

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049857.D
 Acq On : 16 Aug 2021 19:47
 Operator : CG/JU
 Sample : M3407-29
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 29S

Quant Time: Aug 17 04:42:12 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)

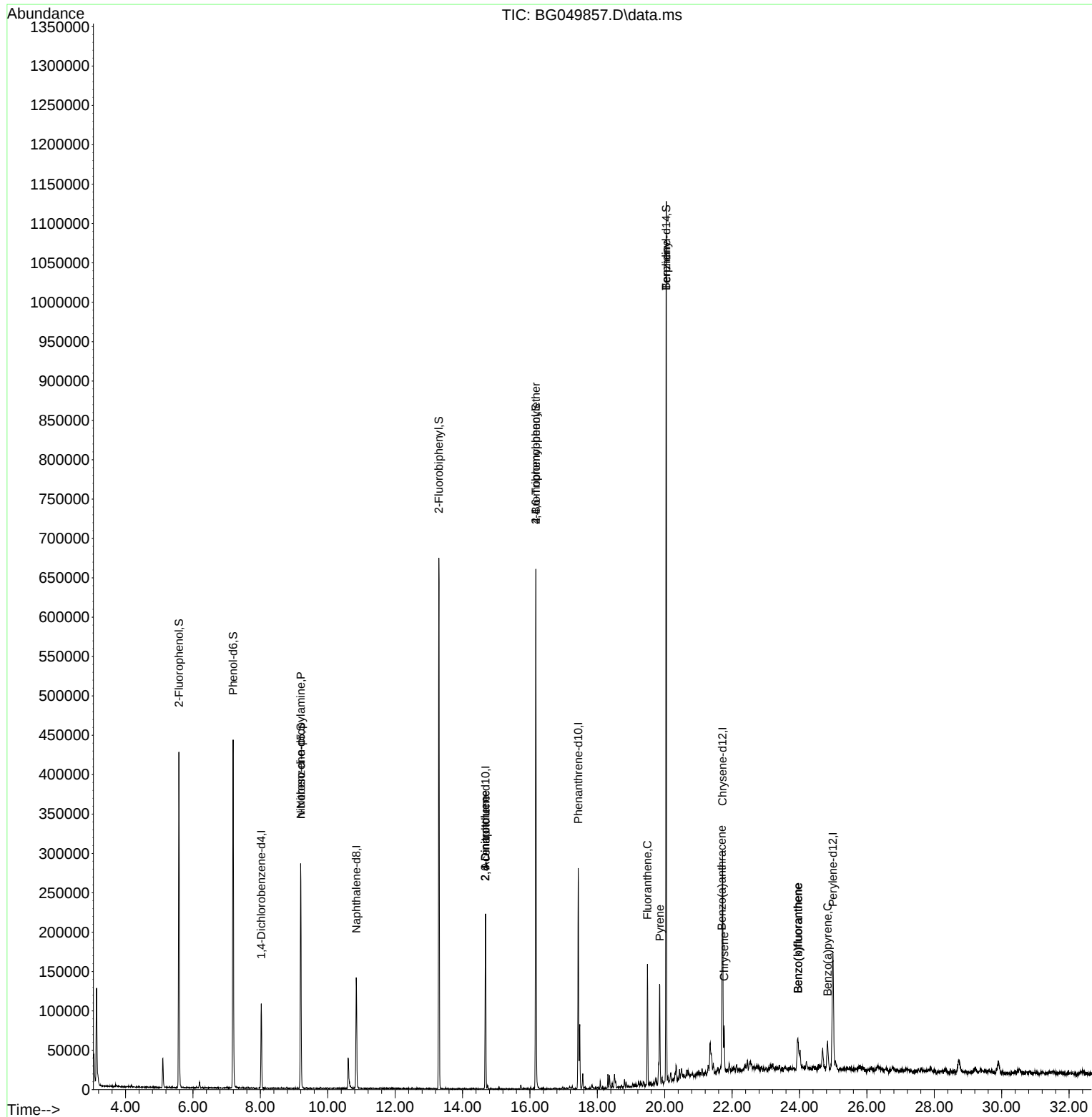
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.027	152	29292	20.000	ng	0.00
21) Naphthalene-d8	10.847	136	116215	20.000	ng	# 0.00
39) Acenaphthene-d10	14.683	164	81943	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	172907	20.000	ng	# 0.00
76) Chrysene-d12	21.714	240	156827	20.000	ng	0.00
86) Perylene-d12	24.986	264	163662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.583	112	176280	107.880	ng	0.00
7) Phenol-d6	7.193	99	243453	98.424	ng	0.00
23) Nitrobenzene-d5	9.196	82	174867	66.584	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	126799	105.275	ng	0.00
45) 2-Fluorobiphenyl	13.296	172	349778	62.111	ng	0.00
79) Terphenyl-d14	20.046	244	528023	61.150	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.196	70	25926	15.663	ng	# 69
51) 2,6-Dinitrotoluene	14.677	165	10763	7.907	ng	# 10
57) 2,4-Dinitrotoluene	14.677	165	10763	5.630	ng	# 15
67) 4-Bromophenyl-phenylether	16.175	248	8008	3.932	ng	# 1
75) Fluoranthene	19.488	202	96495	8.620	ng	99
77) Benzidine	20.040	184	10207	2.540	ng	100
78) Pyrene	19.852	202	85728	8.018	ng	98
81) Benzo(a)anthracene	21.697	228	46465	4.550	ng	97
83) Chrysene	21.761	228	38998	3.995	ng	94
88) Benzo(b)fluoranthene	23.952	252	51931	4.838	ng	# 96
89) Benzo(k)fluoranthene	23.952	252	51931	5.187	ng	# 97
90) Benzo(a)pyrene	24.834	252	41431	4.265	ng	# 90

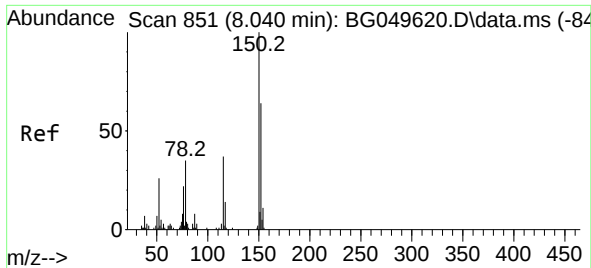
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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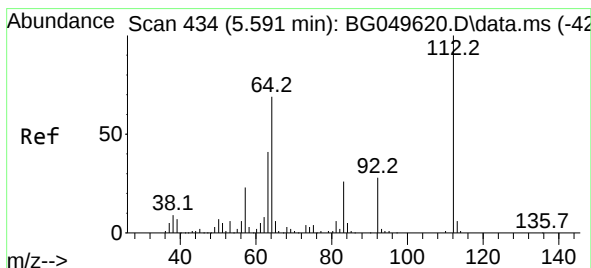
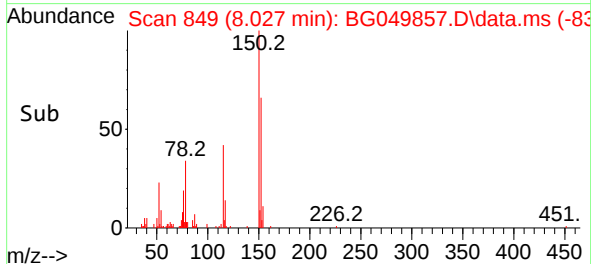
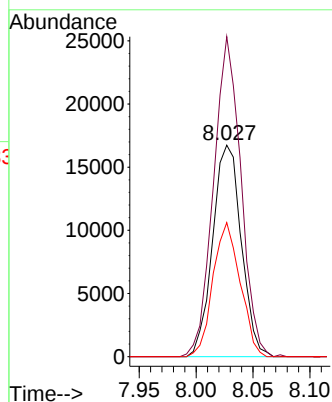
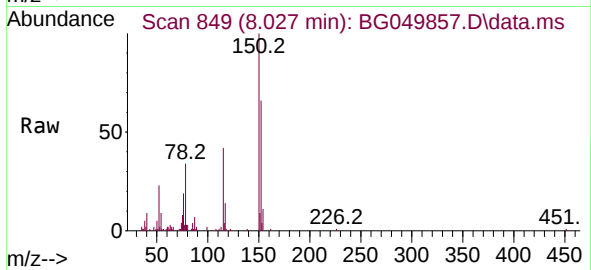




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.027 min Scan# 849
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

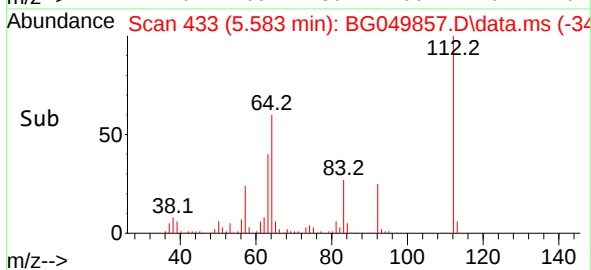
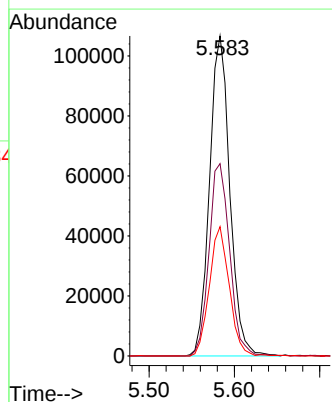
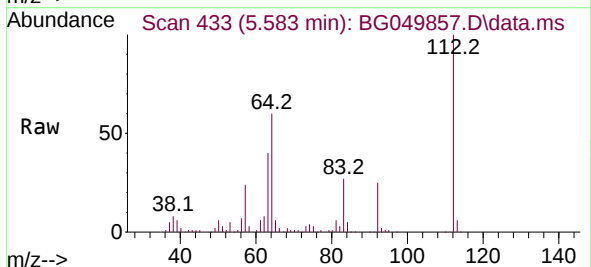
Instrument :
BNA_G
ClientSampleId :
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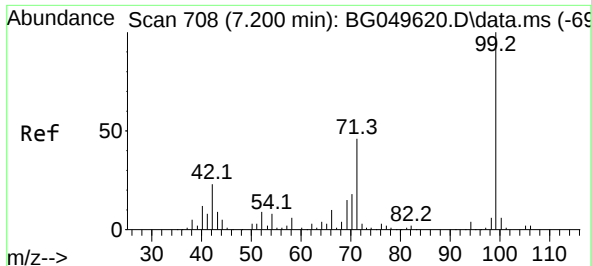
Tgt Ion:152 Resp: 29292
Ion Ratio Lower Upper
152 100
150 151.3 119.4 179.0
115 63.4 60.2 90.4



#5
2-Fluorophenol
Concen: 107.880 ng
RT: 5.583 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:112 Resp: 176280
Ion Ratio Lower Upper
112 100
64 60.1 46.7 70.1
63 40.4 35.3 52.9

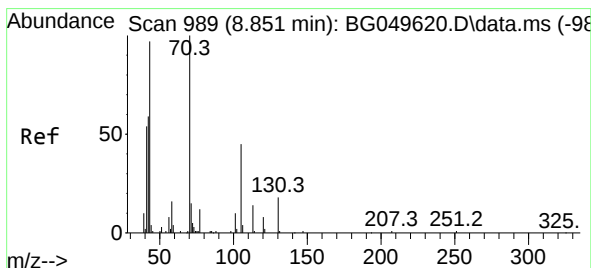
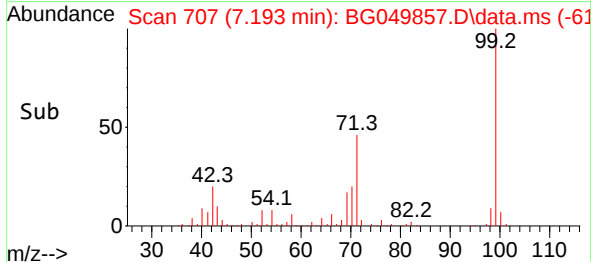
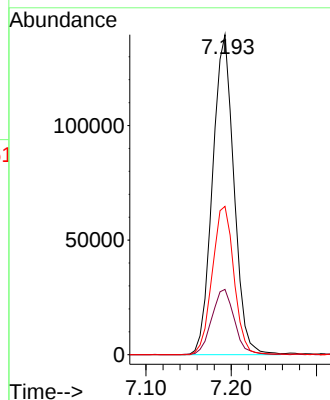
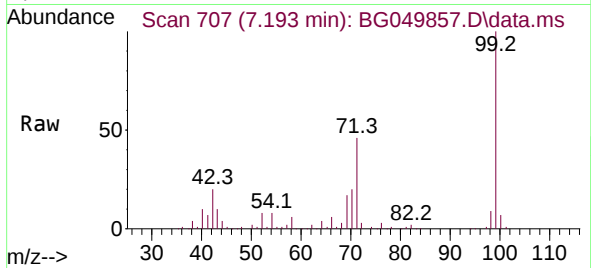




#7
Phenol-d6
Concen: 98.424 ng
RT: 7.193 min Scan# 707
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

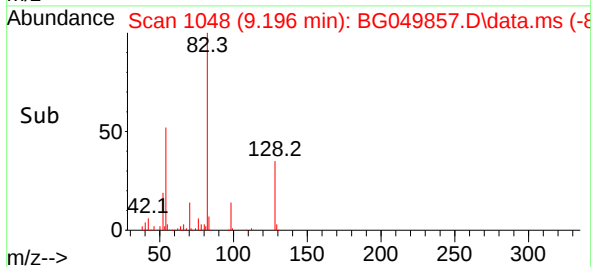
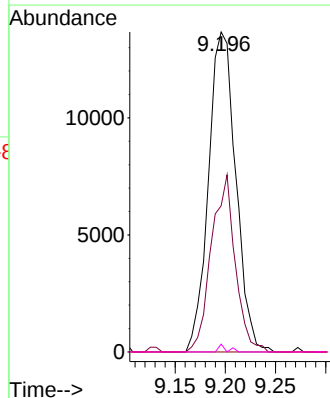
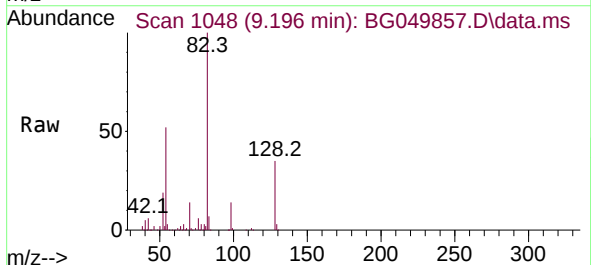
Instrument :
BNA_G
ClientSampleId :
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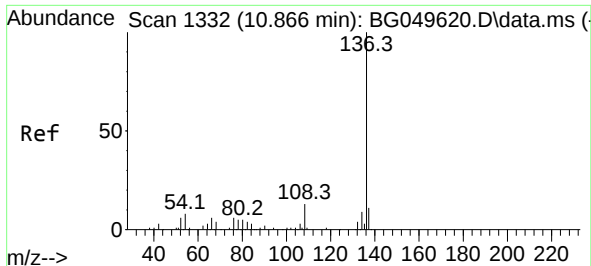
Tgt Ion: 99 Resp: 243453
Ion Ratio Lower Upper
99 100
42 20.4 20.5 30.7#
71 46.4 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.663 ng
RT: 9.196 min Scan# 1048
Delta R.T. 0.357 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion: 70 Resp: 25926
Ion Ratio Lower Upper
70 100
42 45.7 54.5 81.7#
101 0.0 9.0 13.6#
130 2.4 17.0 25.6#

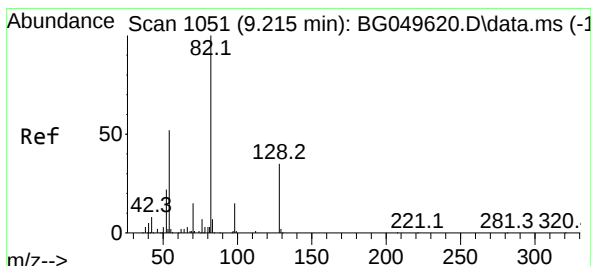
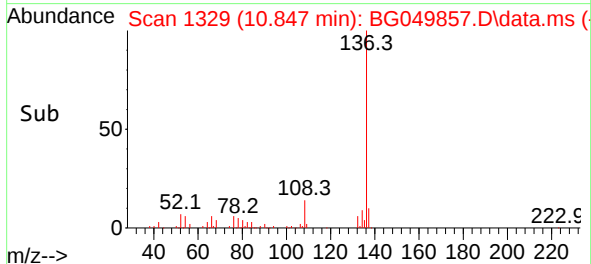
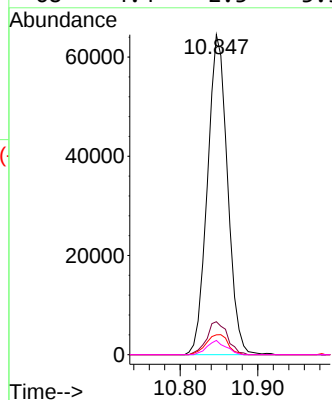
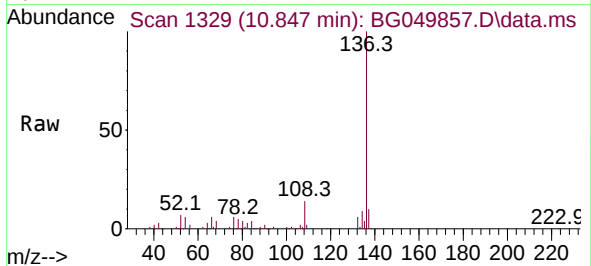




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

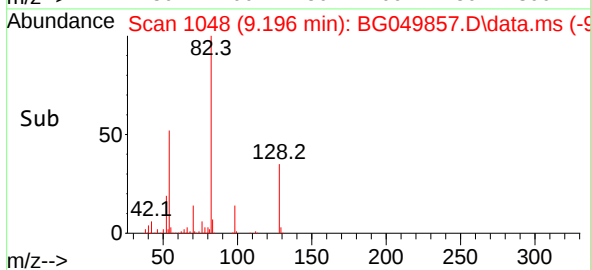
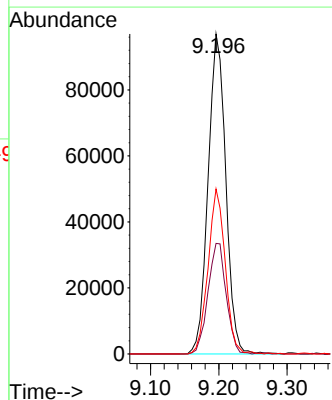
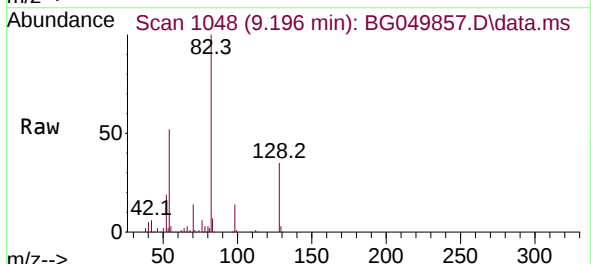
Instrument :
BNA_G
ClientSampleId :
29S

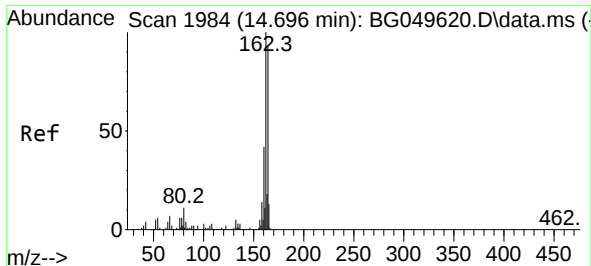
Tgt Ion:	136	Resp:	116215
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.2	12.2
54	6.2	5.5	8.3
68	4.4	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 66.584 ng
RT: 9.196 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:	82	Resp:	174867
Ion Ratio	Lower	Upper	
82	100		
128	34.6	29.8	44.6
54	51.6	45.8	68.8

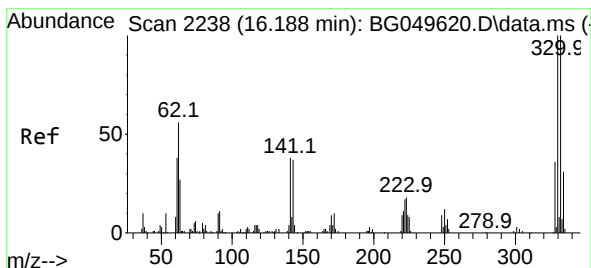
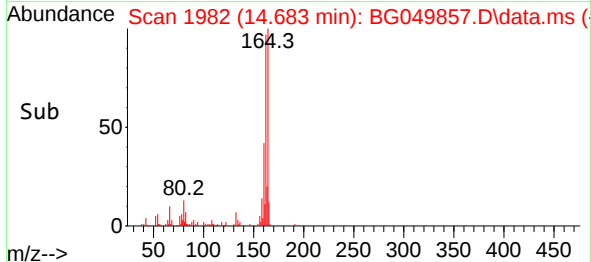
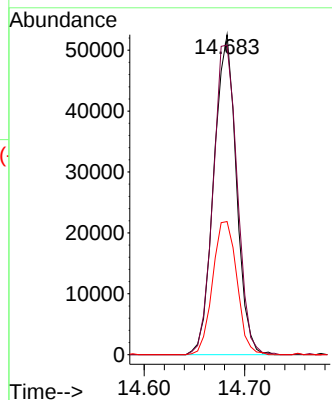
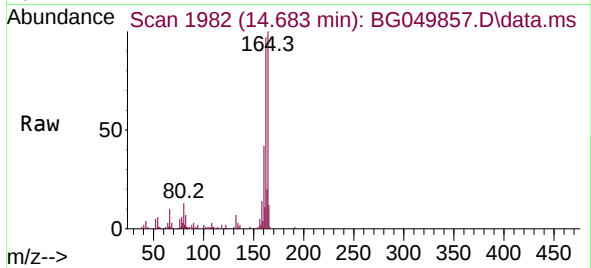




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.683 min Scan# 1982
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

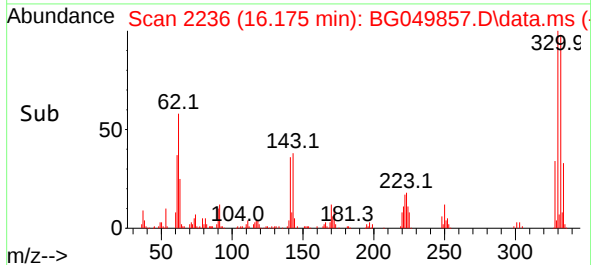
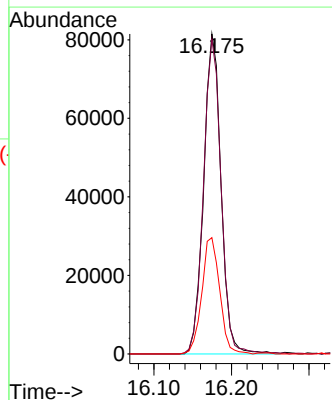
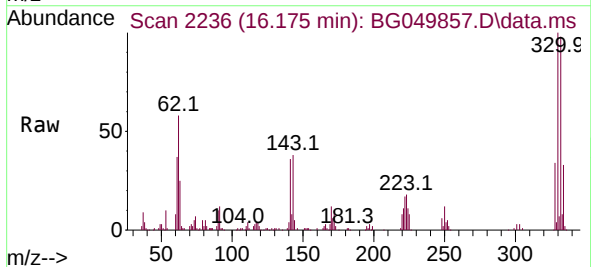
Instrument :
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ClientSampleId :
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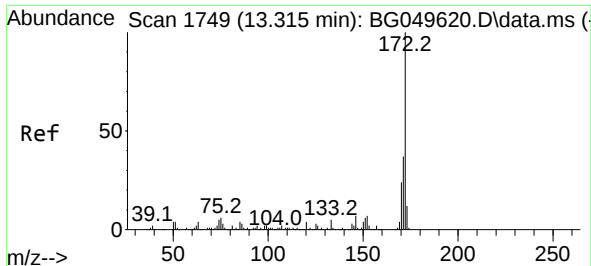
Tgt Ion:164 Resp: 81943
Ion Ratio Lower Upper
164 100
162 96.7 81.4 122.0
160 41.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 105.275 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:330 Resp: 126799
Ion Ratio Lower Upper
330 100
332 99.6 77.3 115.9
141 37.4 35.6 53.4

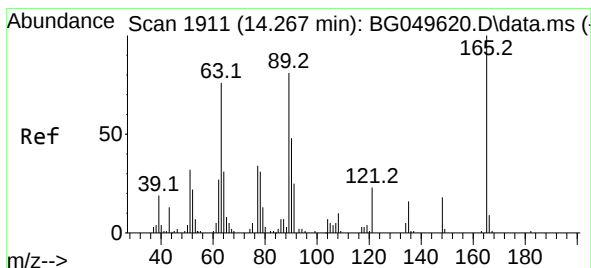
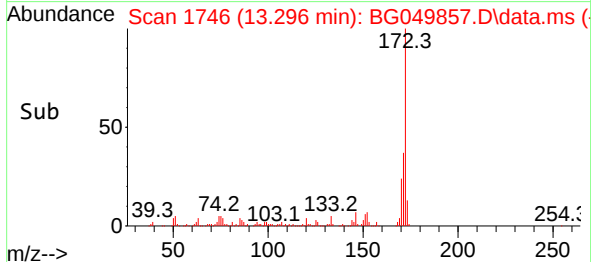
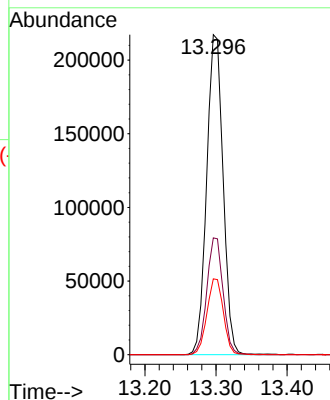
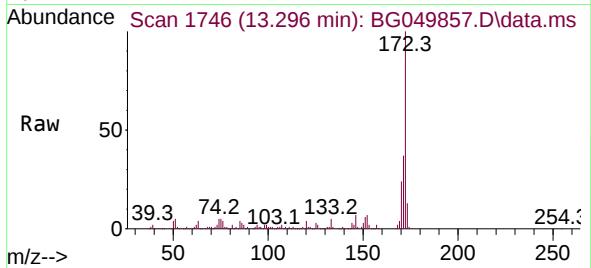




#45
2-Fluorobiphenyl
Concen: 62.111 ng
RT: 13.296 min Scan# 1746
Delta R.T. -0.007 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

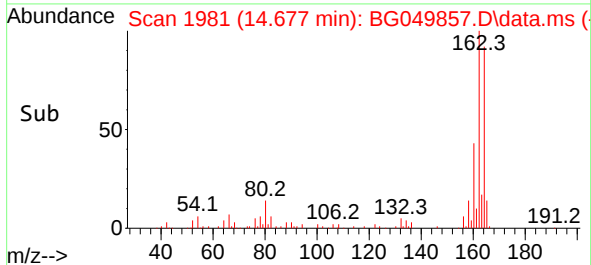
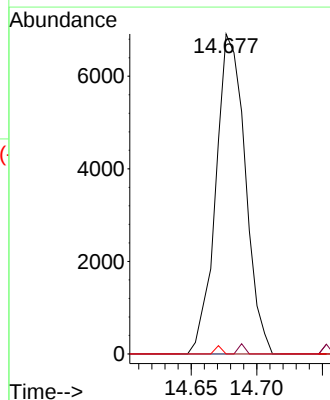
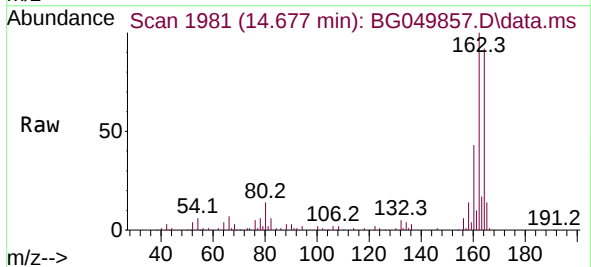
Instrument :
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ClientSampleId :
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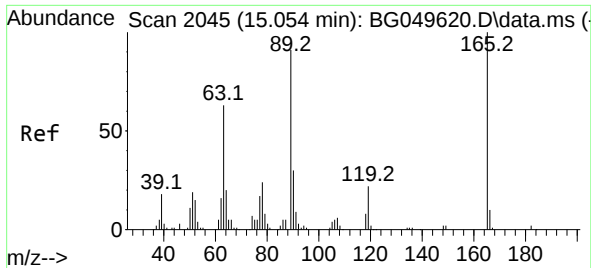
Tgt Ion:172 Resp: 349778
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 23.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.907 ng
RT: 14.677 min Scan# 1981
Delta R.T. 0.422 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:165 Resp: 10763
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#

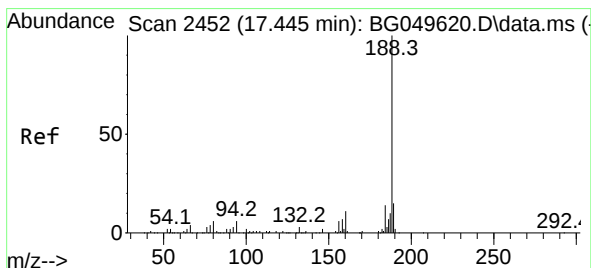
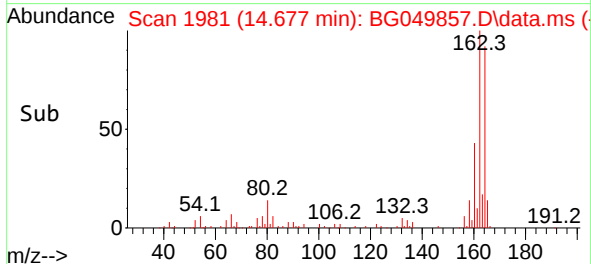
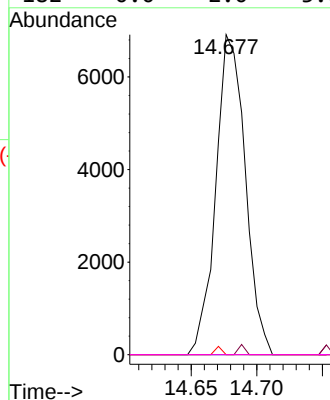
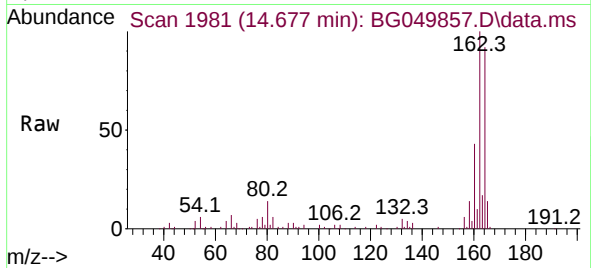




#57
2,4-Dinitrotoluene
Concen: 5.630 ng
RT: 14.677 min Scan# 1981
Delta R.T. -0.371 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

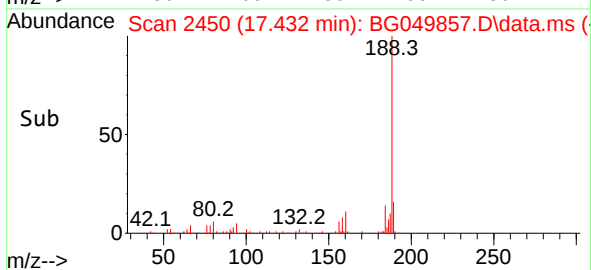
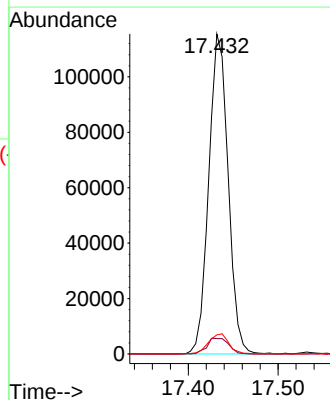
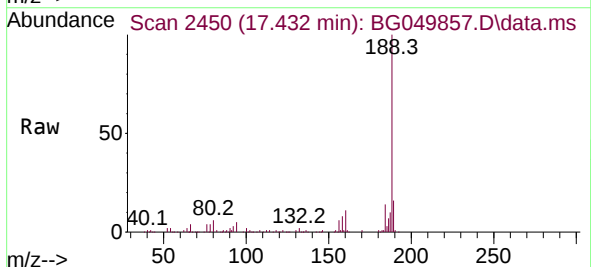
Instrument :
BNA_G
ClientSampled :
29S

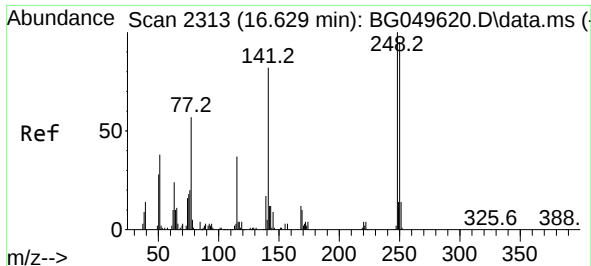
Tgt Ion:165	Resp:	10763
Ion	Ratio	Lower Upper
165	100	
63	0.0	48.0 72.0#
89	0.0	65.4 98.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.007 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:188	Resp:	172907
Ion	Ratio	Lower Upper
188	100	
94	4.8	5.4 8.0#
80	6.0	3.7 5.5#

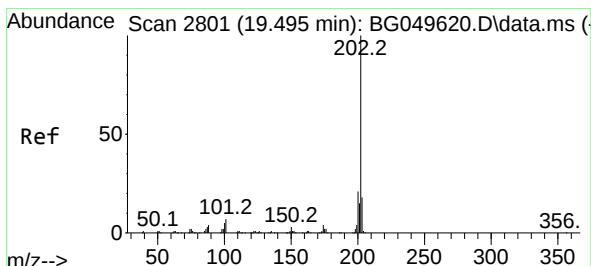
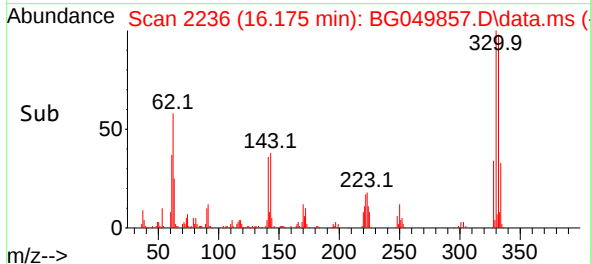
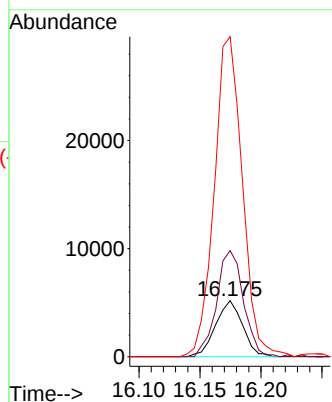
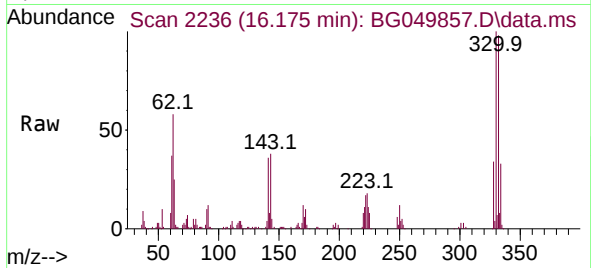




#67
4-Bromophenyl-phenylether
Concen: 3.932 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.442 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

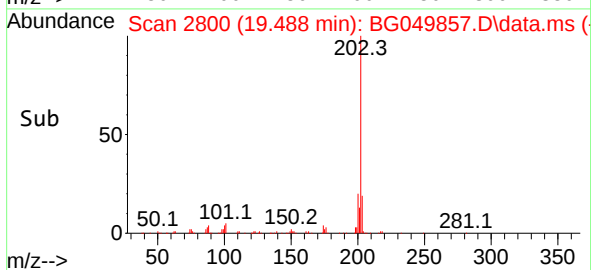
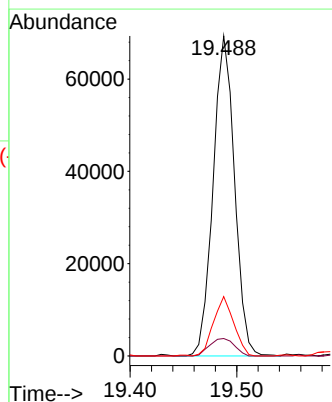
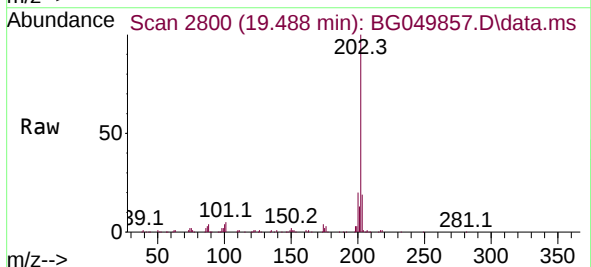
Instrument :
BNA_G
ClientSampled :
29S

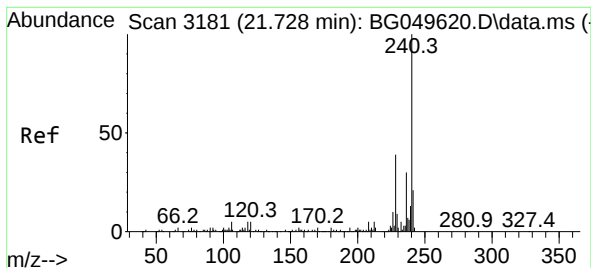
Tgt Ion:248 Resp: 8008
Ion Ratio Lower Upper
248 100
250 189.2 76.1 114.1#
141 570.7 65.4 98.2#



#75
Fluoranthene
Concen: 8.620 ng
RT: 19.488 min Scan# 2800
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:202 Resp: 96495
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 18.6 0.0 38.5

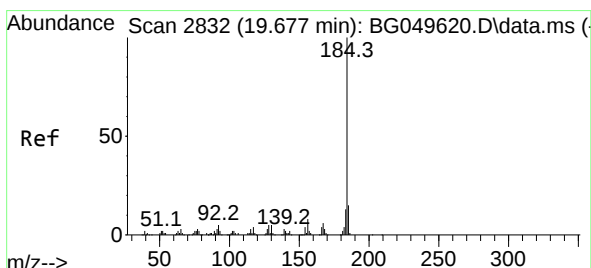
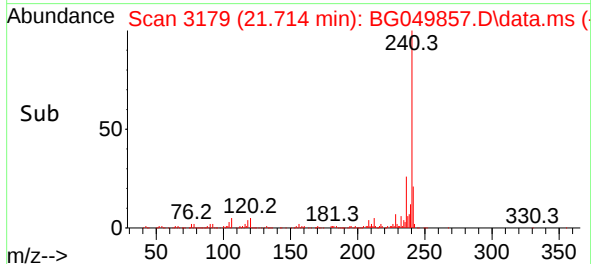
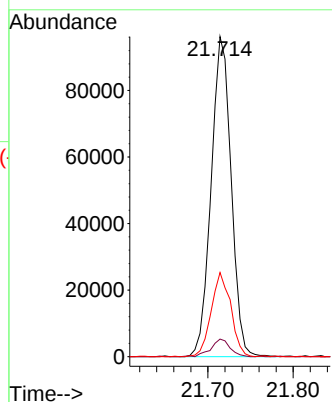
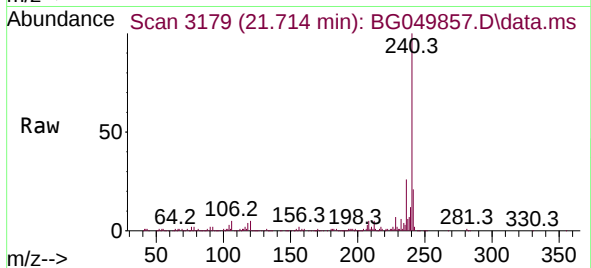




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.714 min Scan# 3179
Delta R.T. -0.007 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

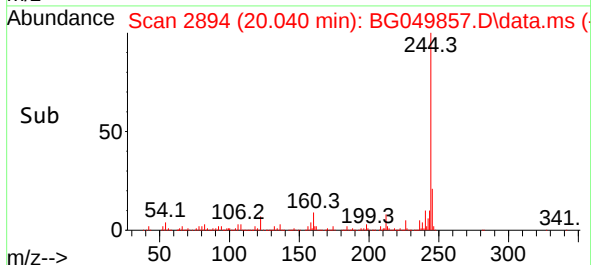
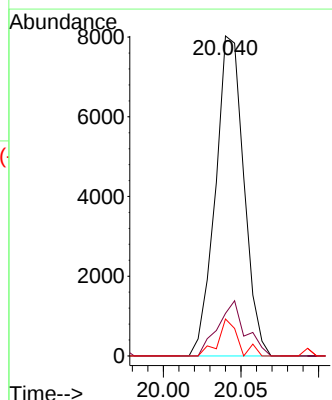
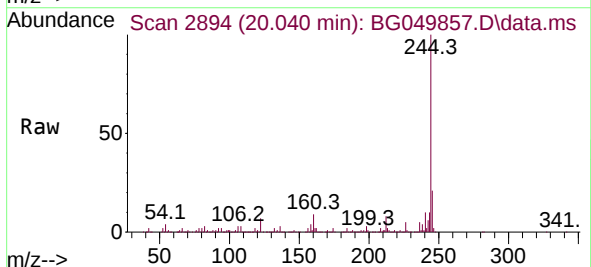
Instrument :
BNA_G
ClientSampleId :
29S

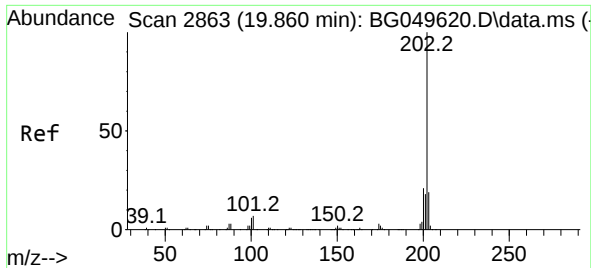
Tgt Ion:240 Resp: 156827
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 26.3 21.8 32.6



#77
Benzidine
Concen: 2.540 ng
RT: 20.040 min Scan# 2894
Delta R.T. 0.375 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:184 Resp: 10207
Ion Ratio Lower Upper
184 100
185 13.3 10.7 16.1
183 11.6 9.4 14.0

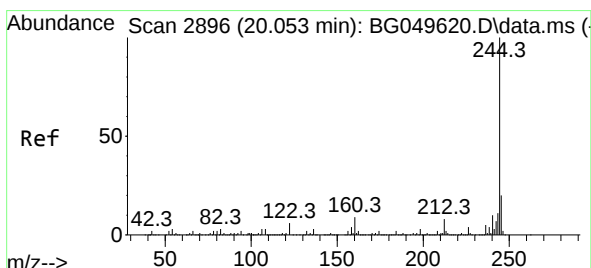
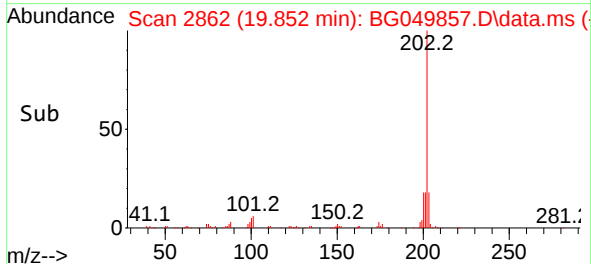
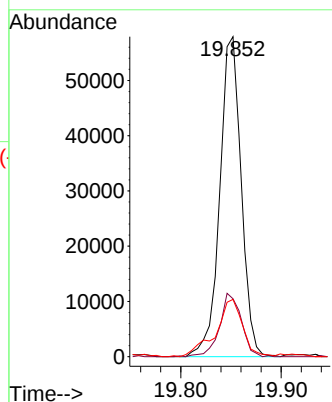
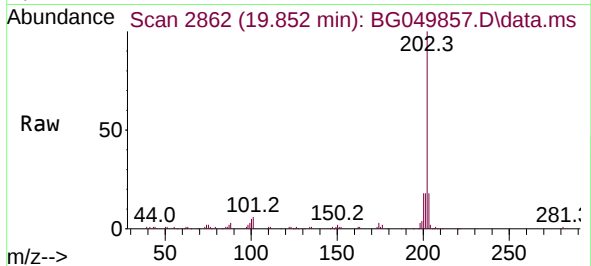




#78
 Pyrene
 Concen: 8.018 ng
 RT: 19.852 min Scan# 2862
 Delta R.T. -0.001 min
 Lab File: BG049857.D
 Acq: 16 Aug 2021 19:47

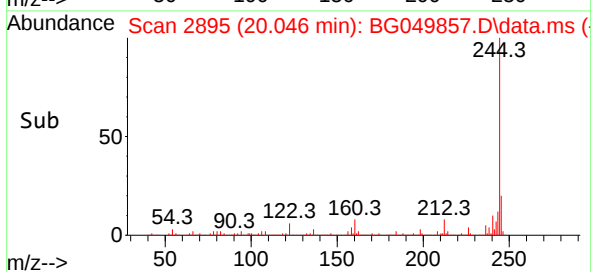
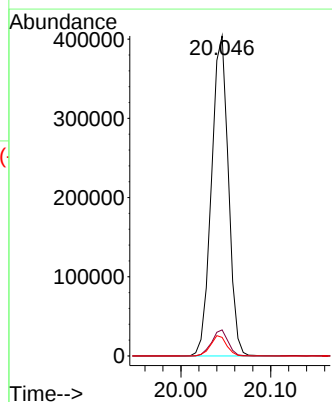
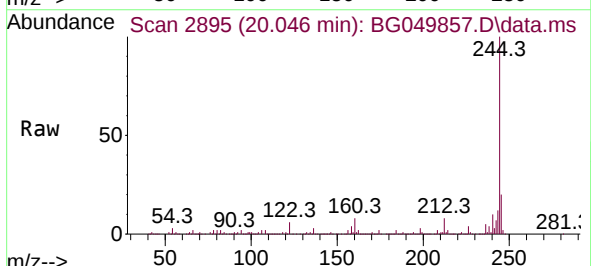
Instrument :
 BNA_G
 ClientSampleId :
 29S

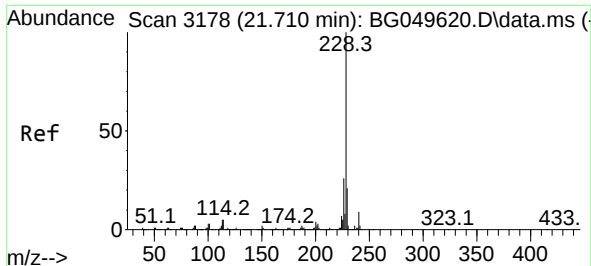
Tgt Ion:202	Resp:	85728
Ion Ratio	Lower	Upper
202	100	
200	18.1	15.8 23.8
203	17.9	14.6 21.8



#79
 Terphenyl-d14
 Concen: 61.150 ng
 RT: 20.046 min Scan# 2895
 Delta R.T. -0.001 min
 Lab File: BG049857.D
 Acq: 16 Aug 2021 19:47

Tgt Ion:244	Resp:	528023
Ion Ratio	Lower	Upper
244	100	
212	8.2	6.9 10.3
122	5.8	5.0 7.6

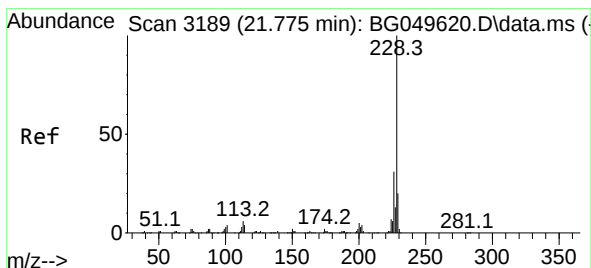
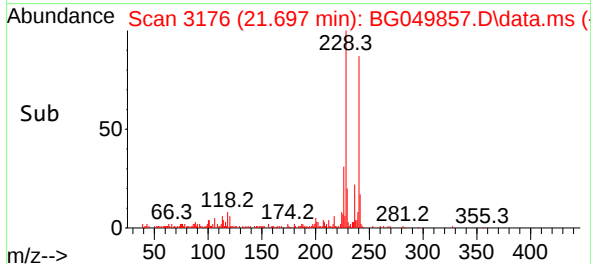
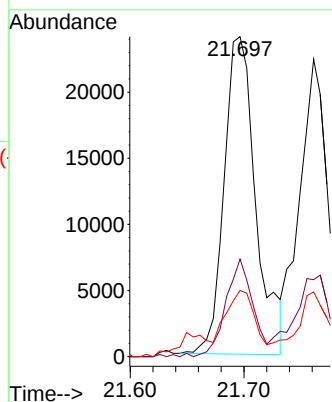
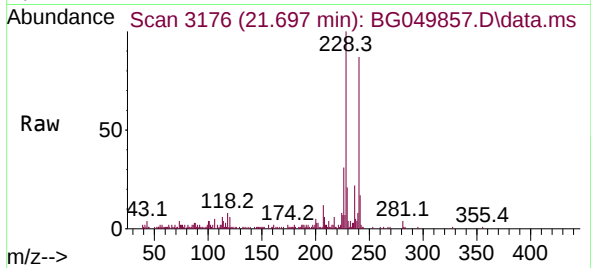




#81
Benzo(a)anthracene
Concen: 4.550 ng
RT: 21.697 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

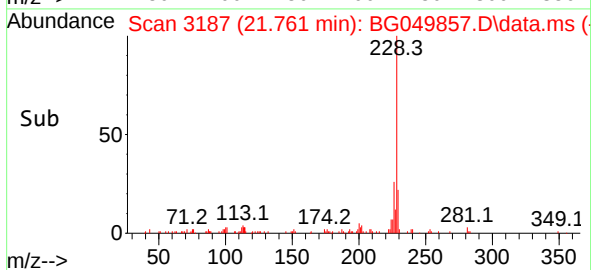
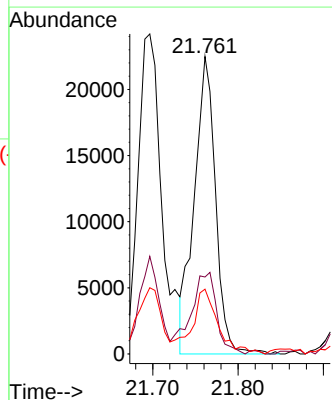
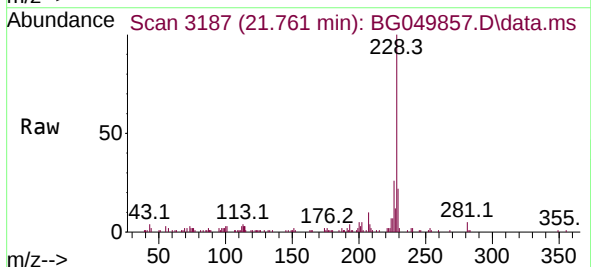
Instrument :
BNA_G
ClientSampleId :
29S

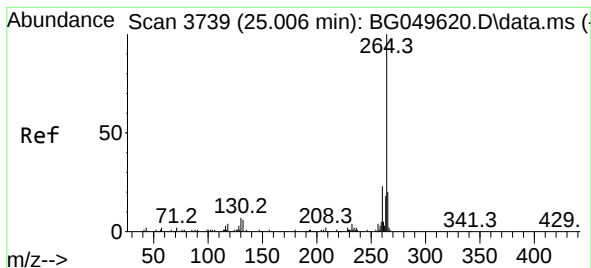
Tgt Ion:228 Resp: 46465
Ion Ratio Lower Upper
228 100
226 30.5 22.7 34.1
229 20.7 16.0 24.0



#83
Chrysene
Concen: 3.995 ng
RT: 21.761 min Scan# 3187
Delta R.T. -0.007 min
Lab File: BG049857.D
Acq: 16 Aug 2021 19:47

Tgt Ion:228 Resp: 38998
Ion Ratio Lower Upper
228 100
226 25.9 23.1 34.7
229 21.8 15.3 22.9

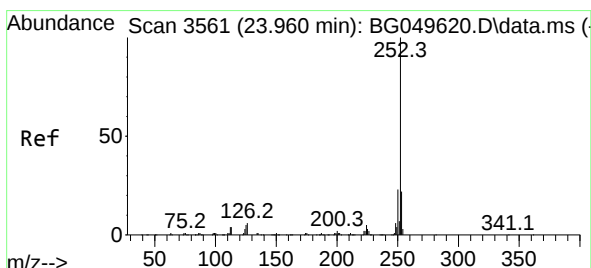
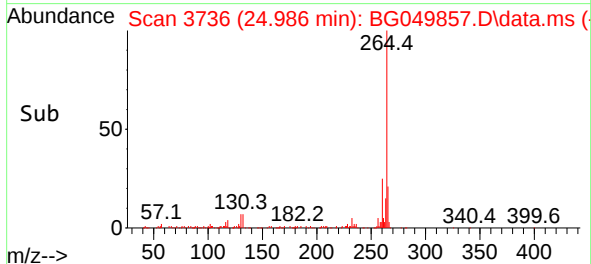
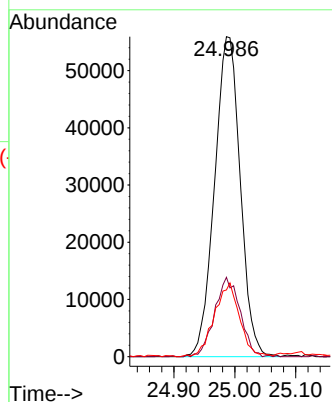
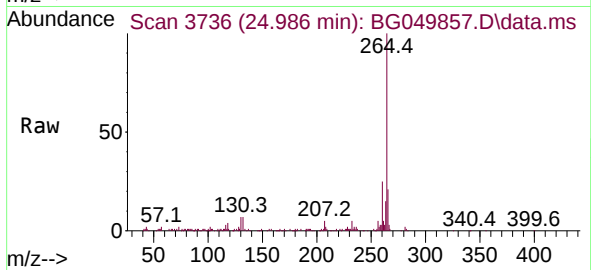




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.986 min Scan# 3736
 Delta R.T. -0.001 min
 Lab File: BG049857.D
 Acq: 16 Aug 2021 19:47

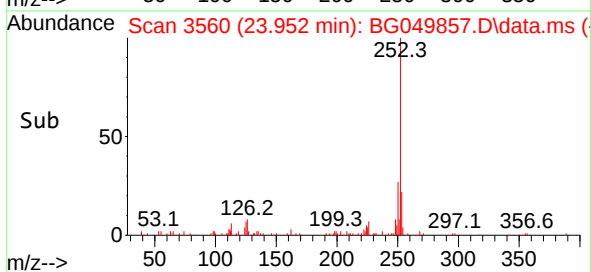
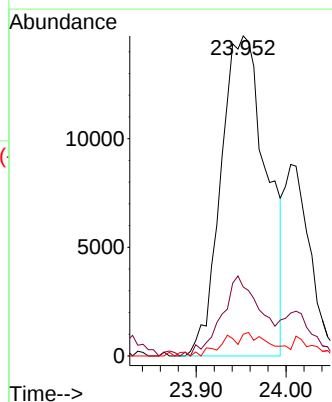
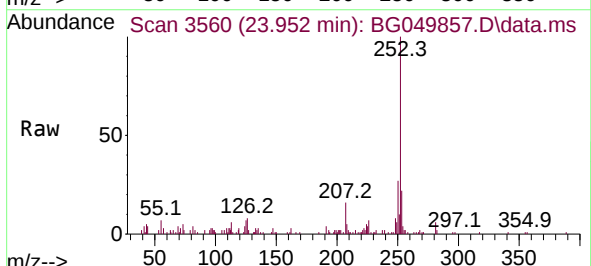
Instrument :
 BNA_G
 ClientSampled :
 29S

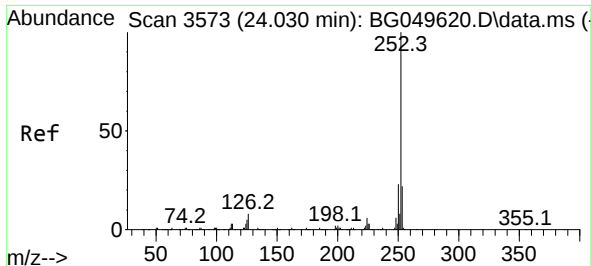
Tgt Ion:264 Resp: 163662
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 20.8 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.838 ng
 RT: 23.952 min Scan# 3560
 Delta R.T. -0.001 min
 Lab File: BG049857.D
 Acq: 16 Aug 2021 19:47

Tgt Ion:252 Resp: 51931
 Ion Ratio Lower Upper
 252 100
 253 21.6 16.2 24.4
 125 6.8 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 5.187 ng

RT: 23.952 min Scan# 3560

Delta R.T. -0.066 min

Lab File: BG049857.D

Acq: 16 Aug 2021 19:47

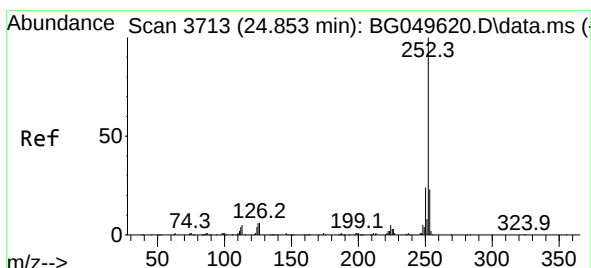
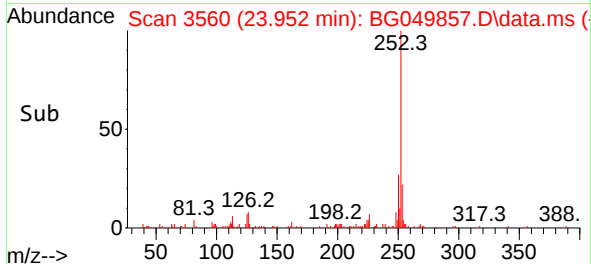
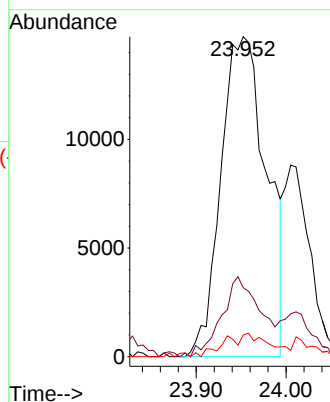
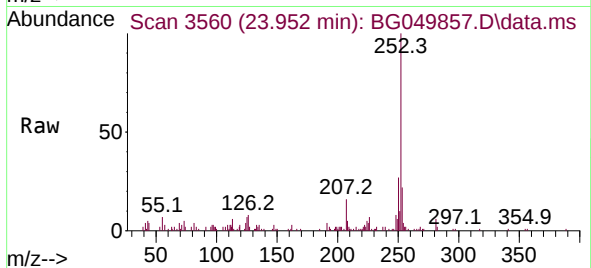
Instrument :

BNA_G

ClientSampled :

29S

Tgt Ion:252	Resp:	51931
Ion Ratio	Lower	Upper
252	100	
253	21.6	18.0 27.0
125	6.8	3.1 4.7#



#90

Benzo(a)pyrene

Concen: 4.265 ng

RT: 24.834 min Scan# 3710

Delta R.T. -0.007 min

Lab File: BG049857.D

Acq: 16 Aug 2021 19:47

Tgt Ion:252	Resp:	41431
Ion Ratio	Lower	Upper
252	100	
253	25.6	16.6 25.0#
125	7.0	3.5 5.3#

