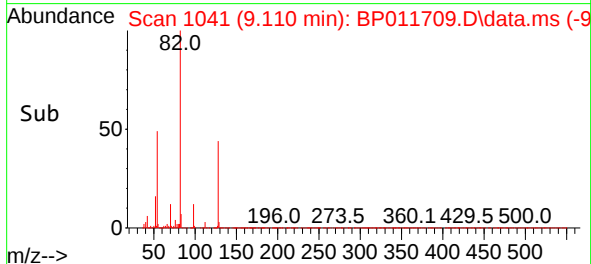
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



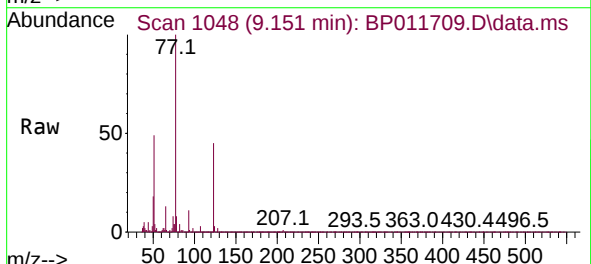
Tgt Ion: 82 Resp: 2078586
Ion Ratio Lower Upper
82 100
128 44.1 31.3 46.9
54 49.0 49.8 74.8

Manual Integrations
APPROVED

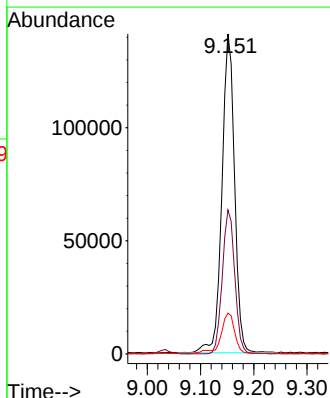
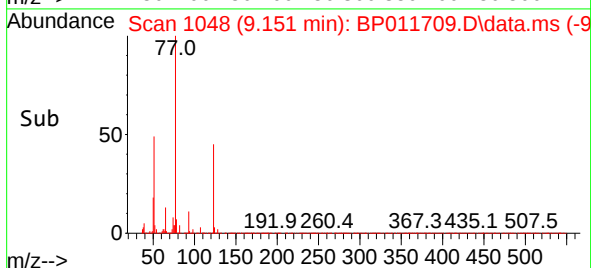
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

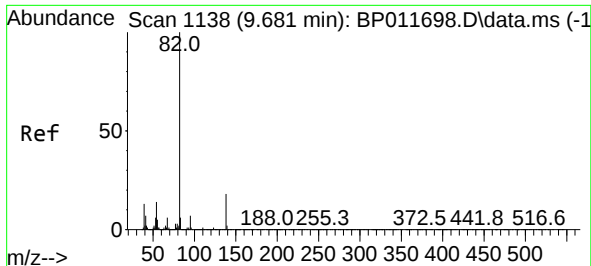


#24
Nitrobenzene
Concen: 8.010 ng
RT: 9.151 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



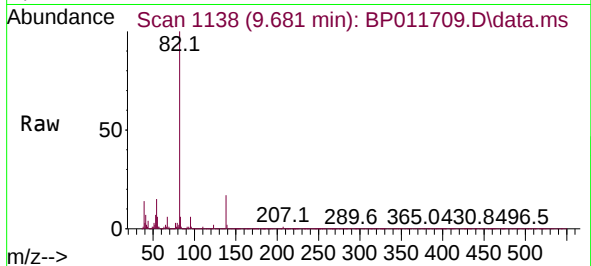
Tgt Ion: 77 Resp: 232751
Ion Ratio Lower Upper
77 100
123 45.0 31.1 46.7
65 12.7 12.1 18.1





#25
Isophorone
Concen: 7.415 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

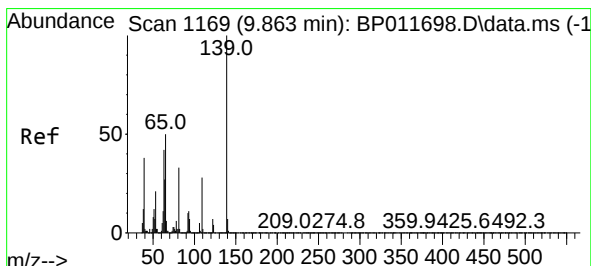
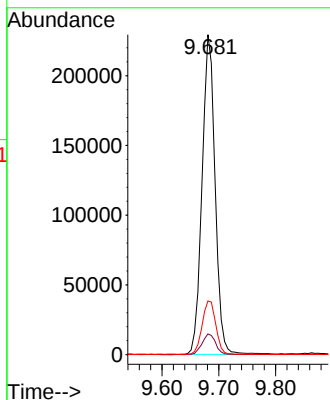
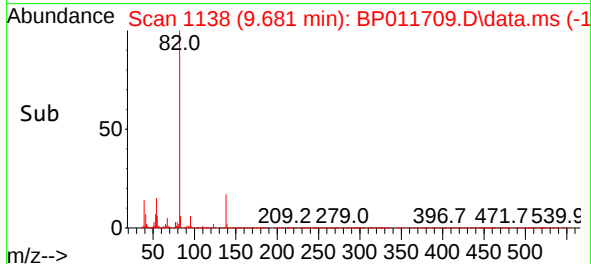
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 366300
Ion Ratio Lower Upper
82 100
95 6.5 6.5 9.7
138 16.8 12.4 18.6

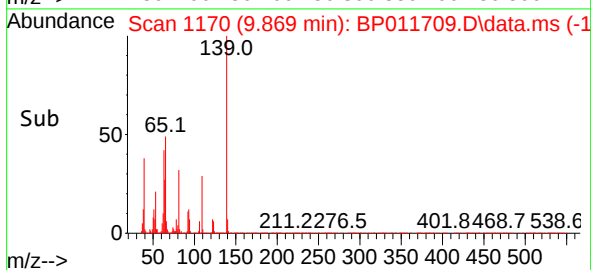
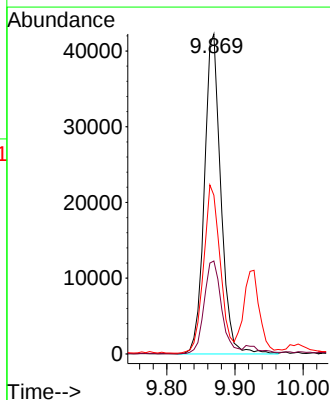
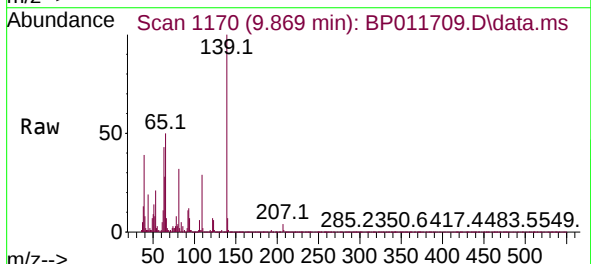
Manual Integrations
APPROVED

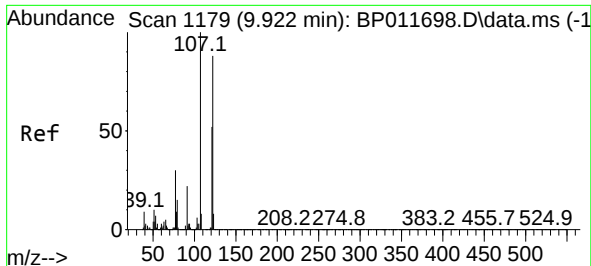
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#26
2-Nitrophenol
Concen: 5.952 ng
RT: 9.869 min Scan# 1170
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:139 Resp: 70950
Ion Ratio Lower Upper
139 100
109 29.0 30.2 45.4#
65 49.6 52.2 78.2#





#27

2,4-Dimethylphenol

Concen: 8.184 ng

RT: 9.922 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BP011709.D

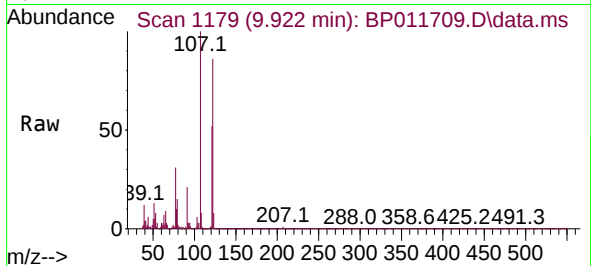
Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 122 Resp: 16902

Ion Ratio Lower Upper

122 100

107 116.6 103.5 155.3

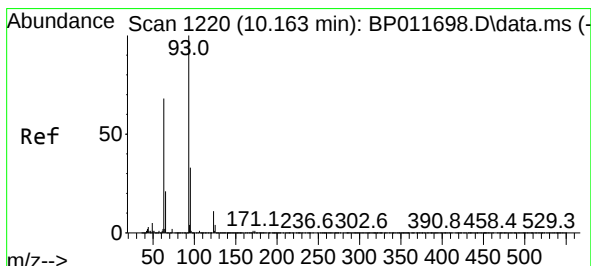
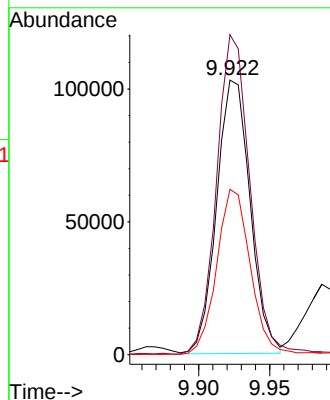
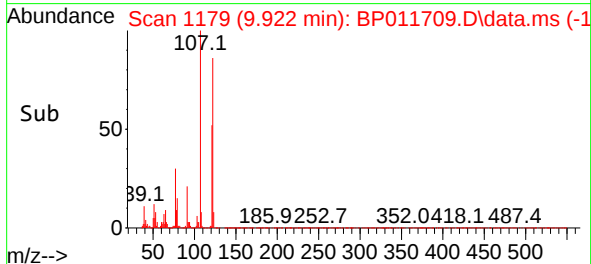
121 60.2 47.5 71.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 8.611 ng

RT: 10.163 min Scan# 1220

Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

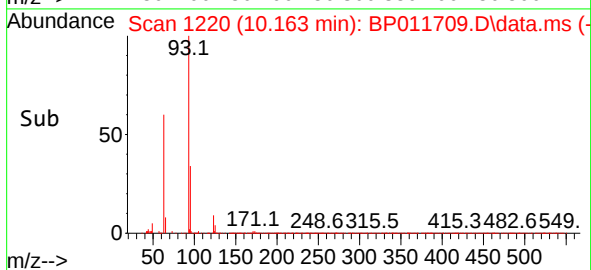
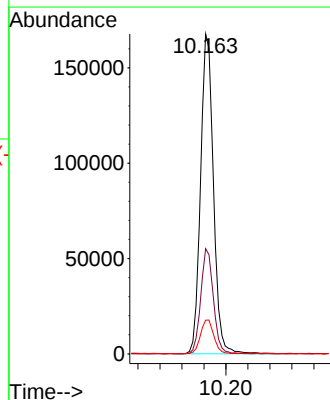
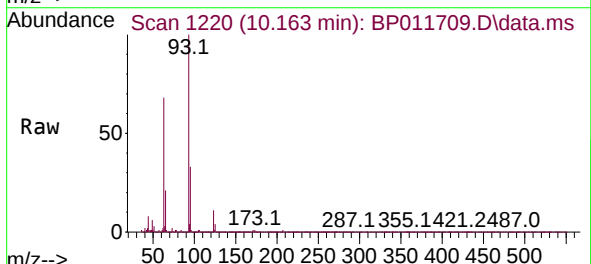
Tgt Ion: 93 Resp: 272025

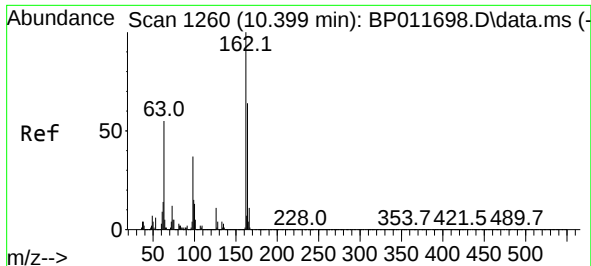
Ion Ratio Lower Upper

93 100

95 32.9 25.0 37.6

123 10.5 9.0 13.6





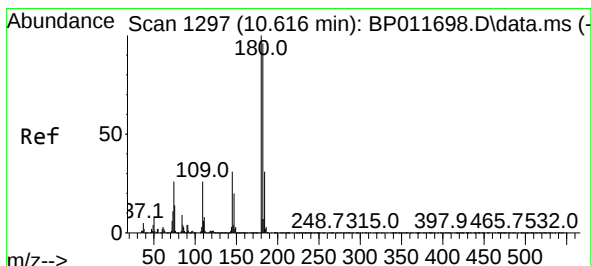
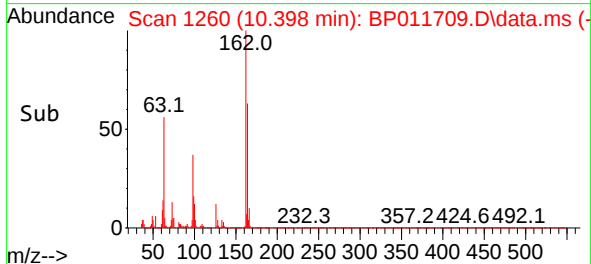
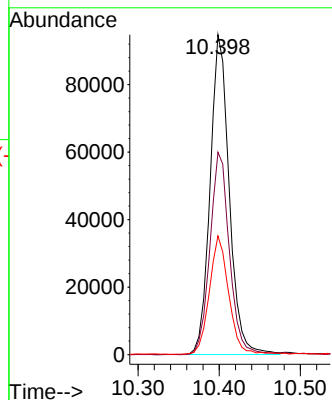
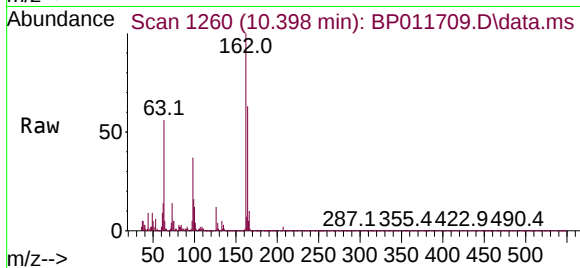
#29
2,4-Dichlorophenol
Concen: 6.789 ng
RT: 10.398 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:162 Resp: 155330
Ion Ratio Lower Upper
162 100
164 63.2 43.0 83.0
98 37.1 20.4 60.4

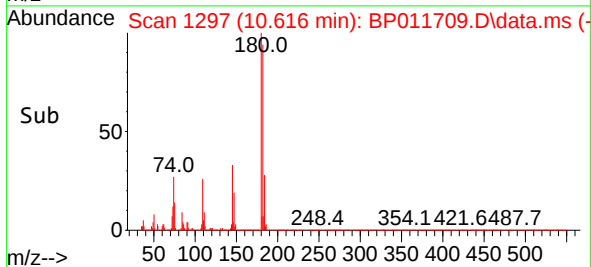
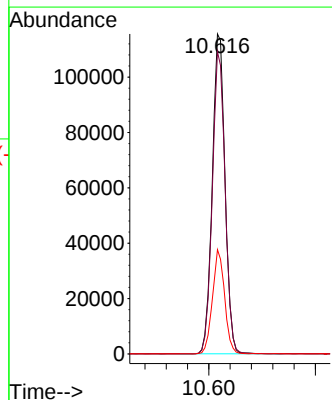
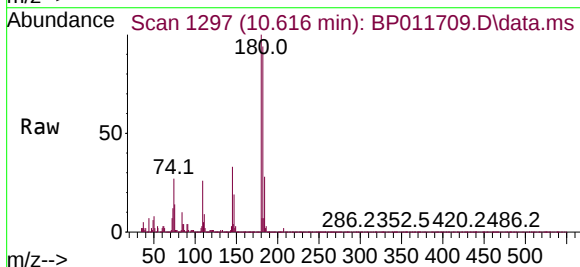
Manual Integrations
APPROVED

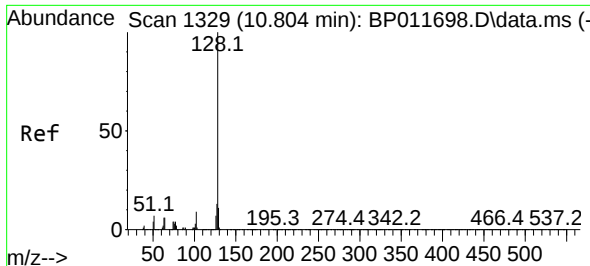
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#30
1,2,4-Trichlorobenzene
Concen: 7.572 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

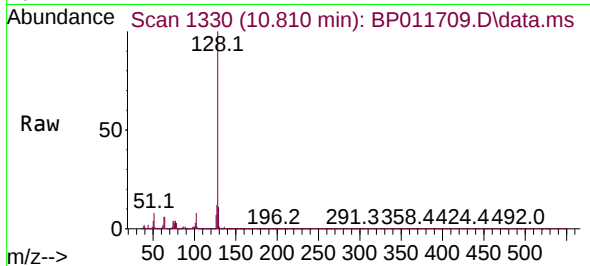
Tgt Ion:180 Resp: 191802
Ion Ratio Lower Upper
180 100
182 94.4 78.0 117.0
145 32.6 24.6 36.8





#31
Naphthalene
Concen: 7.732 ng
RT: 10.810 min Scan# 1190
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

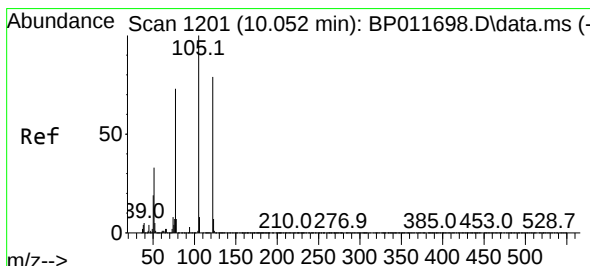
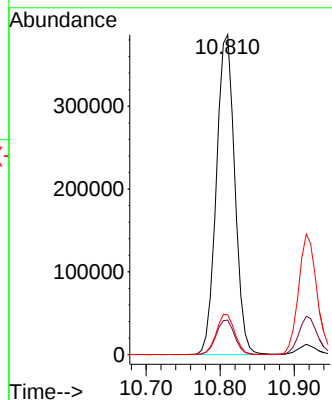
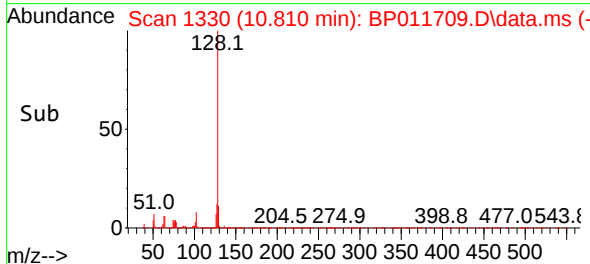
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:128 Resp: 66454
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.4 10.3 15.5

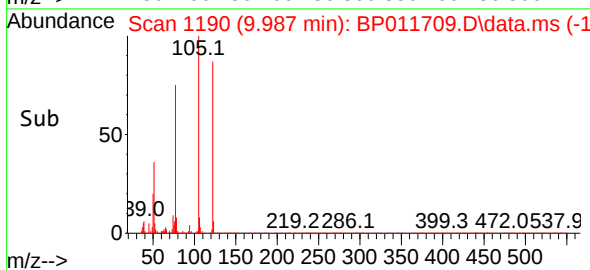
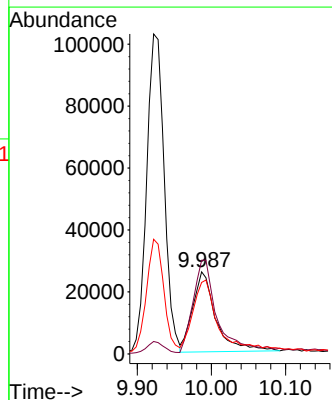
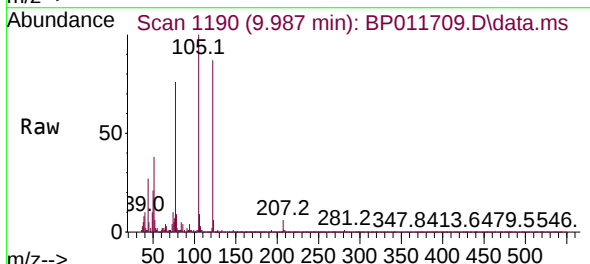
Manual Integrations
APPROVED

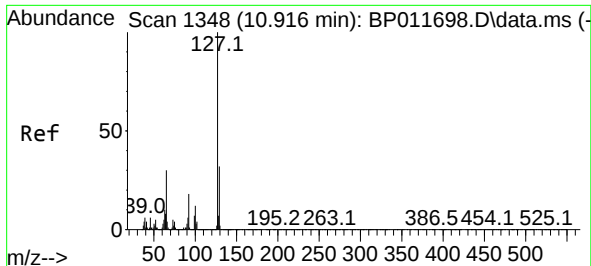
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#32
Benzoic acid
Concen: 3.656 ng
RT: 9.987 min Scan# 1190
Delta R.T. -0.065 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

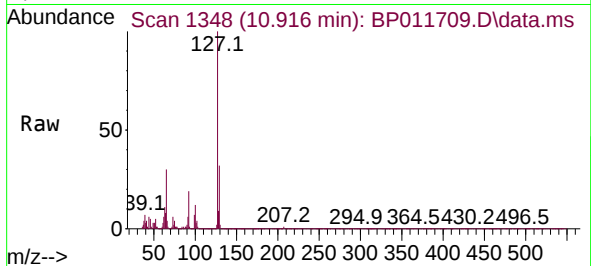
Tgt Ion:122 Resp: 56502
Ion Ratio Lower Upper
122 100
105 114.3 112.6 152.6
77 87.2 90.2 130.2





#33
4-Chloroaniline
Concen: 7.543 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

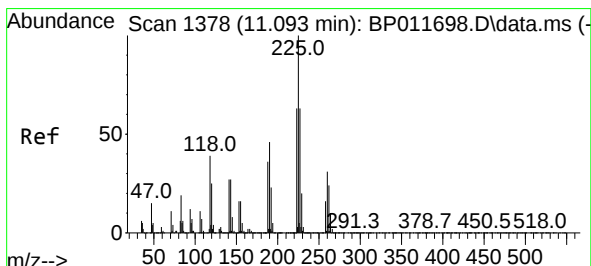
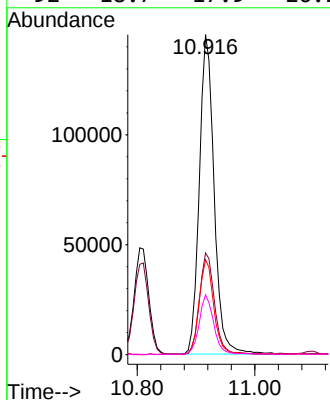
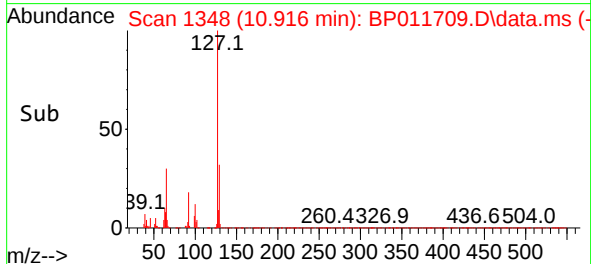
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:127 Resp: 254346
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 29.7 30.4 45.6
92 18.7 17.9 26.9

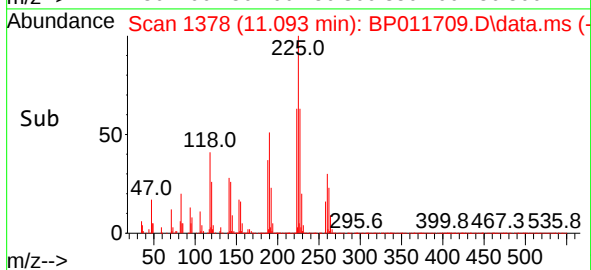
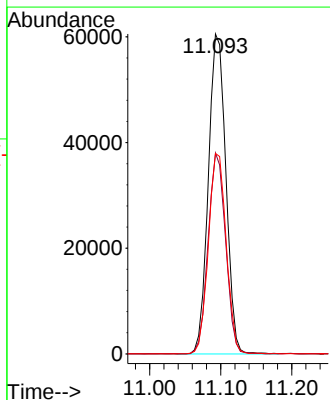
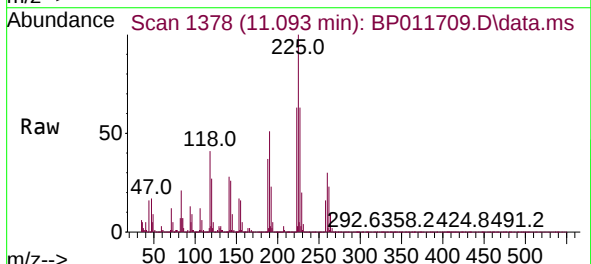
Manual Integrations
APPROVED

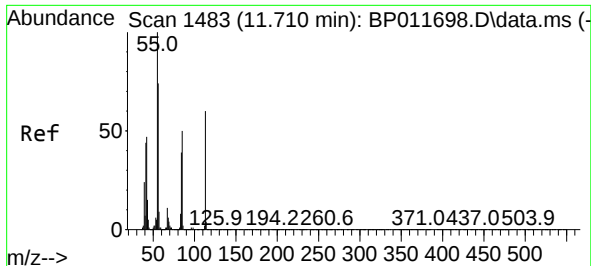
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#34
Hexachlorobutadiene
Concen: 7.438 ng
RT: 11.093 min Scan# 1378
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

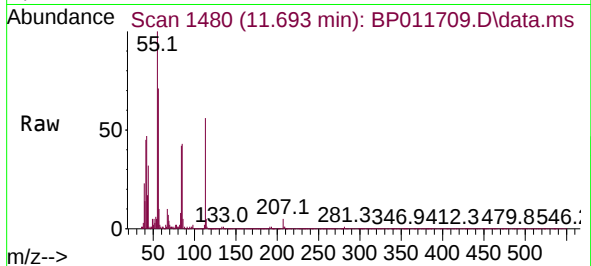
Tgt Ion:225 Resp: 103783
Ion Ratio Lower Upper
225 100
223 62.8 52.2 78.4
227 62.6 50.8 76.2





#35
Caprolactam
Concen: 5.590 ng
RT: 11.693 min Scan# 1483
Delta R.T. -0.018 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

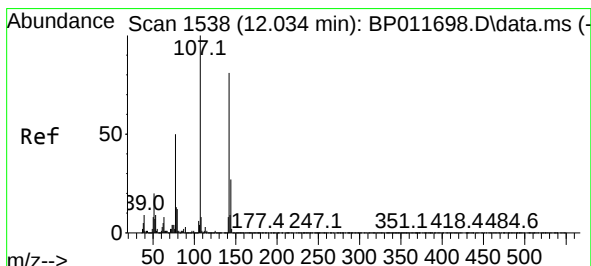
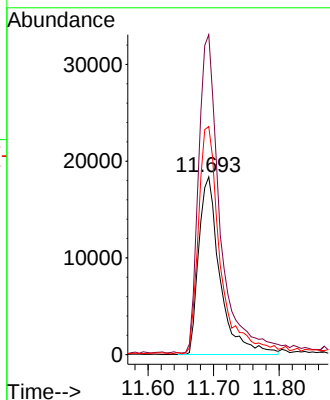
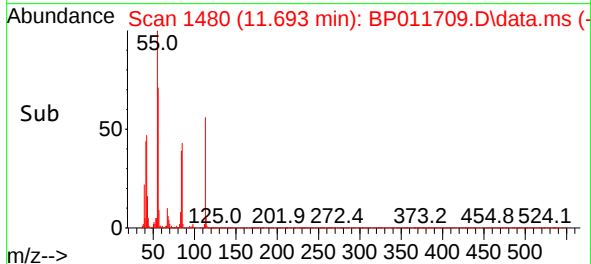
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:113 Resp: 41439
Ion Ratio Lower Upper
113 100
55 180.1 198.6 238.6
56 128.4 142.7 182.7

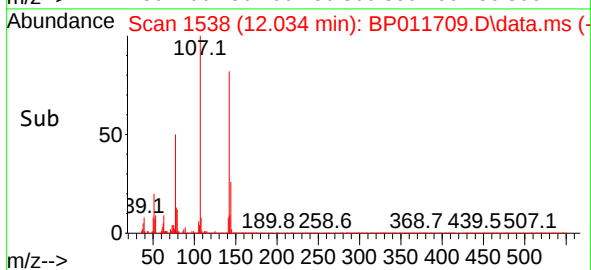
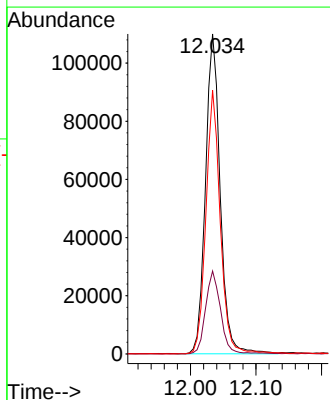
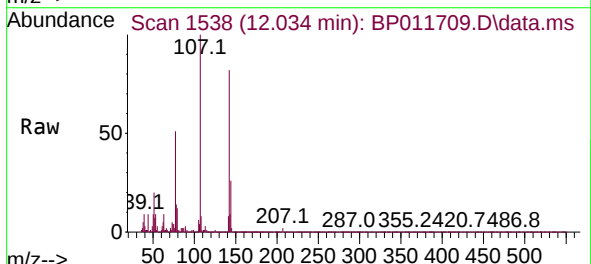
Manual Integrations
APPROVED

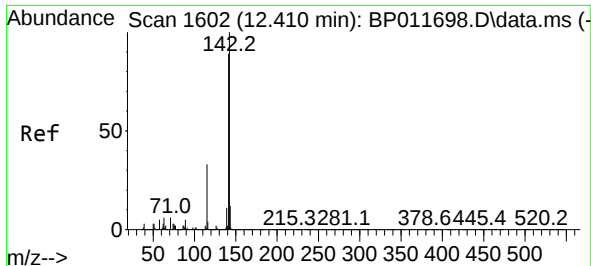
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#36
4-Chloro-3-methylphenol
Concen: 6.944 ng
RT: 12.034 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

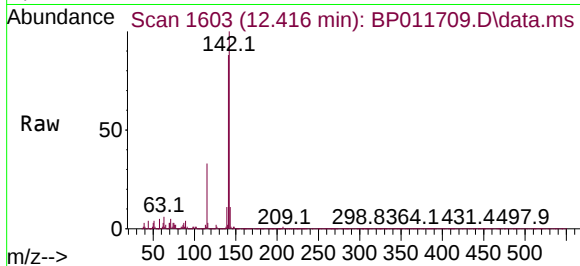
Tgt Ion:107 Resp: 170854
Ion Ratio Lower Upper
107 100
144 25.9 19.8 29.6
142 82.4 59.0 88.4





#37
2-Methylnaphthalene
Concen: 7.533 ng
RT: 12.416 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

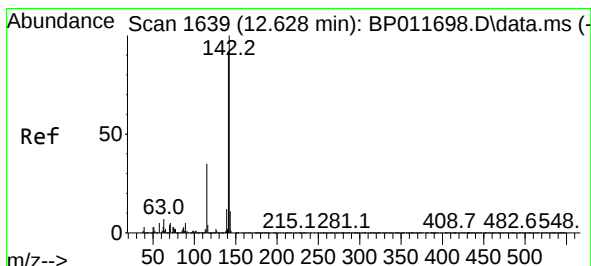
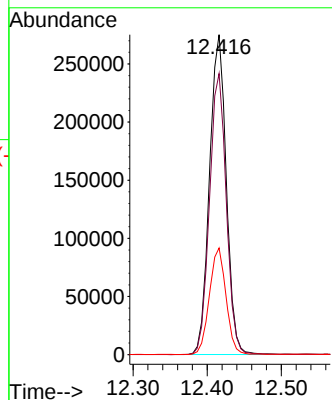
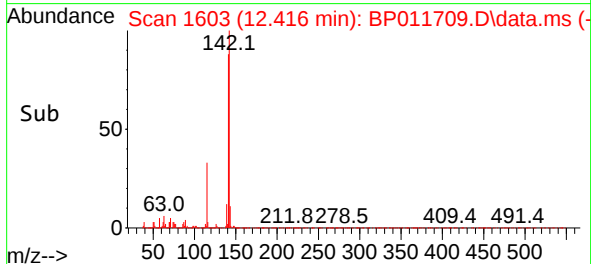
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



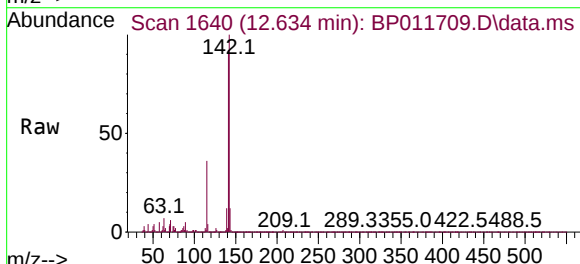
Tgt Ion:142 Resp: 433284
Ion Ratio Lower Upper
142 100
141 87.8 71.3 106.9
115 33.3 31.4 47.2

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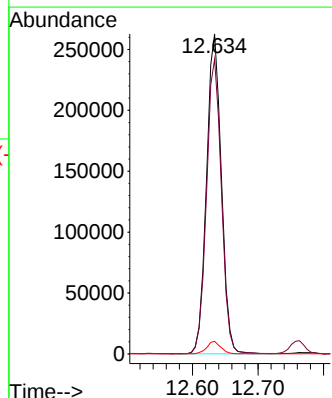
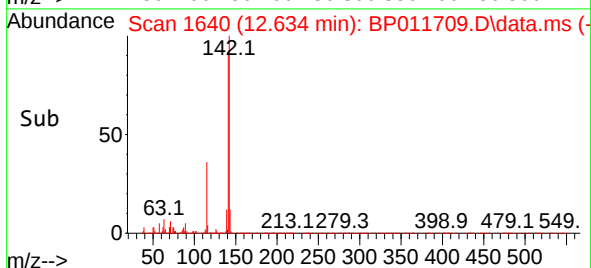
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

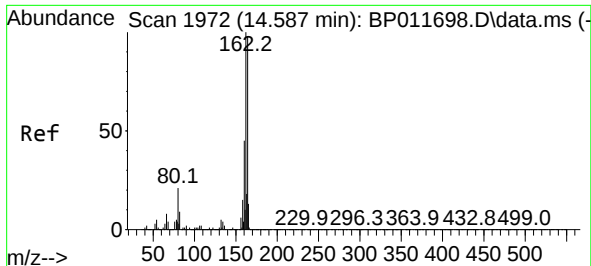


#38
1-Methylnaphthalene
Concen: 7.318 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



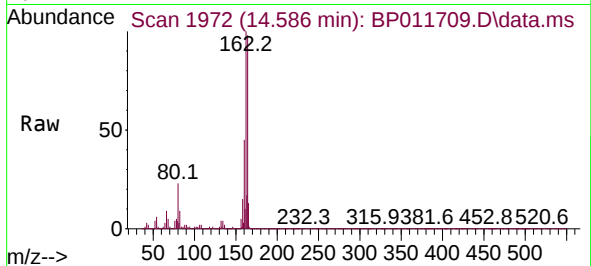
Tgt Ion:142 Resp: 411555
Ion Ratio Lower Upper
142 100
141 92.1 72.6 108.8
116 3.9 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

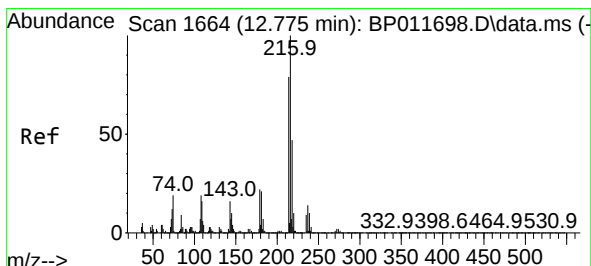
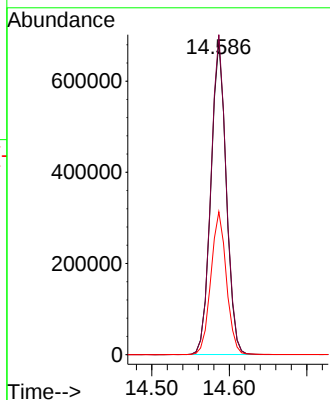
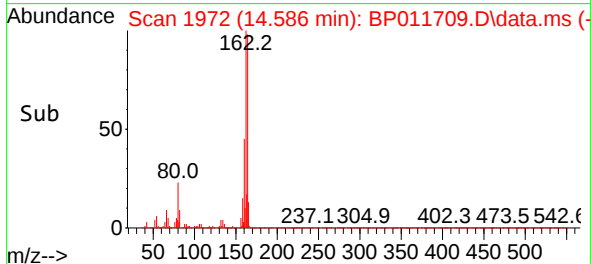
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



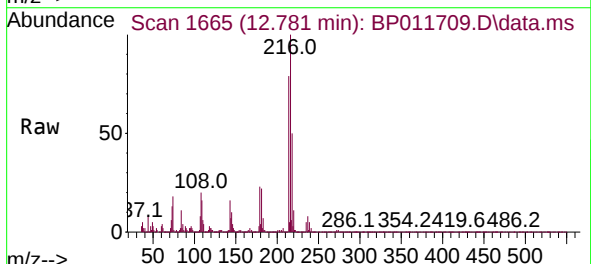
Tgt Ion:164 Resp: 945546
Ion Ratio Lower Upper
164 100
162 102.1 81.9 122.9
160 45.5 34.6 51.8

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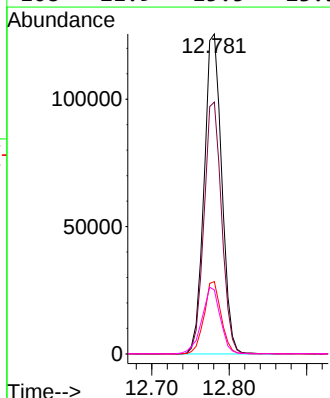
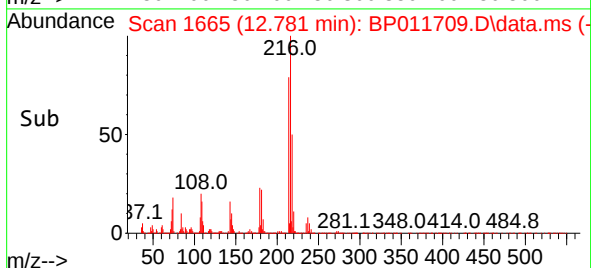
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

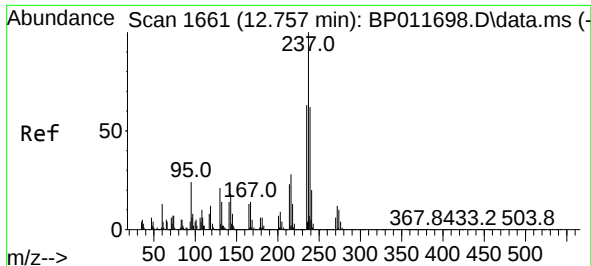


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.954 ng
RT: 12.781 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



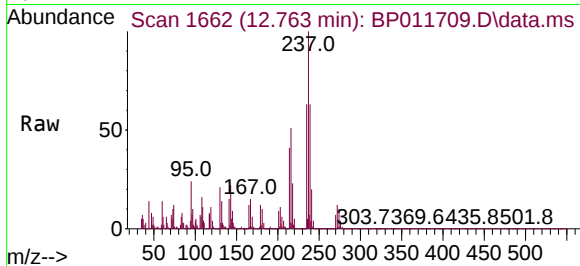
Tgt Ion:216 Resp: 198500
Ion Ratio Lower Upper
216 100
214 78.7 61.9 92.9
179 21.9 17.0 25.6
108 21.9 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 8.713 ng
RT: 12.763 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

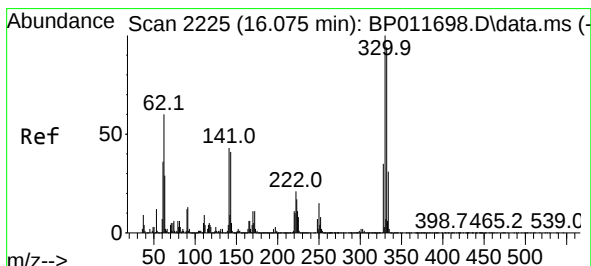
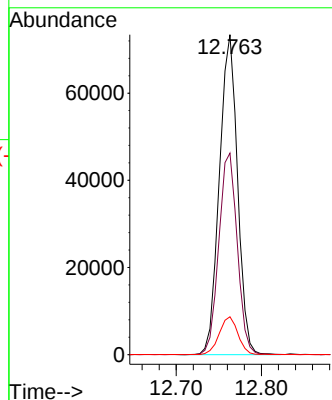
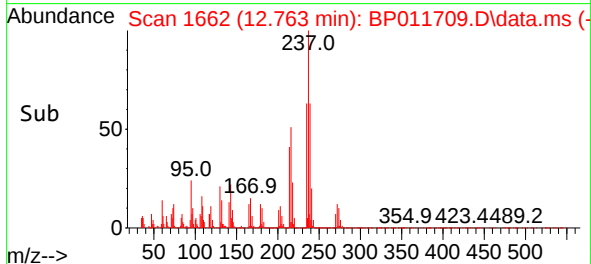
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



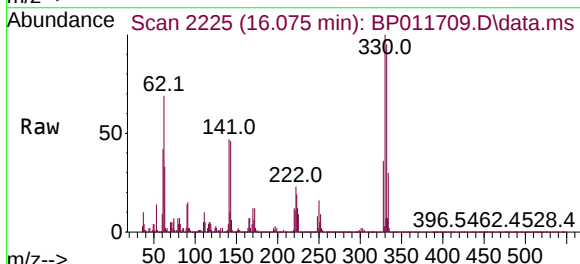
Tgt Ion: 237 Resp: 108532
Ion Ratio Lower Upper
237 100
235 63.0 43.3 83.3
272 11.8 0.0 33.0

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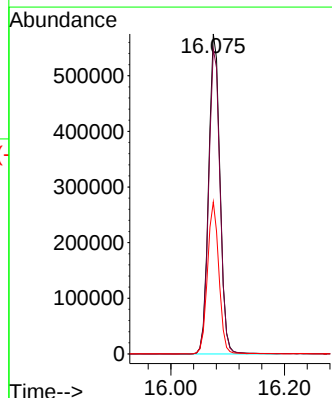
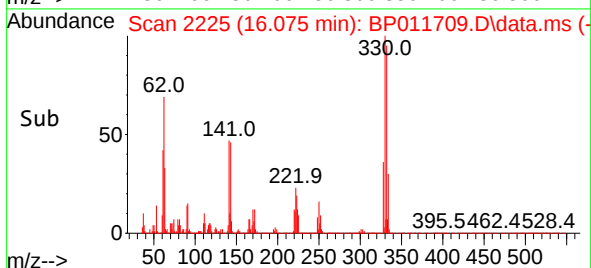
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

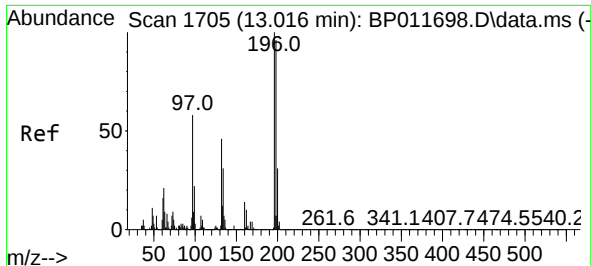


#42
2,4,6-Tribromophenol
Concen: 108.350 ng
RT: 16.075 min Scan# 2225
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



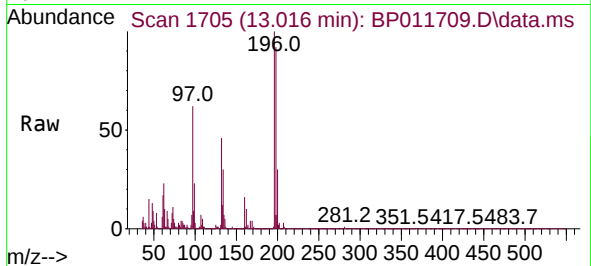
Tgt Ion: 330 Resp: 800482
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 47.6 31.4 47.2#





#43
2,4,6-Trichlorophenol
Concen: 6.518 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

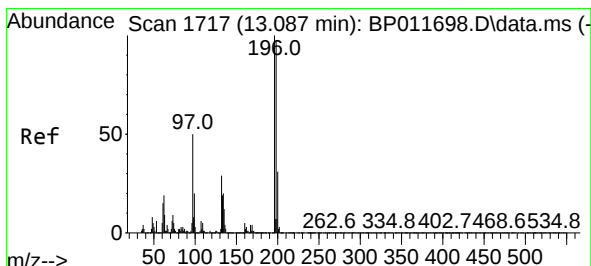
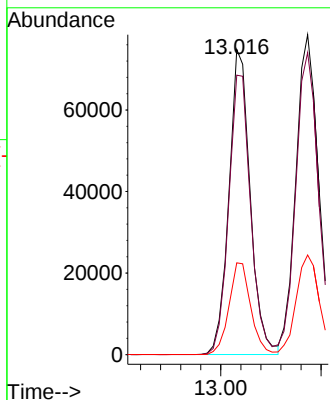
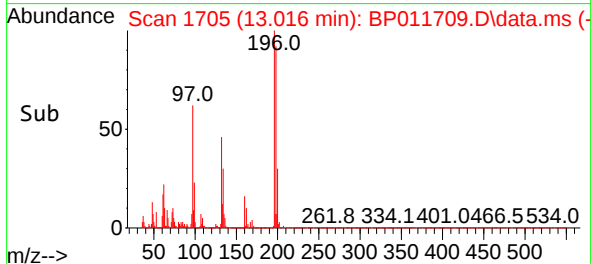
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:196 Resp: 110648
Ion Ratio Lower Upper
196 100
198 91.6 77.7 116.5
200 30.1 25.5 38.3

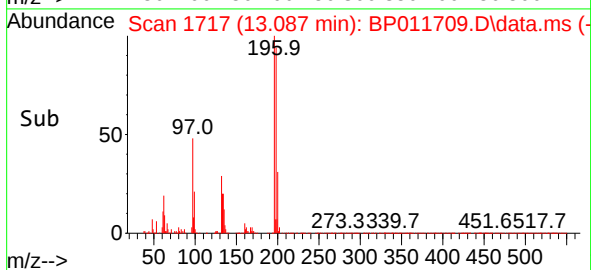
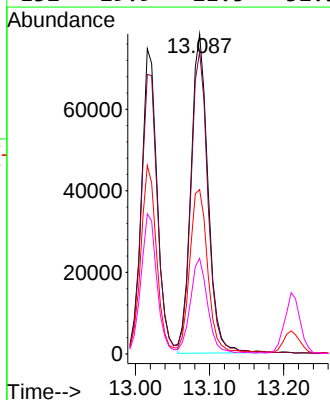
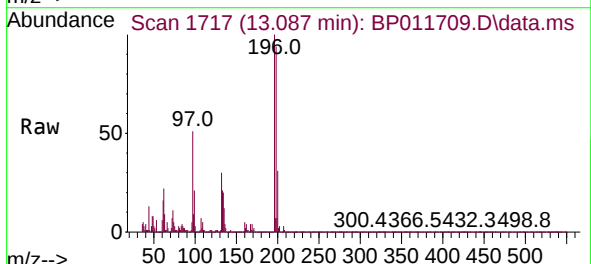
Manual Integrations
APPROVED

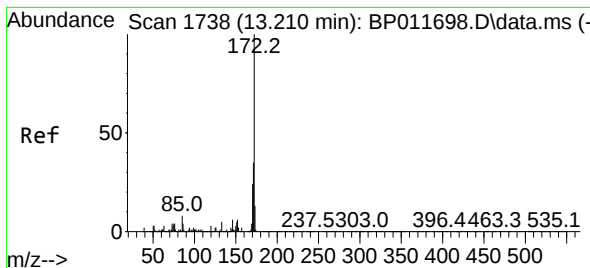
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#44
2,4,5-Trichlorophenol
Concen: 6.622 ng
RT: 13.087 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

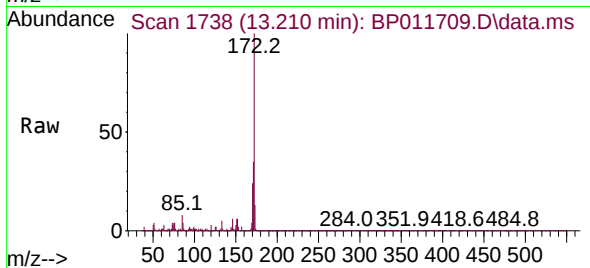
Tgt Ion:196 Resp: 125687
Ion Ratio Lower Upper
196 100
198 94.4 75.7 113.5
97 51.3 42.4 63.6
132 29.9 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 75.729 ng
RT: 13.210 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

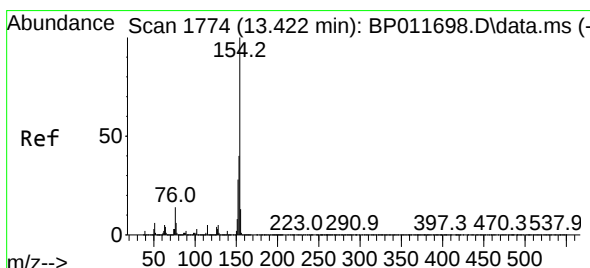
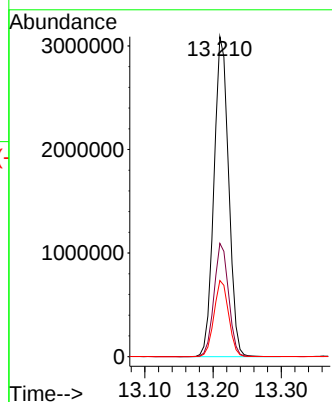
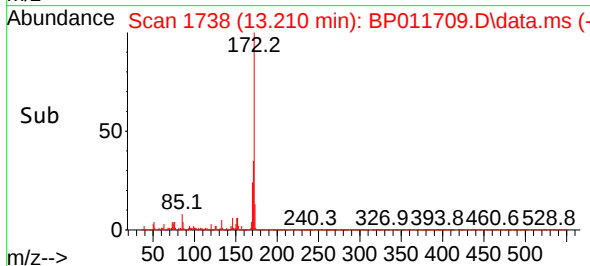
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



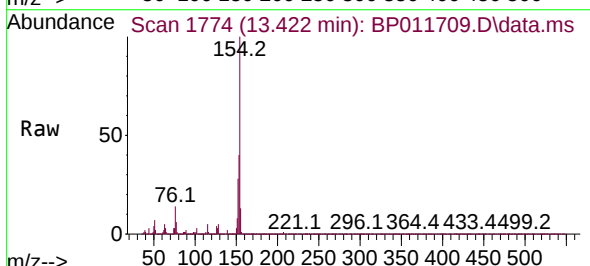
Tgt Ion:172 Resp: 460652
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.8 18.2 27.2

Manual Integrations
APPROVED

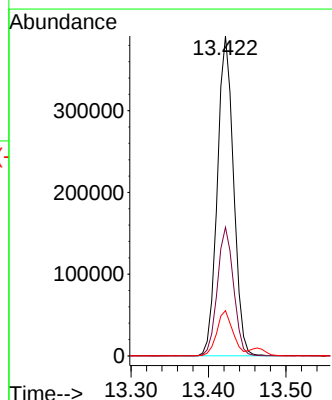
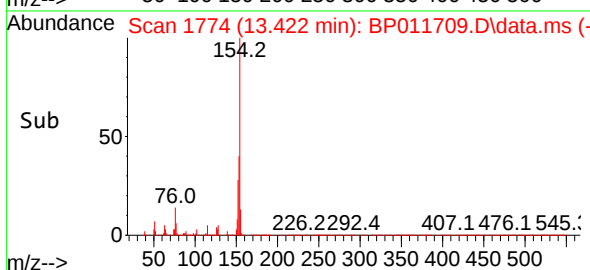
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

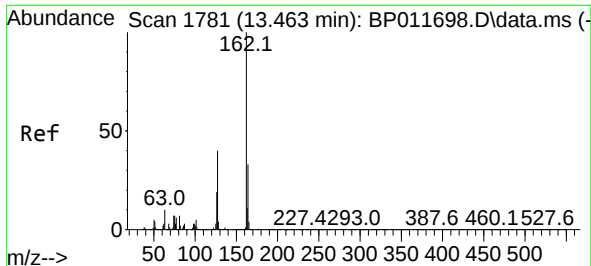


#46
1,1'-Biphenyl
Concen: 8.257 ng
RT: 13.422 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



Tgt Ion:154 Resp: 567972
Ion Ratio Lower Upper
154 100
153 40.2 20.1 60.1
76 14.1 0.0 33.2





#47

2-Chloronaphthalene

Concen: 7.809 ng

RT: 13.463 min Scan# 1781

Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

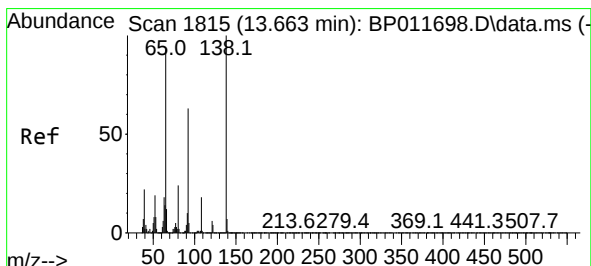
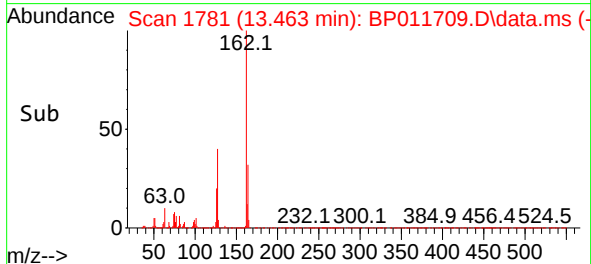
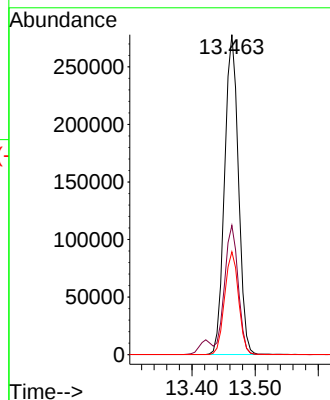
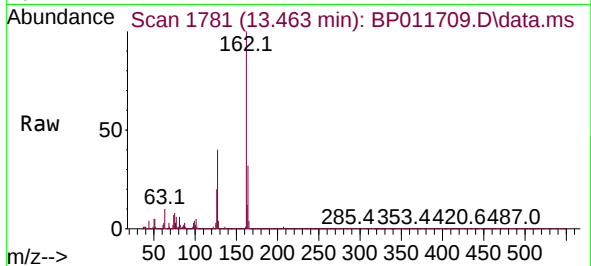
Tgt Ion:	162	Resp:	422616
Ion Ratio	Lower	Upper	
162	100		
127	40.4	32.4	48.6
164	32.1	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#48

2-Nitroaniline

Concen: 6.145 ng

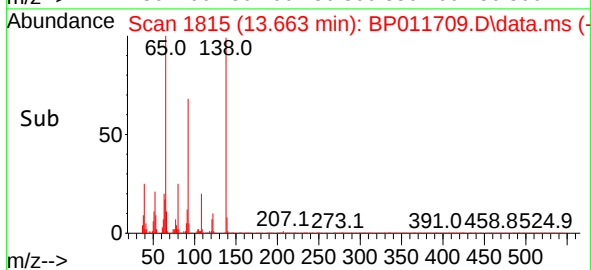
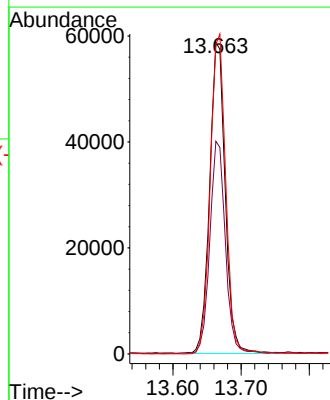
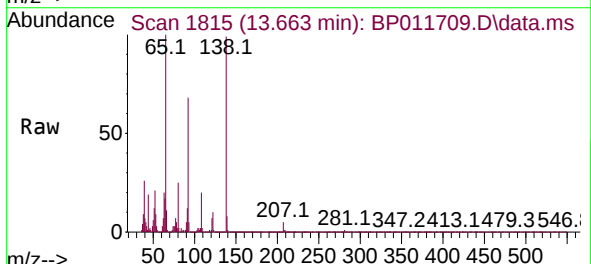
RT: 13.663 min Scan# 1815

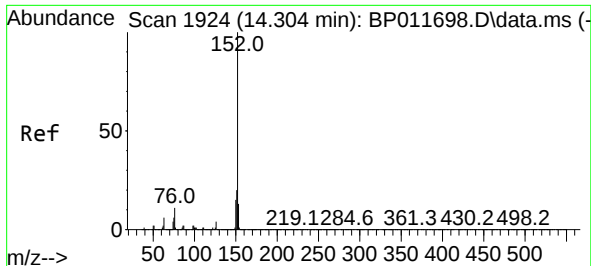
Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Tgt Ion:	65	Resp:	93270
Ion Ratio	Lower	Upper	
65	100		
92	68.2	50.0	75.0
138	99.1	71.2	106.8





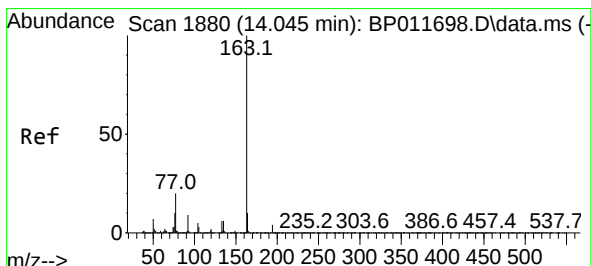
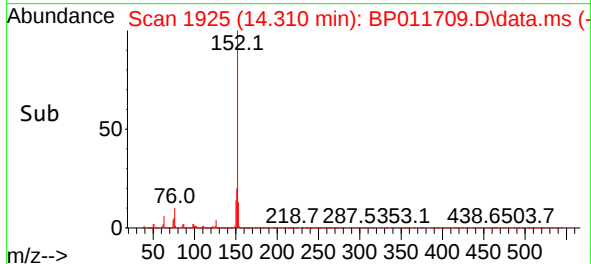
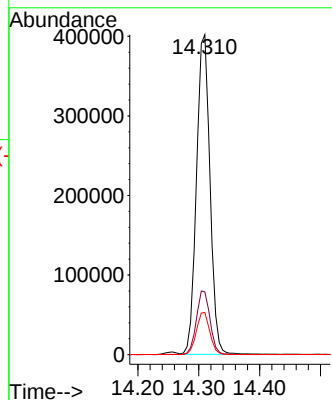
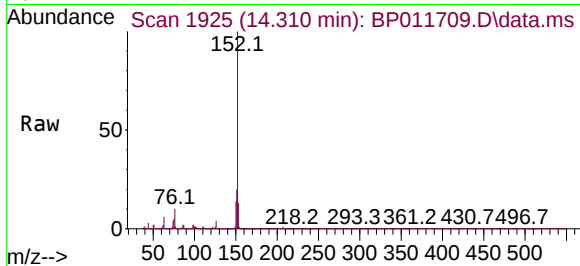
#49
Acenaphthylene
Concen: 7.375 ng
RT: 14.310 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:152 Resp: 617556
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.4 15.6

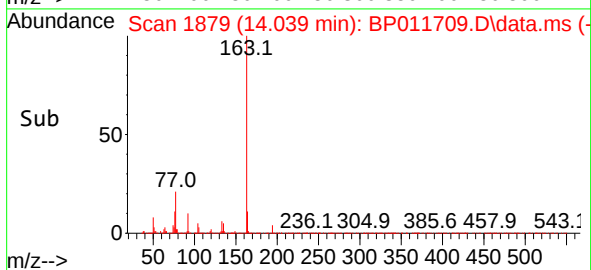
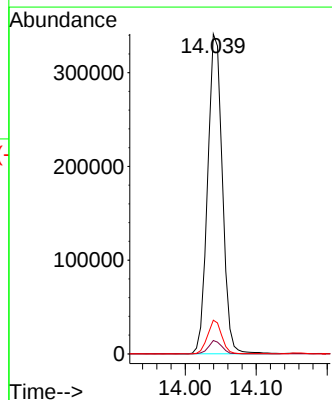
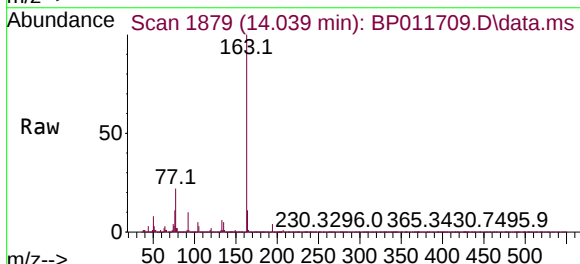
Manual Integrations
APPROVED

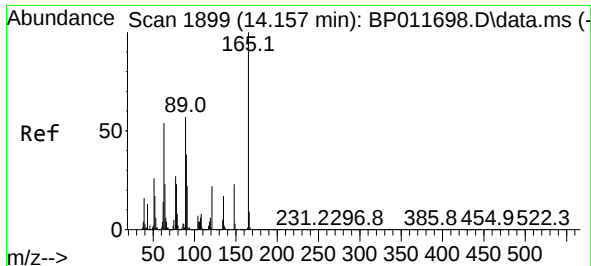
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#50
Dimethylphthalate
Concen: 7.424 ng
RT: 14.039 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:163 Resp: 489717
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.5 8.2 12.4





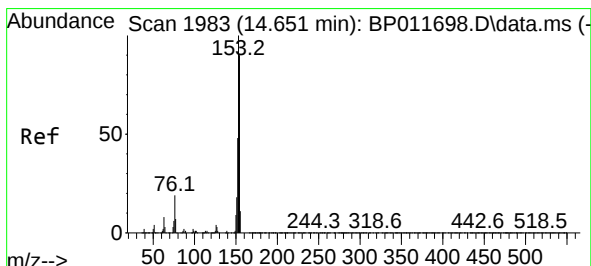
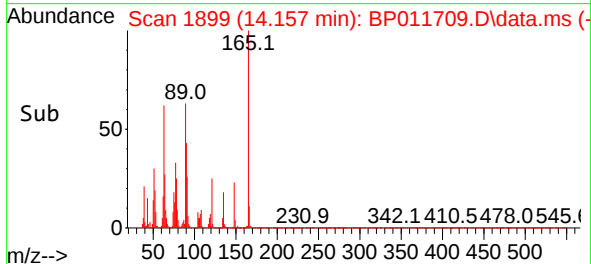
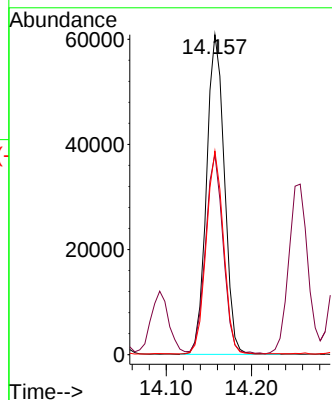
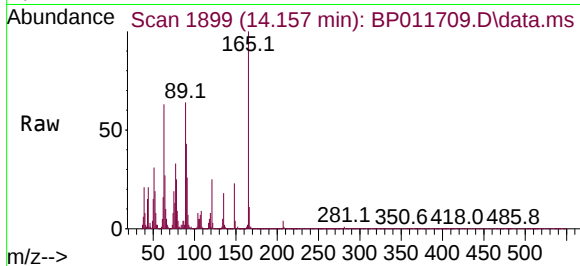
#51
2,6-Dinitrotoluene
Concen: 6.615 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:165 Resp: 88484
Ion Ratio Lower Upper
165 100
63 62.6 57.3 85.9
89 63.6 50.2 75.2

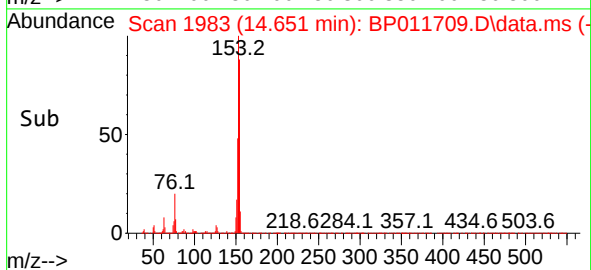
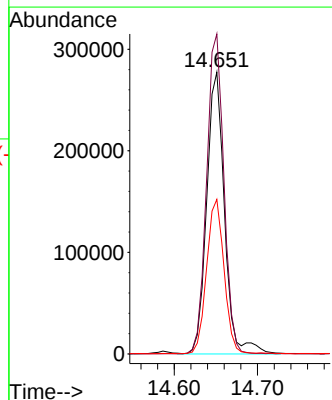
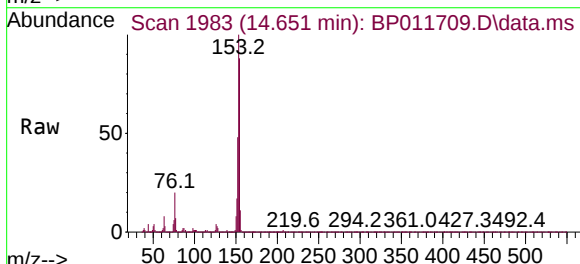
Manual Integrations
APPROVED

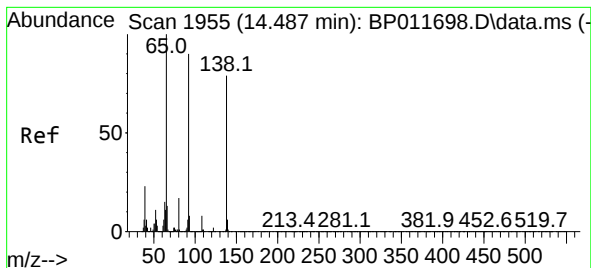
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#52
Acenaphthene
Concen: 7.422 ng m
RT: 14.651 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:154 Resp: 413436
Ion Ratio Lower Upper
154 100
153 113.6 87.4 131.2
152 54.8 41.7 62.5





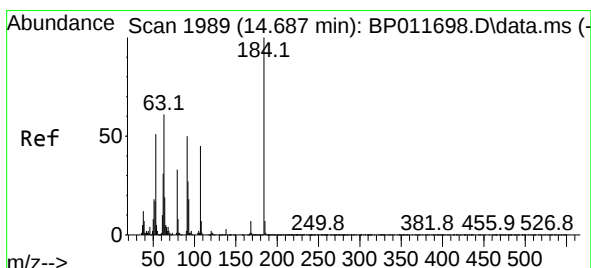
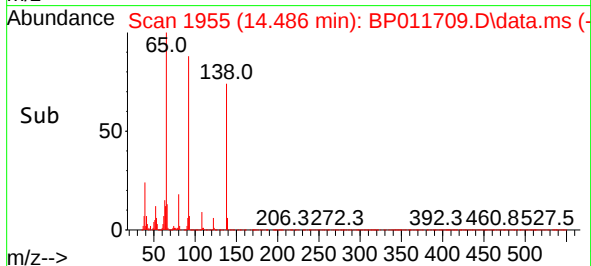
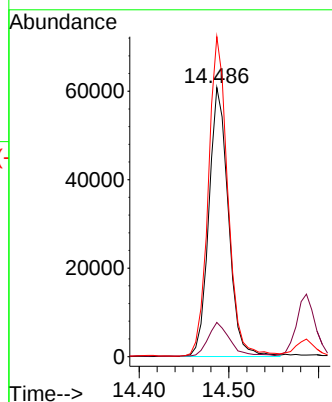
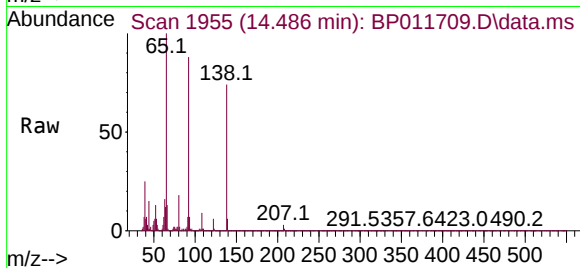
#53
3-Nitroaniline
Concen: 5.960 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.001 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:138 Resp: 91933
Ion Ratio Lower Upper
138 100
108 12.7 9.5 14.3
92 118.9 99.9 149.9

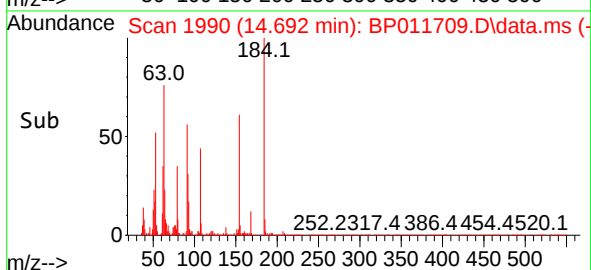
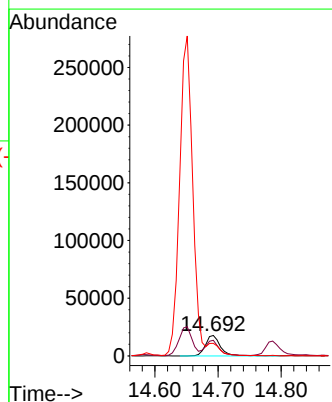
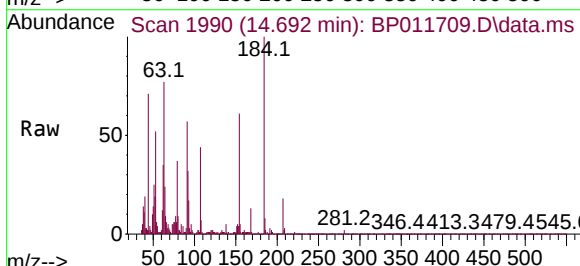
Manual Integrations
APPROVED

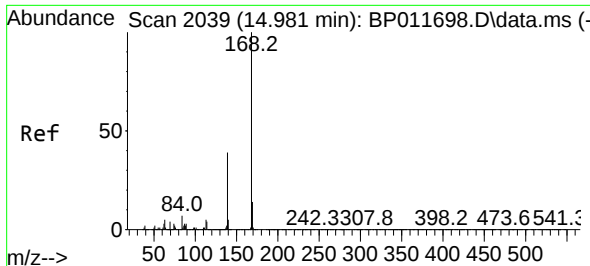
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#54
2,4-Dinitrophenol
Concen: 4.455 ng
RT: 14.692 min Scan# 1990
Delta R.T. 0.005 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:184 Resp: 29026
Ion Ratio Lower Upper
184 100
63 76.6 65.4 98.2
154 61.4 55.4 83.2





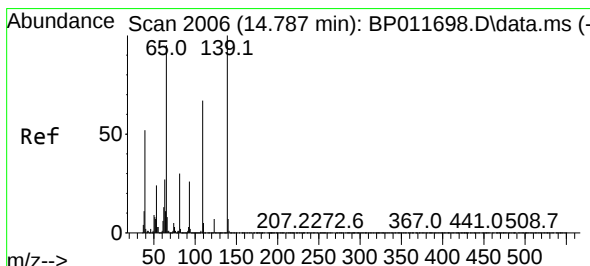
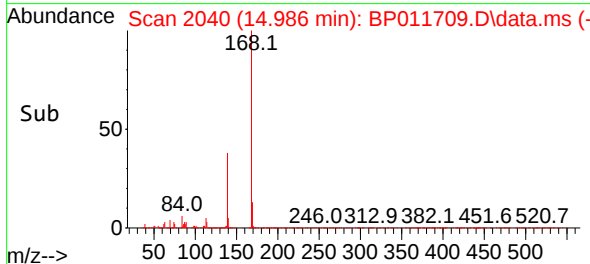
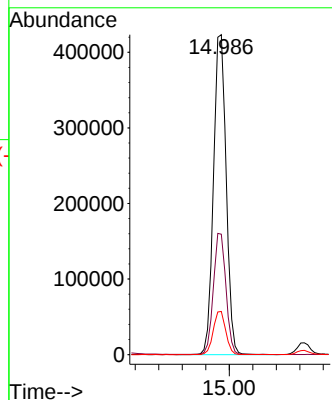
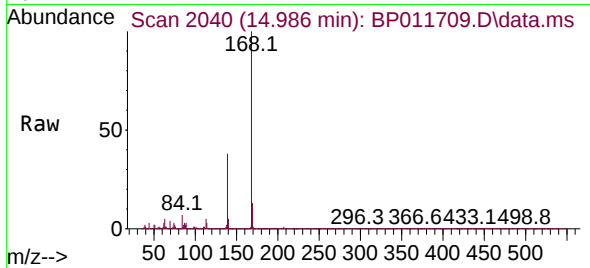
#55
Dibenzofuran
Concen: 7.888 ng
RT: 14.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:168 Resp: 632768
Ion Ratio Lower Upper
168 100
139 37.6 31.5 47.3
169 13.5 10.3 15.5

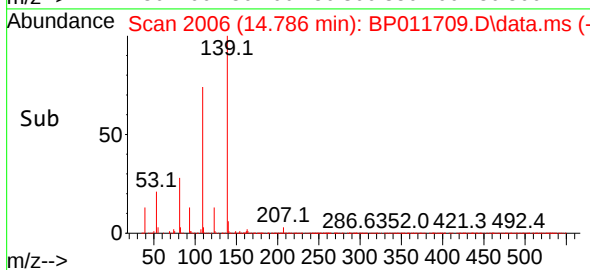
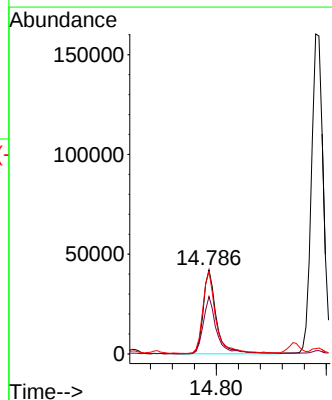
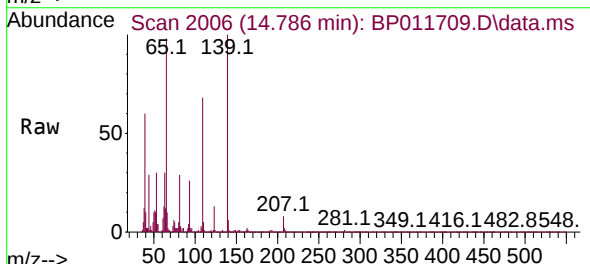
Manual Integrations
APPROVED

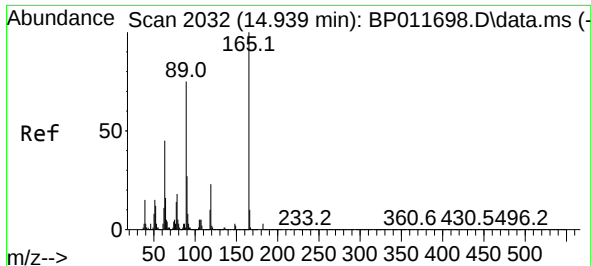
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#56
4-Nitrophenol
Concen: 5.286 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:139 Resp: 68704
Ion Ratio Lower Upper
139 100
109 68.2 70.6 110.6#
65 98.2 106.6 146.6#





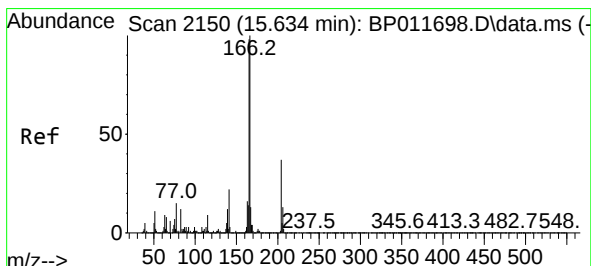
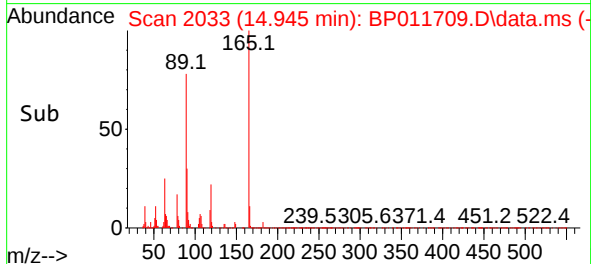
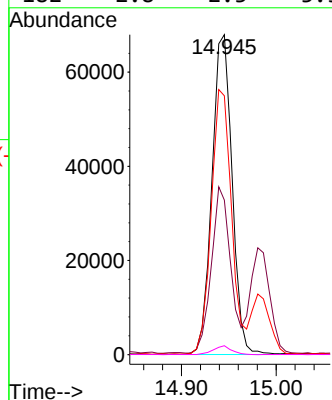
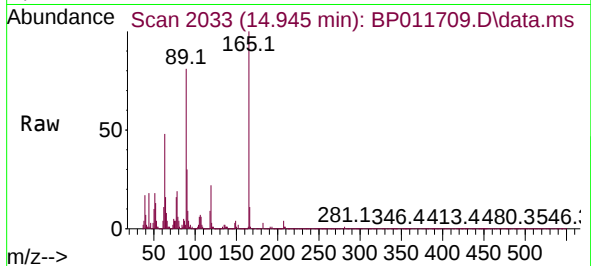
#57
2,4-Dinitrotoluene
Concen: 5.799 ng
RT: 14.945 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:165 Resp: 100478
Ion Ratio Lower Upper
165 100
63 48.3 46.2 69.2
89 80.9 65.8 98.8
182 2.8 2.3 3.5

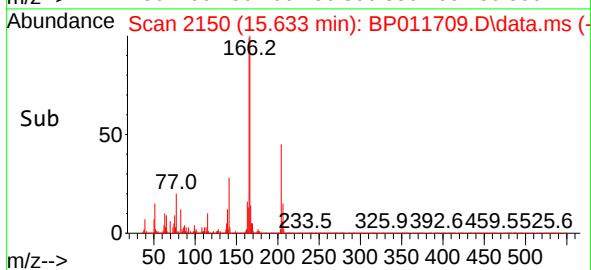
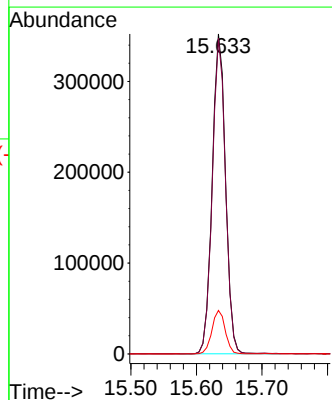
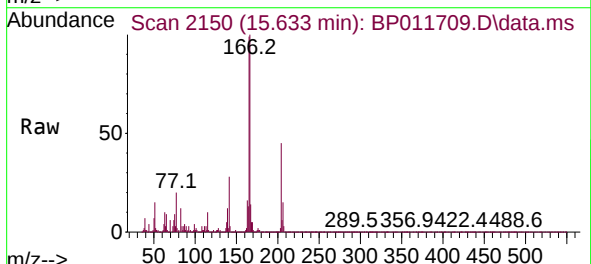
Manual Integrations
APPROVED

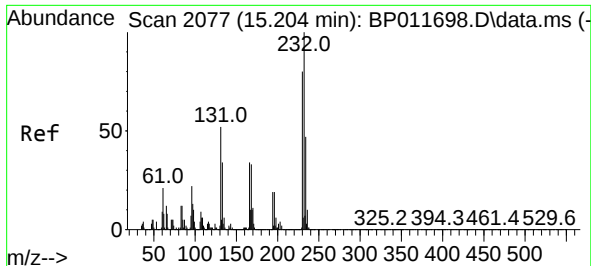
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#58
Fluorene
Concen: 7.649 ng
RT: 15.633 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

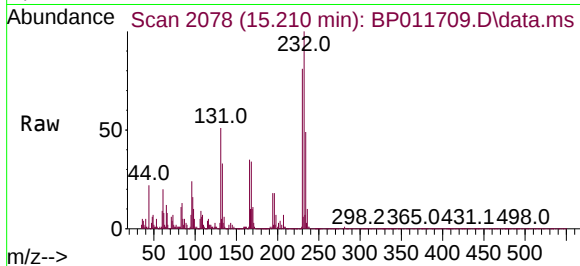
Tgt Ion:166 Resp: 497648
Ion Ratio Lower Upper
166 100
165 98.6 77.0 115.4
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.369 ng
RT: 15.210 min Scan# 2078
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

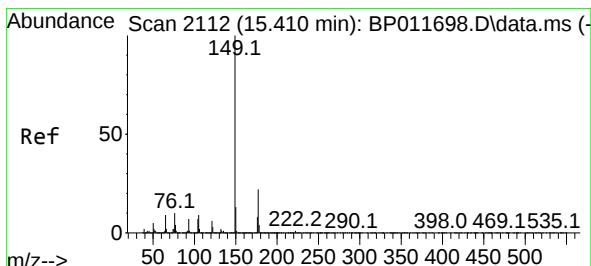
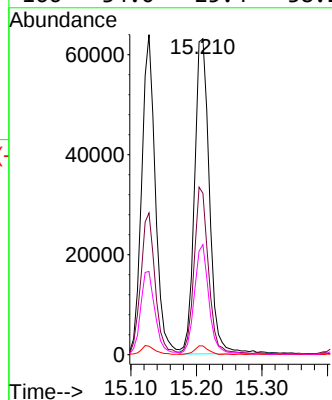
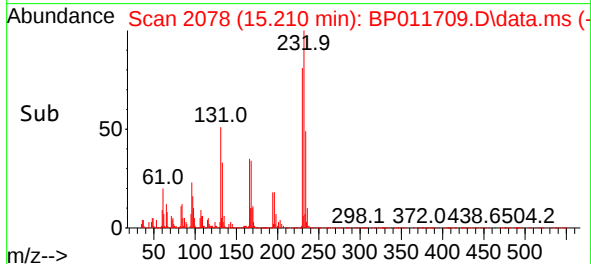
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



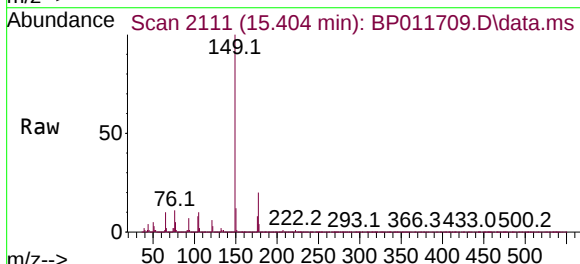
Tgt Ion:232 Resp: 99300
Ion Ratio Lower Upper
232 100
131 50.9 37.0 55.6
130 2.5 2.2 3.2
166 34.0 25.4 38.2

Manual Integrations
APPROVED

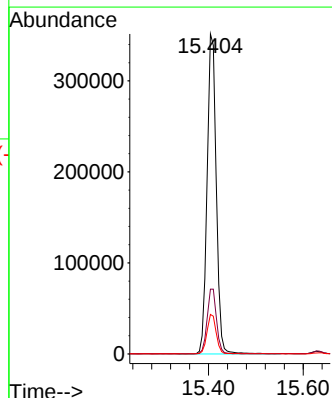
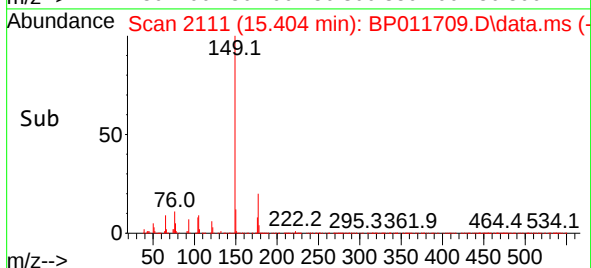
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

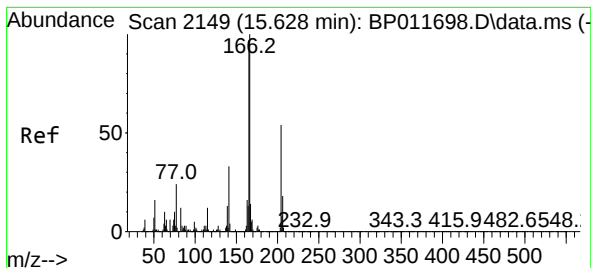


#60
Diethylphthalate
Concen: 7.187 ng
RT: 15.404 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



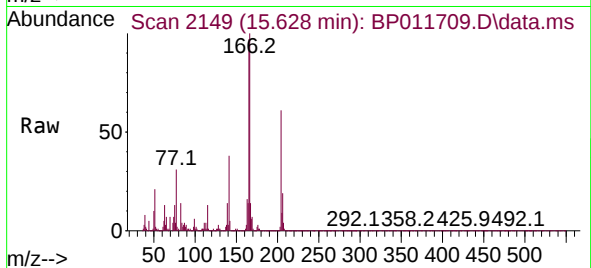
Tgt Ion:149 Resp: 471987
Ion Ratio Lower Upper
149 100
177 20.2 17.8 26.8
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.706 ng
RT: 15.628 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

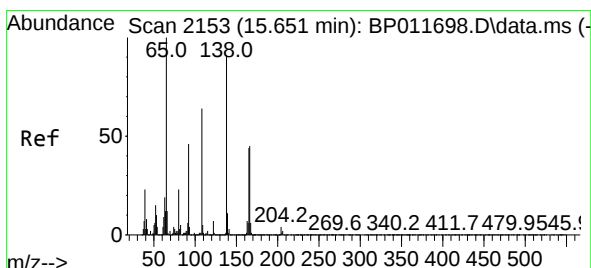
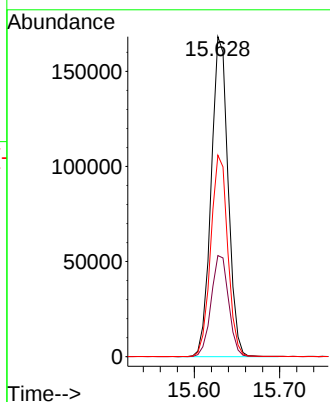
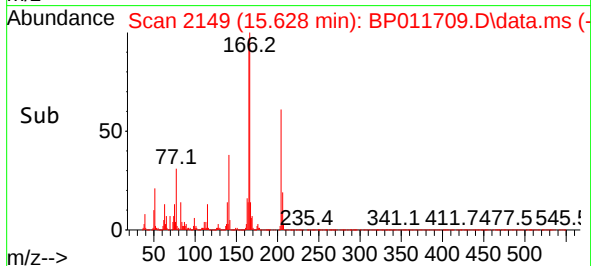
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



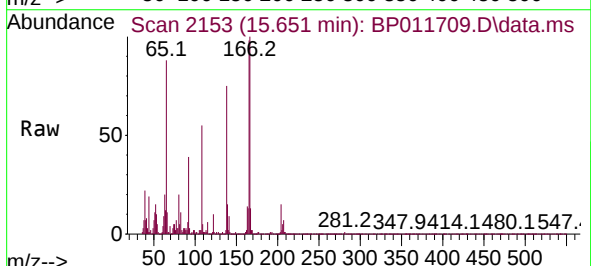
Tgt Ion: 204 Resp: 23175
Ion Ratio Lower Upper
204 100
206 31.6 26.3 39.5
141 62.9 51.1 76.7

Manual Integrations
APPROVED

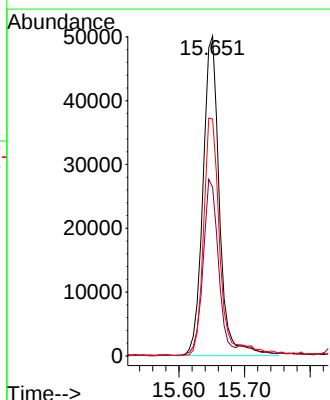
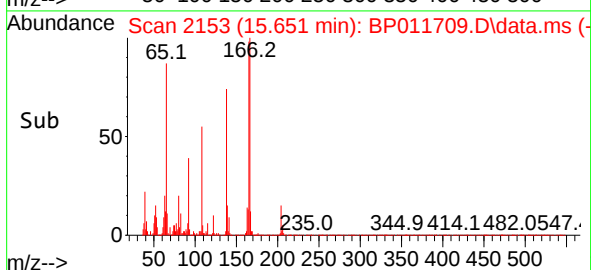
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

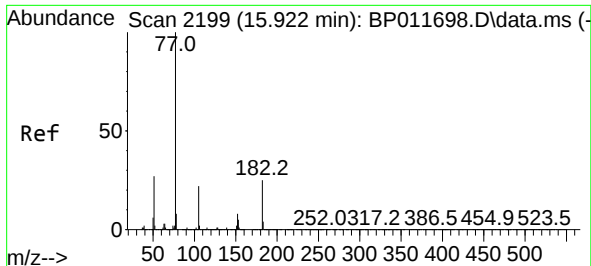


#62
4-Nitroaniline
Concen: 5.623 ng
RT: 15.651 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48



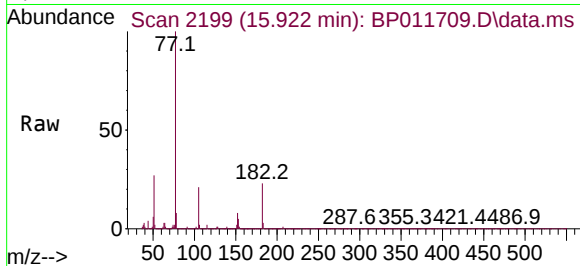
Tgt Ion: 138 Resp: 87186
Ion Ratio Lower Upper
138 100
92 52.7 38.0 78.0
108 74.0 77.6 117.6





#63
Azobenzene
Concen: 7.042 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

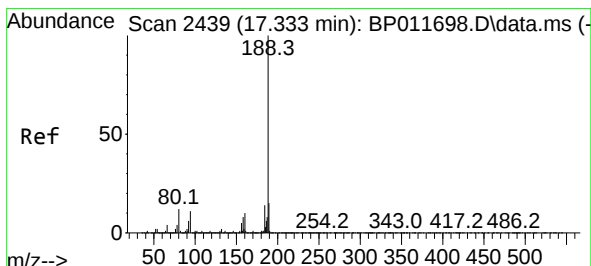
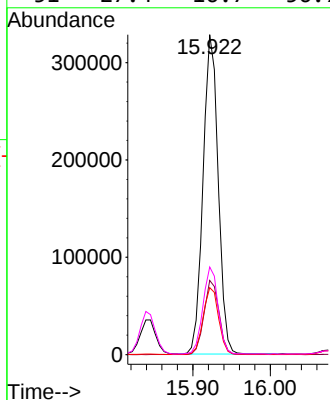
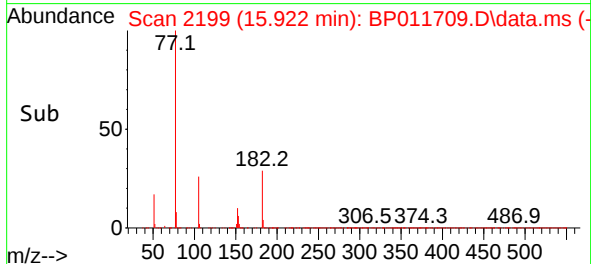
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 77 Resp: 444428
Ion Ratio Lower Upper
77 100
182 23.2 3.0 43.0
105 20.9 0.0 38.6
51 27.4 16.7 56.7

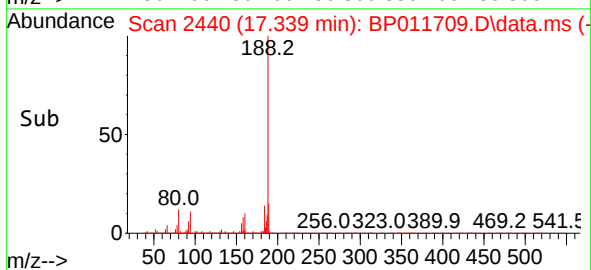
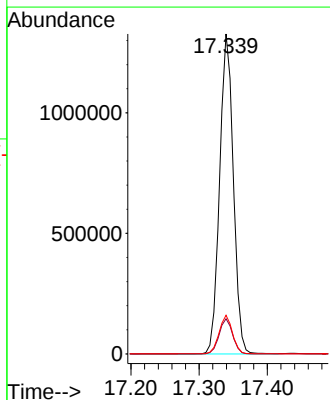
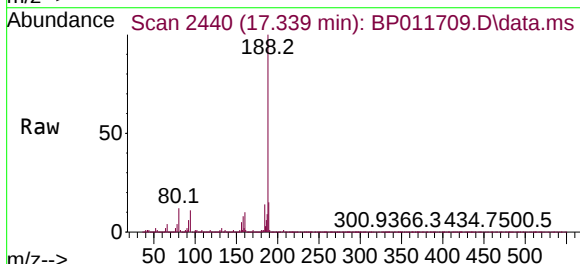
Manual Integrations
APPROVED

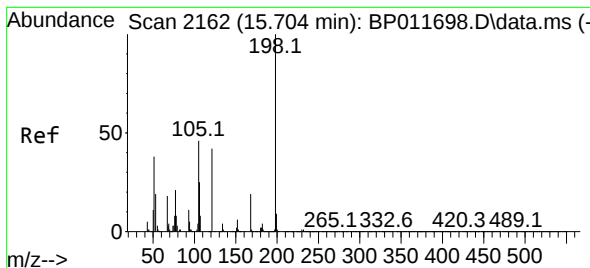
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:188 Resp: 1841390
Ion Ratio Lower Upper
188 100
94 11.0 6.6 10.0#
80 12.1 8.0 12.0#





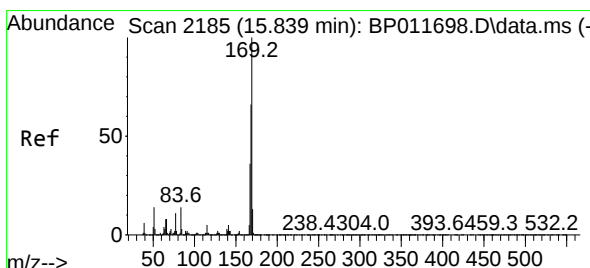
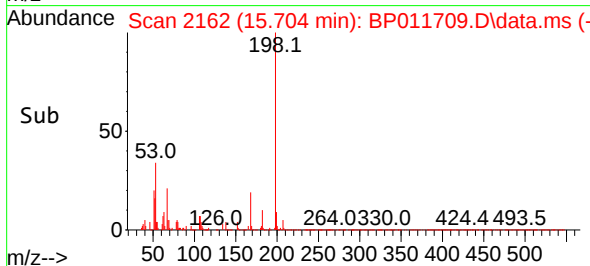
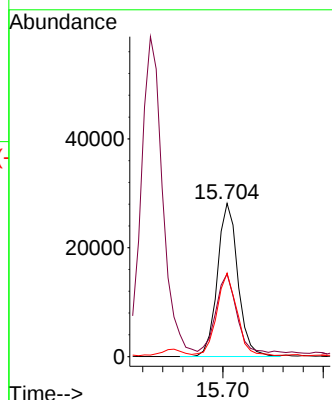
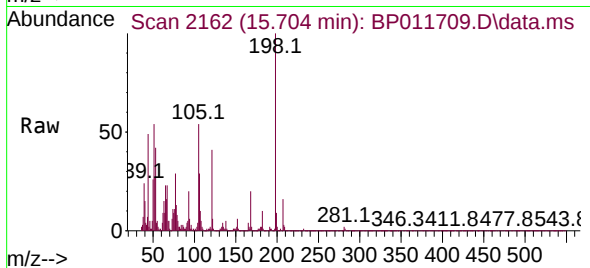
#65
4,6-Dinitro-2-methylphenol
Concen: 4.429 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:198 Resp: 3988
Ion Ratio Lower Upper
198 100
51 53.9 41.2 81.2
105 54.4 25.3 65.3

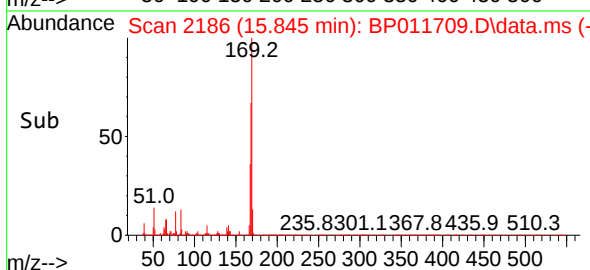
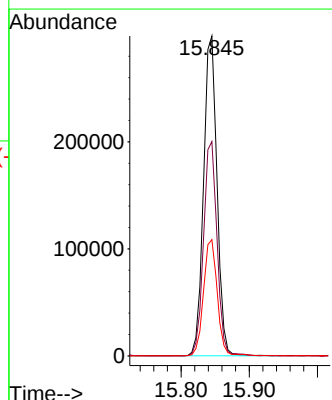
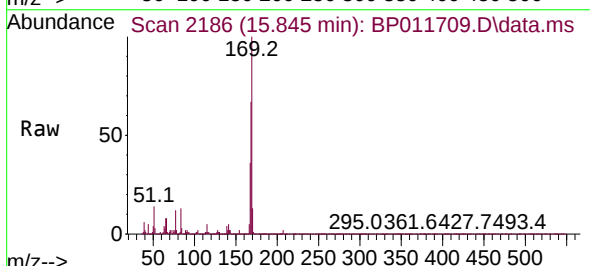
Manual Integrations
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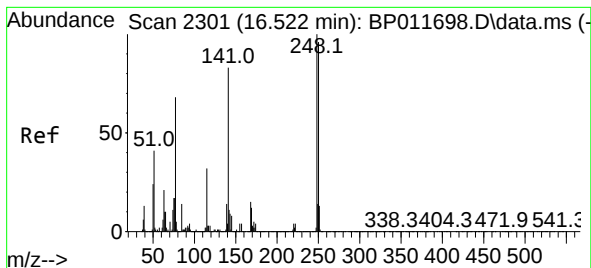
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#66
n-Nitrosodiphenylamine
Concen: 7.486 ng
RT: 15.845 min Scan# 2186
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:169 Resp: 410159
Ion Ratio Lower Upper
169 100
168 67.0 51.8 77.8
167 36.3 28.3 42.5





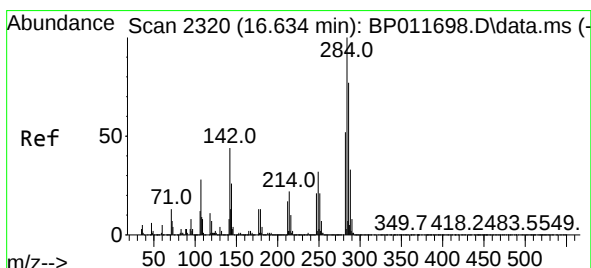
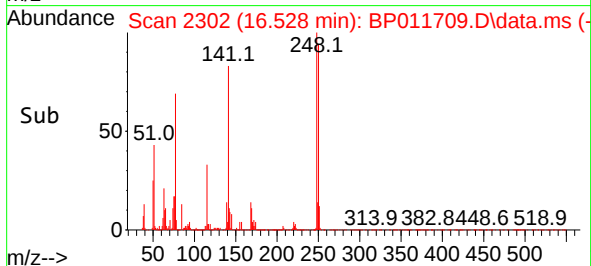
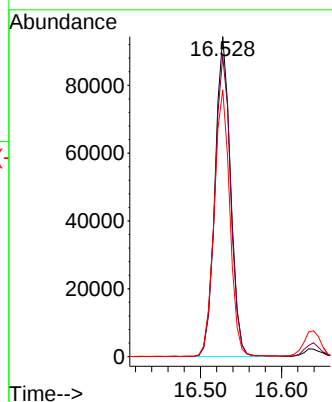
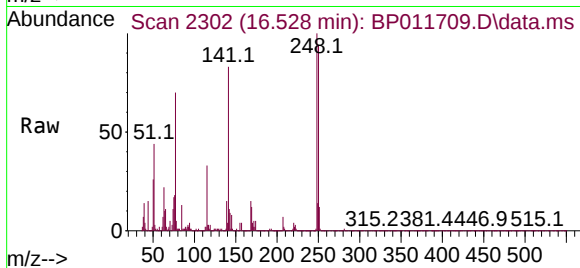
#67
4-Bromophenyl-phenylether
Concen: 7.262 ng
RT: 16.528 min Scan# 2301
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:248 Resp: 125187
Ion Ratio Lower Upper
248 100
250 93.8 77.7 116.5
141 83.4 62.0 93.0

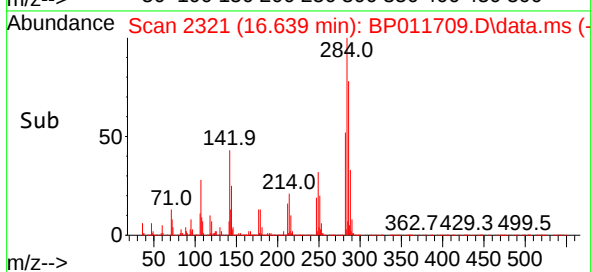
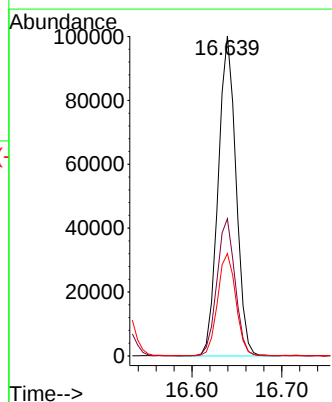
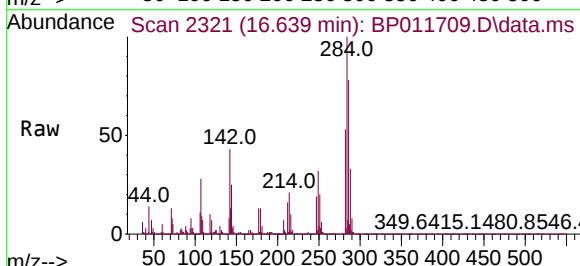
Manual Integrations
APPROVED

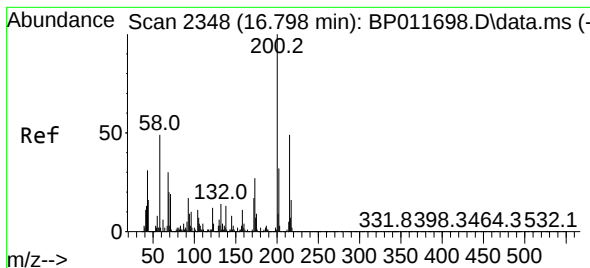
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#68
Hexachlorobenzene
Concen: 7.456 ng
RT: 16.639 min Scan# 2321
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:284 Resp: 138425
Ion Ratio Lower Upper
284 100
142 42.9 30.8 46.2
249 32.0 26.8 40.2





#69

Atrazine

Concen: 7.219 ng

RT: 16.798 min Scan# 2348

Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

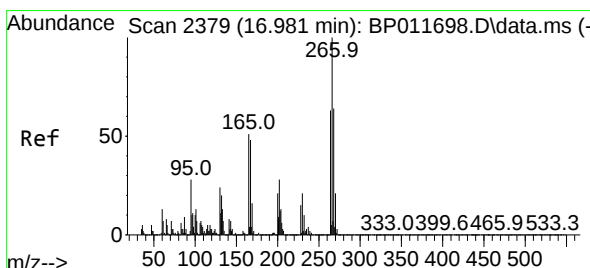
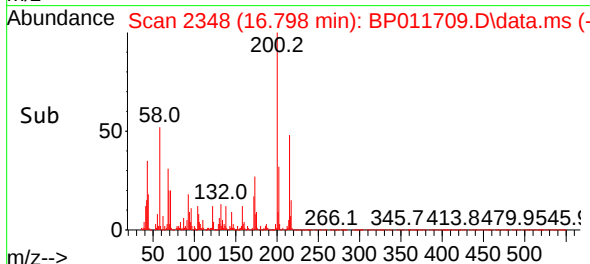
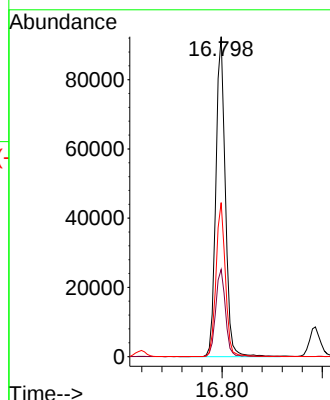
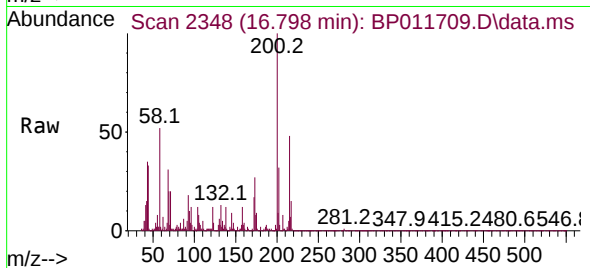
Tgt Ion:200 Resp: 120724
 Ion Ratio Lower Upper
 200 100
 173 27.2 5.3 45.3
 215 48.1 29.4 69.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/16/2022



#70

Pentachlorophenol

Concen: 5.475 ng

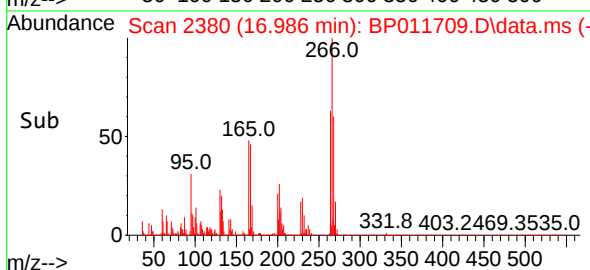
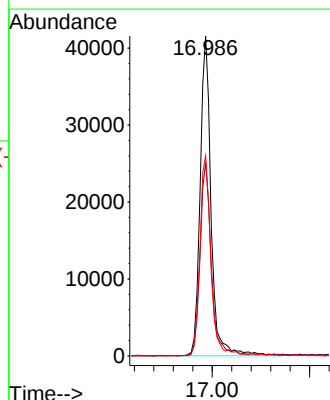
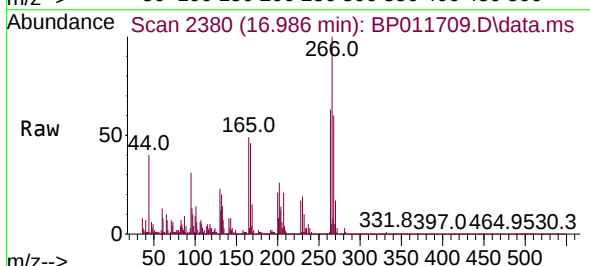
RT: 16.986 min Scan# 2380

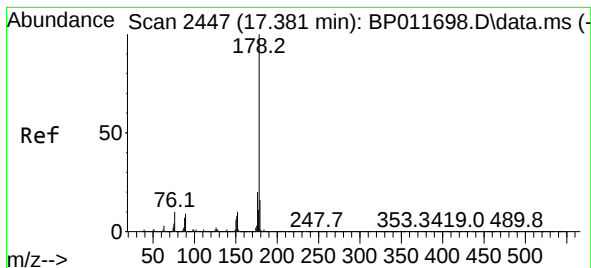
Delta R.T. 0.005 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Tgt Ion:266 Resp: 64476
 Ion Ratio Lower Upper
 266 100
 268 60.4 50.5 75.7
 264 62.5 50.4 75.6





#71

Phenanthrene

Concen: 7.502 ng

RT: 17.380 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

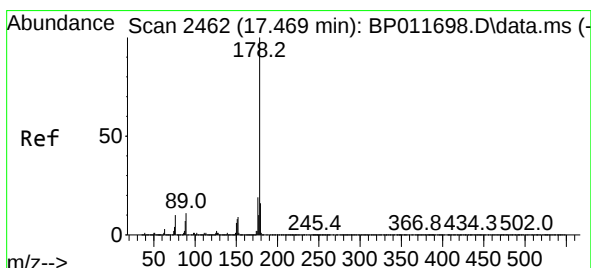
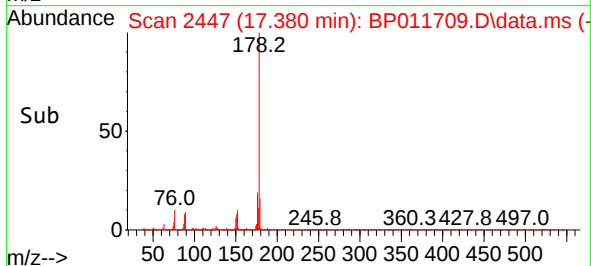
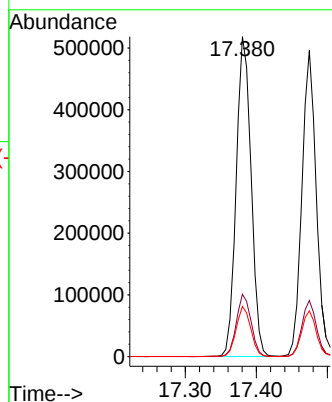
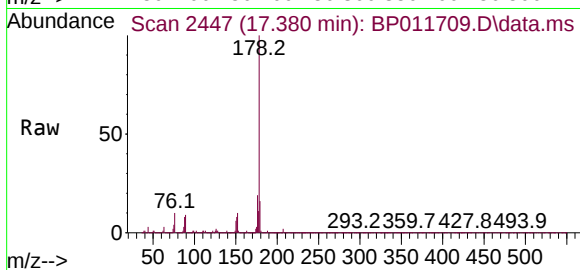
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:178 Resp: 751681
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.7 22.1
 179 15.7 12.2 18.2

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



#72

Anthracene

Concen: 7.495 ng

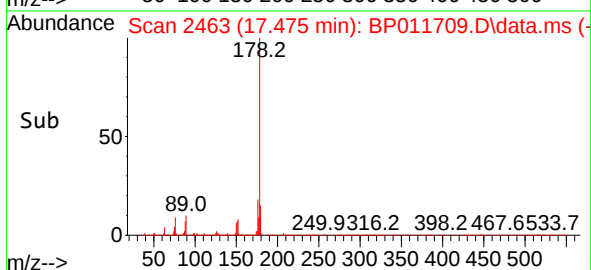
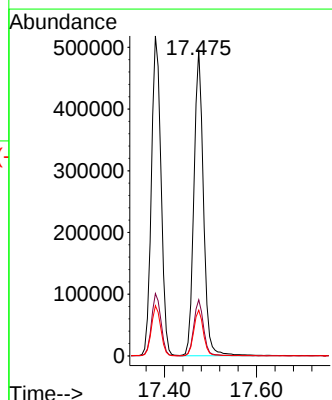
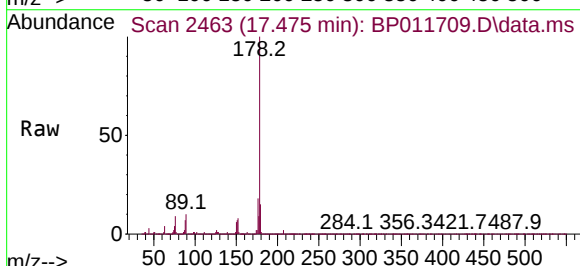
RT: 17.475 min Scan# 2463

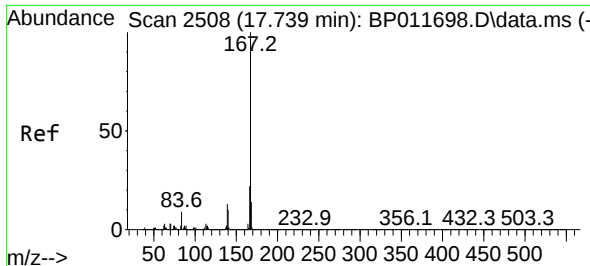
Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

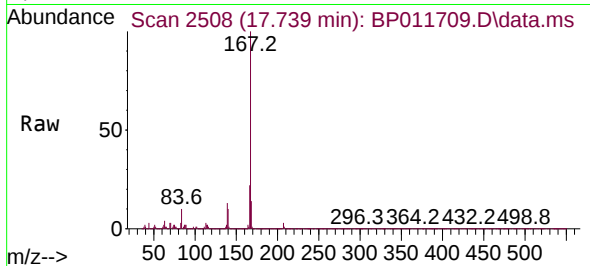
Tgt Ion:178 Resp: 710292
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 14.9 12.2 18.4





#73
 Carbazole
 Concen: 7.361 ng
 RT: 17.739 min Scan# 2508
 Delta R.T. -0.000 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48

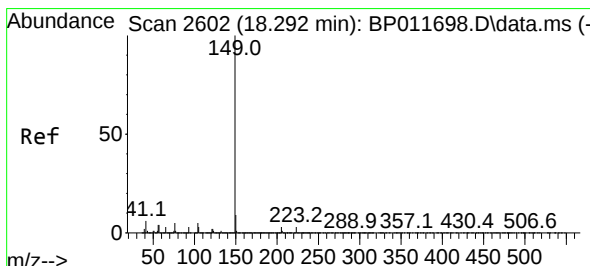
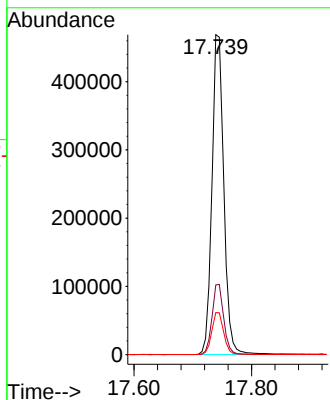
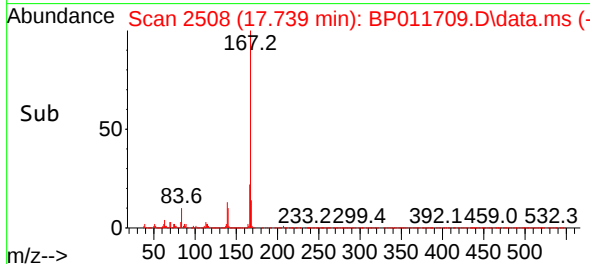
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



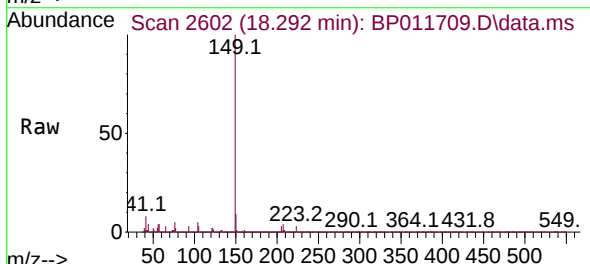
Tgt Ion:167 Resp: 658091
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.9 25.3
 139 13.1 10.6 15.8

Manual Integrations
 APPROVED

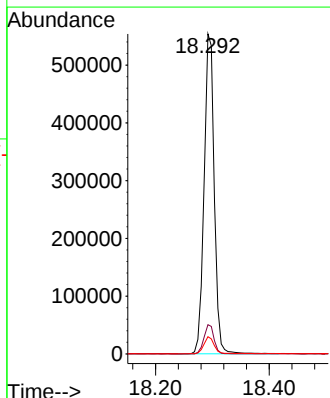
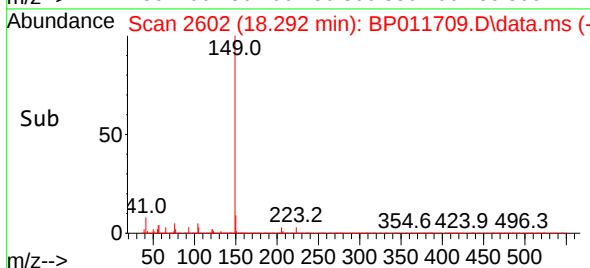
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

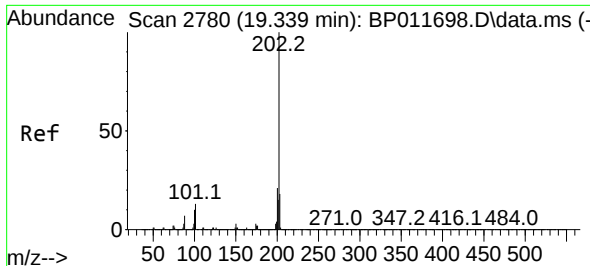


#74
 Di-n-butylphthalate
 Concen: 6.376 ng
 RT: 18.292 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48



Tgt Ion:149 Resp: 687091
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 5.4 4.8 7.2





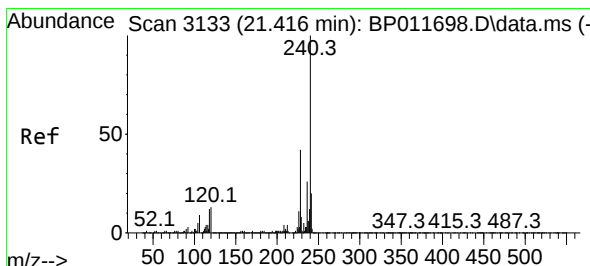
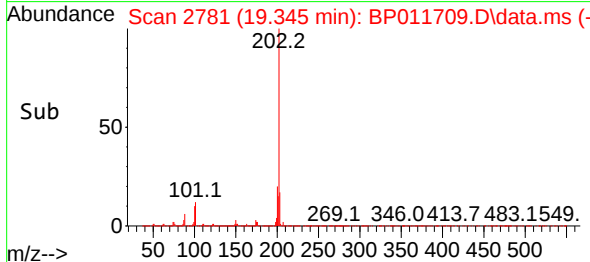
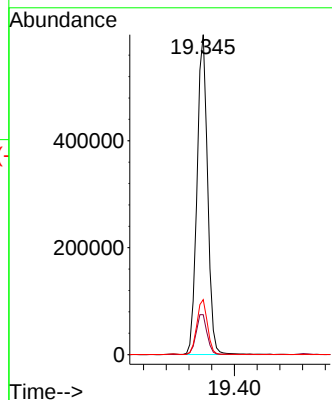
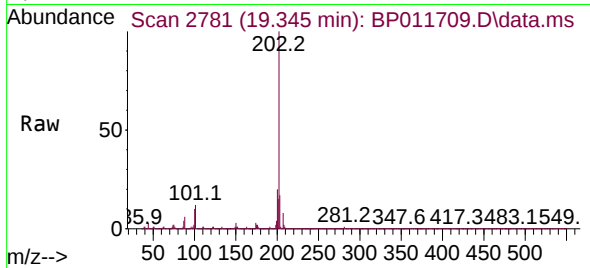
#75
Fluoranthene
Concen: 7.101 ng
RT: 19.345 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion:202 Resp: 767318
Ion Ratio Lower Upper
202 100
101 12.5 0.0 29.6
203 17.2 0.0 36.9

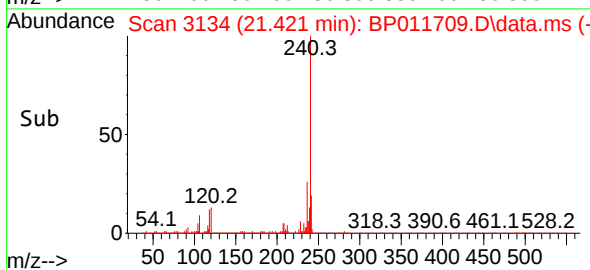
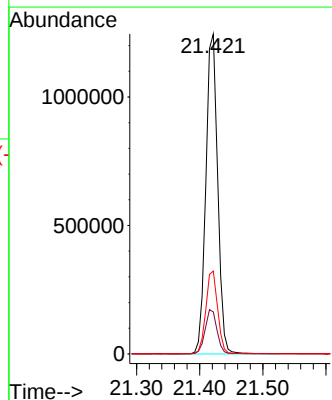
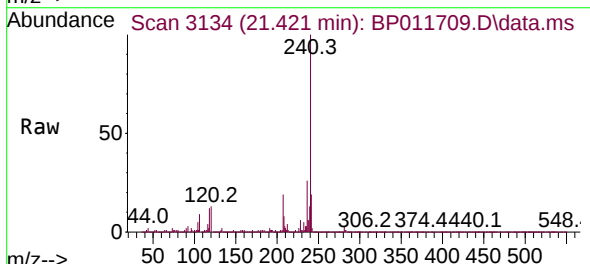
Manual Integrations
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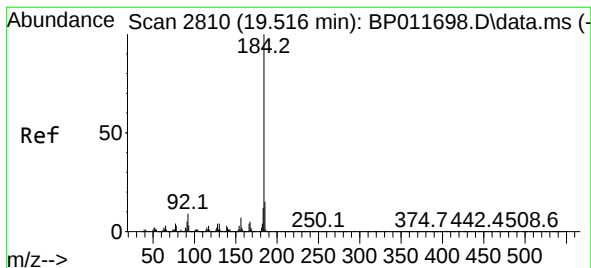
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. 0.005 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:240 Resp: 1617071
Ion Ratio Lower Upper
240 100
120 13.1 8.6 12.8#
236 25.9 19.8 29.6





#77

Benzidine

Concen: 8.451 ng

RT: 19.522 min Scan# 2811

Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

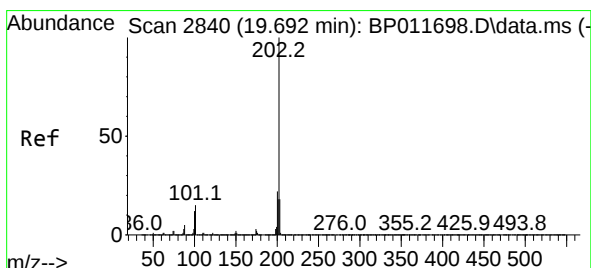
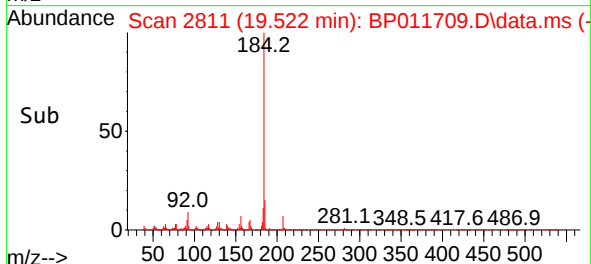
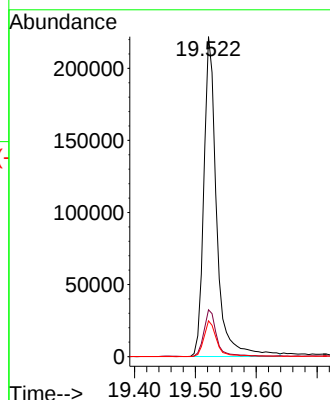
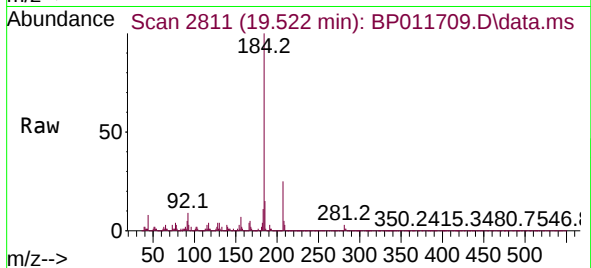
Tgt Ion:184 Resp: 324991
 Ion Ratio Lower Upper
 184 100
 185 14.6 10.7 16.1
 183 11.2 9.0 13.6

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#78

Pyrene

Concen: 7.378 ng

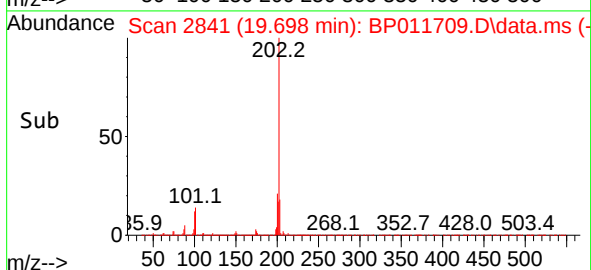
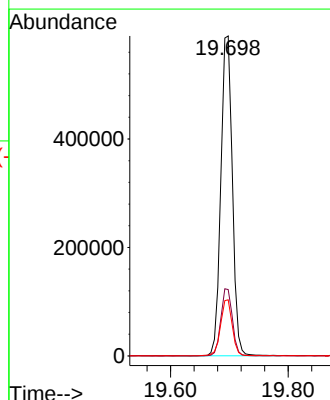
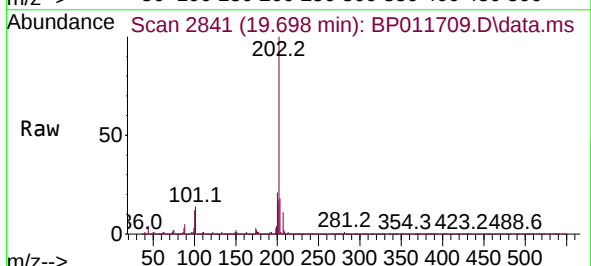
RT: 19.698 min Scan# 2841

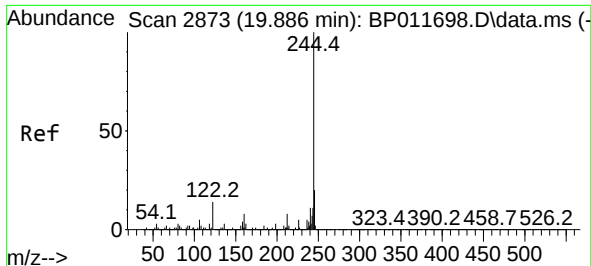
Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

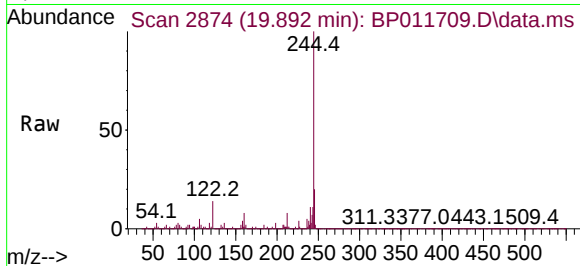
Tgt Ion:202 Resp: 804699
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 17.5 14.2 21.4





#79
 Terphenyl-d14
 Concen: 77.591 ng
 RT: 19.892 min Scan# 2873
 Delta R.T. 0.006 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48

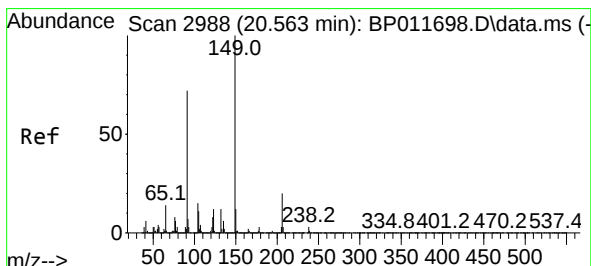
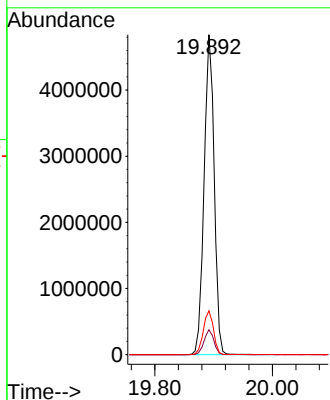
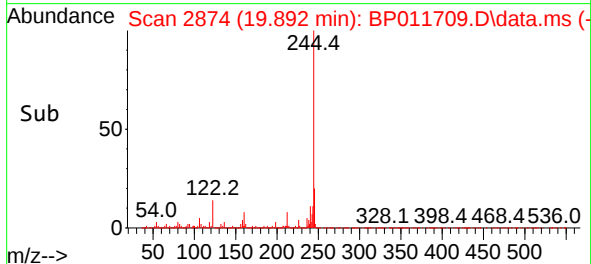
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



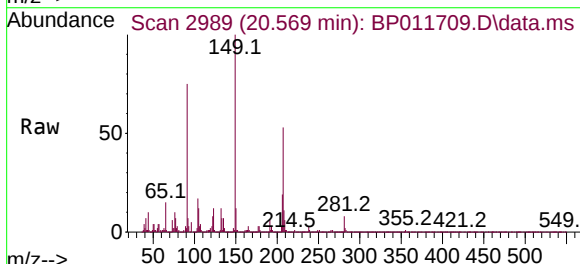
Tgt Ion:244 Resp: 5769863
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 13.7 7.6 11.4

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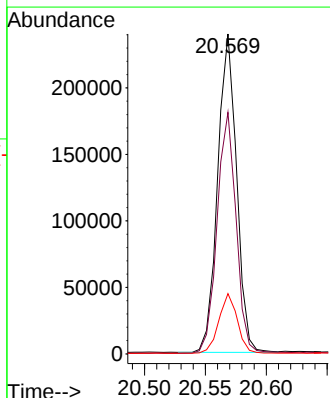
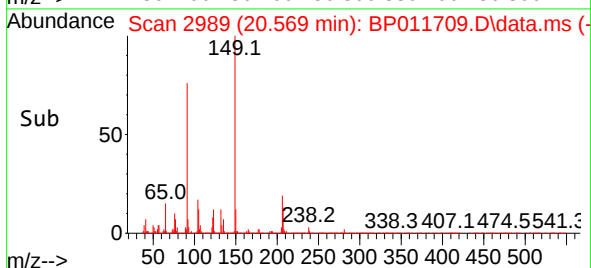
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

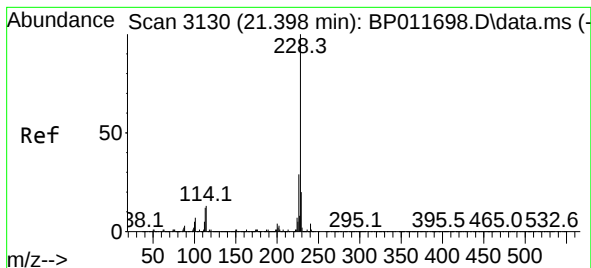


#80
 Butylbenzylphthalate
 Concen: 5.665 ng
 RT: 20.569 min Scan# 2989
 Delta R.T. 0.006 min
 Lab File: BP011709.D
 Acq: 15 Sep 2022 13:48



Tgt Ion:149 Resp: 258909
 Ion Ratio Lower Upper
 149 100
 91 75.5 62.5 93.7
 206 18.8 17.0 25.4





#81

Benzo(a)anthracene

Concen: 7.280 ng

RT: 21.404 min Scan# 3119

Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

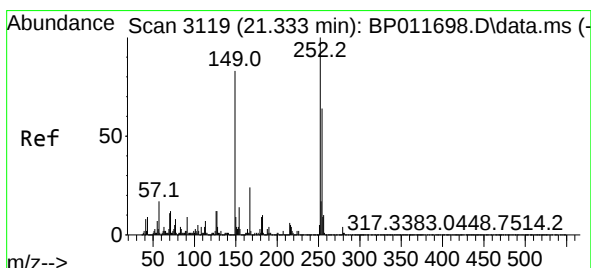
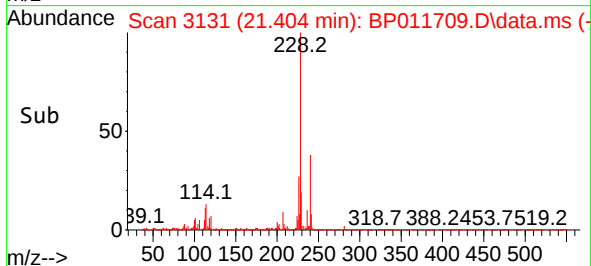
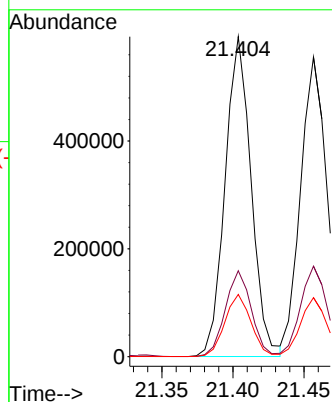
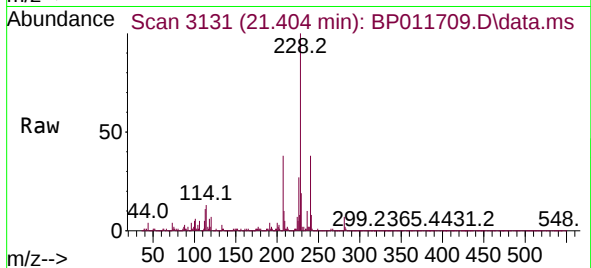
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:228 Resp: 758751
 Ion Ratio Lower Upper
 228 100
 226 26.8 20.8 31.2
 229 19.4 15.2 22.8

Manual Integrations

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



#82

3,3'-Dichlorobenzidine

Concen: 7.518 ng

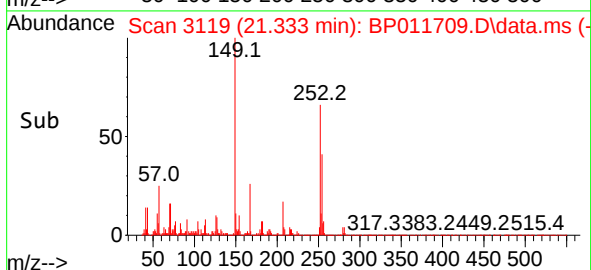
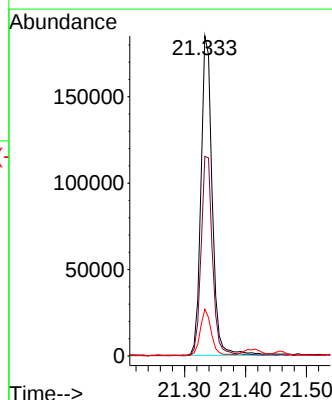
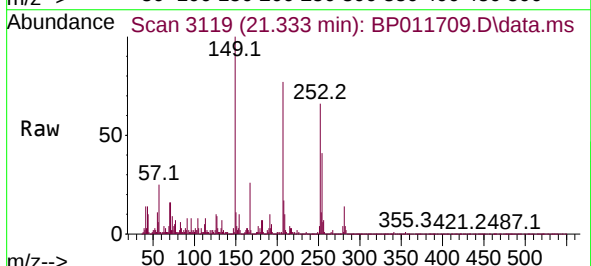
RT: 21.333 min Scan# 3119

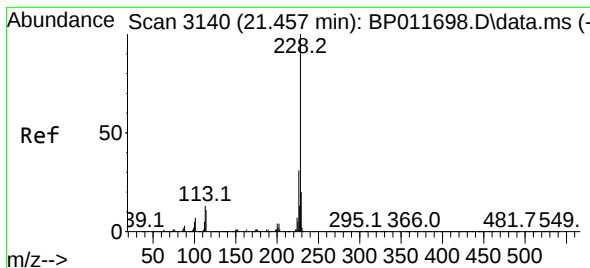
Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Tgt Ion:252 Resp: 238004
 Ion Ratio Lower Upper
 252 100
 254 62.3 51.1 76.7
 126 14.6 8.4 12.6





#83

Chrysene

Concen: 7.262 ng

RT: 21.457 min Scan# 311

Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

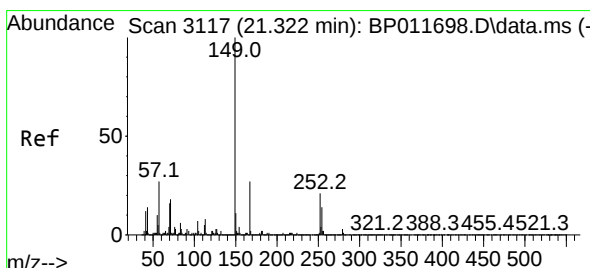
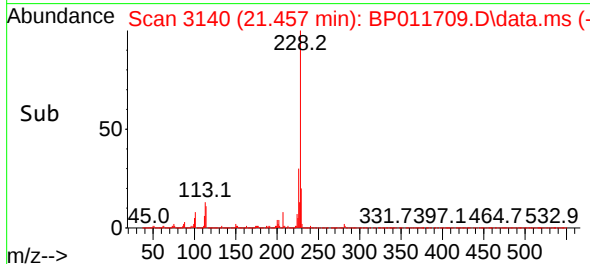
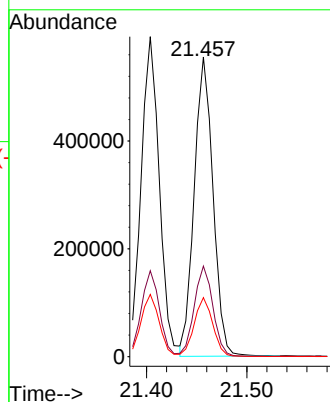
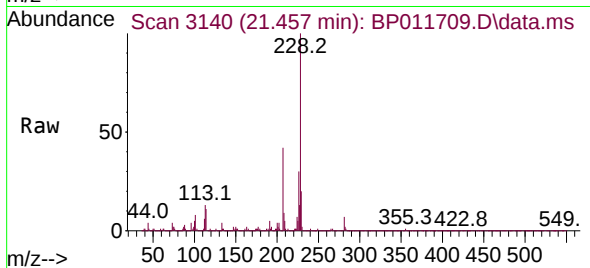
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:228	Resp: 723204
Ion Ratio	Lower Upper
228 100	
226 30.2	23.4 35.2
229 19.7	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: 5.760 ng

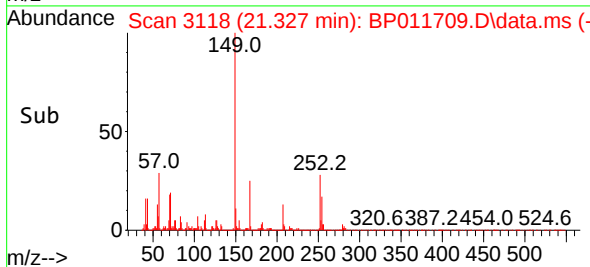
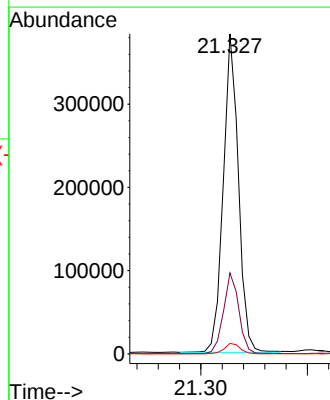
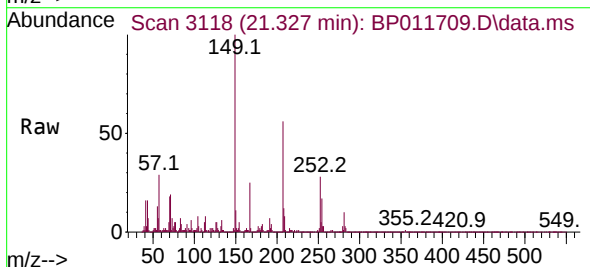
RT: 21.327 min Scan# 3118

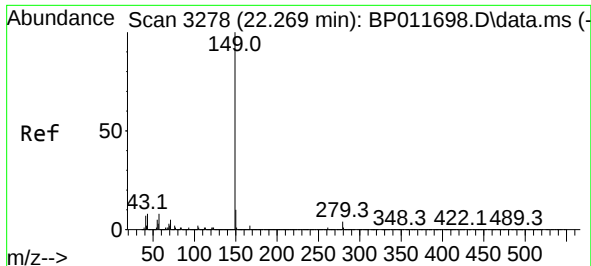
Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

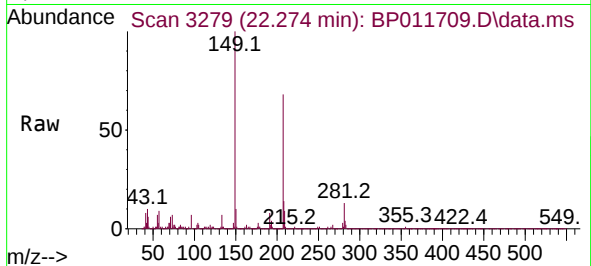
Tgt Ion:149	Resp: 378685
Ion Ratio	Lower Upper
149 100	
167 25.3	21.8 32.8
279 3.3	3.7 5.5#





#85
Di-n-octyl phthalate
Concen: 5.167 ng
RT: 22.274 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

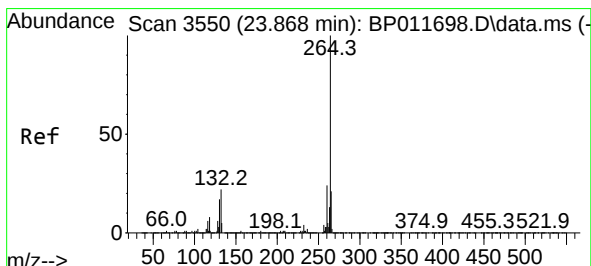
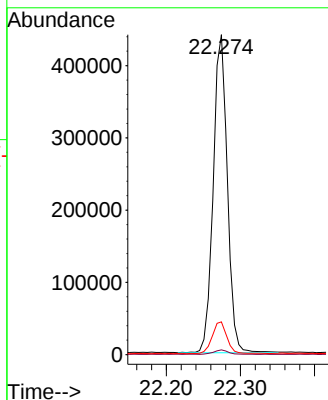
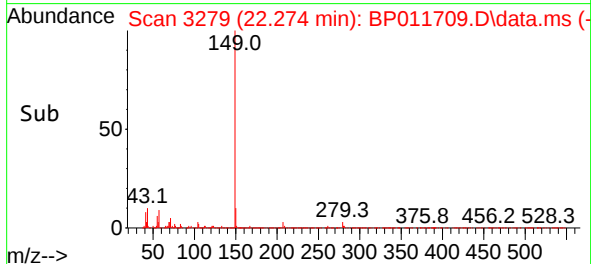
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:149 Resp: 582944
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.5 10.0 15.0

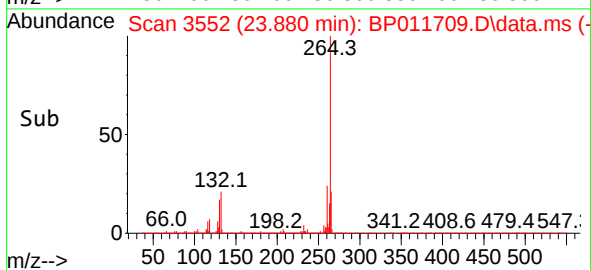
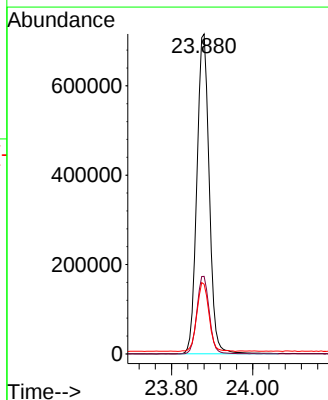
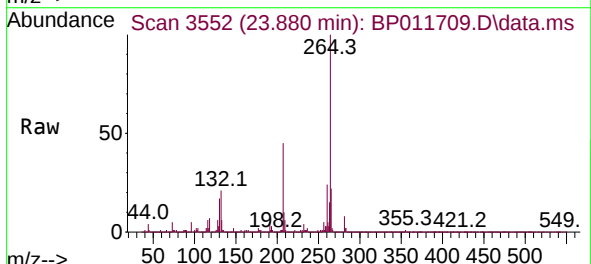
Manual Integrations
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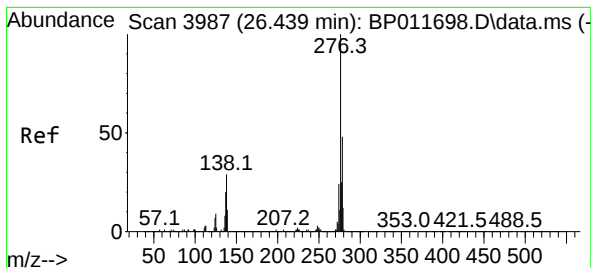
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.880 min Scan# 3552
Delta R.T. 0.012 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:264 Resp: 1507292
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 21.8 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.583 ng

RT: 26.445 min Scan# 3987

Delta R.T. 0.006 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

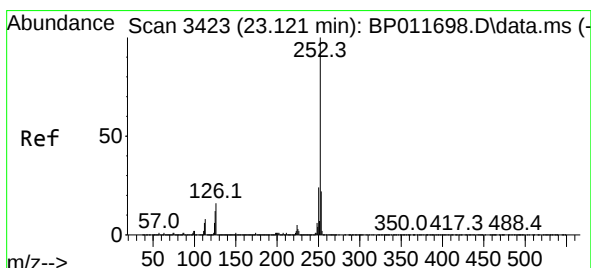
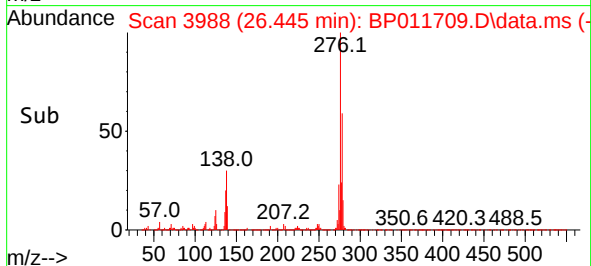
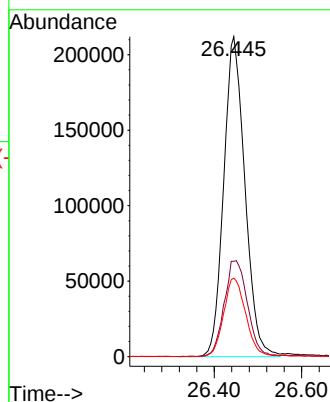
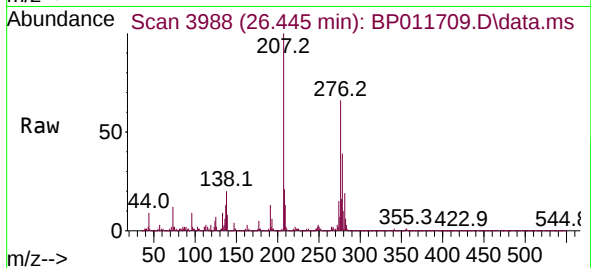
Tgt Ion:	276	Resp:	71490
Ion Ratio	Lower	Upper	
276	100		
138	32.8	17.5	26.3
277	25.4	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#88

Benzo(b)fluoranthene

Concen: 7.778 ng

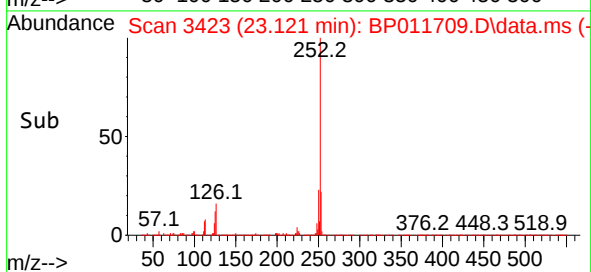
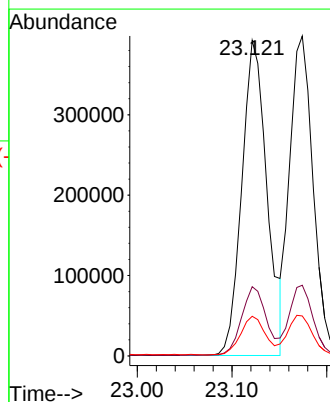
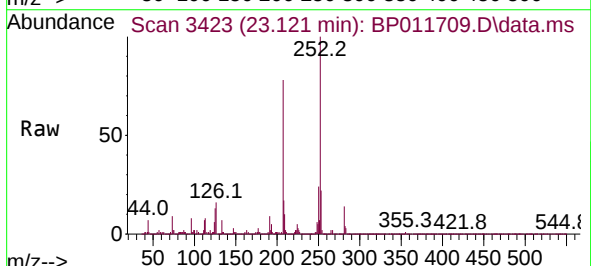
RT: 23.121 min Scan# 3423

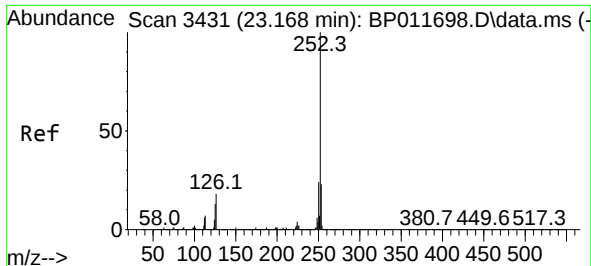
Delta R.T. -0.000 min

Lab File: BP011709.D

Acq: 15 Sep 2022 13:48

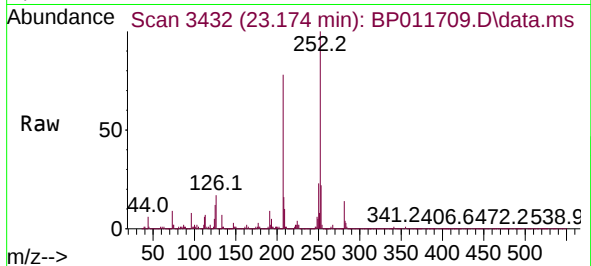
Tgt Ion:	252	Resp:	725106
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	12.5	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 7.308 ng
RT: 23.174 min Scan# 3431
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

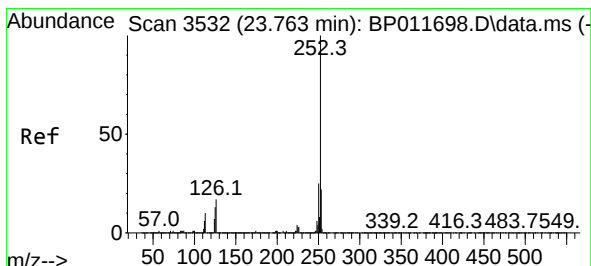
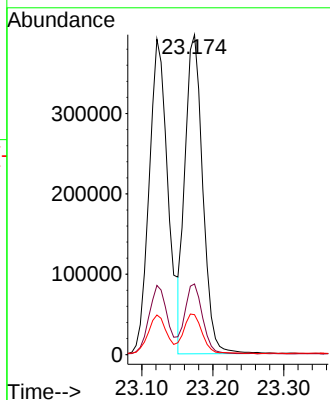
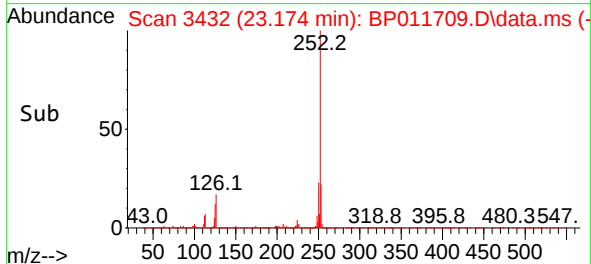
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 68652
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 12.5 7.0 10.4

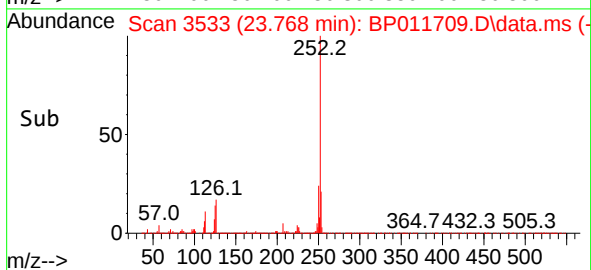
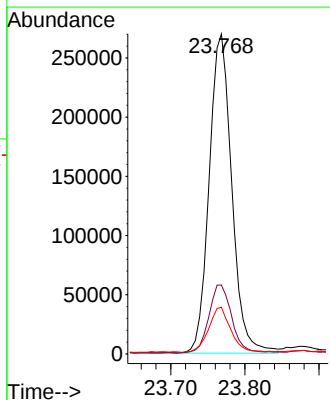
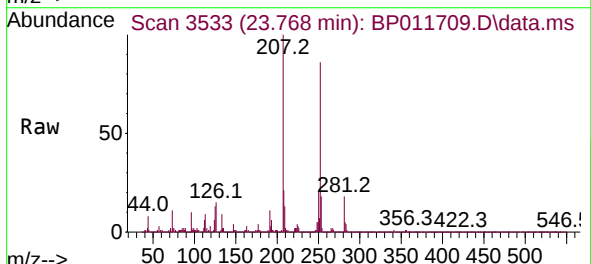
Manual Integrations
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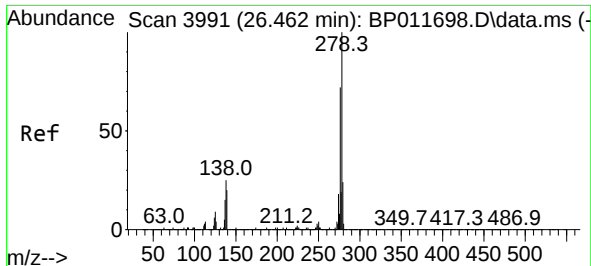
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#90
Benzo(a)pyrene
Concen: 7.417 ng
RT: 23.768 min Scan# 3533
Delta R.T. 0.006 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion:252 Resp: 571227
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 14.6 7.9 11.9





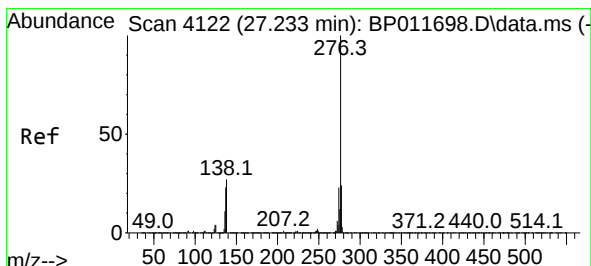
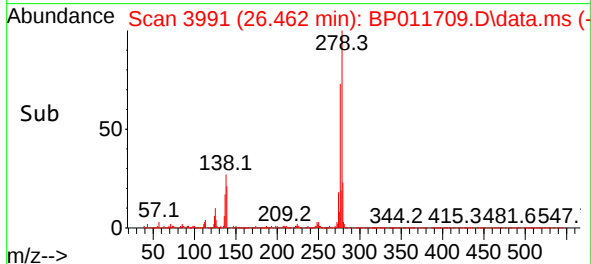
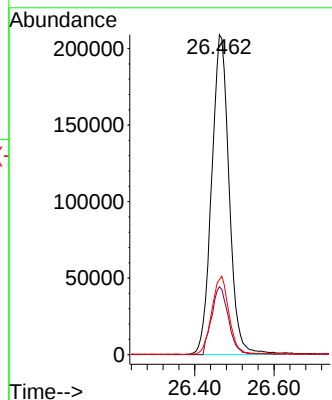
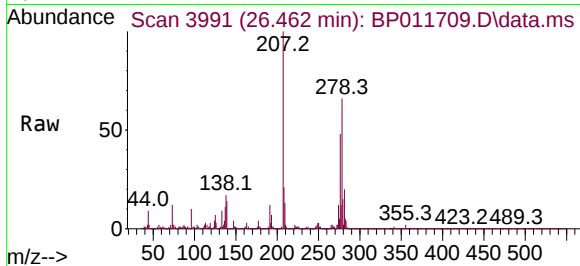
#91
Dibenzo(a,h)anthracene
Concen: 7.097 ng
RT: 26.462 min Scan# 3991
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

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

Tgt Ion: 278 Resp: 639964
Ion Ratio Lower Upper
278 100
139 21.2 11.4 17.0
279 23.4 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: 7.125 ng
RT: 27.233 min Scan# 4122
Delta R.T. -0.000 min
Lab File: BP011709.D
Acq: 15 Sep 2022 13:48

Tgt Ion: 276 Resp: 626349
Ion Ratio Lower Upper
276 100
277 24.7 18.7 28.1
138 27.1 15.2 22.8

