

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG055996.D
 Acq On : 16 Dec 2022 16:24
 Operator : CG/JU
 Sample : N6037-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(7-9)

Quant Time: Dec 17 01:21:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

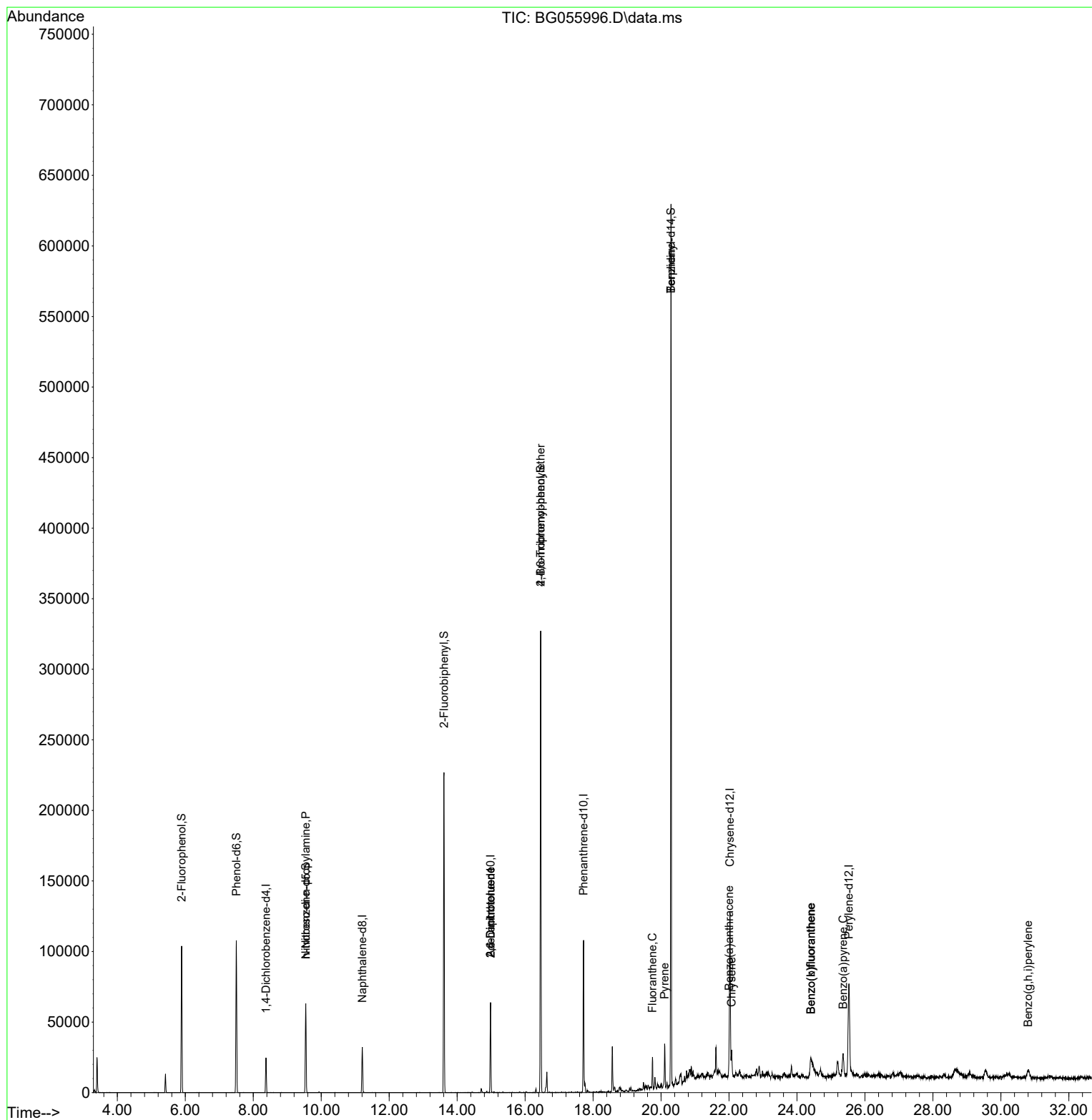
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	7709	20.000	ng	0.00
21) Naphthalene-d8	11.209	136	28550	20.000	ng	# 0.00
39) Acenaphthene-d10	14.981	164	25161	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	77907	20.000	ng	# 0.00
76) Chrysene-d12	22.025	240	76192	20.000	ng	0.00
86) Perylene-d12	25.527	264	91750	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.891	112	42773	130.121	ng	0.00
7) Phenol-d6	7.501	99	51947	122.871	ng	0.00
23) Nitrobenzene-d5	9.546	82	32952	80.657	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	87760	144.650	ng	0.00
45) 2-Fluorobiphenyl	13.612	172	130091	72.513	ng	0.00
79) Terphenyl-d14	20.292	244	337765	78.350	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.546	70	5226	17.245	ng	# 62
51) 2,6-Dinitrotoluene	14.981	165	3341	9.925	ng	# 25
57) 2,4-Dinitrotoluene	14.981	165	3341	6.575	ng	# 35
67) 4-Bromophenyl-phenylether	16.455	248	5081	4.451	ng	# 1
75) Fluoranthene	19.746	202	15555	2.721	ng	95
77) Benzidine	20.292	184	5253	3.926	ng	# 87
78) Pyrene	20.104	202	23085	5.007	ng	96
81) Benzo(a)anthracene	22.002	228	13059	2.436	ng	98
83) Chrysene	22.072	228	16720	3.327	ng	95
88) Benzo(b)fluoranthene	24.411	252	23089	3.888	ng	# 95
89) Benzo(k)fluoranthene	24.411	252	23089	3.897	ng	# 97
90) Benzo(a)pyrene	25.357	252	19120	3.809	ng	# 94
92) Benzo(g,h,i)perylene	30.803	276	14910	2.497	ng	# 81

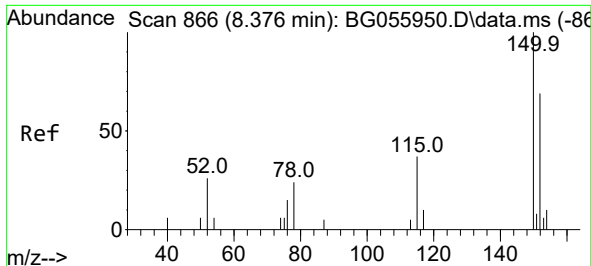
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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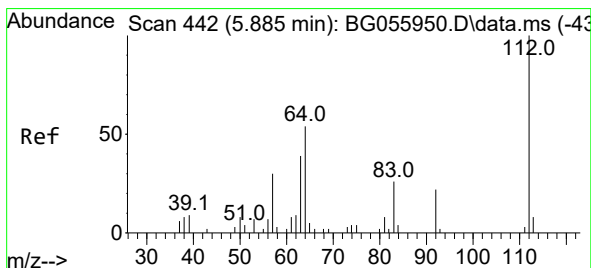
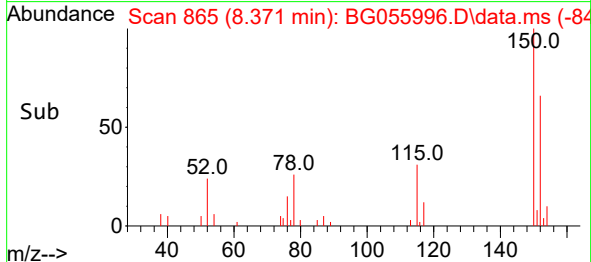
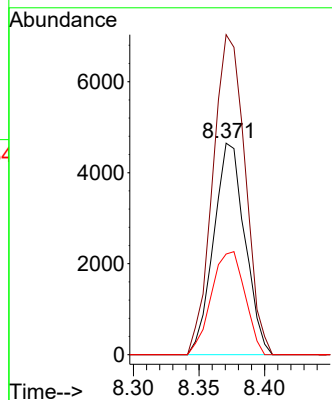
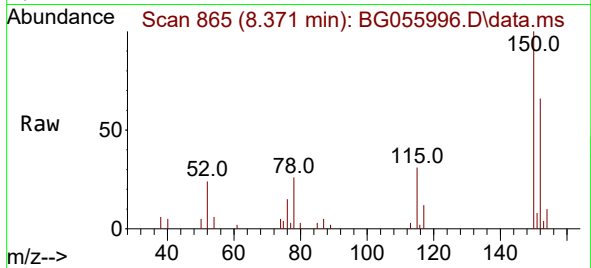




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 866
Delta R.T. -0.005 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

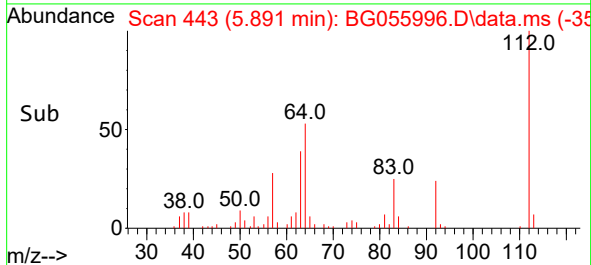
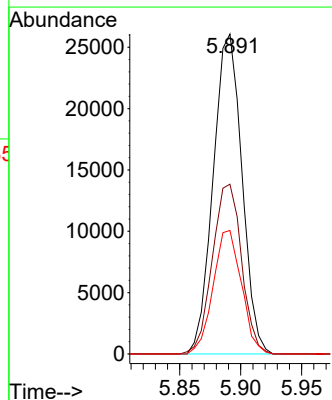
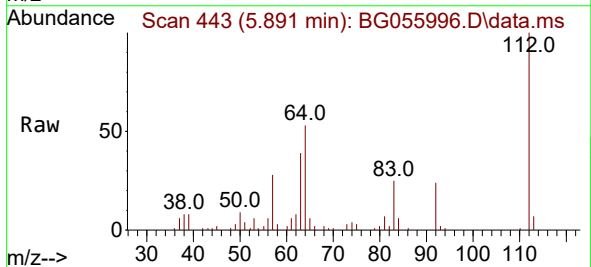
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

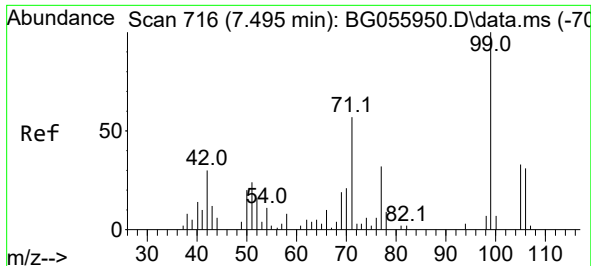
Tgt Ion:152 Resp: 7709
Ion Ratio Lower Upper
152 100
150 151.3 115.7 173.5
115 47.6 43.0 64.4



#5
2-Fluorophenol
Concen: 130.121 ng
RT: 5.891 min Scan# 443
Delta R.T. 0.006 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:112 Resp: 42773
Ion Ratio Lower Upper
112 100
64 53.1 43.0 64.4
63 38.6 31.4 47.2

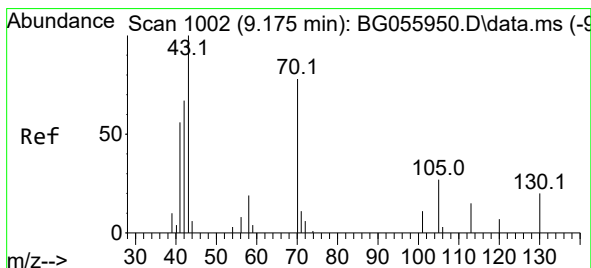
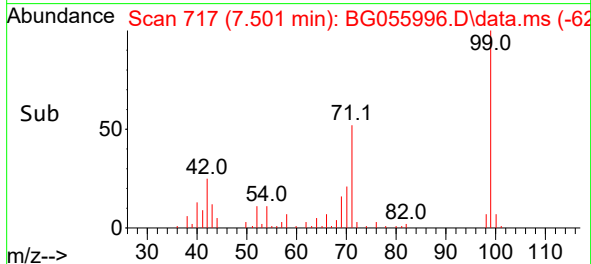
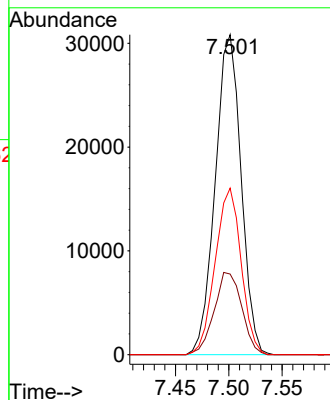
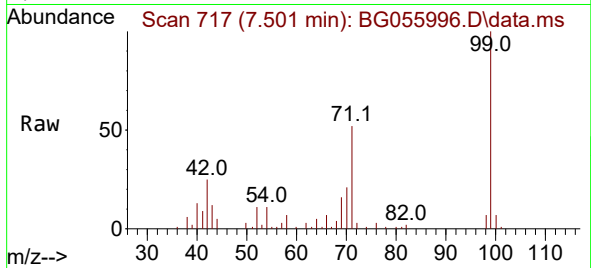




#7
Phenol-d6
Concen: 122.871 ng
RT: 7.501 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

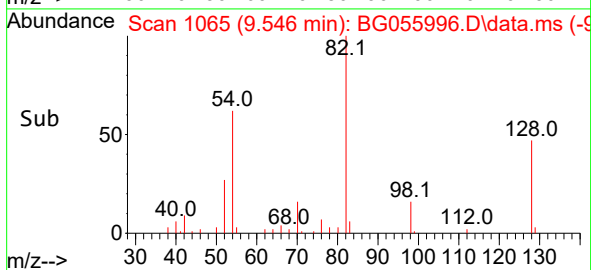
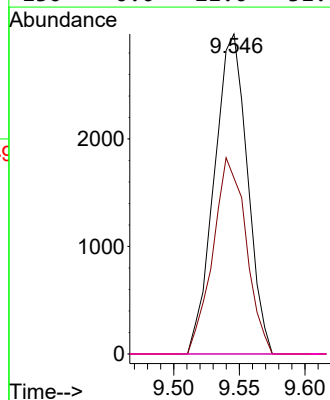
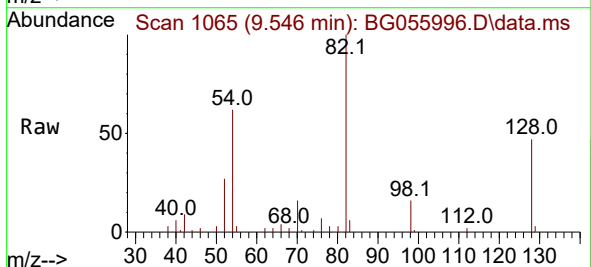
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

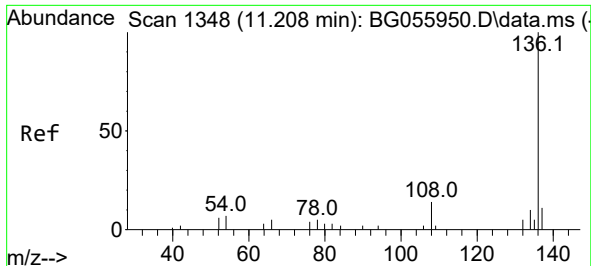
Tgt Ion: 99 Resp: 51947
Ion Ratio Lower Upper
99 100
42 25.2 24.3 36.5
71 52.1 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.245 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.370 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion: 70 Resp: 5226
Ion Ratio Lower Upper
70 100
42 55.0 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

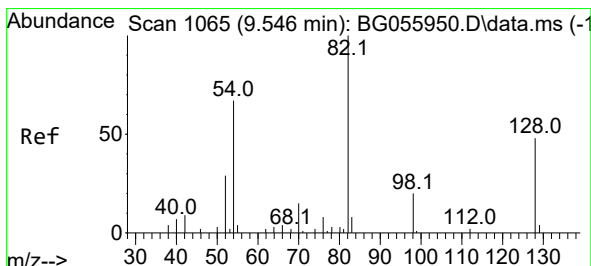
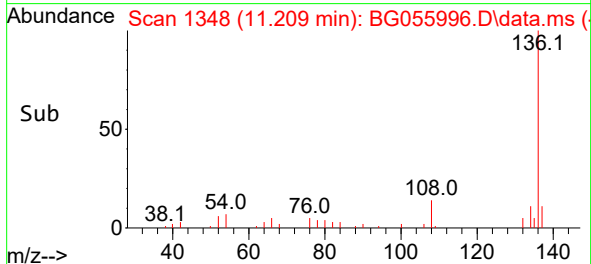
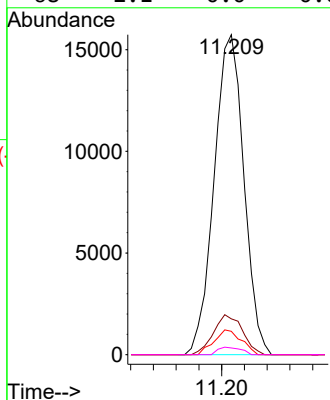
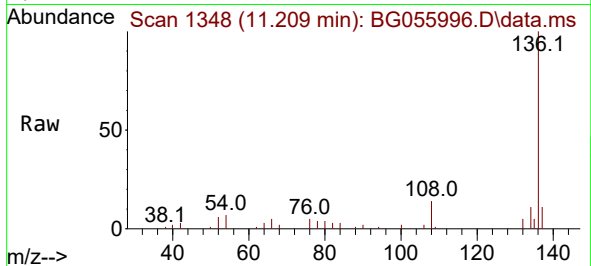




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.209 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

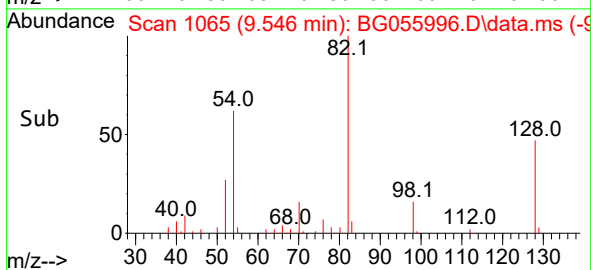
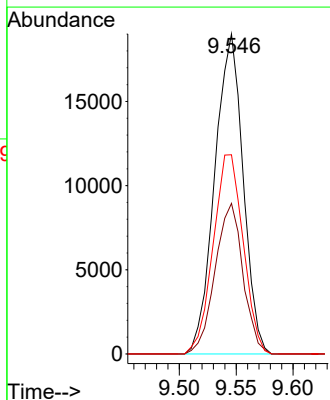
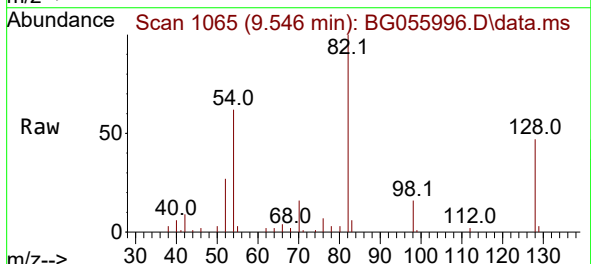
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

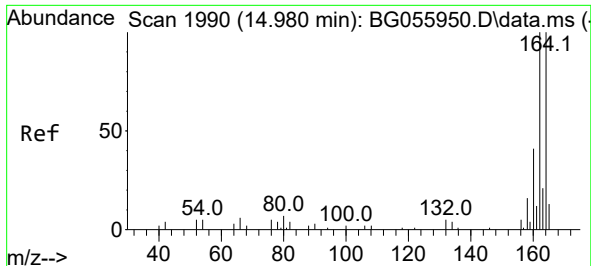
Tgt Ion:	136	Resp:	28550
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	7.3	5.6	8.4
68	2.1	0.0	0.0



#23
Nitrobenzene-d5
Concen: 80.657 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.000 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:	82	Resp:	32952
Ion Ratio	Lower	Upper	
82	100		
128	47.1	38.4	57.6
54	62.2	53.3	79.9

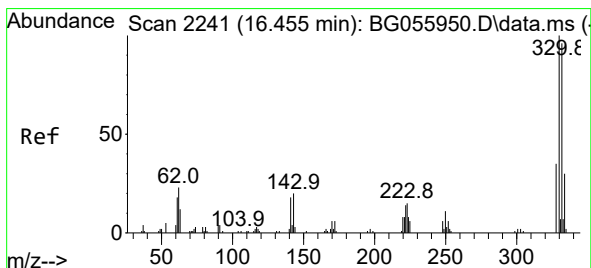
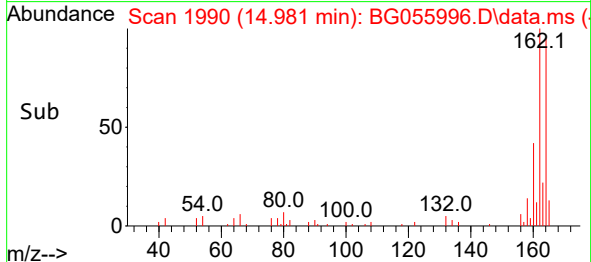
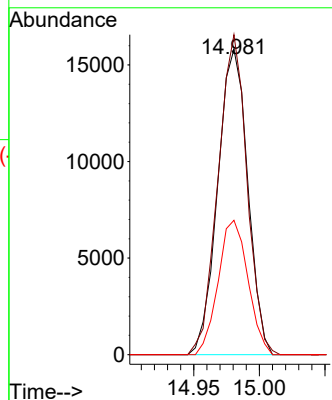
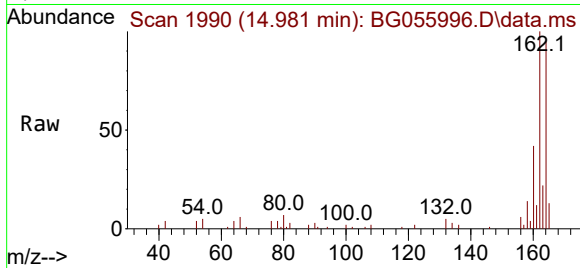




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.981 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

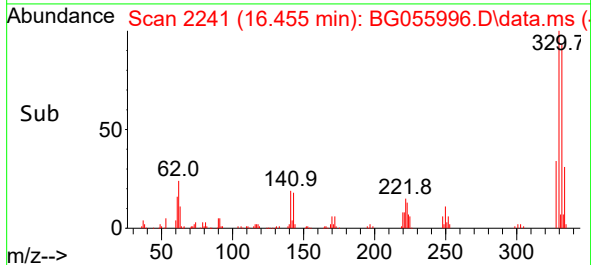
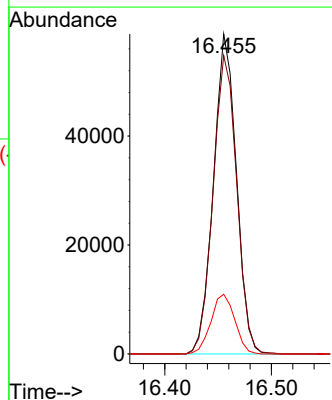
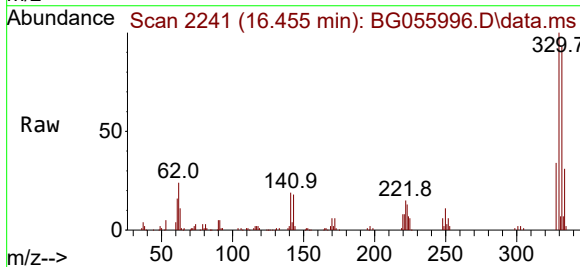
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

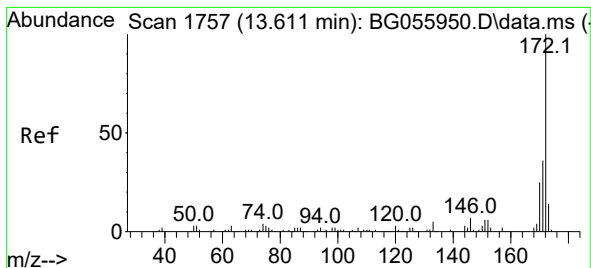
Tgt Ion:164 Resp: 25161
Ion Ratio Lower Upper
164 100
162 104.8 79.8 119.8
160 44.0 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 144.650 ng
RT: 16.455 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:330 Resp: 87760
Ion Ratio Lower Upper
330 100
332 96.0 76.6 114.8
141 19.4 15.0 22.4

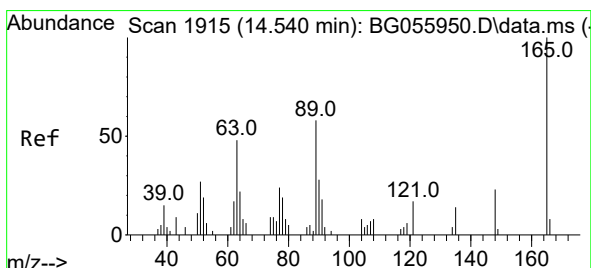
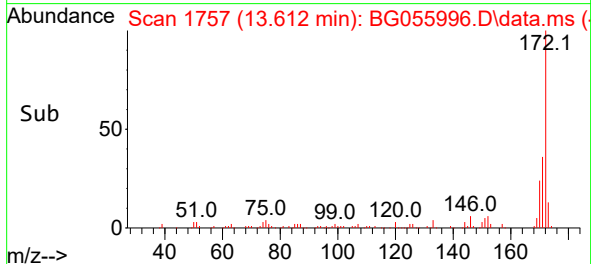
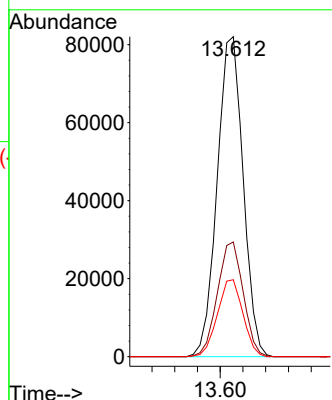
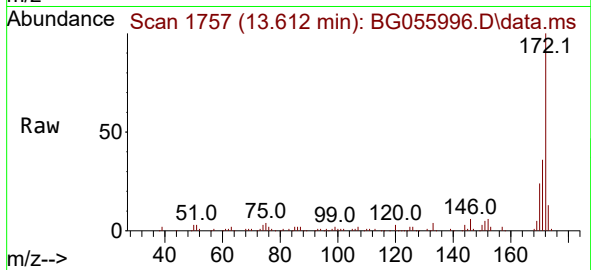




#45
2-Fluorobiphenyl
Concen: 72.513 ng
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

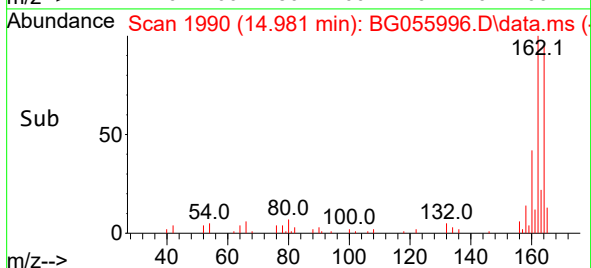
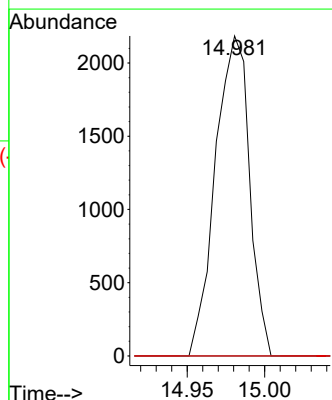
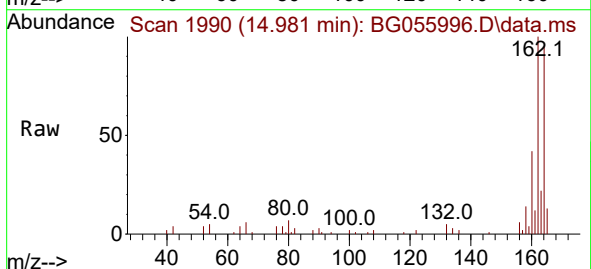
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

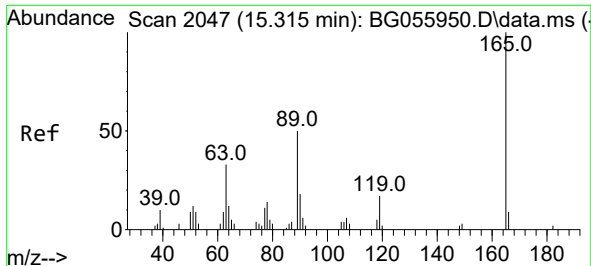
Tgt Ion:172 Resp: 130091
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.1 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.925 ng
RT: 14.981 min Scan# 1990
Delta R.T. 0.435 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:165 Resp: 3341
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: 6.575 ng

RT: 14.981 min Scan# 1990

Delta R.T. -0.341 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

Instrument :

BNA_G

ClientSampleId :

RB-25-(7-9)

Tgt Ion:165 Resp: 3341

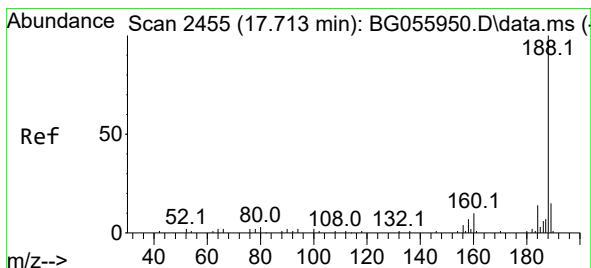
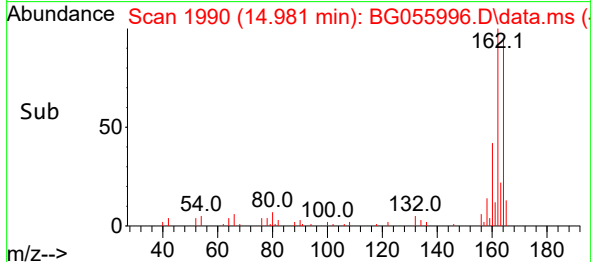
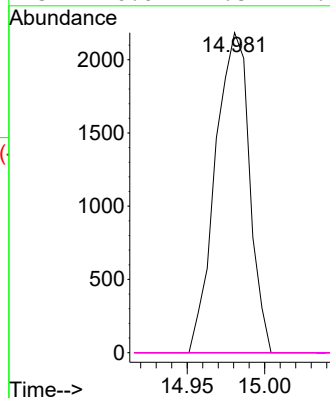
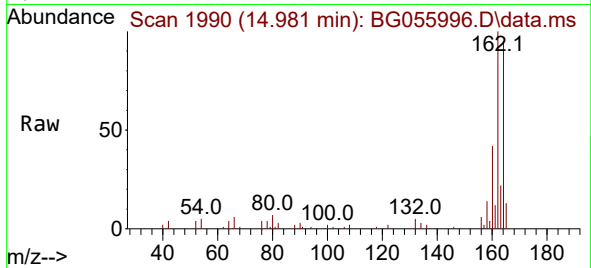
Ion Ratio Lower Upper

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: 17.719 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

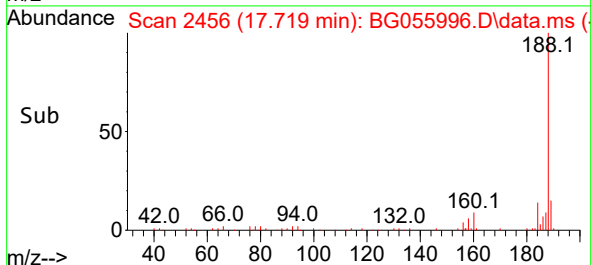
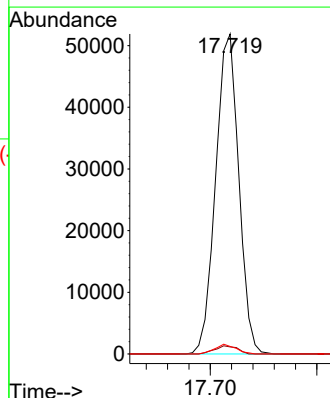
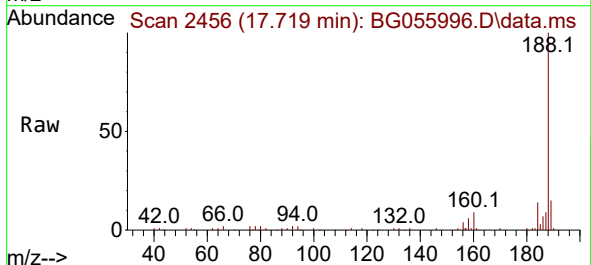
Tgt Ion:188 Resp: 77907

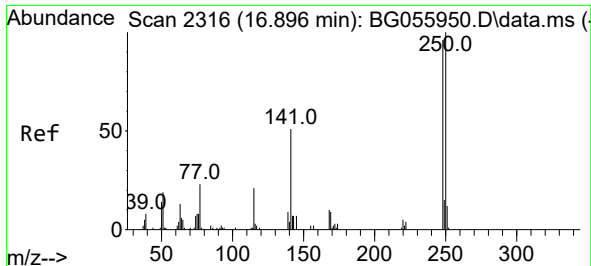
Ion Ratio Lower Upper

188 100

94 2.2 1.8 2.8

80 2.3 2.4 3.6#





#67

4-Bromophenyl-phenylether

Concen: 4.451 ng

RT: 16.455 min Scan# 21

Delta R.T. -0.446 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

Instrument :

BNA_G

ClientSampleId :

RB-25-(7-9)

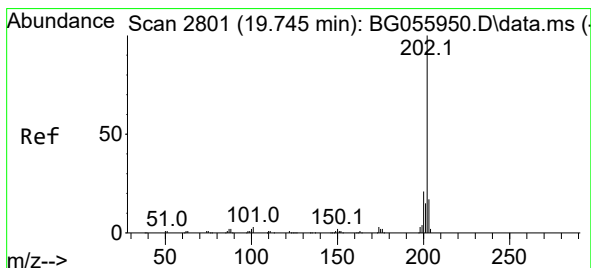
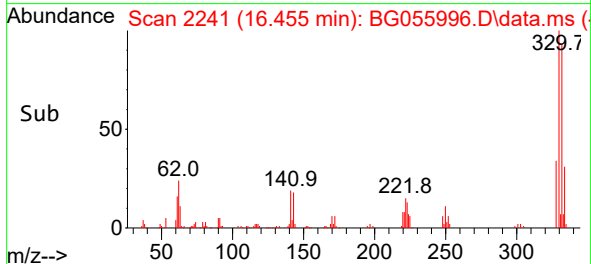
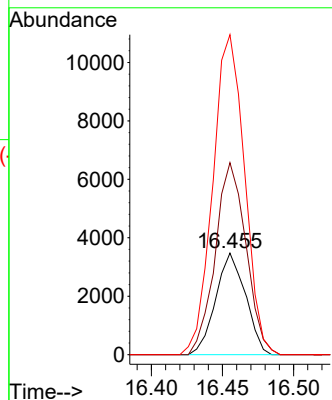
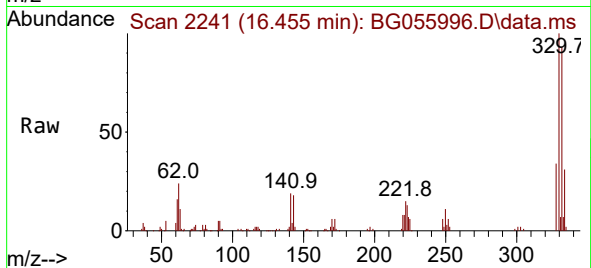
Tgt Ion:248 Resp: 5081

Ion Ratio Lower Upper

248 100

250 188.8 83.0 124.6#

141 314.7 42.6 64.0#



#75

Fluoranthene

Concen: 2.721 ng

RT: 19.746 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

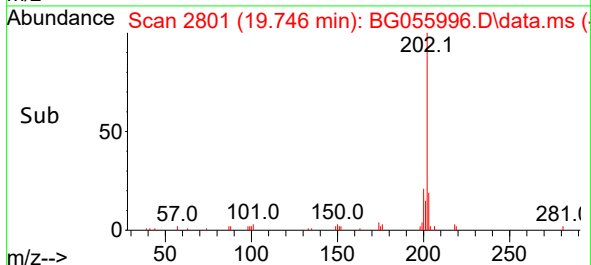
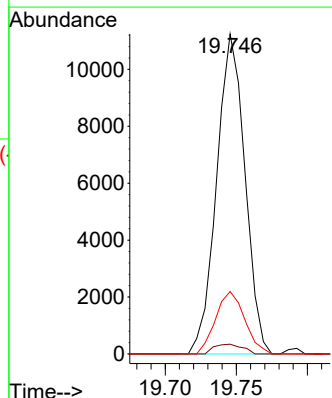
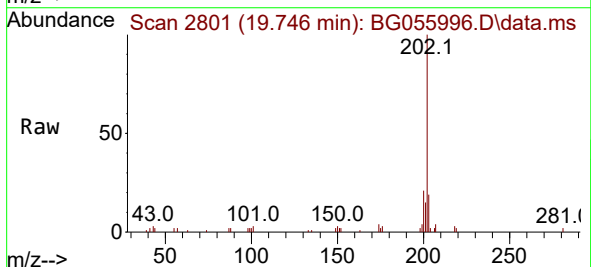
Tgt Ion:202 Resp: 15555

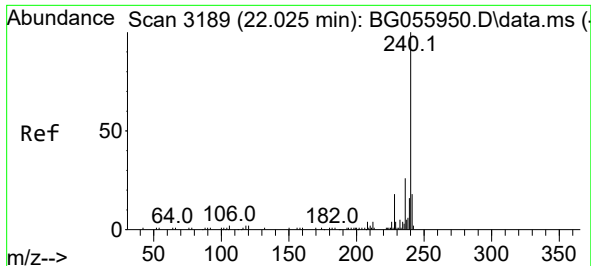
Ion Ratio Lower Upper

202 100

101 3.0 0.0 22.6

203 19.5 0.0 37.1

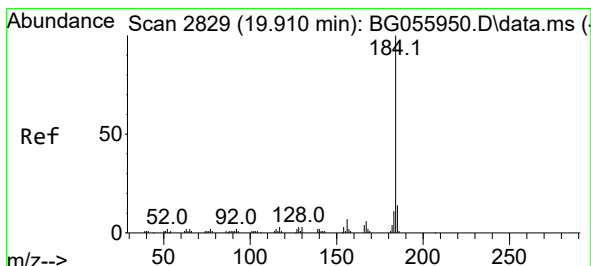
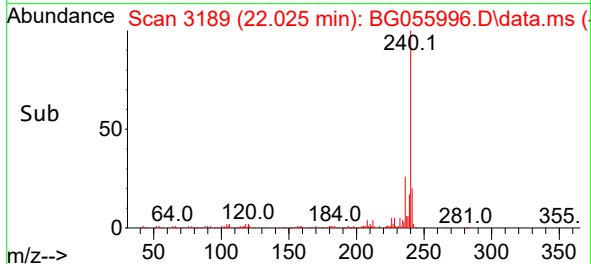
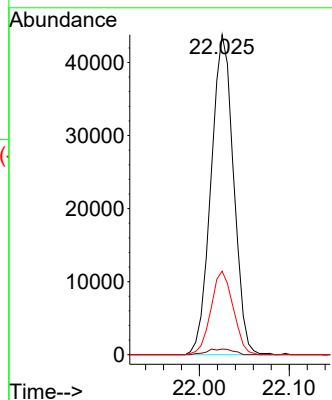
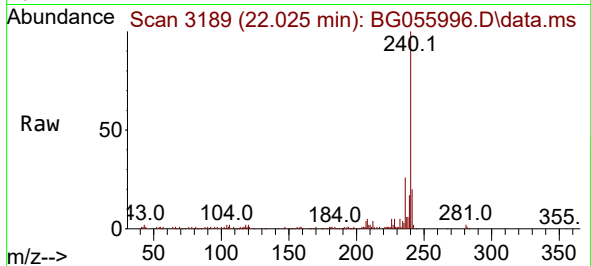




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

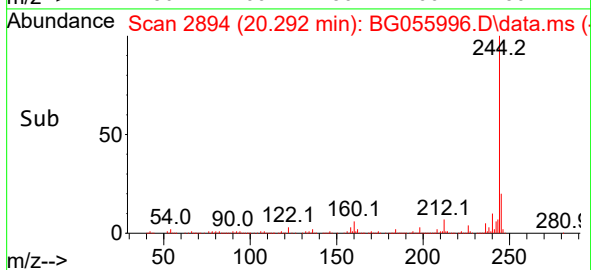
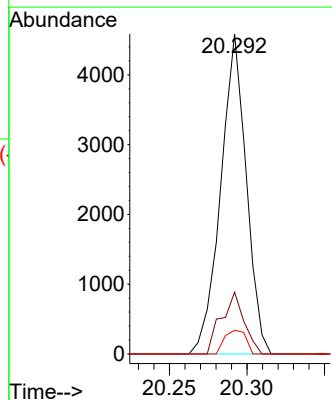
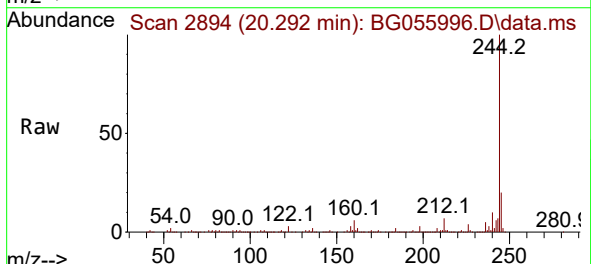
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

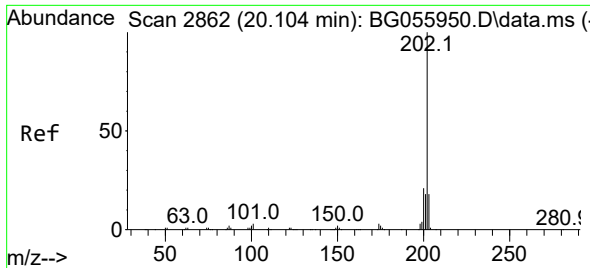
Tgt Ion:240 Resp: 76192
Ion Ratio Lower Upper
240 100
120 2.4 1.7 2.5
236 26.1 21.1 31.7



#77
Benzidine
Concen: 3.926 ng
RT: 20.292 min Scan# 2894
Delta R.T. 0.376 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:184 Resp: 5253
Ion Ratio Lower Upper
184 100
185 19.4 10.9 16.3#
183 7.4 9.2 13.8#

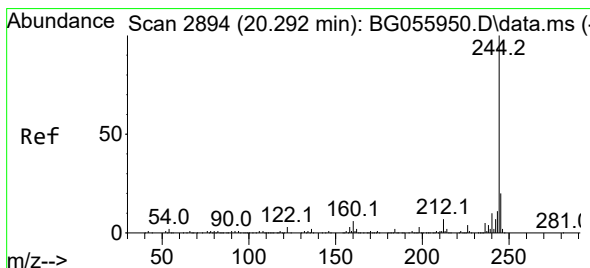
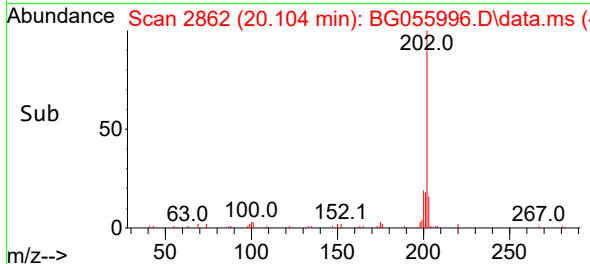
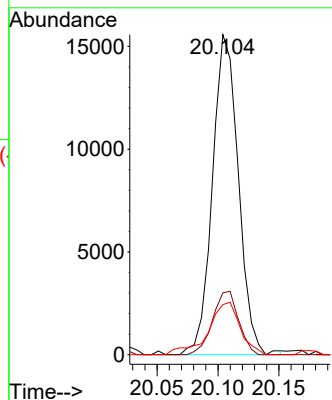
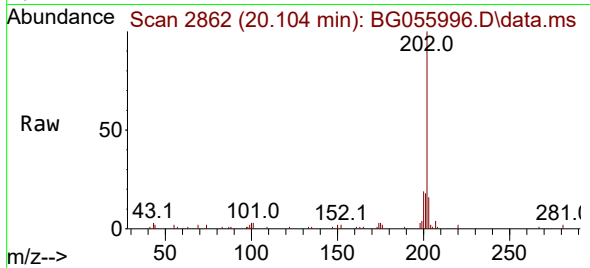




#78
 Pyrene
 Concen: 5.007 ng
 RT: 20.104 min Scan# 2862
 Delta R.T. -0.006 min
 Lab File: BG055996.D
 Acq: 16 Dec 2022 16:24

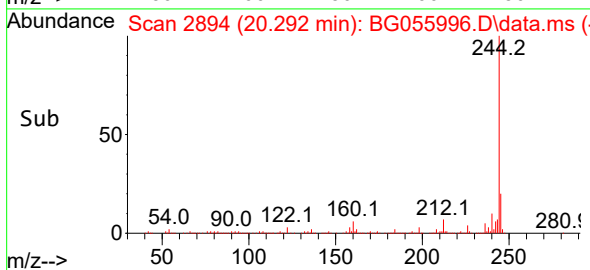
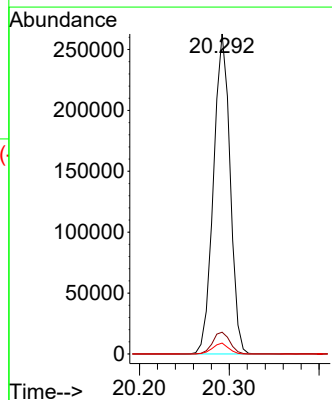
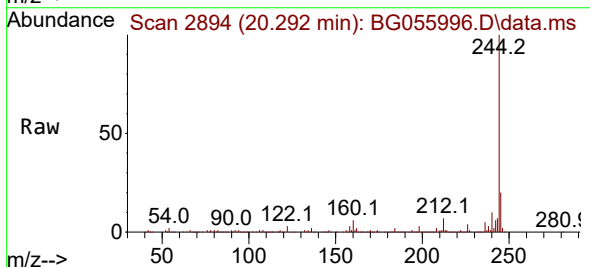
Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(7-9)

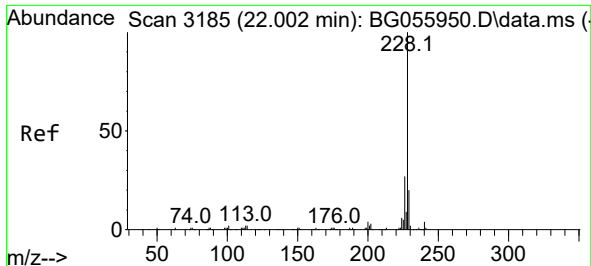
Tgt Ion:	202	Resp:	23085
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.7	25.1
203	15.6	14.6	21.8



#79
 Terphenyl-d14
 Concen: 78.350 ng
 RT: 20.292 min Scan# 2894
 Delta R.T. 0.000 min
 Lab File: BG055996.D
 Acq: 16 Dec 2022 16:24

Tgt Ion:	244	Resp:	337765
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.6
122	3.4	2.5	3.7

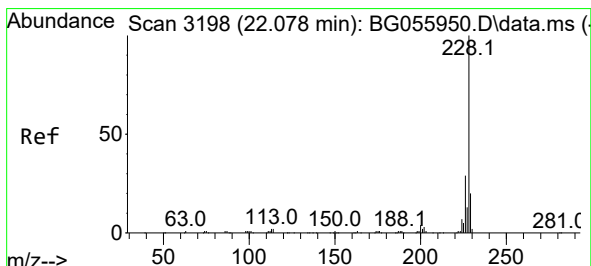
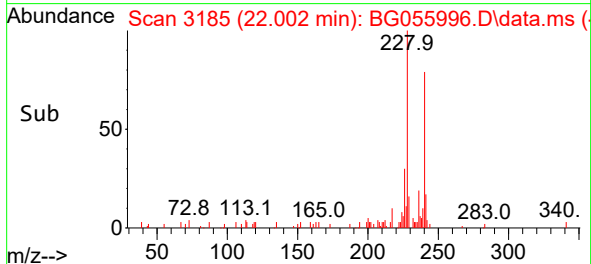
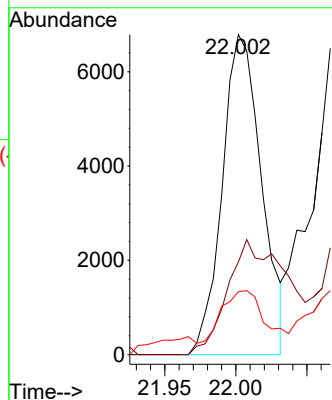
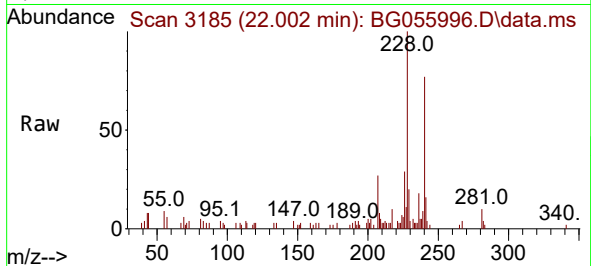




#81
Benzo(a)anthracene
Concen: 2.436 ng
RT: 22.002 min Scan# 3185
Delta R.T. -0.006 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

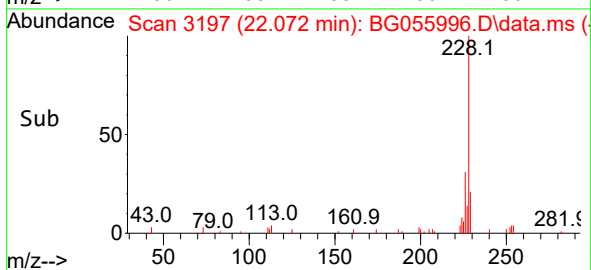
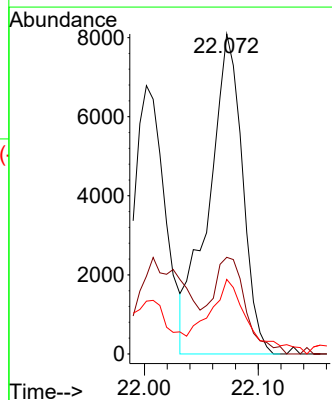
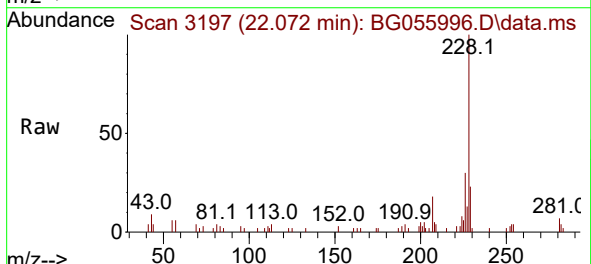
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

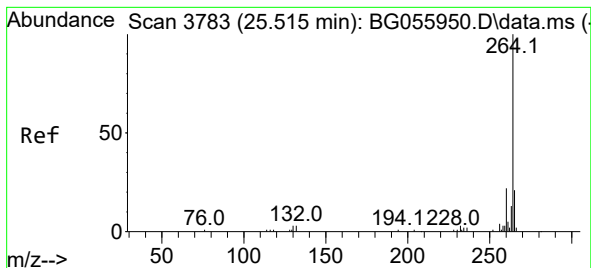
Tgt Ion:228 Resp: 13059
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.6
229 19.7 15.9 23.9



#83
Chrysene
Concen: 3.327 ng
RT: 22.072 min Scan# 3197
Delta R.T. -0.012 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

Tgt Ion:228 Resp: 16720
Ion Ratio Lower Upper
228 100
226 30.2 23.1 34.7
229 23.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

Instrument :

BNA_G

ClientSampleId :

RB-25-(7-9)

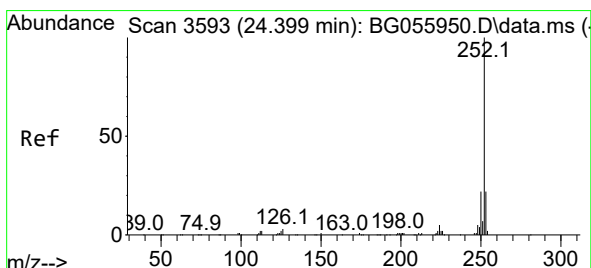
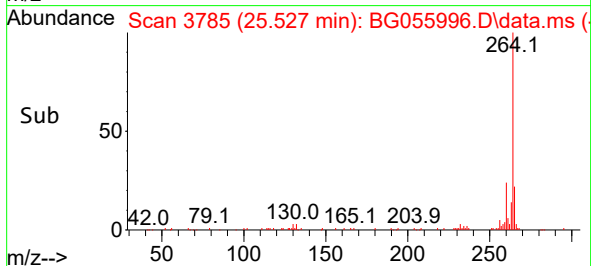
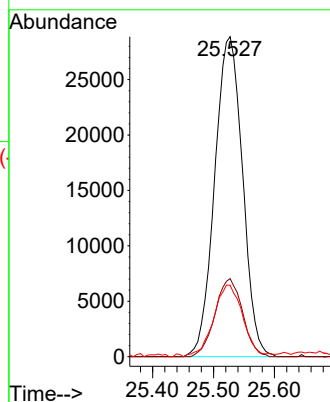
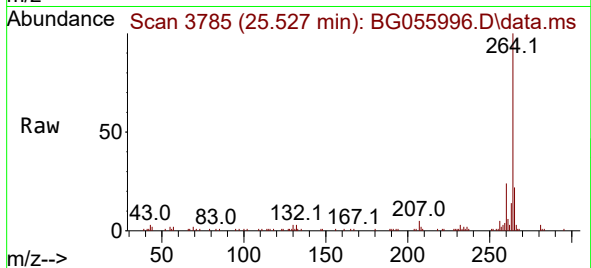
Tgt Ion:264 Resp: 91750

Ion Ratio Lower Upper

264 100

260 24.4 17.8 26.8

265 22.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.888 ng

RT: 24.411 min Scan# 3595

Delta R.T. -0.006 min

Lab File: BG055996.D

Acq: 16 Dec 2022 16:24

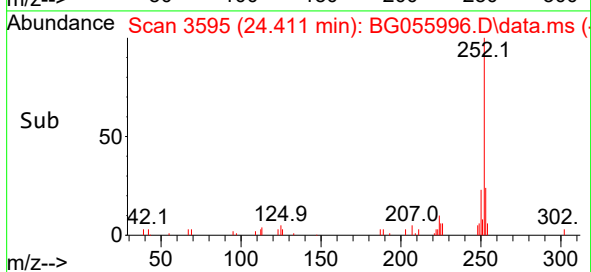
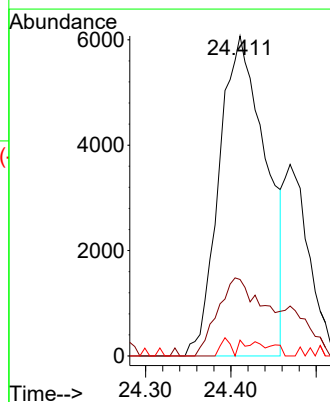
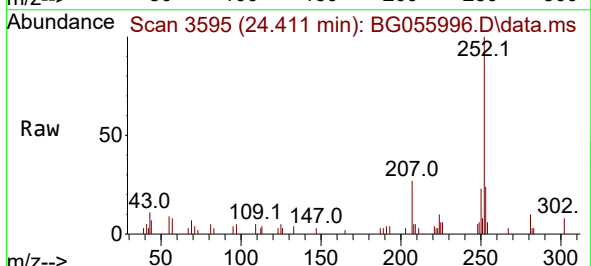
Tgt Ion:252 Resp: 23089

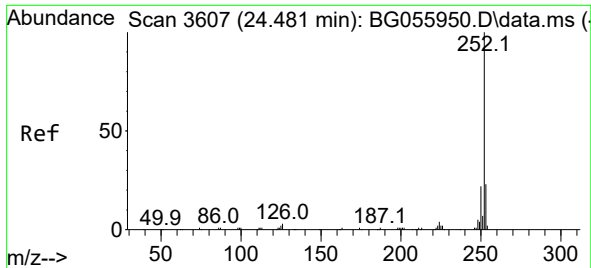
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 5.0 1.8 2.8#

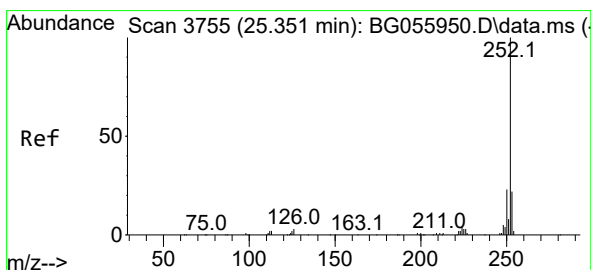
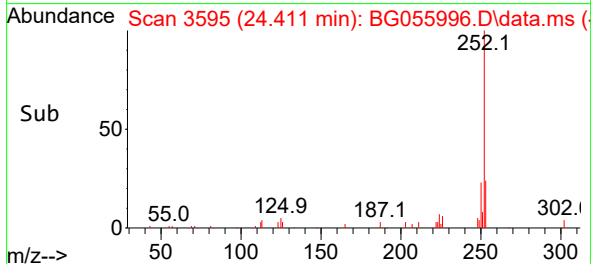
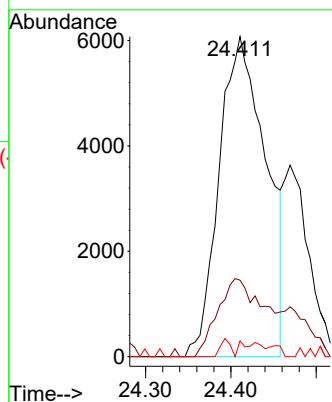
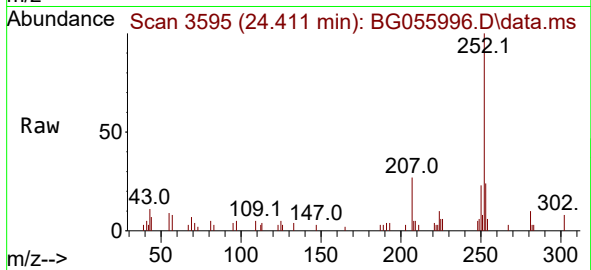




#89
Benzo(k)fluoranthene
Concen: 3.897 ng
RT: 24.411 min Scan# 31
Delta R.T. -0.076 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

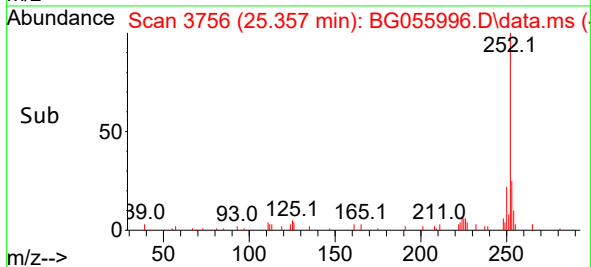
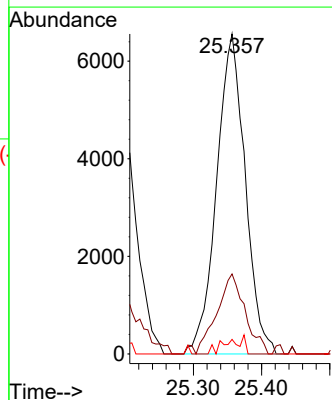
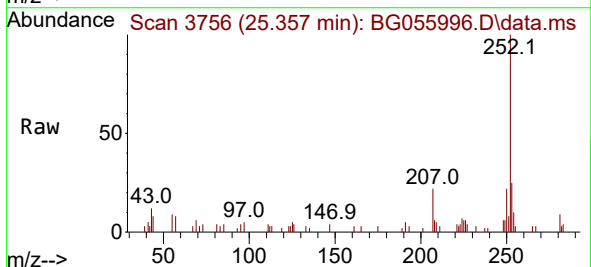
Instrument :
BNA_G
ClientSampleId :
RB-25-(7-9)

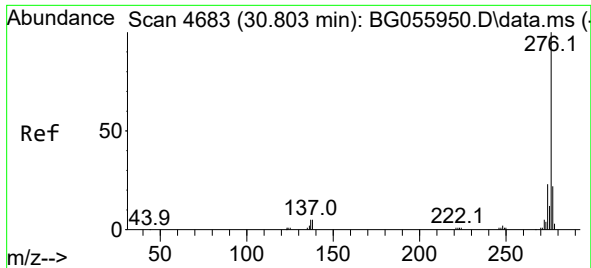
Tgt Ion:252 Resp: 23089
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 5.0 2.0 3.0#



#90
Benzo(a)pyrene
Concen: 3.809 ng
RT: 25.357 min Scan# 3756
Delta R.T. -0.017 min
Lab File: BG055996.D
Acq: 16 Dec 2022 16:24

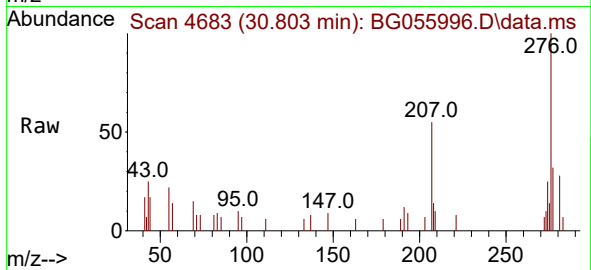
Tgt Ion:252 Resp: 19120
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 4.5 1.9 2.9#





#92
 Benzo(g,h,i)perylene
 Concen: 2.497 ng
 RT: 30.803 min Scan# 4
 Delta R.T. -0.035 min
 Lab File: BG055996.D
 Acq: 16 Dec 2022 16:24

Instrument :
 BNA_G
 ClientSampleId :
 RB-25-(7-9)



Tgt Ion:276 Resp: 14910
 Ion Ratio Lower Upper
 276 100
 277 31.7 17.8 26.6#
 138 0.0 3.8 5.6#

