

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049866.D
 Acq On : 17 Aug 2021 1:58
 Operator : CG/JU
 Sample : M3408-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 32S

Quant Time: Aug 17 04:44:49 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

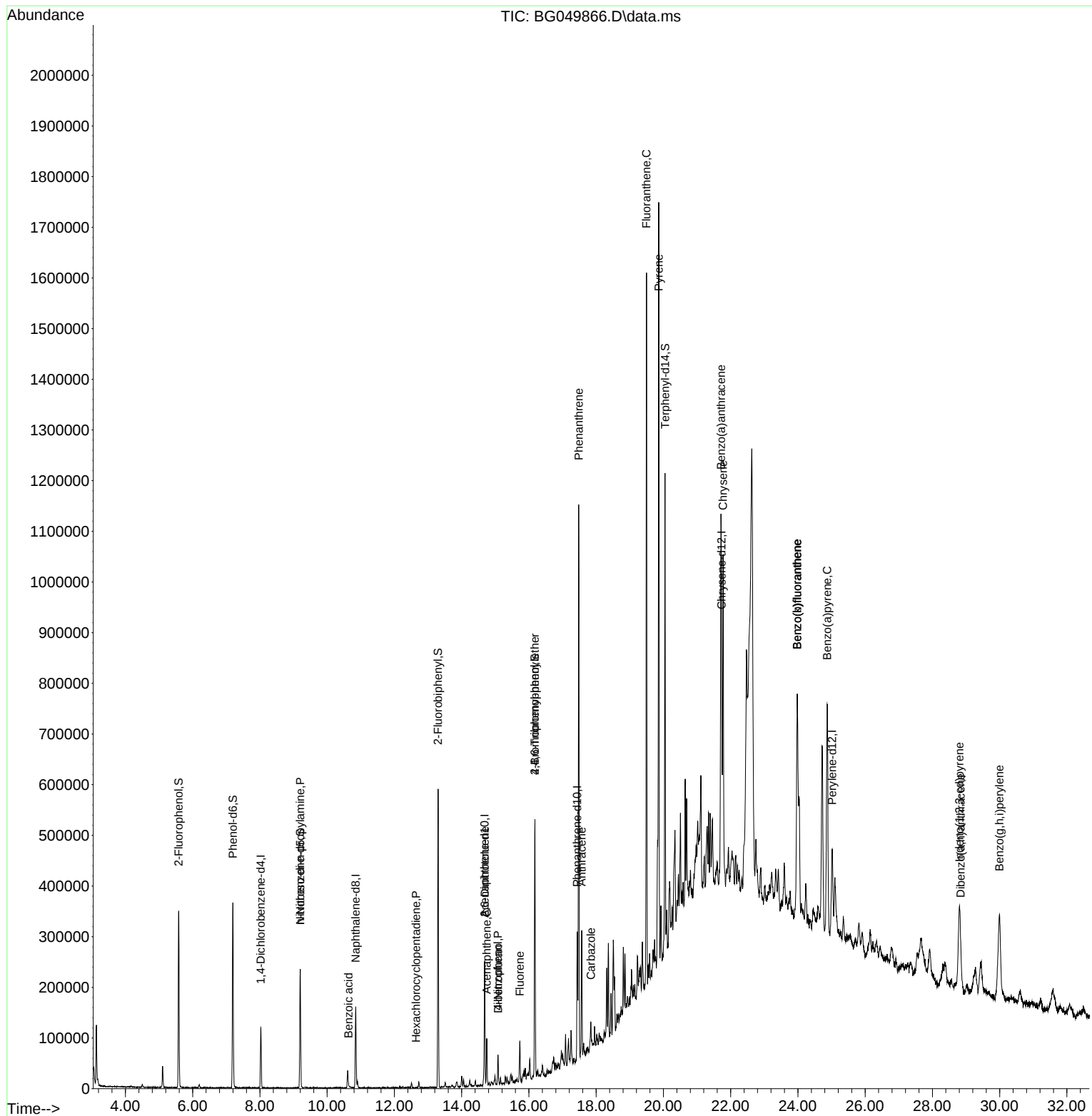
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.025	152	32419	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	130512	20.000	ng	# 0.00
39) Acenaphthene-d10	14.680	164	85422	20.000	ng	0.00
64) Phenanthrene-d10	17.435	188	165620	20.000	ng	# 0.00
76) Chrysene-d12	21.730	240	146860	20.000	ng	0.00
86) Perylene-d12	25.019	264	163042	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	146193	80.837	ng	0.00
7) Phenol-d6	7.196	99	197300	72.071	ng	0.00
23) Nitrobenzene-d5	9.200	82	144975	49.155	ng	0.00
42) 2,4,6-Tribromophenol	16.178	330	92720	73.846	ng	0.00
45) 2-Fluorobiphenyl	13.300	172	300867	51.250	ng	0.00
79) Terphenyl-d14	20.050	244	406939	50.326	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.200	70	22677	12.379	ng	# 74
32) Benzoic acid	10.633	122	88	5.010	ng	# 1
41) Hexachlorocyclopentadiene	12.648	237	63	3.585	ng	# 31
51) 2,6-Dinitrotoluene	14.686	165	12842	9.050	ng	# 13
52) Acenaphthene	14.745	154	32563	7.019	ng	88
55) Dibenzofuran	15.086	168	28621	3.803	ng	98
56) 4-Nitrophenol	15.080	139	13737	13.588	ng	# 1
58) Fluorene	15.732	166	31341	5.123	ng	# 96
67) 4-Bromophenyl-phenylether	16.178	248	5616	2.879	ng	# 1
71) Phenanthrene	17.482	178	658538	75.577	ng	99
72) Anthracene	17.571	178	163147	19.065	ng	98
73) Carbazole	17.847	167	35282	4.353	ng	95
75) Fluoranthene	19.497	202	868274	80.978	ng	99
78) Pyrene	19.862	202	956231	95.507	ng	95
81) Benzo(a)anthracene	21.712	228	460077	48.105	ng	98
83) Chrysene	21.777	228	471319	51.553	ng	93
87) Indeno(1,2,3-cd)pyrene	28.802	276	327070	27.816	ng	99
88) Benzo(b)fluoranthene	23.980	252	557637	52.149	ng	# 92
89) Benzo(k)fluoranthene	23.980	252	557637	55.908	ng	# 97
90) Benzo(a)pyrene	24.872	252	533477	55.127	ng	95
91) Dibenzo(a,h)anthracene	28.843	278	96365	9.726	ng	# 91
92) Benzo(g,h,i)perylene	29.989	276	410845	42.324	ng	99

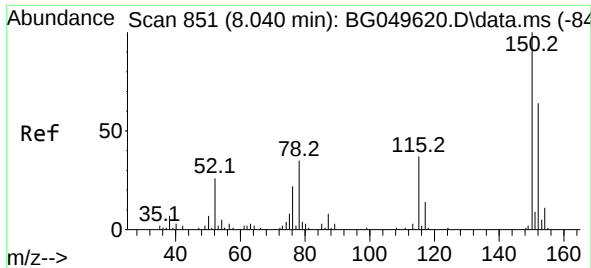
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 16 18:23:02 2021
Response via : Initial Calibration

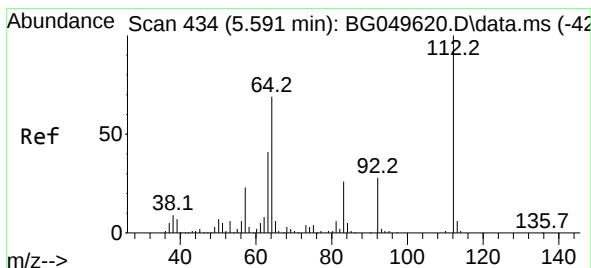
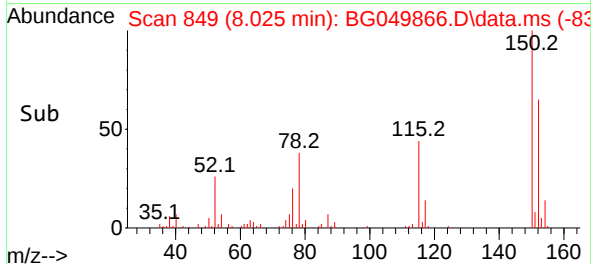
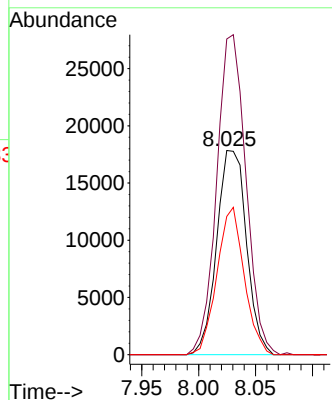
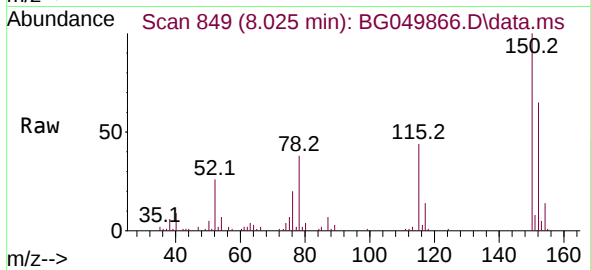




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.025 min Scan# 849
Delta R.T. -0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

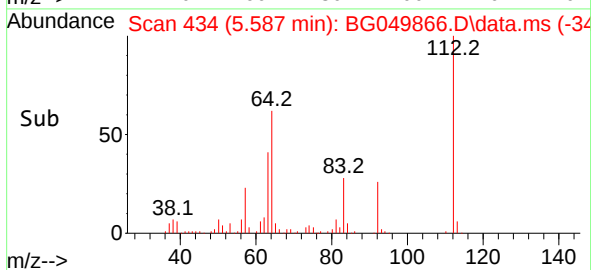
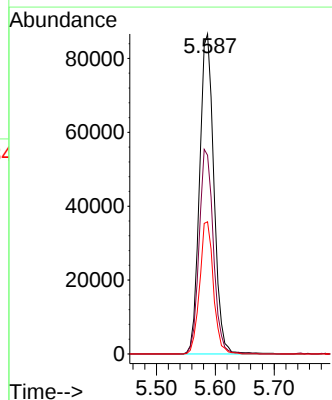
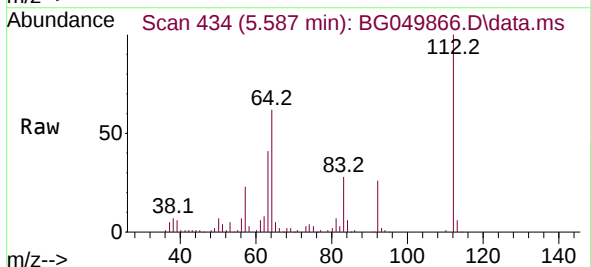
Instrument :
BNA_G
ClientSampleId :
32S

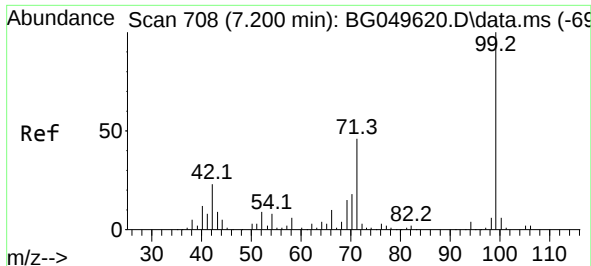
Tgt Ion:152 Resp: 32419
Ion Ratio Lower Upper
152 100
150 154.6 119.4 179.0
115 67.7 60.2 90.4



#5
2-Fluorophenol
Concen: 80.837 ng
RT: 5.587 min Scan# 434
Delta R.T. 0.008 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

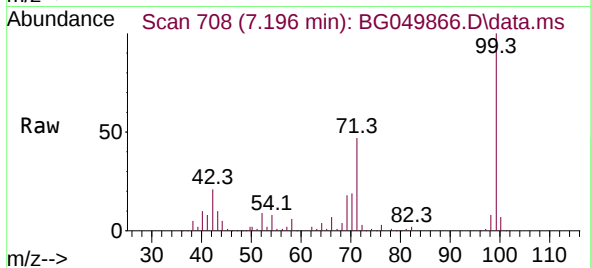
Tgt Ion:112 Resp: 146193
Ion Ratio Lower Upper
112 100
64 62.1 46.7 70.1
63 41.3 35.3 52.9



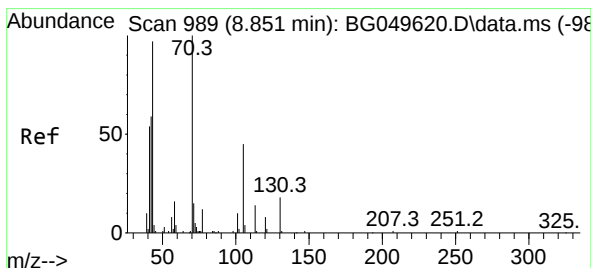
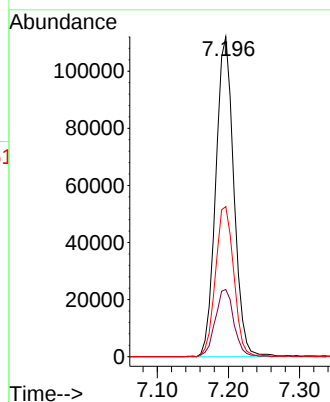
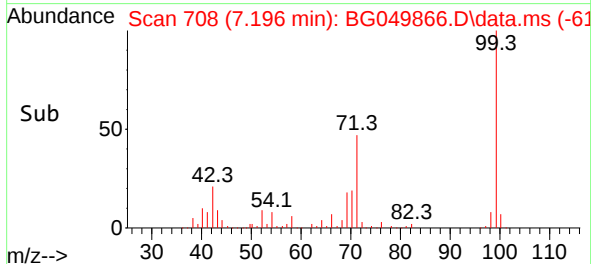


#7
Phenol-d6
Concen: 72.071 ng
RT: 7.196 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

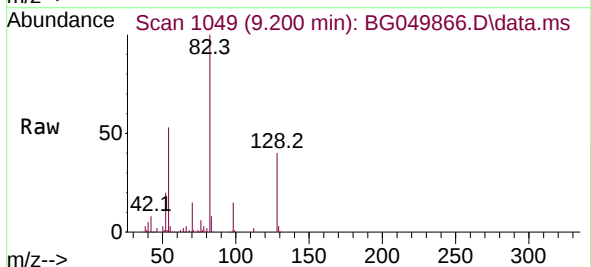
Instrument :
BNA_G
ClientSampleId :
32S



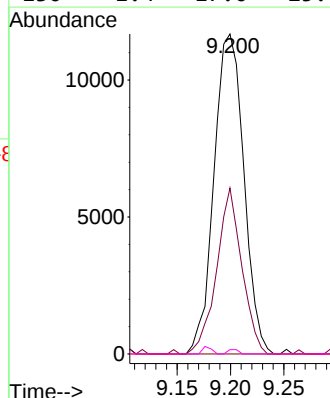
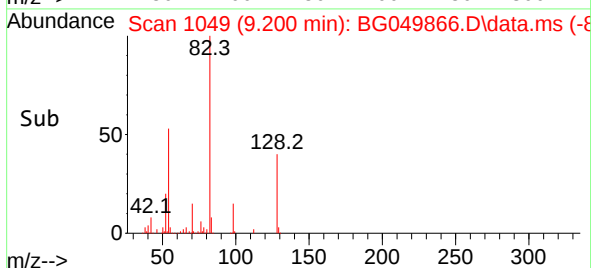
Tgt Ion: 99 Resp: 197300
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 46.9 41.5 62.3

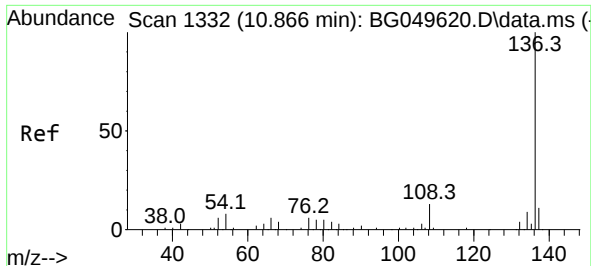


#19
n-Nitroso-di-n-propylamine
Concen: 12.379 ng
RT: 9.200 min Scan# 1049
Delta R.T. 0.361 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58



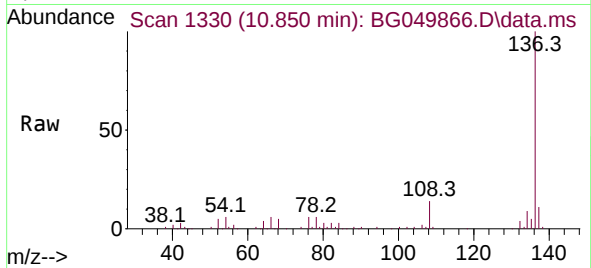
Tgt Ion: 70 Resp: 22677
Ion Ratio Lower Upper
70 100
42 51.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#



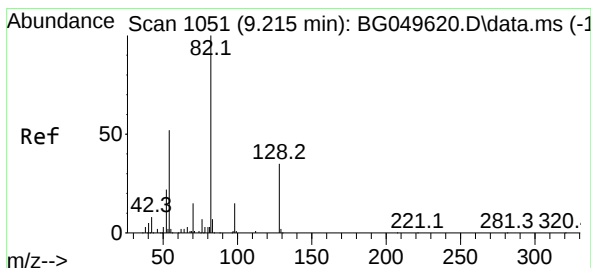
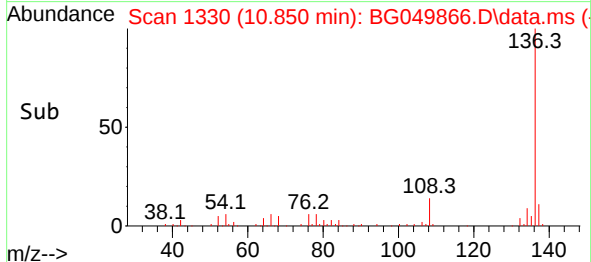
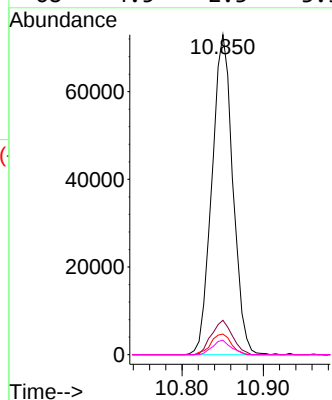


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1330
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Instrument :
BNA_G
ClientSampleId :
32S

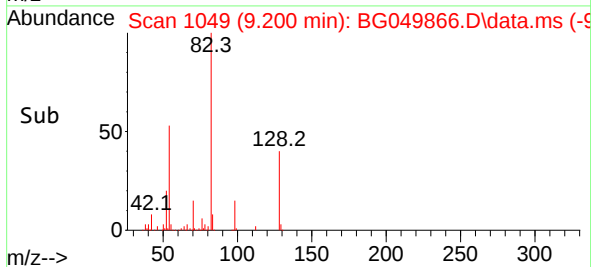
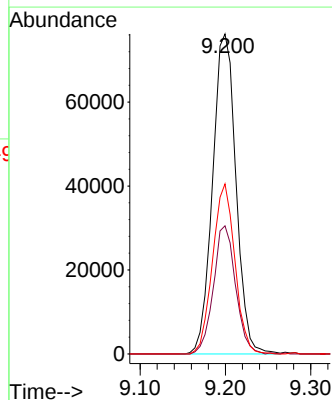
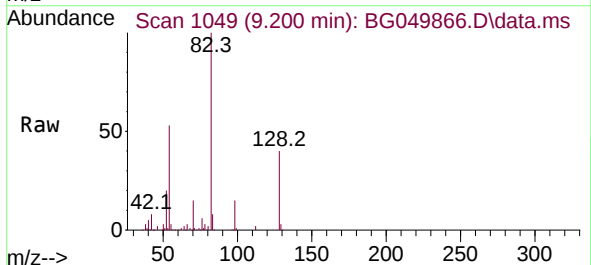


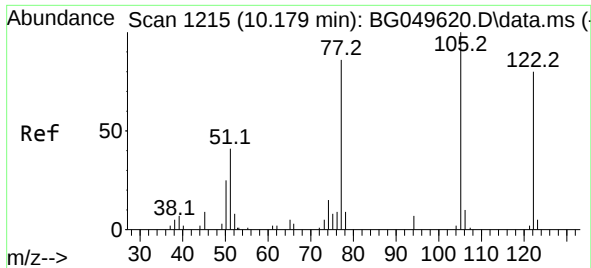
Tgt Ion:136 Resp: 130512
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.2
54 6.4 5.5 8.3
68 4.5 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 49.155 ng
RT: 9.200 min Scan# 1049
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion: 82 Resp: 144975
Ion Ratio Lower Upper
82 100
128 40.1 29.8 44.6
54 53.2 45.8 68.8

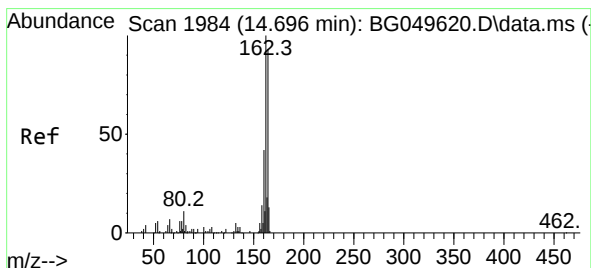
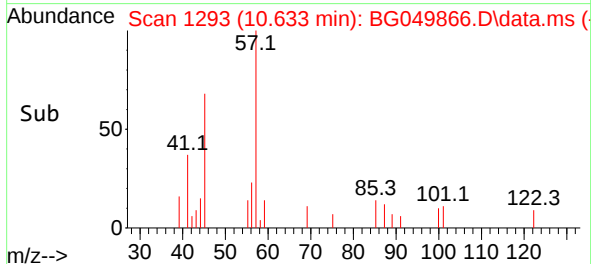
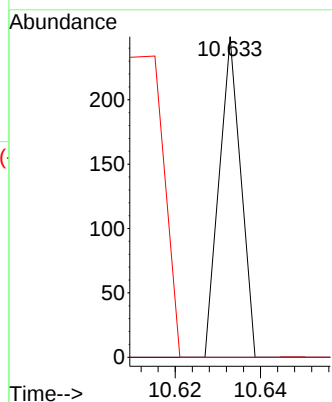
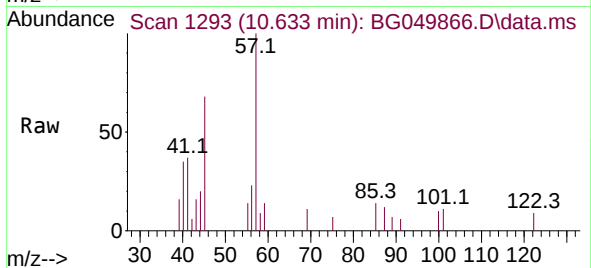




#32
Benzoic acid
Concen: 5.010 ng
RT: 10.633 min Scan# 1293
Delta R.T. 0.467 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

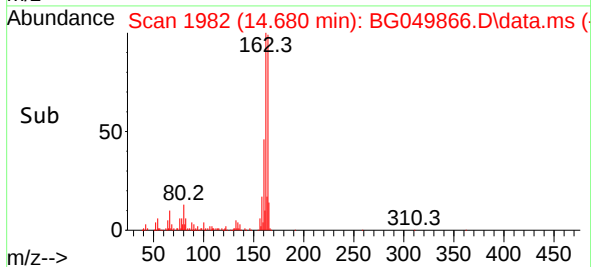
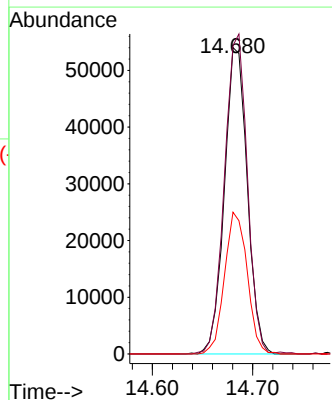
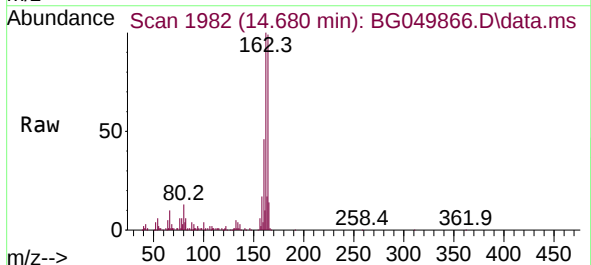
Instrument :
BNA_G
ClientSampled :
32S

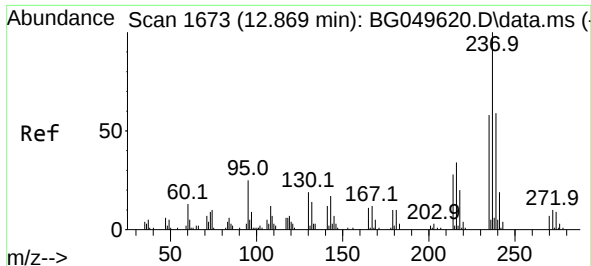
Tgt Ion:122 Resp: 88
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.680 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:164 Resp: 85422
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.0
160 46.3 34.9 52.3

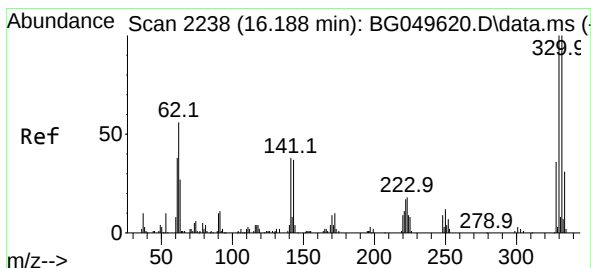
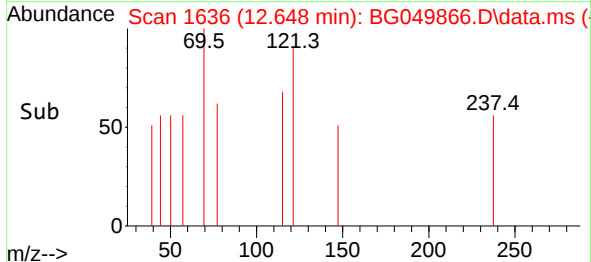
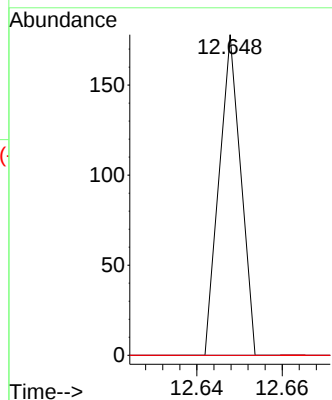
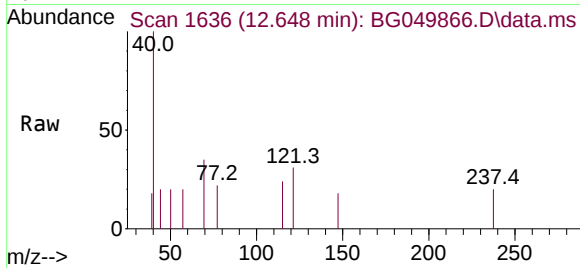




#41
Hexachlorocyclopentadiene
Concen: 3.585 ng
RT: 12.648 min Scan# 1636
Delta R.T. -0.203 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

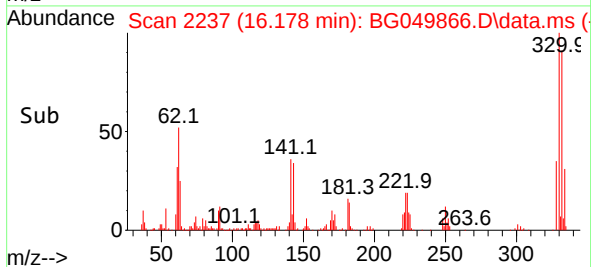
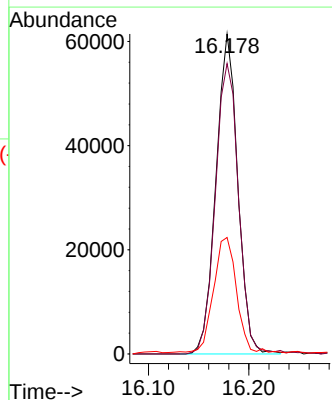
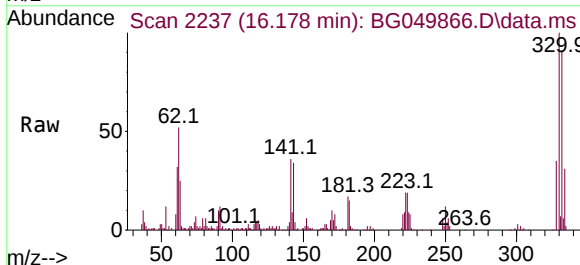
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BNA_G
ClientSampled :
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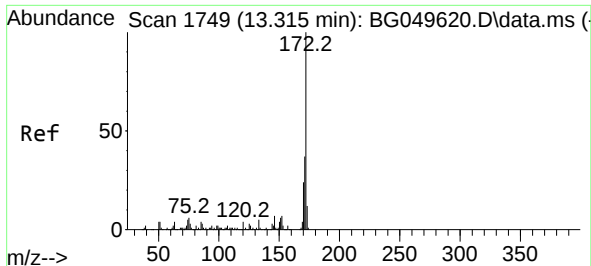
Tgt Ion:237 Resp: 63
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 73.846 ng
RT: 16.178 min Scan# 2237
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:330 Resp: 92720
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 38.9 35.6 53.4

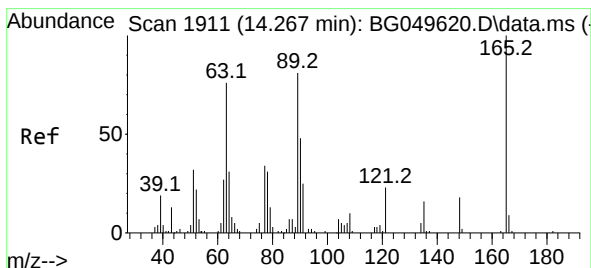
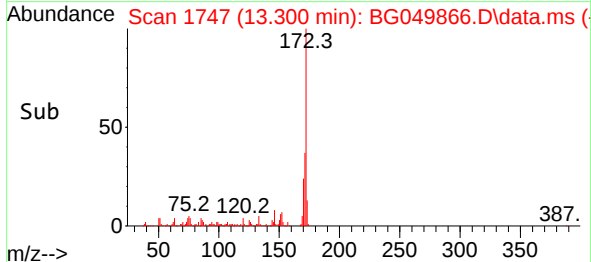
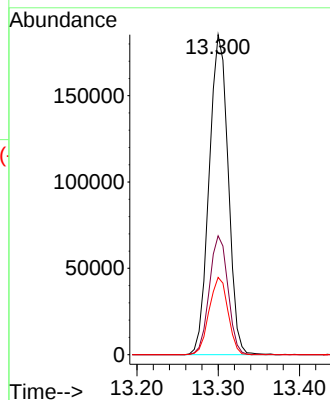
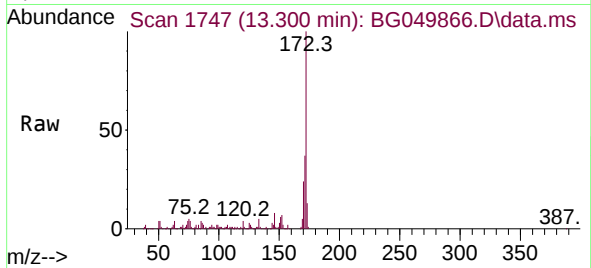




#45
2-Fluorobiphenyl
Concen: 51.250 ng
RT: 13.300 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

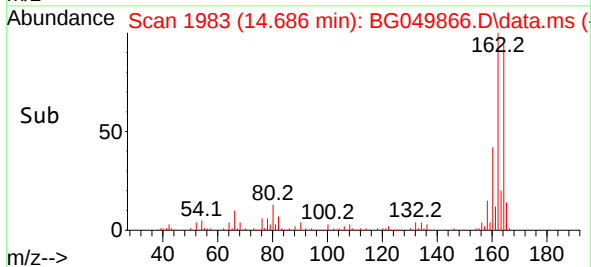
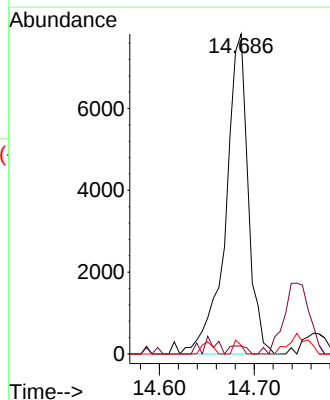
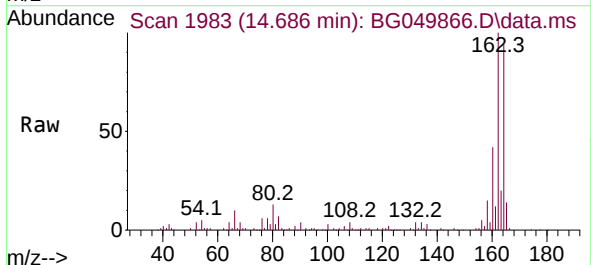
Instrument :
BNA_G
ClientSampled :
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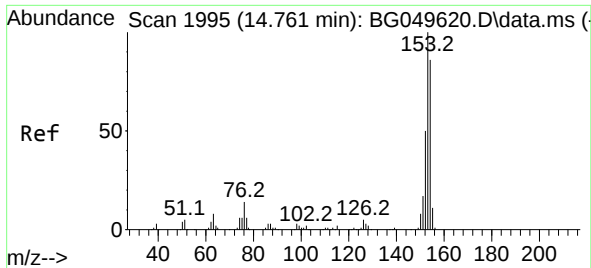
Tgt Ion:172 Resp: 300867
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.050 ng
RT: 14.686 min Scan# 1983
Delta R.T. 0.431 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:165 Resp: 12842
Ion Ratio Lower Upper
165 100
63 2.5 63.3 94.9#
89 2.7 63.4 95.0#

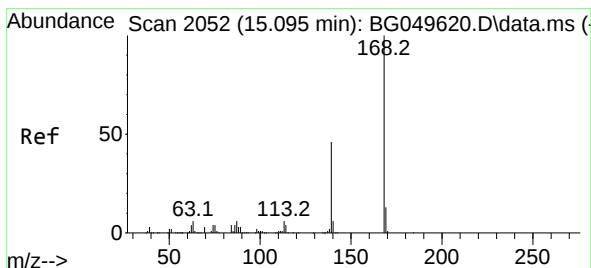
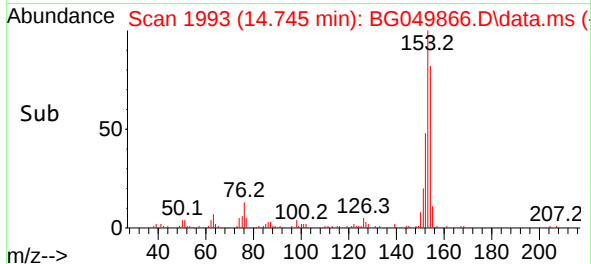
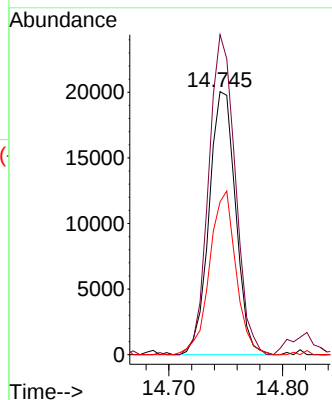
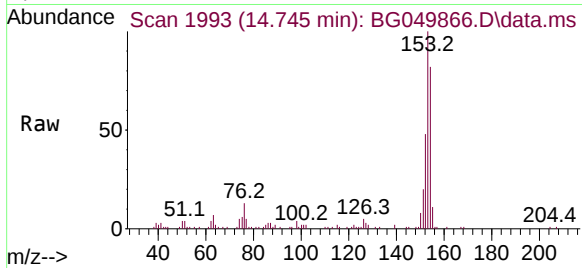




#52
Acenaphthene
Concen: 7.019 ng
RT: 14.745 min Scan# 1993
Delta R.T. -0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

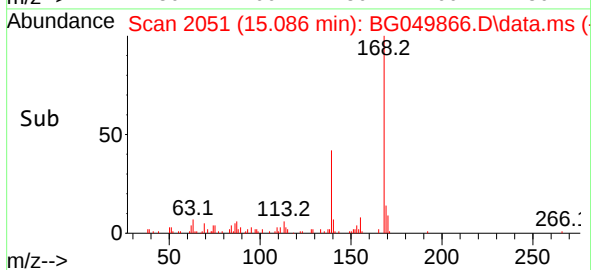
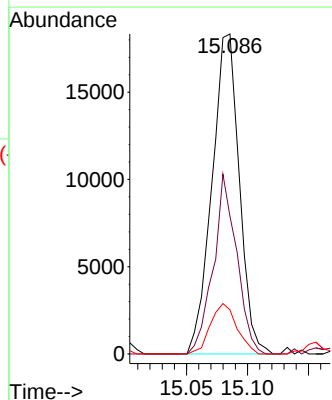
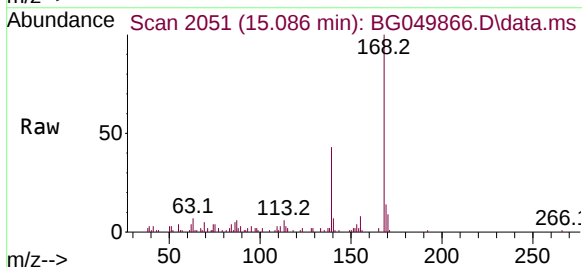
Instrument :
BNA_G
ClientSampleId :
32S

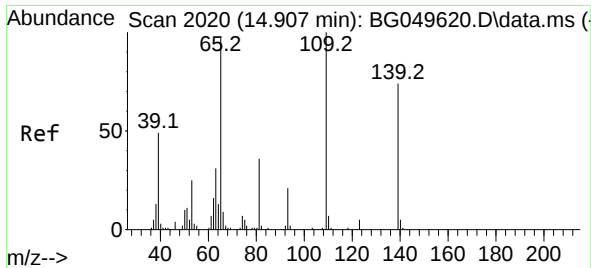
Tgt Ion:154 Resp: 32563
Ion Ratio Lower Upper
154 100
153 121.6 87.0 130.4
152 58.1 40.1 60.1



#55
Dibenzofuran
Concen: 3.803 ng
RT: 15.086 min Scan# 2051
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:168 Resp: 28621
Ion Ratio Lower Upper
168 100
139 43.0 33.4 50.2
169 13.8 12.3 18.5

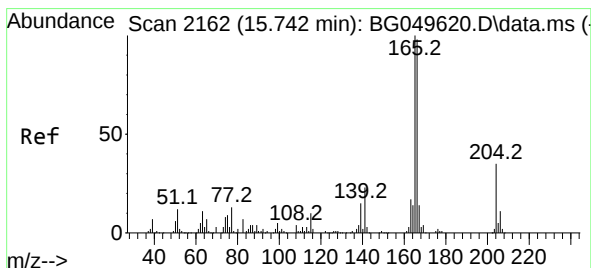
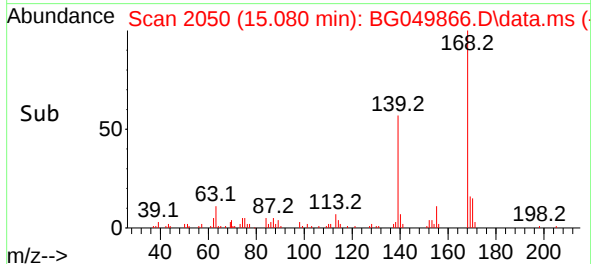
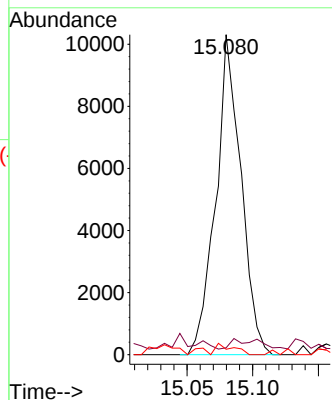
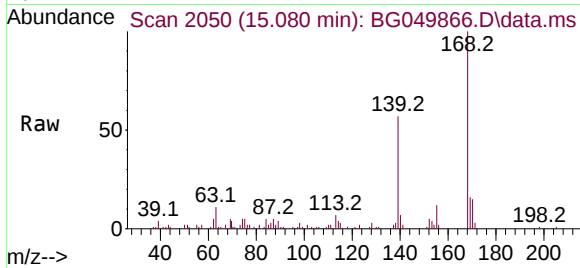




#56
4-Nitrophenol
Concen: 13.588 ng
RT: 15.080 min Scan# 2050
Delta R.T. 0.167 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

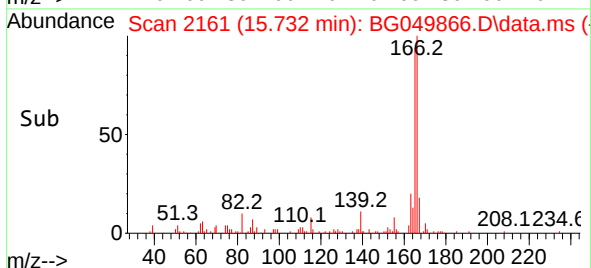
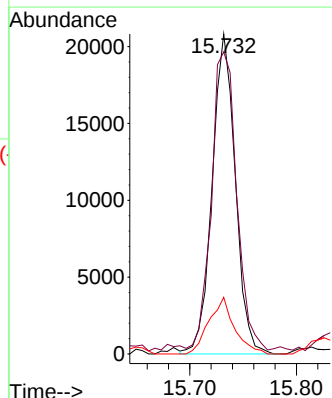
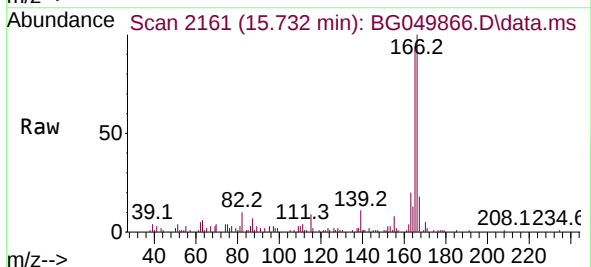
Instrument :
BNA_G
ClientSampled :
32S

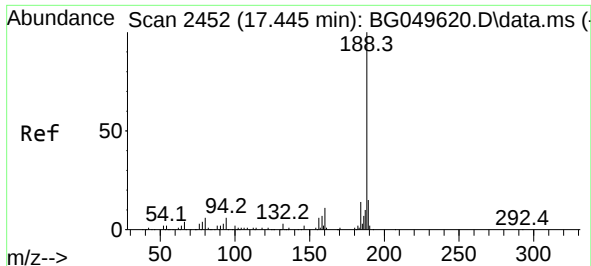
Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.1	116.3	156.3#
65	1.7	105.0	145.0#



#58
Fluorene
Concen: 5.123 ng
RT: 15.732 min Scan# 2161
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.4	77.7	116.5
167	17.7	10.8	16.2#

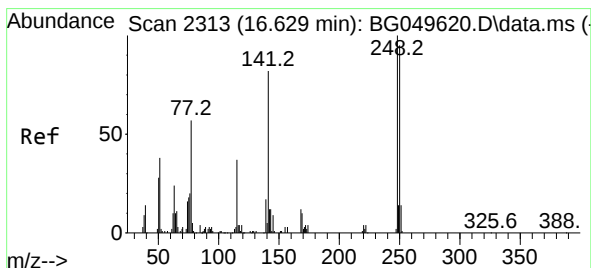
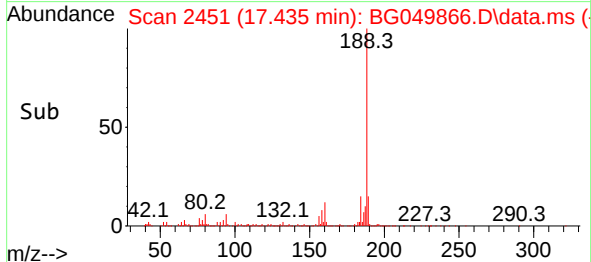
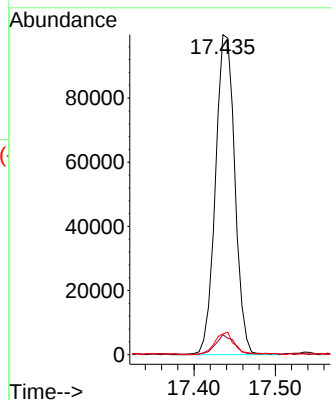
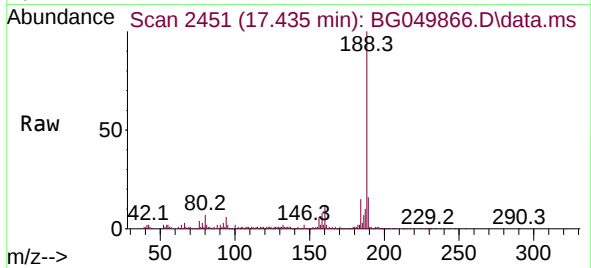




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.435 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

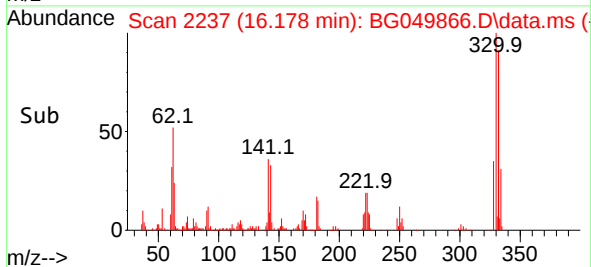
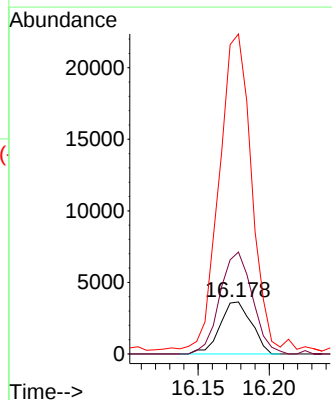
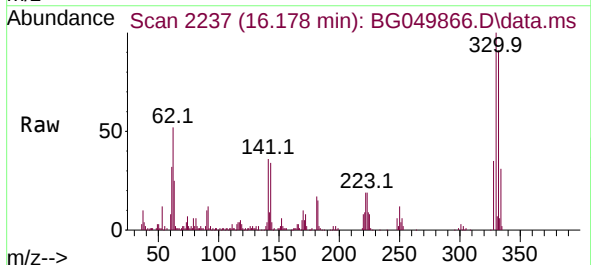
Instrument :
BNA_G
ClientSampled :
32S

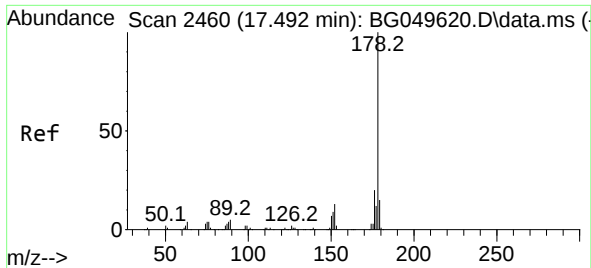
Tgt Ion:188 Resp: 165620
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 6.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.879 ng
RT: 16.178 min Scan# 2237
Delta R.T. -0.438 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:248 Resp: 5616
Ion Ratio Lower Upper
248 100
250 196.1 76.1 114.1#
141 615.5 65.4 98.2#

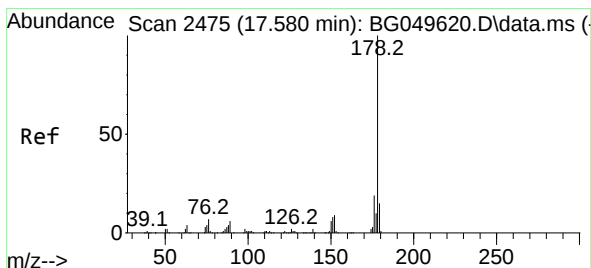
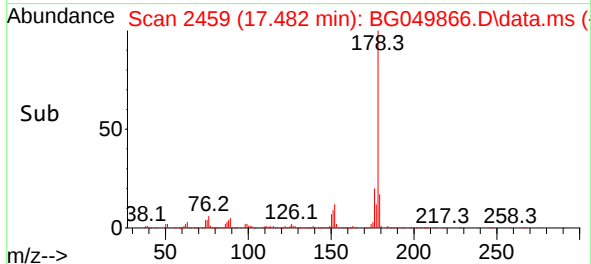
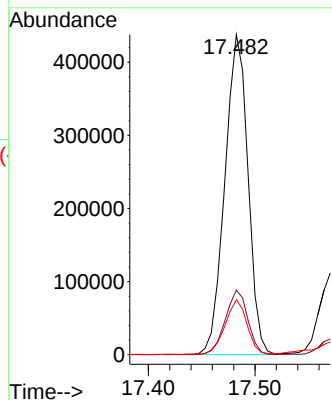
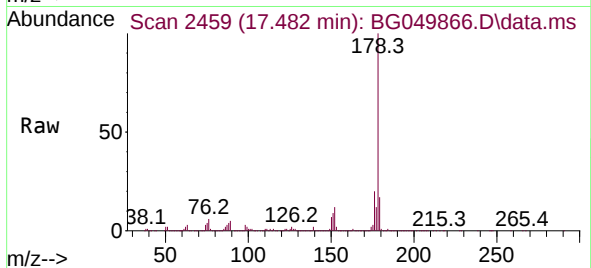




#71
Phenanthrene
Concen: 75.577 ng
RT: 17.482 min Scan# 2459
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

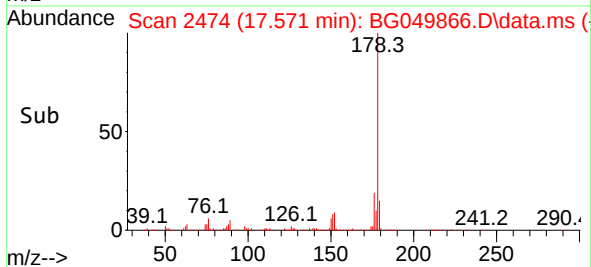
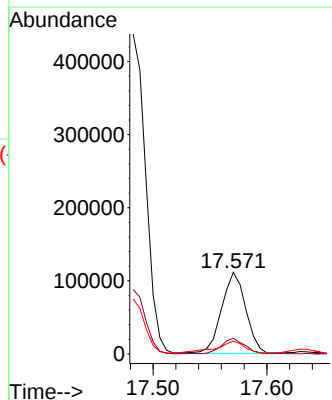
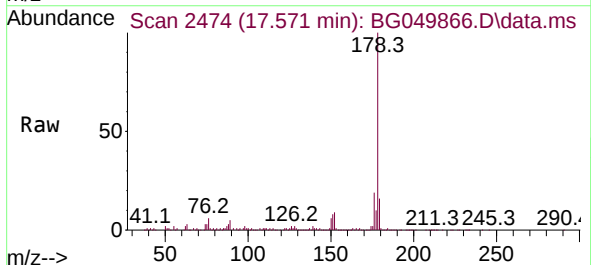
Instrument :
BNA_G
ClientSampled :
32S

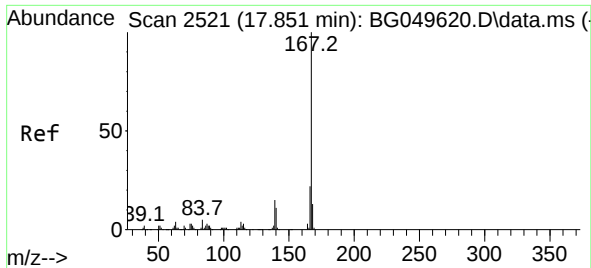
Tgt Ion:178 Resp: 658538
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 17.1 14.2 21.4



#72
Anthracene
Concen: 19.065 ng
RT: 17.571 min Scan# 2474
Delta R.T. 0.003 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:178 Resp: 163147
Ion Ratio Lower Upper
178 100
176 19.2 14.6 21.8
179 15.7 13.4 20.0

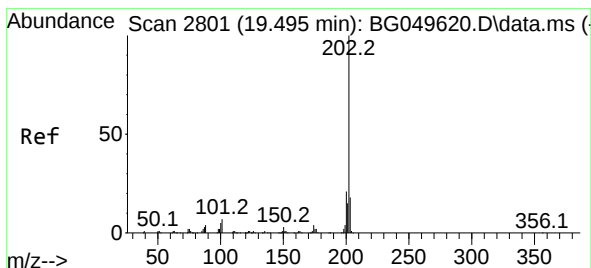
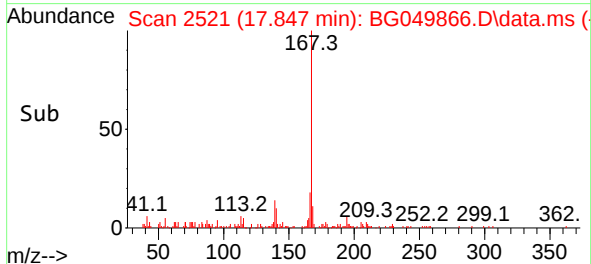
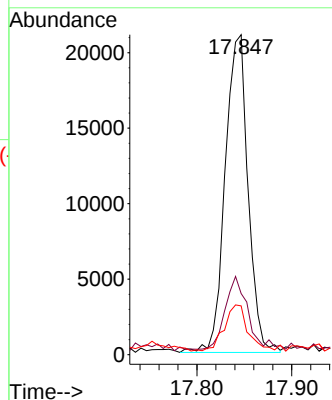
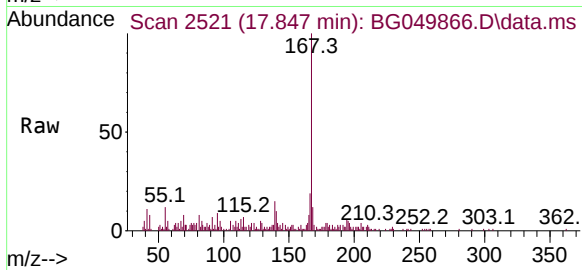




#73
 Carbazole
 Concen: 4.353 ng
 RT: 17.847 min Scan# 2521
 Delta R.T. 0.008 min
 Lab File: BG049866.D
 Acq: 17 Aug 2021 1:58

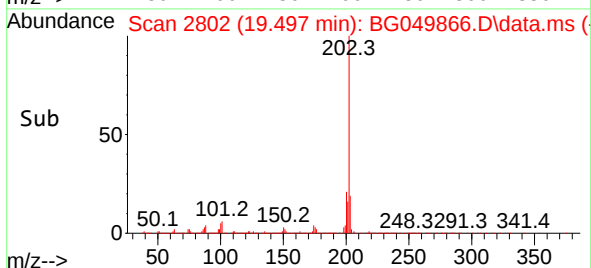
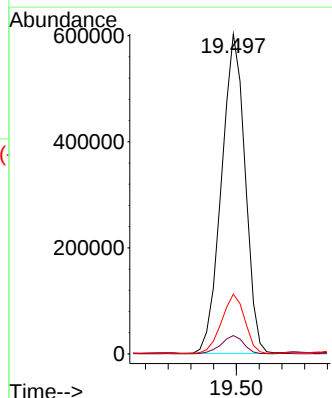
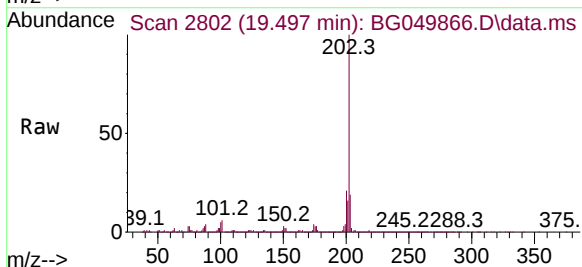
Instrument :
 BNA_G
 ClientSampled :
 32S

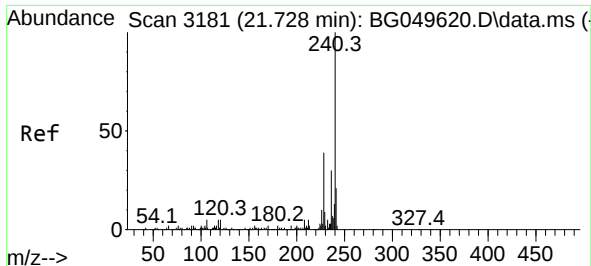
Tgt Ion:	167	Resp:	35282
Ion Ratio	Lower	Upper	
167	100		
166	19.1	17.4	26.2
139	15.3	10.7	16.1



#75
 Fluoranthene
 Concen: 80.978 ng
 RT: 19.497 min Scan# 2802
 Delta R.T. 0.008 min
 Lab File: BG049866.D
 Acq: 17 Aug 2021 1:58

Tgt Ion:	202	Resp:	868274
Ion Ratio	Lower	Upper	
202	100		
101	5.7	0.0	24.7
203	18.7	0.0	38.5

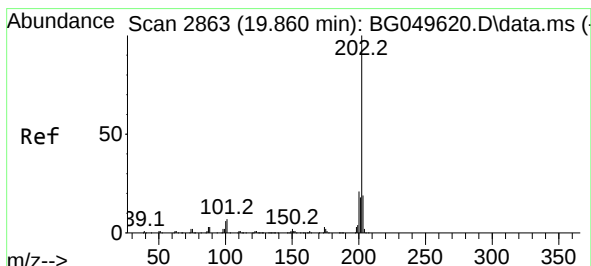
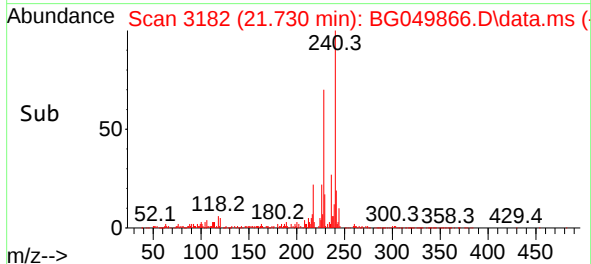
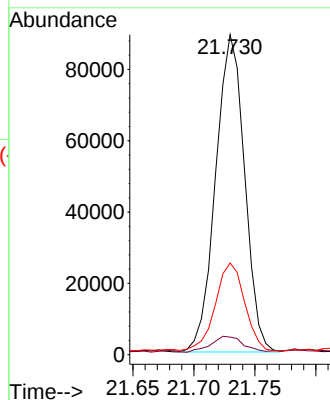
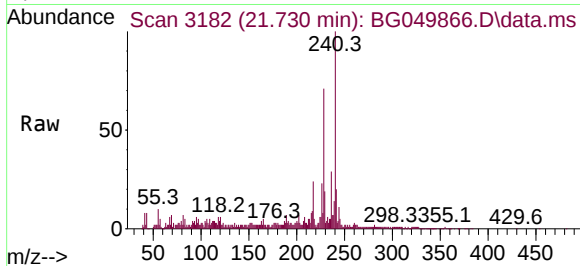




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.730 min Scan# 3182
Delta R.T. 0.008 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

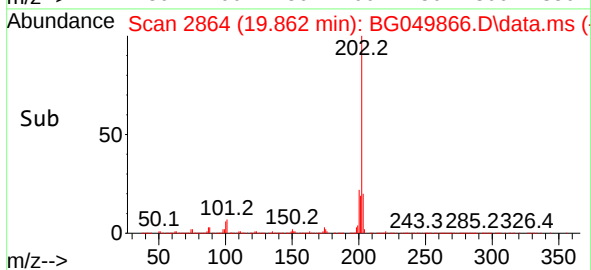
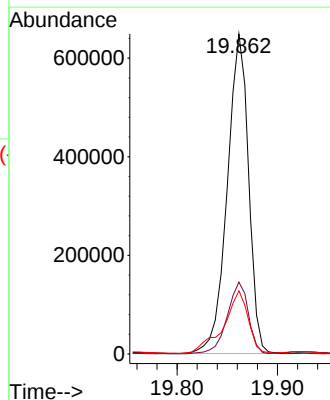
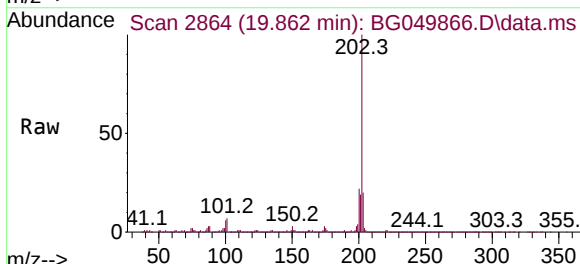
Instrument :
BNA_G
ClientSampled :
32S

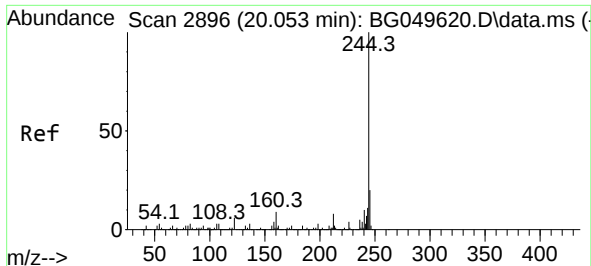
Tgt Ion:240 Resp: 146860
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 28.6 21.8 32.6



#78
Pyrene
Concen: 95.507 ng
RT: 19.862 min Scan# 2864
Delta R.T. 0.008 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:202 Resp: 956231
Ion Ratio Lower Upper
202 100
200 22.4 15.8 23.8
203 19.7 14.6 21.8

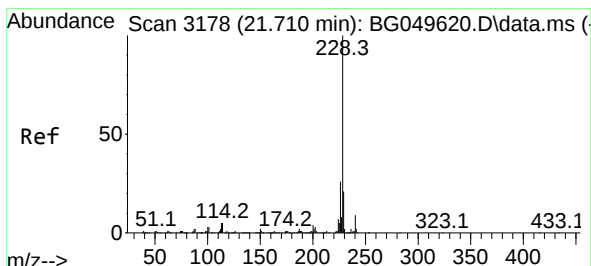
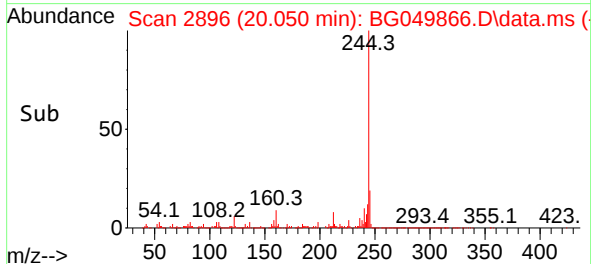
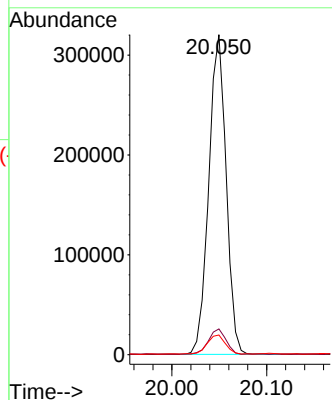
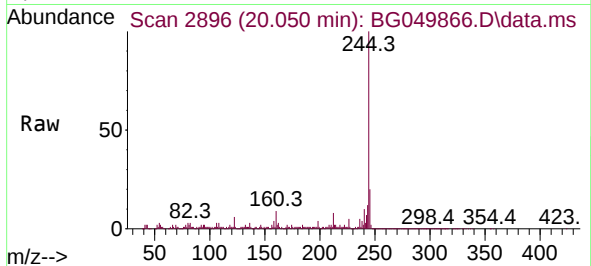




#79
 Terphenyl-d14
 Concen: 50.326 ng
 RT: 20.050 min Scan# 2896
 Delta R.T. 0.003 min
 Lab File: BG049866.D
 Acq: 17 Aug 2021 1:58

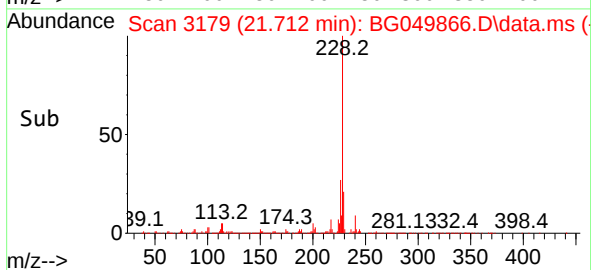
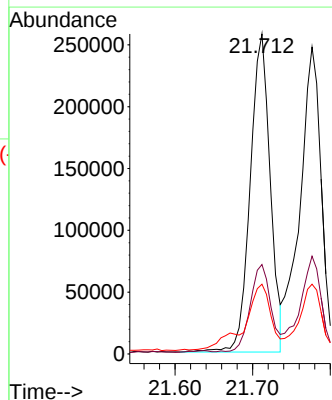
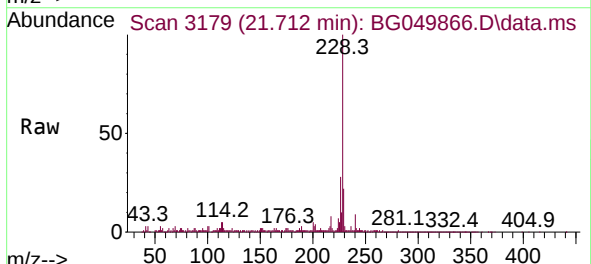
Instrument :
 BNA_G
 ClientSampled :
 32S

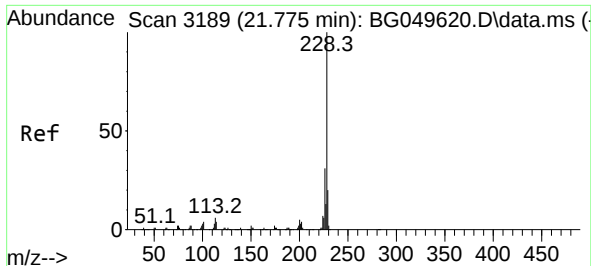
Tgt Ion:244 Resp: 406939
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.9 10.3
 122 6.2 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 48.105 ng
 RT: 21.712 min Scan# 3179
 Delta R.T. 0.014 min
 Lab File: BG049866.D
 Acq: 17 Aug 2021 1:58

Tgt Ion:228 Resp: 460077
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.7 34.1
 229 21.8 16.0 24.0

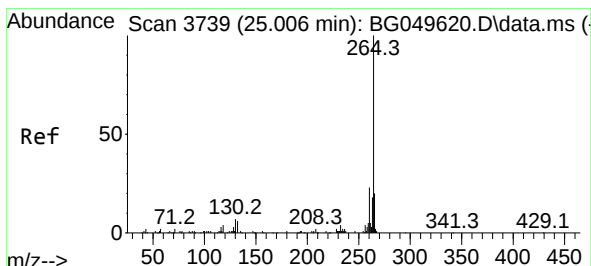
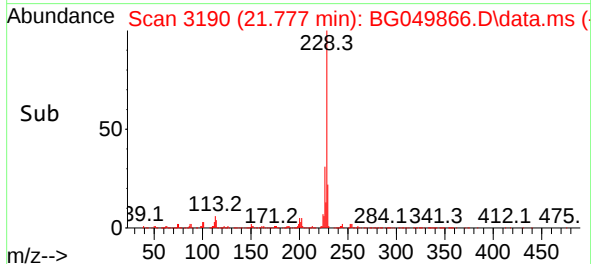
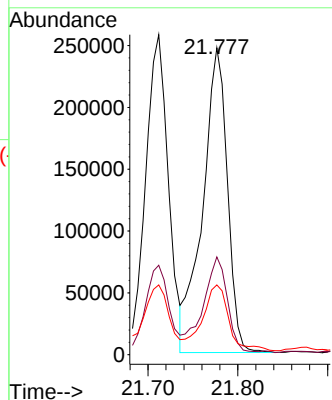
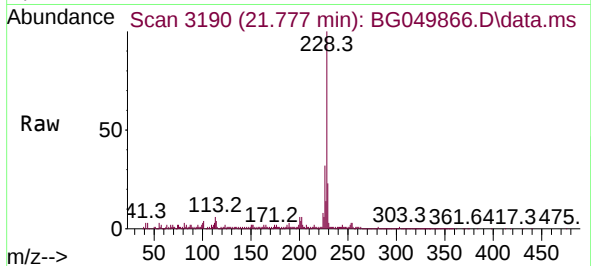




#83
Chrysene
Concen: 51.553 ng
RT: 21.777 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

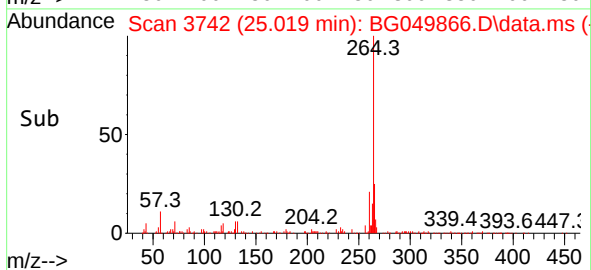
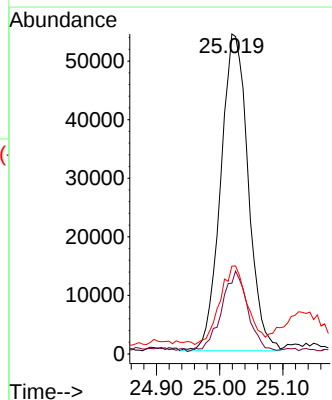
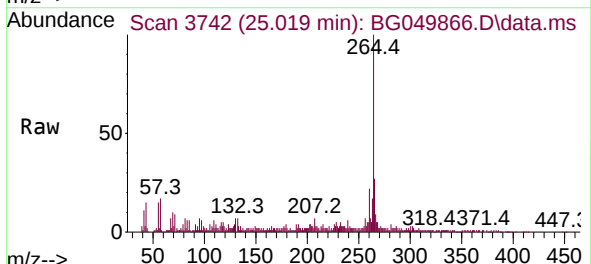
Instrument :
BNA_G
ClientSampled :
32S

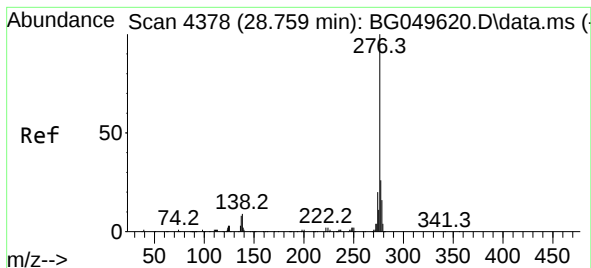
Tgt Ion:	228	Resp:	471319
Ion Ratio	Lower	Upper	
228	100		
226	31.9	23.1	34.7
229	22.7	15.3	22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 3742
Delta R.T. 0.032 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:	264	Resp:	163042
Ion Ratio	Lower	Upper	
264	100		
260	22.1	19.4	29.2
265	27.4	16.9	25.3#





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.816 ng

RT: 28.802 min Scan# 4386

Delta R.T. 0.067 min

Lab File: BG049866.D

Acq: 17 Aug 2021 1:58

Tgt Ion:276 Resp: 327070

Ion Ratio Lower Upper

276 100

138 6.3 5.1 7.7

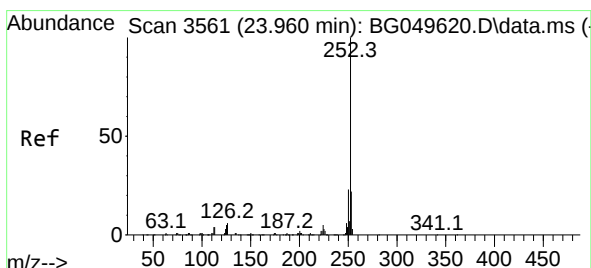
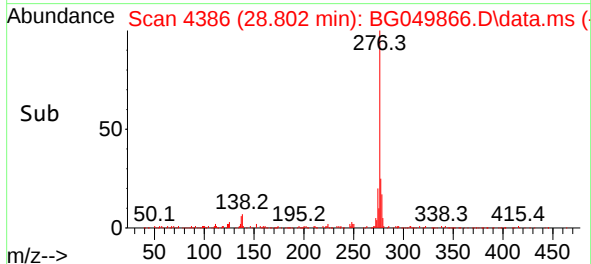
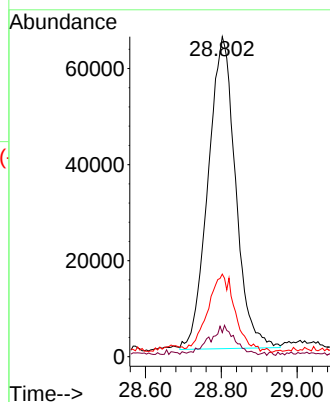
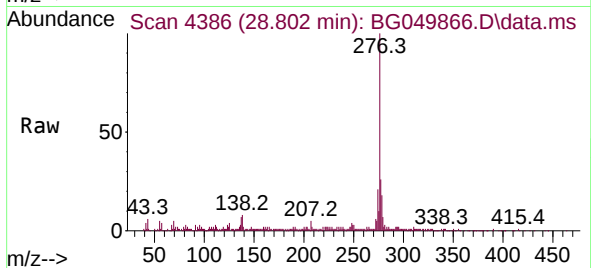
277 25.0 19.8 29.6

Instrument :

BNA_G

ClientSampled :

32S



#88

Benzo(b)fluoranthene

Concen: 52.149 ng

RT: 23.980 min Scan# 3565

Delta R.T. 0.026 min

Lab File: BG049866.D

Acq: 17 Aug 2021 1:58

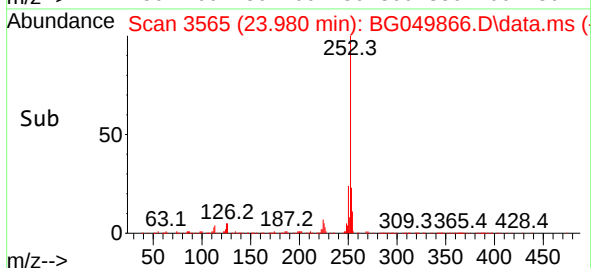
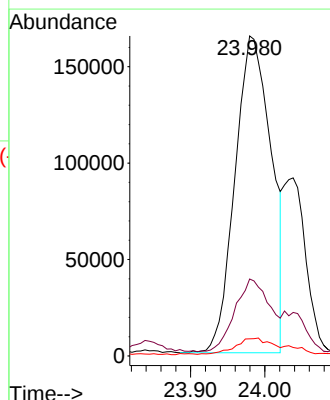
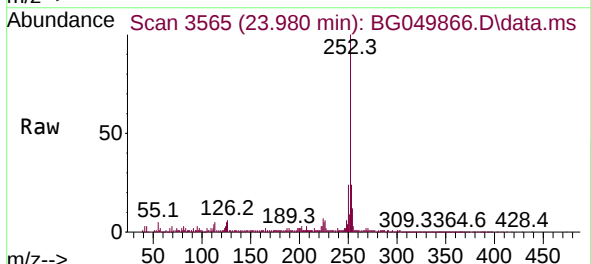
Tgt Ion:252 Resp: 557637

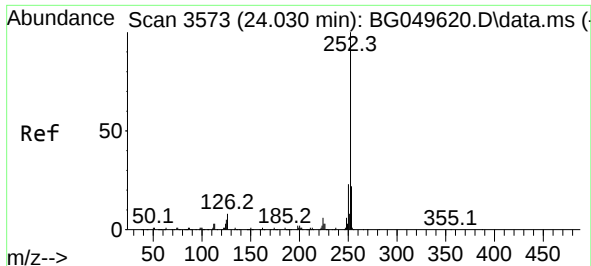
Ion Ratio Lower Upper

252 100

253 24.0 16.2 24.4

125 5.4 3.0 4.4#

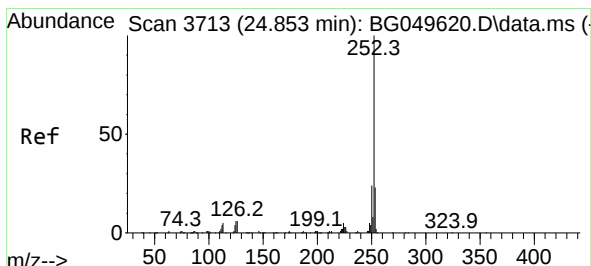
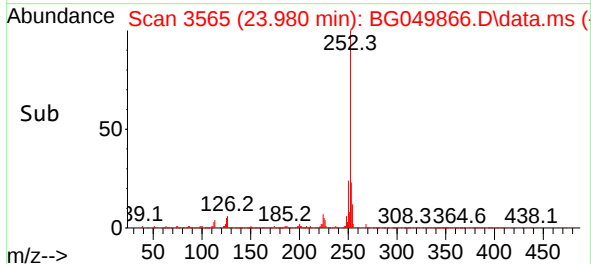
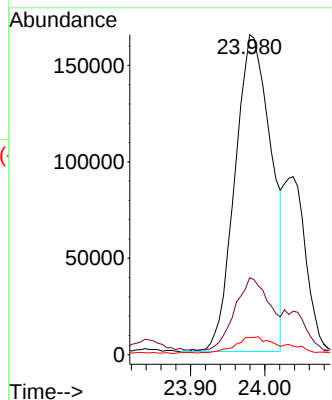
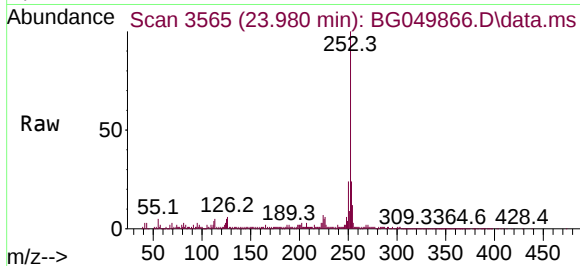




#89
Benzo(k)fluoranthene
Concen: 55.908 ng
RT: 23.980 min Scan# 3565
Delta R.T. -0.039 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

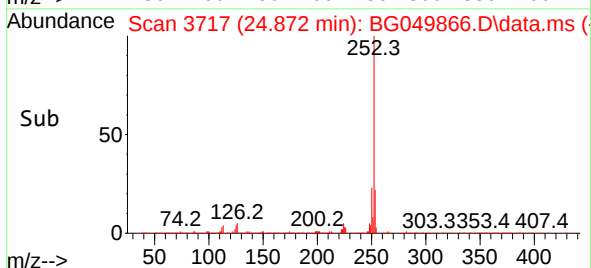
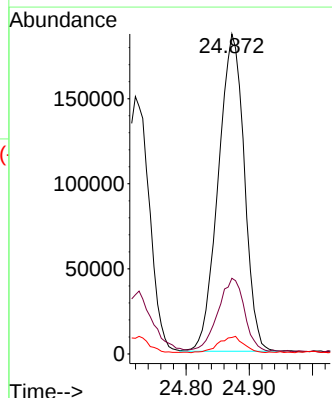
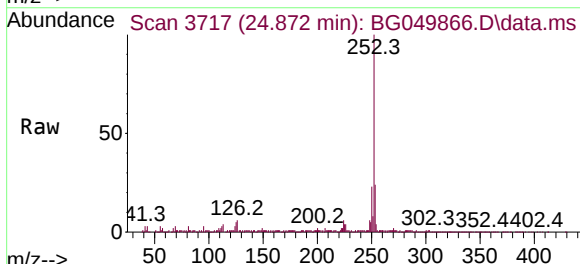
Instrument :
BNA_G
ClientSampled :
32S

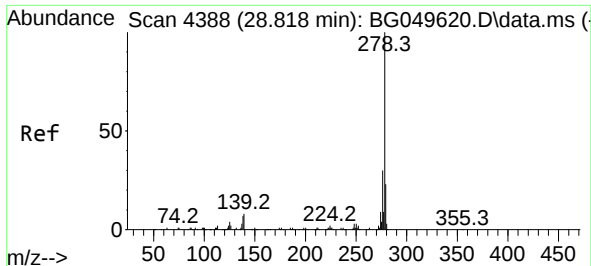
Tgt Ion:252 Resp: 557637
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 5.4 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 55.127 ng
RT: 24.872 min Scan# 3717
Delta R.T. 0.032 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:252 Resp: 533477
Ion Ratio Lower Upper
252 100
253 23.6 16.6 25.0
125 5.2 3.5 5.3

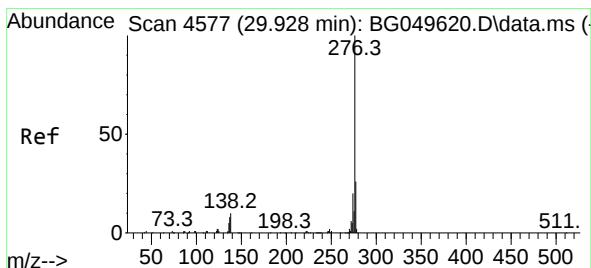
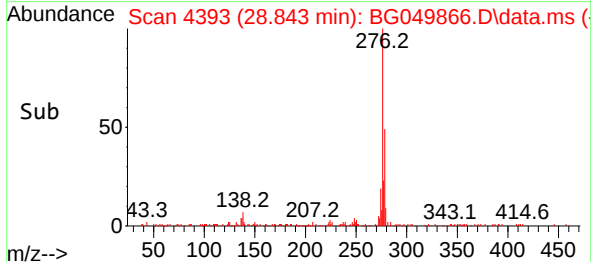
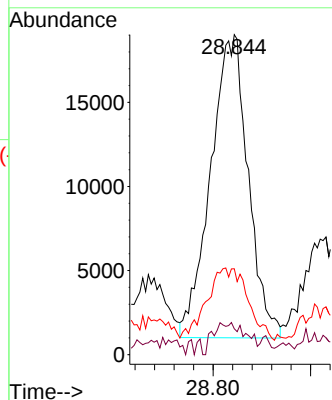
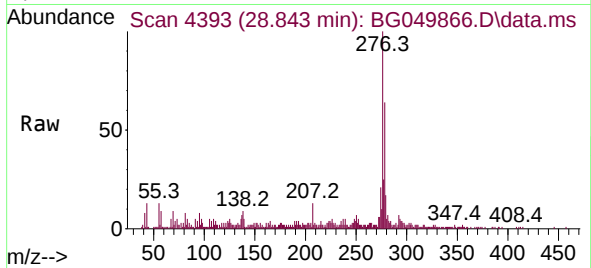




#91
Dibenzo(a,h)anthracene
Concen: 9.726 ng
RT: 28.843 min Scan# 4393
Delta R.T. 0.044 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Instrument :
BNA_G
ClientSampled :
32S

Tgt Ion:278 Resp: 96365
Ion Ratio Lower Upper
278 100
139 8.1 4.6 6.8#
279 26.9 17.9 26.9



#92
Benzo(g,h,i)perylene
Concen: 42.324 ng
RT: 29.989 min Scan# 4588
Delta R.T. 0.073 min
Lab File: BG049866.D
Acq: 17 Aug 2021 1:58

Tgt Ion:276 Resp: 410845
Ion Ratio Lower Upper
276 100
277 23.7 18.4 27.6
138 8.9 7.0 10.6

