

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
 Data File : BG055169.D
 Acq On : 13 Oct 2022 18:40
 Operator : CG/JU
 Sample : N5101-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-2-101122

Quant Time: Oct 14 01:27:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

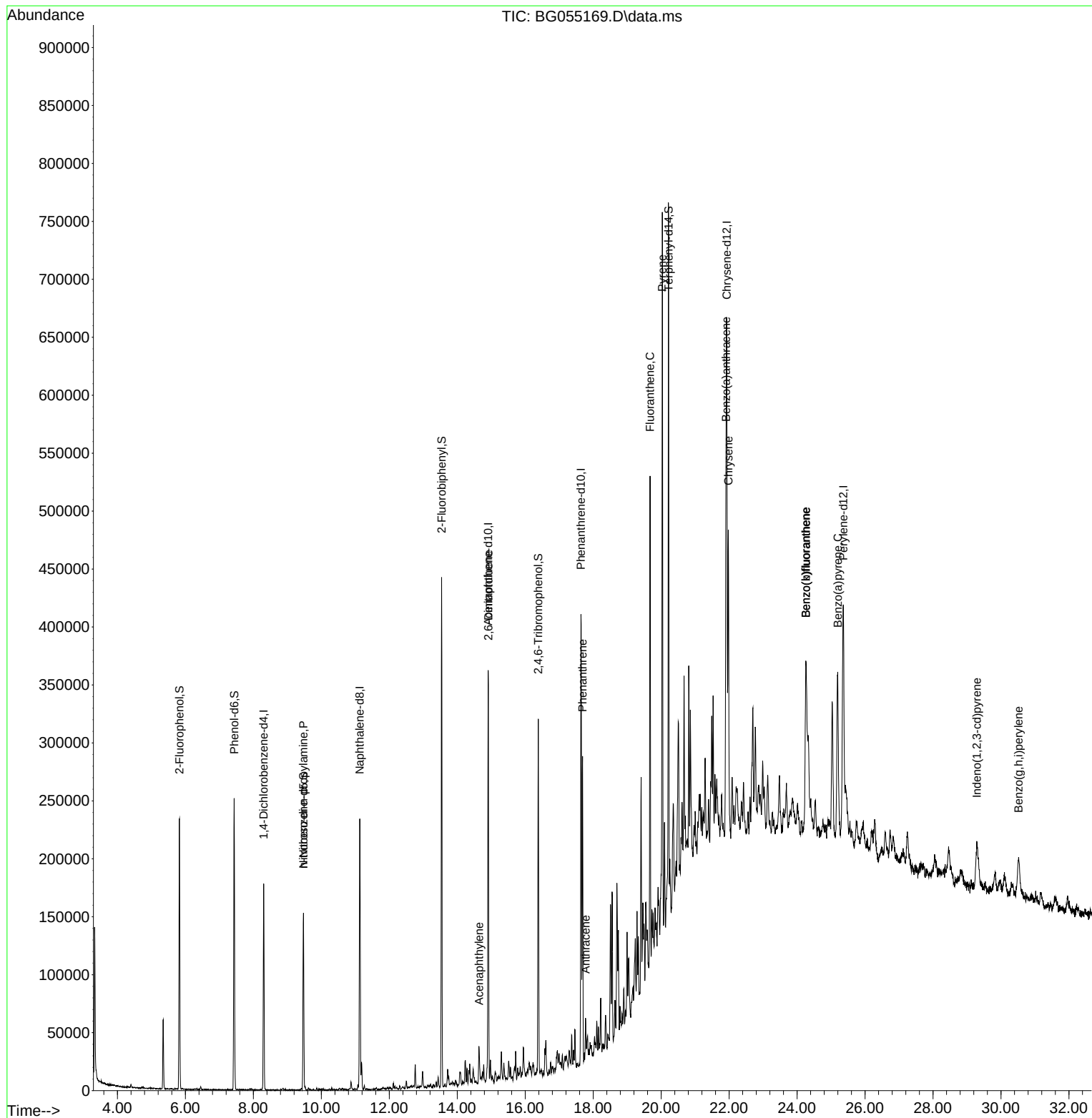
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	50821	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	203384	20.000	ng	0.00
39) Acenaphthene-d10	14.910	164	126270	20.000	ng	0.00
64) Phenanthrene-d10	17.642	188	254243	20.000	ng	0.00
76) Chrysene-d12	21.931	240	244505	20.000	ng	0.00
86) Perylene-d12	25.362	264	258881	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	104322	40.161	ng	0.00
7) Phenol-d6	7.436	99	140874	36.662	ng	0.00
23) Nitrobenzene-d5	9.475	82	92251	24.323	ng	0.00
42) 2,4,6-Tribromophenol	16.384	330	63929	35.235	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	219665	28.418	ng	0.00
79) Terphenyl-d14	20.221	244	314036	25.868	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.475	70	13293	4.287	ng	# 78
49) Acenaphthylene	14.645	152	32240	2.832	ng	97
51) 2,6-Dinitrotoluene	14.915	165	17228	8.248	ng	# 24
71) Phenanthrene	17.689	178	165346	12.538	ng	99
72) Anthracene	17.777	178	28678	2.225	ng	98
75) Fluoranthene	19.675	202	269319	16.337	ng	98
78) Pyrene	20.033	202	386694	23.724	ng	99
81) Benzo(a)anthracene	21.907	228	190866	12.201	ng	97
83) Chrysene	21.978	228	209730	14.212	ng	97
87) Indeno(1,2,3-cd)pyrene	29.293	276	88037	4.591	ng	# 85
88) Benzo(b)fluoranthene	24.263	252	229857	14.897	ng	# 96
89) Benzo(k)fluoranthene	24.263	252	229857	14.827	ng	# 96
90) Benzo(a)pyrene	25.198	252	195543	14.820	ng	97
92) Benzo(g,h,i)perylene	30.521	276	91727	5.901	ng	95

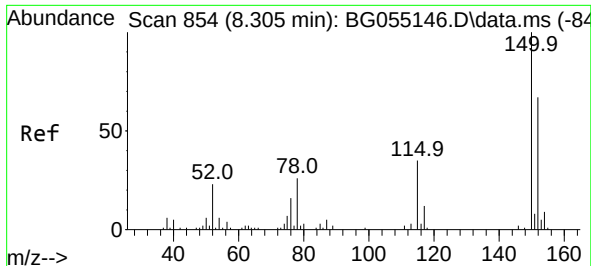
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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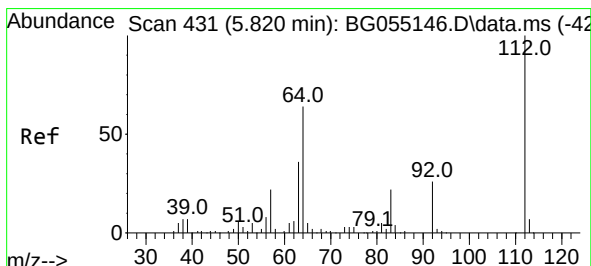
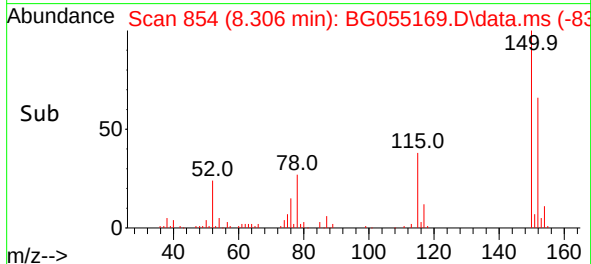
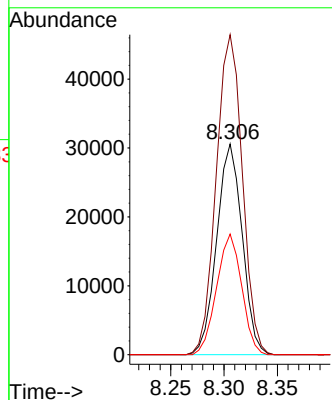
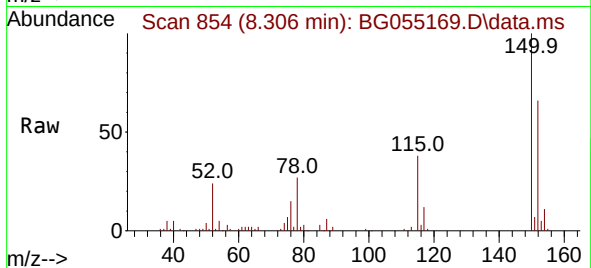




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

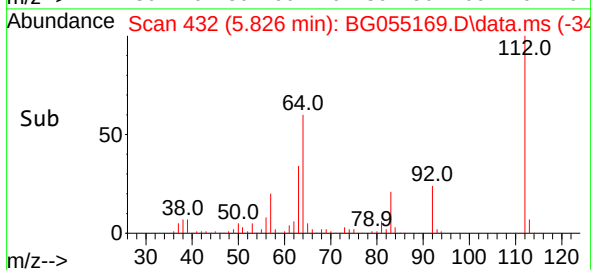
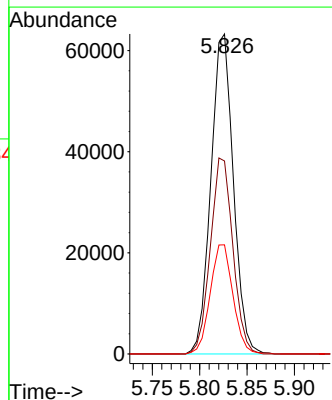
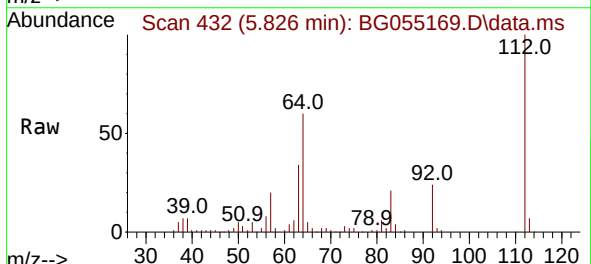
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

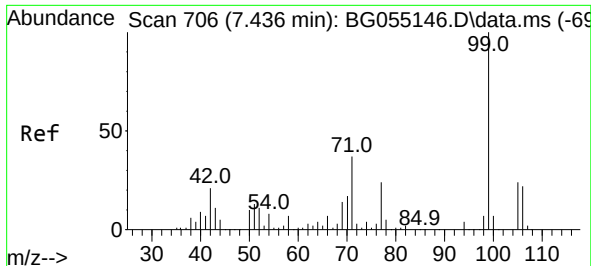
Tgt Ion:152 Resp: 50821
Ion Ratio Lower Upper
152 100
150 151.9 119.7 179.5
115 57.3 42.4 63.6



#5
2-Fluorophenol
Concen: 40.161 ng
RT: 5.826 min Scan# 432
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:112 Resp: 104322
Ion Ratio Lower Upper
112 100
64 60.3 50.9 76.3
63 34.1 29.0 43.6

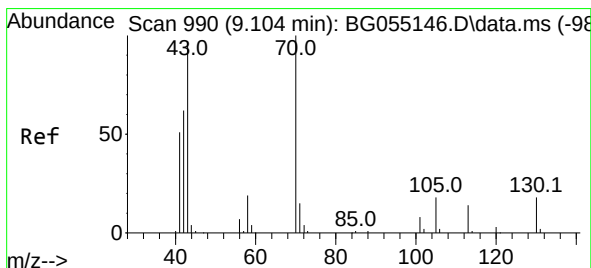
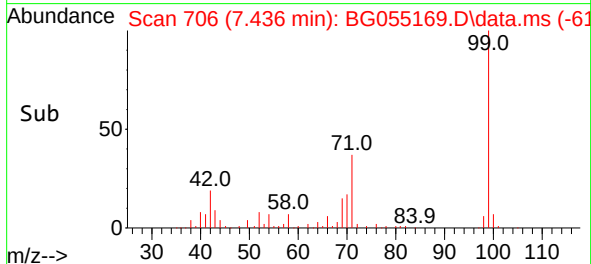
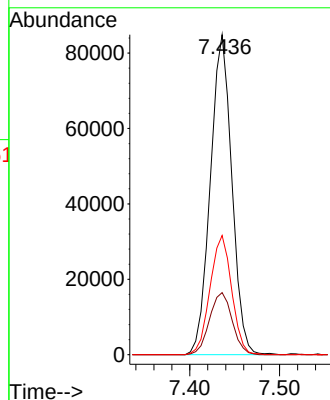
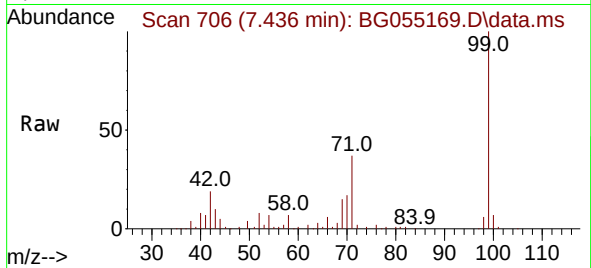




#7
Phenol-d6
Concen: 36.662 ng
RT: 7.436 min Scan# 706
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

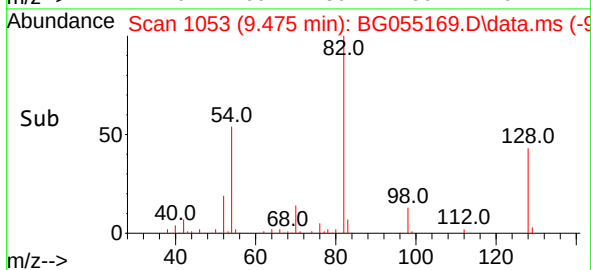
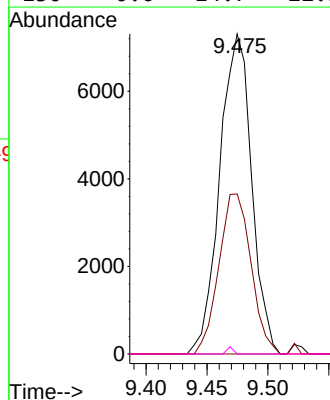
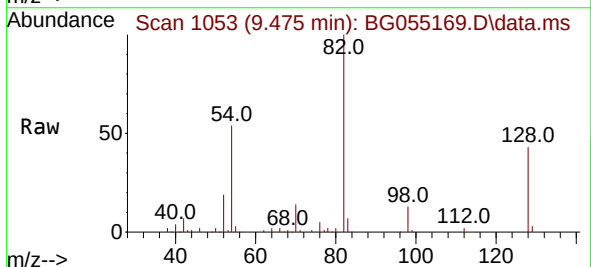
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

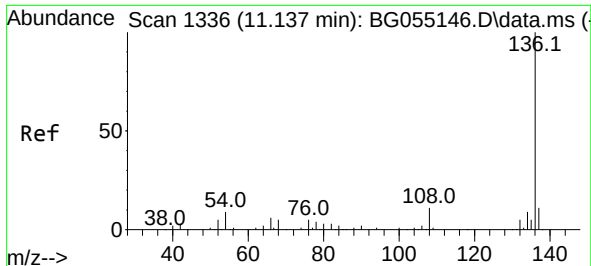
Tgt Ion: 99 Resp: 140874
Ion Ratio Lower Upper
99 100
42 19.4 16.6 25.0
71 37.3 29.6 44.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.287 ng
RT: 9.475 min Scan# 1053
Delta R.T. 0.370 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion: 70 Resp: 13293
Ion Ratio Lower Upper
70 100
42 50.0 50.1 75.1#
101 0.0 6.6 10.0#
130 0.0 14.7 22.1#

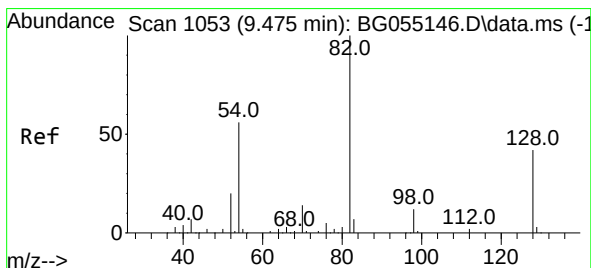
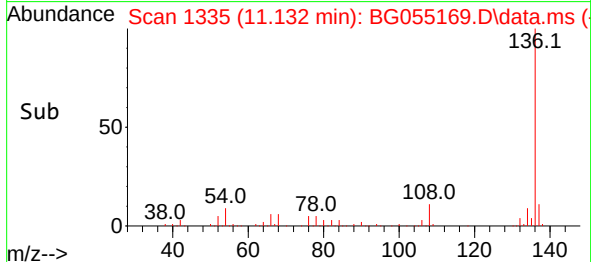
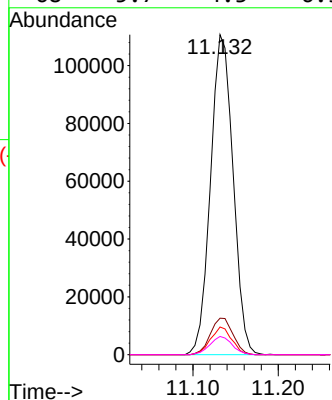
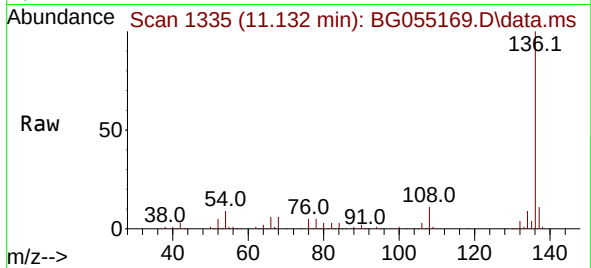




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

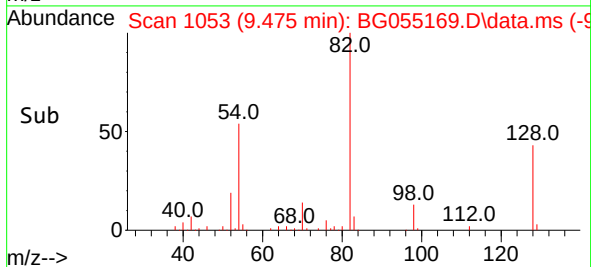
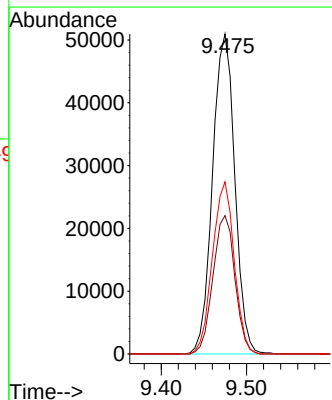
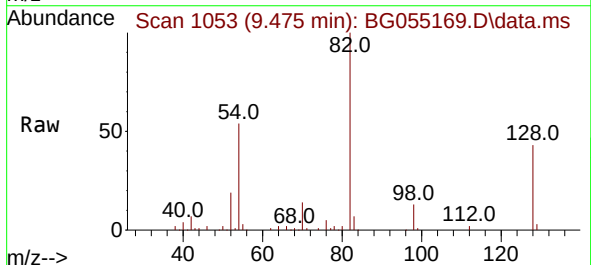
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

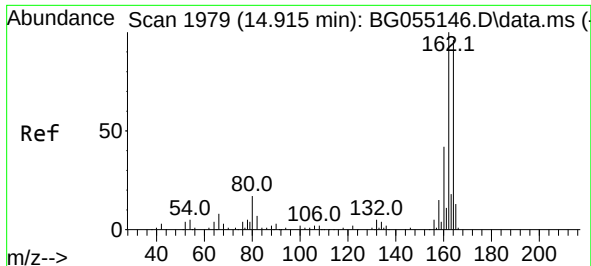
Tgt Ion	136	Resp:	203384
	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.7	7.0	10.6
68	5.7	4.3	6.5



#23
Nitrobenzene-d5
Concen: 24.323 ng
RT: 9.475 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion: 82	Resp:	92251
Ion Ratio	Lower	Upper
82 100		
128 43.2	33.5	50.3
54 53.8	44.7	67.1

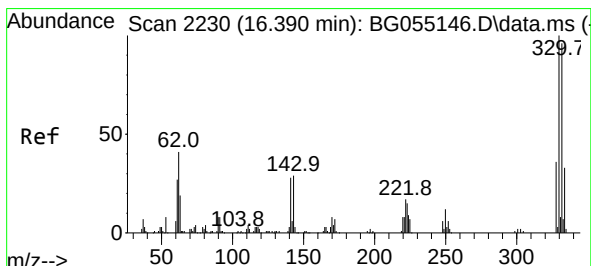
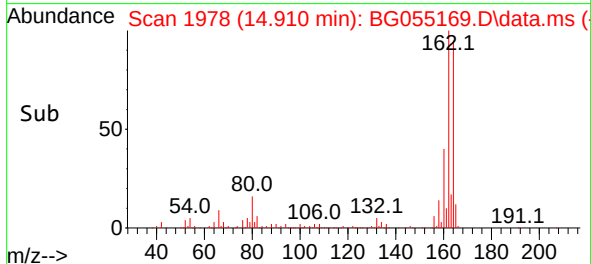
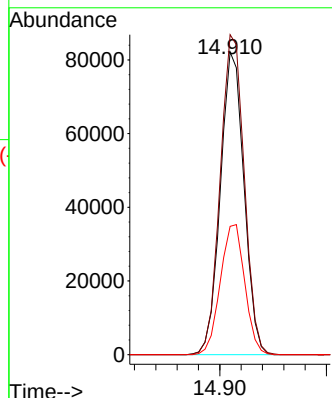
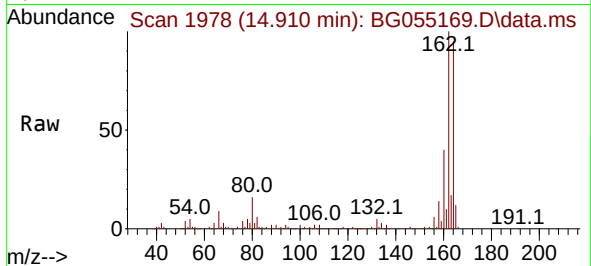




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.910 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

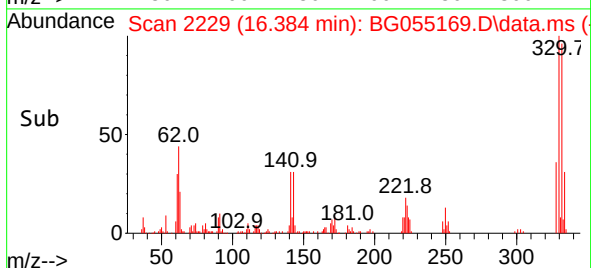
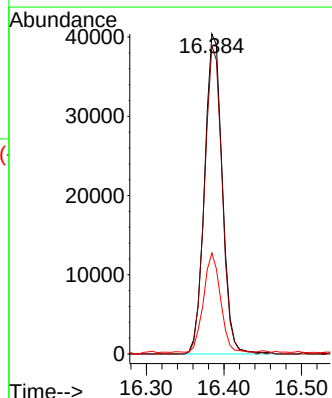
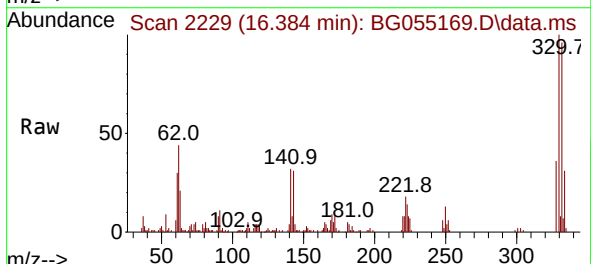
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

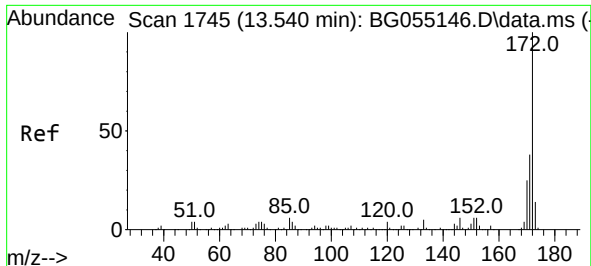
Tgt Ion:164 Resp: 126270
Ion Ratio Lower Upper
164 100
162 105.7 83.3 124.9
160 42.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 35.235 ng
RT: 16.384 min Scan# 2229
Delta R.T. -0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:330 Resp: 63929
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 30.1 24.6 36.8

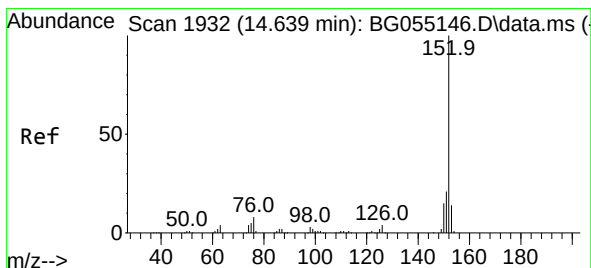
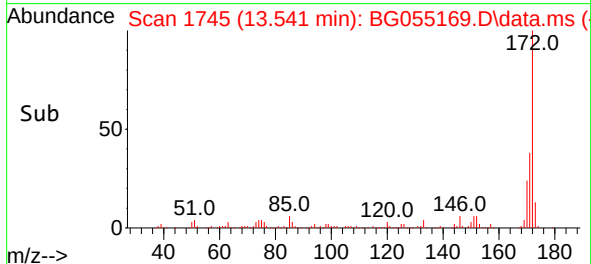
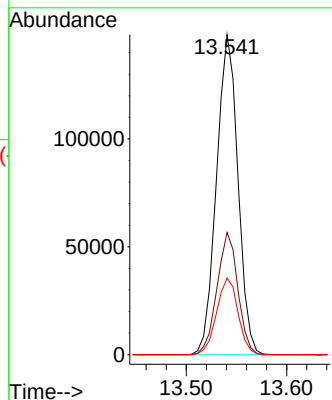
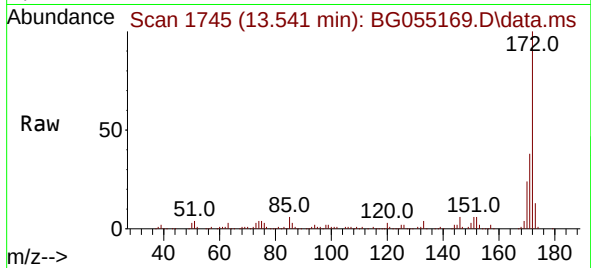




#45
2-Fluorobiphenyl
Concen: 28.418 ng
RT: 13.541 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

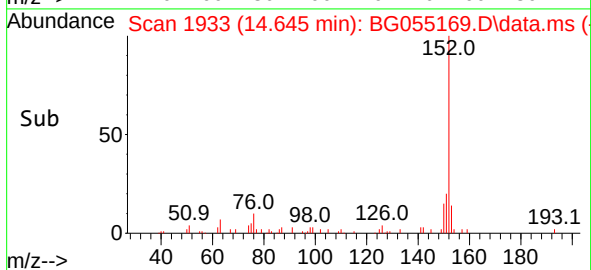
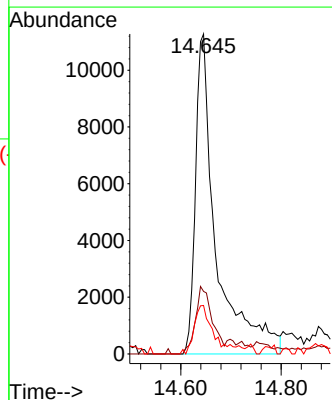
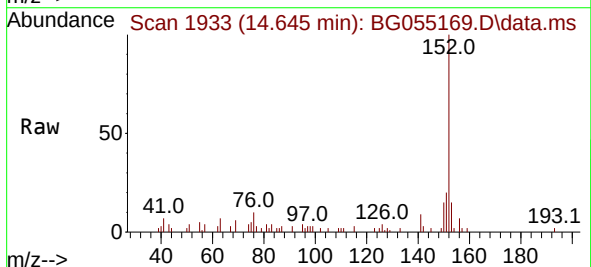
Instrument :
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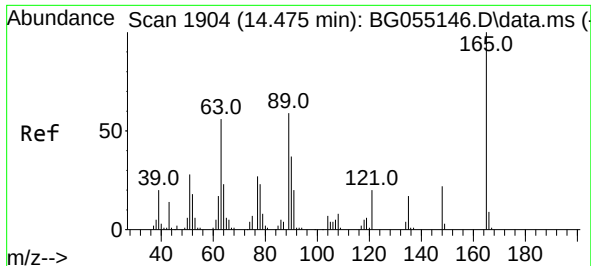
Tgt Ion:172 Resp: 219665
Ion Ratio Lower Upper
172 100
171 38.2 30.1 45.1
170 24.0 19.8 29.6



#49
Acenaphthylene
Concen: 2.832 ng
RT: 14.645 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:152 Resp: 32240
Ion Ratio Lower Upper
152 100
151 19.5 16.5 24.7
153 15.2 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 8.248 ng

RT: 14.915 min Scan# 1904

Delta R.T. 0.441 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

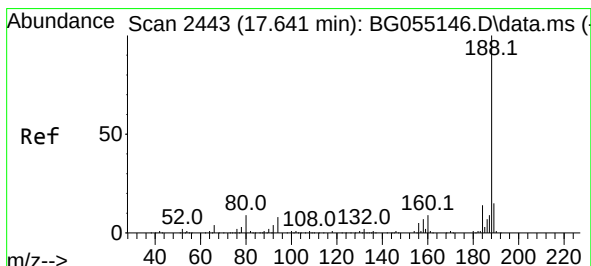
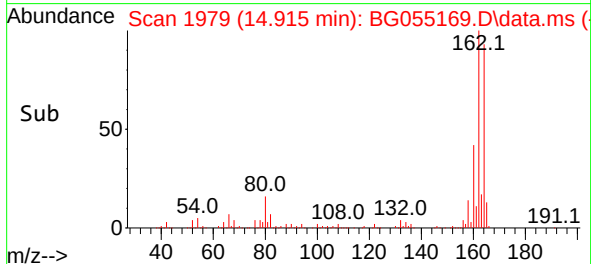
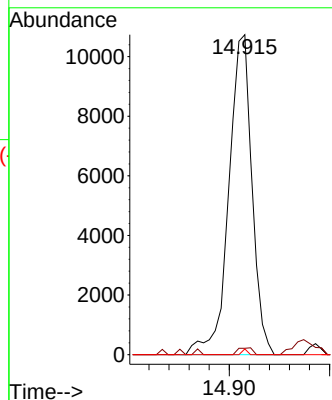
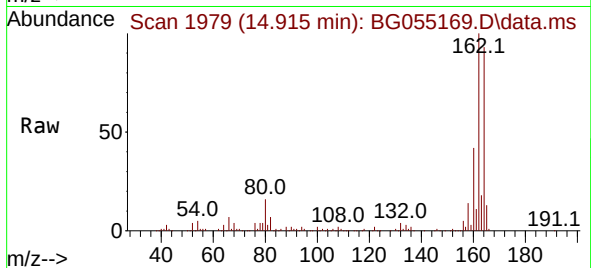
Tgt Ion:165 Resp: 17228

Ion Ratio Lower Upper

165 100

63 2.0 46.6 70.0#

89 1.8 47.6 71.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.642 min Scan# 2443

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

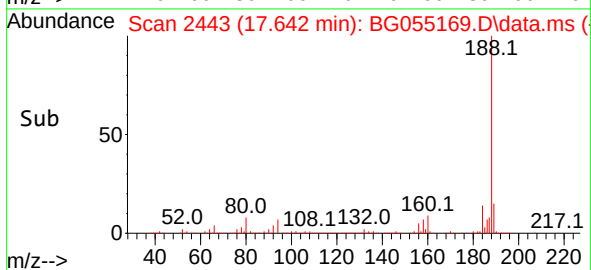
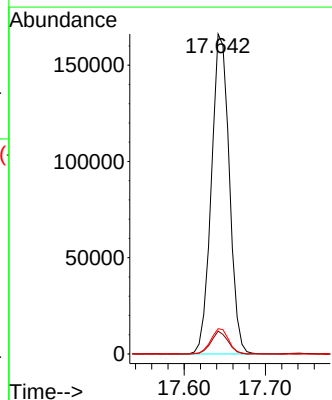
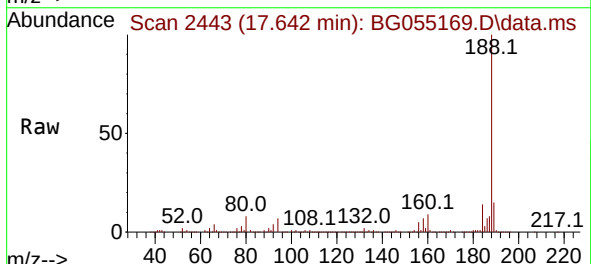
Tgt Ion:188 Resp: 254243

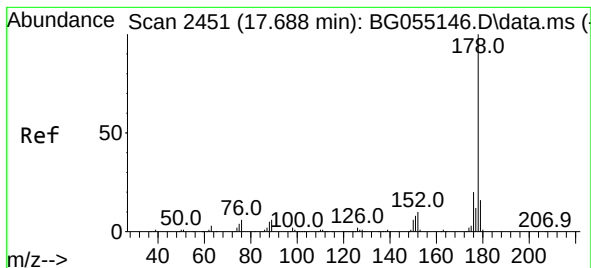
Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.2

80 7.9 7.0 10.6





#71

Phenanthrene

Concen: 12.538 ng

RT: 17.689 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

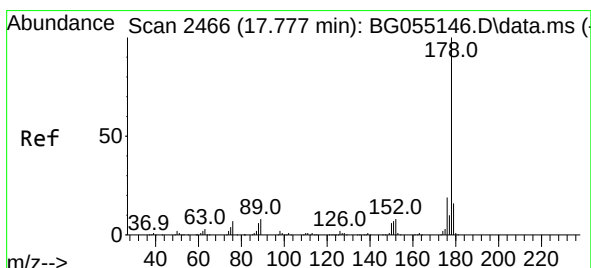
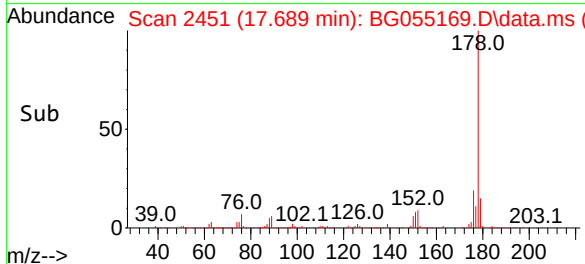
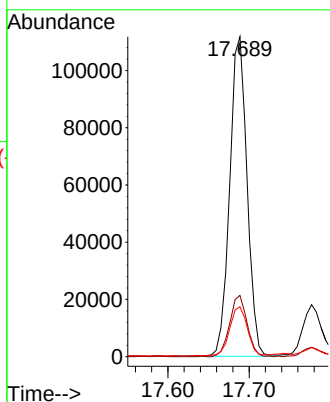
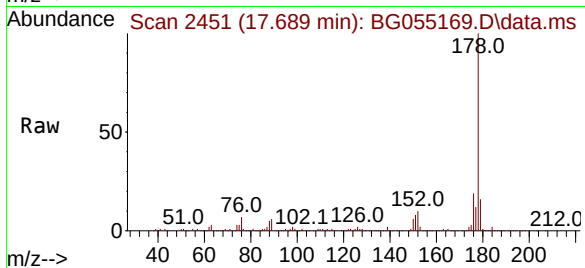
Tgt Ion:178 Resp: 165346

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 15.6 12.7 19.1



#72

Anthracene

Concen: 2.225 ng

RT: 17.777 min Scan# 2466

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

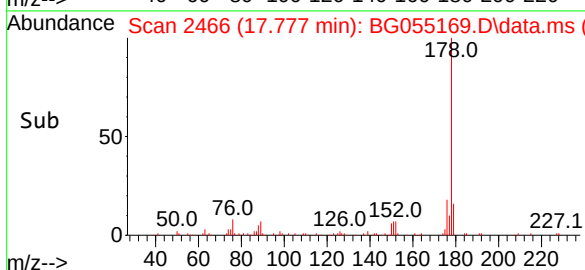
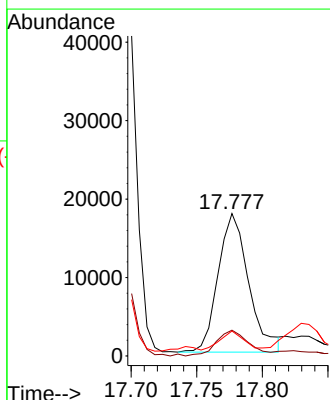
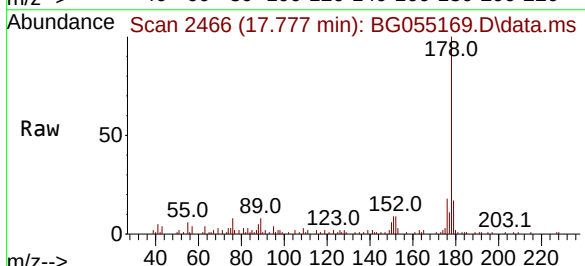
Tgt Ion:178 Resp: 28678

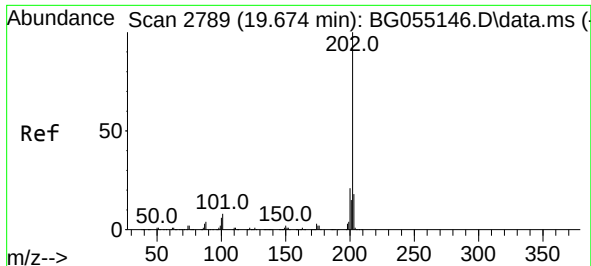
Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 17.5 13.0 19.4

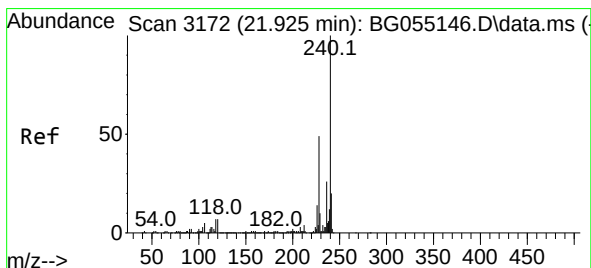
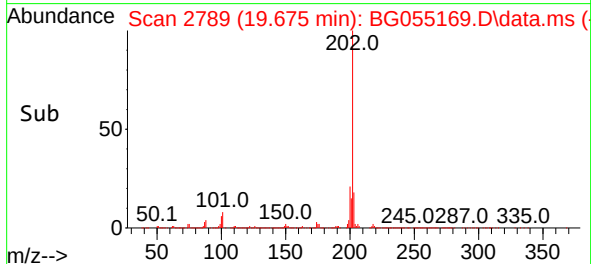
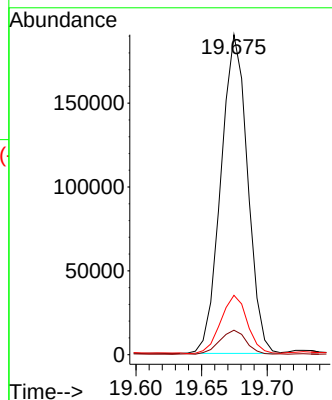
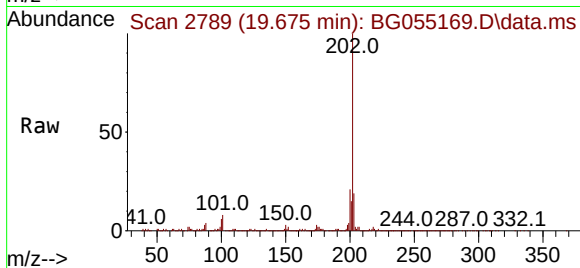




#75
Fluoranthene
Concen: 16.337 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

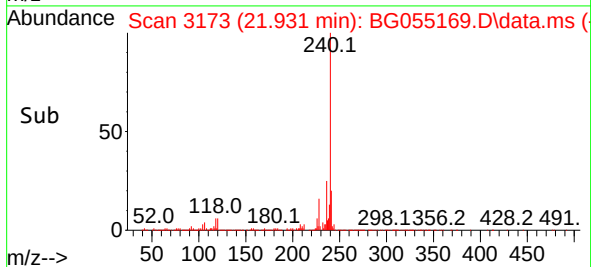
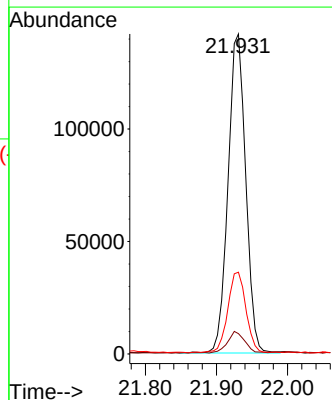
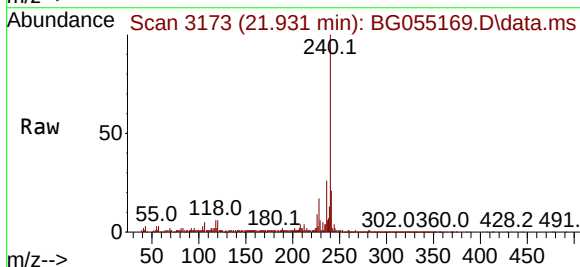
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

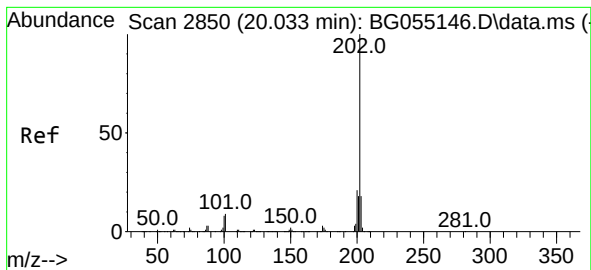
Tgt Ion:202 Resp: 269319
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.4
203 18.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:240 Resp: 244505
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.6 20.6 31.0





#78

Pyrene

Concen: 23.724 ng

RT: 20.033 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

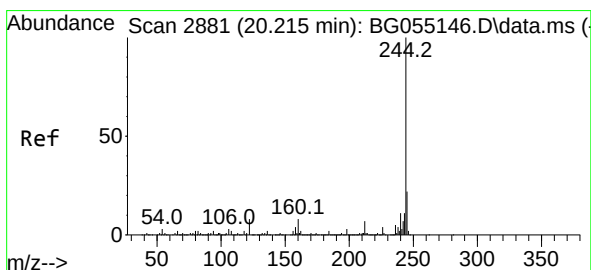
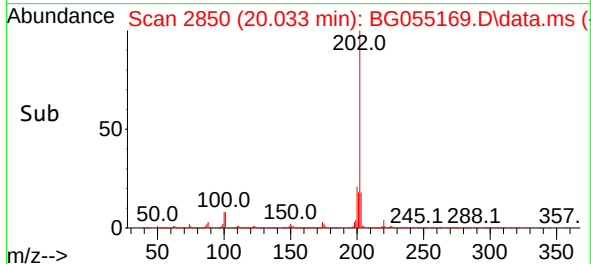
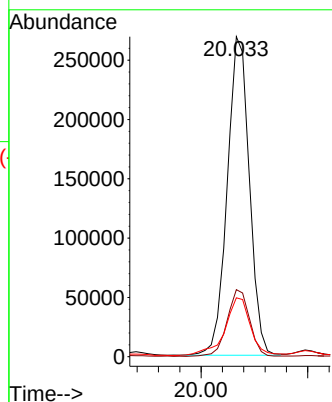
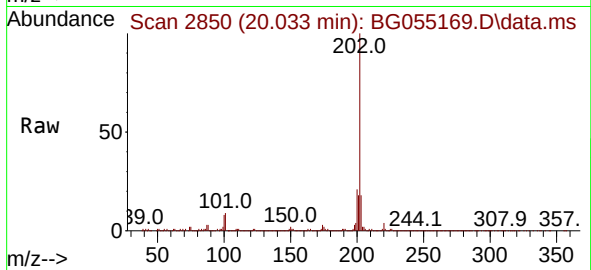
Tgt Ion:202 Resp: 386694

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.4 14.4 21.6



#79

Terphenyl-d14

Concen: 25.868 ng

RT: 20.221 min Scan# 2882

Delta R.T. 0.006 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

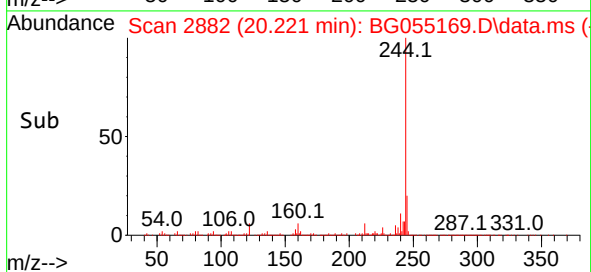
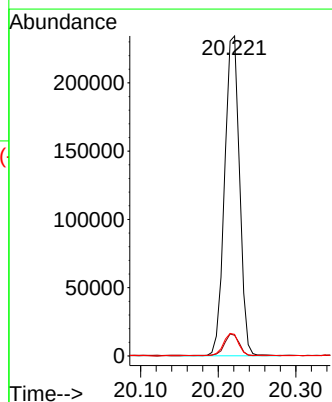
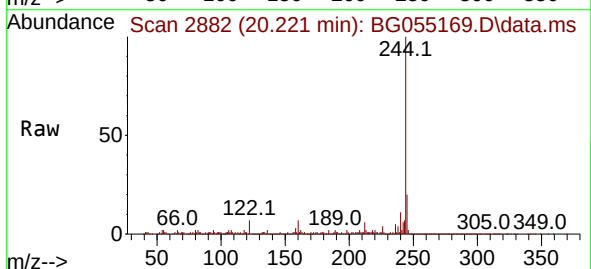
Tgt Ion:244 Resp: 314036

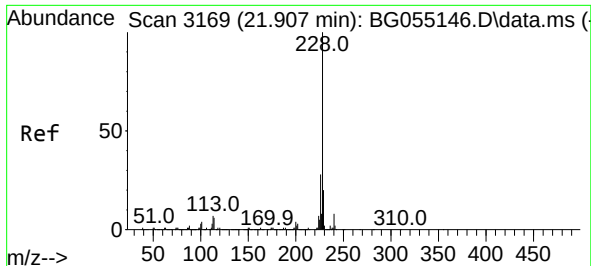
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 6.8 6.6 10.0

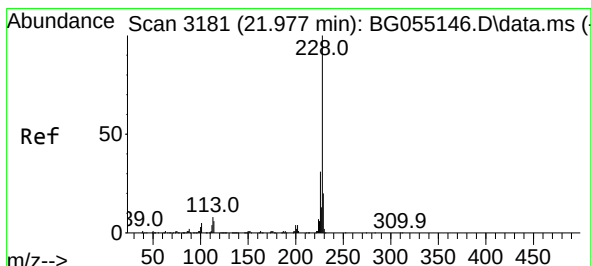
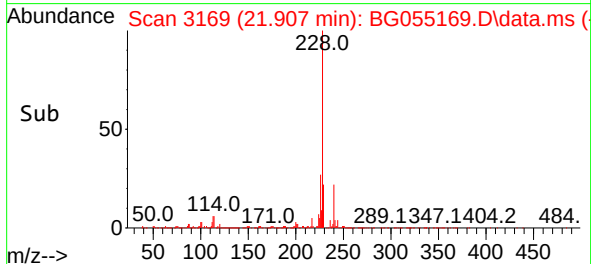
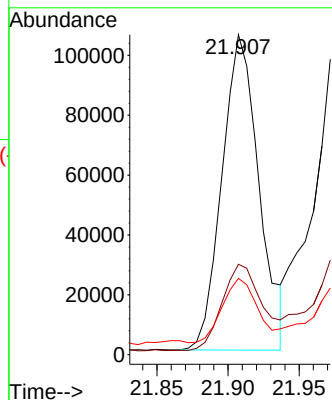
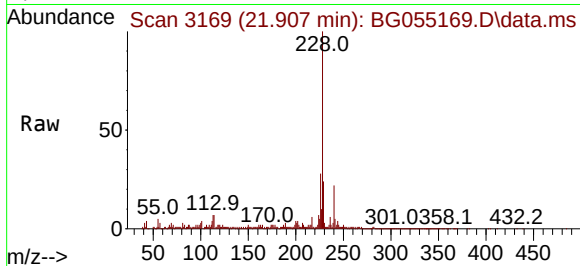




#81
Benzo(a)anthracene
Concen: 12.201 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

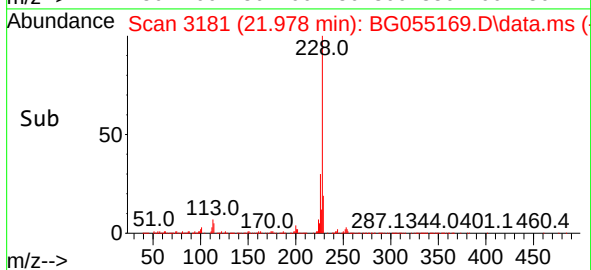
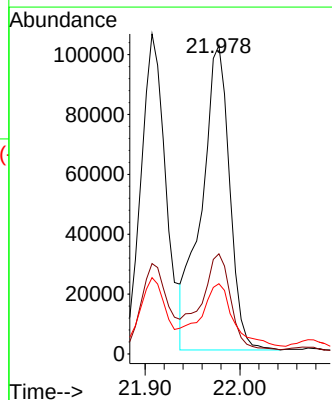
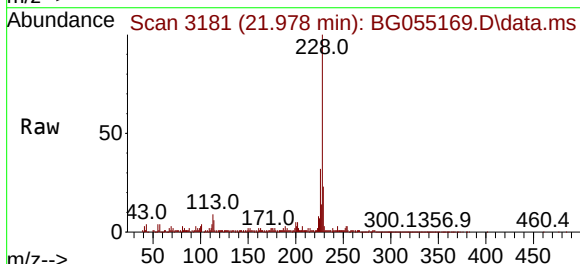
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

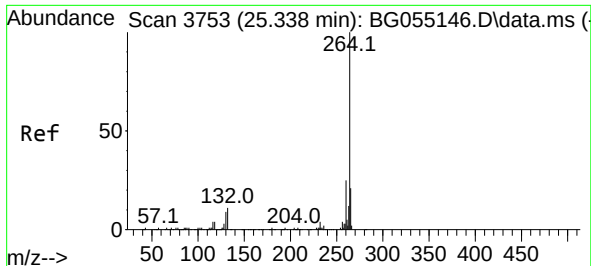
Tgt Ion:228 Resp: 190866
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 23.8 16.2 24.4



#83
Chrysene
Concen: 14.212 ng
RT: 21.978 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:228 Resp: 209730
Ion Ratio Lower Upper
228 100
226 32.5 25.1 37.7
229 22.8 16.2 24.2

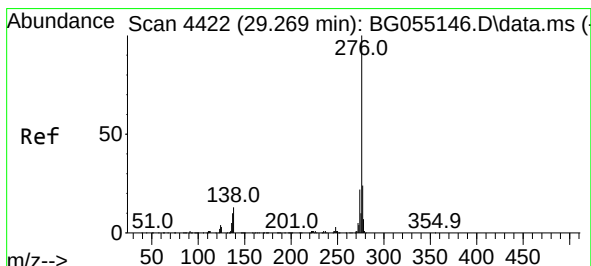
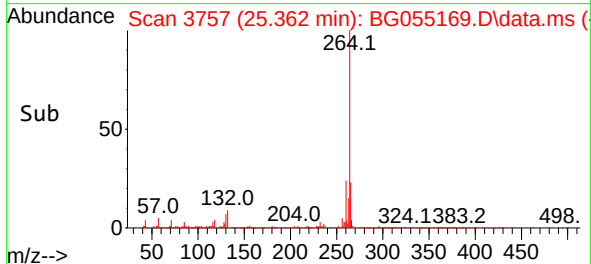
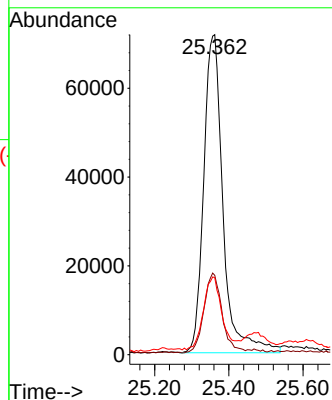
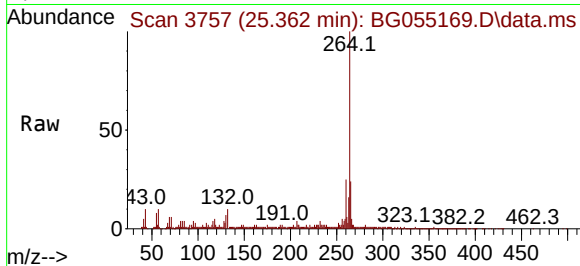




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.362 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BG055169.D
 Acq: 13 Oct 2022 18:40

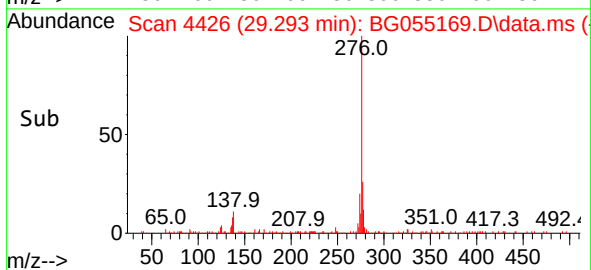
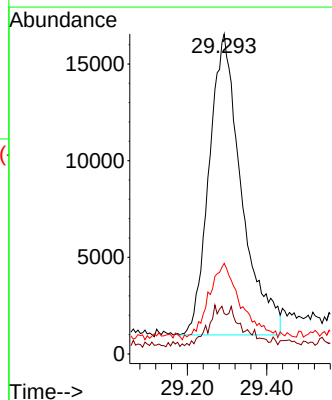
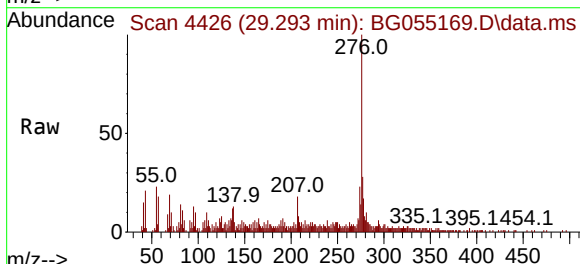
Instrument :
 BNA_G
 ClientSampleId :
 OK-2-101122

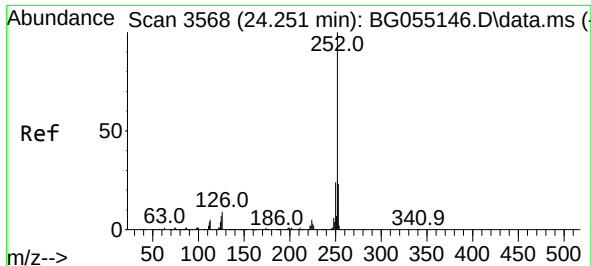
Tgt Ion:264 Resp: 258881
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 24.0 16.8 25.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.591 ng
 RT: 29.293 min Scan# 4426
 Delta R.T. 0.024 min
 Lab File: BG055169.D
 Acq: 13 Oct 2022 18:40

Tgt Ion:276 Resp: 88037
 Ion Ratio Lower Upper
 276 100
 138 0.0 13.4 20.0#
 277 25.8 20.5 30.7

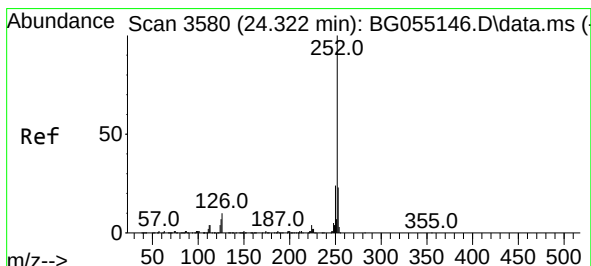
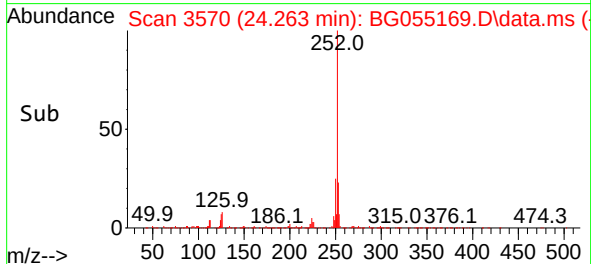
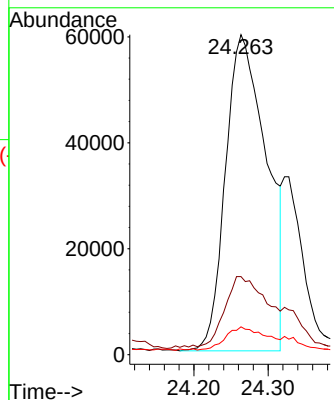
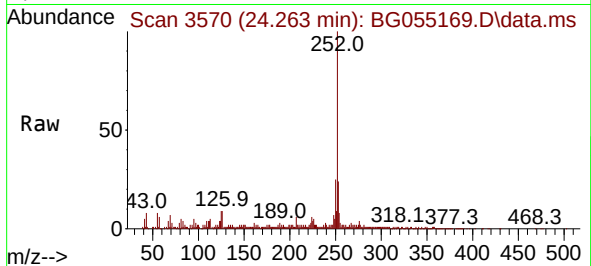




#88
Benzo(b)fluoranthene
Concen: 14.897 ng
RT: 24.263 min Scan# 3570
Delta R.T. 0.012 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

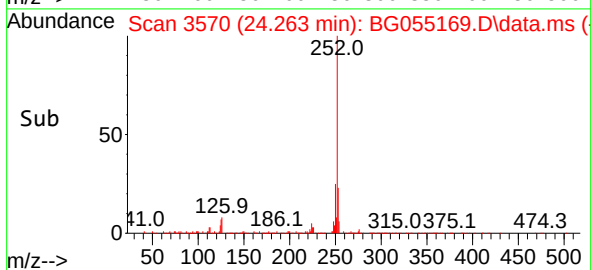
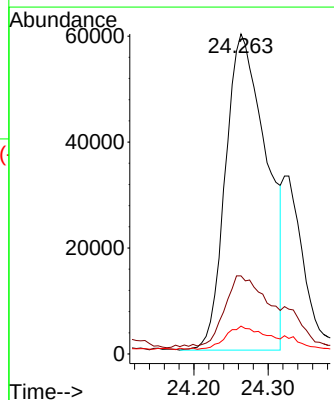
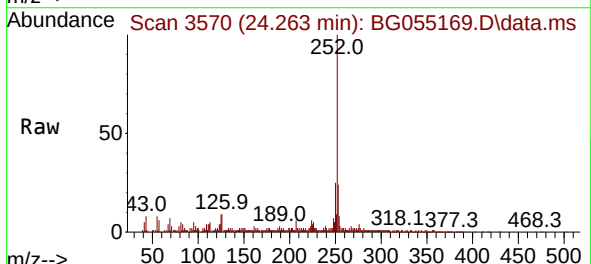
Instrument :
BNA_G
ClientSampleId :
OK-2-101122

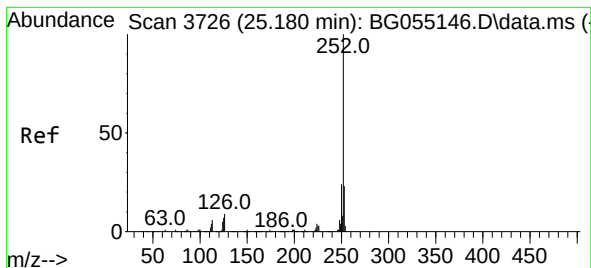
Tgt Ion:252 Resp: 229857
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 8.7 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 14.827 ng
RT: 24.263 min Scan# 3570
Delta R.T. -0.058 min
Lab File: BG055169.D
Acq: 13 Oct 2022 18:40

Tgt Ion:252 Resp: 229857
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 8.7 5.8 8.6#





#90

Benzo(a)pyrene

Concen: 14.820 ng

RT: 25.198 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Instrument :

BNA_G

ClientSampleId :

OK-2-101122

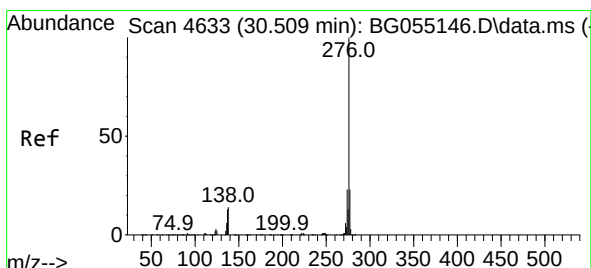
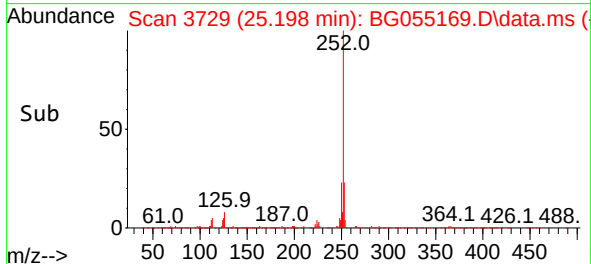
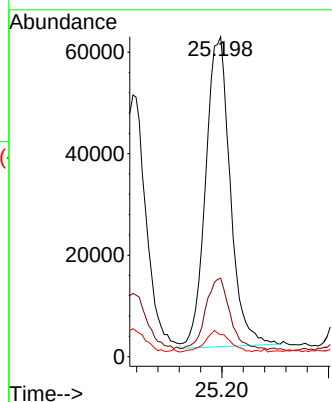
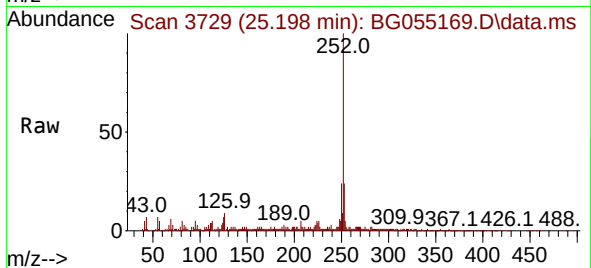
Tgt Ion:252 Resp: 195543

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

125 6.9 5.8 8.8



#92

Benzo(g,h,i)perylene

Concen: 5.901 ng

RT: 30.521 min Scan# 4635

Delta R.T. 0.012 min

Lab File: BG055169.D

Acq: 13 Oct 2022 18:40

Tgt Ion:276 Resp: 91727

Ion Ratio Lower Upper

276 100

277 27.0 18.4 27.6

138 13.7 11.2 16.8

