

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101521\
 Data File : BG050609.D
 Acq On : 15 Oct 2021 18:49
 Operator : CG/JU
 Sample : M4221-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSHQ-CONCRETE

Quant Time: Oct 18 06:32:37 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)

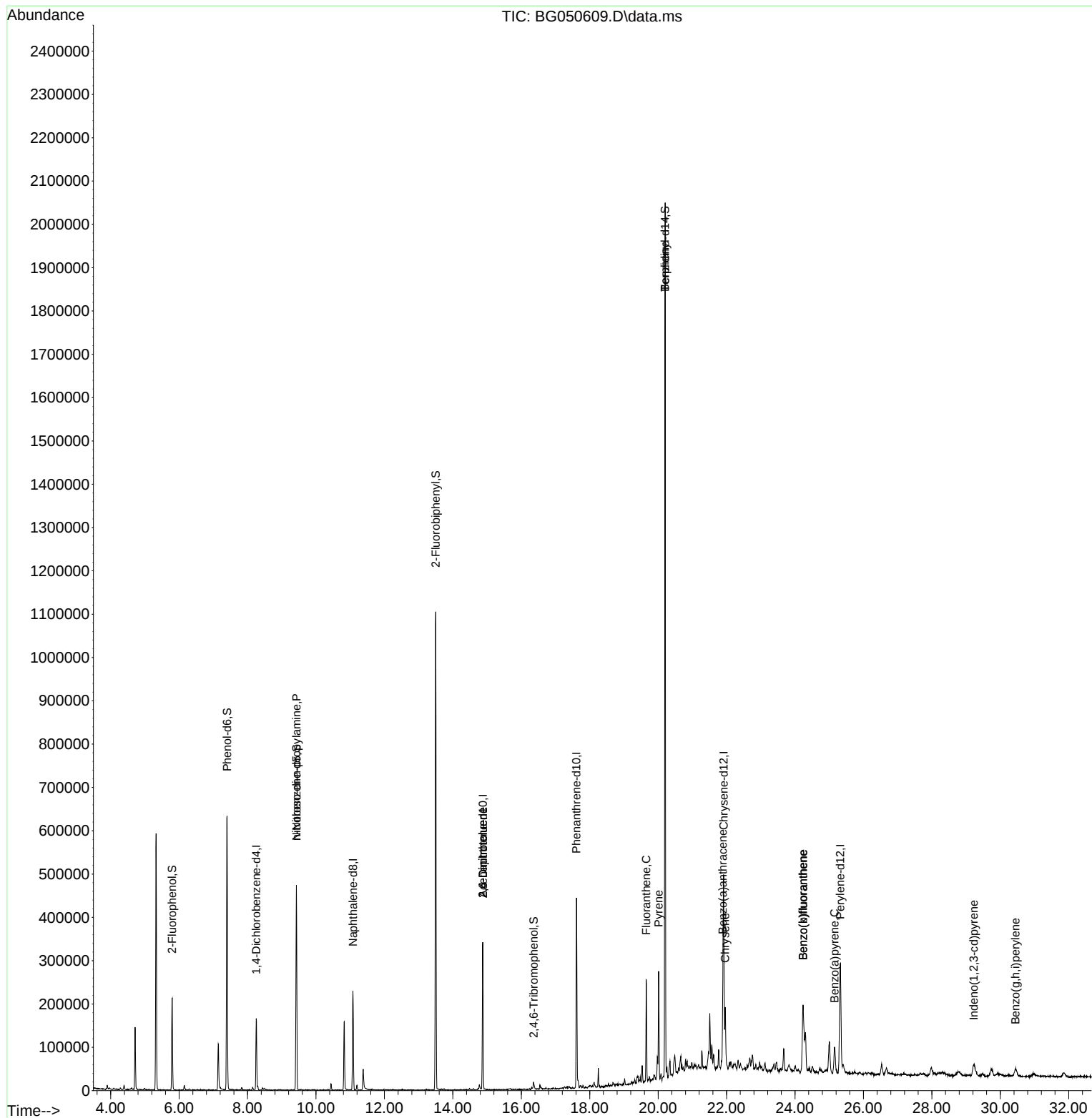
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	43213	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	182482	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	121376	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	276723	20.000	ng	# 0.00
76) Chrysene-d12	21.913	240	239067	20.000	ng	#-0.01
86) Perylene-d12	25.321	264	240572	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	92206	31.911	ng	0.00
7) Phenol-d6	7.401	99	356072	85.115	ng	0.00
23) Nitrobenzene-d5	9.428	82	305771	69.364	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	3299	2.850	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	558428	69.244	ng	0.00
79) Terphenyl-d14	20.203	244	864074	70.437	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.395	77	749	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	43425	14.242	ng	# 70
51) 2,6-Dinitrotoluene	14.874	165	15709	8.549	ng	# 13
57) 2,4-Dinitrotoluene	14.874	165	15709	6.065	ng	# 19
75) Fluoranthene	19.651	202	147535	8.231	ng	94
77) Benzidine	20.203	184	16506	2.130	ng	95
78) Pyrene	20.015	202	151078	8.907	ng	99
81) Benzo(a)anthracene	21.890	228	107753	6.812	ng	97
83) Chrysene	21.960	228	112282	7.546	ng	96
87) Indeno(1,2,3-cd)pyrene	29.222	276	47206	2.817	ng	# 91
88) Benzo(b)fluoranthene	24.234	252	191972	13.030	ng	# 96
89) Benzo(k)fluoranthene	24.234	252	191972	13.245	ng	# 94
90) Benzo(a)pyrene	25.156	252	67514	5.390	ng	# 92
92) Benzo(g,h,i)perylene	30.438	276	34592	2.548	ng	# 90

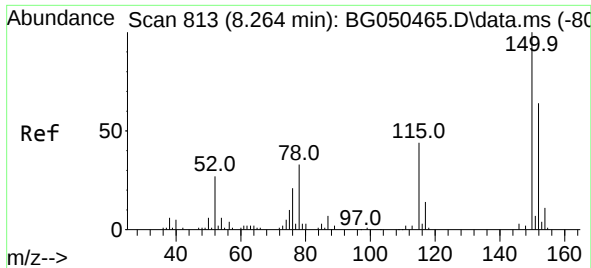
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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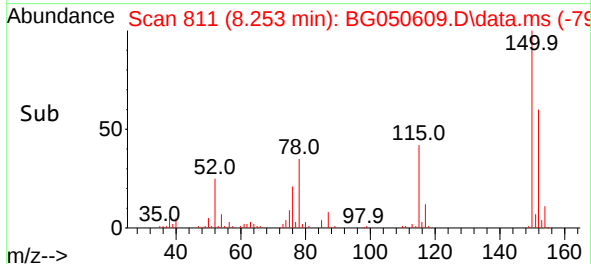
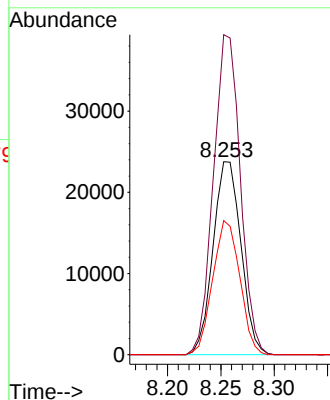
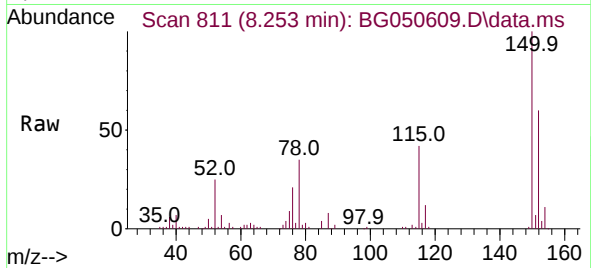




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

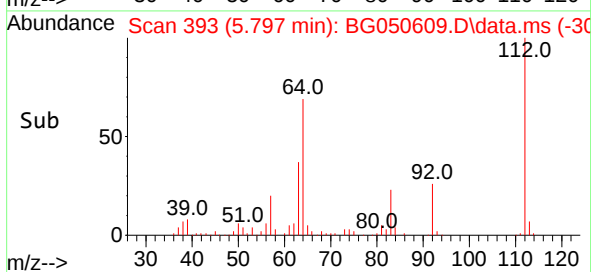
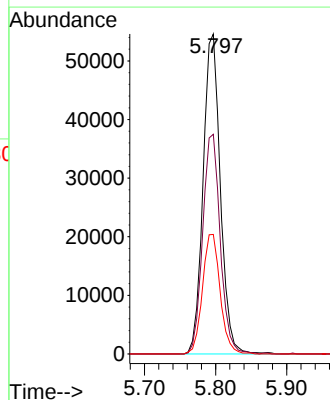
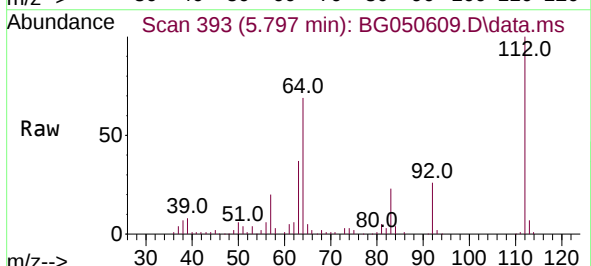
Instrument :
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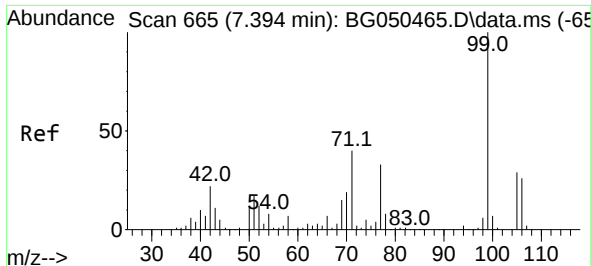
Tgt Ion:152 Resp: 43213
Ion Ratio Lower Upper
152 100
150 165.9 119.4 179.0
115 69.5 60.2 90.4



#5
2-Fluorophenol
Concen: 31.911 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:112 Resp: 92206
Ion Ratio Lower Upper
112 100
64 68.7 46.7 70.1
63 37.3 35.3 52.9

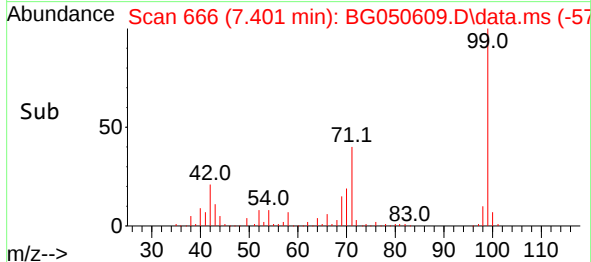
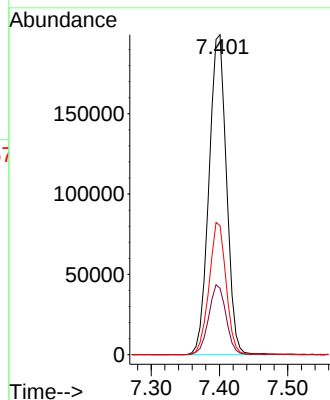
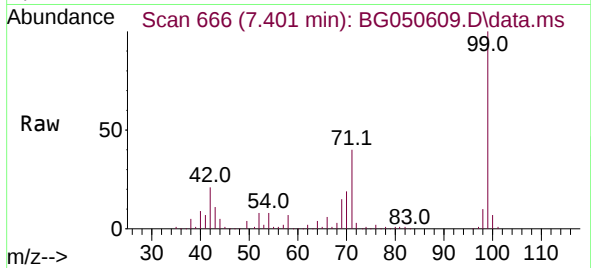




#7
Phenol-d6
Concen: 85.115 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.000 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

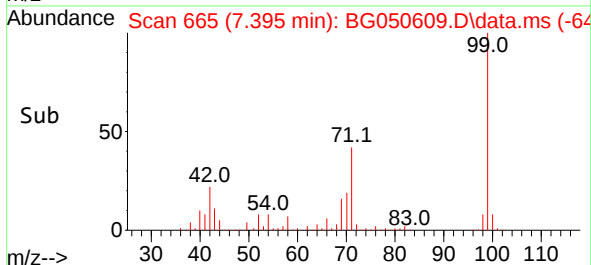
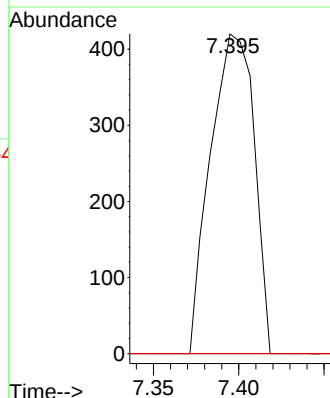
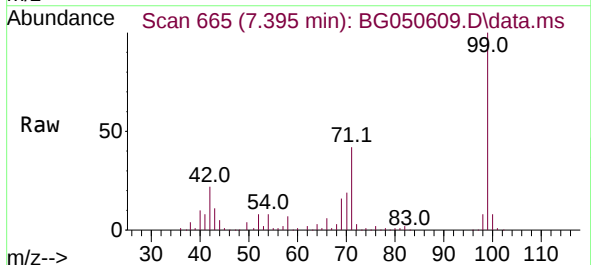
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

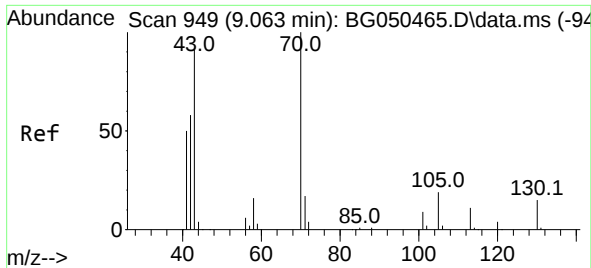
Tgt Ion: 99 Resp: 356072
Ion Ratio Lower Upper
99 100
42 20.8 20.5 30.7
71 40.4 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion: 77 Resp: 749
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

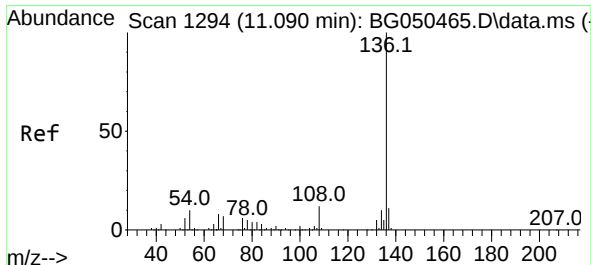
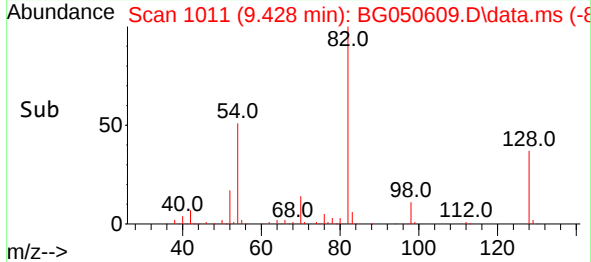
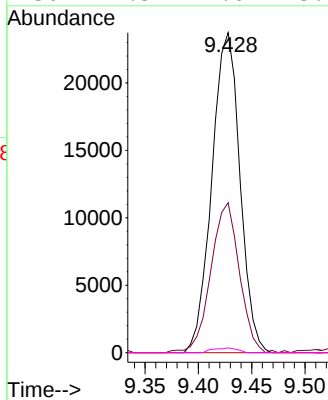
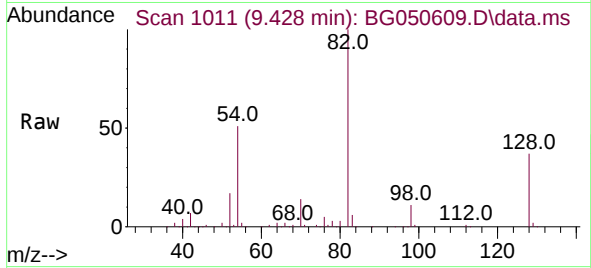




#19
n-Nitroso-di-n-propylamine
Concen: 14.242 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

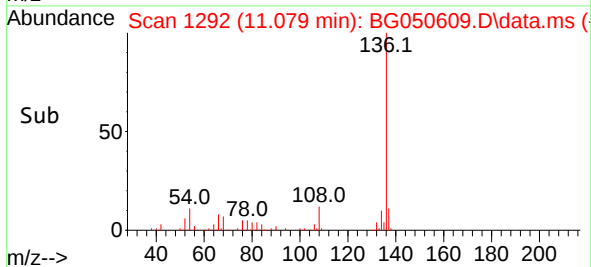
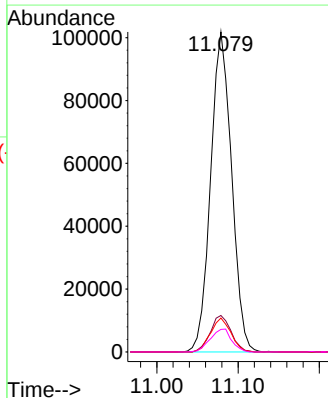
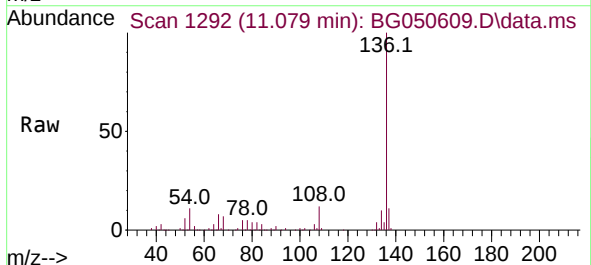
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

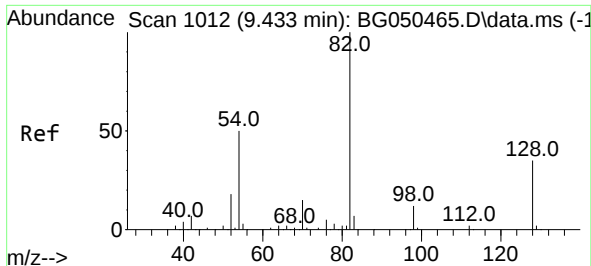
Tgt Ion: 70 Resp: 43425
Ion Ratio Lower Upper
70 100
42 46.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:136 Resp: 182482
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 10.6 5.5 8.3#
68 7.1 2.3 3.5#

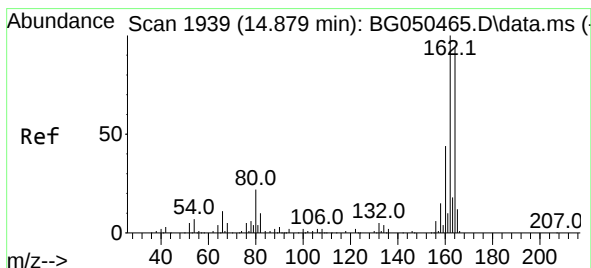
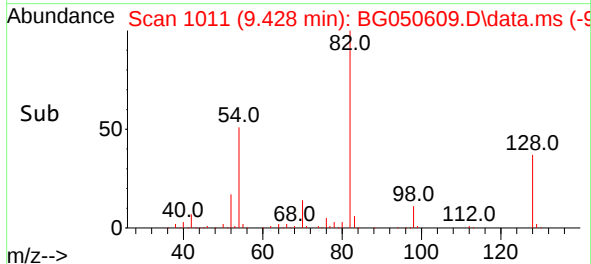
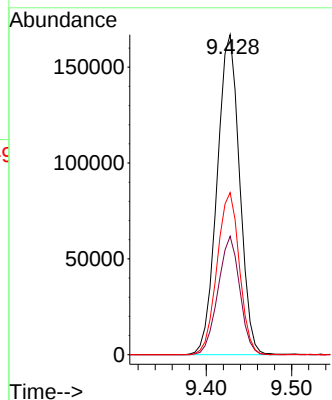
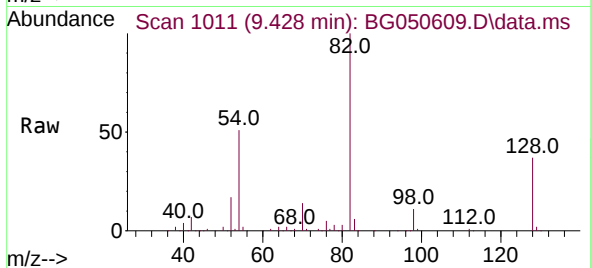




#23
Nitrobenzene-d5
Concen: 69.364 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

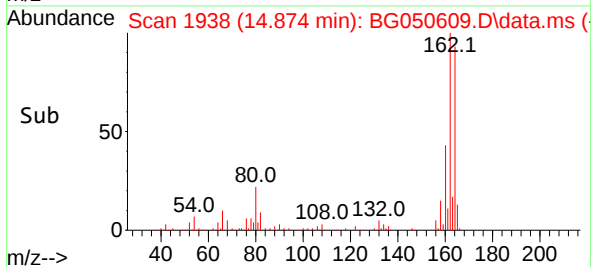
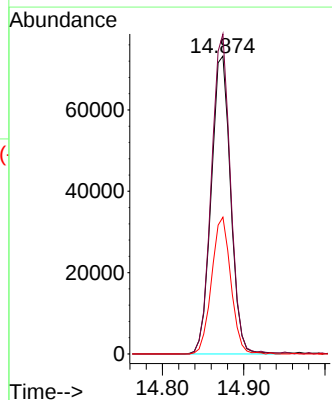
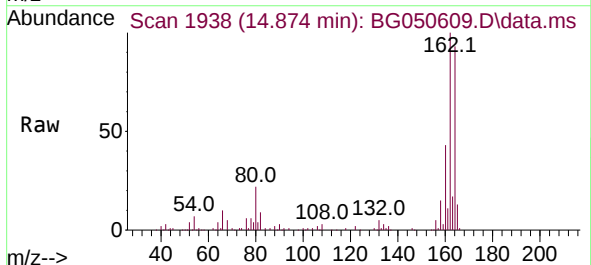
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

Tgt Ion: 82 Resp: 305771
Ion Ratio Lower Upper
82 100
128 37.0 29.8 44.6
54 50.6 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:164 Resp: 121376
Ion Ratio Lower Upper
164 100
162 107.4 81.4 122.0
160 45.9 34.9 52.3

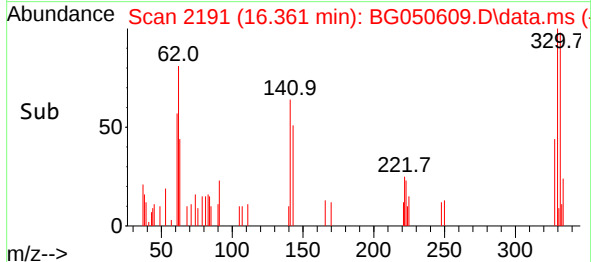
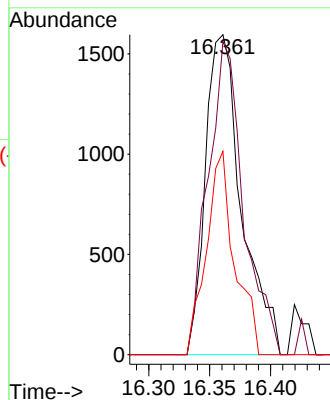
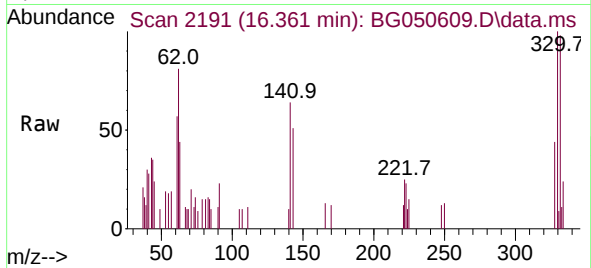




#42
2,4,6-Tribromophenol
Concen: 2.850 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

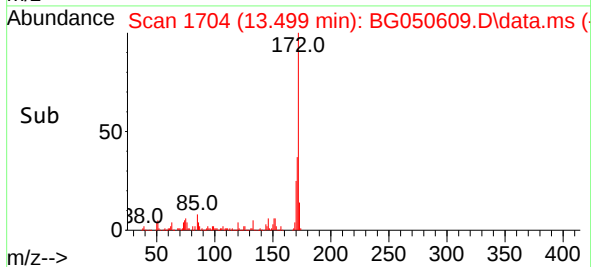
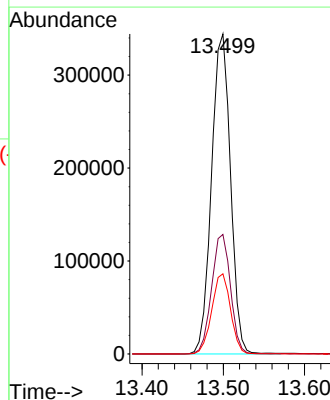
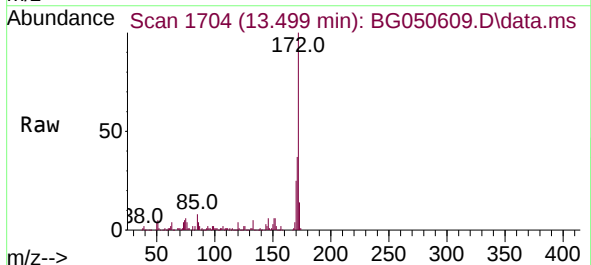
Instrument :
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ClientSampleId :
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Tgt Ion:	330	Resp:	3299
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.3	115.9
141	49.5	35.6	53.4



#45
2-Fluorobiphenyl
Concen: 69.244 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:	172	Resp:	558428
Ion Ratio	Lower	Upper	
172	100		
171	37.3	28.6	43.0
170	25.0	18.6	27.8

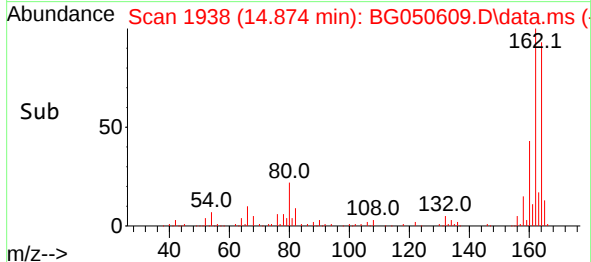
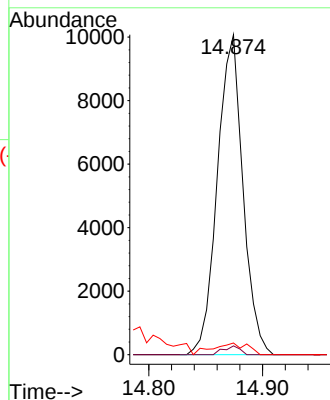
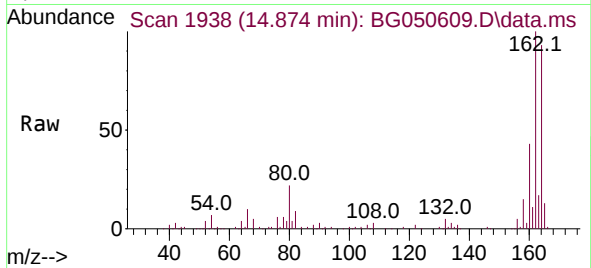




#51
2,6-Dinitrotoluene
Concen: 8.549 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.429 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

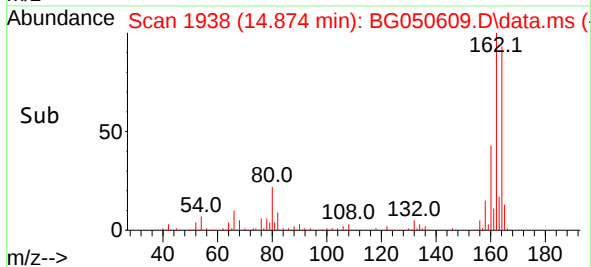
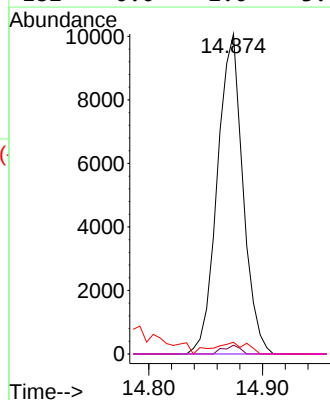
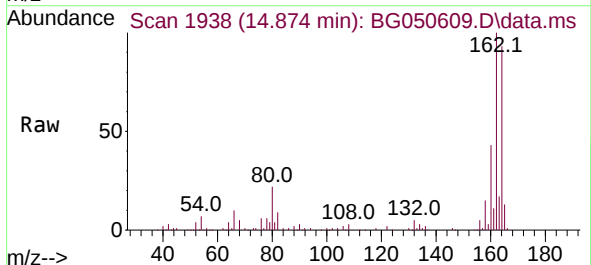
Instrument :
BNA_G
ClientSampleId :
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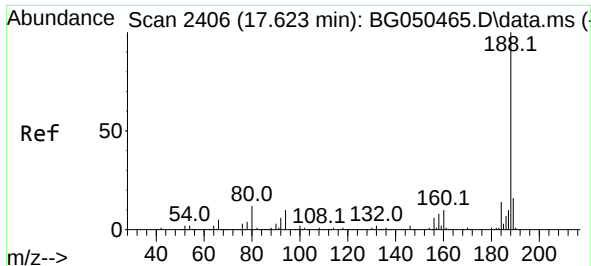
Tgt Ion:165 Resp: 15709
Ion Ratio Lower Upper
165 100
63 2.7 63.3 94.9#
89 3.7 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.352 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:165 Resp: 15709
Ion Ratio Lower Upper
165 100
63 2.7 48.0 72.0#
89 3.7 65.4 98.0#
182 0.0 2.0 3.0#

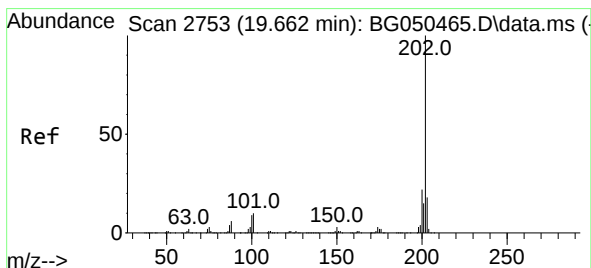
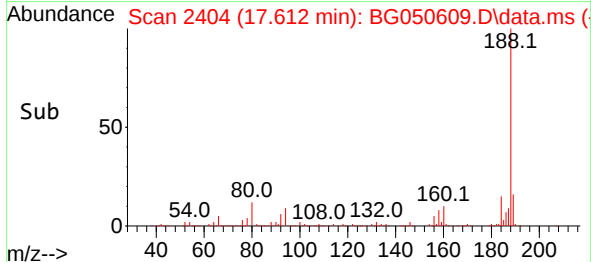
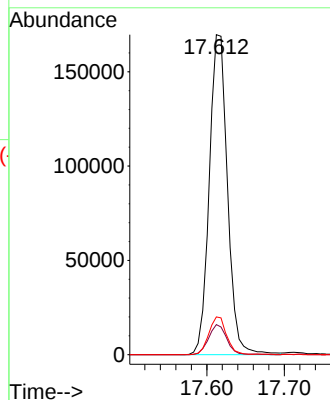
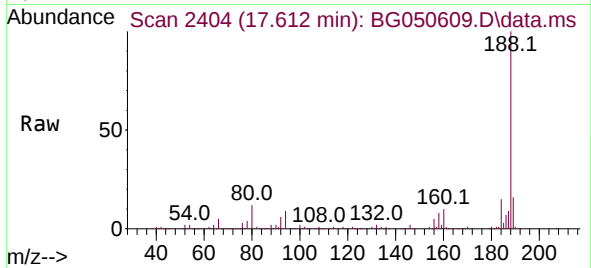




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

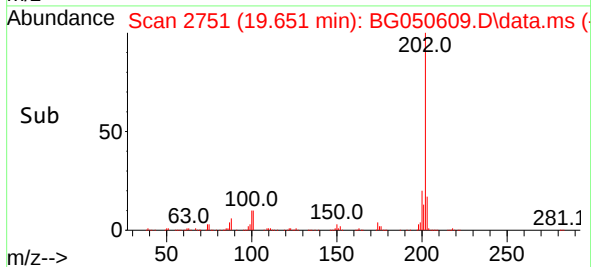
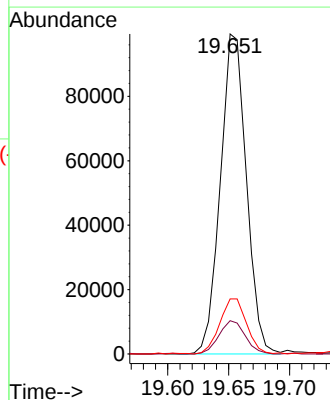
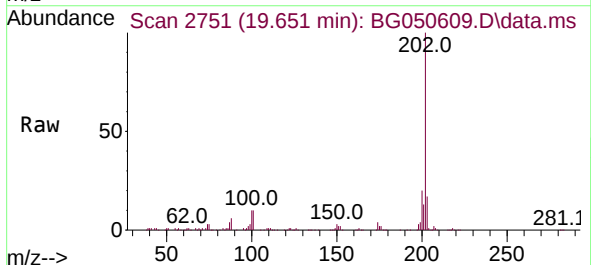
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

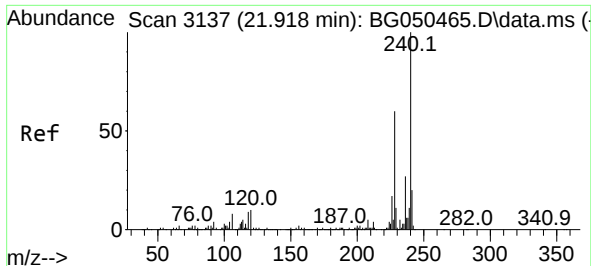
Tgt Ion:188 Resp: 276723
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 11.8 3.7 5.5#



#75
Fluoranthene
Concen: 8.231 ng
RT: 19.651 min Scan# 2751
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:202 Resp: 147535
Ion Ratio Lower Upper
202 100
101 10.4 0.0 24.7
203 17.2 0.0 38.5

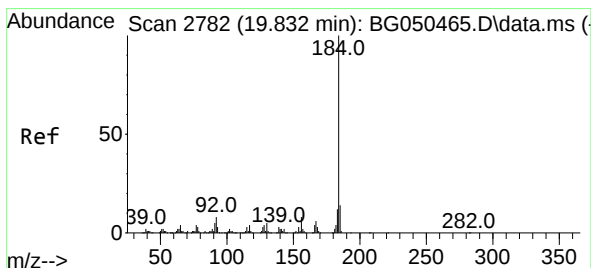
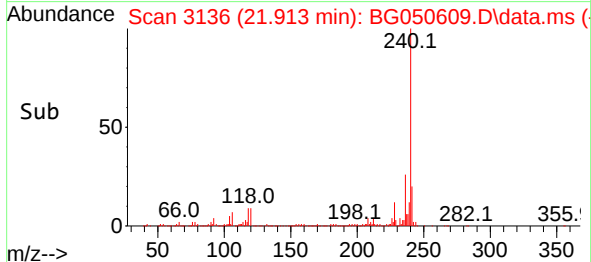
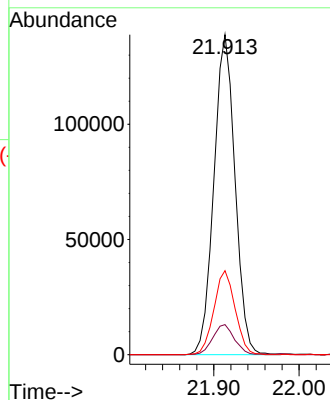
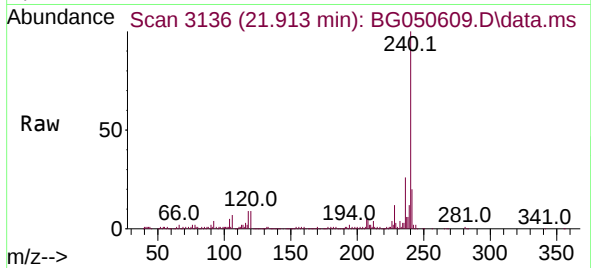




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

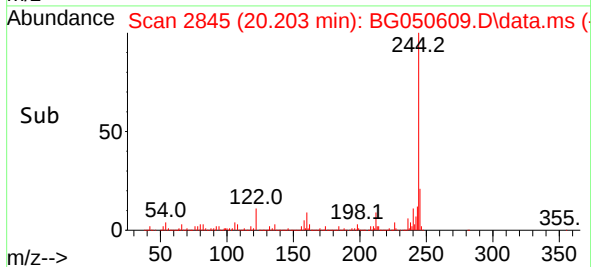
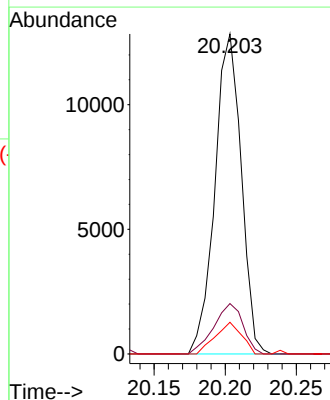
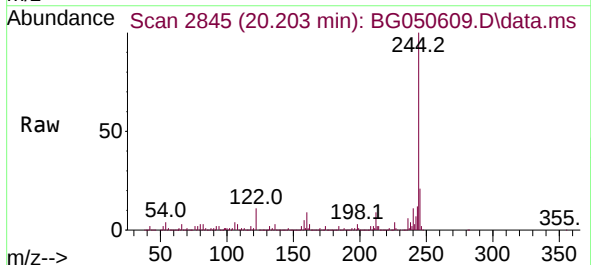
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

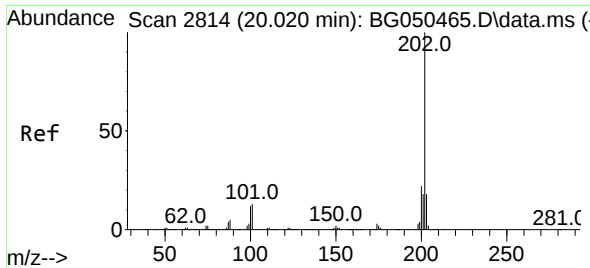
Tgt Ion:240 Resp: 239067
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 26.2 21.8 32.6



#77
Benzidine
Concen: 2.130 ng
RT: 20.203 min Scan# 2845
Delta R.T. 0.370 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:184 Resp: 16506
Ion Ratio Lower Upper
184 100
185 15.8 10.7 16.1
183 9.9 9.4 14.0

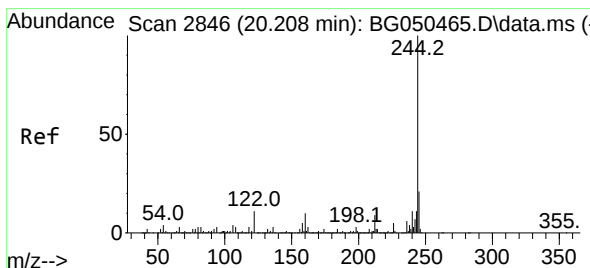
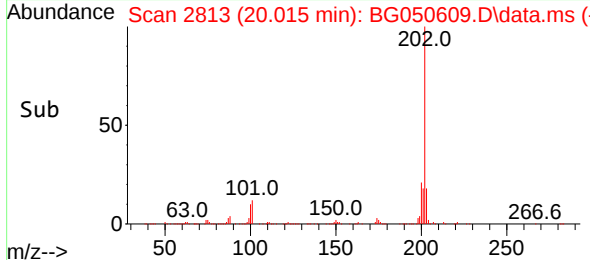
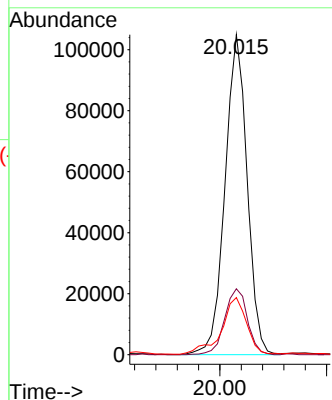
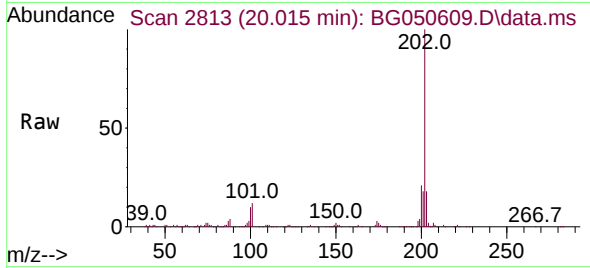




#78
Pyrene
Concen: 8.907 ng
RT: 20.015 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

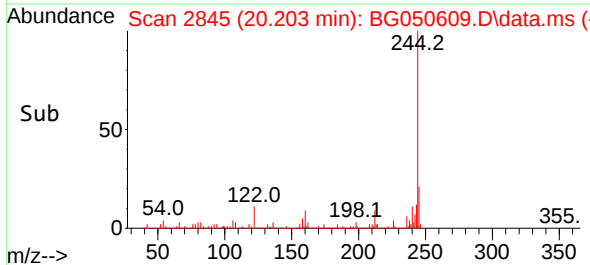
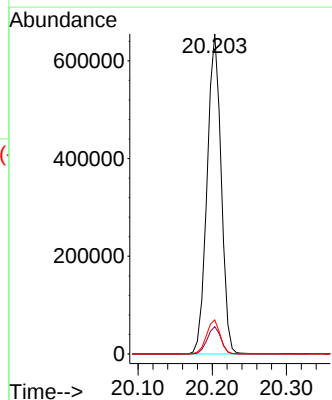
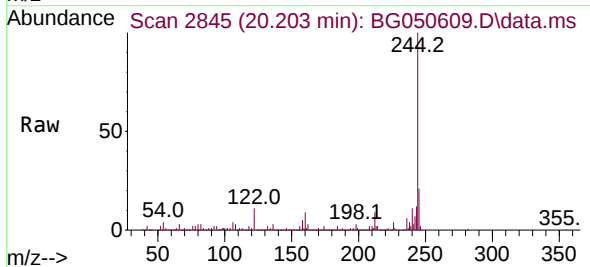
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

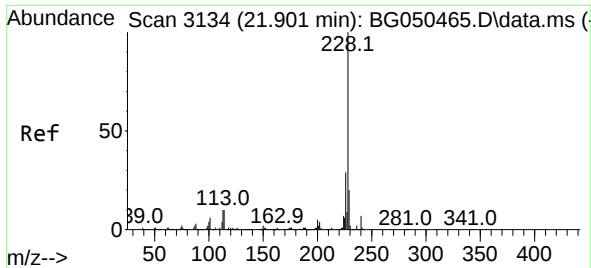
Tgt Ion:202 Resp: 151078
Ion Ratio Lower Upper
202 100
200 20.6 15.8 23.8
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 70.437 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:244 Resp: 864074
Ion Ratio Lower Upper
244 100
212 8.6 6.9 10.3
122 10.7 5.0 7.6#

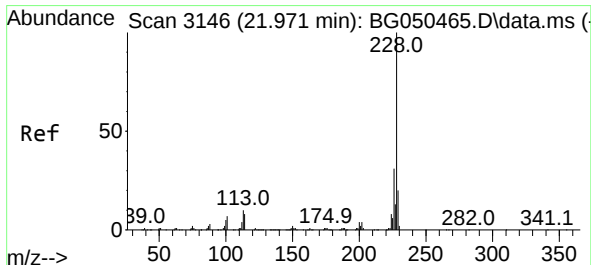
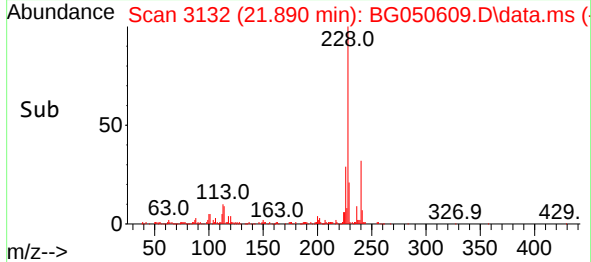
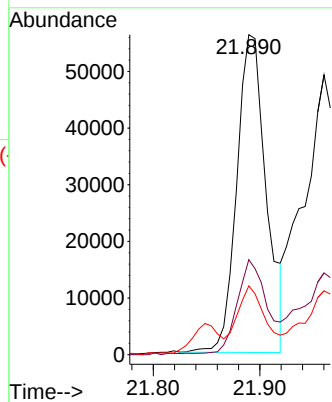
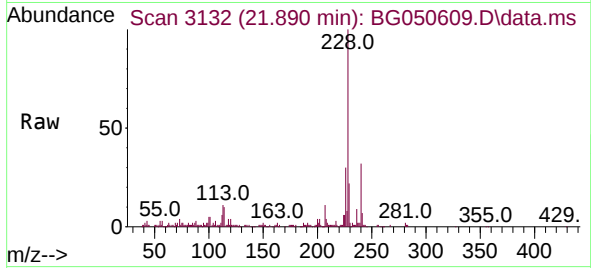




#81
Benzo(a)anthracene
Concen: 6.812 ng
RT: 21.890 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

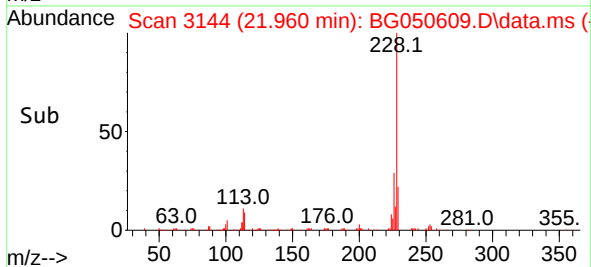
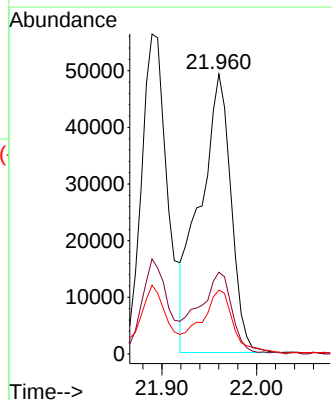
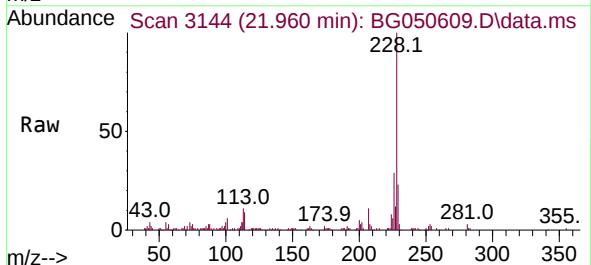
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

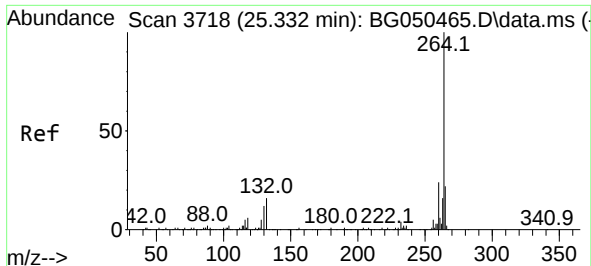
Tgt Ion:228 Resp: 107753
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 21.5 16.0 24.0



#83
Chrysene
Concen: 7.546 ng
RT: 21.960 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:228 Resp: 112282
Ion Ratio Lower Upper
228 100
226 29.2 23.1 34.7
229 22.8 15.3 22.9

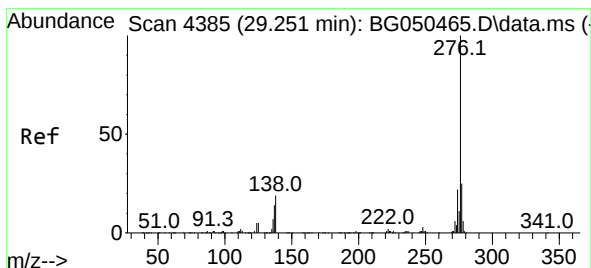
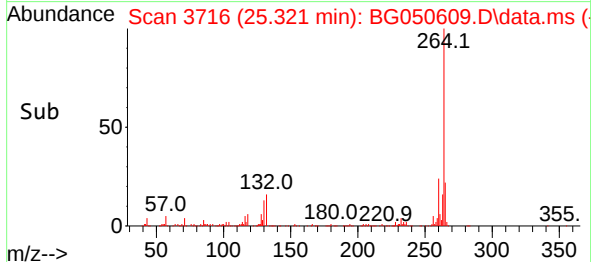
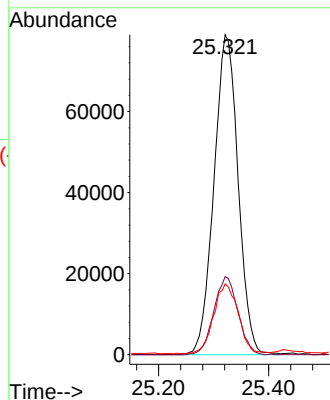
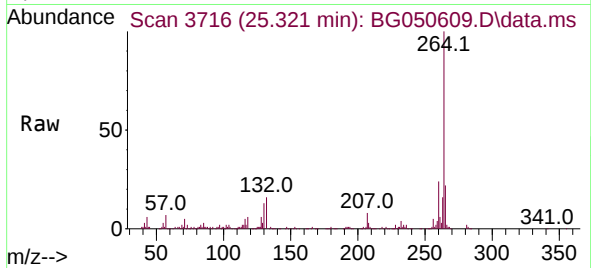




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.321 min Scan# 3716
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

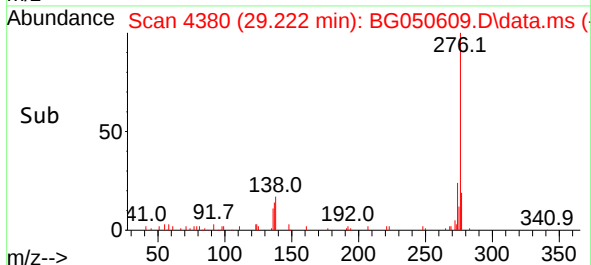
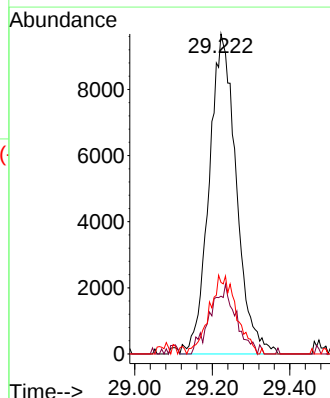
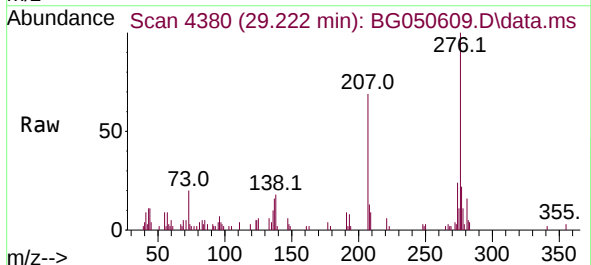
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

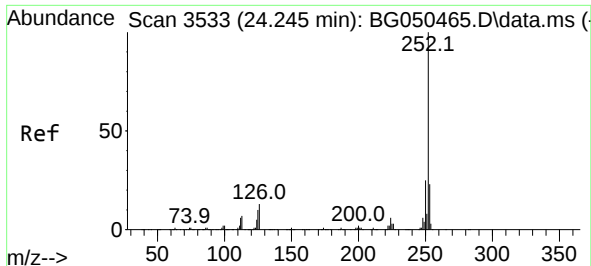
Tgt Ion:	264	Resp:	240572
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	22.1	16.9	25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.817 ng
RT: 29.222 min Scan# 4380
Delta R.T. -0.041 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:	276	Resp:	47206
Ion Ratio	Lower	Upper	
276	100		
138	20.4	5.1	7.7#
277	24.3	19.8	29.6

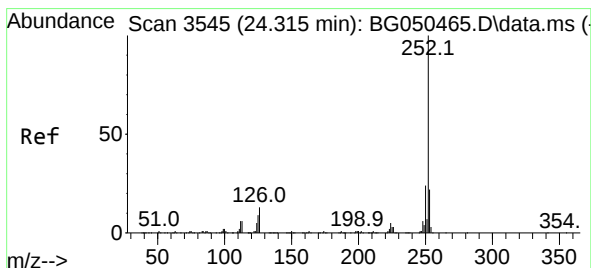
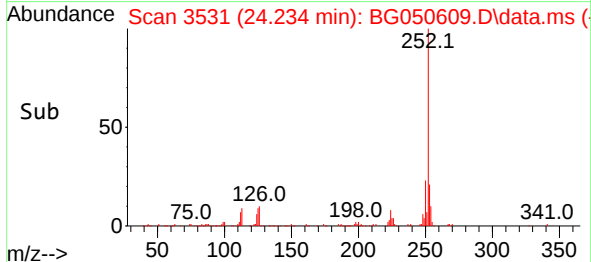
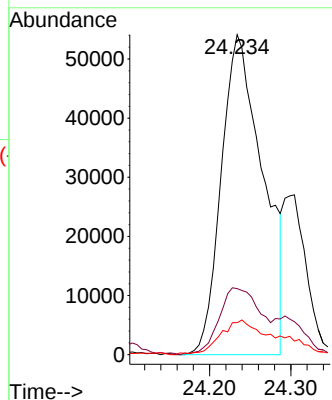
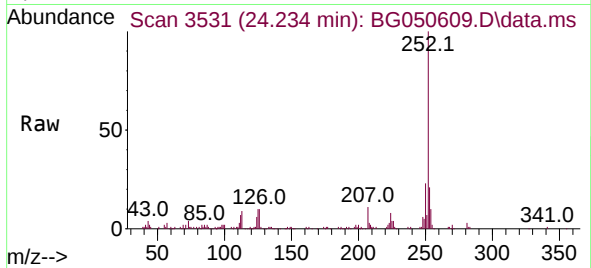




#88
Benzo(b)fluoranthene
Concen: 13.030 ng
RT: 24.234 min Scan# 3531
Delta R.T. -0.012 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

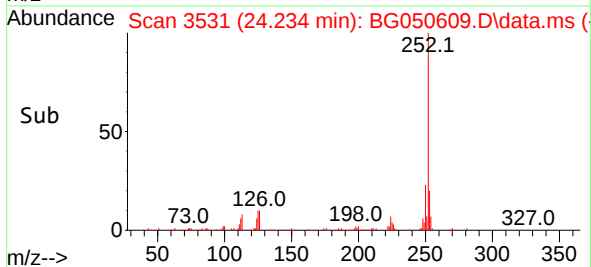
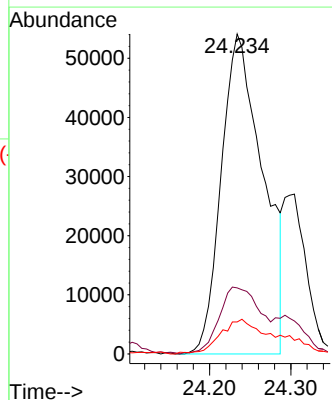
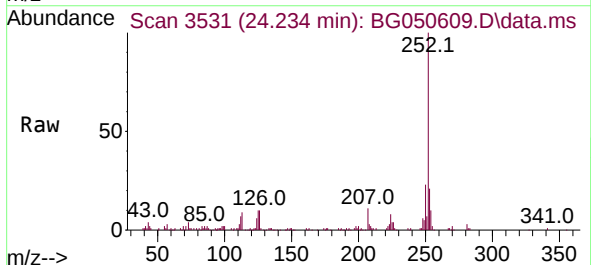
Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

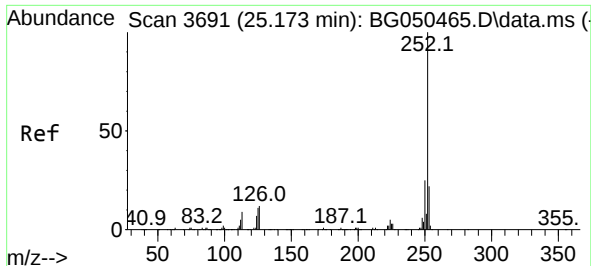
Tgt Ion:252 Resp: 191972
Ion Ratio Lower Upper
252 100
253 20.7 16.2 24.4
125 10.0 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 13.245 ng
RT: 24.234 min Scan# 3531
Delta R.T. -0.082 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:252 Resp: 191972
Ion Ratio Lower Upper
252 100
253 20.7 18.0 27.0
125 10.0 3.1 4.7#

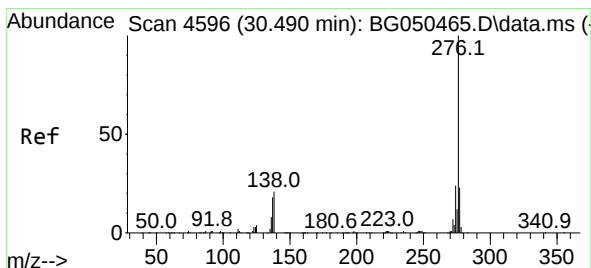
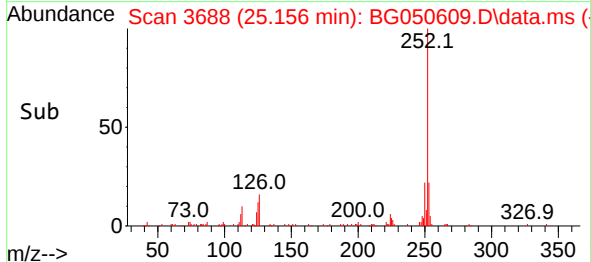
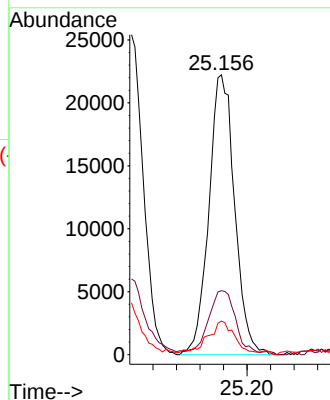
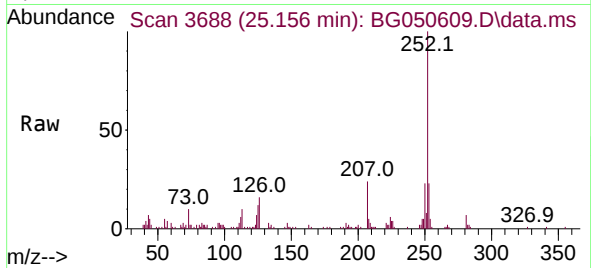




#90
Benzo(a)pyrene
Concen: 5.390 ng
RT: 25.156 min Scan# 3688
Delta R.T. -0.017 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Instrument :
BNA_G
ClientSampleId :
SSHQ-CONCRETE

Tgt Ion:252 Resp: 67514
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 12.0 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.548 ng
RT: 30.438 min Scan# 4587
Delta R.T. -0.059 min
Lab File: BG050609.D
Acq: 15 Oct 2021 18:49

Tgt Ion:276 Resp: 34592
Ion Ratio Lower Upper
276 100
277 21.8 18.4 27.6
138 18.9 7.0 10.6#

