

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049878.D
 Acq On : 17 Aug 2021 15:06
 Operator : CG/JU
 Sample : M3407-20DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 28NDL

Quant Time: Aug 17 16:08:21 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)

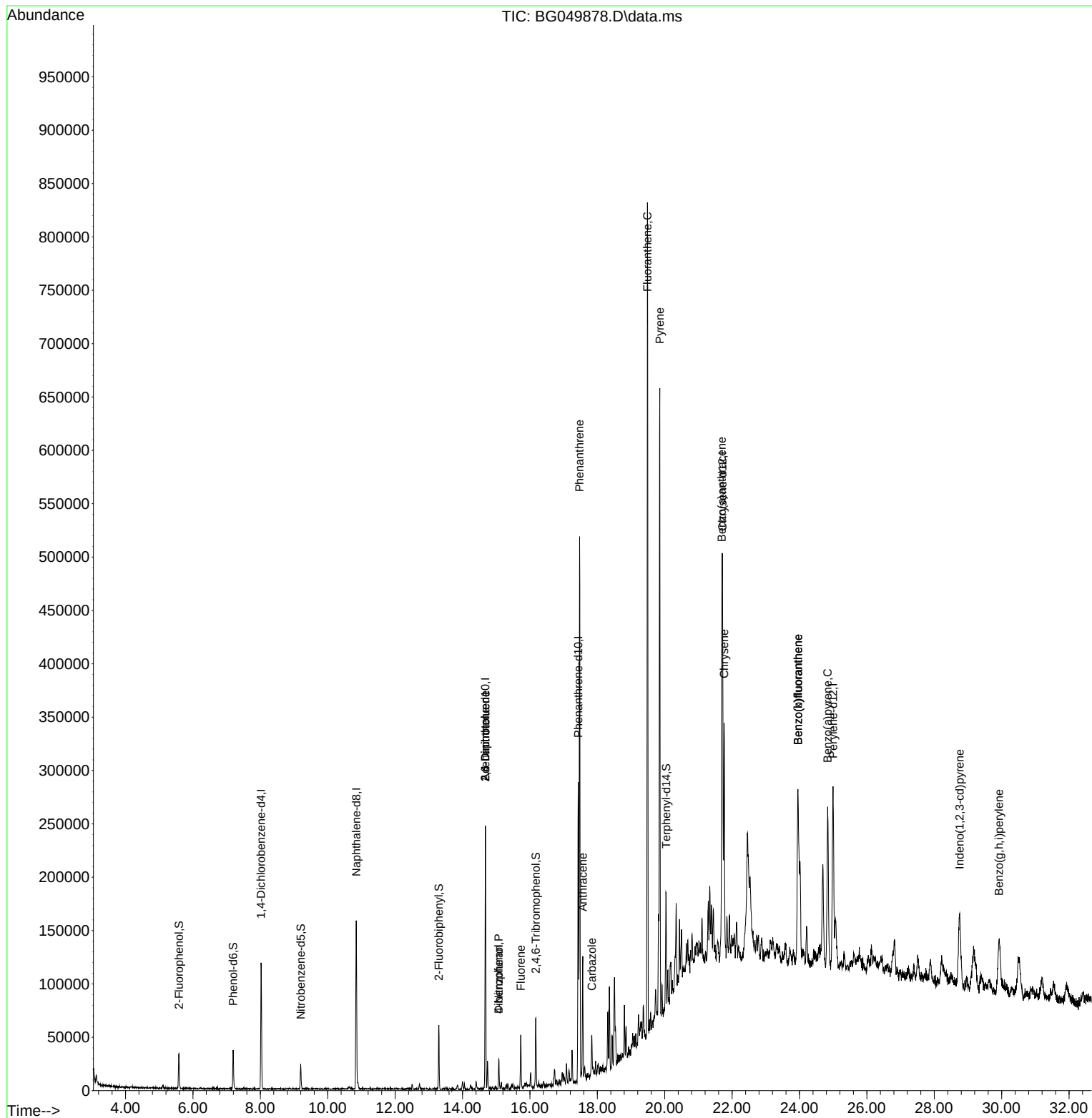
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	32848	20.000	ng	0.00
21) Naphthalene-d8	10.848	136	135058	20.000	ng	0.00
39) Acenaphthene-d10	14.678	164	88547	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	175210	20.000	ng	# 0.00
76) Chrysene-d12	21.715	240	155933	20.000	ng	# 0.00
86) Perylene-d12	24.999	264	164596	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	14452	7.887	ng	0.00
7) Phenol-d6	7.194	99	20708	7.466	ng	0.00
23) Nitrobenzene-d5	9.197	82	15170	4.970	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	10024	7.702	ng	0.00
45) 2-Fluorobiphenyl	13.297	172	30957	5.087	ng	0.00
79) Terphenyl-d14	20.041	244	43509	5.068	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.678	165	12512	8.506	ng	# 12
55) Dibenzofuran	15.077	168	15667	2.008	ng	90
56) 4-Nitrophenol	15.077	139	6574	6.273	ng	# 1
57) 2,4-Dinitrotoluene	14.678	165	12512	6.056	ng	# 17
58) Fluorene	15.729	166	20447	3.224	ng	# 99
71) Phenanthrene	17.474	178	310614	33.696	ng	98
72) Anthracene	17.568	178	72288	7.985	ng	96
73) Carbazole	17.838	167	22298	2.601	ng	# 91
75) Fluoranthene	19.489	202	487880	43.011	ng	98
78) Pyrene	19.853	202	391001	36.780	ng	98
81) Benzo(a)anthracene	21.698	228	200354	19.730	ng	98
83) Chrysene	21.762	228	159500	16.431	ng	97
87) Indeno(1,2,3-cd)pyrene	28.753	276	116972	9.854	ng	# 60
88) Benzo(b)fluoranthene	23.954	252	231110	21.409	ng	# 92
89) Benzo(k)fluoranthene	23.954	252	231110	22.952	ng	# 96
90) Benzo(a)pyrene	24.835	252	166858	17.080	ng	# 97
92) Benzo(g,h,i)perylene	29.922	276	111602	11.388	ng	98

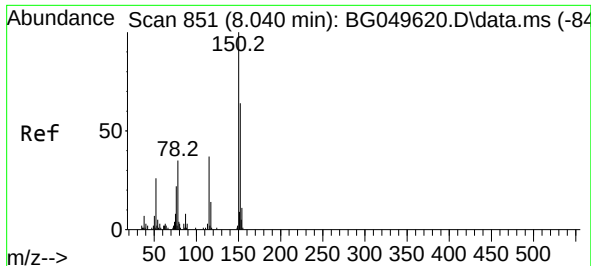
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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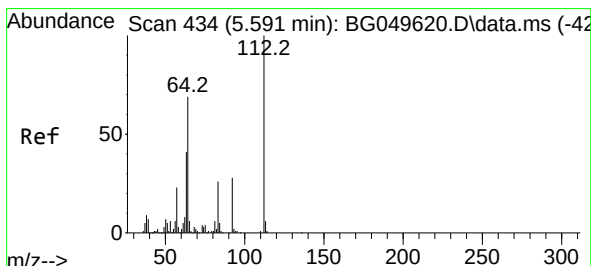
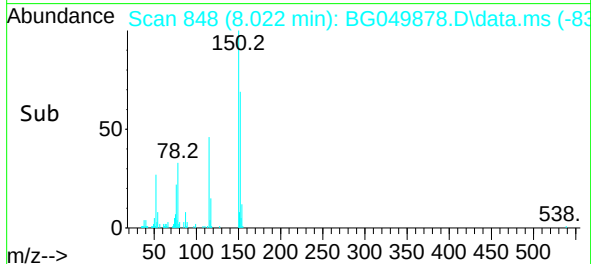
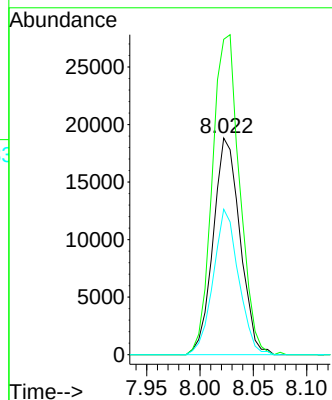
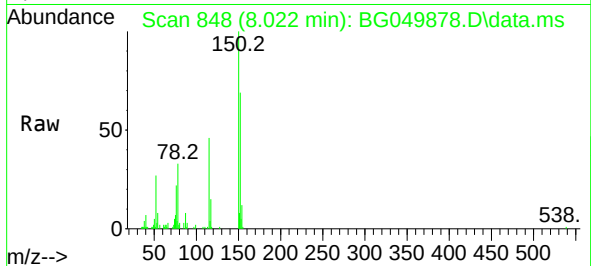




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.022 min Scan# 848
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

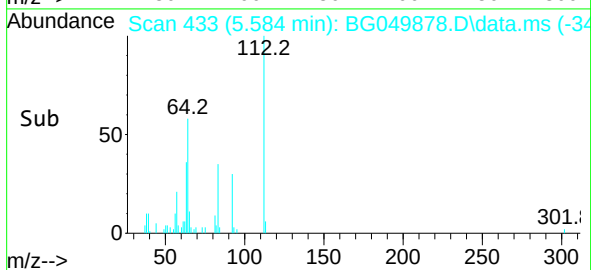
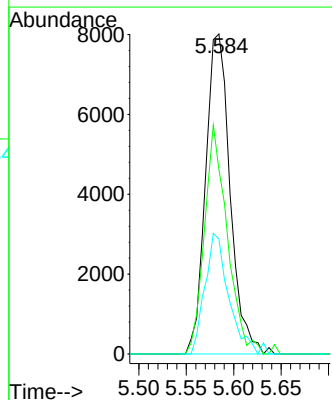
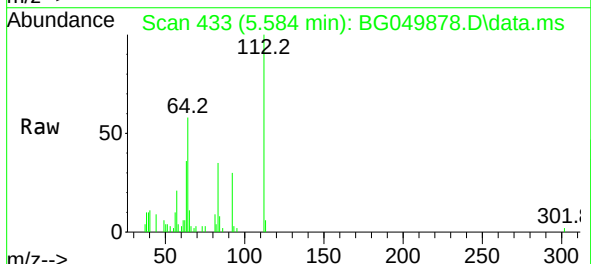
Instrument :
BNA_G
ClientSampleId :
28NDL

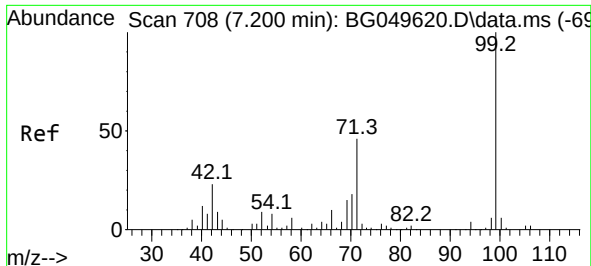
Tgt Ion:152 Resp: 32848
Ion Ratio Lower Upper
152 100
150 145.6 119.4 179.0
115 67.1 60.2 90.4



#5
2-Fluorophenol
Concen: 7.887 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:112 Resp: 14452
Ion Ratio Lower Upper
112 100
64 57.7 46.7 70.1
63 35.9 35.3 52.9

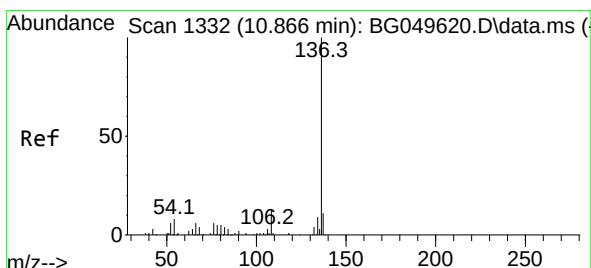
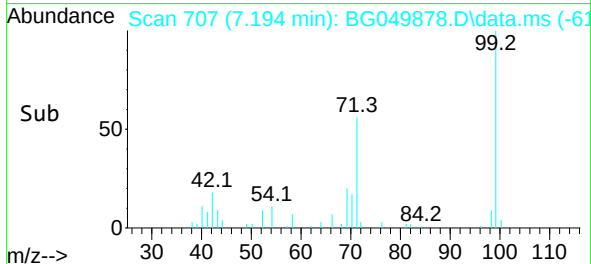
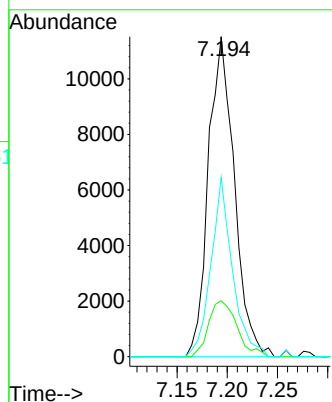
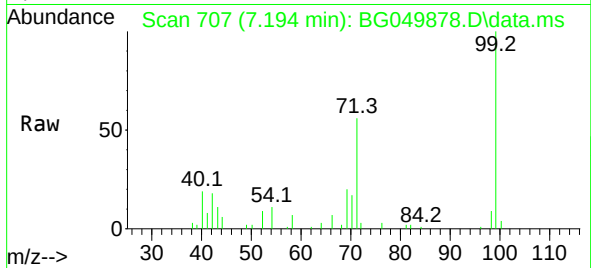




#7
Phenol-d6
Concen: 7.466 ng
RT: 7.194 min Scan# 707
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

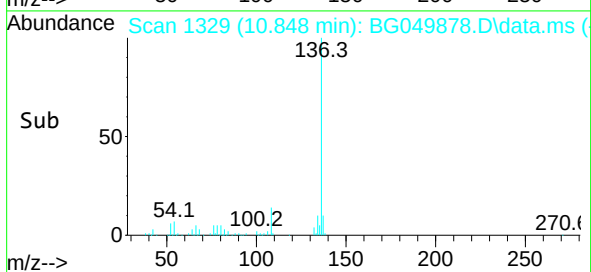
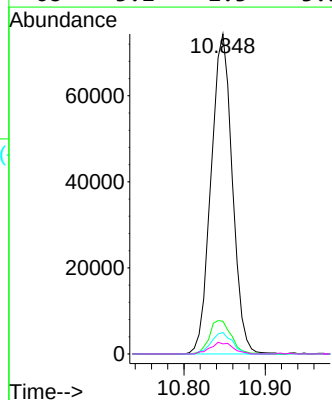
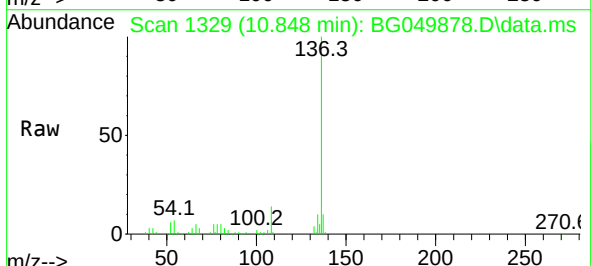
Instrument :
BNA_G
ClientSampled :
28NDL

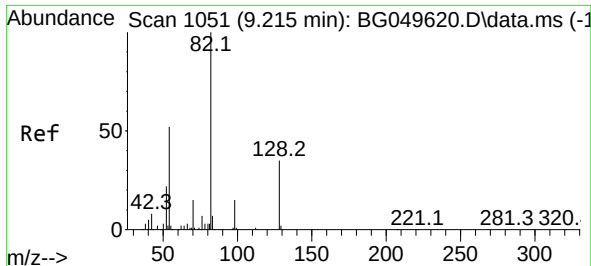
Tgt Ion: 99 Resp: 20708
Ion Ratio Lower Upper
99 100
42 17.5 20.5 30.7#
71 56.0 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.848 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:136 Resp: 135058
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.2
54 6.7 5.5 8.3
68 3.2 2.3 3.5

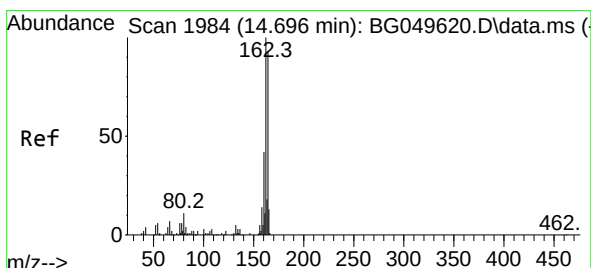
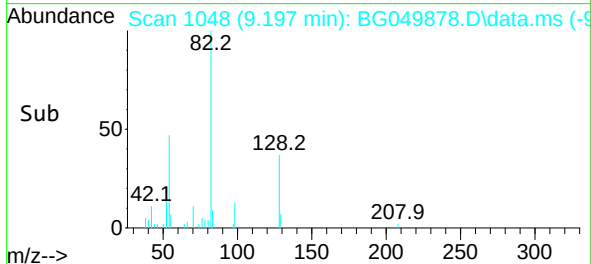
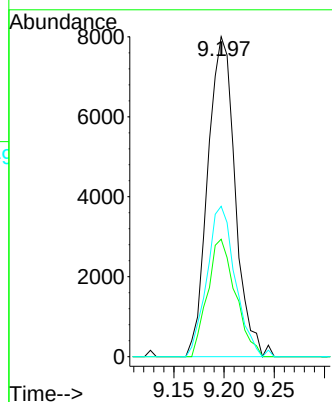
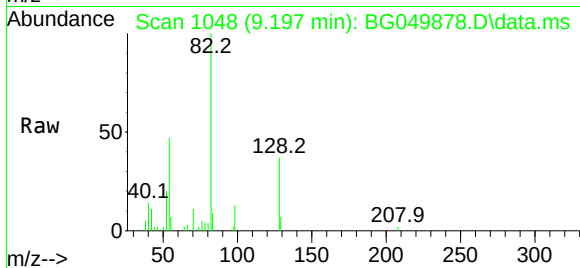




#23
Nitrobenzene-d5
Concen: 4.970 ng
RT: 9.197 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

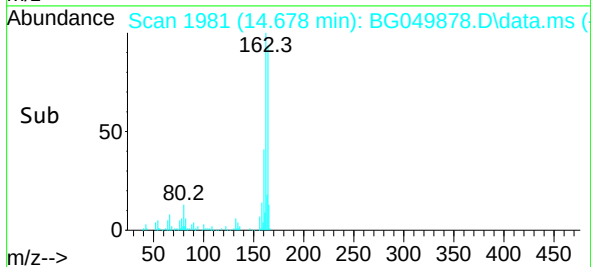
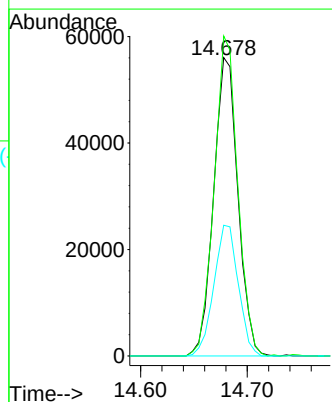
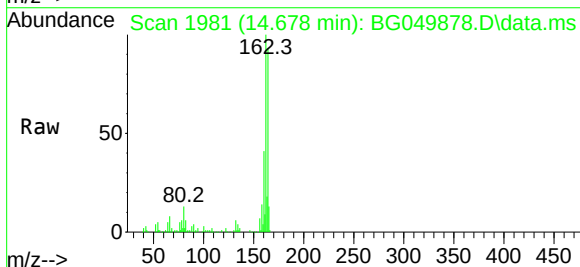
Instrument :
BNA_G
ClientSampleId :
28NDL

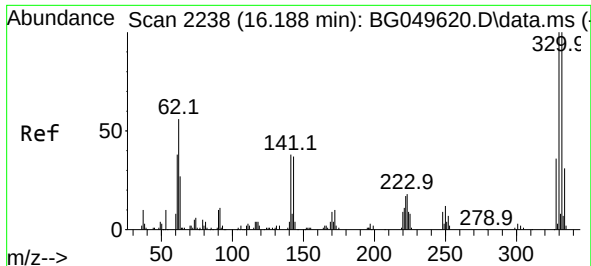
Tgt Ion: 82 Resp: 15170
Ion Ratio Lower Upper
82 100
128 36.7 29.8 44.6
54 47.0 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.678 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:164 Resp: 88547
Ion Ratio Lower Upper
164 100
162 107.2 81.4 122.0
160 43.8 34.9 52.3

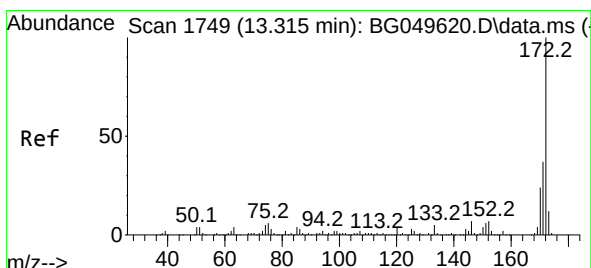
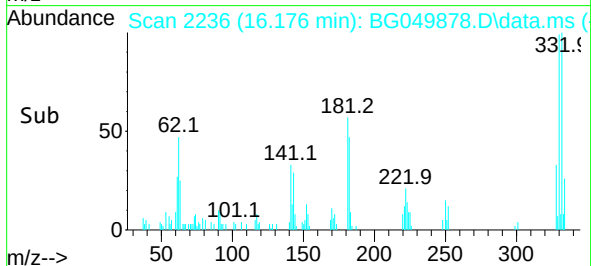
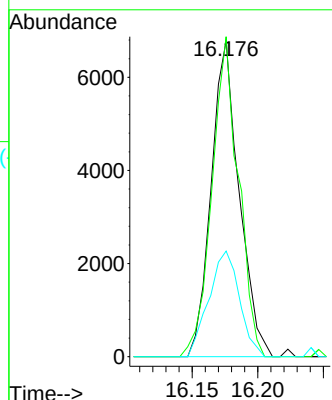
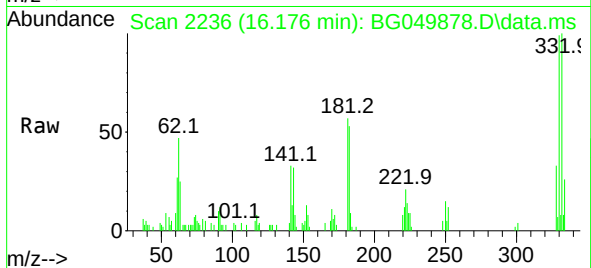




#42
 2,4,6-Tribromophenol
 Concen: 7.702 ng
 RT: 16.176 min Scan# 2236
 Delta R.T. 0.000 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06

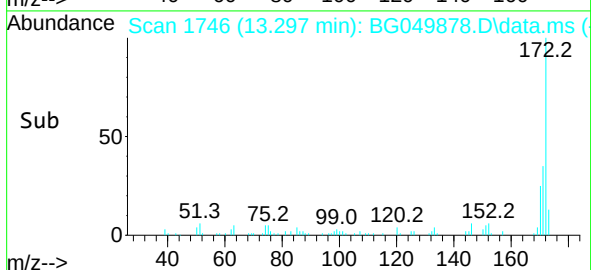
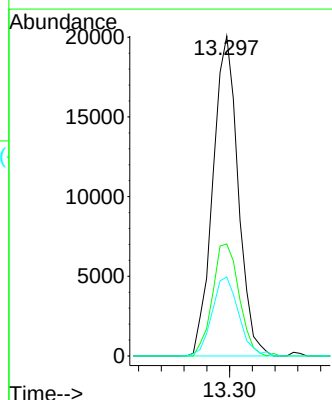
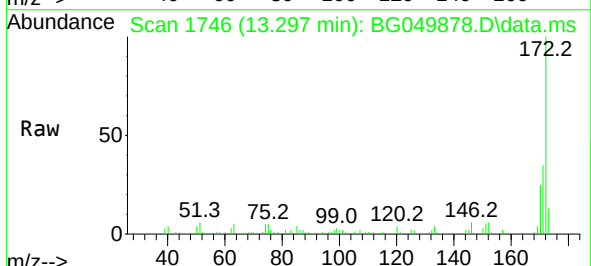
Instrument :
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 ClientSampled :
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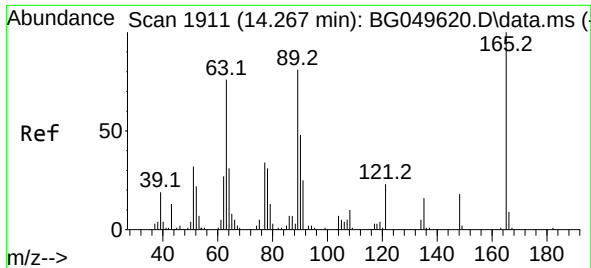
Tgt Ion:330 Resp: 10024
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.3 115.9
 141 36.7 35.6 53.4



#45
 2-Fluorobiphenyl
 Concen: 5.087 ng
 RT: 13.297 min Scan# 1746
 Delta R.T. -0.006 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06

Tgt Ion:172 Resp: 30957
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 24.7 18.6 27.8

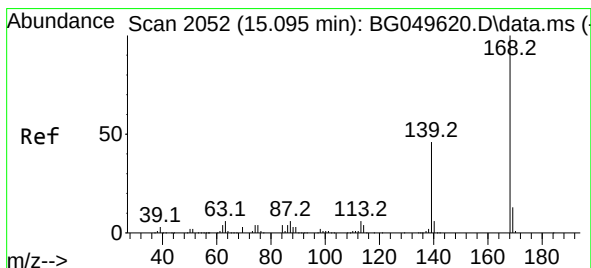
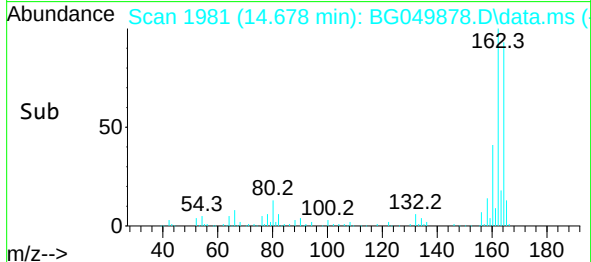
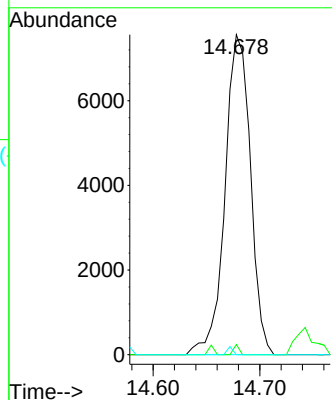
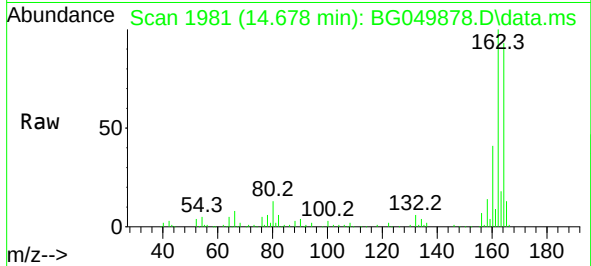




#51
2,6-Dinitrotoluene
Concen: 8.506 ng
RT: 14.678 min Scan# 1981
Delta R.T. 0.423 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

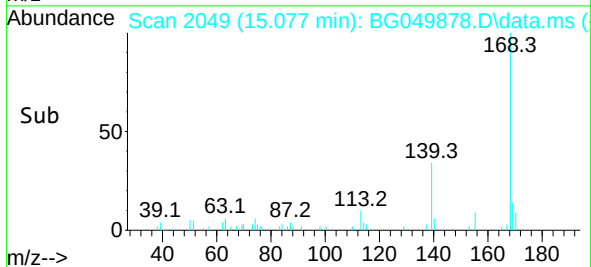
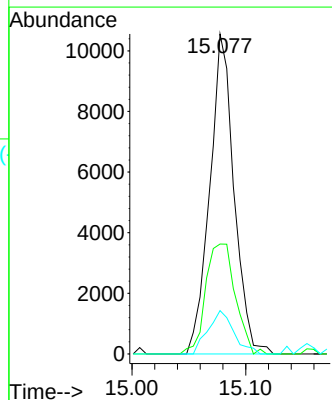
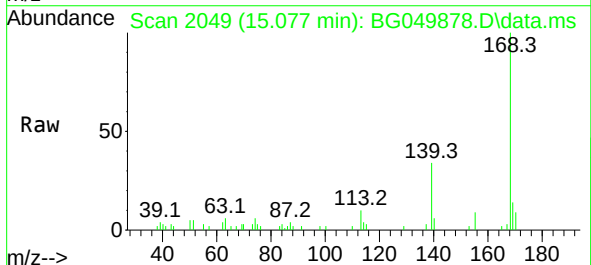
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BNA_G
ClientSampleId :
28NDL

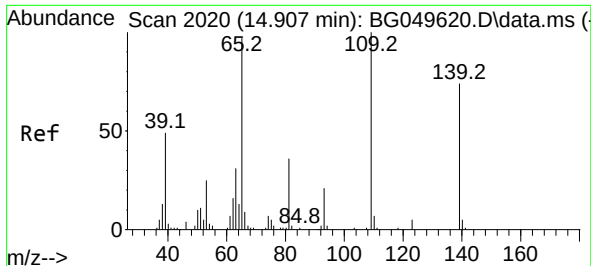
Tgt Ion:165 Resp: 12512
Ion Ratio Lower Upper
165 100
63 3.2 63.3 94.9#
89 0.0 63.4 95.0#



#55
Dibenzofuran
Concen: 2.008 ng
RT: 15.077 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:168 Resp: 15667
Ion Ratio Lower Upper
168 100
139 34.3 33.4 50.2
169 13.6 12.3 18.5

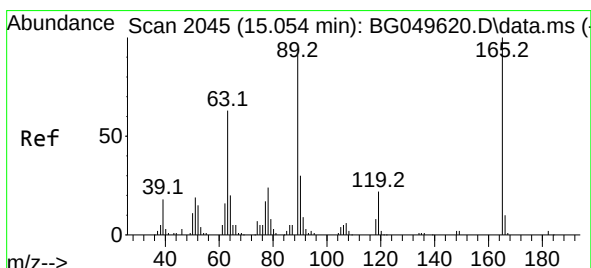
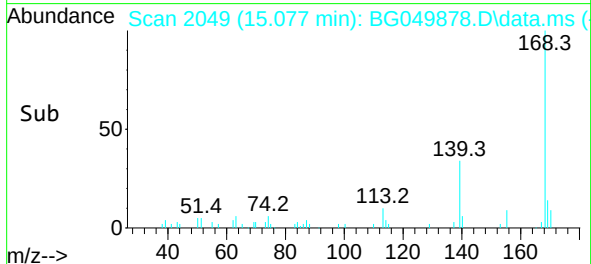
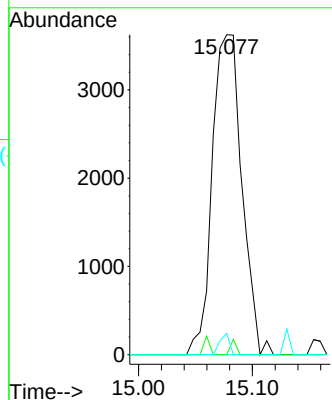
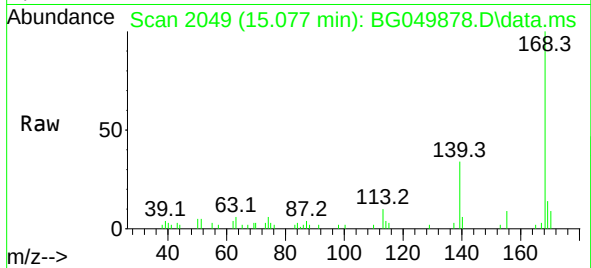




#56
4-Nitrophenol
Concen: 6.273 ng
RT: 15.077 min Scan# 2049
Delta R.T. 0.165 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

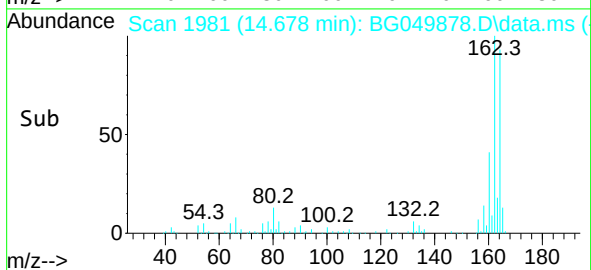
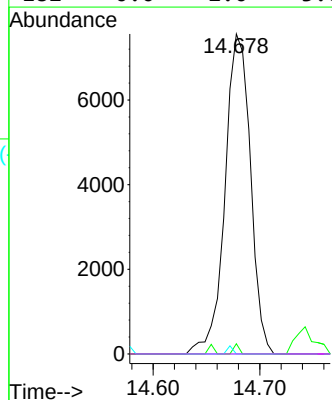
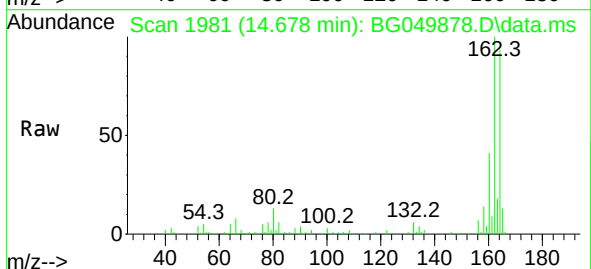
Instrument :
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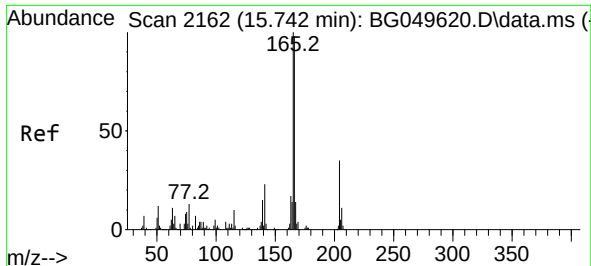
Tgt Ion:139 Resp: 6574
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 6.6 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 6.056 ng
RT: 14.678 min Scan# 1981
Delta R.T. -0.370 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:165 Resp: 12512
Ion Ratio Lower Upper
165 100
63 3.2 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

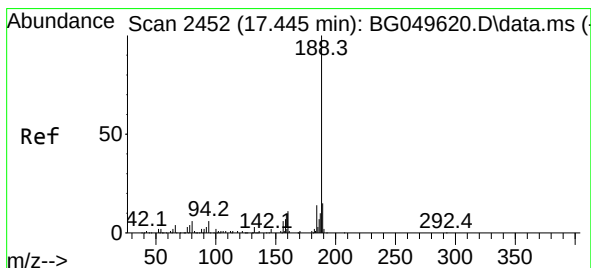
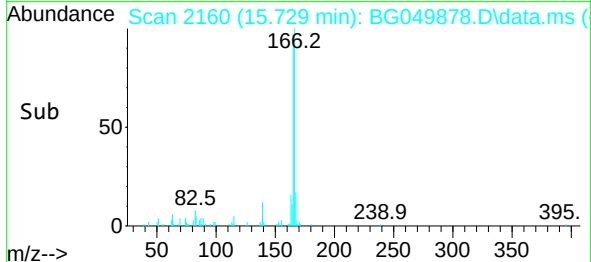
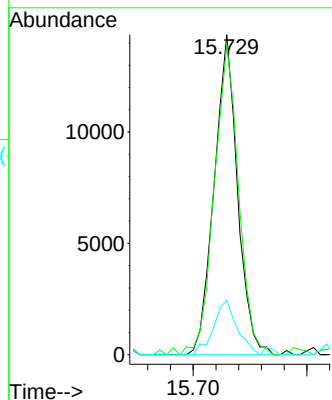
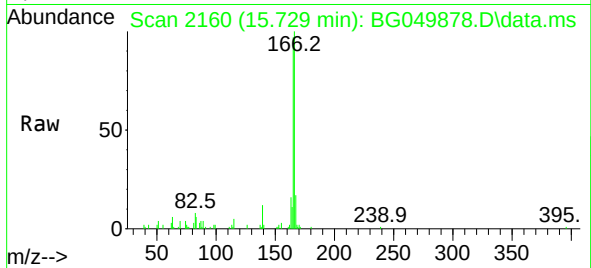




#58
Fluorene
Concen: 3.224 ng
RT: 15.729 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

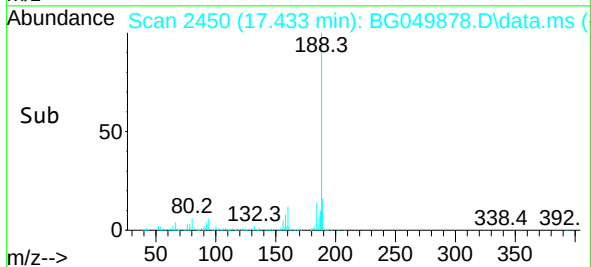
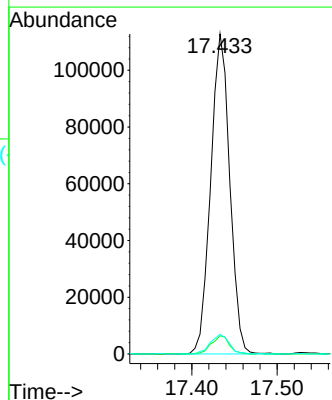
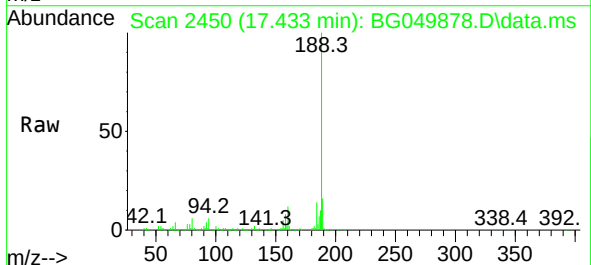
Instrument :
BNA_G
ClientSampleId :
28NDL

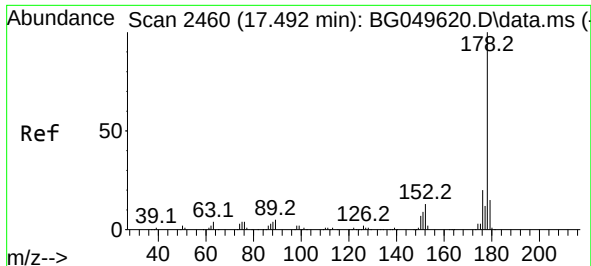
Tgt Ion:166 Resp: 20447
Ion Ratio Lower Upper
166 100
165 96.7 77.7 116.5
167 16.9 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:188 Resp: 175210
Ion Ratio Lower Upper
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94 5.7 5.4 8.0
80 6.1 3.7 5.5#

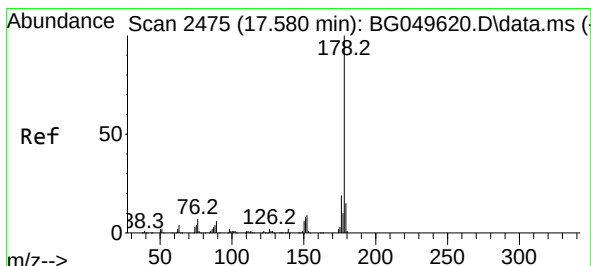
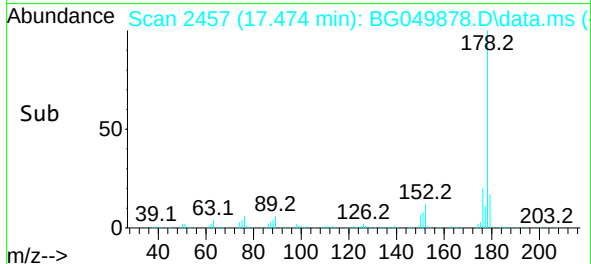
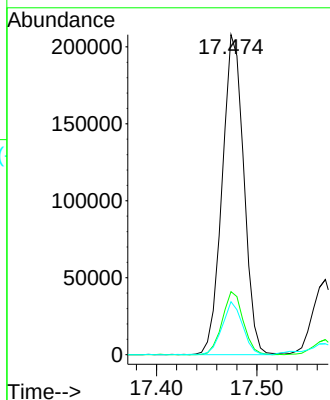
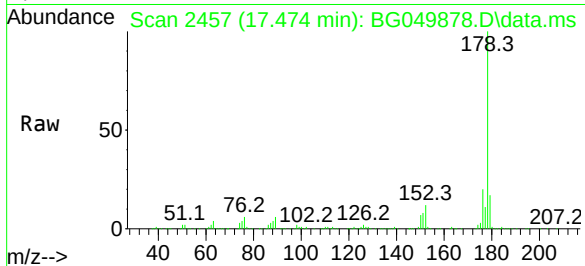




#71
Phenanthrene
Concen: 33.696 ng
RT: 17.474 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

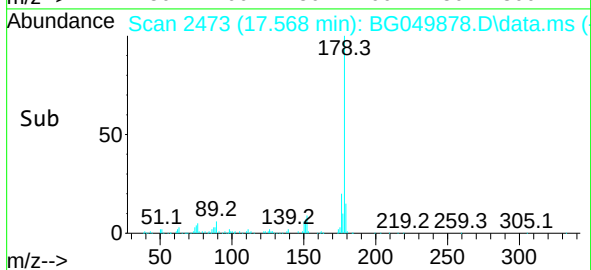
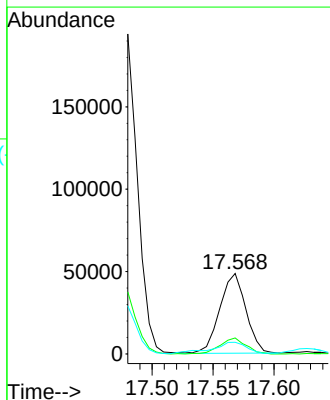
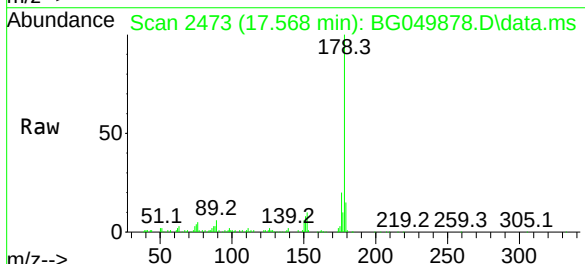
Instrument :
BNA_G
ClientSampleId :
28NDL

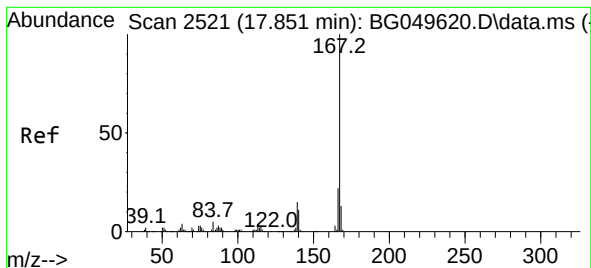
Tgt Ion:178 Resp: 310614
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.5 14.2 21.4



#72
Anthracene
Concen: 7.985 ng
RT: 17.568 min Scan# 2473
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:178 Resp: 72288
Ion Ratio Lower Upper
178 100
176 20.0 14.6 21.8
179 14.6 13.4 20.0

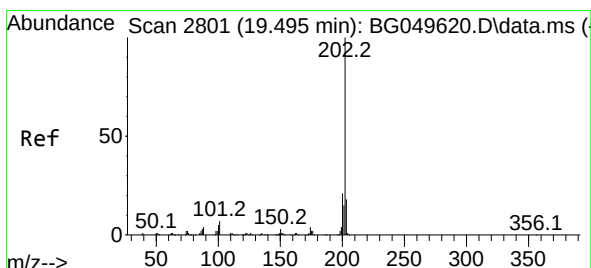
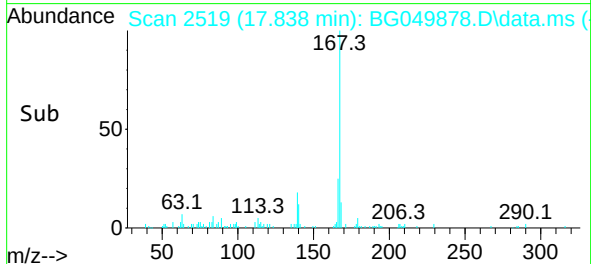
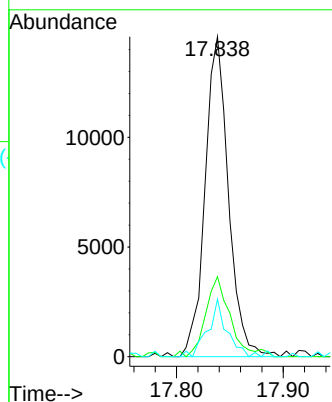
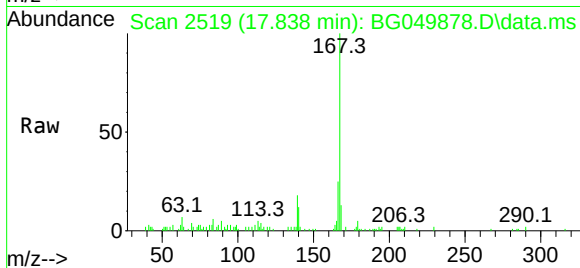




#73
 Carbazole
 Concen: 2.601 ng
 RT: 17.838 min Scan# 2519
 Delta R.T. 0.000 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06

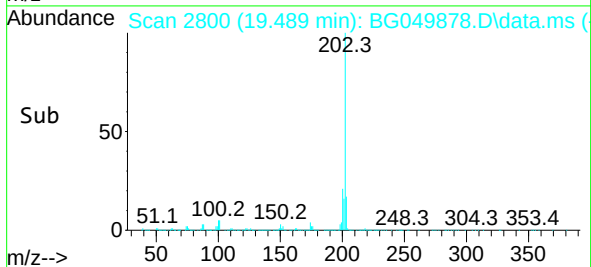
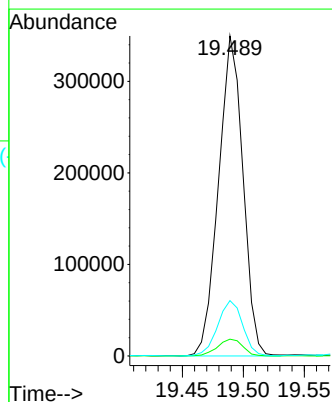
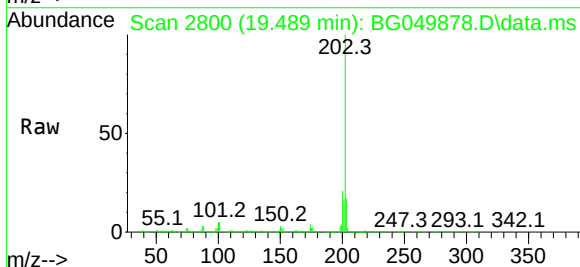
Instrument :
 BNA_G
 ClientSampled :
 28NDL

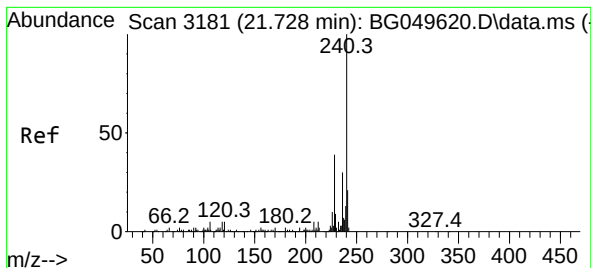
Tgt Ion:167 Resp: 22298
 Ion Ratio Lower Upper
 167 100
 166 25.0 17.4 26.2
 139 18.0 10.7 16.1#



#75
 Fluoranthene
 Concen: 43.011 ng
 RT: 19.489 min Scan# 2800
 Delta R.T. 0.000 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06

Tgt Ion:202 Resp: 487880
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 17.3 0.0 38.5

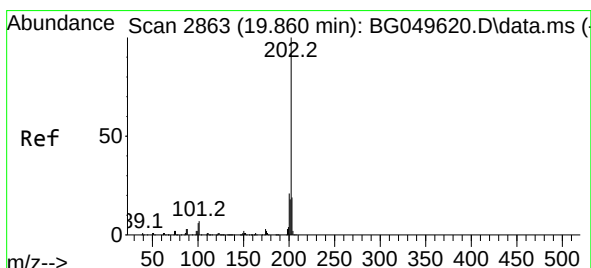
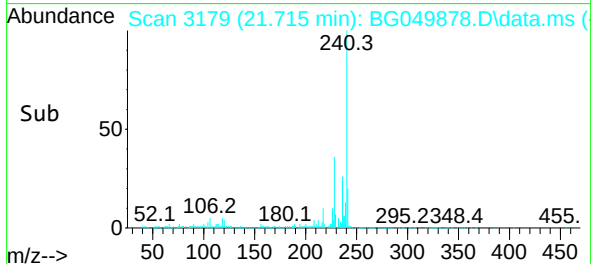
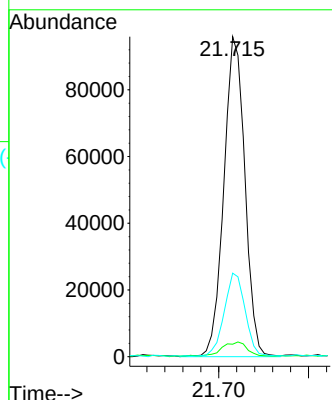
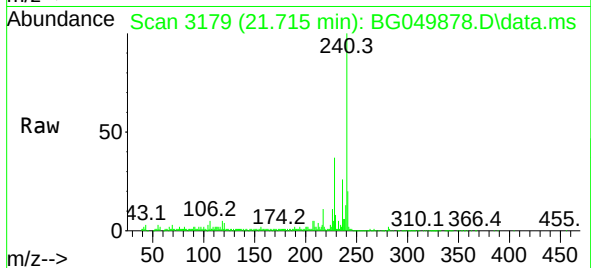




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

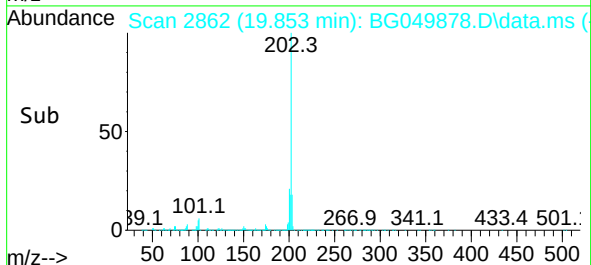
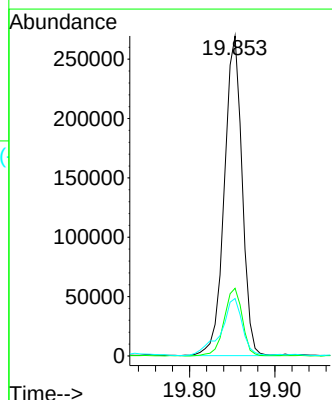
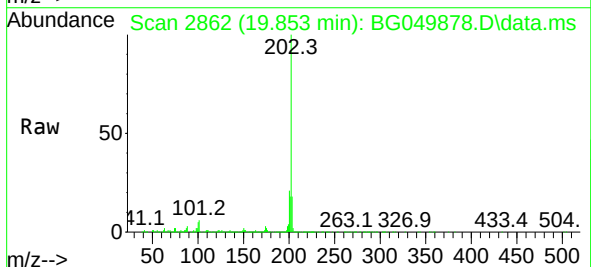
Instrument :
BNA_G
ClientSampleId :
28NDL

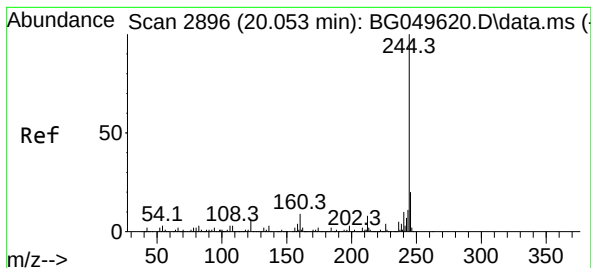
Tgt Ion:240 Resp: 155933
Ion Ratio Lower Upper
240 100
120 3.9 4.2 6.2#
236 26.1 21.8 32.6



#78
Pyrene
Concen: 36.780 ng
RT: 19.853 min Scan# 2862
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:202 Resp: 391001
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 5.068 ng

RT: 20.041 min Scan# 2894

Delta R.T. -0.006 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

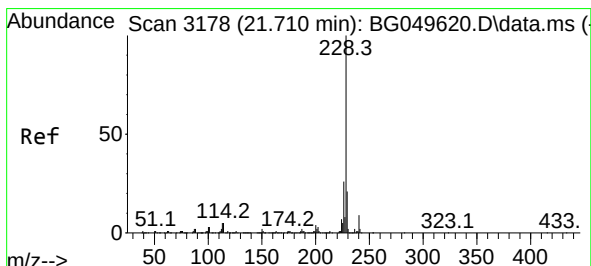
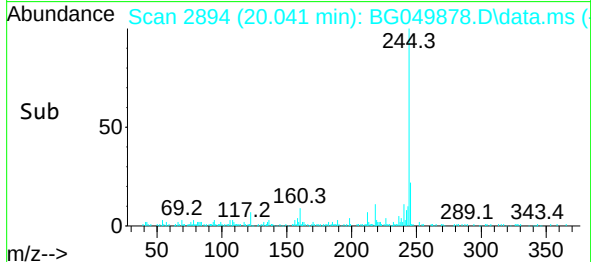
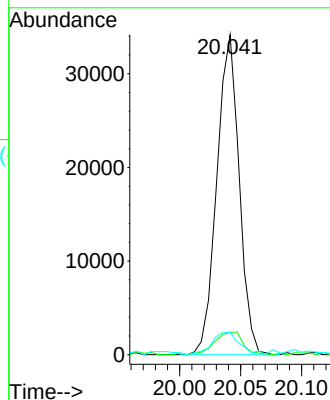
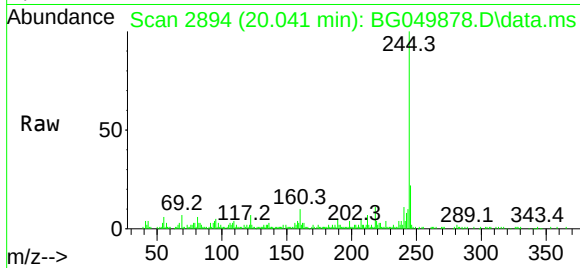
Tgt Ion:244 Resp: 43509

Ion Ratio Lower Upper

244 100

212 6.9 6.9 10.3

122 7.0 5.0 7.6



#81

Benzo(a)anthracene

Concen: 19.730 ng

RT: 21.698 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

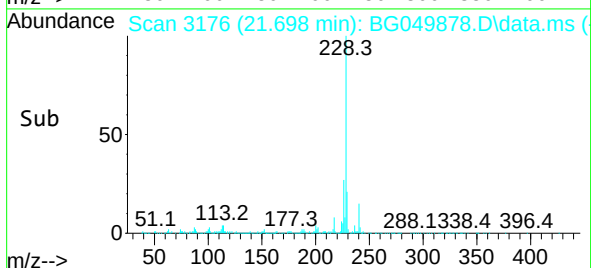
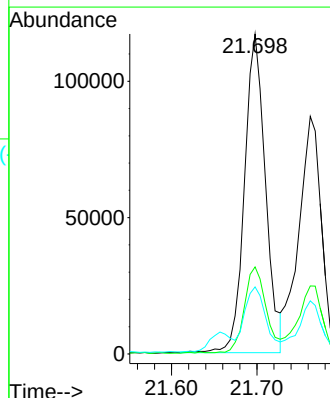
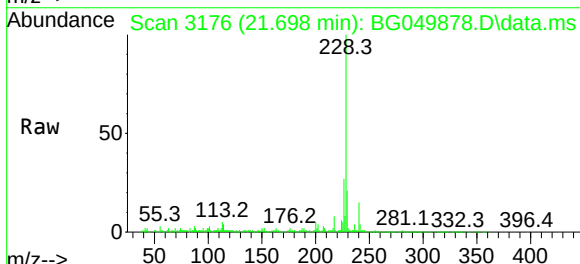
Tgt Ion:228 Resp: 200354

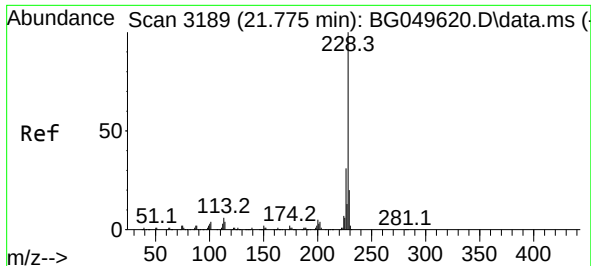
Ion Ratio Lower Upper

228 100

226 27.2 22.7 34.1

229 21.0 16.0 24.0

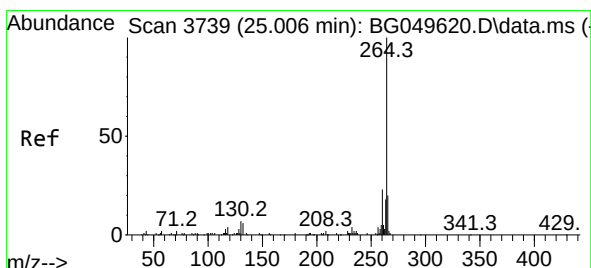
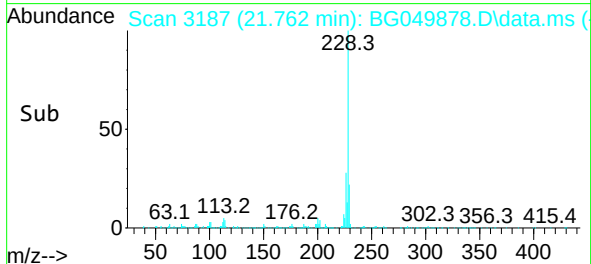
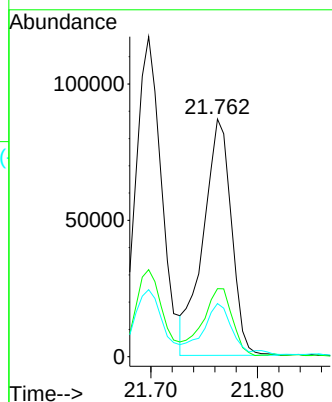
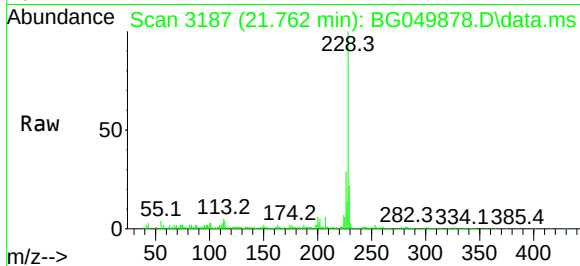




#83
Chrysene
Concen: 16.431 ng
RT: 21.762 min Scan# 3187
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

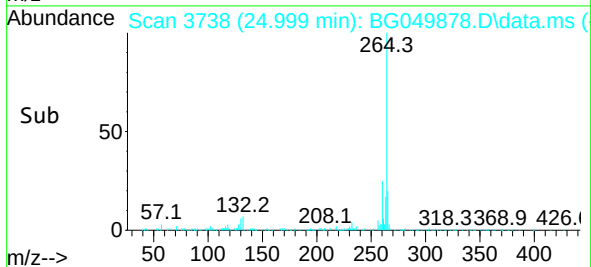
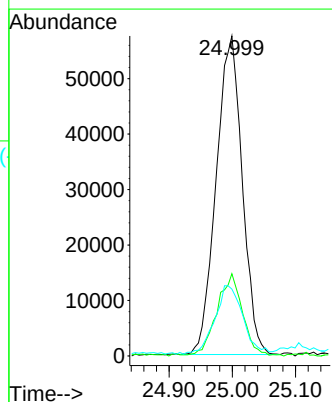
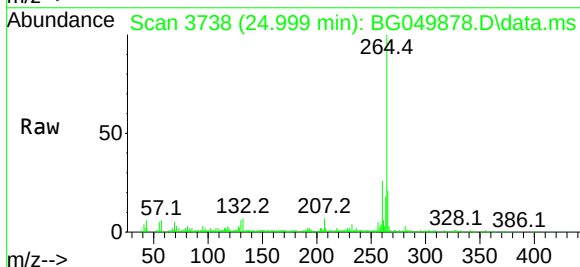
Instrument :
BNA_G
ClientSampleId :
28NDL

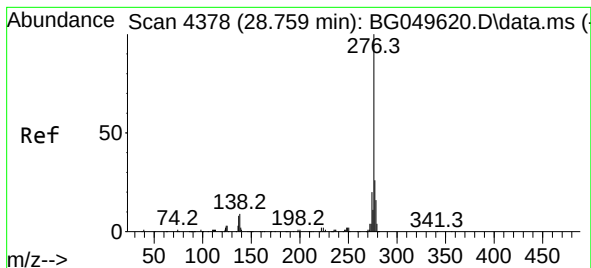
Tgt Ion:228	Resp: 159500
Ion Ratio	Lower Upper
228	100
226	28.6 23.1 34.7
229	22.3 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.999 min Scan# 3738
Delta R.T. 0.012 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:264	Resp: 164596
Ion Ratio	Lower Upper
264	100
260	25.7 19.4 29.2
265	20.9 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.854 ng

RT: 28.753 min Scan# 4377

Delta R.T. 0.018 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

Tgt Ion:276 Resp: 116972

Ion Ratio Lower Upper

276 100

138 4.7 5.1 7.7#

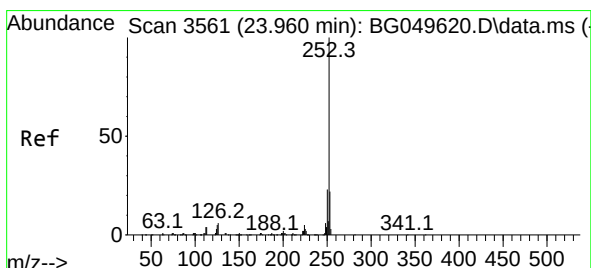
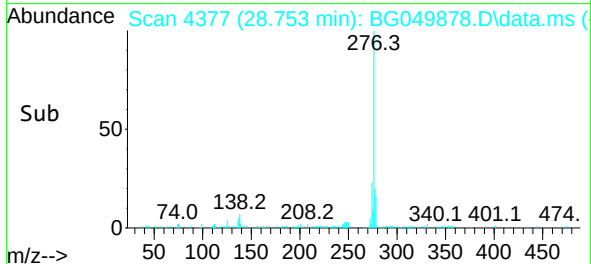
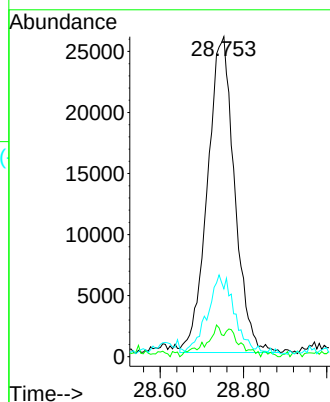
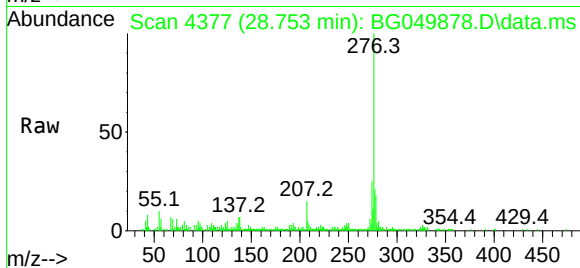
277 0.0 19.8 29.6#

Instrument :

BNA_G

ClientSampleId :

28NDL



#88

Benzo(b)fluoranthene

Concen: 21.409 ng

RT: 23.954 min Scan# 3560

Delta R.T. 0.000 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

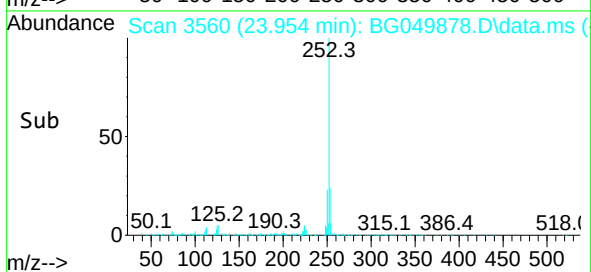
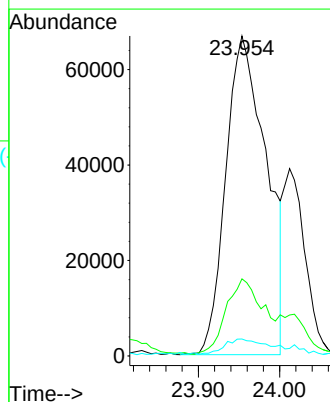
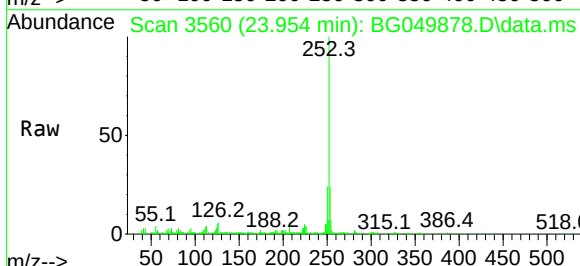
Tgt Ion:252 Resp: 231110

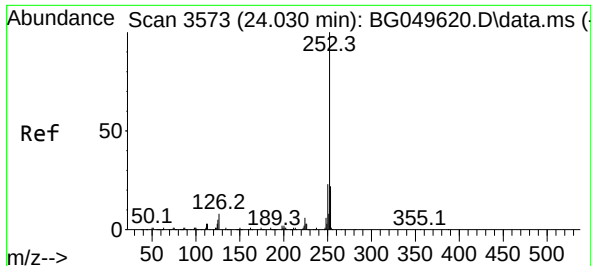
Ion Ratio Lower Upper

252 100

253 24.1 16.2 24.4

125 5.3 3.0 4.4#

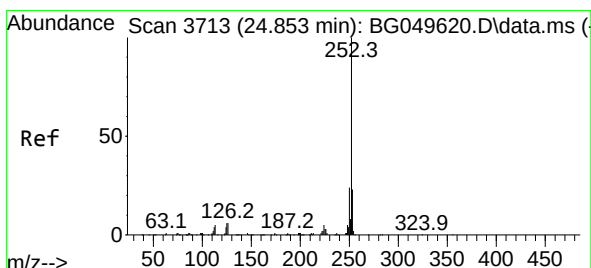
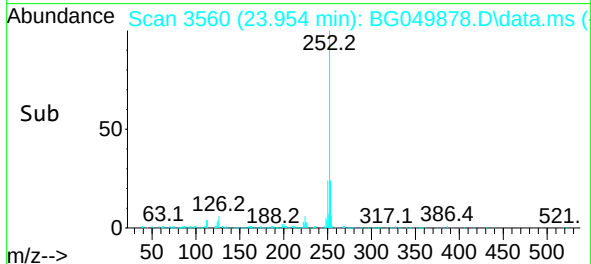
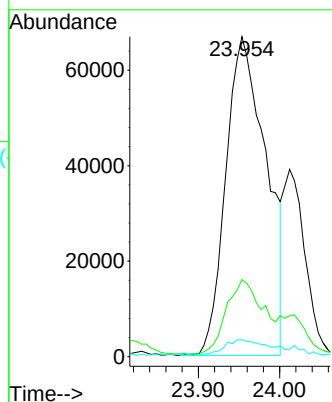
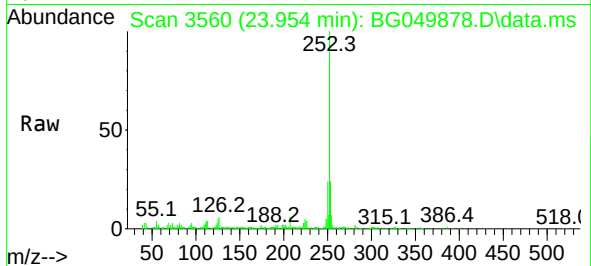




#89
Benzo(k)fluoranthene
Concen: 22.952 ng
RT: 23.954 min Scan# 3560
Delta R.T. -0.064 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

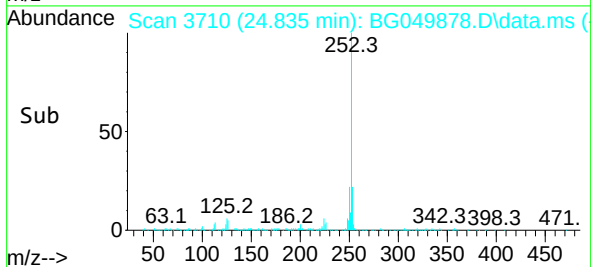
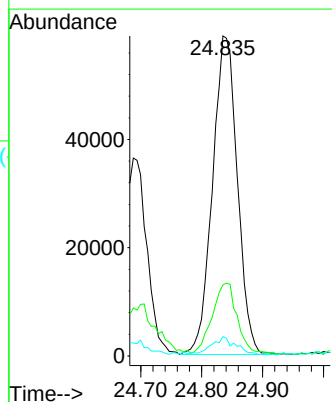
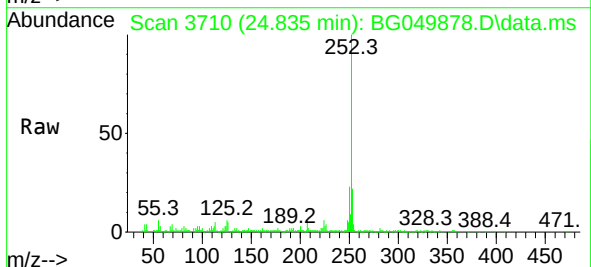
Instrument :
BNA_G
ClientSampleId :
28NDL

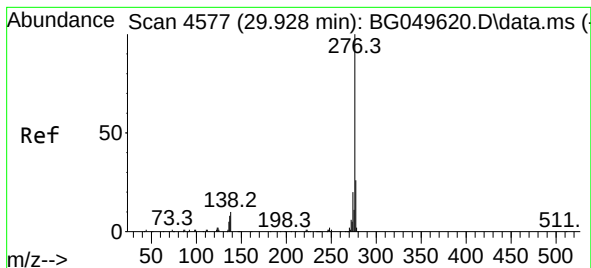
Tgt Ion:252 Resp: 231110
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 5.3 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 17.080 ng
RT: 24.835 min Scan# 3710
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:252 Resp: 166858
Ion Ratio Lower Upper
252 100
253 22.2 16.6 25.0
125 6.1 3.5 5.3#





#92

Benzo(g,h,i)perylene

Concen: 11.388 ng

RT: 29.922 min Scan# 4576

Delta R.T. 0.006 min

Lab File: BG049878.D

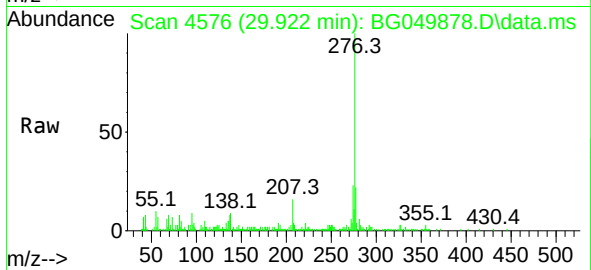
Acq: 17 Aug 2021 15:06

Instrument :

BNA_G

ClientSampleId :

28NDL



Tgt Ion:276 Resp: 111602

Ion Ratio Lower Upper

276 100

277 21.6 18.4 27.6

138 8.9 7.0 10.6

