

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
 Data File : BG054948.D
 Acq On : 14 Sep 2022 18:04
 Operator : CG/JU
 Sample : N4600-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913

Quant Time: Sep 15 03:21:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

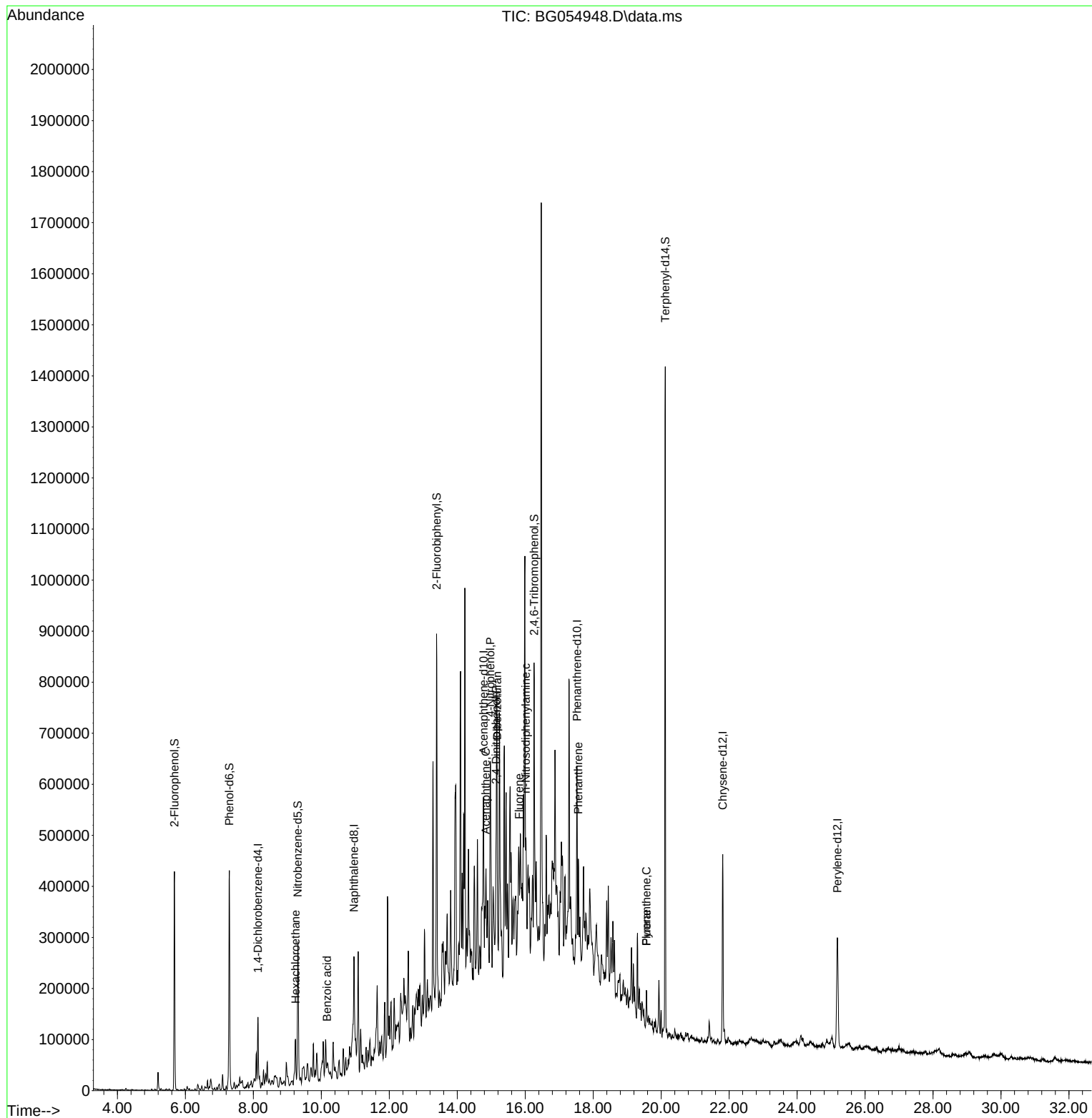
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	43975	20.000	ng	0.00
21) Naphthalene-d8	10.960	136	172726	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	109449	20.000	ng	0.00
64) Phenanthrene-d10	17.523	188	227782	20.000	ng	0.00
76) Chrysene-d12	21.812	240	242146	20.000	ng	0.00
86) Perylene-d12	25.185	264	257181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	217510	86.132	ng	0.00
7) Phenol-d6	7.294	99	290123	84.006	ng	0.00
23) Nitrobenzene-d5	9.309	82	167301	50.848	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	107551	78.640	ng	0.00
45) 2-Fluorobiphenyl	13.393	172	411702	56.537	ng	0.00
79) Terphenyl-d14	20.120	244	674257	55.172	ng	0.00
Target Compounds						
					Qvalue	
18) Hexachloroethane	9.245	117	4414	3.780	ng	# 1
32) Benzoic acid	10.167	122	1074	8.346	ng	# 59
52) Acenaphthene	14.838	154	19036	2.909	ng	# 80
54) 2,4-Dinitrophenol	15.144	184	467	7.139	ng	# 1
55) Dibenzofuran	15.173	168	20720	2.155	ng	# 1
56) 4-Nitrophenol	14.973	139	18038	12.073	ng	# 47
58) Fluorene	15.819	166	34591	4.271	ng	# 89
66) n-Nitrosodiphenylamine	16.019	169	81239	12.367	ng	# 42
71) Phenanthrene	17.564	178	104569	8.618	ng	# 95
75) Fluoranthene	19.568	202	43077	2.918	ng	98
78) Pyrene	19.568	202	43077	2.551	ng	96

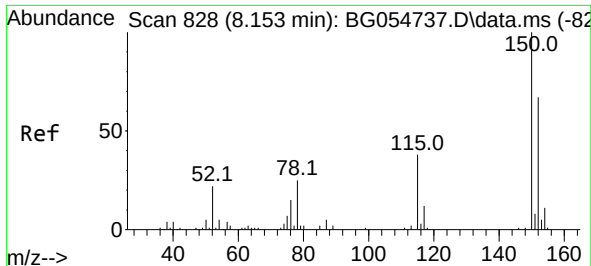
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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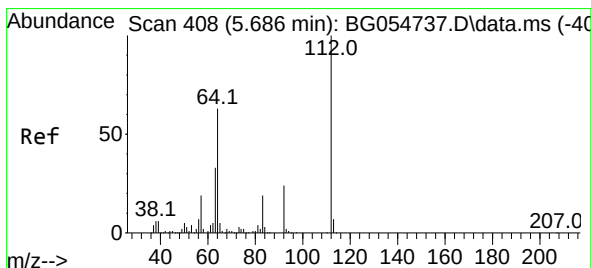
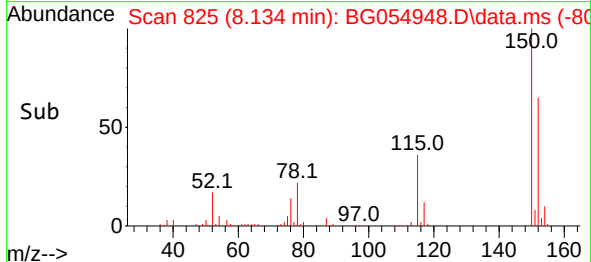
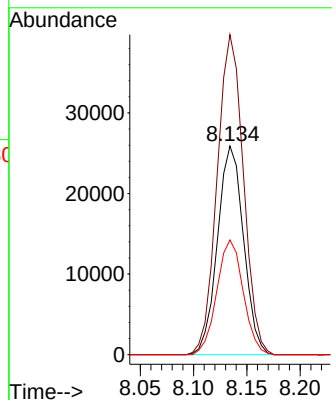
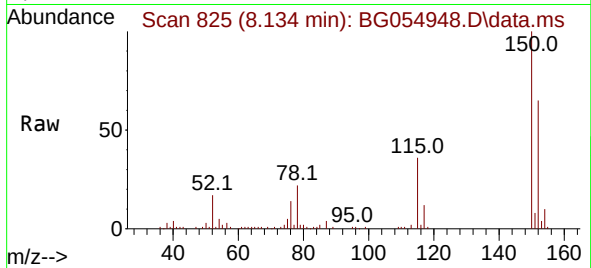




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

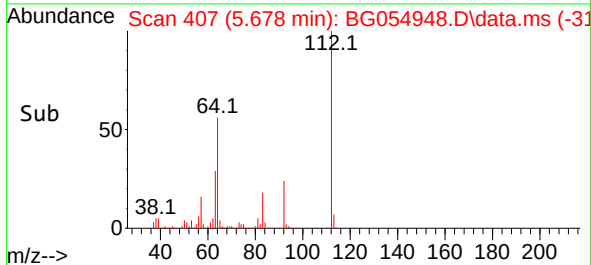
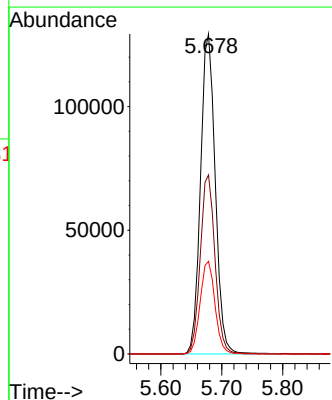
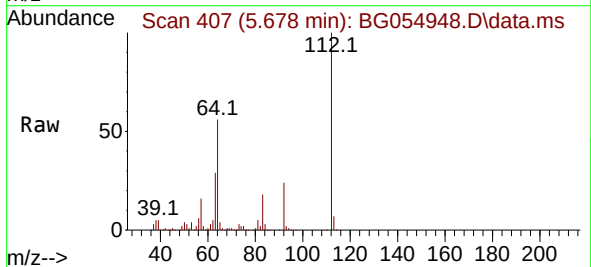
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

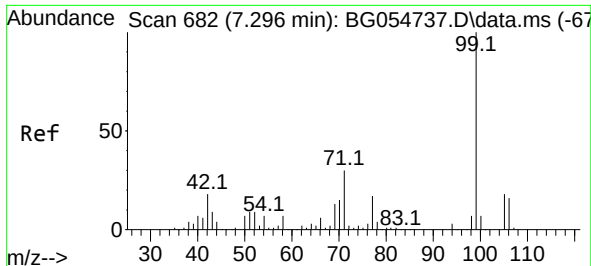
Tgt Ion:152 Resp: 43975
Ion Ratio Lower Upper
152 100
150 153.4 125.2 187.8
115 55.0 47.9 71.9



#5
2-Fluorophenol
Concen: 86.132 ng
RT: 5.678 min Scan# 407
Delta R.T. 0.005 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:112 Resp: 217510
Ion Ratio Lower Upper
112 100
64 55.9 49.3 73.9
63 28.9 26.3 39.5

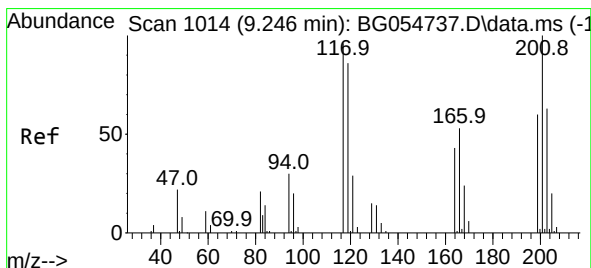
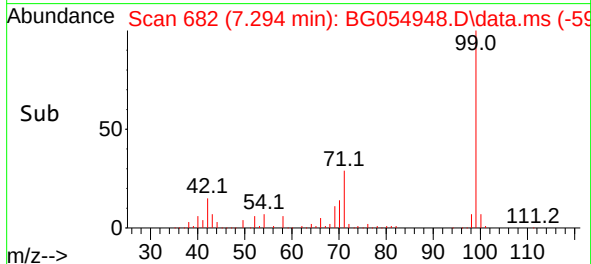
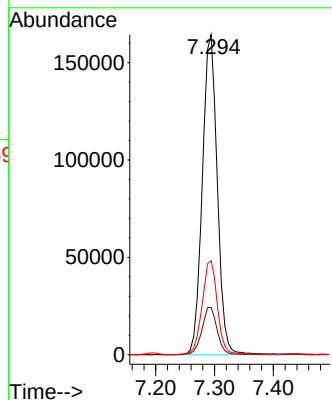
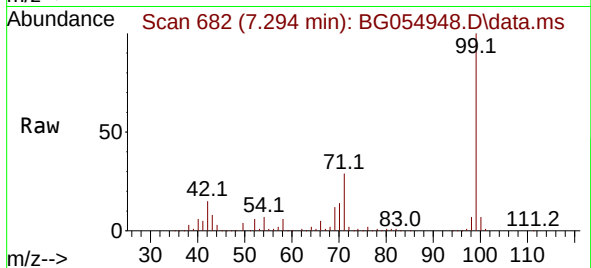




#7
Phenol-d6
Concen: 84.006 ng
RT: 7.294 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

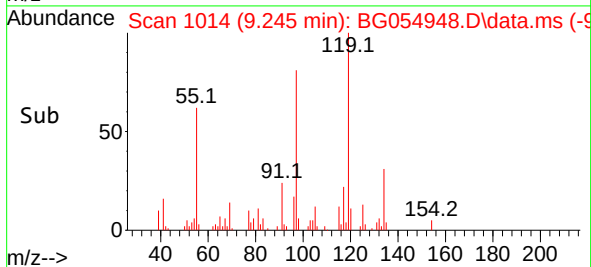
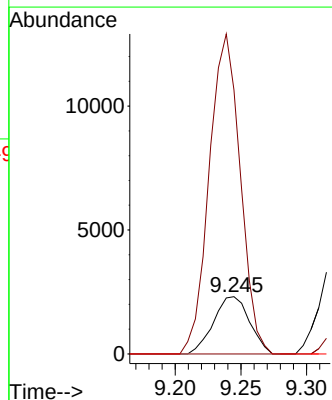
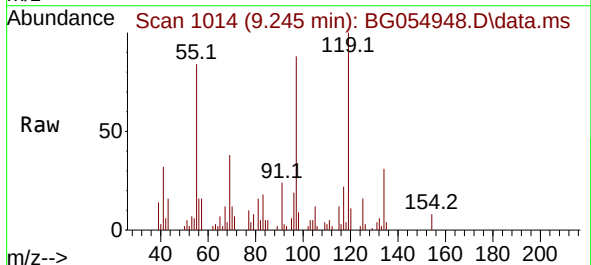
Instrument :
BNA_G
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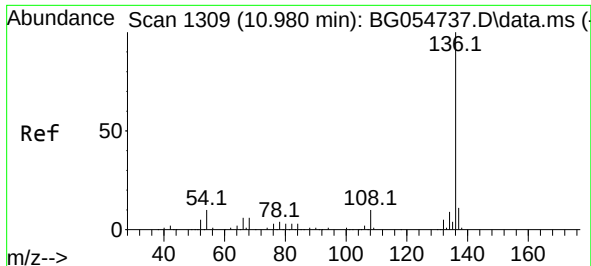
Tgt Ion: 99 Resp: 290123
Ion Ratio Lower Upper
99 100
42 14.8 14.6 22.0
71 29.4 24.6 37.0



#18
Hexachloroethane
Concen: 3.780 ng
RT: 9.245 min Scan# 1014
Delta R.T. 0.023 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion: 117 Resp: 4414
Ion Ratio Lower Upper
117 100
119 460.7 77.0 115.6#
201 0.0 87.2 130.8#

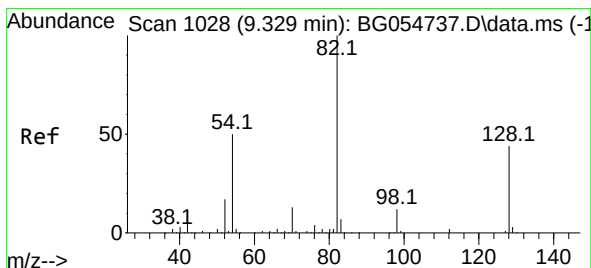
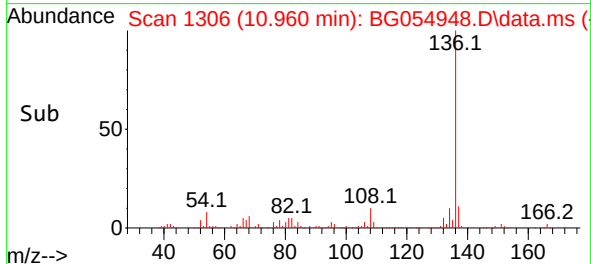
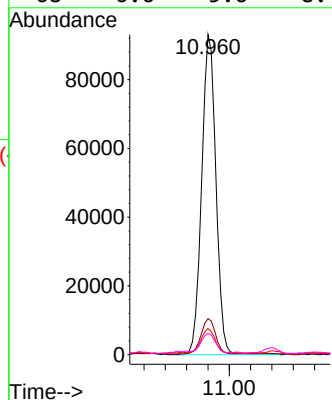
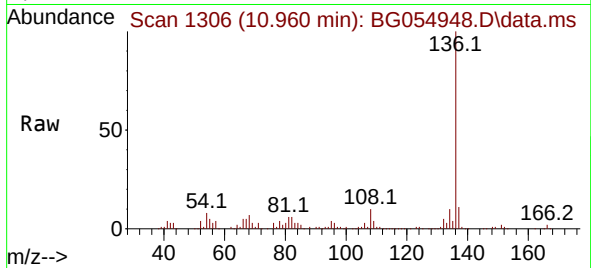




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.960 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

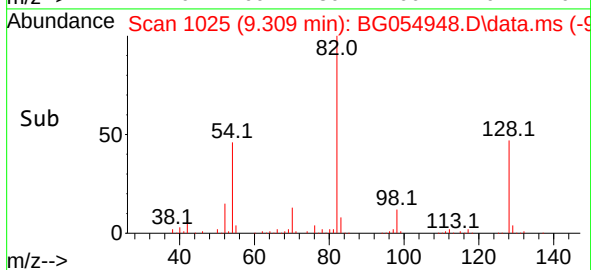
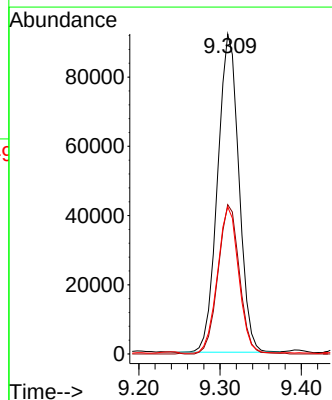
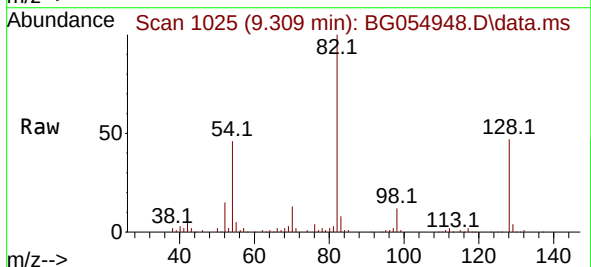
Instrument :
BNA_G
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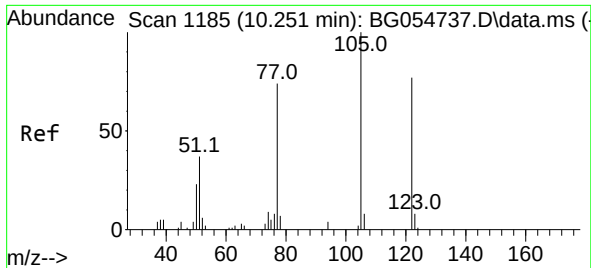
Tgt Ion:	136	Resp:	172726
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	8.1	7.7	11.5
68	6.6	5.6	8.4



#23
Nitrobenzene-d5
Concen: 50.848 ng
RT: 9.309 min Scan# 1025
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:	82	Resp:	167301
Ion	Ratio	Lower	Upper
82	100		
128	46.7	32.2	48.2
54	46.0	41.4	62.0

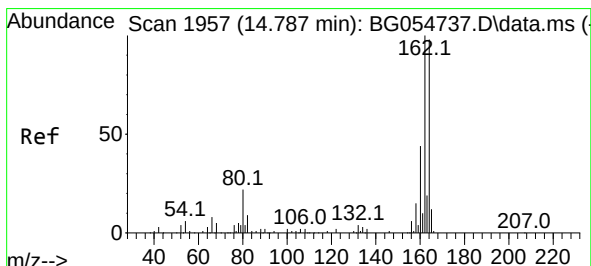
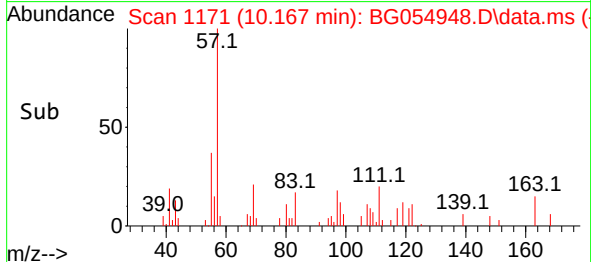
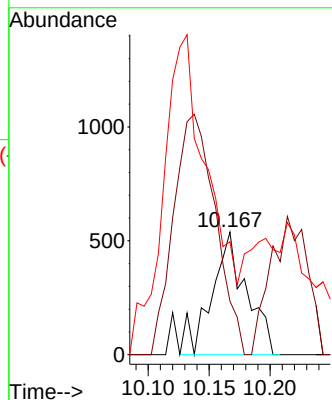
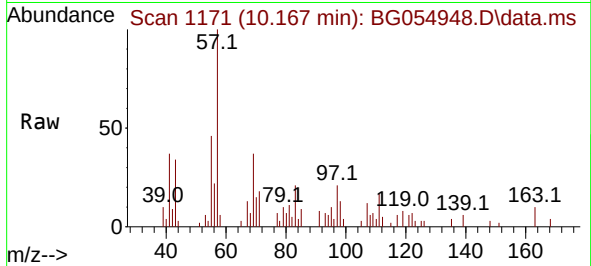




#32
Benzoic acid
Concen: 8.346 ng
RT: 10.167 min Scan# 1185
Delta R.T. -0.171 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

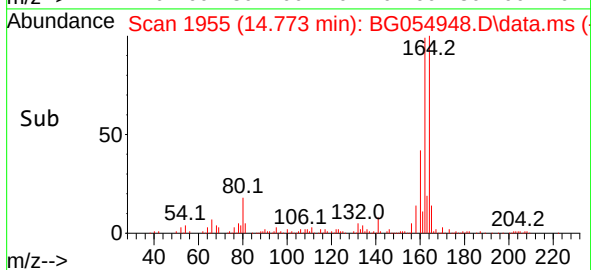
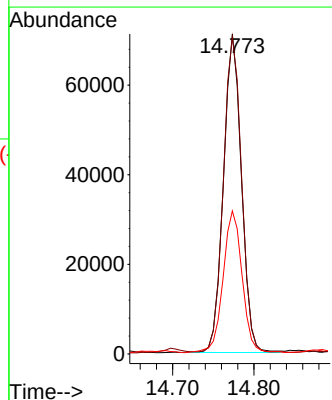
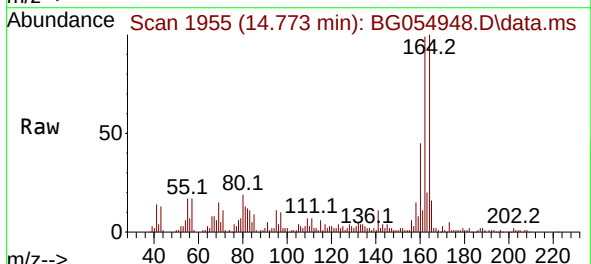
Instrument :
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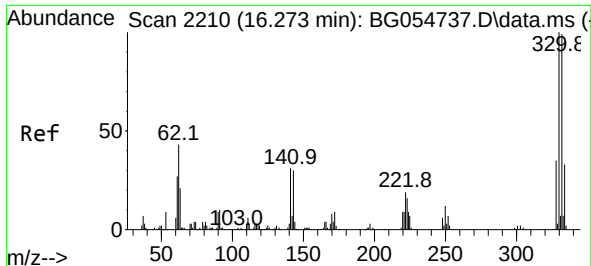
Tgt Ion:122 Resp: 1074
Ion Ratio Lower Upper
122 100
105 43.7 101.5 141.5#
77 92.2 69.3 109.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.773 min Scan# 1955
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:164 Resp: 109449
Ion Ratio Lower Upper
164 100
162 99.1 83.0 124.4
160 44.7 38.0 57.0

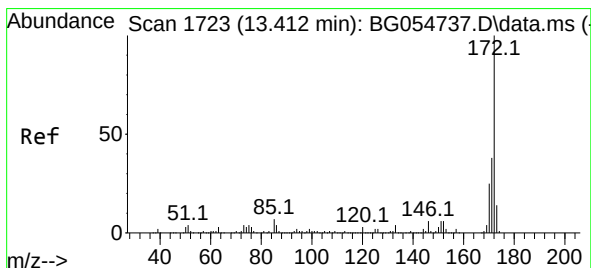
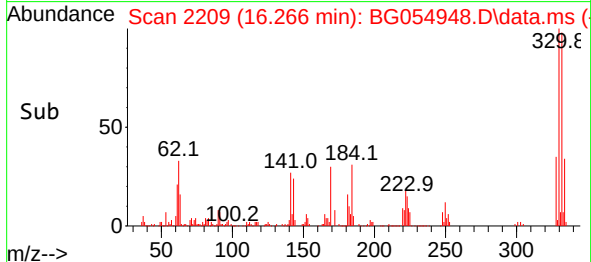
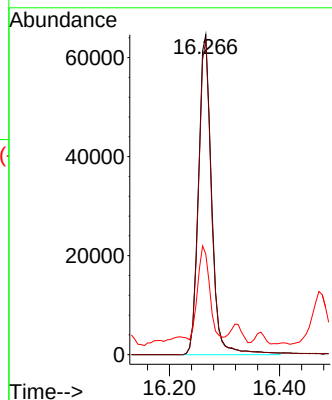
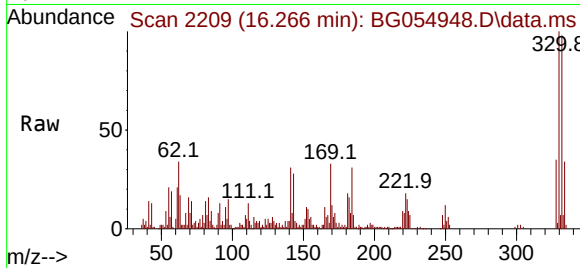




#42
 2,4,6-Tribromophenol
 Concen: 78.640 ng
 RT: 16.266 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

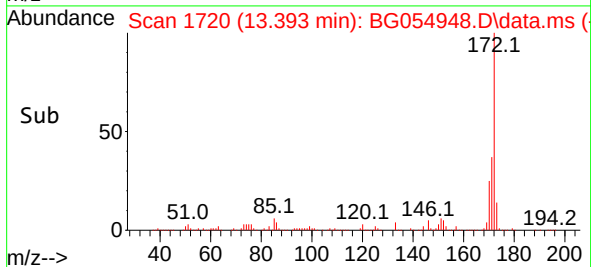
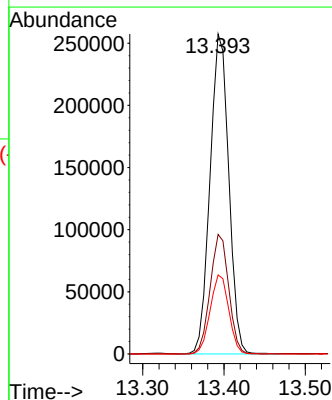
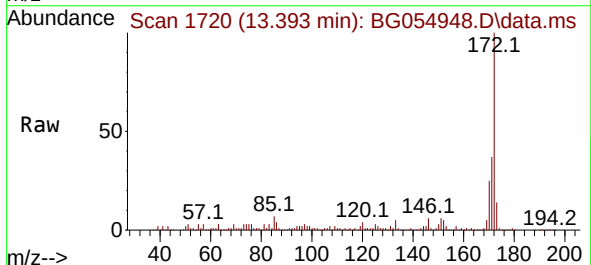
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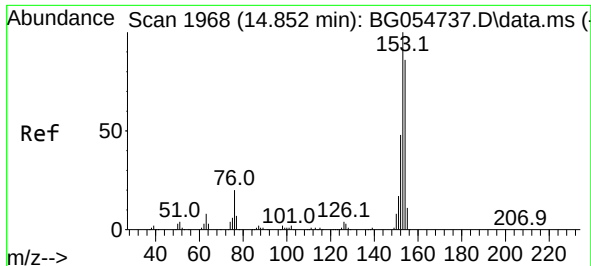
Tgt Ion:330 Resp: 107551
 Ion Ratio Lower Upper
 330 100
 332 97.4 79.8 119.6
 141 28.8 26.8 40.2



#45
 2-Fluorobiphenyl
 Concen: 56.537 ng
 RT: 13.393 min Scan# 1720
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

Tgt Ion:172 Resp: 411702
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.2 46.8
 170 24.7 20.6 30.8

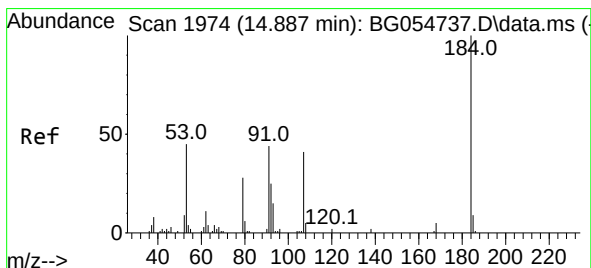
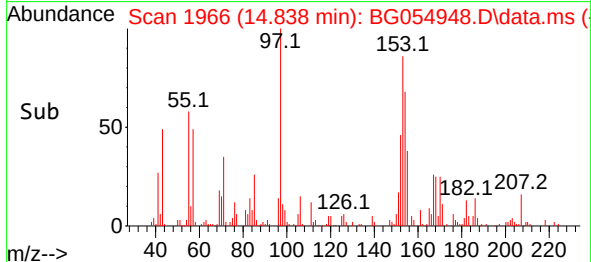
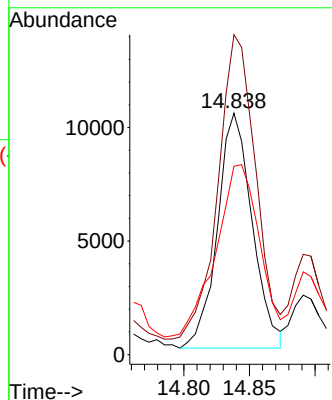
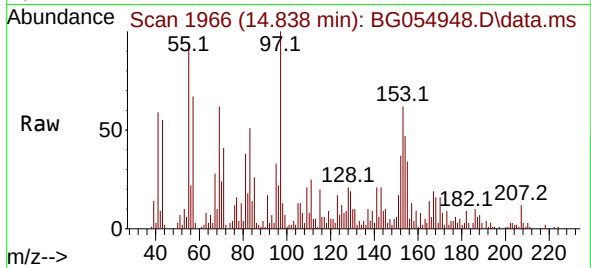




#52
Acenaphthene
Concen: 2.909 ng
RT: 14.838 min Scan# 1966
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

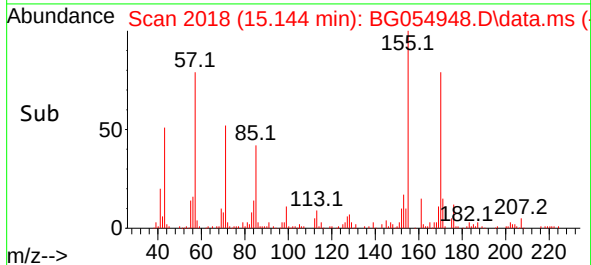
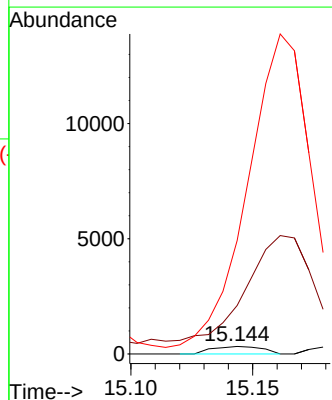
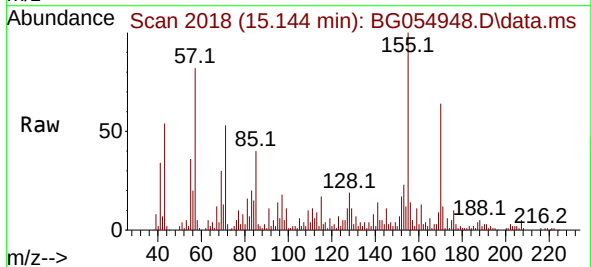
Instrument :
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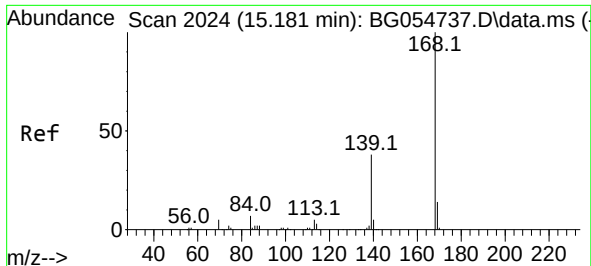
Tgt Ion:154 Resp: 19036
Ion Ratio Lower Upper
154 100
153 132.5 92.8 139.2
152 78.0 45.4 68.2#



#54
2,4-Dinitrophenol
Concen: 7.139 ng
RT: 15.144 min Scan# 2018
Delta R.T. 0.246 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:184 Resp: 467
Ion Ratio Lower Upper
184 100
63 646.0 41.8 62.8#
154 1509.2 45.2 67.8#

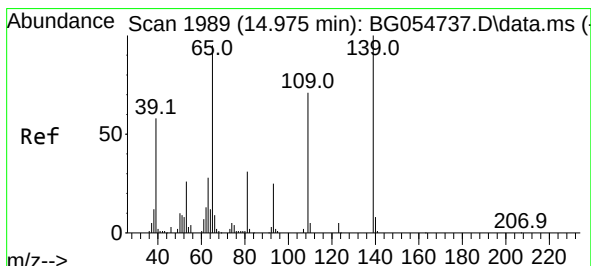
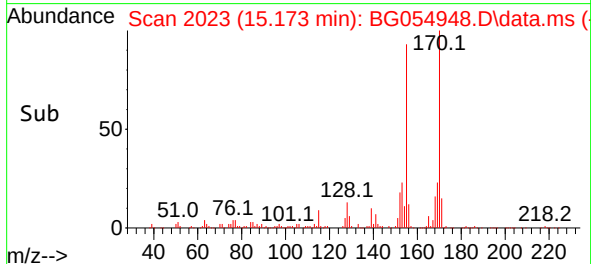
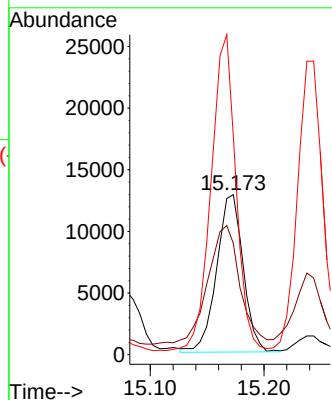
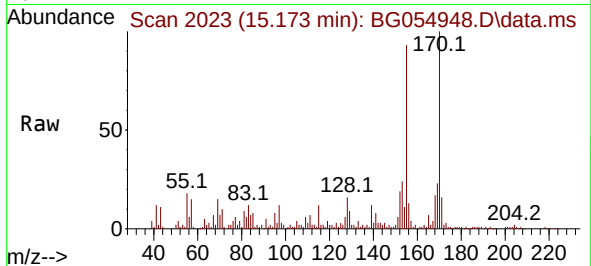




#55
Dibenzenofuran
Concen: 2.155 ng
RT: 15.173 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

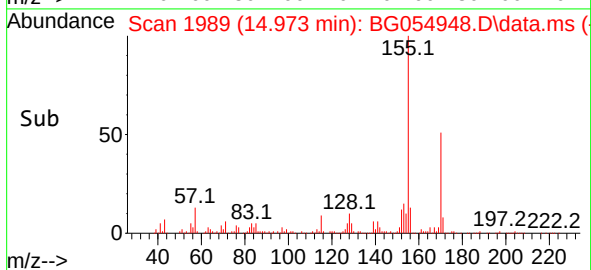
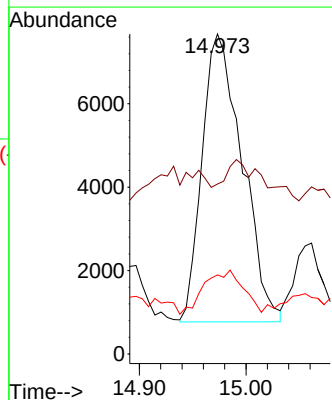
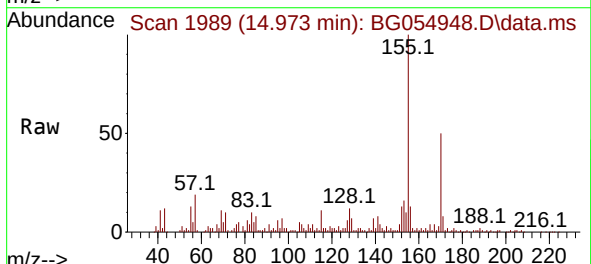
Instrument :
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OH-SOIL-0913

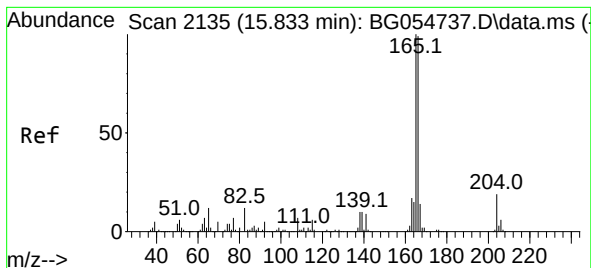
Tgt Ion:168 Resp: 20720
Ion Ratio Lower Upper
168 100
139 69.6 30.2 45.2#
169 136.6 11.3 16.9#



#56
4-Nitrophenol
Concen: 12.073 ng
RT: 14.973 min Scan# 1989
Delta R.T. -0.024 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:139 Resp: 18038
Ion Ratio Lower Upper
139 100
109 53.1 50.5 90.5
65 24.7 79.9 119.9#





#58

Fluorene

Concen: 4.271 ng

RT: 15.819 min Scan# 2135

Delta R.T. -0.001 min

Lab File: BG054948.D

Acq: 14 Sep 2022 18:04

Instrument :

BNA_G

ClientSampleId :

OH-SOIL-0913

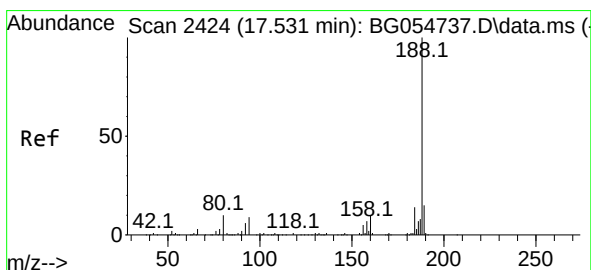
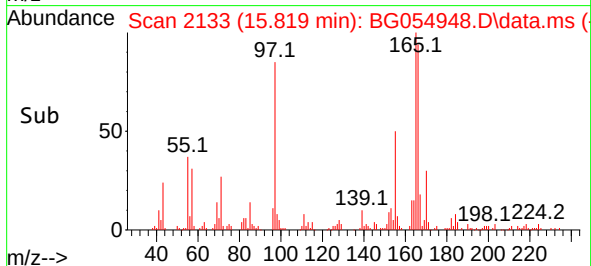
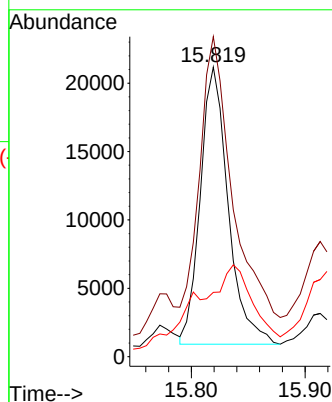
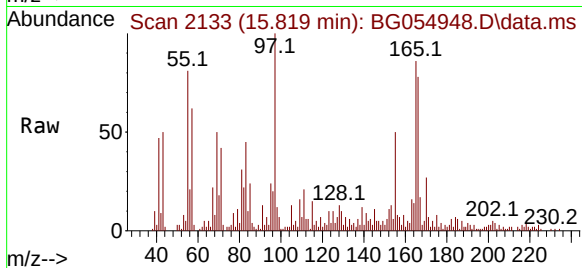
Tgt Ion:166 Resp: 34591

Ion Ratio Lower Upper

166 100

165 110.5 80.8 121.2

167 22.2 11.4 17.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.523 min Scan# 2423

Delta R.T. -0.001 min

Lab File: BG054948.D

Acq: 14 Sep 2022 18:04

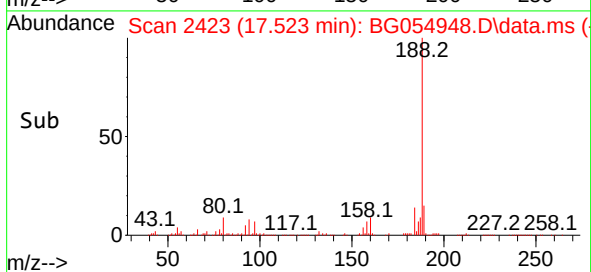
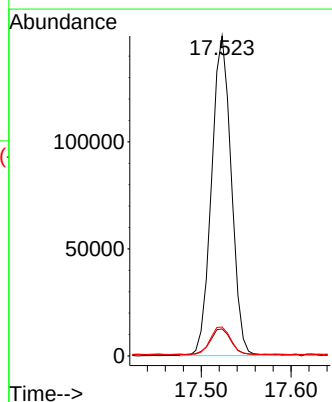
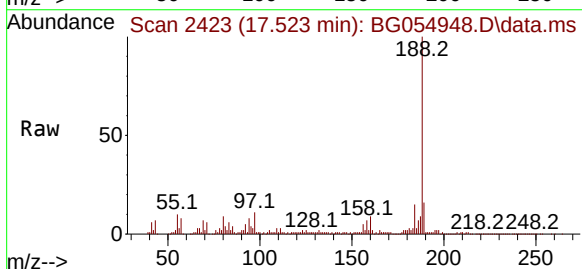
Tgt Ion:188 Resp: 227782

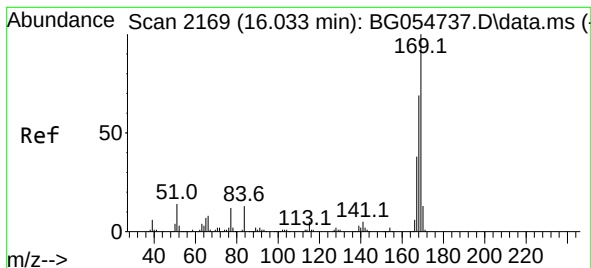
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.0 7.9 11.9





#66

n-Nitrosodiphenylamine

Concen: 12.367 ng

RT: 16.019 min Scan# 2169

Delta R.T. -0.001 min

Lab File: BG054948.D

Acq: 14 Sep 2022 18:04

Instrument :

BNA_G

ClientSampleId :

OH-SOIL-0913

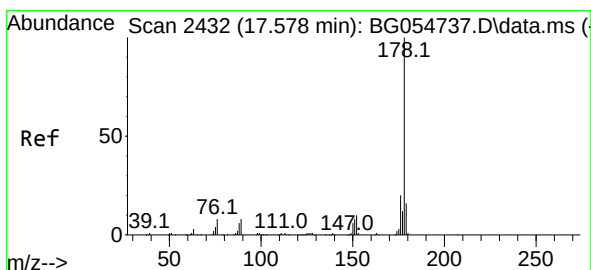
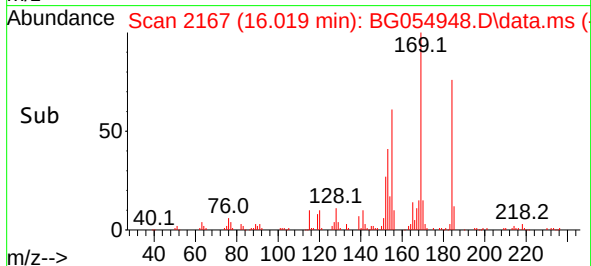
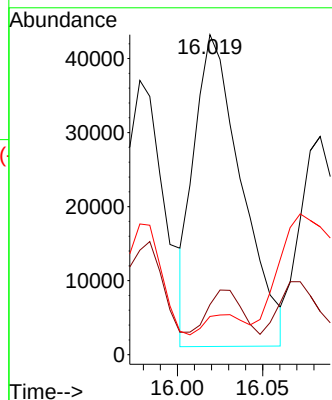
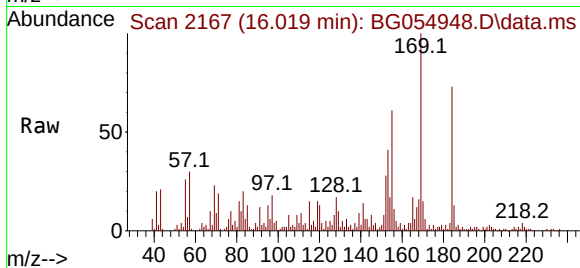
Tgt Ion:169 Resp: 81239

Ion Ratio Lower Upper

169 100

168 15.6 55.6 83.4#

167 11.9 30.9 46.3#



#71

Phenanthrene

Concen: 8.618 ng

RT: 17.564 min Scan# 2430

Delta R.T. -0.001 min

Lab File: BG054948.D

Acq: 14 Sep 2022 18:04

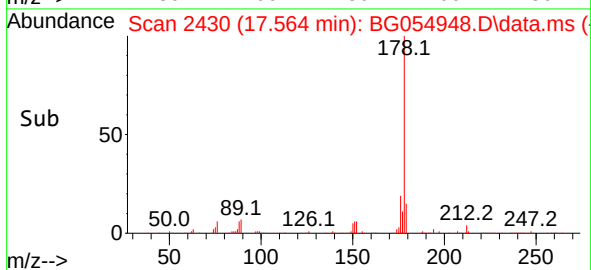
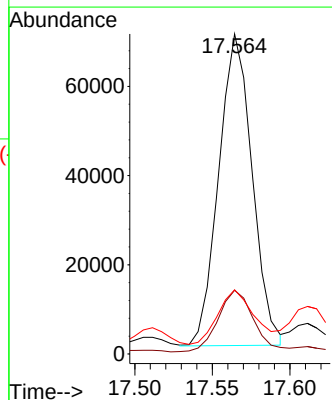
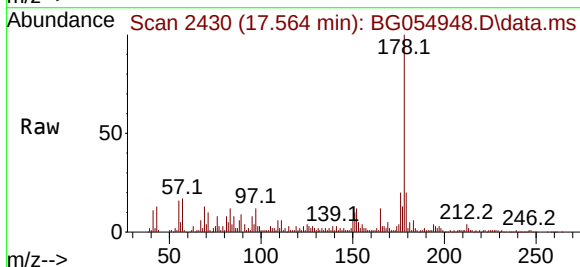
Tgt Ion:178 Resp: 104569

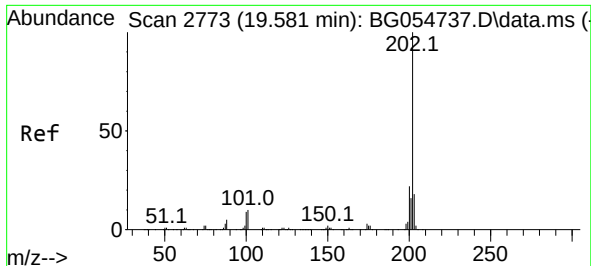
Ion Ratio Lower Upper

178 100

176 19.9 16.6 25.0

179 20.0 12.8 19.2#

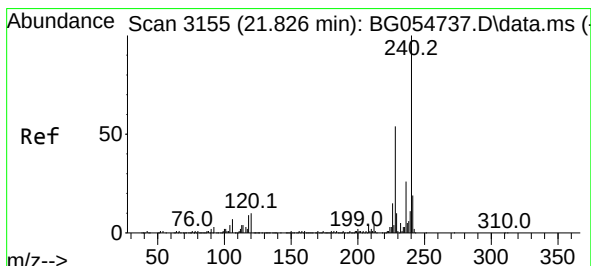
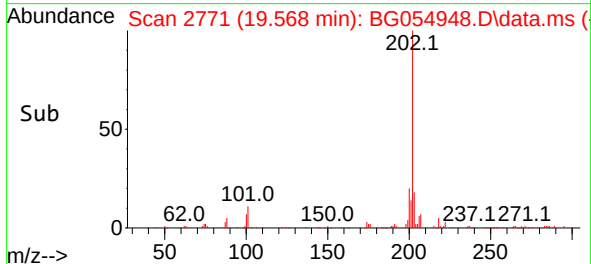
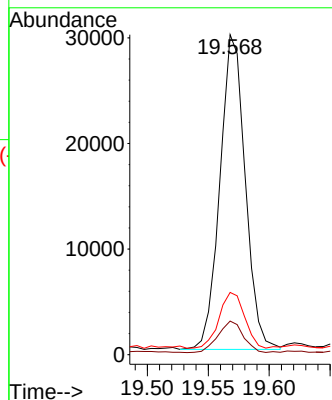
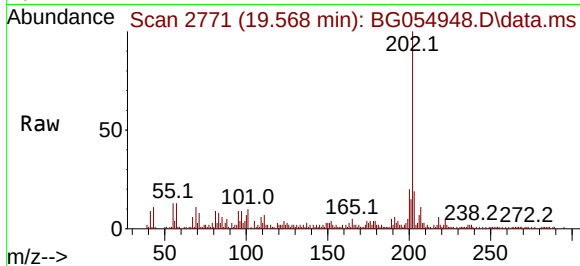




#75
Fluoranthene
Concen: 2.918 ng
RT: 19.568 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

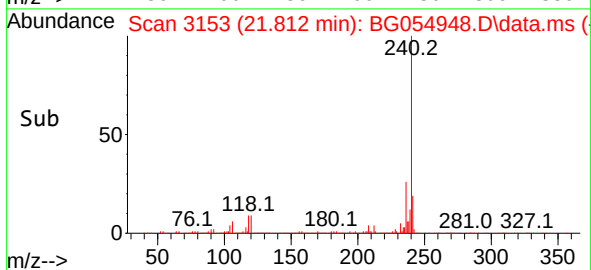
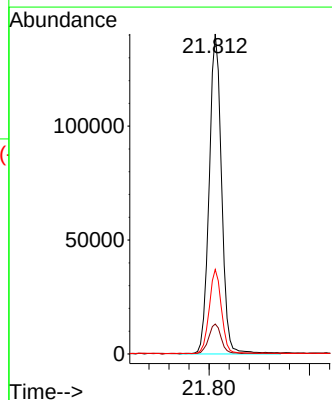
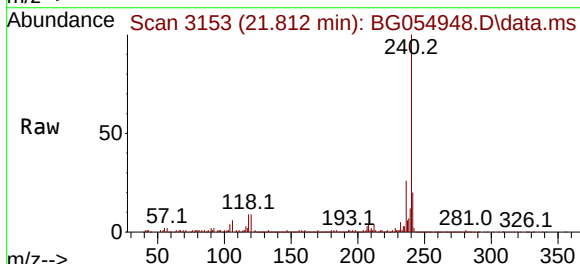
Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

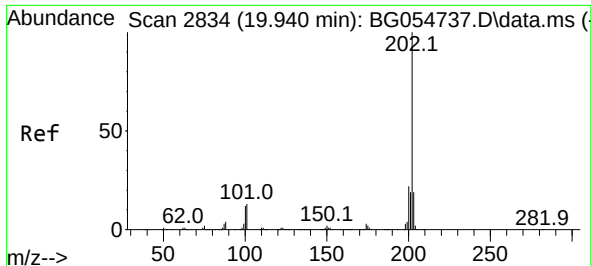
Tgt Ion:	202	Resp:	43077
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.4
203	19.5	0.0	38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.812 min Scan# 3153
Delta R.T. -0.007 min
Lab File: BG054948.D
Acq: 14 Sep 2022 18:04

Tgt Ion:	240	Resp:	242146
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.2	12.4
236	26.4	21.2	31.8

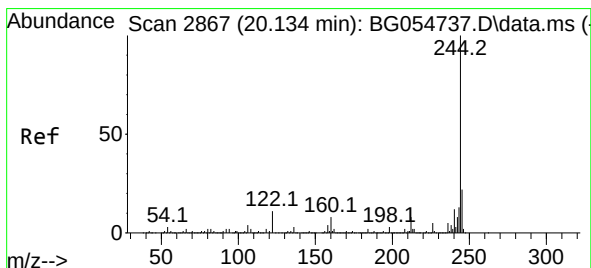
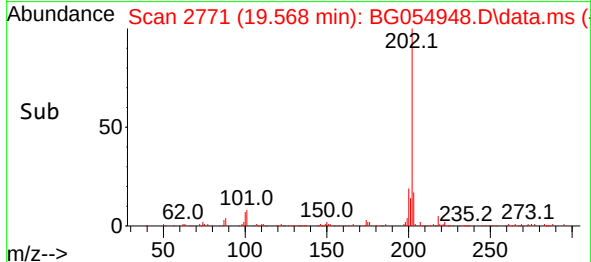
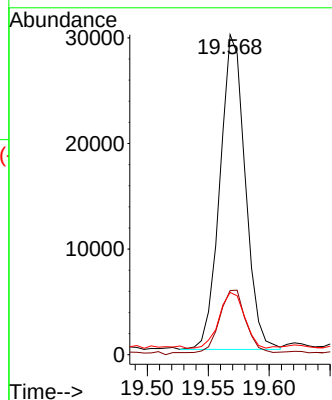
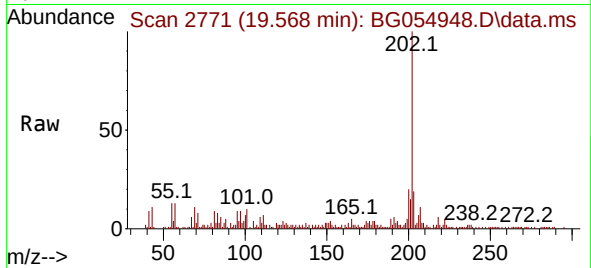




#78
 Pyrene
 Concen: 2.551 ng
 RT: 19.568 min Scan# 21
 Delta R.T. -0.365 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

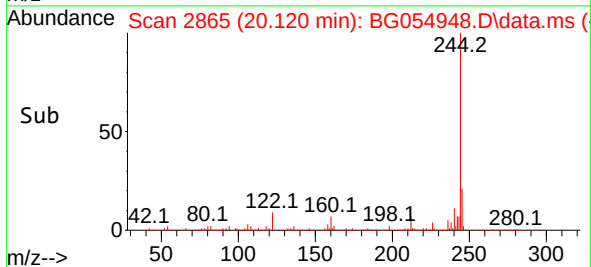
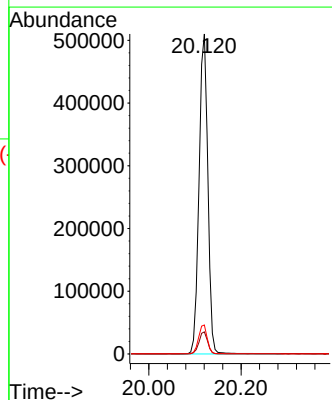
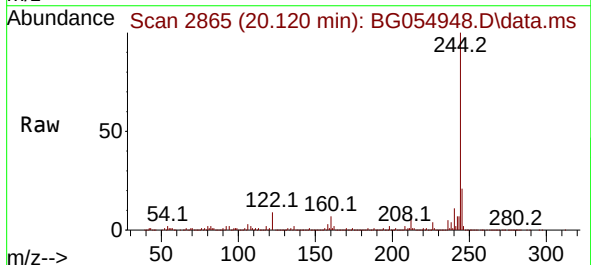
Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913

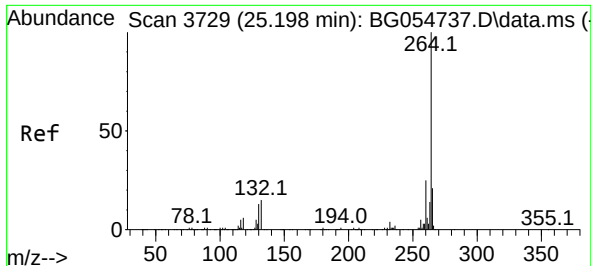
Tgt Ion:202 Resp: 43077
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.8 26.6
 203 19.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 55.172 ng
 RT: 20.120 min Scan# 2865
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

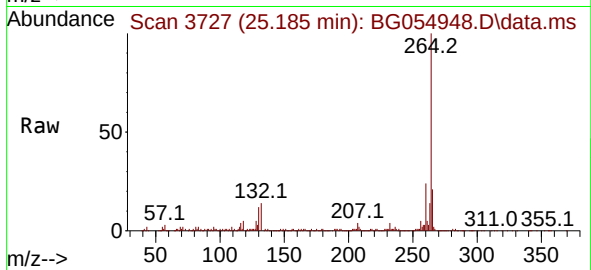
Tgt Ion:244 Resp: 674257
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.1 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.185 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054948.D
 Acq: 14 Sep 2022 18:04

Instrument :
 BNA_G
 ClientSampleId :
 OH-SOIL-0913



Tgt Ion:264 Resp: 257181
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.9 29.9
 265 21.4 16.9 25.3

