

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055978.D
 Acq On : 15 Dec 2022 15:44
 Operator : CG/JU
 Sample : N6057-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1521

Quant Time: Dec 16 04:03:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

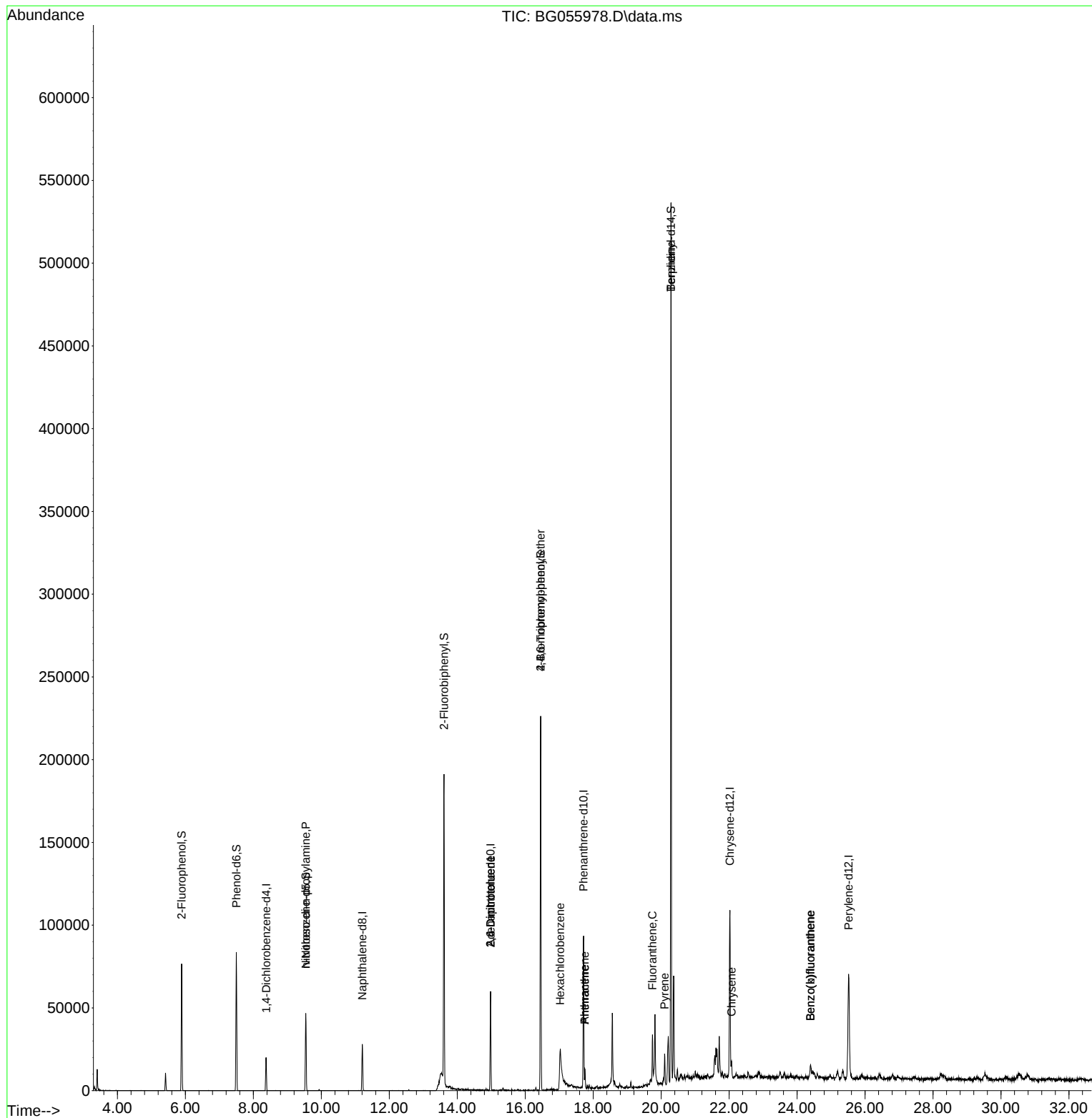
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.376	152	6831	20.000	ng	0.00
21) Naphthalene-d8	11.208	136	26099	20.000	ng	# 0.00
39) Acenaphthene-d10	14.980	164	23658	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	67714	20.000	ng	# 0.00
76) Chrysene-d12	22.024	240	71930	20.000	ng	0.00
86) Perylene-d12	25.514	264	87457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.890	112	31408	107.828	ng	0.00
7) Phenol-d6	7.500	99	40148	107.169	ng	0.00
23) Nitrobenzene-d5	9.545	82	25505	68.292	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	60723	106.445	ng	0.00
45) 2-Fluorobiphenyl	13.611	172	102659	60.858	ng	0.00
79) Terphenyl-d14	20.291	244	266483	65.478	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.545	70	3816	14.211	ng	# 67
51) 2,6-Dinitrotoluene	14.980	165	2973	9.393	ng	# 25
57) 2,4-Dinitrotoluene	14.980	165	2973	6.223	ng	# 35
67) 4-Bromophenyl-phenylether	16.454	248	3590	3.618	ng	# 1
68) Hexachlorobenzene	17.030	284	2486	2.034	ng	# 50
71) Phenanthrene	17.753	178	9606	2.707	ng	# 94
72) Anthracene	17.753	178	9606	2.736	ng	# 93
75) Fluoranthene	19.745	202	19978	4.020	ng	98
77) Benzidine	20.291	184	4348	3.442	ng	# 93
78) Pyrene	20.103	202	14595	3.353	ng	97
83) Chrysene	22.071	228	9595	2.023	ng	# 91
88) Benzo(b)fluoranthene	24.392	252	12842	2.269	ng	# 98
89) Benzo(k)fluoranthene	24.392	252	12842	2.274	ng	# 99

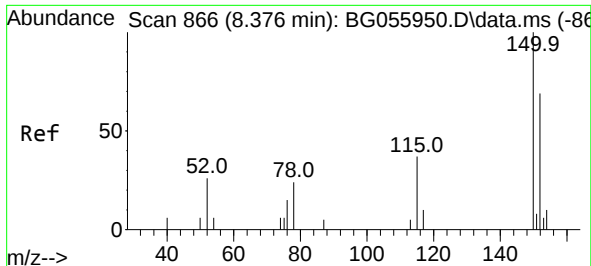
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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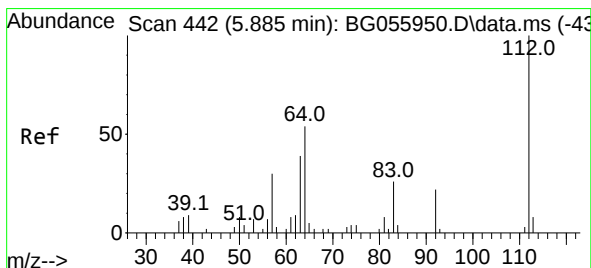
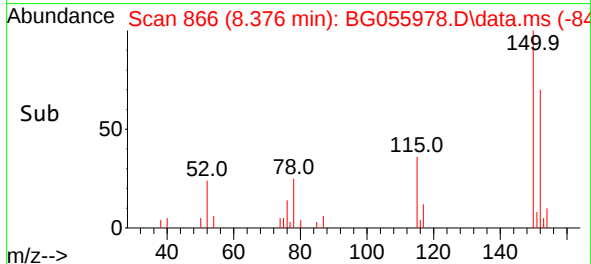
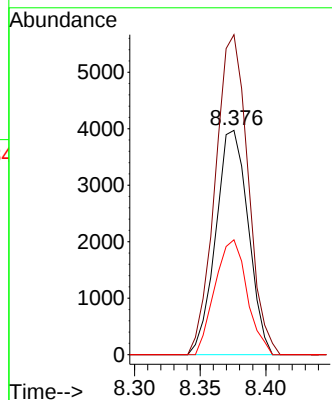
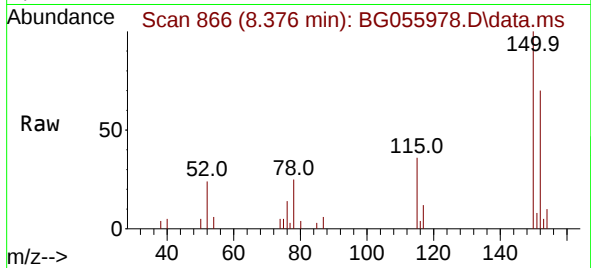




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.376 min Scan# 866
Delta R.T. -0.000 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

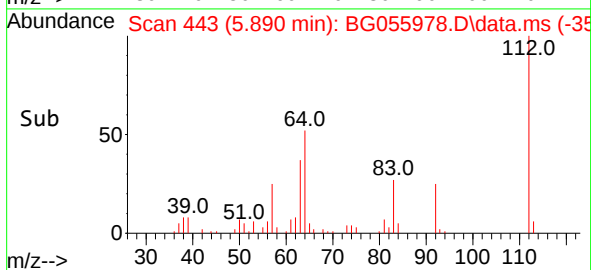
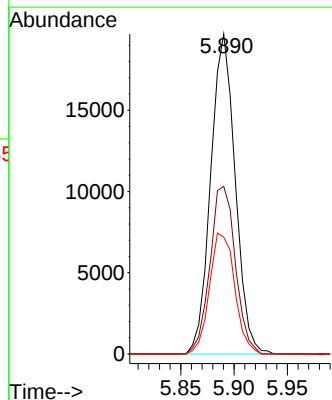
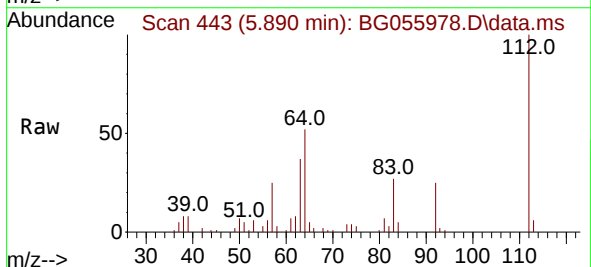
Instrument :
BNA_G
ClientSampleId :
1521

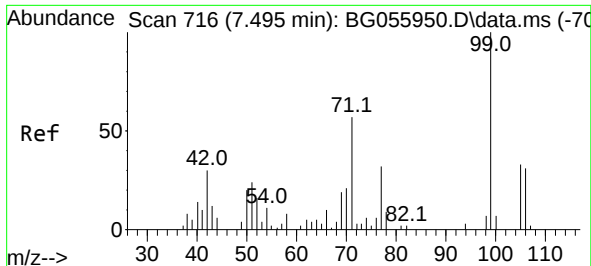
Tgt Ion:152 Resp: 6831
Ion Ratio Lower Upper
152 100
150 142.6 115.7 173.5
115 51.2 43.0 64.4



#5
2-Fluorophenol
Concen: 107.828 ng
RT: 5.890 min Scan# 443
Delta R.T. 0.005 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:112 Resp: 31408
Ion Ratio Lower Upper
112 100
64 52.4 43.0 64.4
63 36.5 31.4 47.2

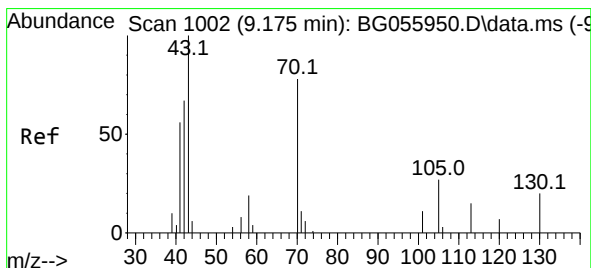
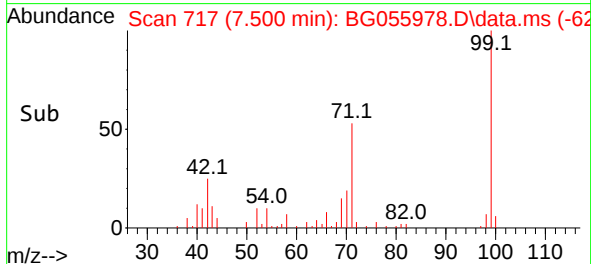
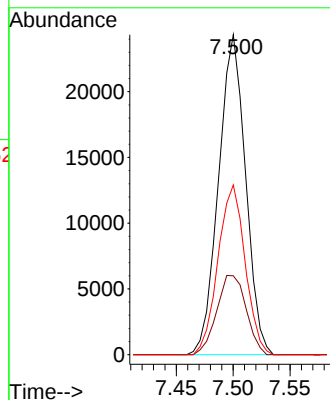
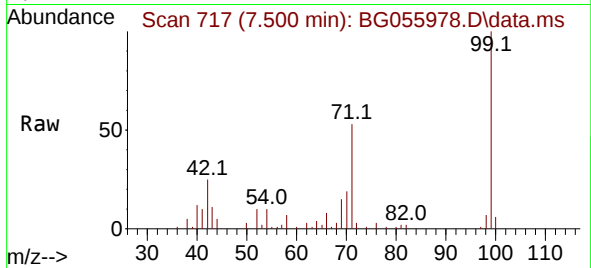




#7
Phenol-d6
Concen: 107.169 ng
RT: 7.500 min Scan# 716
Delta R.T. 0.005 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

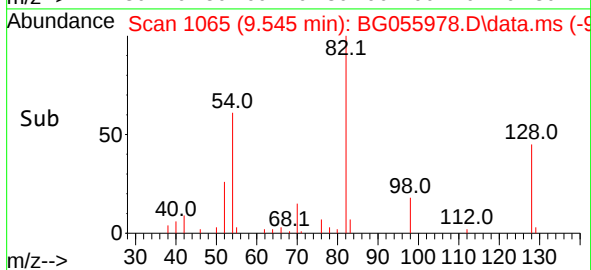
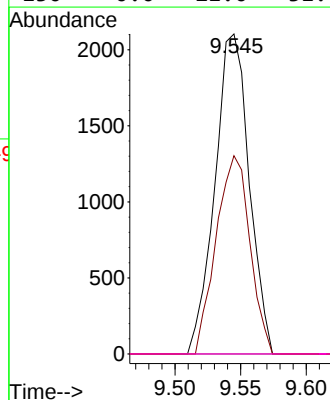
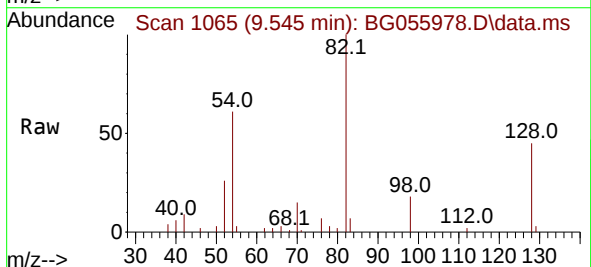
Instrument :
BNA_G
ClientSampleId :
1521

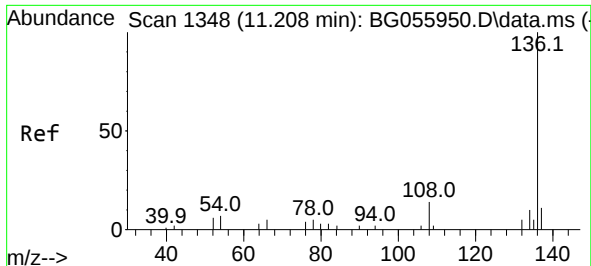
Tgt Ion: 99 Resp: 40148
Ion Ratio Lower Upper
99 100
42 24.7 24.3 36.5
71 53.1 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.211 ng
RT: 9.545 min Scan# 1065
Delta R.T. 0.369 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion: 70 Resp: 3816
Ion Ratio Lower Upper
70 100
42 61.9 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

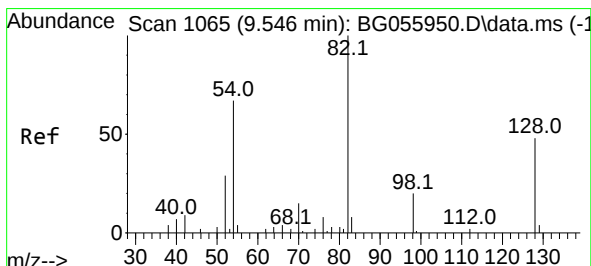
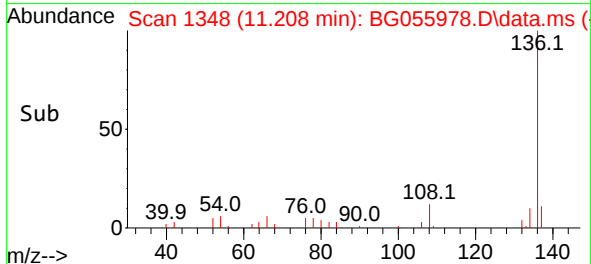
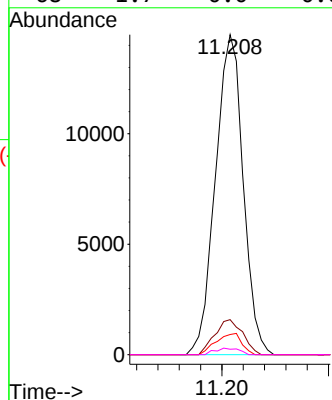
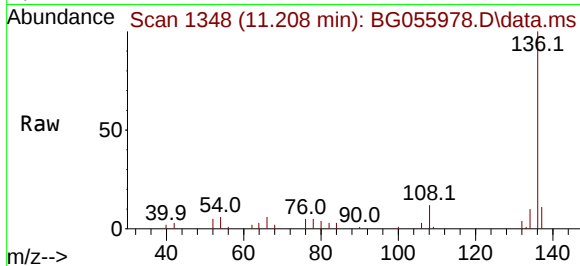




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.208 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

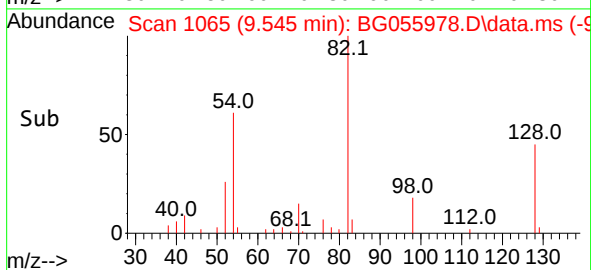
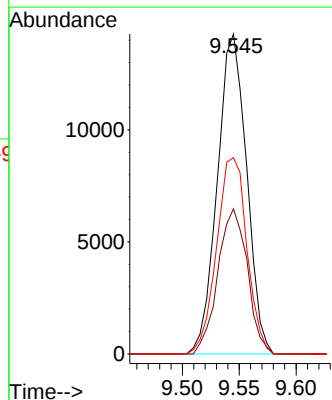
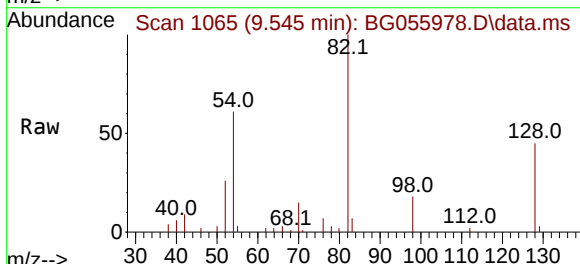
Instrument :
BNA_G
ClientSampleId :
1521

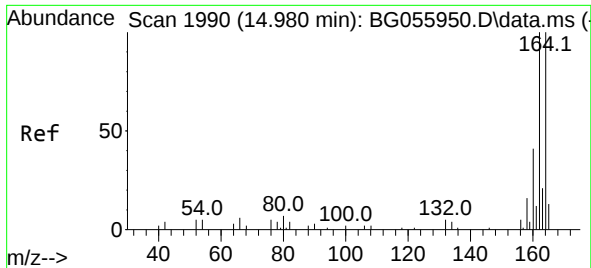
Tgt Ion:	136	Resp:	26099
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	6.3	5.6	8.4
68	1.7	0.0	0.0



#23
Nitrobenzene-d5
Concen: 68.292 ng
RT: 9.545 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:	82	Resp:	25505
Ion Ratio	Lower	Upper	
82	100		
128	45.4	38.4	57.6
54	61.4	53.3	79.9

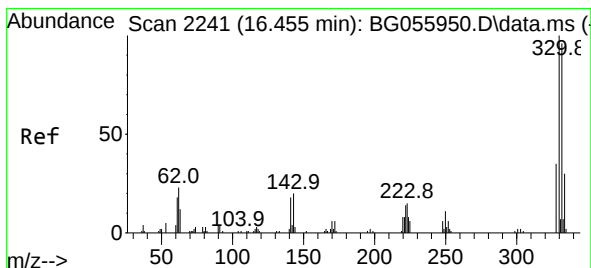
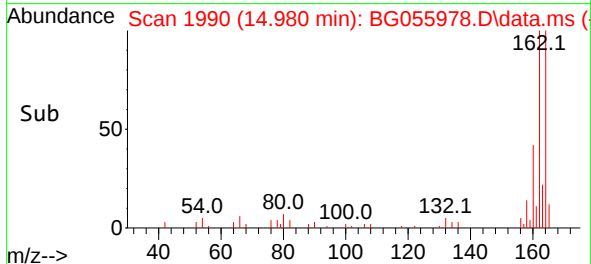
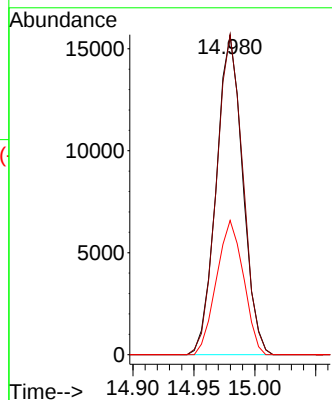
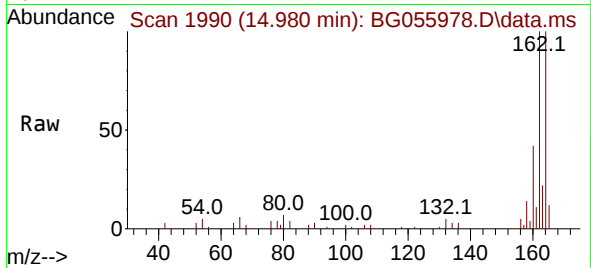




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.980 min Scan# 1990
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

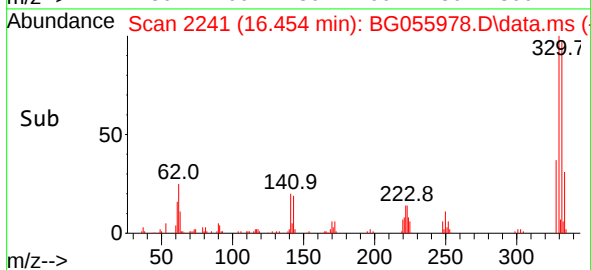
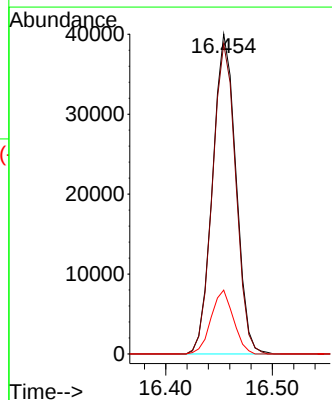
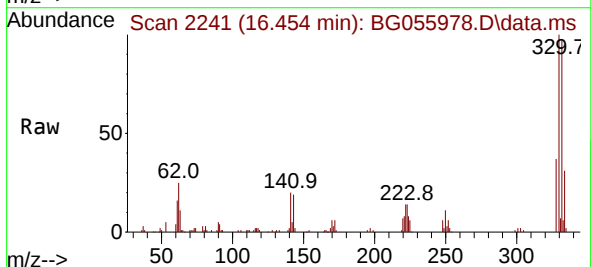
Instrument :
BNA_G
ClientSampleId :
1521

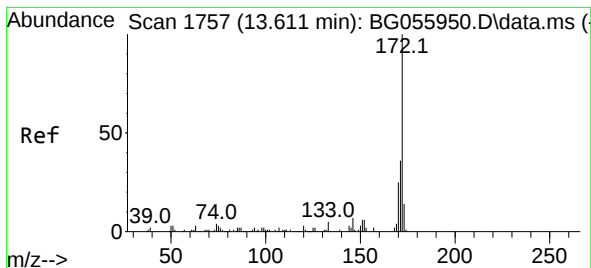
Tgt Ion:164 Resp: 23658
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 42.0 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 106.445 ng
RT: 16.454 min Scan# 2241
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:330 Resp: 60723
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 19.1 15.0 22.4





#45

2-Fluorobiphenyl

Concen: 60.858 ng

RT: 13.611 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

Instrument :

BNA_G

ClientSampleId :

1521

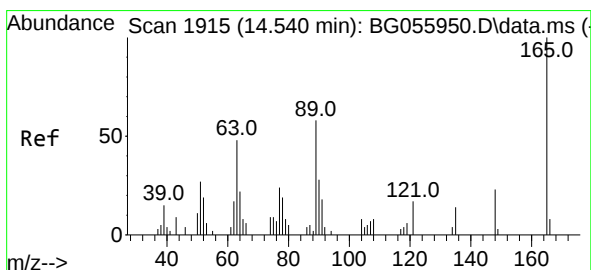
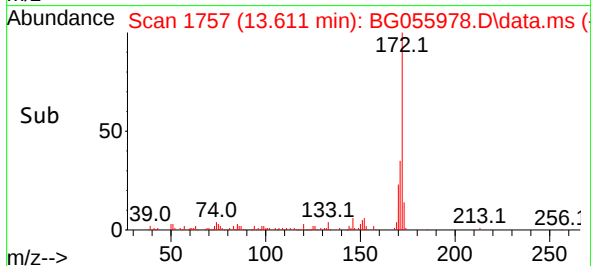
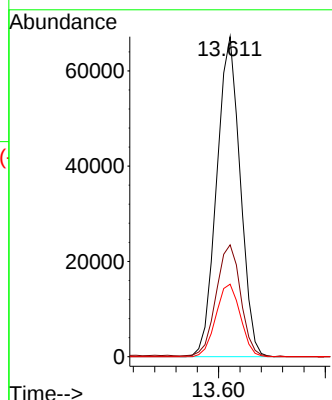
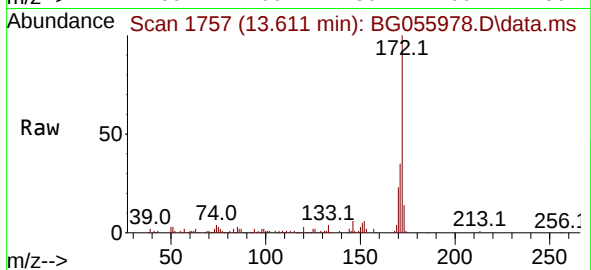
Tgt Ion:172 Resp: 102659

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 22.7 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 9.393 ng

RT: 14.980 min Scan# 1990

Delta R.T. 0.440 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

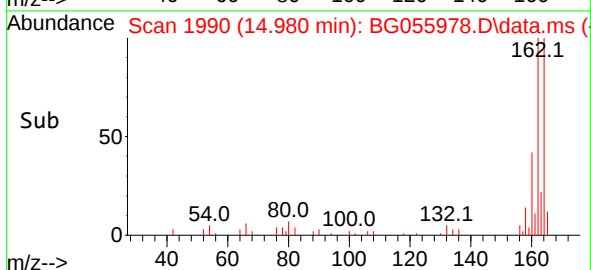
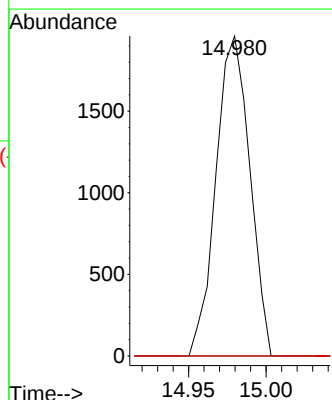
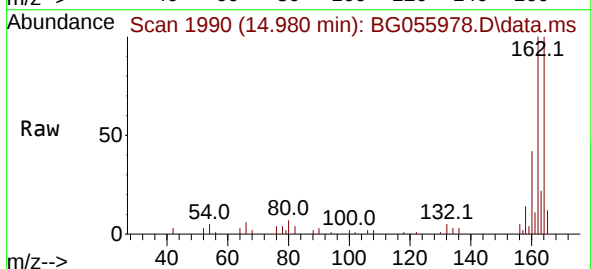
Tgt Ion:165 Resp: 2973

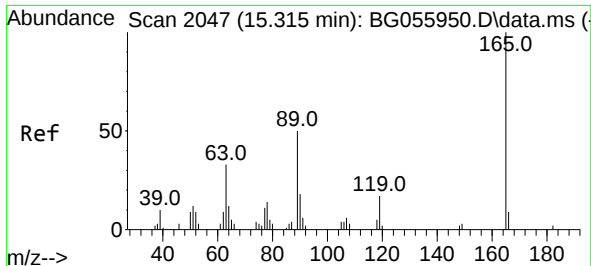
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 0.0 46.3 69.5#





#57

2,4-Dinitrotoluene

Concen: 6.223 ng

RT: 14.980 min Scan# 14980

Delta R.T. -0.336 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

Instrument :

BNA_G

ClientSampleId :

1521

Tgt Ion:165 Resp: 2973

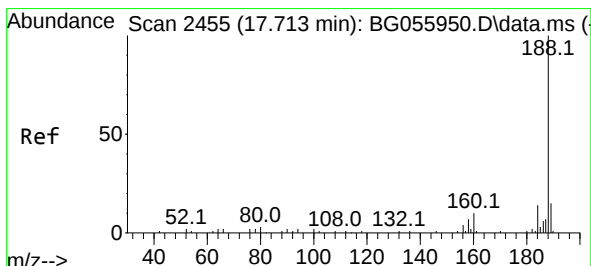
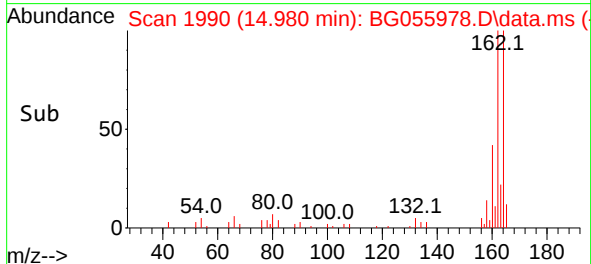
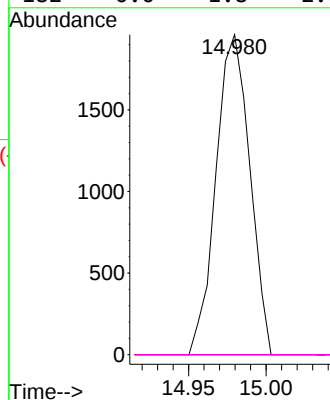
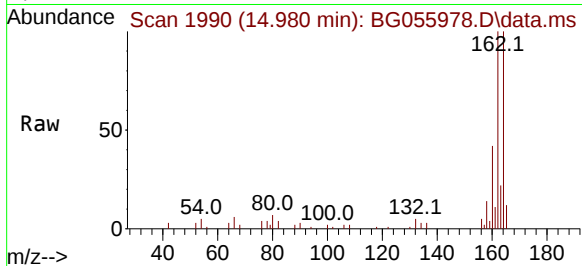
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.718 min Scan# 2456

Delta R.T. 0.005 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

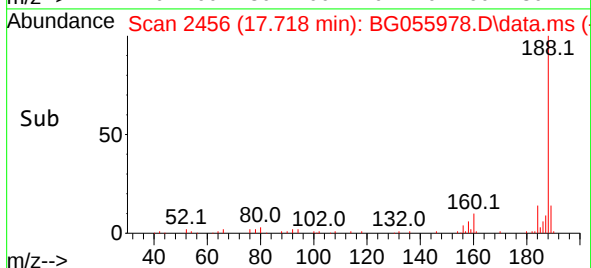
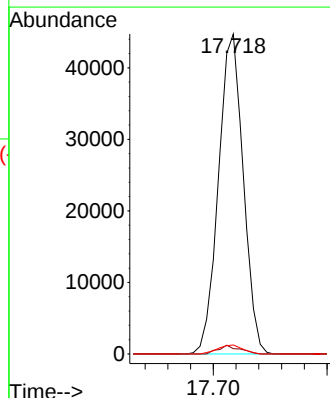
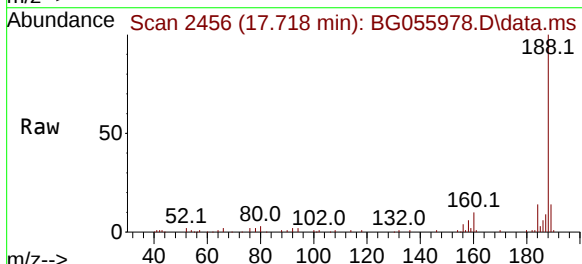
Tgt Ion:188 Resp: 67714

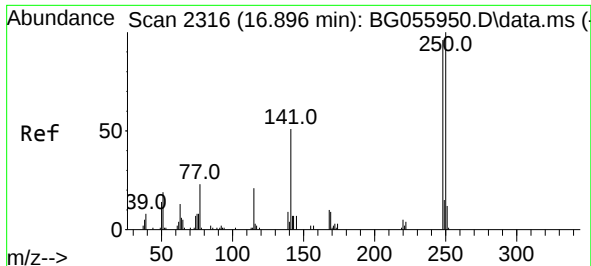
Ion Ratio Lower Upper

188 100

94 1.7 1.8 2.8#

80 2.8 2.4 3.6

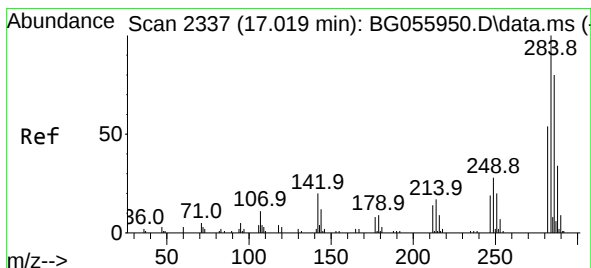
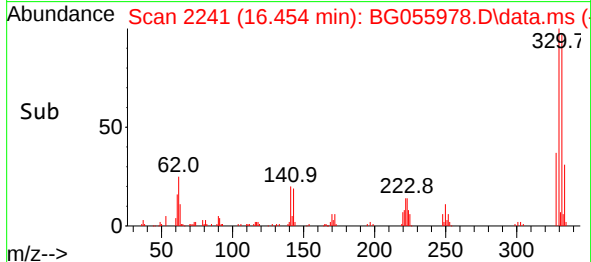
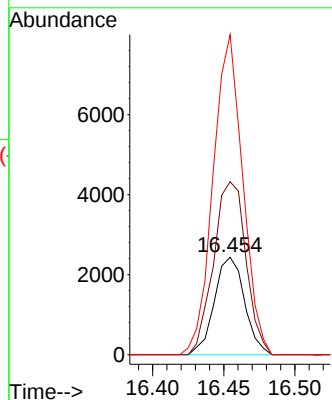
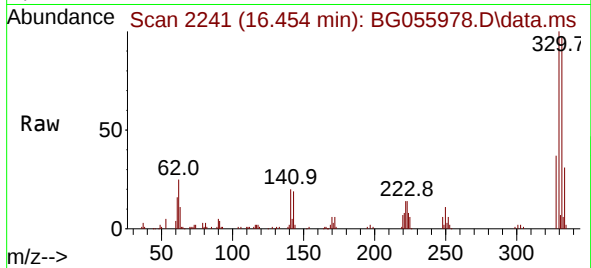




#67
4-Bromophenyl-phenylether
Concen: 3.618 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

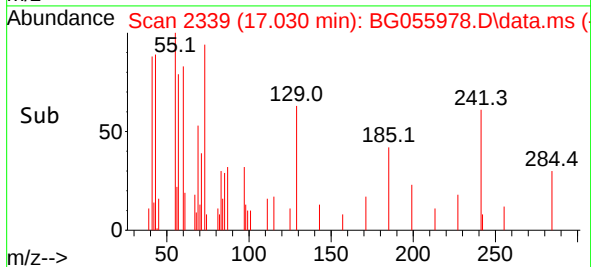
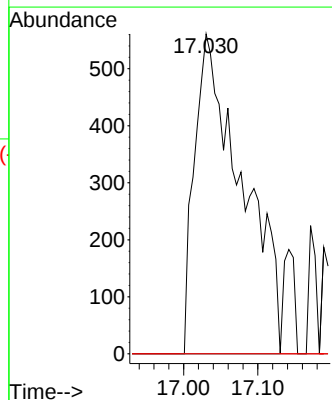
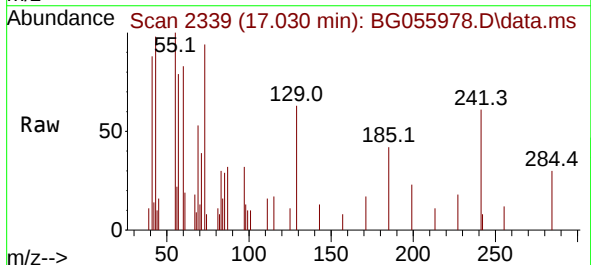
Instrument :
BNA_G
ClientSampleId :
1521

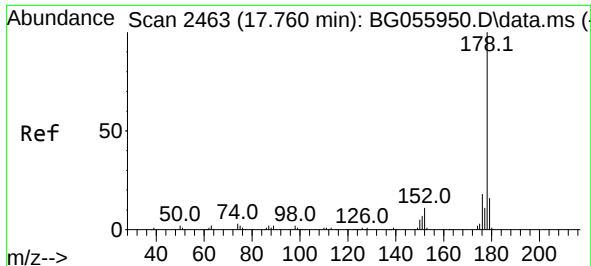
Tgt Ion:248 Resp: 3590
Ion Ratio Lower Upper
248 100
250 177.6 83.0 124.6#
141 328.5 42.6 64.0#



#68
Hexachlorobenzene
Concen: 2.034 ng
RT: 17.030 min Scan# 2339
Delta R.T. 0.011 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:284 Resp: 2486
Ion Ratio Lower Upper
284 100
142 0.0 16.2 24.2#
249 0.0 22.8 34.2#

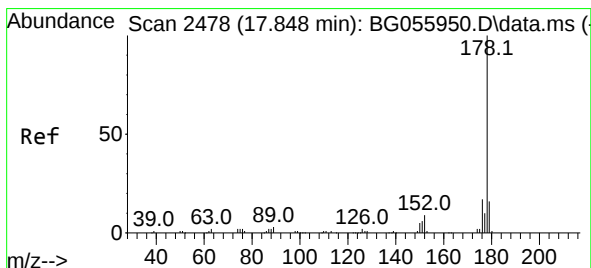
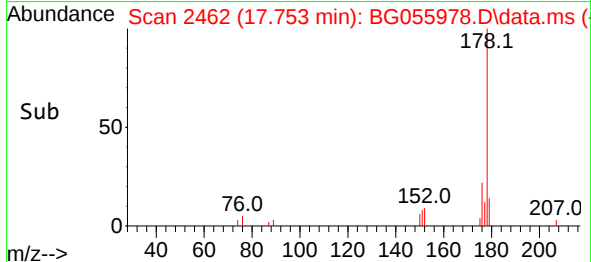
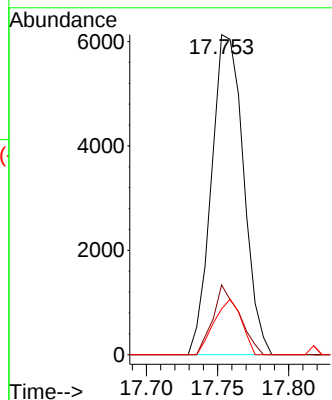
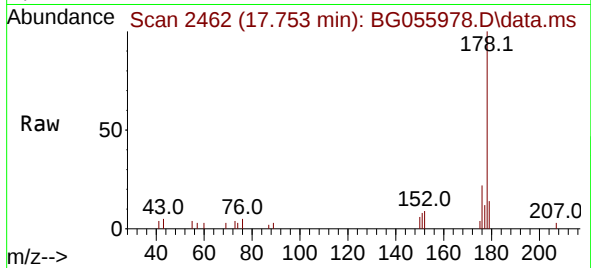




#71
Phenanthrene
Concen: 2.707 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.007 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

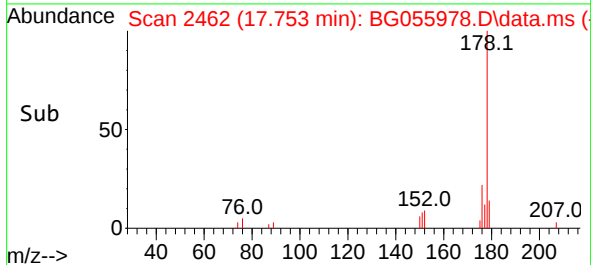
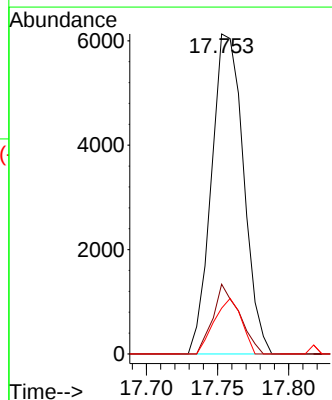
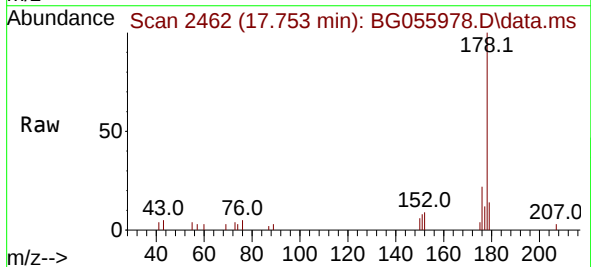
Instrument :
BNA_G
ClientSampleId :
1521

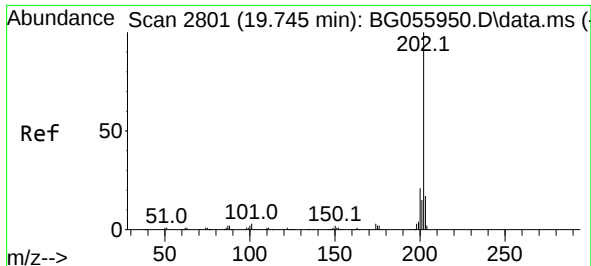
Tgt Ion:178 Resp: 9606
Ion Ratio Lower Upper
178 100
176 21.8 14.4 21.6#
179 14.3 12.7 19.1



#72
Anthracene
Concen: 2.736 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.095 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:178 Resp: 9606
Ion Ratio Lower Upper
178 100
176 21.8 13.9 20.9#
179 14.3 12.7 19.1

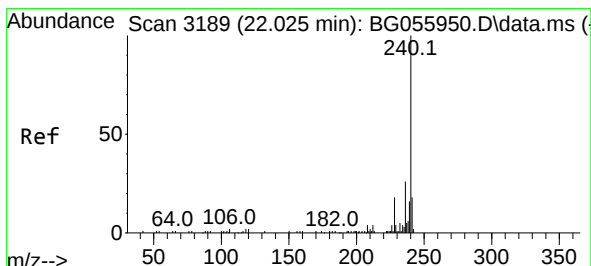
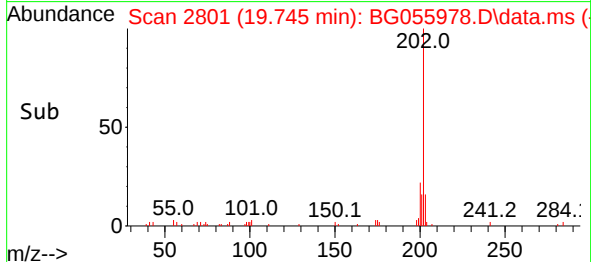
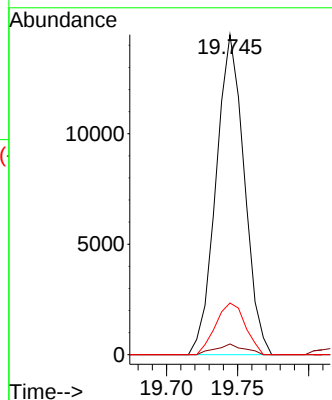
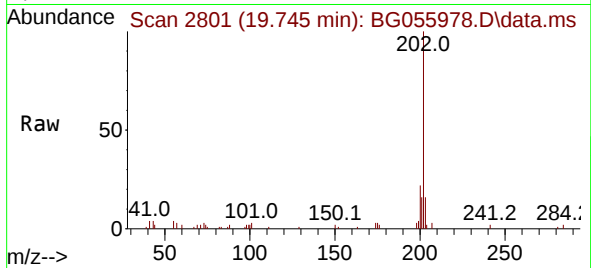




#75
Fluoranthene
Concen: 4.020 ng
RT: 19.745 min Scan# 2801
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

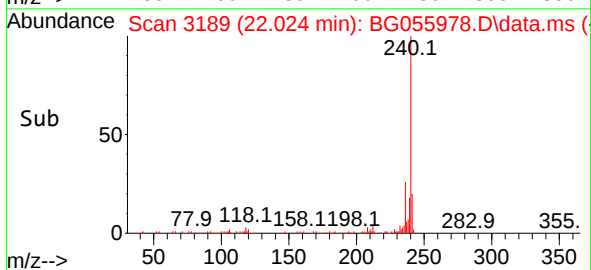
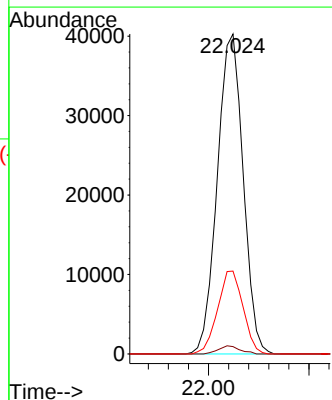
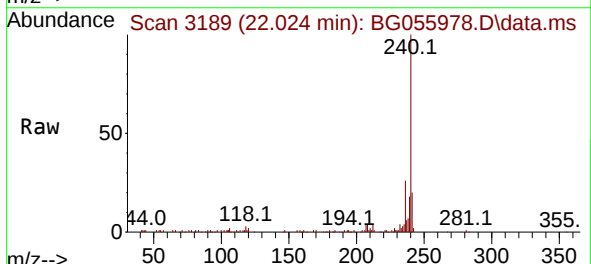
Instrument :
BNA_G
ClientSampleId :
1521

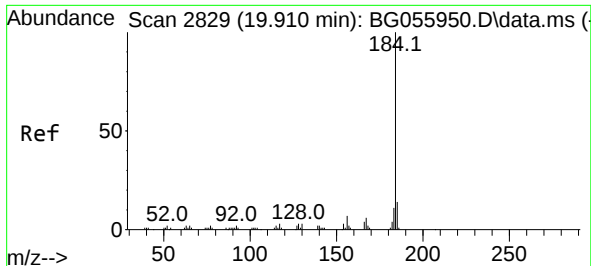
Tgt Ion:	202	Resp:	19978
Ion Ratio	Lower	Upper	
202	100		
101	3.3	0.0	22.6
203	16.2	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:	240	Resp:	71930
Ion Ratio	Lower	Upper	
240	100		
120	2.3	1.7	2.5
236	25.9	21.1	31.7

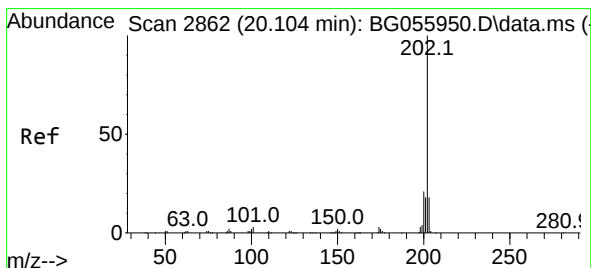
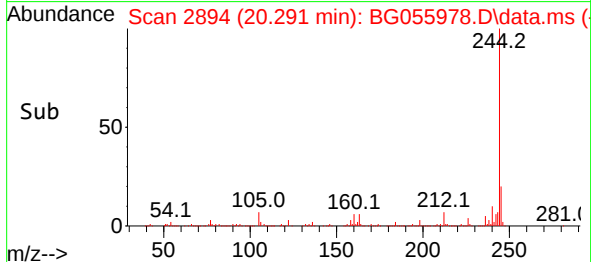
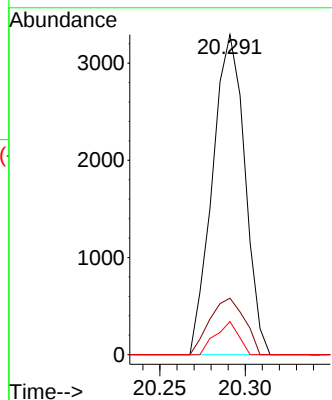
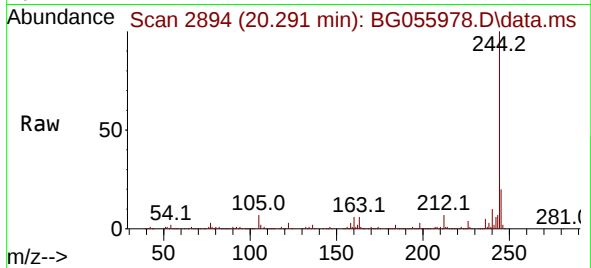




#77
Benzidine
Concen: 3.442 ng
RT: 20.291 min Scan# 2894
Delta R.T. 0.381 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

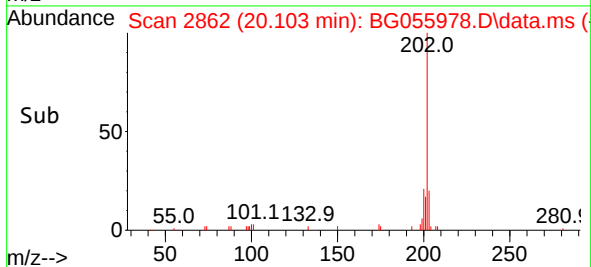
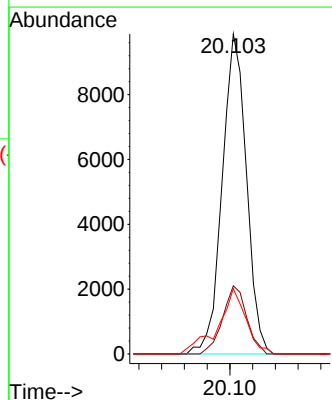
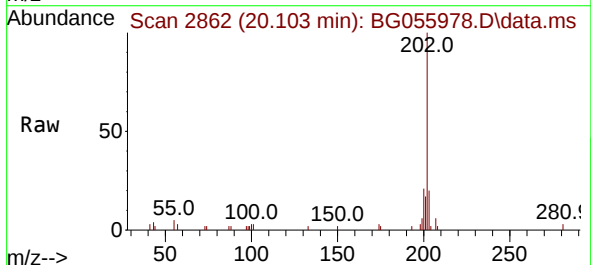
Instrument :
BNA_G
ClientSampleId :
1521

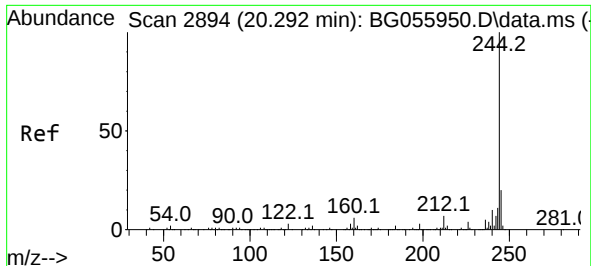
Tgt Ion:184 Resp: 4348
Ion Ratio Lower Upper
184 100
185 17.6 10.9 16.3#
183 10.3 9.2 13.8



#78
Pyrene
Concen: 3.353 ng
RT: 20.103 min Scan# 2862
Delta R.T. -0.001 min
Lab File: BG055978.D
Acq: 15 Dec 2022 15:44

Tgt Ion:202 Resp: 14595
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 20.4 14.6 21.8

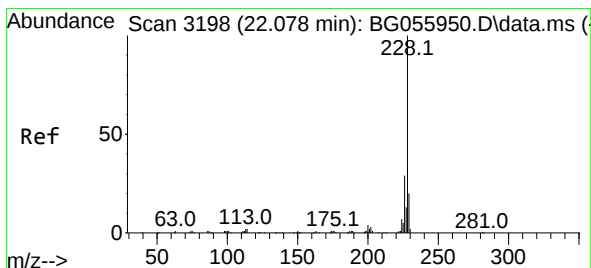
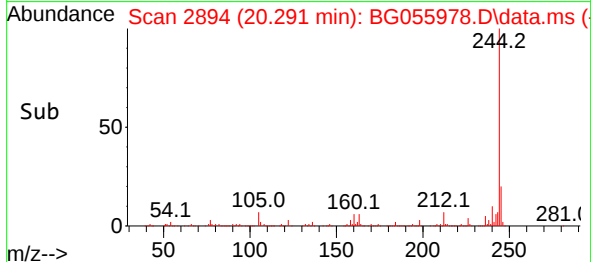
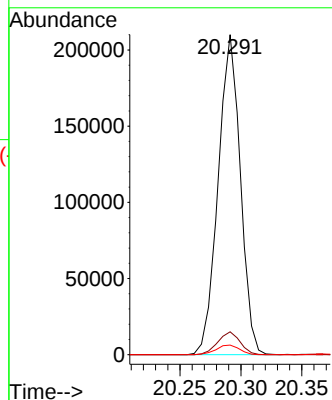
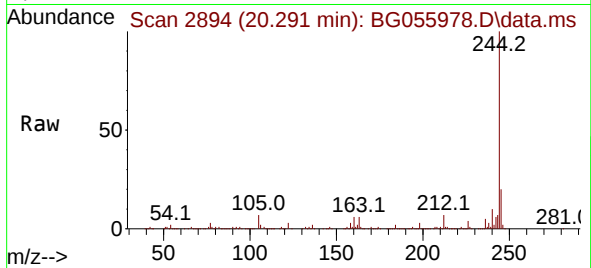




#79
 Terphenyl-d14
 Concen: 65.478 ng
 RT: 20.291 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055978.D
 Acq: 15 Dec 2022 15:44

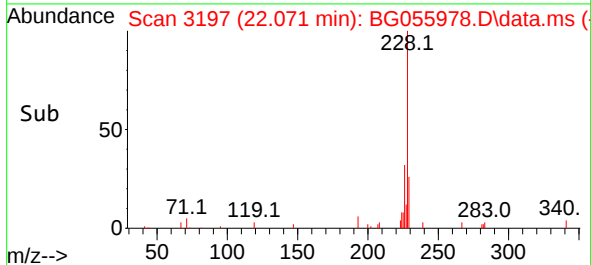
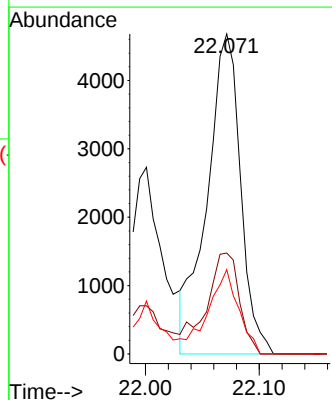
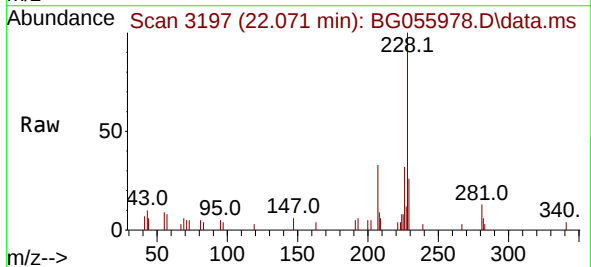
Instrument :
 BNA_G
 ClientSampleId :
 1521

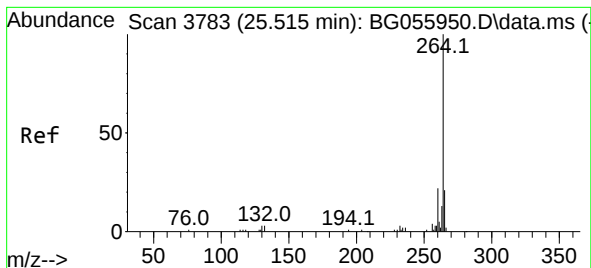
Tgt Ion:244 Resp: 266483
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.0 2.5 3.7



#83
 Chrysene
 Concen: 2.023 ng
 RT: 22.071 min Scan# 3197
 Delta R.T. -0.007 min
 Lab File: BG055978.D
 Acq: 15 Dec 2022 15:44

Tgt Ion:228 Resp: 9595
 Ion Ratio Lower Upper
 228 100
 226 31.6 23.1 34.7
 229 26.4 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.514 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

Instrument :

BNA_G

ClientSampleId :

1521

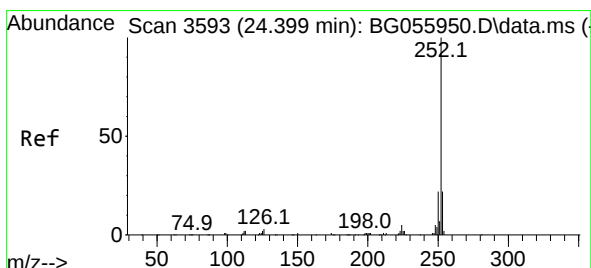
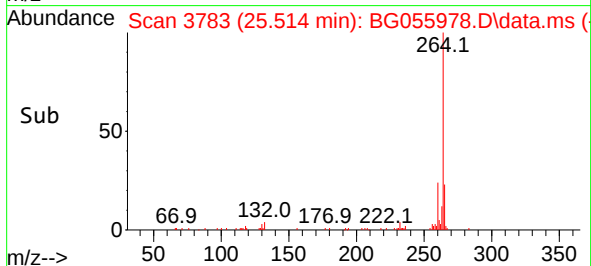
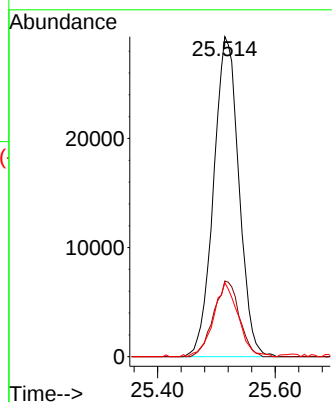
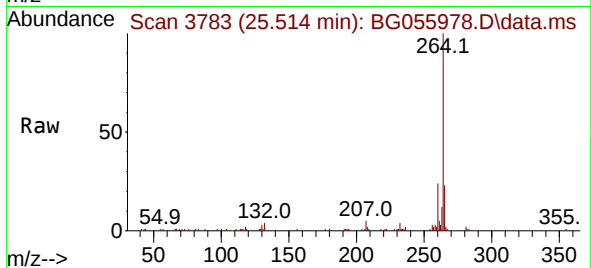
Tgt Ion:264 Resp: 87457

Ion Ratio Lower Upper

264 100

260 23.7 17.8 26.8

265 23.1 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.269 ng

RT: 24.392 min Scan# 3592

Delta R.T. -0.007 min

Lab File: BG055978.D

Acq: 15 Dec 2022 15:44

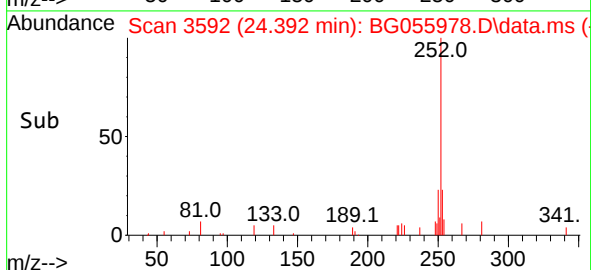
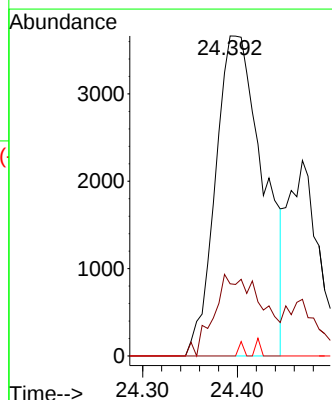
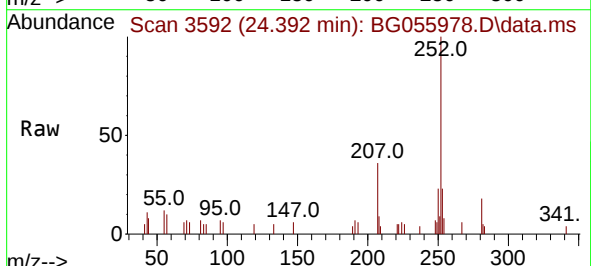
Tgt Ion:252 Resp: 12842

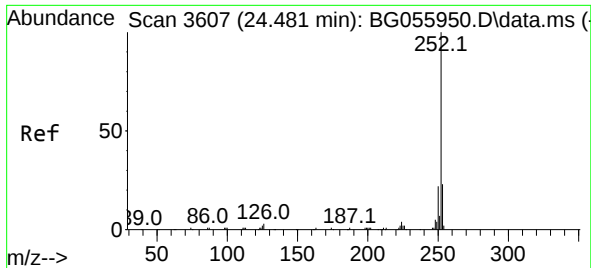
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 0.0 1.8 2.8#





#89

Benzo(k)fluoranthene

Concen: 2.274 ng

RT: 24.392 min Scan# 3

Delta R.T. -0.089 min

Lab File: BG055978.D

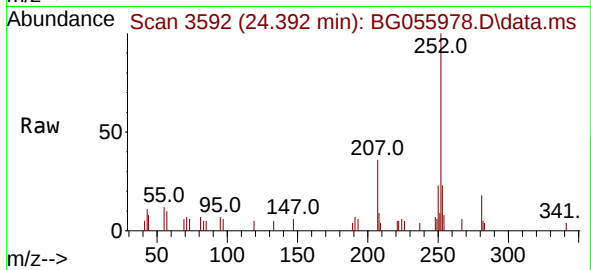
Acq: 15 Dec 2022 15:44

Instrument :

BNA_G

ClientSampleId :

1521



Tgt Ion:252 Resp: 12842

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 0.0 2.0 3.0#

