

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049877.D
 Acq On : 17 Aug 2021 14:26
 Operator : CG/JU
 Sample : M3407-14DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 27NDL

Quant Time: Aug 17 15:10:05 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)

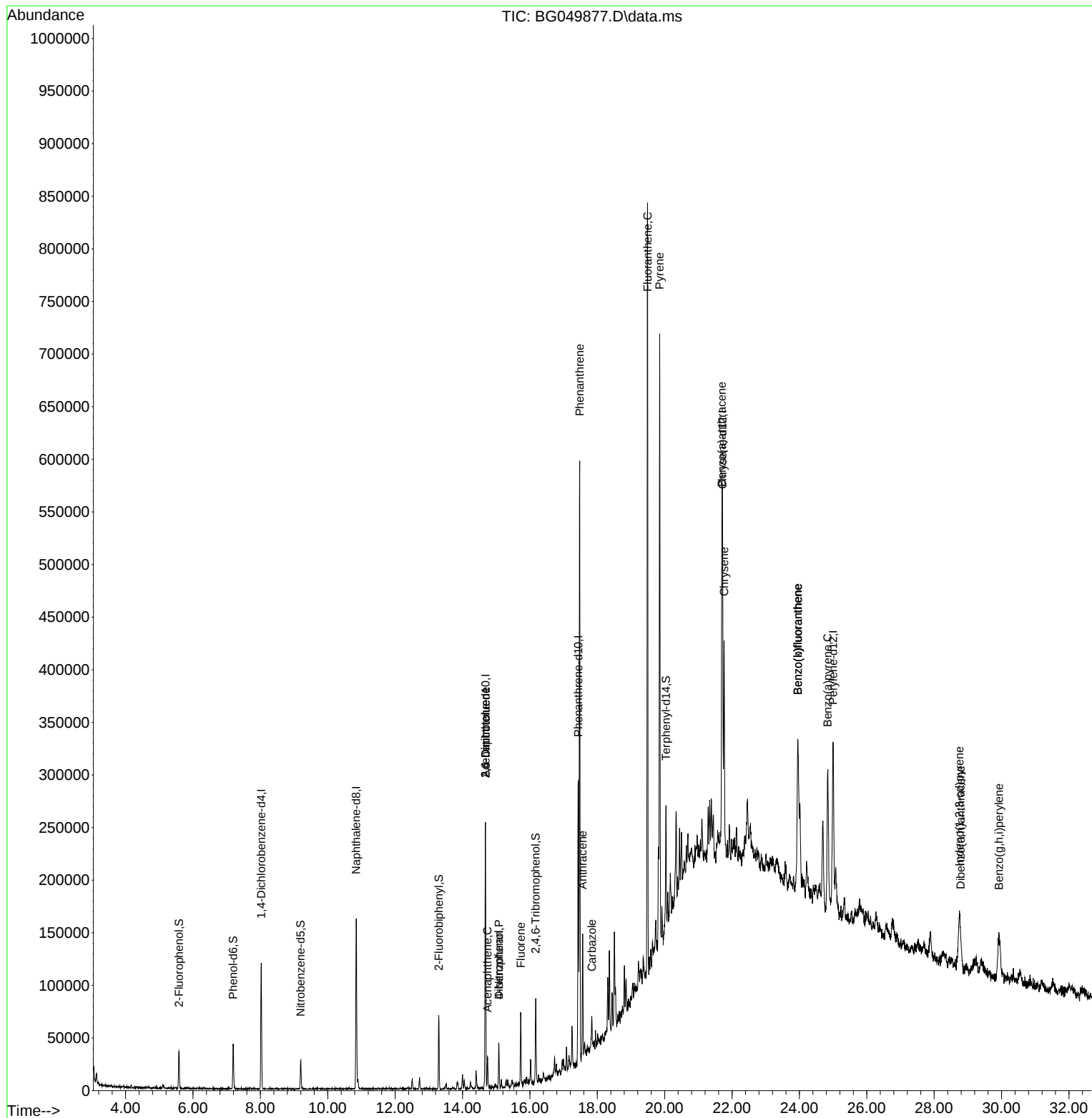
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.026	152	34670	20.000	ng	# 0.00
21) Naphthalene-d8	10.845	136	138774	20.000	ng	# 0.00
39) Acenaphthene-d10	14.681	164	90235	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	169771	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	147005	20.000	ng	0.00
86) Perylene-d12	25.003	264	157693	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.582	112	15979	8.262	ng	0.00
7) Phenol-d6	7.191	99	23445	8.008	ng	0.00
23) Nitrobenzene-d5	9.195	82	18108	5.774	ng	0.00
42) 2,4,6-Tribromophenol	16.173	330	11368	8.571	ng	0.00
45) 2-Fluorobiphenyl	13.295	172	36690	5.916	ng	0.00
79) Terphenyl-d14	20.039	244	44988	5.558	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.681	165	12678	8.458	ng	# 11
52) Acenaphthene	14.740	154	10924	2.229	ng	95
55) Dibenzofuran	15.081	168	21963	2.762	ng	# 87
56) 4-Nitrophenol	15.081	139	9936	9.304	ng	# 1
57) 2,4-Dinitrotoluene	14.681	165	12678	6.022	ng	# 16
58) Fluorene	15.727	166	30618	4.738	ng	87
71) Phenanthrene	17.477	178	355676	39.821	ng	96
72) Anthracene	17.566	178	76056	8.670	ng	98
73) Carbazole	17.836	167	19202	2.311	ng	94
75) Fluoranthene	19.492	202	471257	42.876	ng	98
78) Pyrene	19.851	202	381618	38.078	ng	98
81) Benzo(a)anthracene	21.695	228	184371	19.258	ng	98
83) Chrysene	21.766	228	148434	16.220	ng	98
87) Indeno(1,2,3-cd)pyrene	28.750	276	103744	9.122	ng	# 97
88) Benzo(b)fluoranthene	23.951	252	189830	18.355	ng	# 94
89) Benzo(k)fluoranthene	23.951	252	189830	19.678	ng	# 98
90) Benzo(a)pyrene	24.838	252	150986	16.132	ng	93
91) Dibenzo(a,h)anthracene	28.786	278	27856	2.907	ng	# 79
92) Benzo(g,h,i)perylene	29.925	276	100161	10.668	ng	99

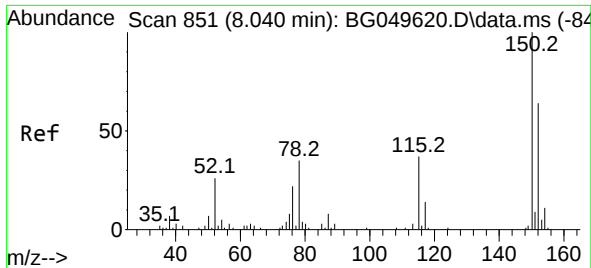
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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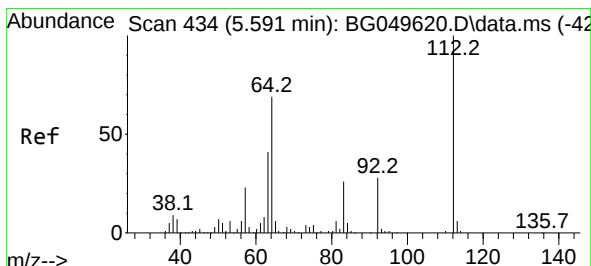
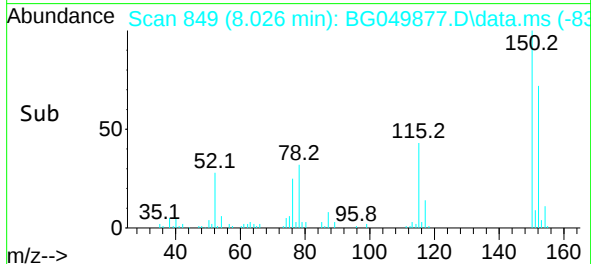
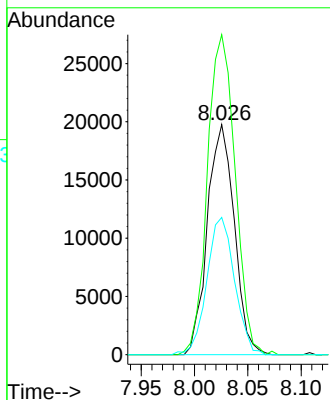
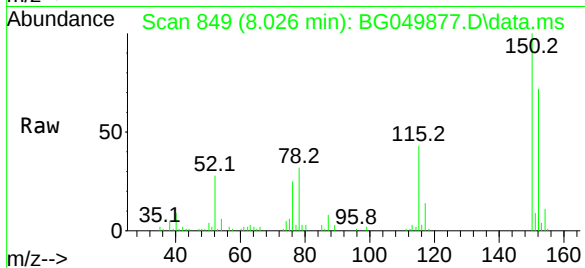




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.026 min Scan# 849
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

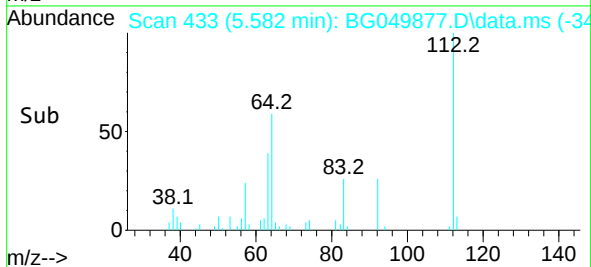
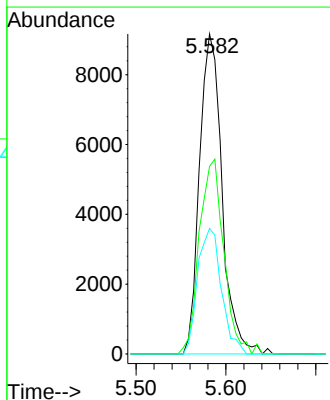
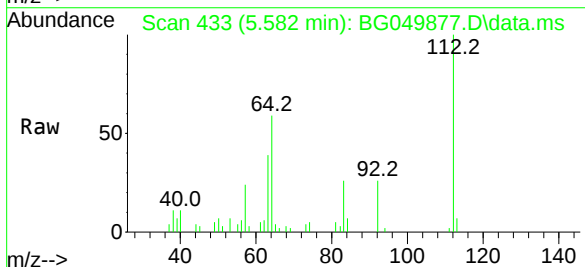
Instrument :
BNA_G
ClientSampleId :
27NDL

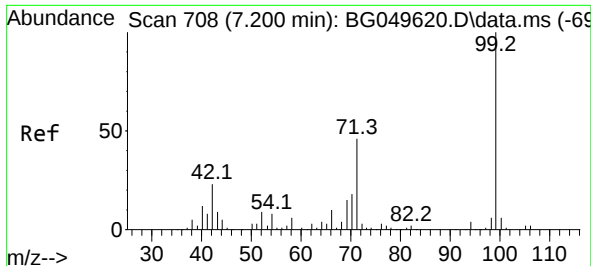
Tgt Ion:152 Resp: 34670
Ion Ratio Lower Upper
152 100
150 139.1 119.4 179.0
115 59.7 60.2 90.4#



#5
2-Fluorophenol
Concen: 8.262 ng
RT: 5.582 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:112 Resp: 15979
Ion Ratio Lower Upper
112 100
64 58.6 46.7 70.1
63 39.3 35.3 52.9

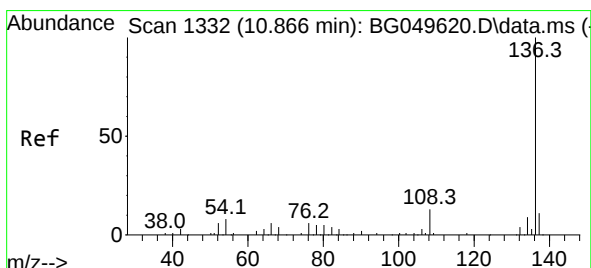
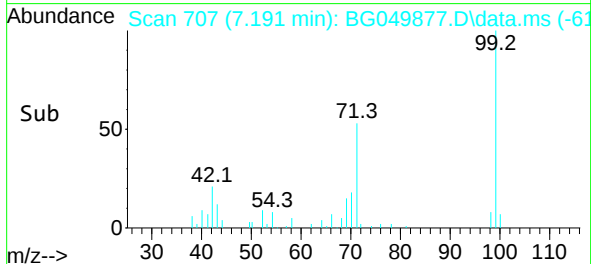
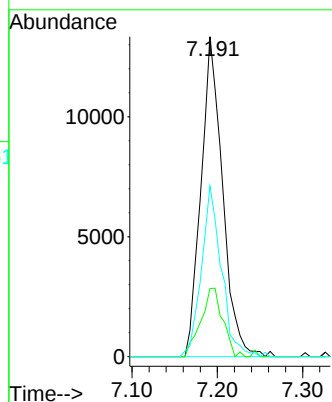
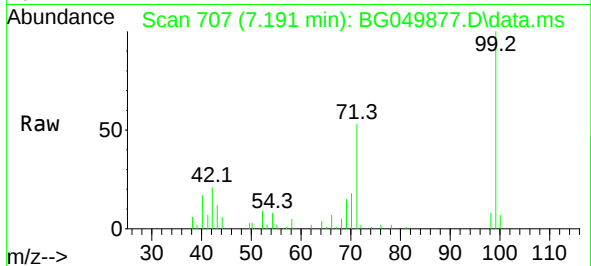




#7
Phenol-d6
Concen: 8.008 ng
RT: 7.191 min Scan# 707
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

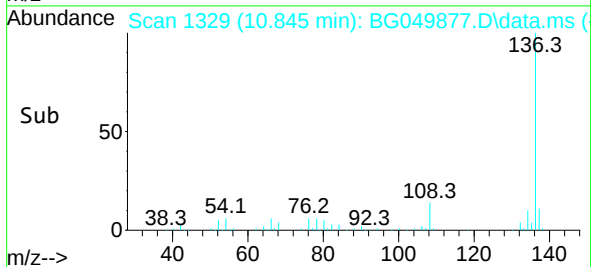
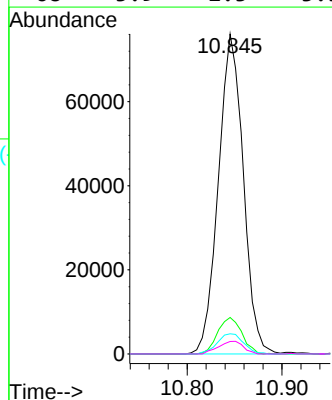
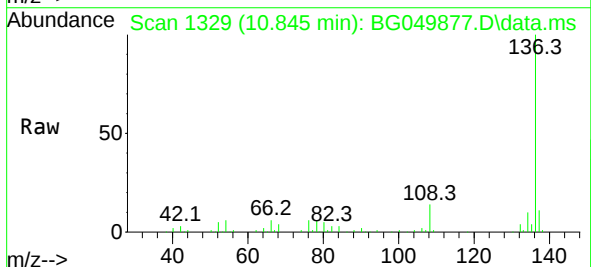
Instrument :
BNA_G
ClientSampleId :
27NDL

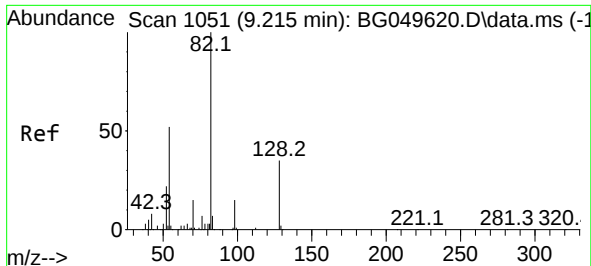
Tgt Ion: 99 Resp: 23445
Ion Ratio Lower Upper
99 100
42 21.3 20.5 30.7
71 53.3 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.845 min Scan# 1329
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion: 136 Resp: 138774
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 6.3 5.5 8.3
68 3.9 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 5.774 ng

RT: 9.195 min Scan# 1048

Delta R.T. -0.002 min

Lab File: BG049877.D

Acq: 17 Aug 2021 14:26

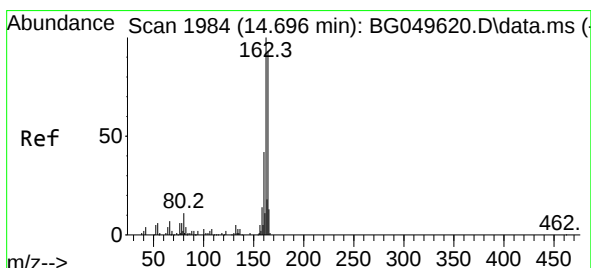
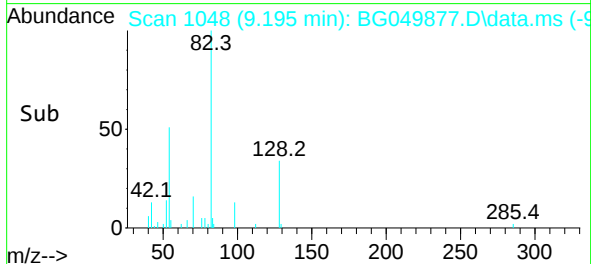
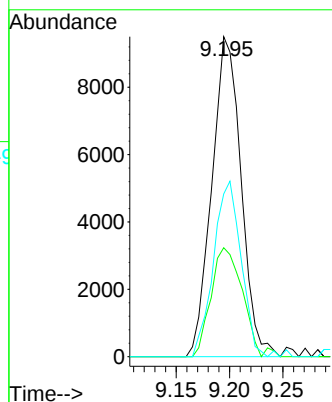
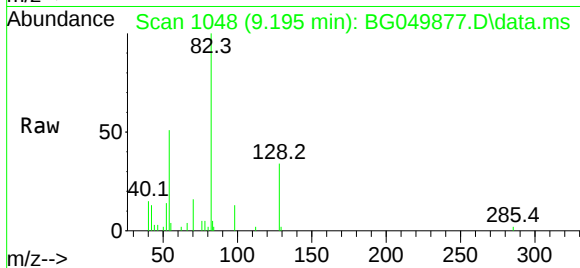
Instrument :

BNA_G

ClientSampleId :

27NDL

Tgt Ion:	82	Resp:	18108
Ion	Ratio	Lower	Upper
82	100		
128	34.0	29.8	44.6
54	50.9	45.8	68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

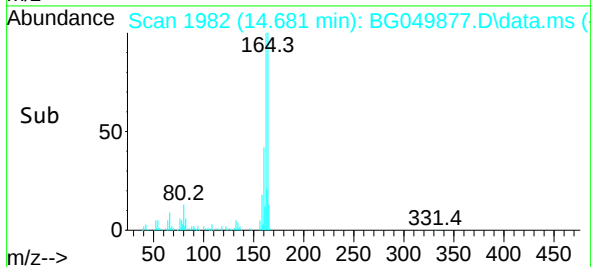
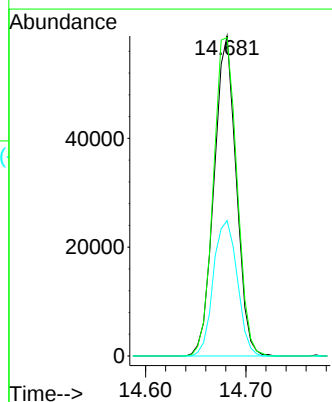
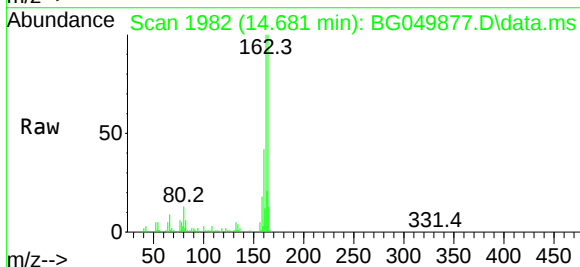
RT: 14.681 min Scan# 1982

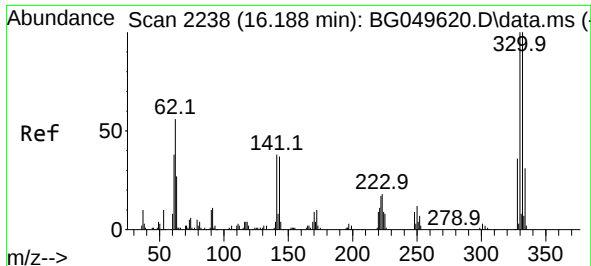
Delta R.T. -0.002 min

Lab File: BG049877.D

Acq: 17 Aug 2021 14:26

Tgt Ion:	164	Resp:	90235
Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.4	122.0
160	42.3	34.9	52.3

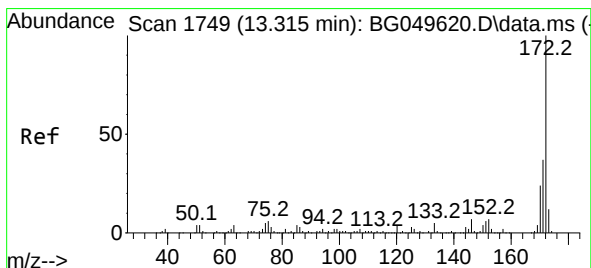
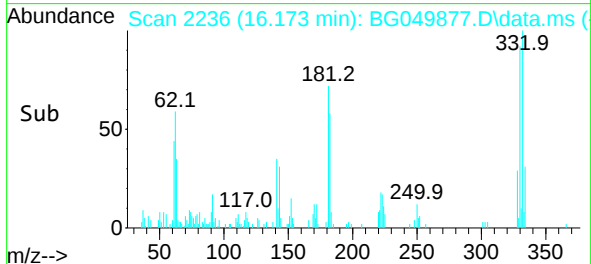
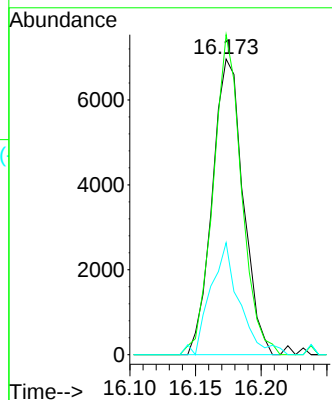
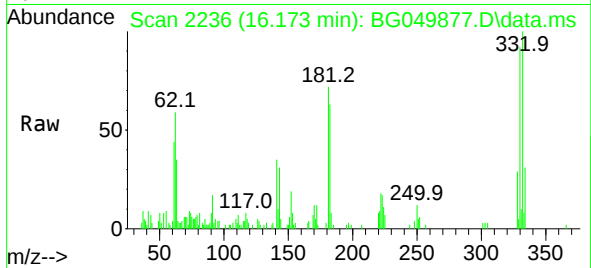




#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 16.173 min Scan# 2236
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

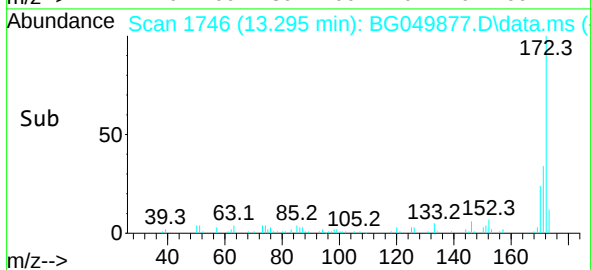
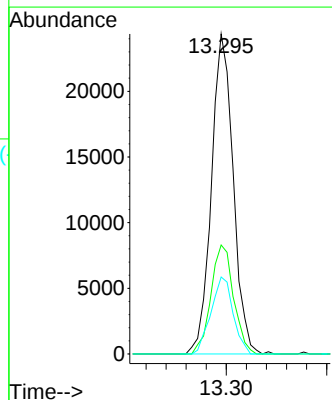
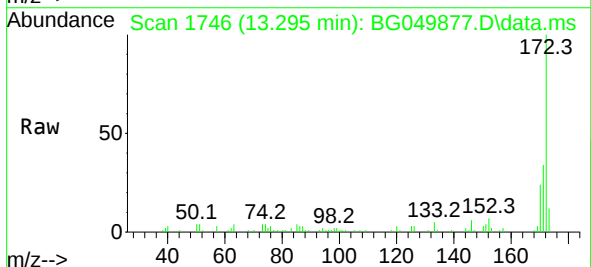
Instrument :
BNA_G
ClientSampled :
27NDL

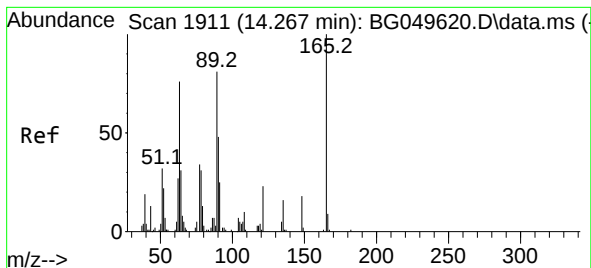
Tgt Ion:330 Resp: 11368
Ion Ratio Lower Upper
330 100
332 99.6 77.3 115.9
141 35.6 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 5.916 ng
RT: 13.295 min Scan# 1746
Delta R.T. -0.008 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:172 Resp: 36690
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 24.0 18.6 27.8

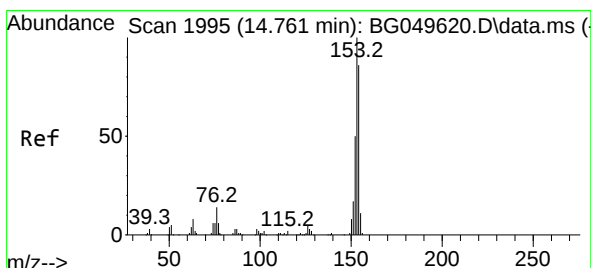
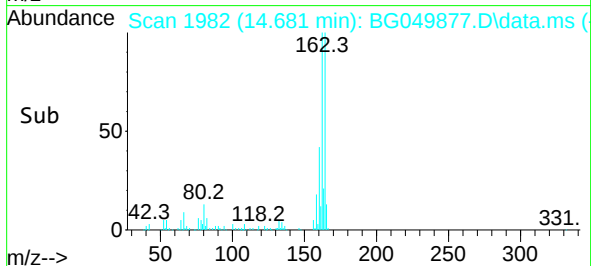
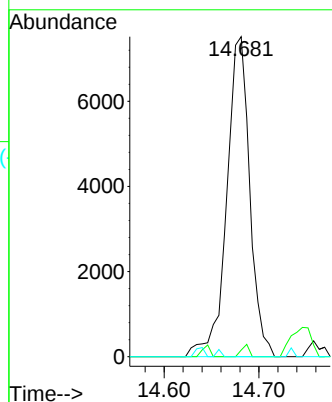
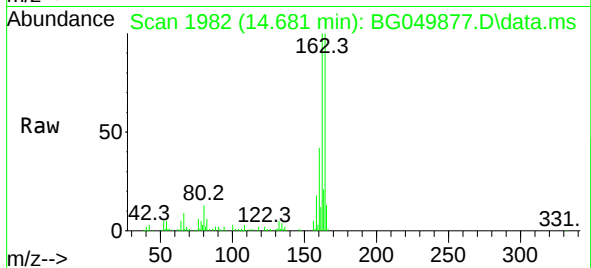




#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 14.681 min Scan# 1982
Delta R.T. 0.426 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

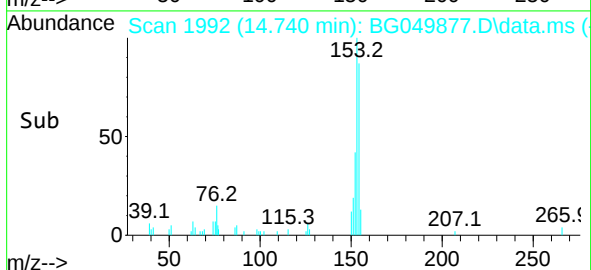
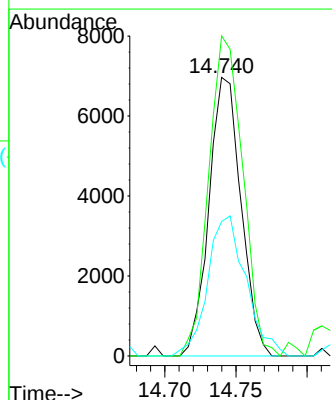
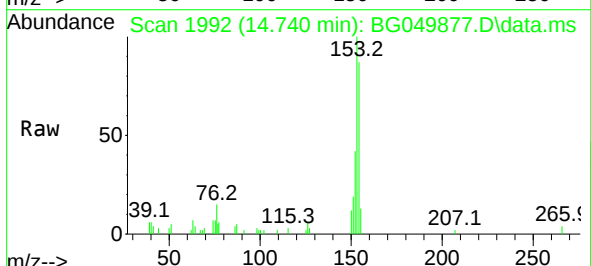
Instrument :
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ClientSampleId :
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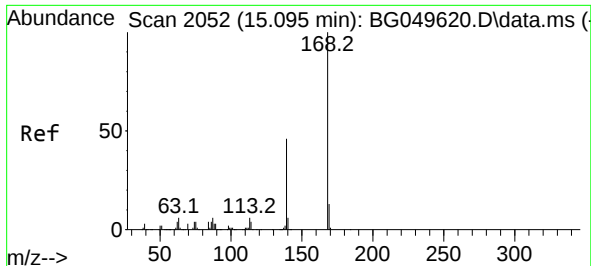
Tgt Ion:165 Resp: 12678
Ion Ratio Lower Upper
165 100
63 2.1 63.3 94.9#
89 0.0 63.4 95.0#



#52
Acenaphthene
Concen: 2.229 ng
RT: 14.740 min Scan# 1992
Delta R.T. -0.008 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:154 Resp: 10924
Ion Ratio Lower Upper
154 100
153 114.9 87.0 130.4
152 48.3 40.1 60.1

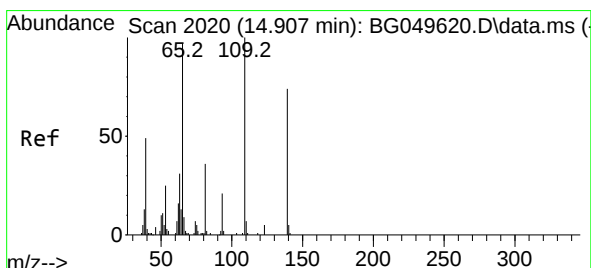
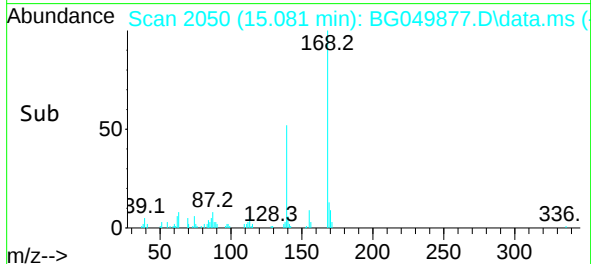
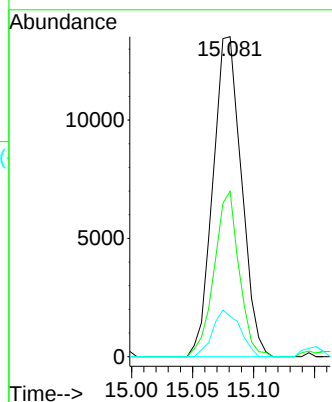
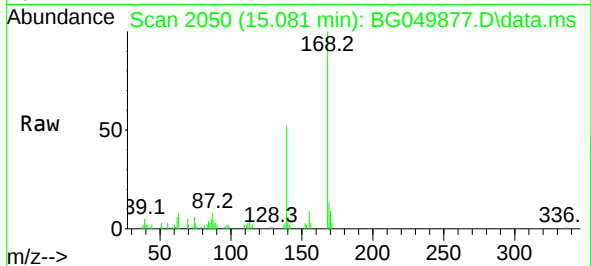




#55
Dibenzenofuran
Concen: 2.762 ng
RT: 15.081 min Scan# 2050
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

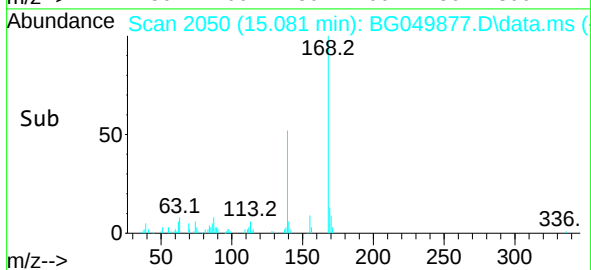
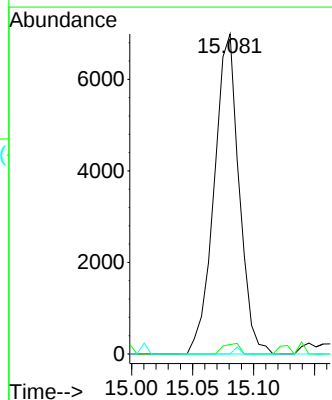
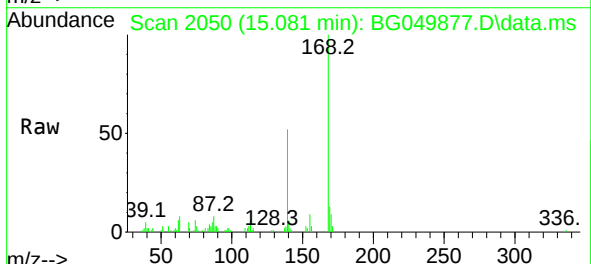
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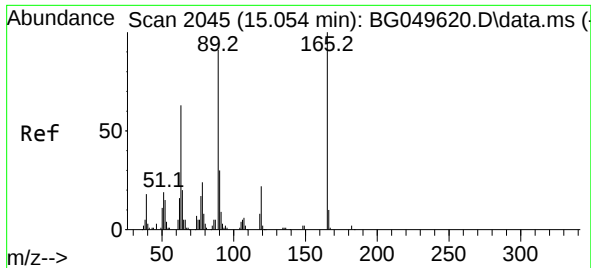
Tgt Ion:168 Resp: 21963
Ion Ratio Lower Upper
168 100
139 51.7 33.4 50.2#
169 12.6 12.3 18.5



#56
4-Nitrophenol
Concen: 9.304 ng
RT: 15.081 min Scan# 2050
Delta R.T. 0.168 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:139 Resp: 9936
Ion Ratio Lower Upper
139 100
109 2.9 116.3 156.3#
65 0.0 105.0 145.0#

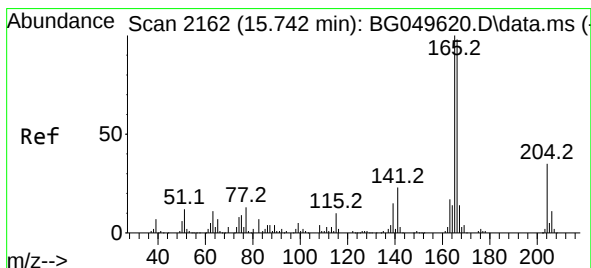
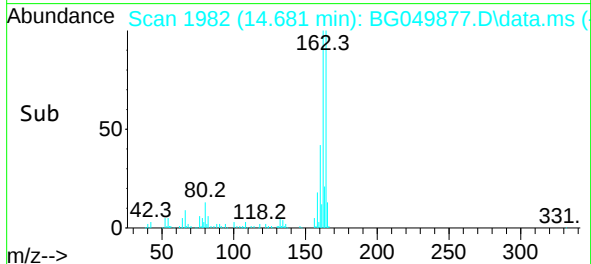
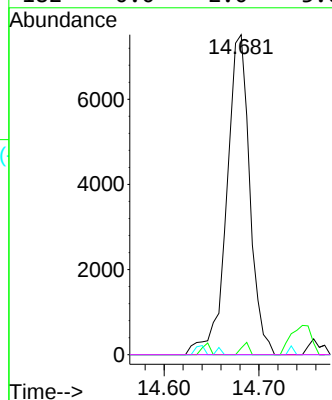
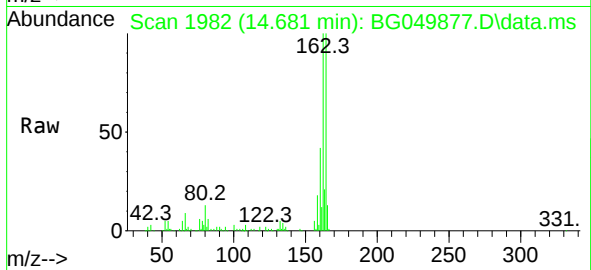




#57
2,4-Dinitrotoluene
Concen: 6.022 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.367 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

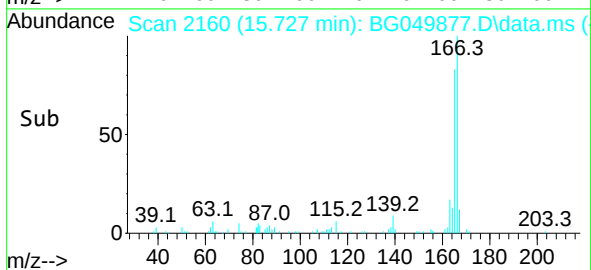
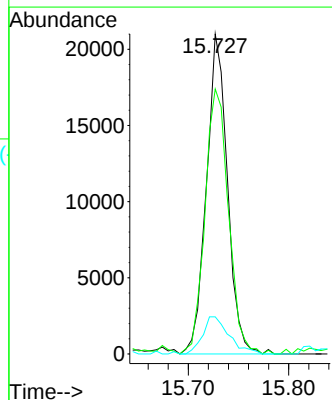
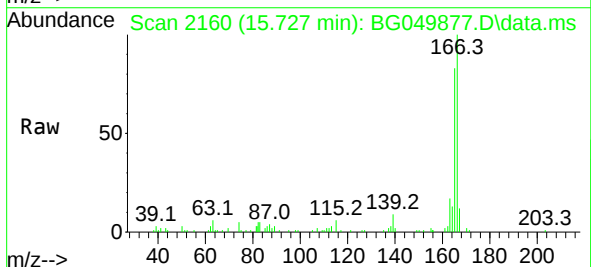
Instrument :
BNA_G
ClientSampleId :
27NDL

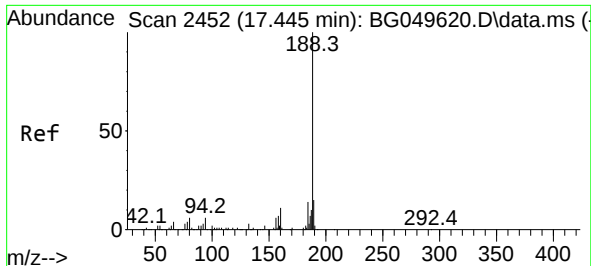
Tgt Ion:	165	Resp:	12678
Ion	Ratio	Lower	Upper
165	100		
63	2.1	48.0	72.0#
89	0.0	65.4	98.0#
182	0.0	2.0	3.0#



#58
Fluorene
Concen: 4.738 ng
RT: 15.727 min Scan# 2160
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:	166	Resp:	30618
Ion	Ratio	Lower	Upper
166	100		
165	82.8	77.7	116.5
167	11.6	10.8	16.2

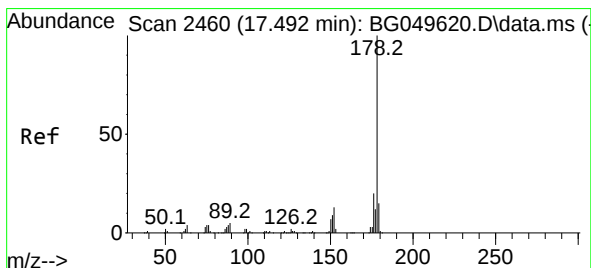
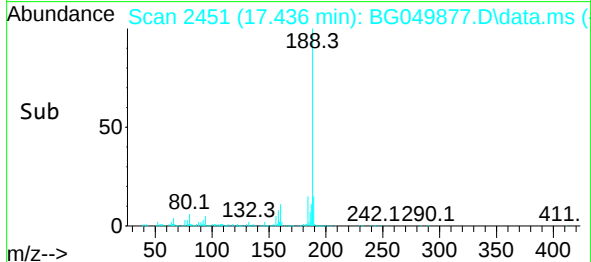
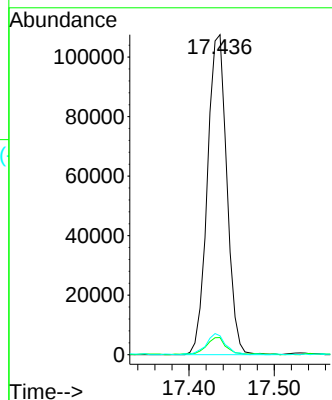
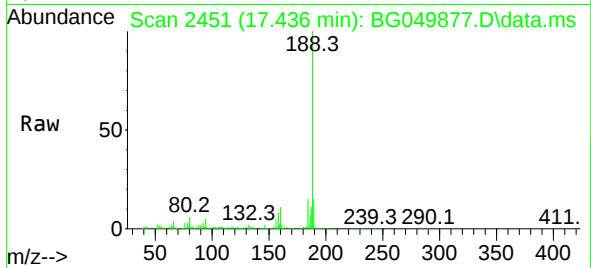




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 2451
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

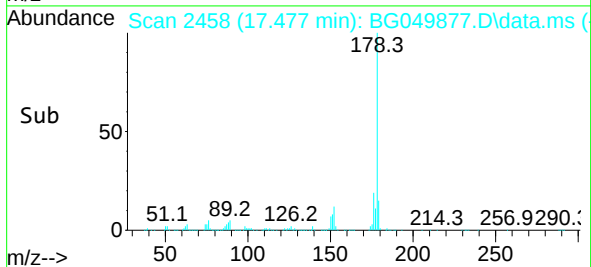
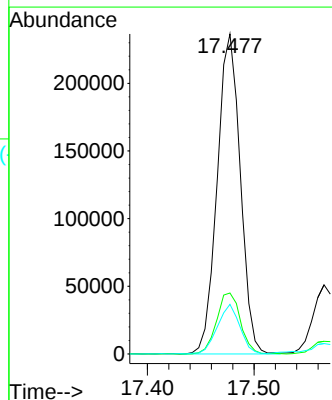
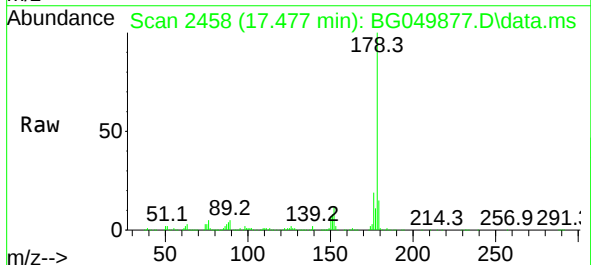
Instrument :
BNA_G
ClientSampleId :
27NDL

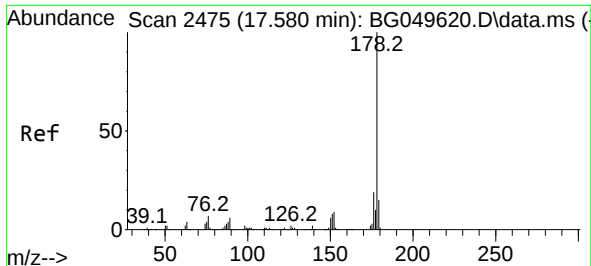
Tgt Ion:188 Resp: 169771
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 5.9 3.7 5.5#



#71
Phenanthrene
Concen: 39.821 ng
RT: 17.477 min Scan# 2458
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:178 Resp: 355676
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.5 14.2 21.4

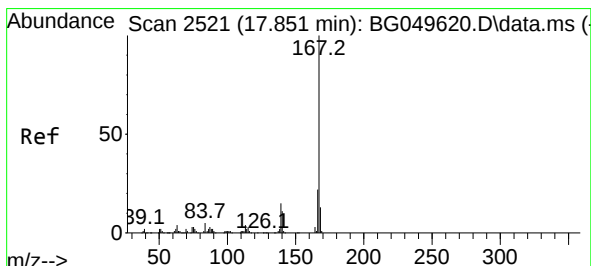
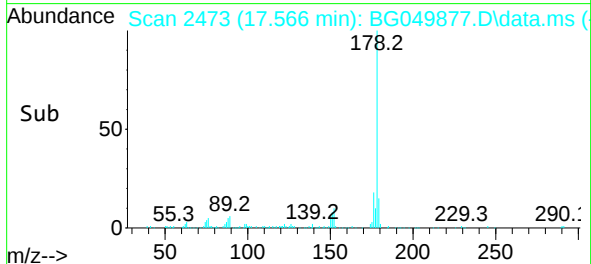
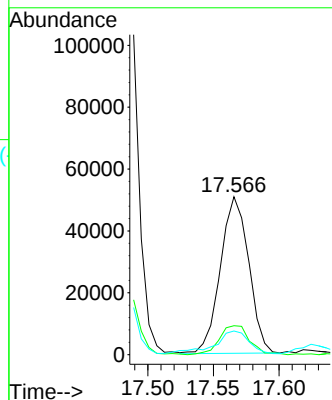
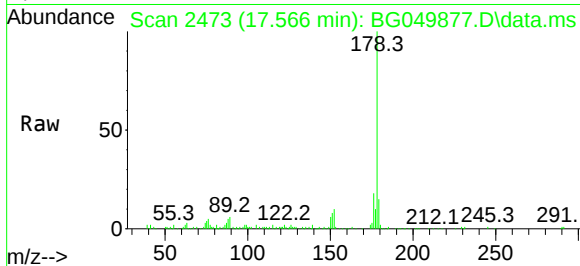




#72
 Anthracene
 Concen: 8.670 ng
 RT: 17.566 min Scan# 2473
 Delta R.T. -0.002 min
 Lab File: BG049877.D
 Acq: 17 Aug 2021 14:26

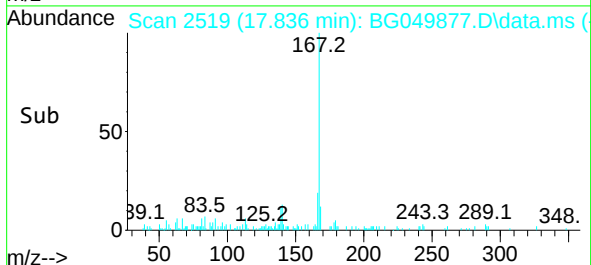
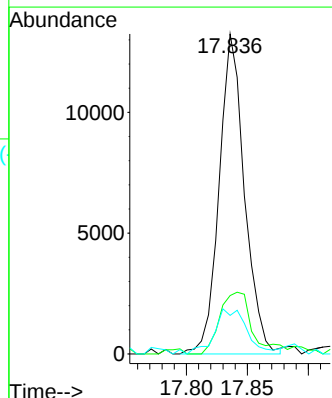
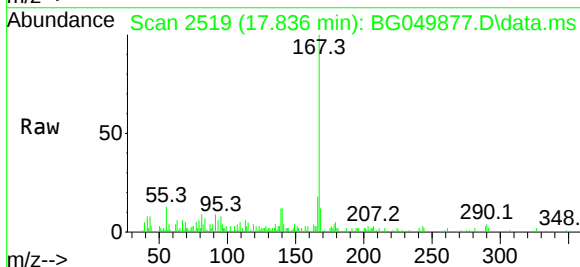
Instrument :
 BNA_G
 ClientSampleId :
 27NDL

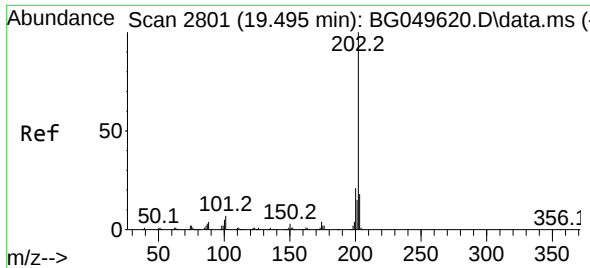
Tgt Ion:178 Resp: 76056
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 21.8
 179 15.0 13.4 20.0



#73
 Carbazole
 Concen: 2.311 ng
 RT: 17.836 min Scan# 2519
 Delta R.T. -0.002 min
 Lab File: BG049877.D
 Acq: 17 Aug 2021 14:26

Tgt Ion:167 Resp: 19202
 Ion Ratio Lower Upper
 167 100
 166 18.3 17.4 26.2
 139 12.1 10.7 16.1

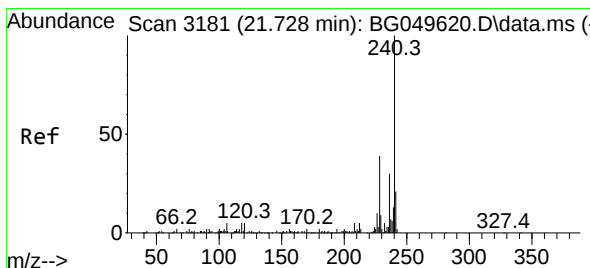
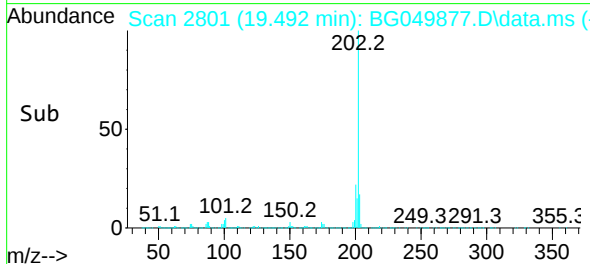
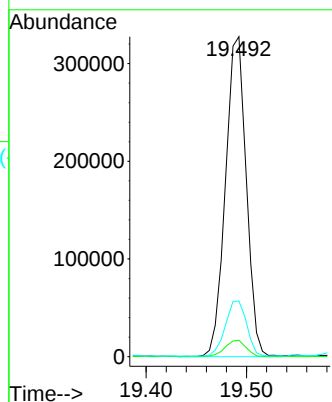
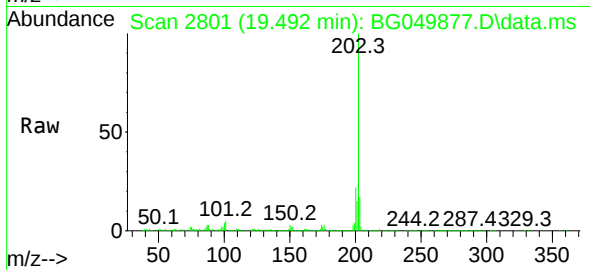




#75
Fluoranthene
Concen: 42.876 ng
RT: 19.492 min Scan# 2801
Delta R.T. 0.003 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

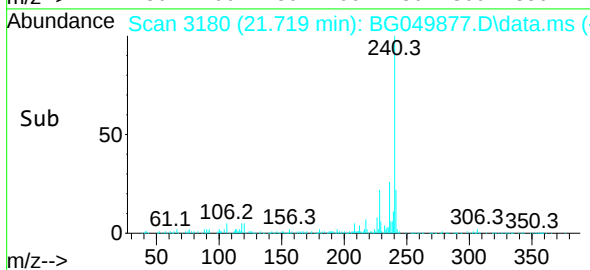
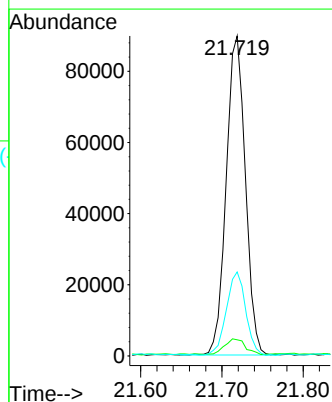
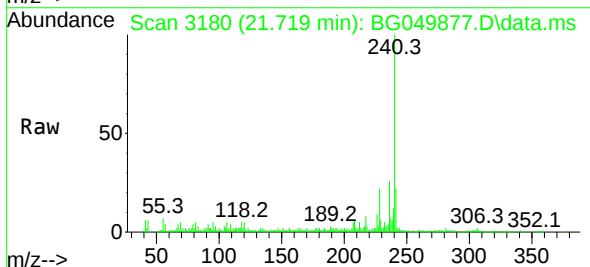
Instrument :
BNA_G
ClientSampleId :
27NDL

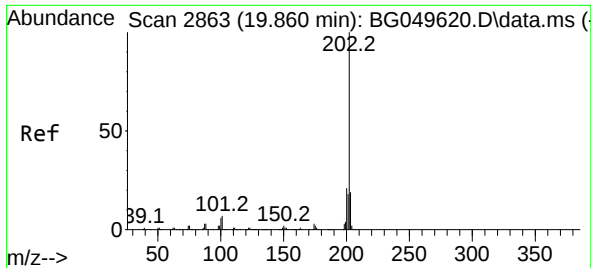
Tgt Ion:202 Resp: 471257
Ion Ratio Lower Upper
202 100
101 5.1 0.0 24.7
203 17.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3180
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:240 Resp: 147005
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 26.2 21.8 32.6

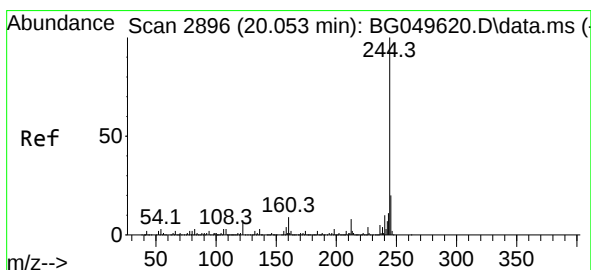
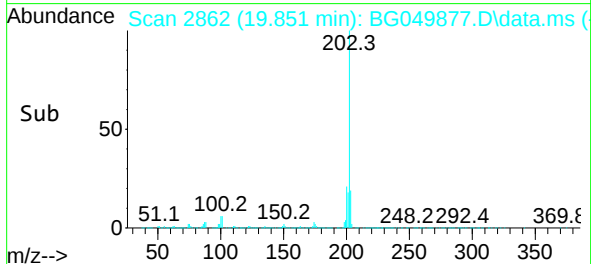
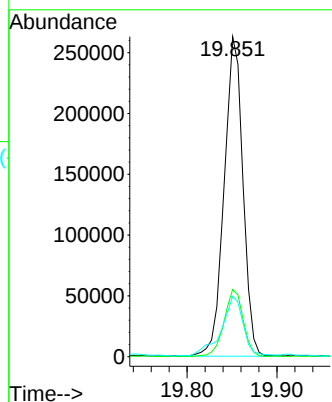
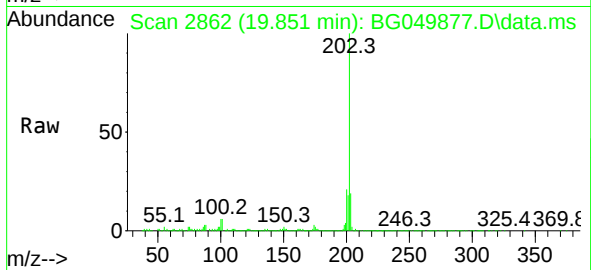




#78
 Pyrene
 Concen: 38.078 ng
 RT: 19.851 min Scan# 2862
 Delta R.T. -0.002 min
 Lab File: BG049877.D
 Acq: 17 Aug 2021 14:26

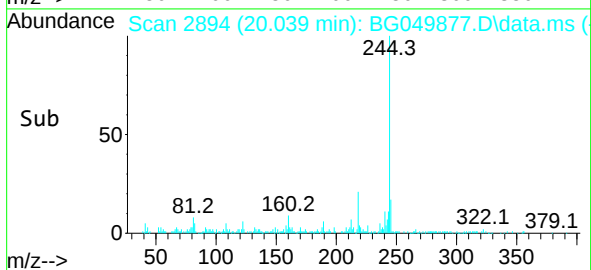
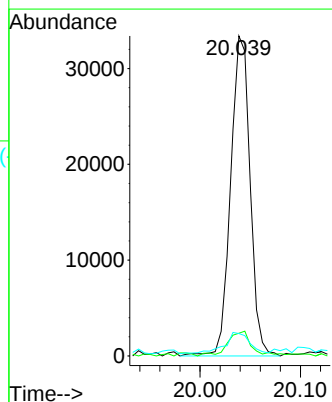
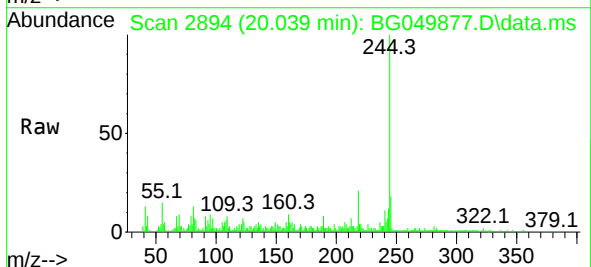
Instrument :
 BNA_G
 ClientSampleId :
 27NDL

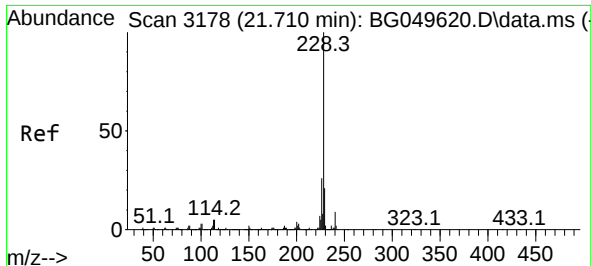
Tgt Ion:202 Resp: 381618
 Ion Ratio Lower Upper
 202 100
 200 21.0 15.8 23.8
 203 18.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 5.558 ng
 RT: 20.039 min Scan# 2894
 Delta R.T. -0.008 min
 Lab File: BG049877.D
 Acq: 17 Aug 2021 14:26

Tgt Ion:244 Resp: 44988
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.9 10.3
 122 7.0 5.0 7.6

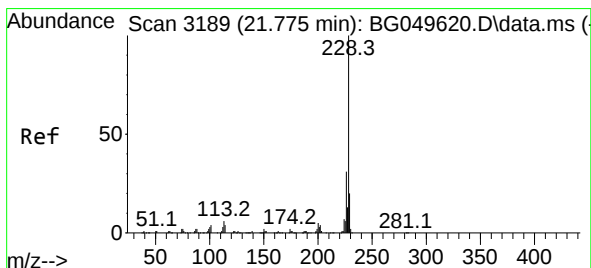
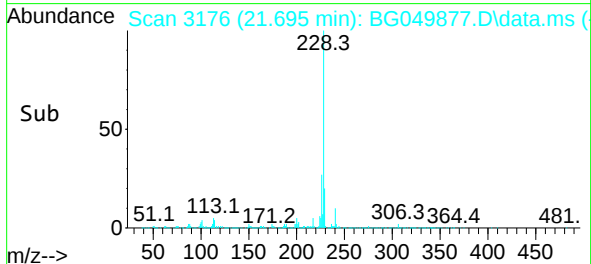
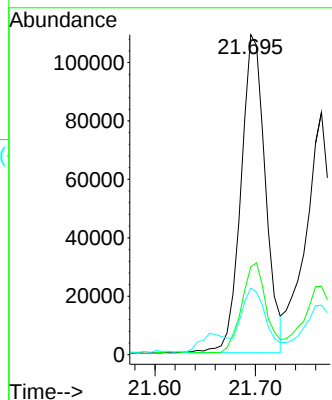
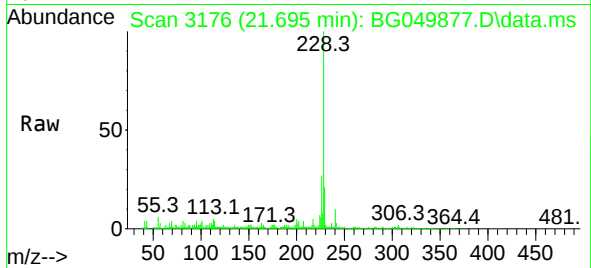




#81
Benzo(a)anthracene
Concen: 19.258 ng
RT: 21.695 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

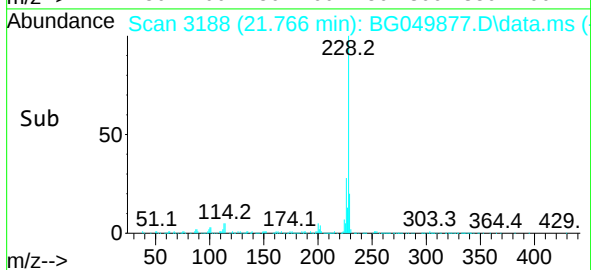
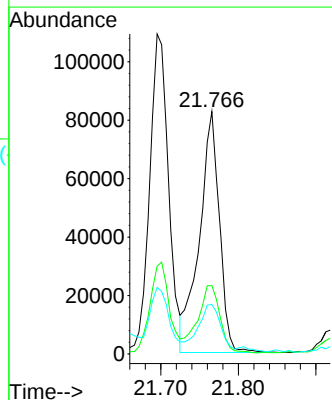
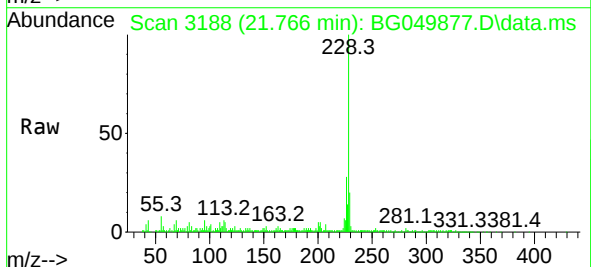
Instrument :
BNA_G
ClientSampled :
27NDL

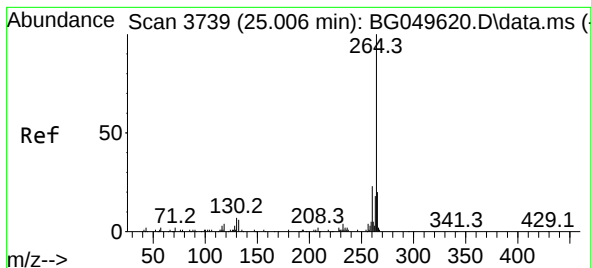
Tgt Ion:228 Resp: 184371
Ion Ratio Lower Upper
228 100
226 27.4 22.7 34.1
229 20.8 16.0 24.0



#83
Chrysene
Concen: 16.220 ng
RT: 21.766 min Scan# 3188
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:228 Resp: 148434
Ion Ratio Lower Upper
228 100
226 28.2 23.1 34.7
229 20.4 15.3 22.9



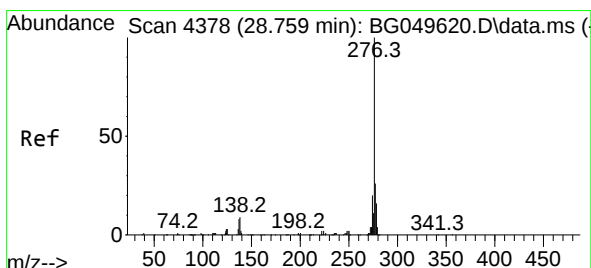
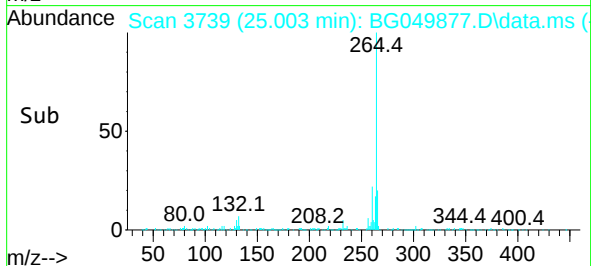
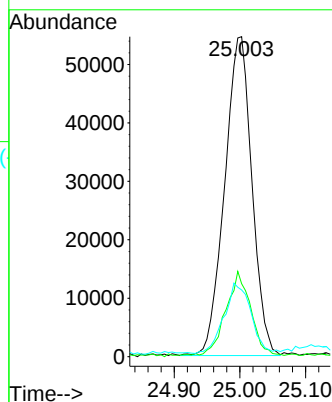
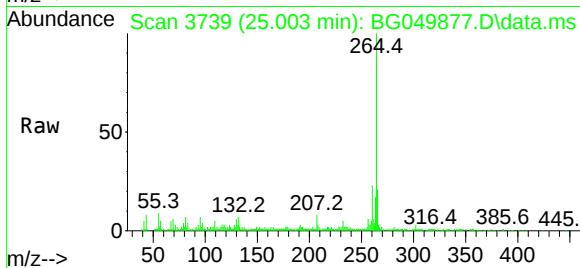


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.003 min Scan# 3739
Delta R.T. 0.015 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Instrument :
BNA_G
ClientSampled :
27NDL

Tgt Ion:264 Resp: 157693

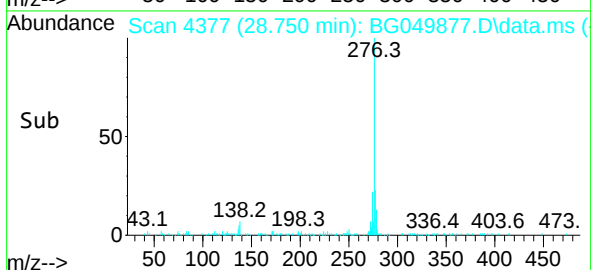
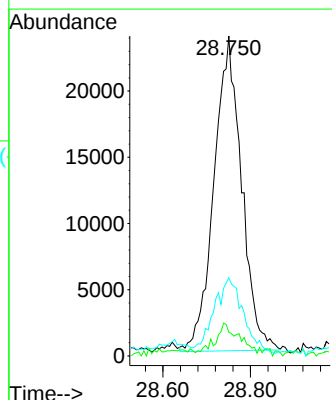
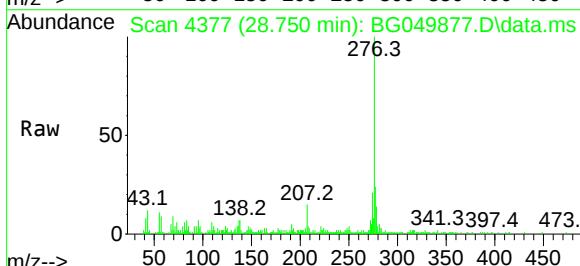
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	20.9	16.9	25.3

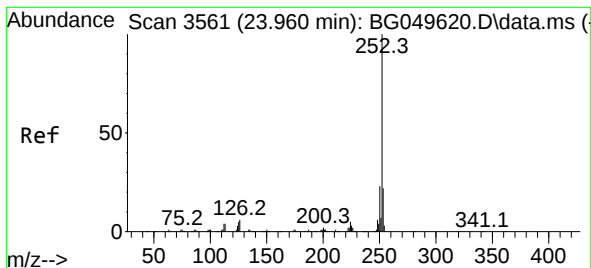


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.122 ng
RT: 28.750 min Scan# 4377
Delta R.T. 0.015 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:276 Resp: 103744

Ion	Ratio	Lower	Upper
276	100		
138	8.3	5.1	7.7#
277	25.6	19.8	29.6





#88

Benzo(b)fluoranthene

Concen: 18.355 ng

RT: 23.951 min Scan# 3560

Delta R.T. -0.002 min

Lab File: BG049877.D

Acq: 17 Aug 2021 14:26

Tgt Ion:252 Resp: 189830

Ion Ratio Lower Upper

252 100

253 22.9 16.2 24.4

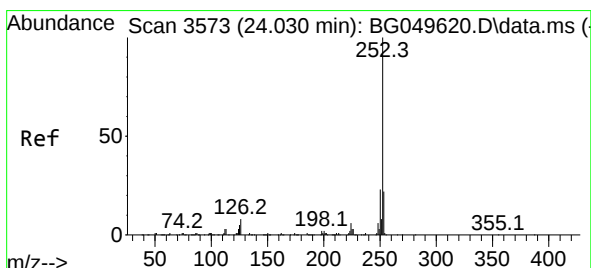
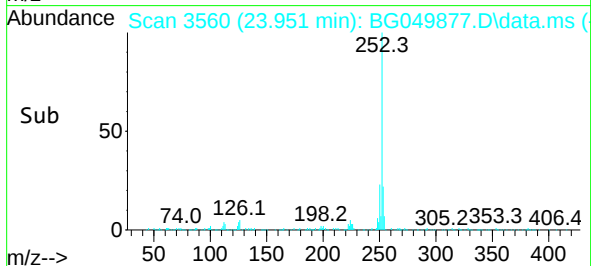
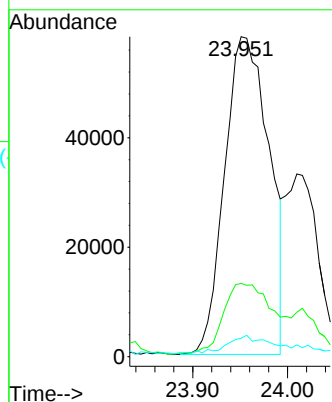
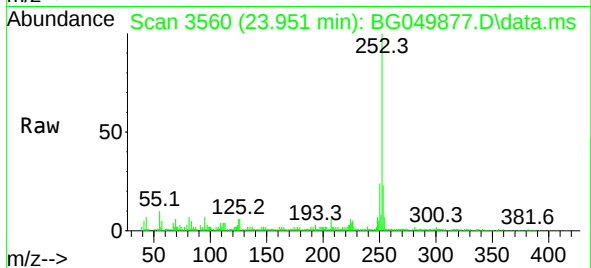
125 5.7 3.0 4.4#

Instrument :

BNA_G

ClientSampleId :

27NDL



#89

Benzo(k)fluoranthene

Concen: 19.678 ng

RT: 23.951 min Scan# 3560

Delta R.T. -0.067 min

Lab File: BG049877.D

Acq: 17 Aug 2021 14:26

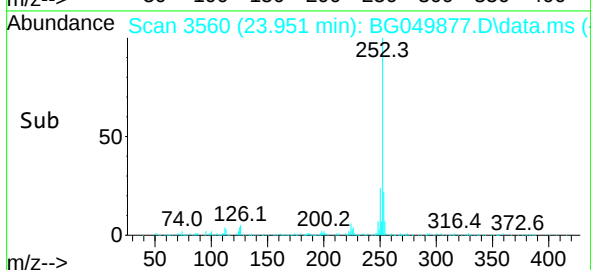
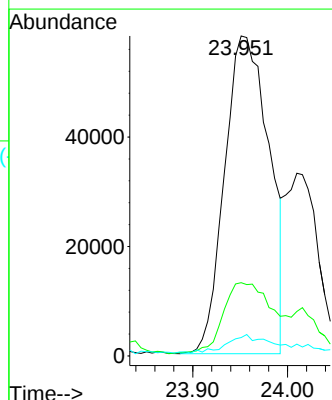
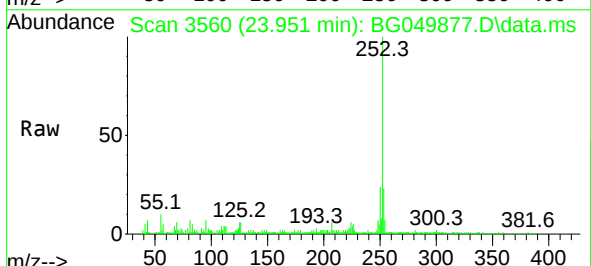
Tgt Ion:252 Resp: 189830

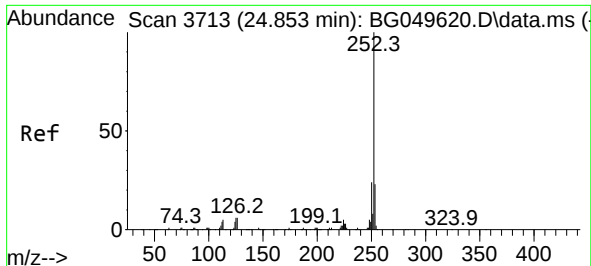
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 5.7 3.1 4.7#

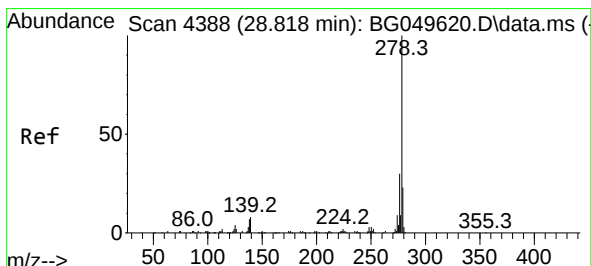
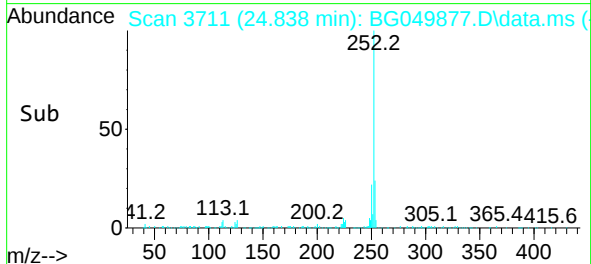
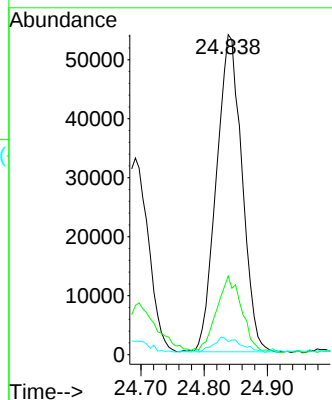
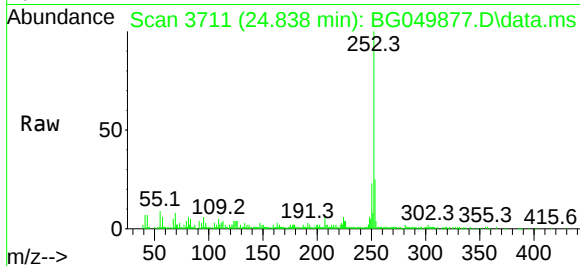




#90
Benzo(a)pyrene
Concen: 16.132 ng
RT: 24.838 min Scan# 3711
Delta R.T. -0.002 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

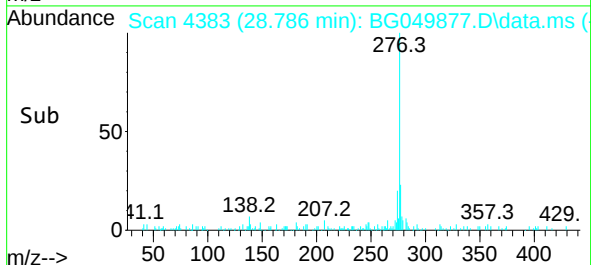
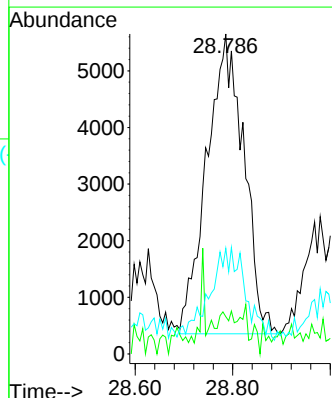
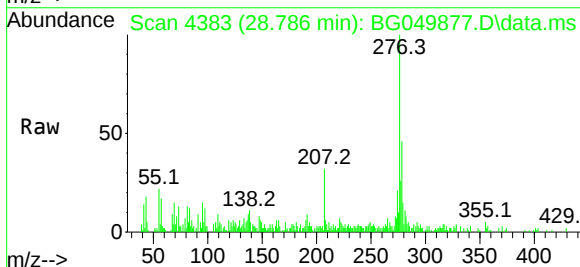
Instrument :
BNA_G
ClientSampleId :
27NDL

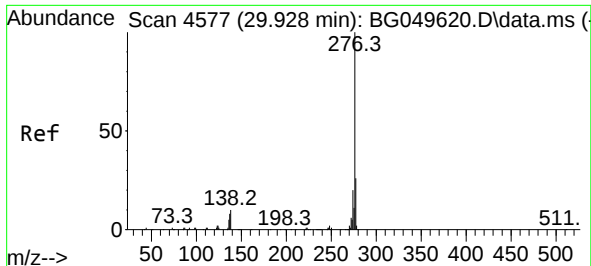
Tgt Ion:252 Resp: 150986
Ion Ratio Lower Upper
252 100
253 24.6 16.6 25.0
125 4.1 3.5 5.3



#91
Dibenzo(a,h)anthracene
Concen: 2.907 ng
RT: 28.786 min Scan# 4383
Delta R.T. -0.014 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Tgt Ion:278 Resp: 27856
Ion Ratio Lower Upper
278 100
139 11.6 4.6 6.8#
279 33.0 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 10.668 ng
RT: 29.925 min Scan# 4577
Delta R.T. 0.009 min
Lab File: BG049877.D
Acq: 17 Aug 2021 14:26

Instrument :
BNA_G
ClientSampleId :
27NDL

Tgt Ion:276 Resp: 100161
Ion Ratio Lower Upper
276 100
277 23.5 18.4 27.6
138 9.6 7.0 10.6

