

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055984.D
 Acq On : 15 Dec 2022 19:52
 Operator : CG/JU
 Sample : N6046-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-121322

Quant Time: Dec 16 04:06:15 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)

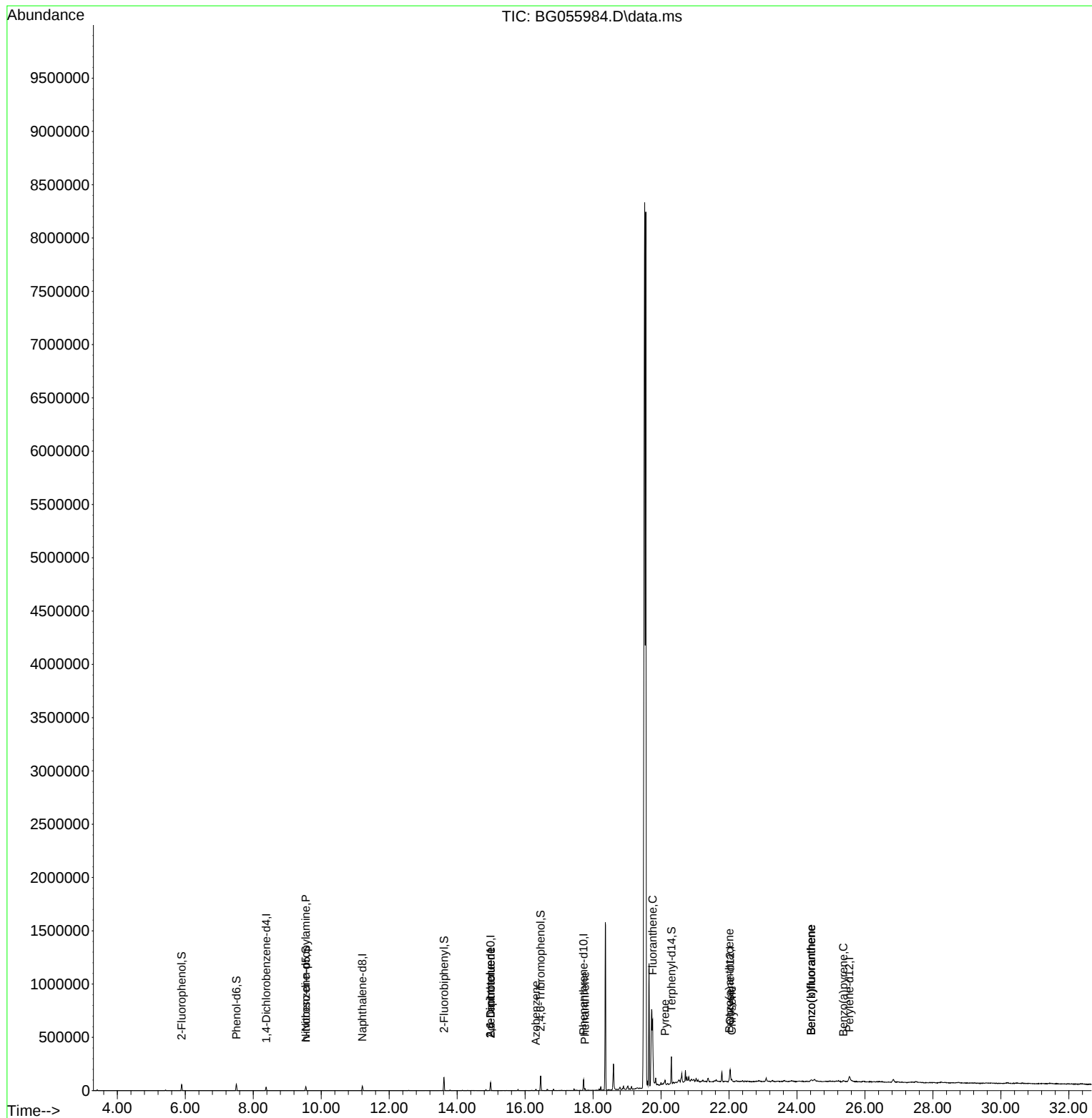
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	10806	20.000	ng	0.00
21) Naphthalene-d8	11.211	136	38355	20.000	ng	# 0.00
39) Acenaphthene-d10	14.983	164	29500	20.000	ng	0.00
64) Phenanthrene-d10	17.721	188	70461	20.000	ng	# 0.00
76) Chrysene-d12	22.033	240	76684	20.000	ng	0.00
86) Perylene-d12	25.541	264	82777	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	23820	51.695	ng	0.00
7) Phenol-d6	7.503	99	30078	50.754	ng	0.00
23) Nitrobenzene-d5	9.548	82	20063	36.554	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	36712	51.610	ng	0.00
45) 2-Fluorobiphenyl	13.614	172	71350	33.921	ng	0.00
79) Terphenyl-d14	20.306	244	133817	30.842	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.548	70	3153	7.423	ng	# 67
51) 2,6-Dinitrotoluene	14.983	165	4085	10.350	ng	# 25
57) 2,4-Dinitrotoluene	14.983	165	4085	6.857	ng	# 35
63) Azobenzene	16.316	77	3350	2.208	ng	# 1
71) Phenanthrene	17.762	178	12045	3.262	ng	94
75) Fluoranthene	19.754	202	32895	6.362	ng	90
78) Pyrene	20.118	202	30142	6.496	ng	97
81) Benzo(a)anthracene	22.010	228	19211	3.560	ng	# 91
83) Chrysene	22.080	228	19311	3.818	ng	# 92
88) Benzo(b)fluoranthene	24.419	252	23374	4.363	ng	# 78
89) Benzo(k)fluoranthene	24.419	252	23374	4.373	ng	# 80
90) Benzo(a)pyrene	25.365	252	16760	3.701	ng	# 83

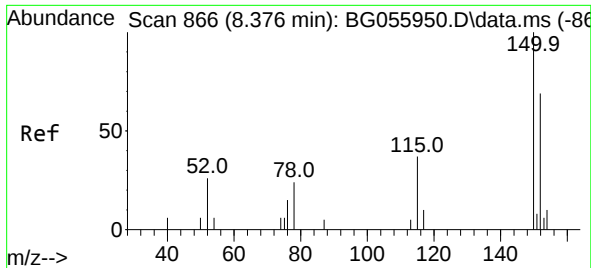
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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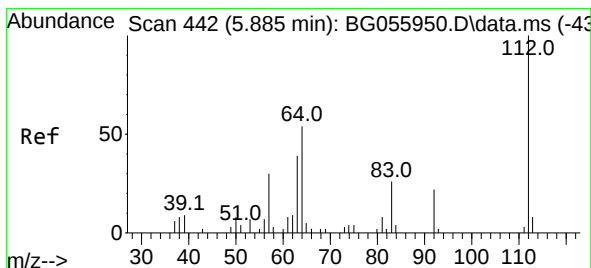
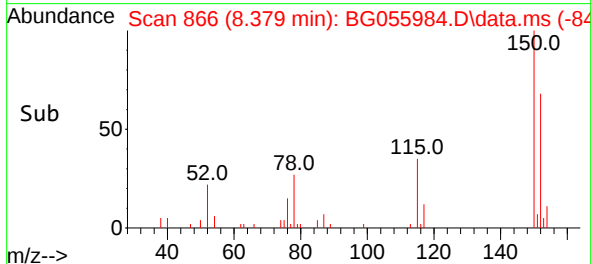
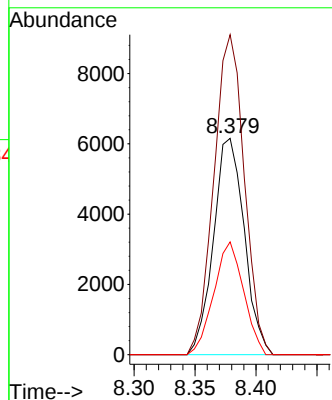
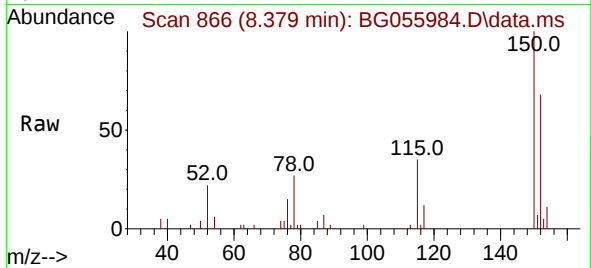




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.379 min Scan# 866
Delta R.T. 0.003 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

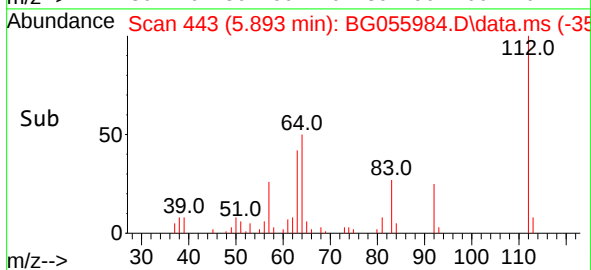
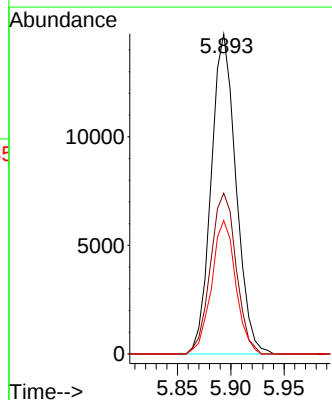
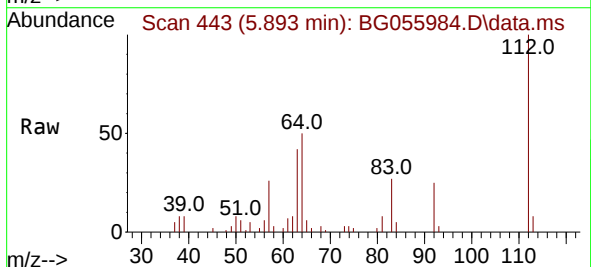
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

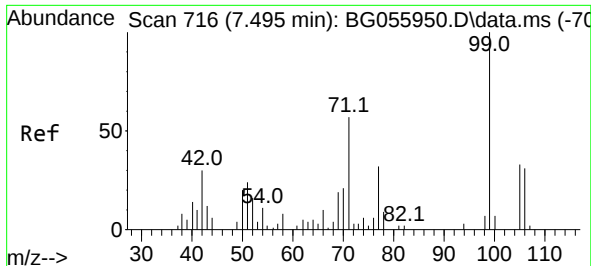
Tgt Ion:152 Resp: 10806
Ion Ratio Lower Upper
152 100
150 147.9 115.7 173.5
115 52.1 43.0 64.4



#5
2-Fluorophenol
Concen: 51.695 ng
RT: 5.893 min Scan# 443
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:112 Resp: 23820
Ion Ratio Lower Upper
112 100
64 50.3 43.0 64.4
63 41.7 31.4 47.2

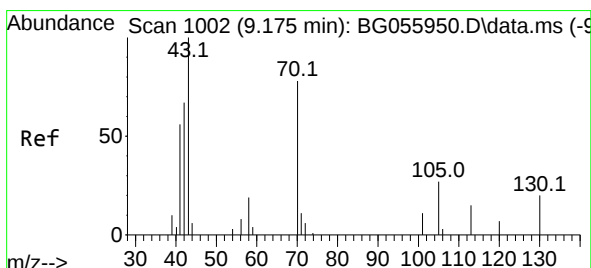
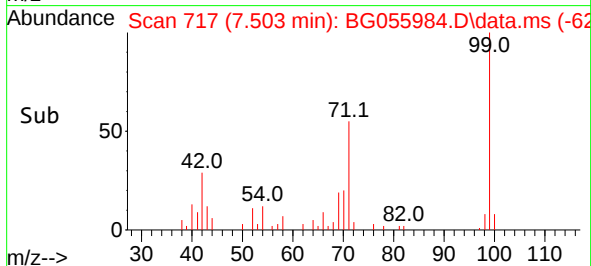
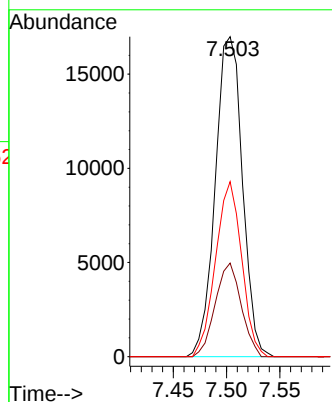
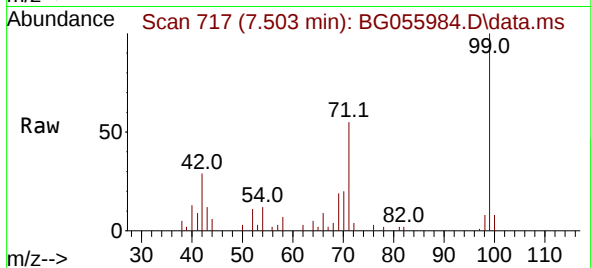




#7
Phenol-d6
Concen: 50.754 ng
RT: 7.503 min Scan# 716
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

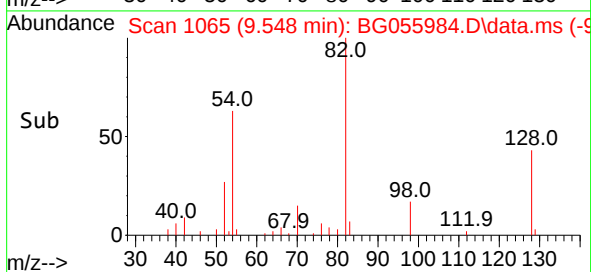
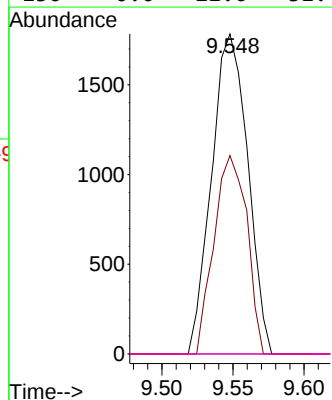
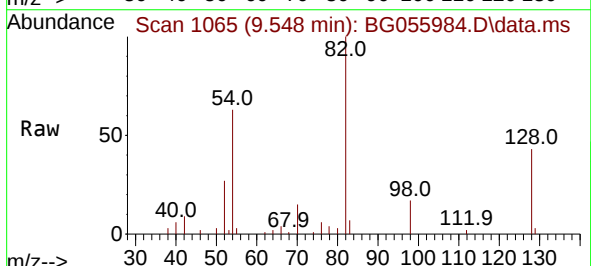
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

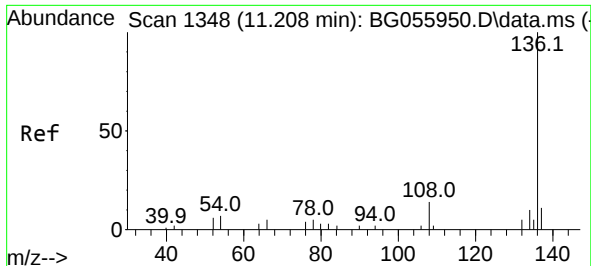
Tgt Ion: 99 Resp: 30078
Ion Ratio Lower Upper
99 100
42 29.2 24.3 36.5
71 54.7 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.423 ng
RT: 9.548 min Scan# 1065
Delta R.T. 0.372 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion: 70 Resp: 3153
Ion Ratio Lower Upper
70 100
42 62.0 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

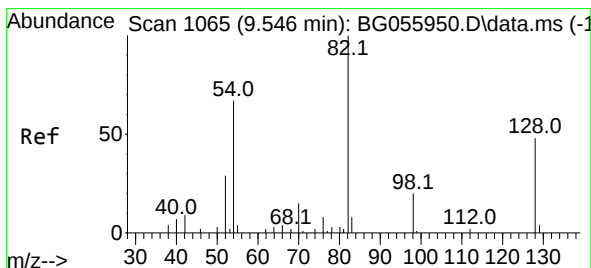
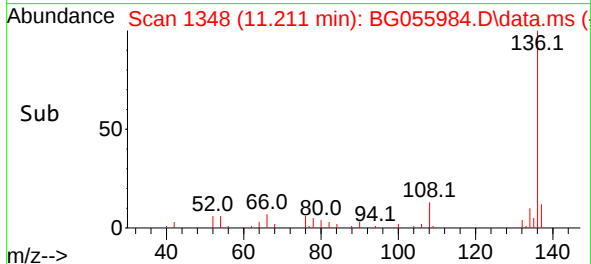
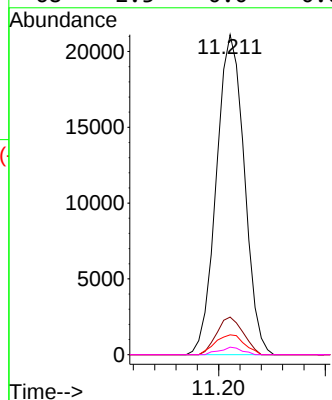
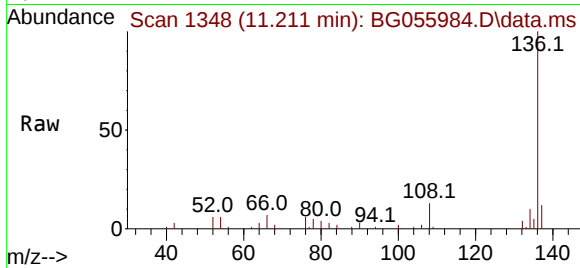




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.211 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

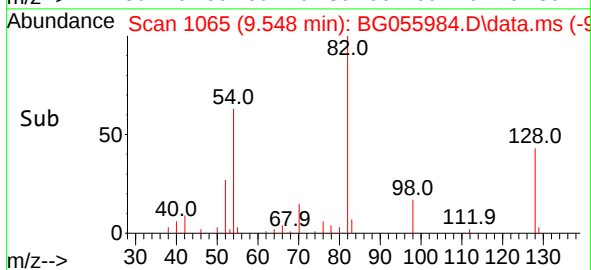
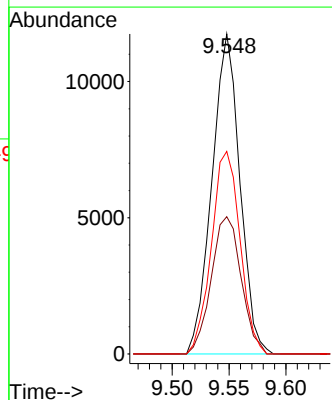
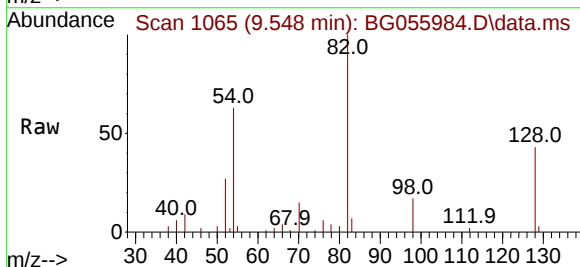
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

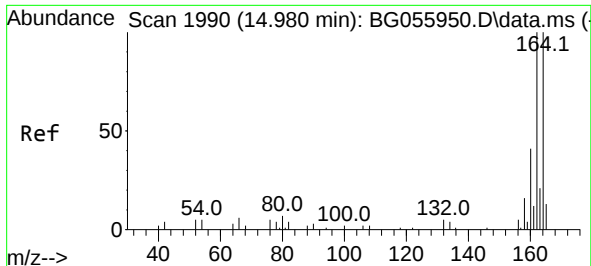
Tgt Ion:	136	Resp:	38355
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.2	13.8
54	6.2	5.6	8.4
68	2.3	0.0	0.0



#23
Nitrobenzene-d5
Concen: 36.554 ng
RT: 9.548 min Scan# 1065
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:	82	Resp:	20063
Ion Ratio	Lower	Upper	
82	100		
128	42.9	38.4	57.6
54	63.3	53.3	79.9

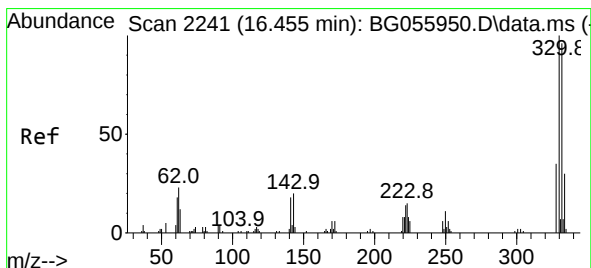
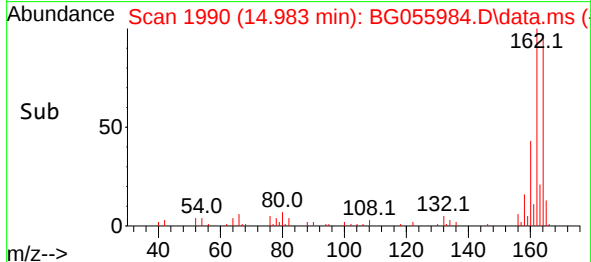
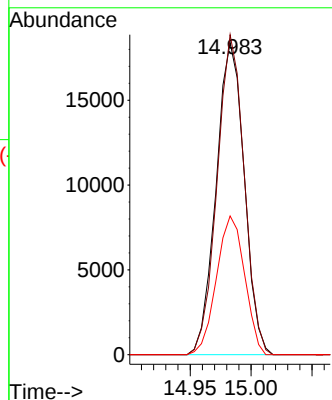
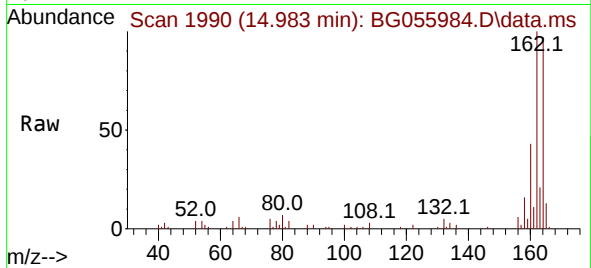




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.983 min Scan# 1990
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

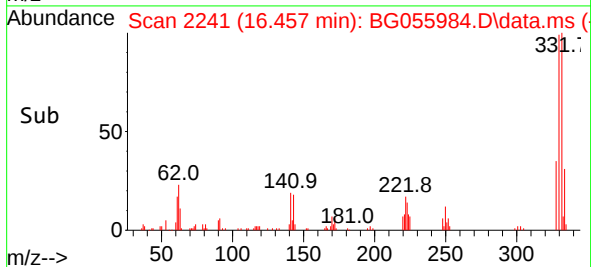
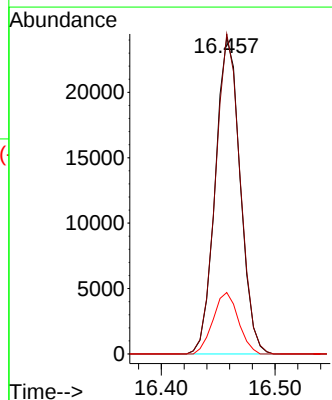
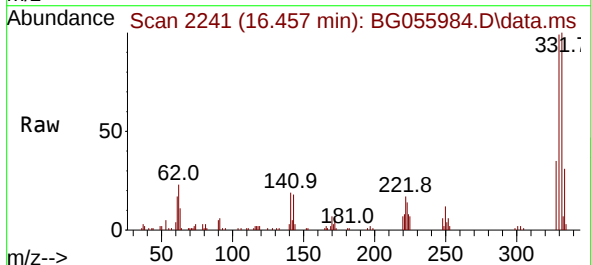
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

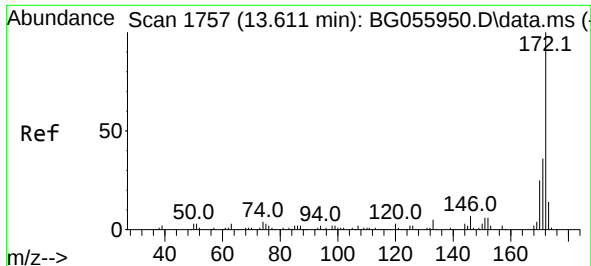
Tgt Ion:164 Resp: 29500
Ion Ratio Lower Upper
164 100
162 102.6 79.8 119.8
160 44.4 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 51.610 ng
RT: 16.457 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:330 Resp: 36712
Ion Ratio Lower Upper
330 100
332 99.9 76.6 114.8
141 19.7 15.0 22.4

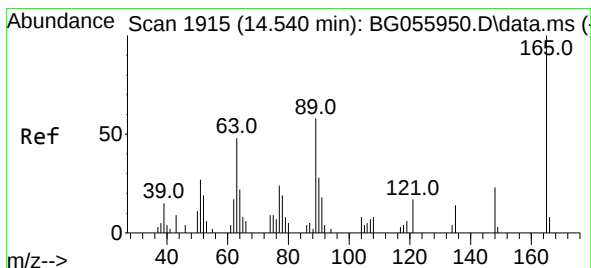
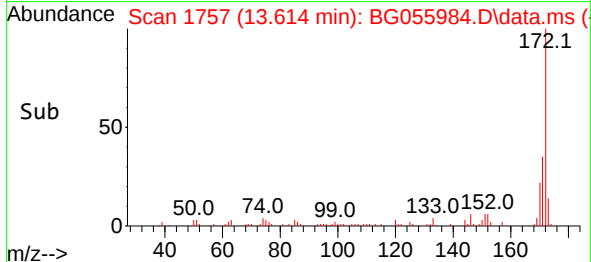
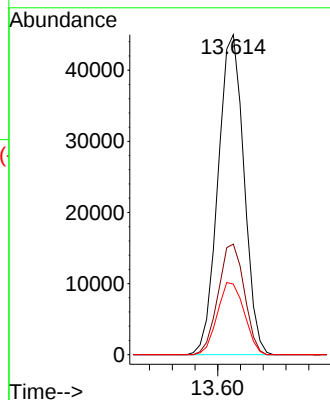
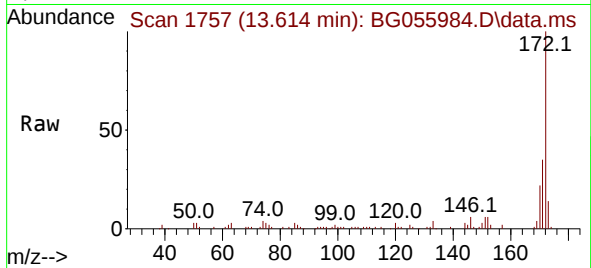




#45
2-Fluorobiphenyl
Concen: 33.921 ng
RT: 13.614 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

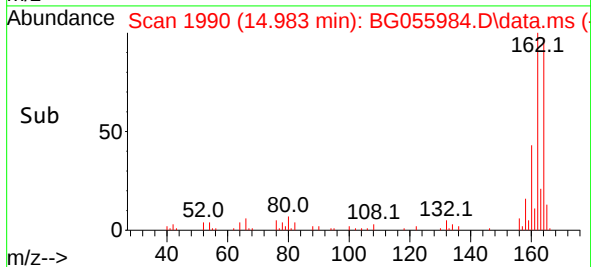
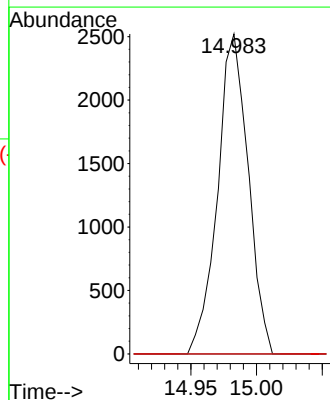
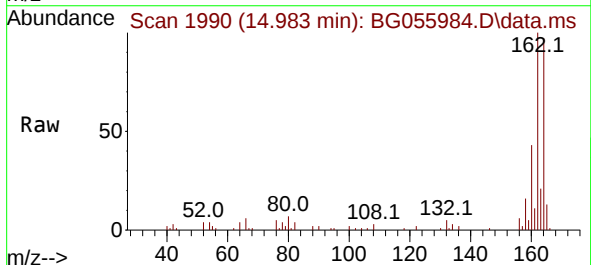
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

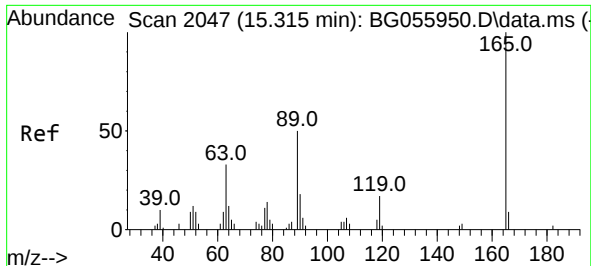
Tgt Ion:172 Resp: 71350
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.1 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 10.350 ng
RT: 14.983 min Scan# 1990
Delta R.T. 0.443 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:165 Resp: 4085
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: 6.857 ng

RT: 14.983 min Scan# 1990

Delta R.T. -0.333 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

HR-02-121322

Tgt Ion:165 Resp: 4085

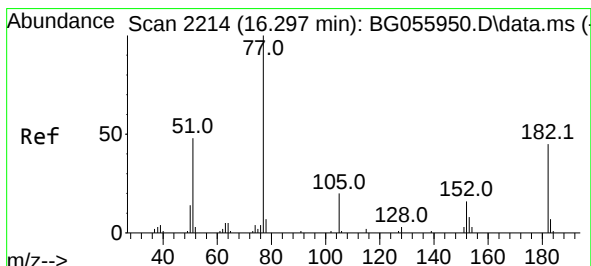
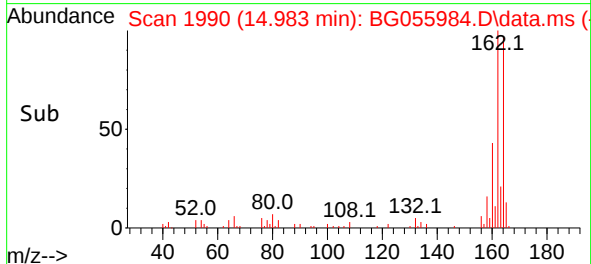
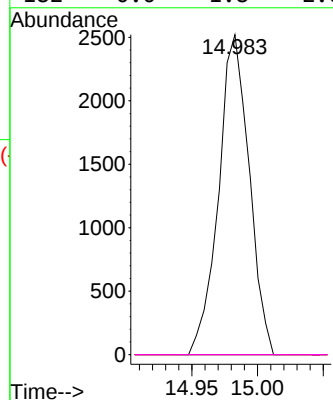
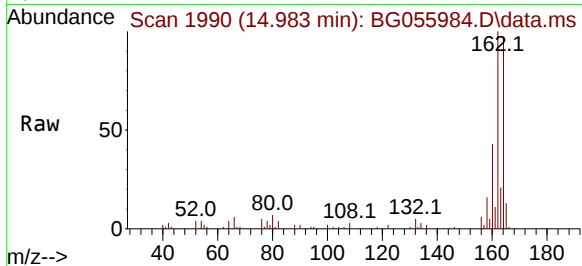
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.208 ng

RT: 16.316 min Scan# 2217

Delta R.T. 0.020 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Tgt Ion: 77 Resp: 3350

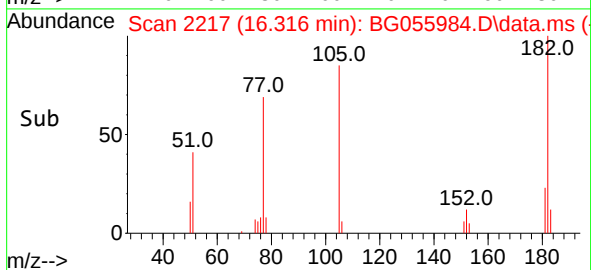
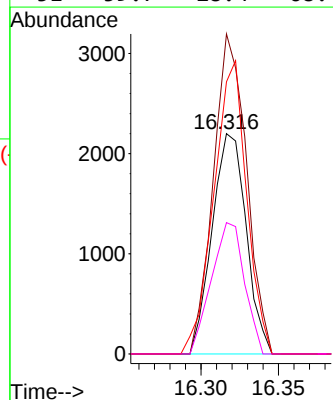
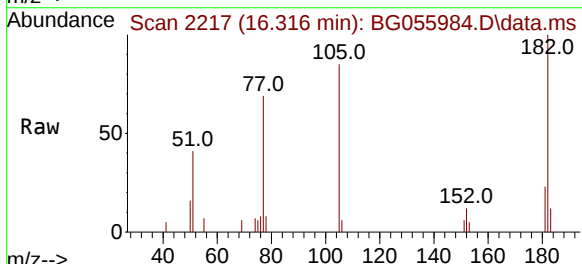
Ion Ratio Lower Upper

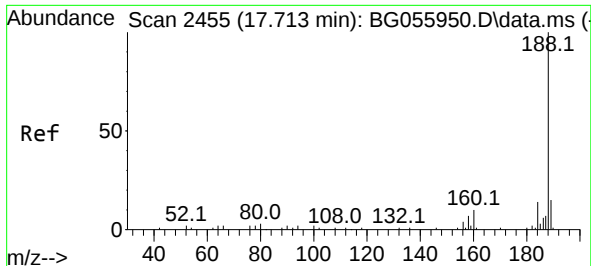
77 100

182 145.3 24.7 64.7#

105 123.6 0.3 40.3#

51 59.7 28.4 68.4

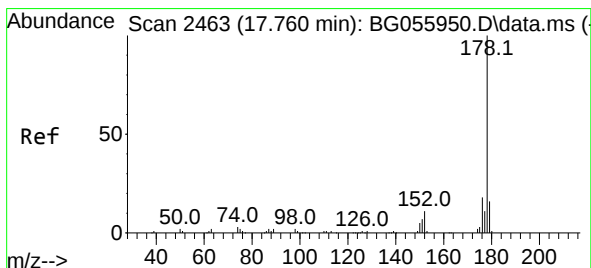
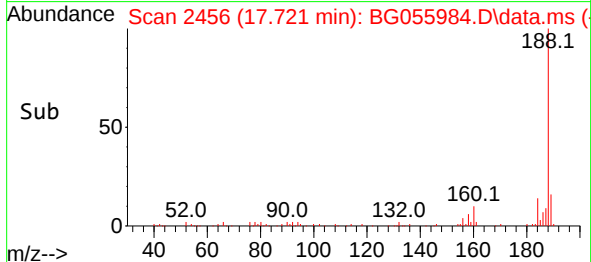
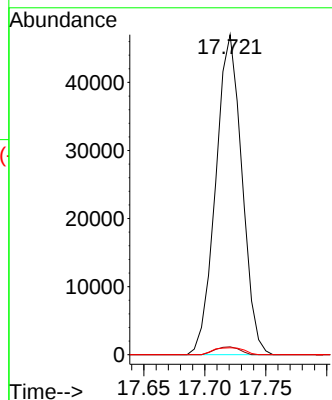
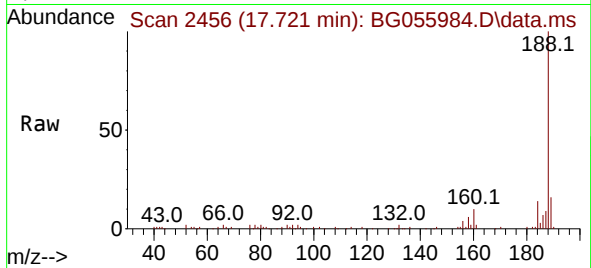




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.721 min Scan# 2455
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

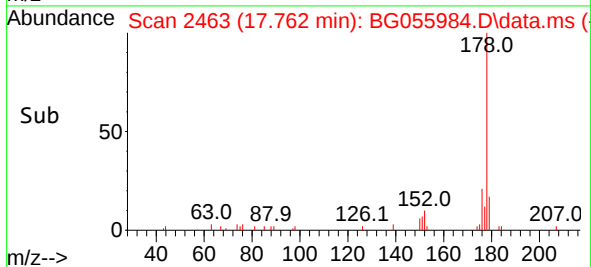
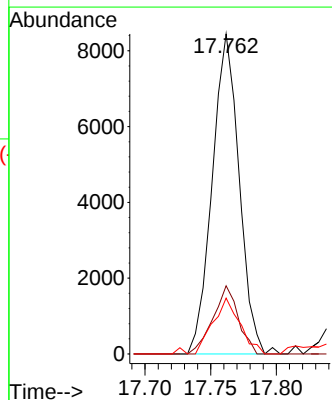
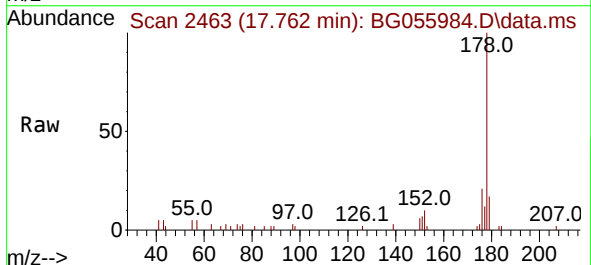
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

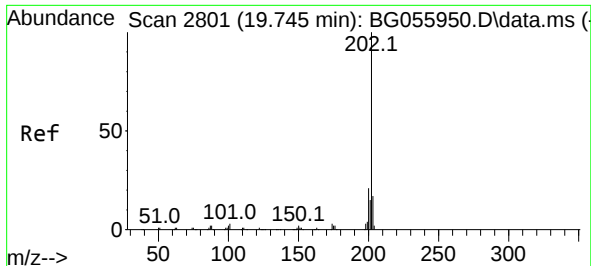
Tgt Ion:188 Resp: 70461
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 2.2 2.4 3.6#



#71
Phenanthrene
Concen: 3.262 ng
RT: 17.762 min Scan# 2463
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:178 Resp: 12045
Ion Ratio Lower Upper
178 100
176 21.3 14.4 21.6
179 17.5 12.7 19.1

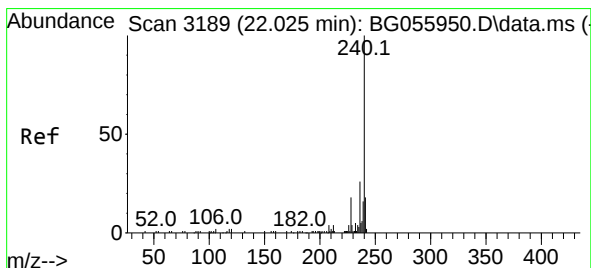
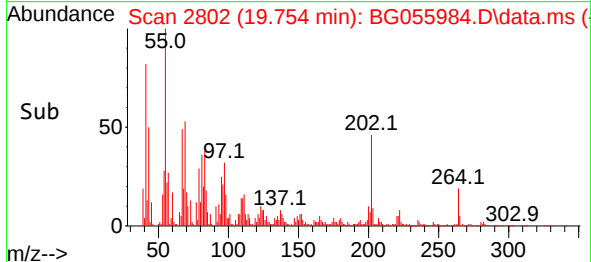
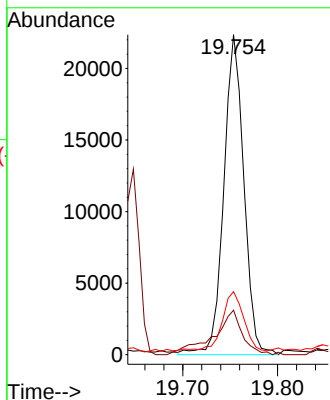
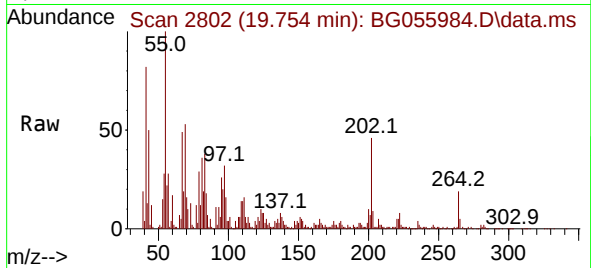




#75
Fluoranthene
Concen: 6.362 ng
RT: 19.754 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

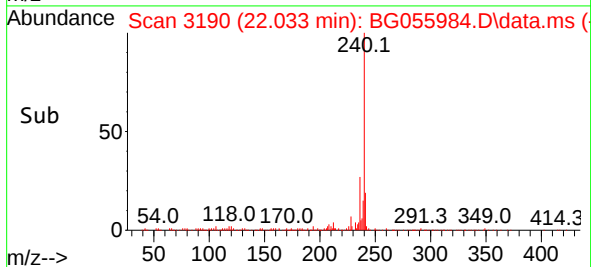
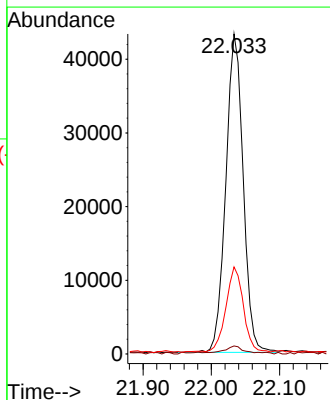
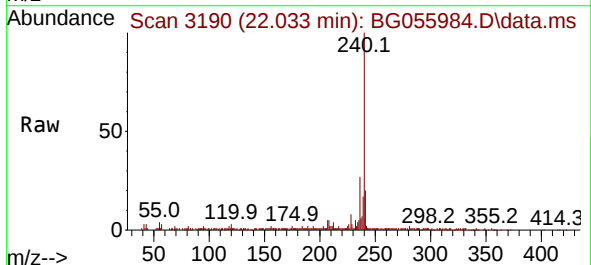
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

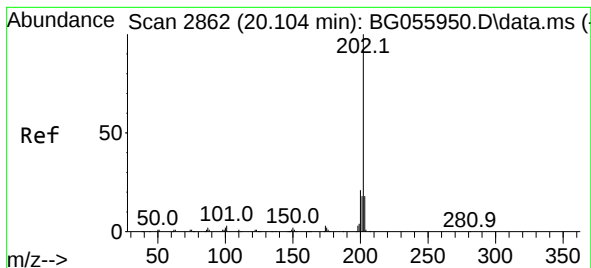
Tgt Ion:202 Resp: 32895
Ion Ratio Lower Upper
202 100
101 13.9 0.0 22.6
203 19.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.033 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:240 Resp: 76684
Ion Ratio Lower Upper
240 100
120 2.5 1.7 2.5
236 27.2 21.1 31.7





#78

Pyrene

Concen: 6.496 ng

RT: 20.118 min Scan# 2864

Delta R.T. 0.014 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

HR-02-121322

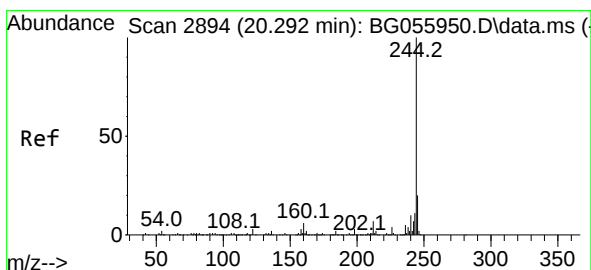
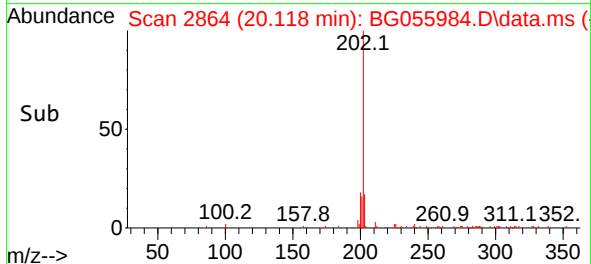
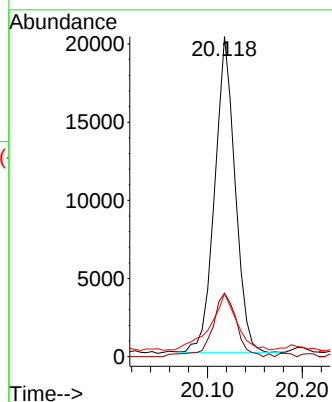
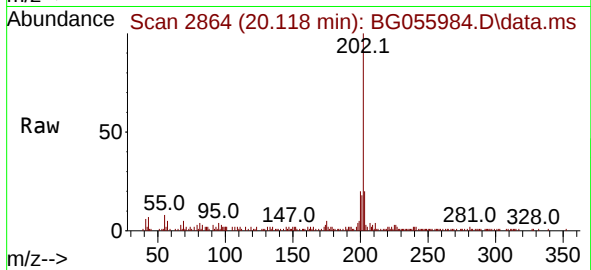
Tgt Ion:202 Resp: 30142

Ion Ratio Lower Upper

202 100

200 19.8 16.7 25.1

203 19.7 14.6 21.8



#79

Terphenyl-d14

Concen: 30.842 ng

RT: 20.306 min Scan# 2896

Delta R.T. 0.014 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

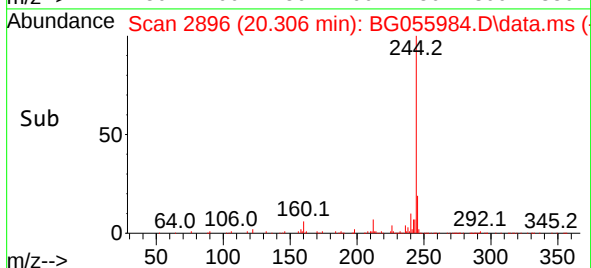
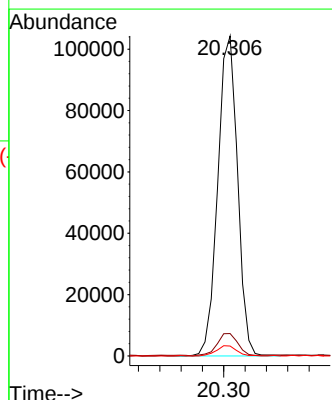
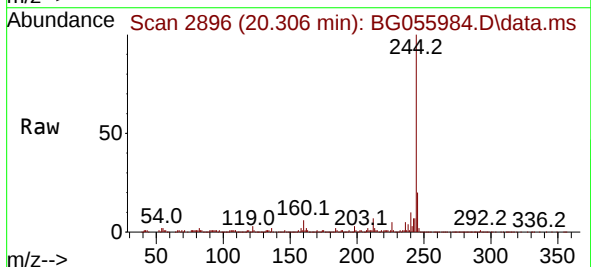
Tgt Ion:244 Resp: 133817

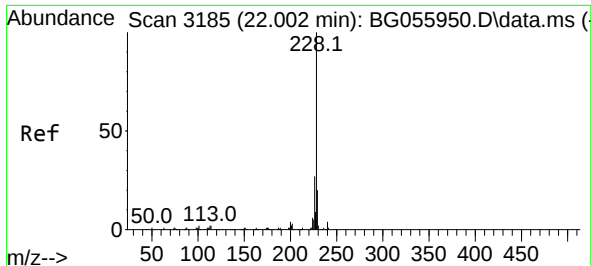
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 3.1 2.5 3.7

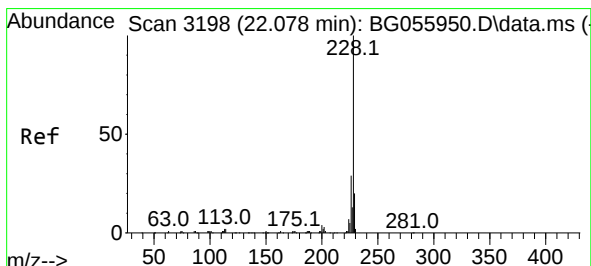
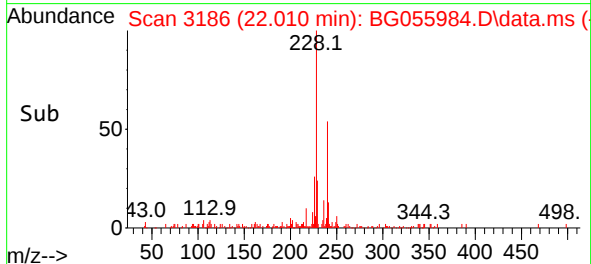
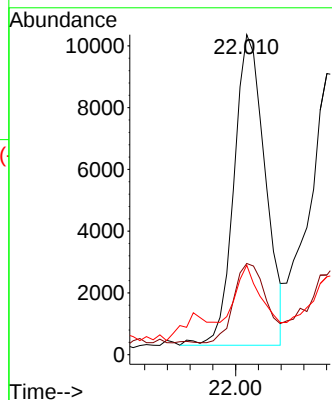
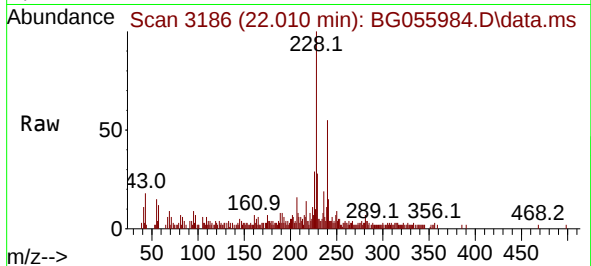




#81
Benzo(a)anthracene
Concen: 3.560 ng
RT: 22.010 min Scan# 3185
Delta R.T. 0.008 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

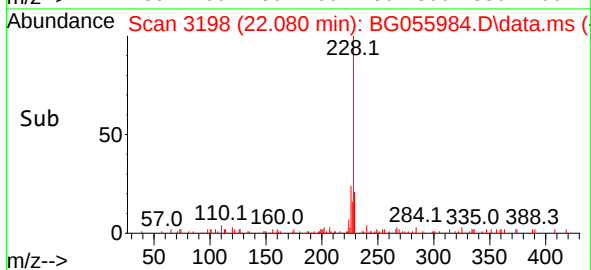
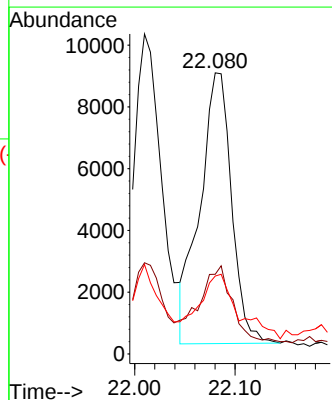
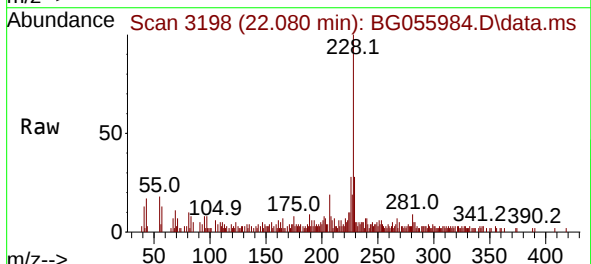
Instrument :
BNA_G
ClientSampleId :
HR-02-121322

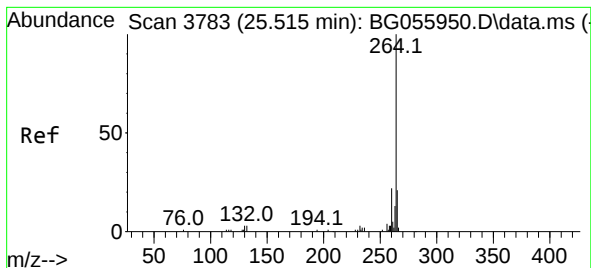
Tgt Ion:228 Resp: 19211
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.6
229 28.0 15.9 23.9#



#83
Chrysene
Concen: 3.818 ng
RT: 22.080 min Scan# 3198
Delta R.T. 0.002 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:228 Resp: 19311
Ion Ratio Lower Upper
228 100
226 28.3 23.1 34.7
229 27.7 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.541 min Scan# 31

Delta R.T. 0.026 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

Instrument :

BNA_G

ClientSampleId :

HR-02-121322

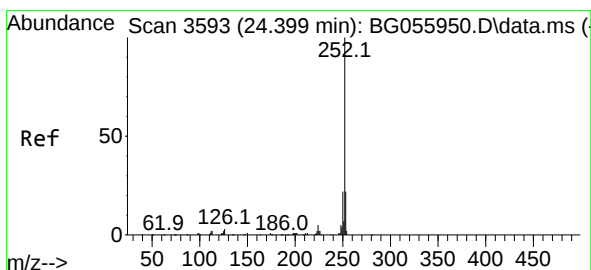
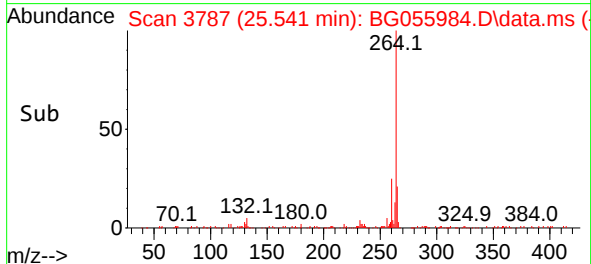
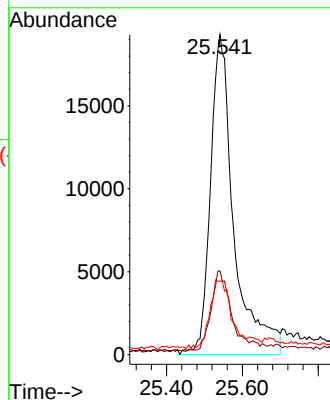
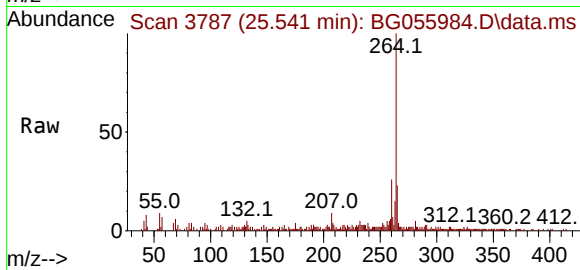
Tgt Ion:264 Resp: 82777

Ion Ratio Lower Upper

264 100

260 26.2 17.8 26.8

265 23.0 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.363 ng

RT: 24.419 min Scan# 3596

Delta R.T. 0.020 min

Lab File: BG055984.D

Acq: 15 Dec 2022 19:52

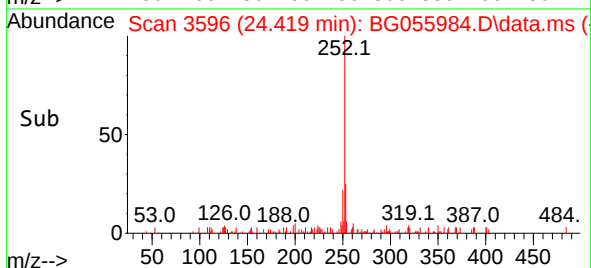
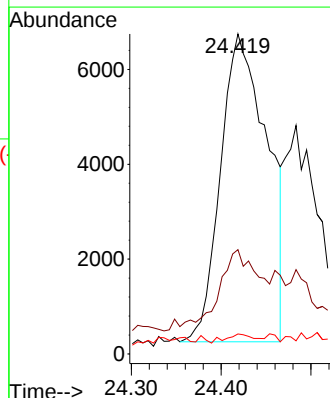
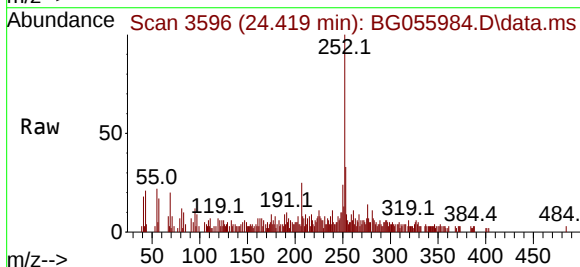
Tgt Ion:252 Resp: 23374

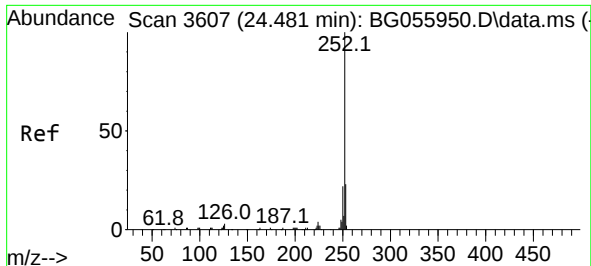
Ion Ratio Lower Upper

252 100

253 32.6 17.4 26.0#

125 6.3 1.8 2.8#

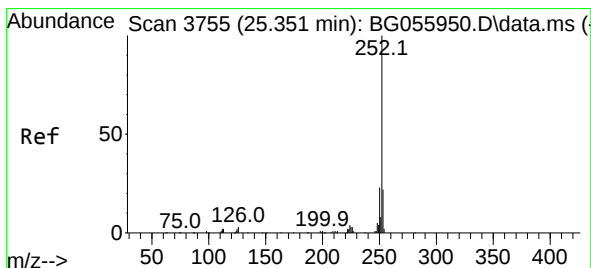
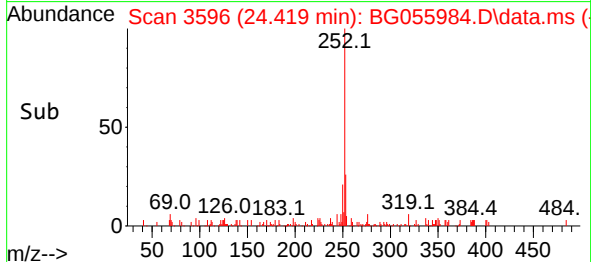
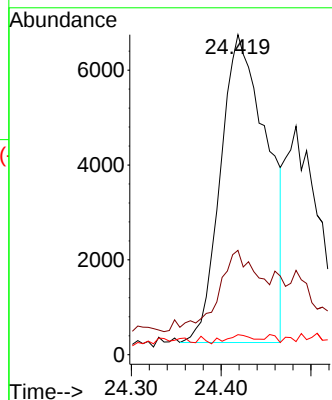
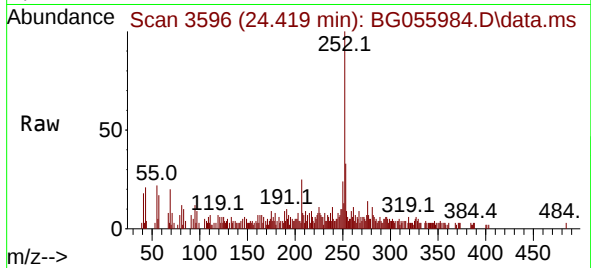




#89
Benzo(k)fluoranthene
Concen: 4.373 ng
RT: 24.419 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Instrument :
BNA_G
ClientSampleId :
HR-02-121322

Tgt Ion:252 Resp: 23374
Ion Ratio Lower Upper
252 100
253 32.6 18.2 27.2#
125 6.3 2.0 3.0#



#90
Benzo(a)pyrene
Concen: 3.701 ng
RT: 25.365 min Scan# 3757
Delta R.T. 0.014 min
Lab File: BG055984.D
Acq: 15 Dec 2022 19:52

Tgt Ion:252 Resp: 16760
Ion Ratio Lower Upper
252 100
253 30.7 17.7 26.5#
125 5.4 1.9 2.9#

