

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
 Data File : BG050605.D
 Acq On : 15 Oct 2021 16:02
 Operator : CG/JU
 Sample : M4202-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-1-DEPTH-SOILPILE-BOTTOM

Quant Time: Oct 15 18:11:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

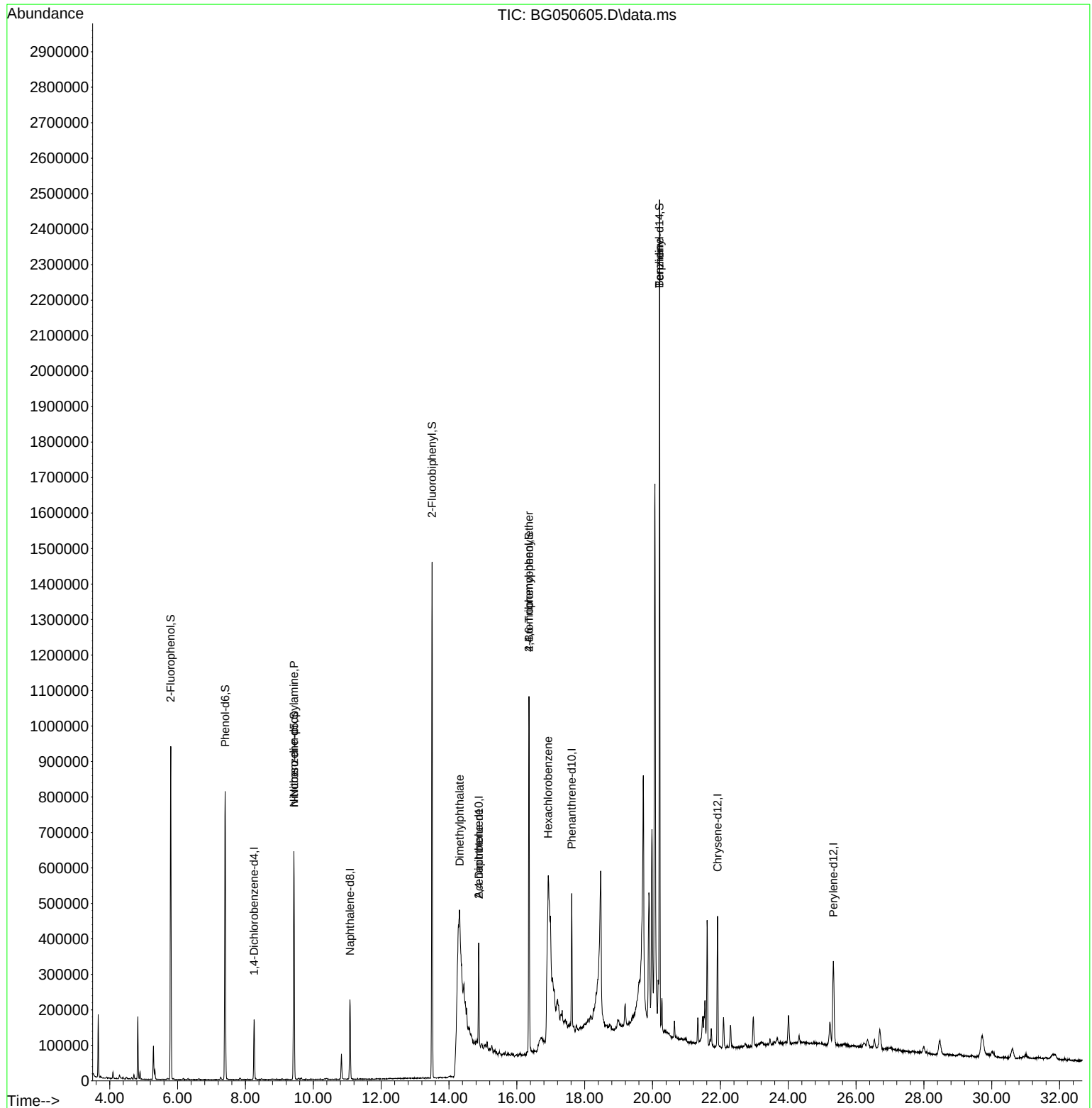
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.255	152	44360	20.000	ng	0.00
21) Naphthalene-d8	11.081	136	179886	20.000	ng	# 0.00
39) Acenaphthene-d10	14.877	164	102661	20.000	ng	0.00
64) Phenanthrene-d10	17.620	188	227787	20.000	ng	# 0.00
76) Chrysene-d12	21.915	240	229909	20.000	ng	# 0.00
86) Perylene-d12	25.329	264	227189	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	378202	127.506	ng	0.00
7) Phenol-d6	7.403	99	451887	105.225	ng	0.00
23) Nitrobenzene-d5	9.430	82	411515	94.699	ng	0.00
42) 2,4,6-Tribromophenol	16.357	330	149656	152.834	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	703777	103.175	ng	0.00
79) Terphenyl-d14	20.206	244	1006838	85.345	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.403	77	1134	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.430	70	58161	18.581	ng	# 71
50) Dimethylphthalate	14.313	163	41338	5.327	ng	# 96
57) 2,4-Dinitrotoluene	14.877	165	13597	6.207	ng	# 18
67) 4-Bromophenyl-phenylether	16.357	248	11993	5.225	ng	# 1
68) Hexachlorobenzene	16.921	284	26855	11.772	ng	# 44
77) Benzidine	20.206	184	21700	2.912	ng	# 87

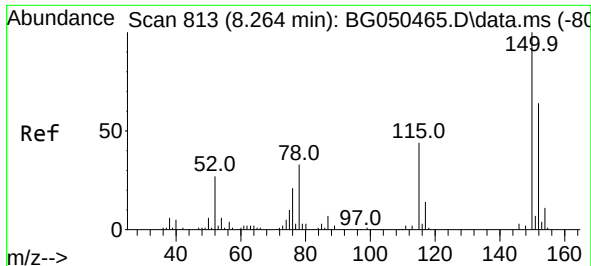
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
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CS-1-DEPTH-SOILPILE-BOTTOM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

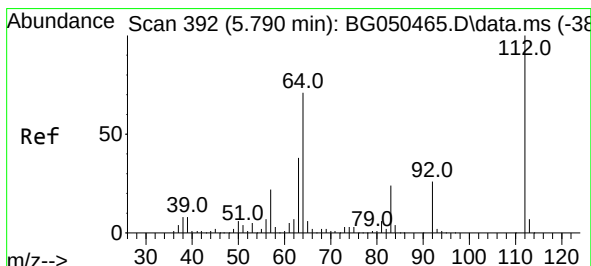
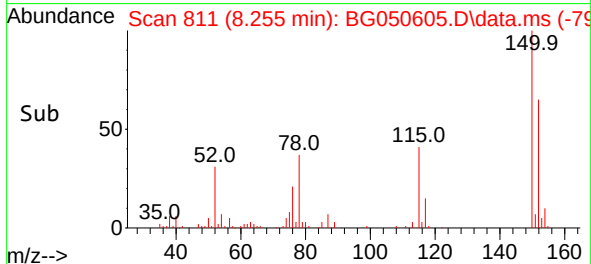
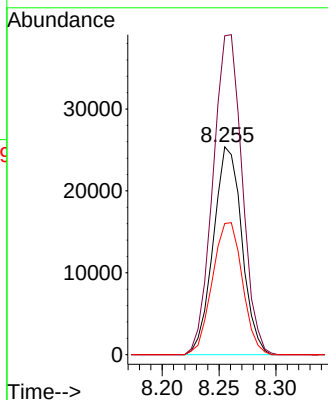
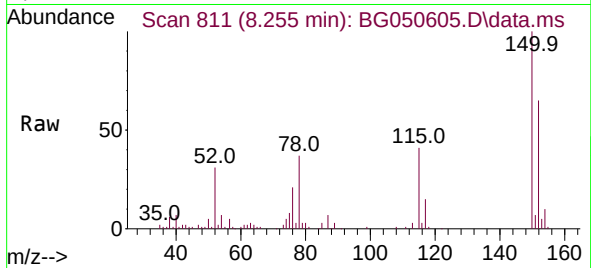




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.255 min Scan# 811
Delta R.T. -0.003 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

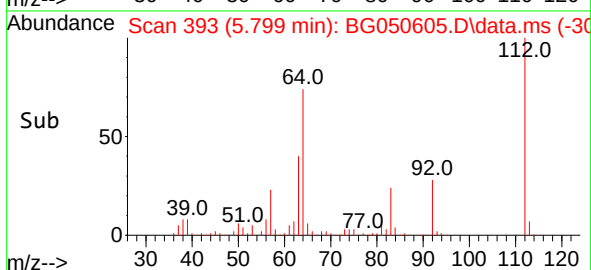
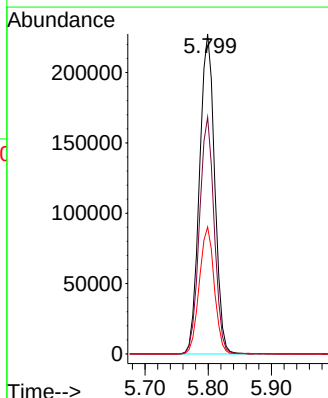
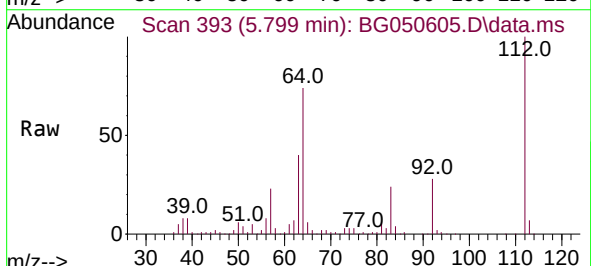
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

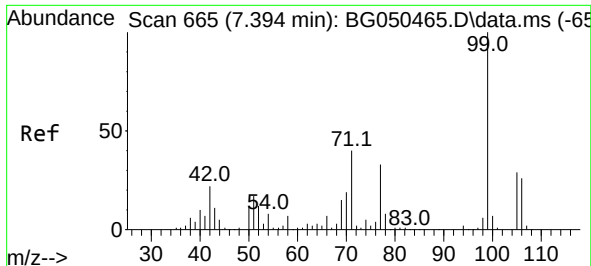
Tgt Ion:152 Resp: 44360
Ion Ratio Lower Upper
152 100
150 153.5 119.4 179.0
115 63.1 60.2 90.4



#5
2-Fluorophenol
Concen: 127.506 ng
RT: 5.799 min Scan# 393
Delta R.T. 0.008 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion:112 Resp: 378202
Ion Ratio Lower Upper
112 100
64 74.0 46.7 70.1#
63 39.7 35.3 52.9

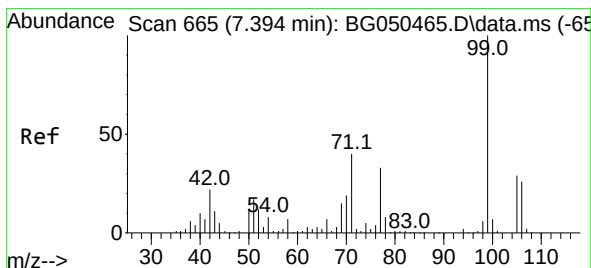
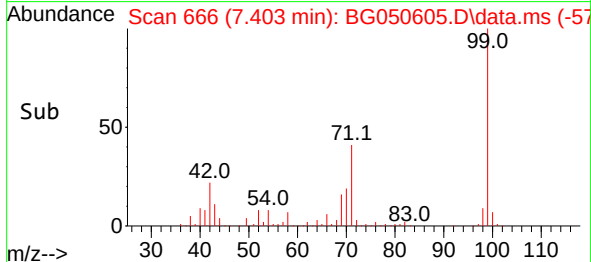
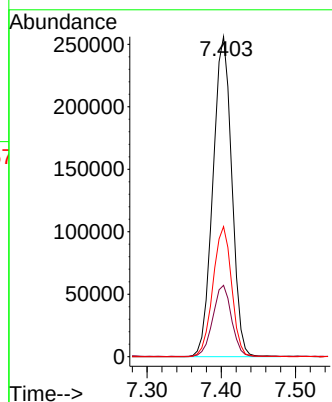
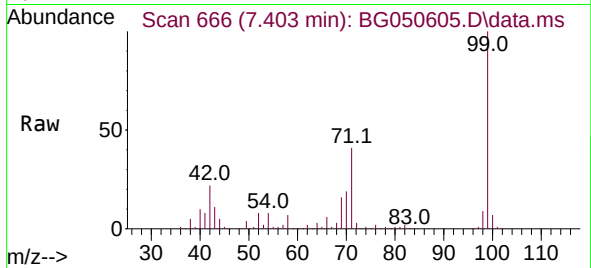




#7
Phenol-d6
Concen: 105.225 ng
RT: 7.403 min Scan# 666
Delta R.T. 0.002 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

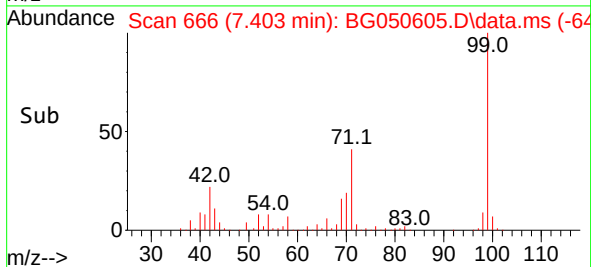
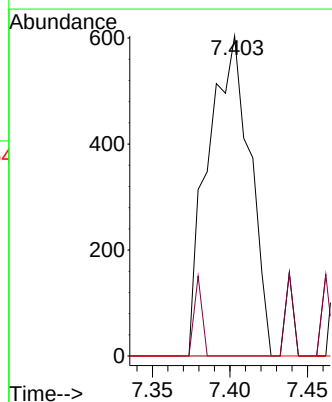
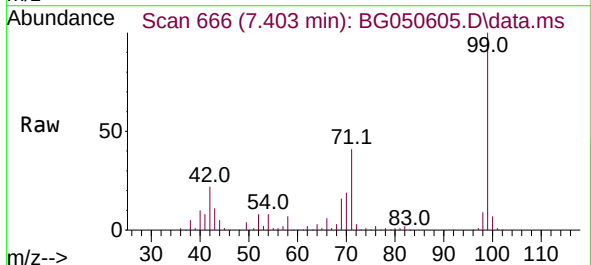
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

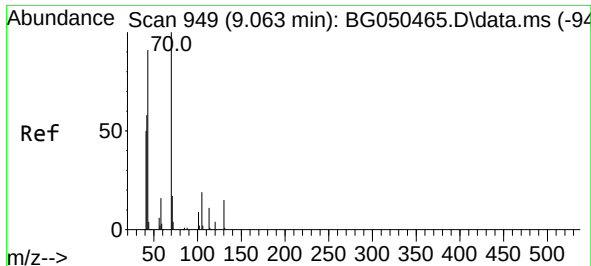
Tgt Ion: 99 Resp: 451887
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.6 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.403 min Scan# 666
Delta R.T. 0.014 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

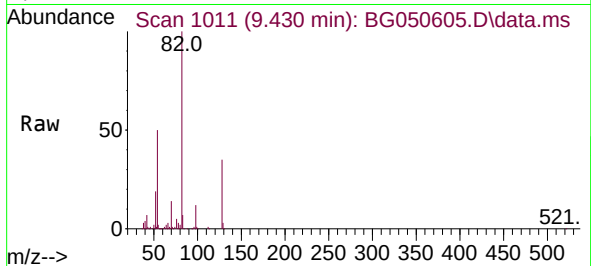
Tgt Ion: 77 Resp: 1134
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#



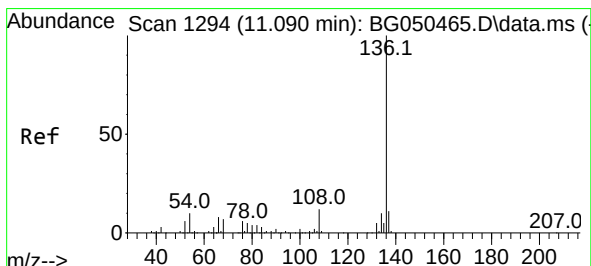
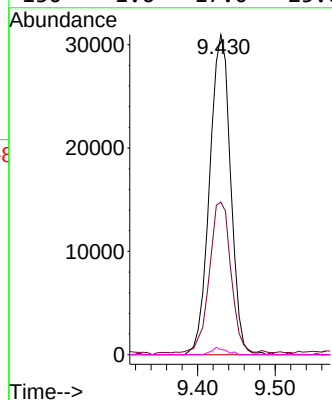
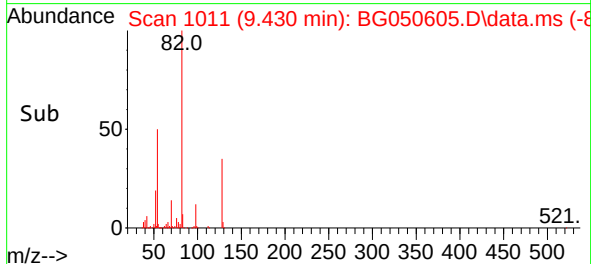


#19
n-Nitroso-di-n-propylamine
Concen: 18.581 ng
RT: 9.430 min Scan# 1011
Delta R.T. 0.373 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

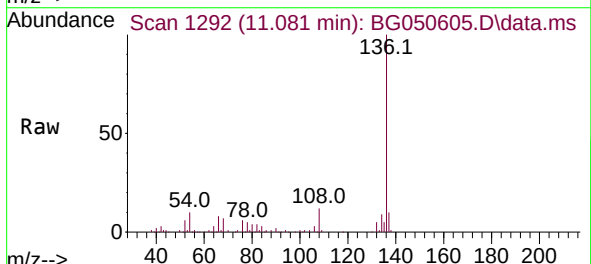
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM



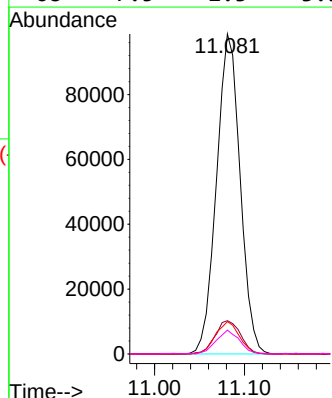
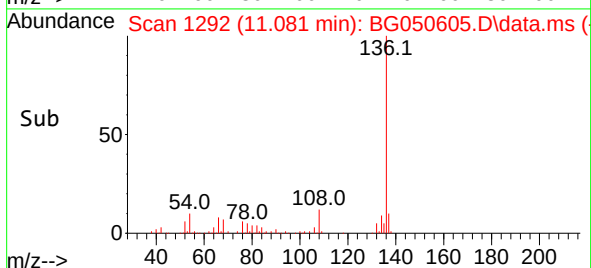
Tgt Ion: 70	Resp: 58161
Ion Ratio	Lower Upper
70	100
42	47.7 54.5 81.7#
101	0.0 9.0 13.6#
130	1.6 17.0 25.6#

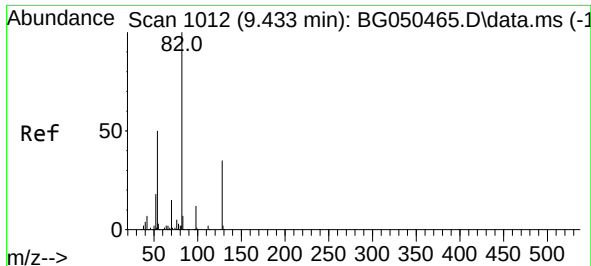


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.081 min Scan# 1292
Delta R.T. -0.003 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02



Tgt Ion: 136	Resp: 179886
Ion Ratio	Lower Upper
136	100
137	10.4 8.2 12.2
54	10.1 5.5 8.3#
68	7.5 2.3 3.5#

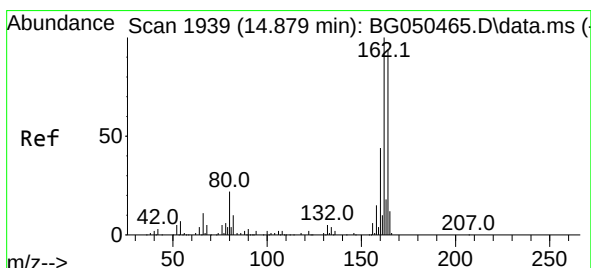
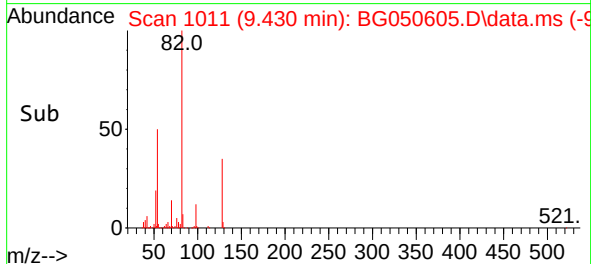
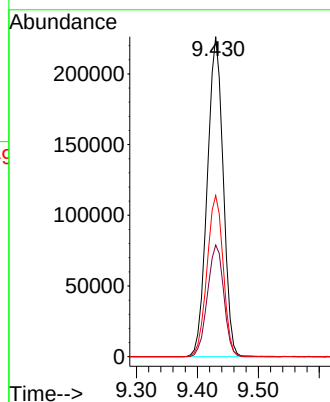
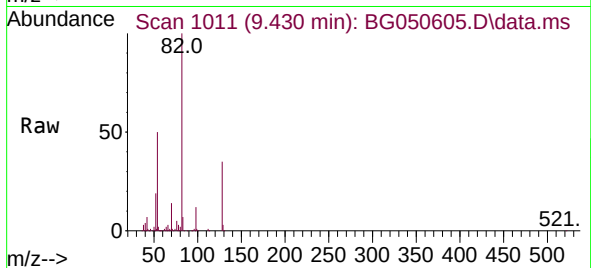




#23
Nitrobenzene-d5
Concen: 94.699 ng
RT: 9.430 min Scan# 1011
Delta R.T. 0.002 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

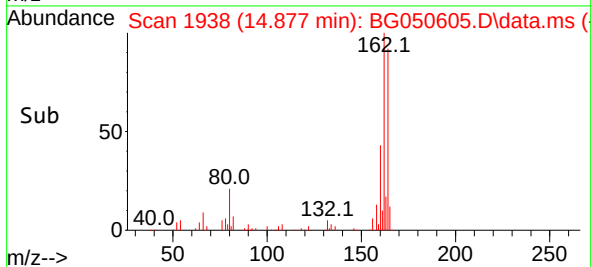
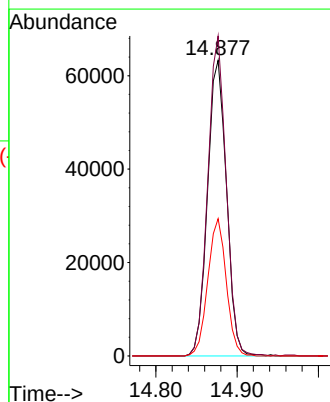
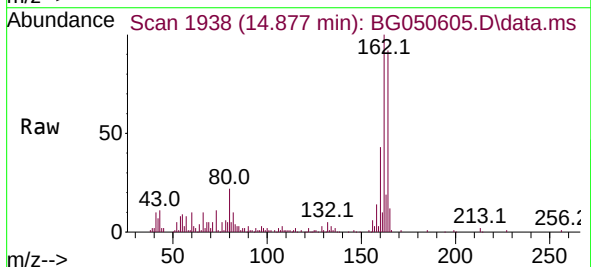
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

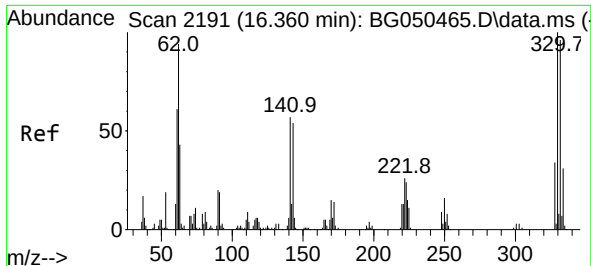
Tgt Ion: 82 Resp: 411515
Ion Ratio Lower Upper
82 100
128 34.9 29.8 44.6
54 50.3 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.877 min Scan# 1938
Delta R.T. 0.002 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion: 164 Resp: 102661
Ion Ratio Lower Upper
164 100
162 108.2 81.4 122.0
160 46.4 34.9 52.3

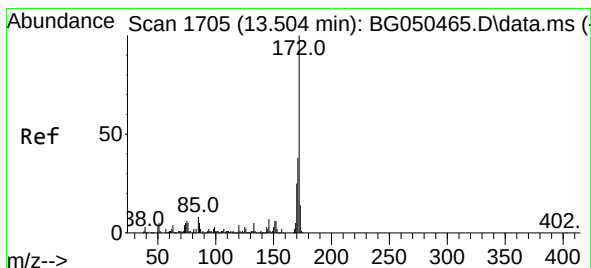
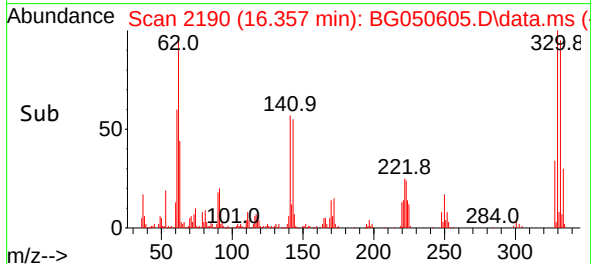
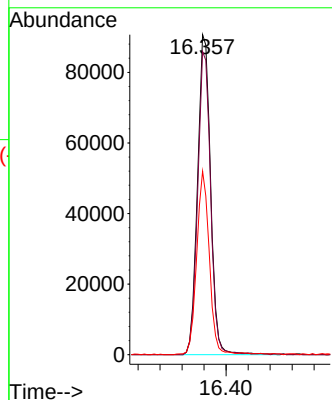
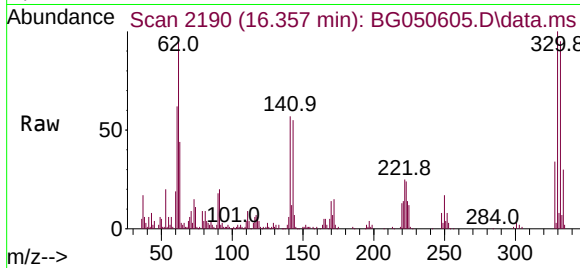




#42
2,4,6-Tribromophenol
Concen: 152.834 ng
RT: 16.357 min Scan# 2190
Delta R.T. -0.003 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

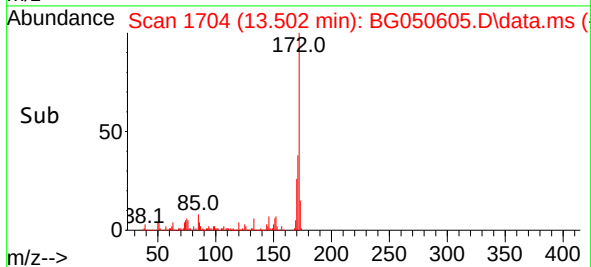
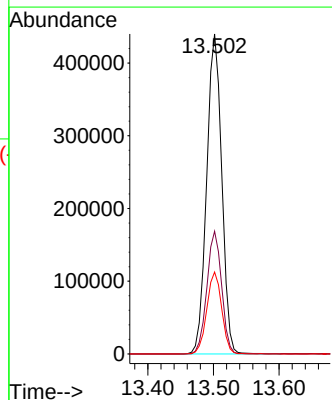
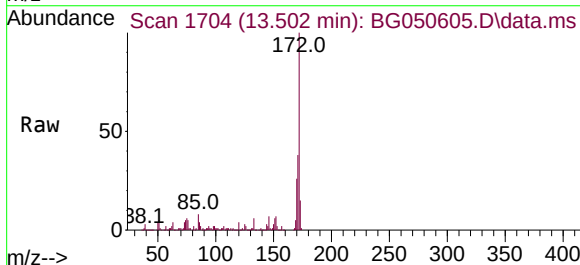
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

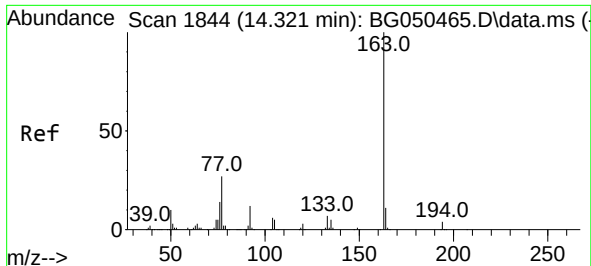
Tgt Ion:330 Resp: 149656
Ion Ratio Lower Upper
330 100
332 93.2 77.3 115.9
141 55.0 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 103.175 ng
RT: 13.502 min Scan# 1704
Delta R.T. -0.003 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion:172 Resp: 703777
Ion Ratio Lower Upper
172 100
171 38.4 28.6 43.0
170 25.6 18.6 27.8

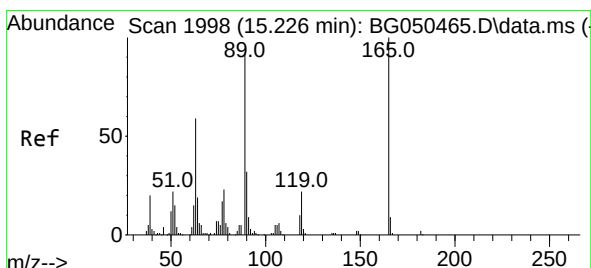
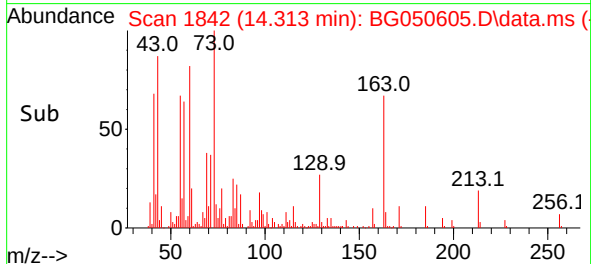
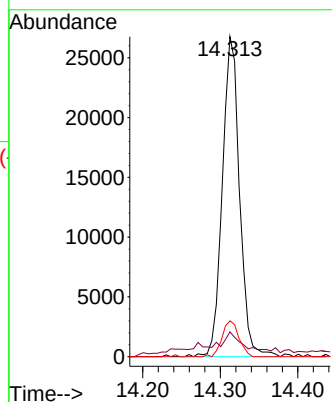
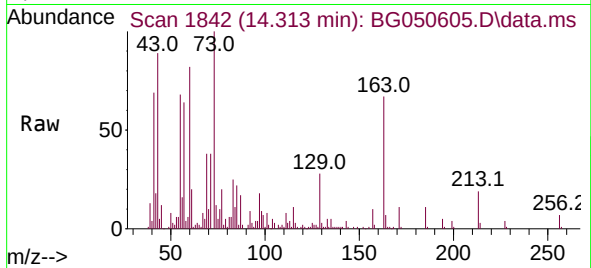




#50
Dimethylphthalate
Concen: 5.327 ng
RT: 14.313 min Scan# 1842
Delta R.T. -0.009 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

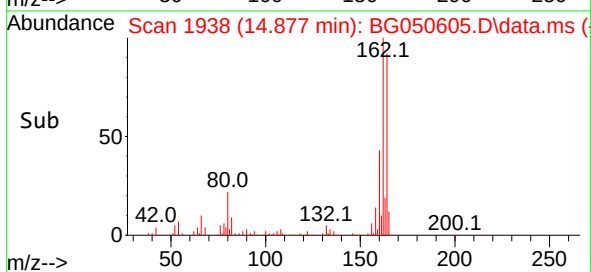
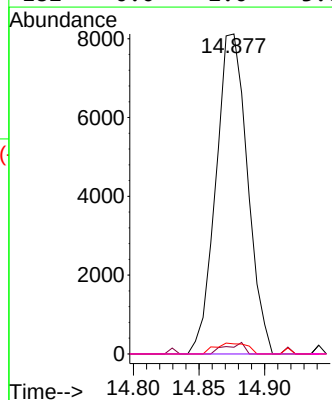
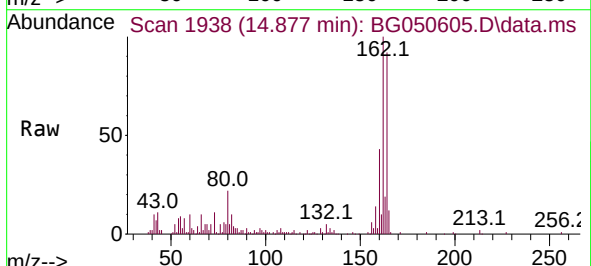
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

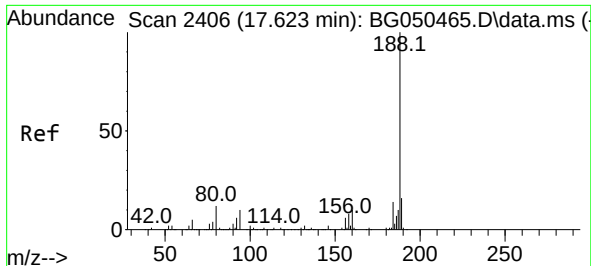
Tgt Ion:163 Resp: 41338
Ion Ratio Lower Upper
163 100
194 7.8 3.0 4.6#
164 11.2 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 6.207 ng
RT: 14.877 min Scan# 1938
Delta R.T. -0.350 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion:165 Resp: 13597
Ion Ratio Lower Upper
165 100
63 2.1 48.0 72.0#
89 3.1 65.4 98.0#
182 0.0 2.0 3.0#

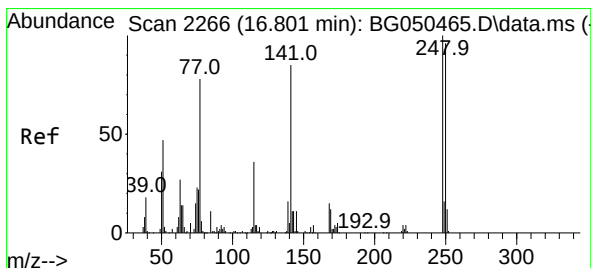
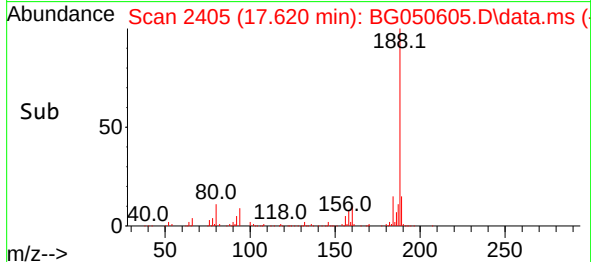
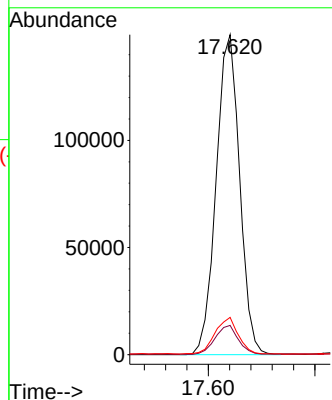
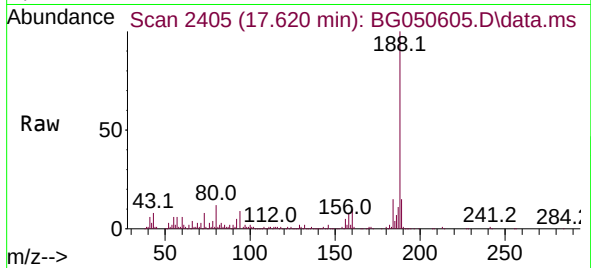




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.620 min Scan# 2405
Delta R.T. 0.002 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

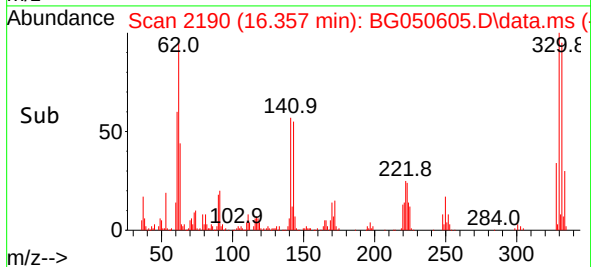
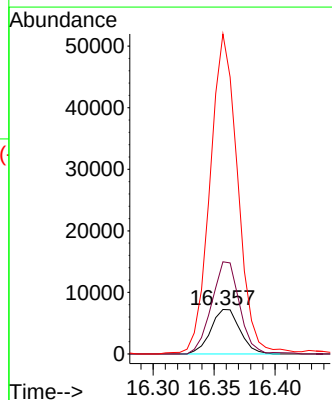
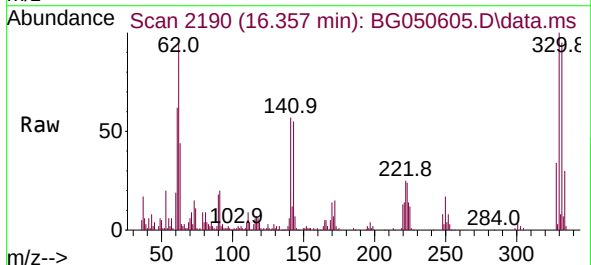
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

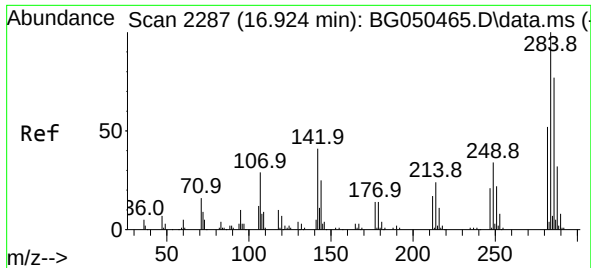
Tgt Ion:188 Resp: 227787
Ion Ratio Lower Upper
188 100
94 9.2 5.4 8.0#
80 11.6 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 5.225 ng
RT: 16.357 min Scan# 2190
Delta R.T. -0.444 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion:248 Resp: 11993
Ion Ratio Lower Upper
248 100
250 207.5 76.1 114.1#
141 720.6 65.4 98.2#

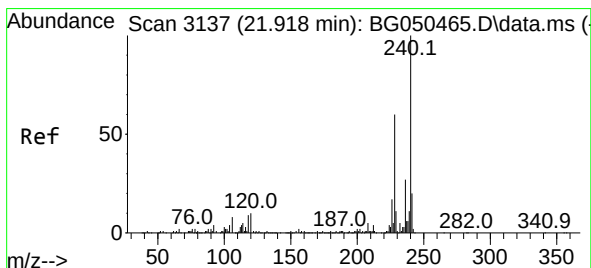
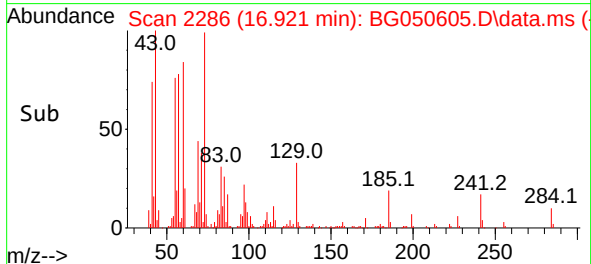
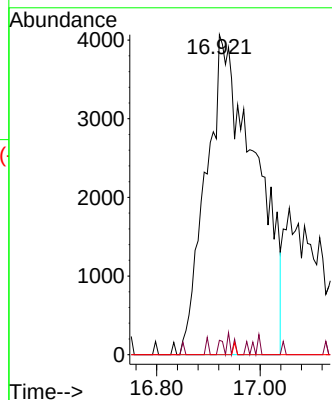
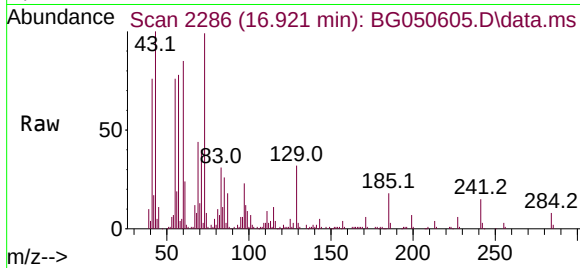




#68
Hexachlorobenzene
Concen: 11.772 ng
RT: 16.921 min Scan# 2286
Delta R.T. 0.002 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

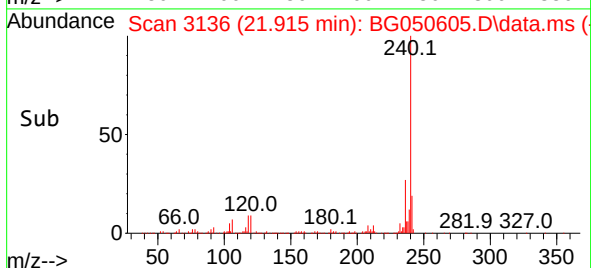
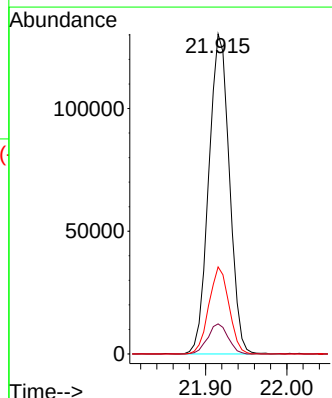
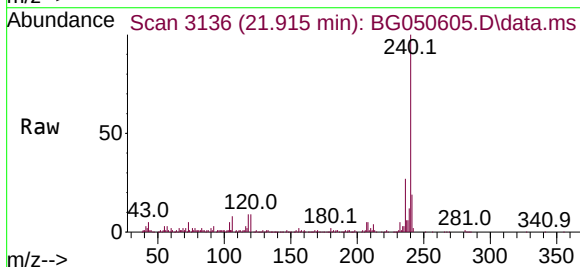
Instrument :
BNA_G
ClientSampleId :
CS-1-DEPTH-SOILPILE-BOTTOM

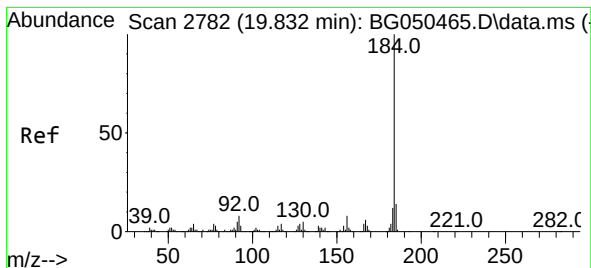
Tgt Ion:284 Resp: 26855
Ion Ratio Lower Upper
284 100
142 4.5 27.0 40.6#
249 0.0 28.2 42.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050605.D
Acq: 15 Oct 2021 16:02

Tgt Ion:240 Resp: 229909
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 27.2 21.8 32.6





#77

Benzidine

Concen: 2.912 ng

RT: 20.206 min Scan# 2845

Delta R.T. 0.373 min

Lab File: BG050605.D

Acq: 15 Oct 2021 16:02

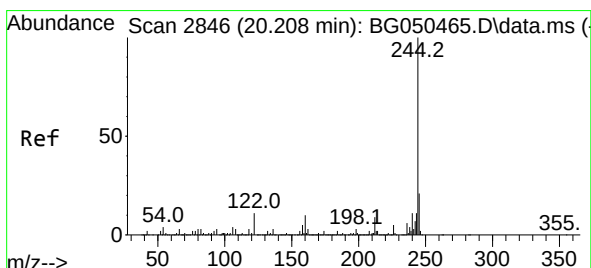
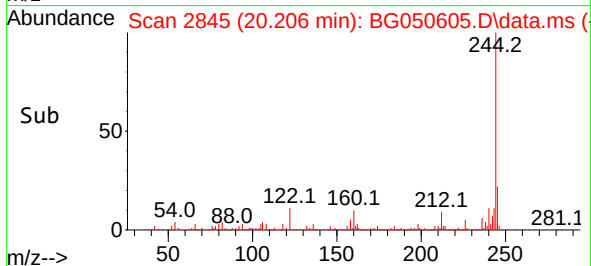
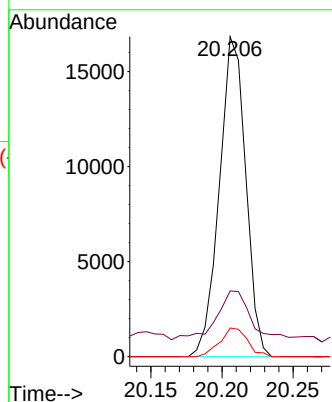
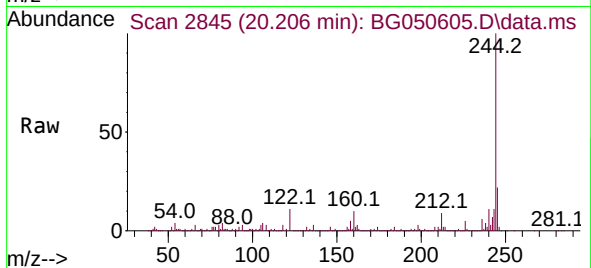
Instrument :

BNA_G

ClientSampleId :

CS-1-DEPTH-SOILPILE-BOTTOM

Tgt Ion:184	Resp:	21700
Ion Ratio	Lower	Upper
184	100	
185	20.5	10.7 16.1#
183	8.9	9.4 14.0#



#79

Terphenyl-d14

Concen: 85.345 ng

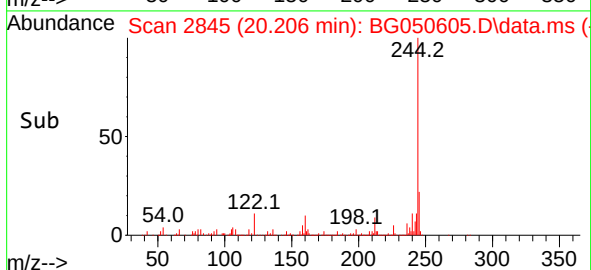
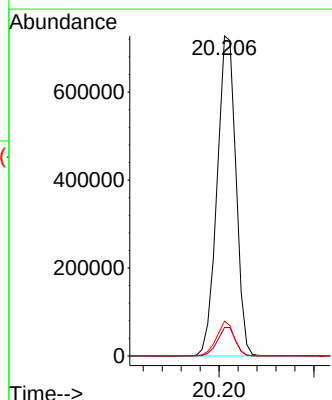
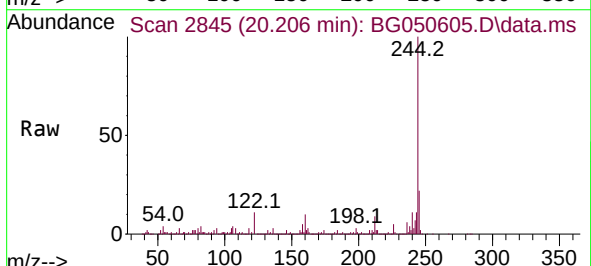
RT: 20.206 min Scan# 2845

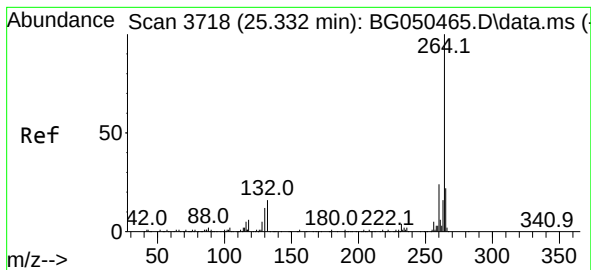
Delta R.T. -0.003 min

Lab File: BG050605.D

Acq: 15 Oct 2021 16:02

Tgt Ion:244	Resp:	1006838
Ion Ratio	Lower	Upper
244	100	
212	8.9	6.9 10.3
122	10.9	5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.329 min Scan# 3717
 Delta R.T. -0.003 min
 Lab File: BG050605.D
 Acq: 15 Oct 2021 16:02

Instrument :
 BNA_G
 ClientSampleId :
 CS-1-DEPTH-SOILPILE-BOTTOM

Tgt Ion:264 Resp: 227189
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.4 29.2
 265 21.5 16.9 25.3

