

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055756.D
 Acq On : 23 Nov 2022 2:10
 Operator : CG/JU
 Sample : N5735-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822

Quant Time: Nov 23 02:52:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

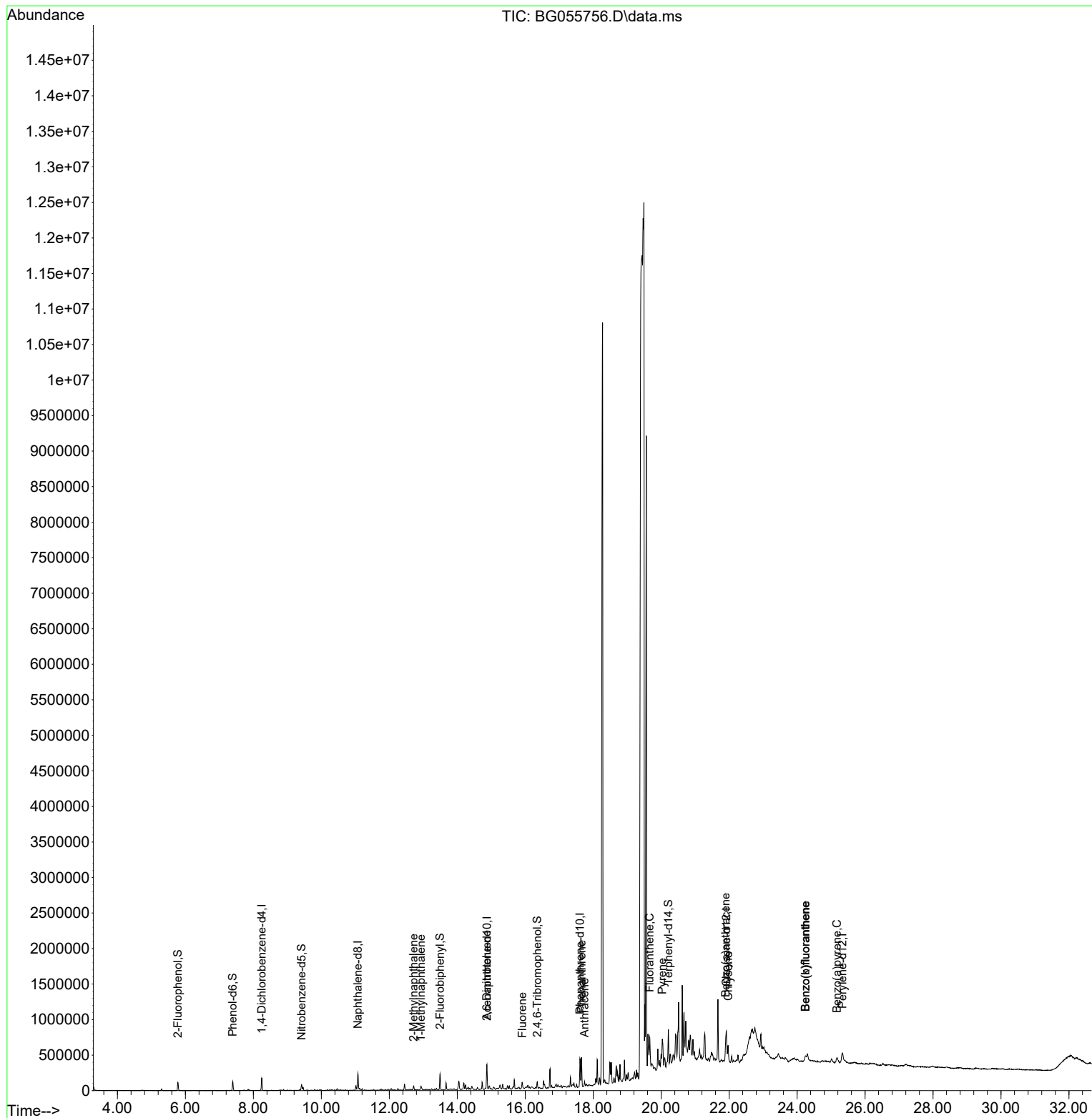
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	51830	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	199627	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	129765	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	272744	20.000	ng	0.00
76) Chrysene-d12	21.918	240	252758	20.000	ng	0.01
86) Perylene-d12	25.338	264	200304	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	51074	17.812	ng	0.00
7) Phenol-d6	7.394	99	72504	18.995	ng	0.00
23) Nitrobenzene-d5	9.415	82	46634	12.347	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	16177	8.853	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	117718	13.590	ng	0.00
79) Terphenyl-d14	20.214	244	169948	13.448	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.717	142	26697	3.304	ng	98
38) 1-Methylnaphthalene	12.935	142	26619	3.394	ng	100
51) 2,6-Dinitrotoluene	14.868	165	19217	9.086	ng	# 27
58) Fluorene	15.914	166	28880	2.963	ng	93
71) Phenanthrene	17.659	178	265862	18.063	ng	100
72) Anthracene	17.747	178	48493	3.391	ng	99
75) Fluoranthene	19.662	202	242418	13.538	ng	99
78) Pyrene	20.032	202	406757	23.775	ng	98
81) Benzo(a)anthracene	21.895	228	180909	10.392	ng	95
83) Chrysene	21.971	228	189233	11.418	ng	98
88) Benzo(b)fluoranthene	24.245	252	106886	8.194	ng	# 90
89) Benzo(k)fluoranthene	24.245	252	106886	8.220	ng	# 90
90) Benzo(a)pyrene	25.173	252	92908	8.300	ng	# 90

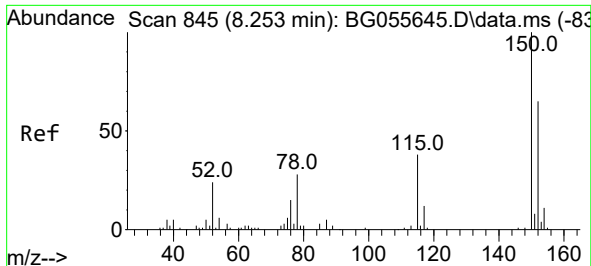
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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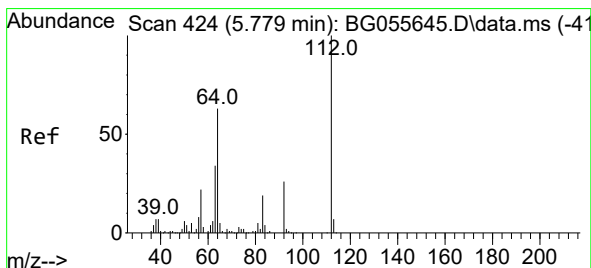
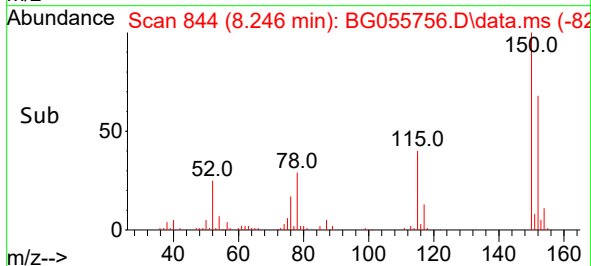
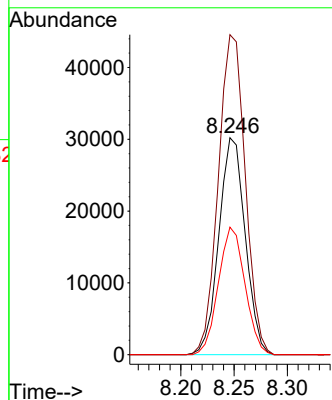
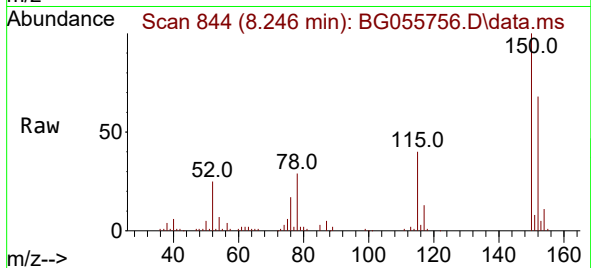




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

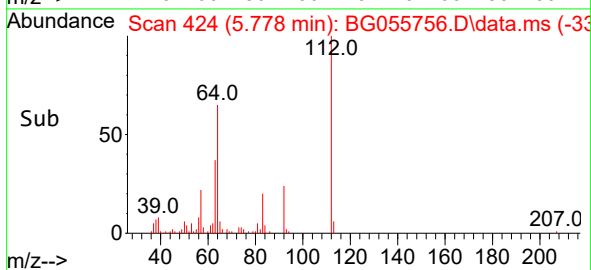
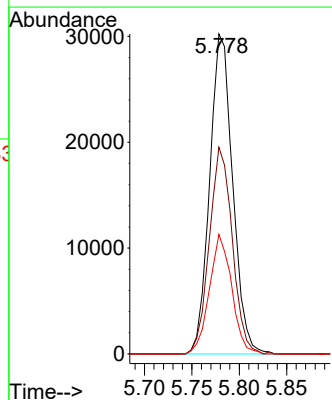
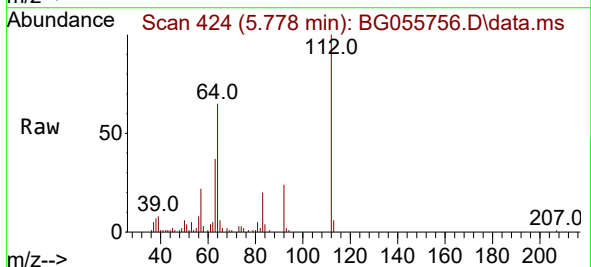
Instrument :
BNA_G
ClientSampleId :
TR-04-111822

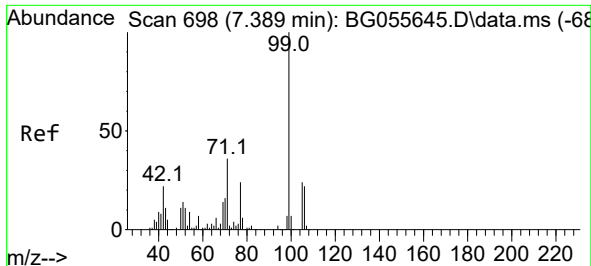
Tgt Ion:152 Resp: 51830
Ion Ratio Lower Upper
152 100
150 147.5 123.0 184.6
115 58.8 47.0 70.4



#5
2-Fluorophenol
Concen: 17.812 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:112 Resp: 51074
Ion Ratio Lower Upper
112 100
64 64.6 50.6 76.0
63 37.3 27.5 41.3

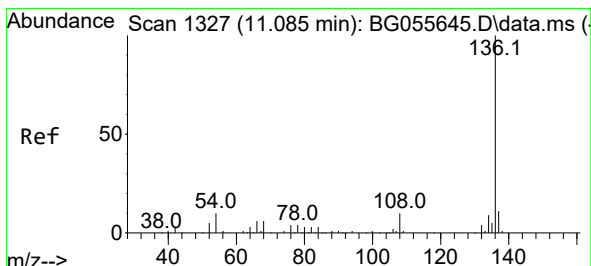
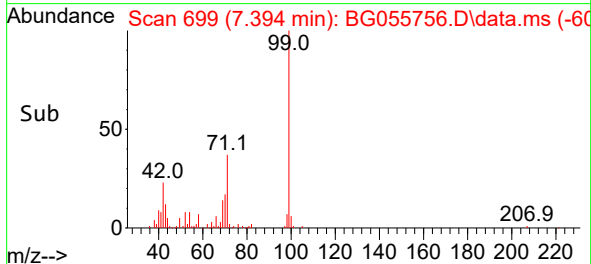
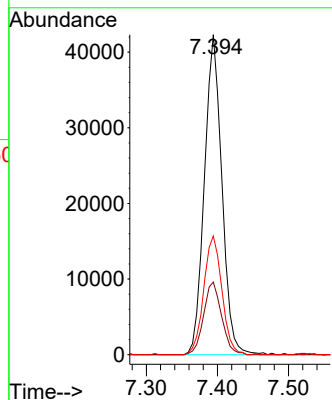
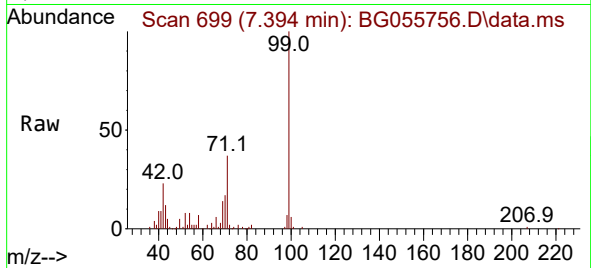




#7
Phenol-d6
Concen: 18.995 ng
RT: 7.394 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

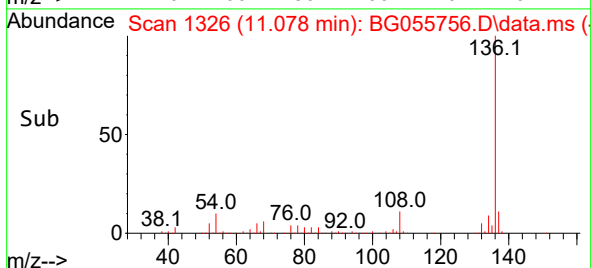
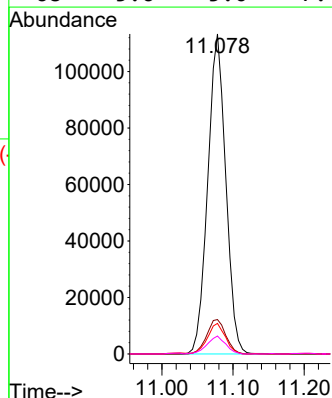
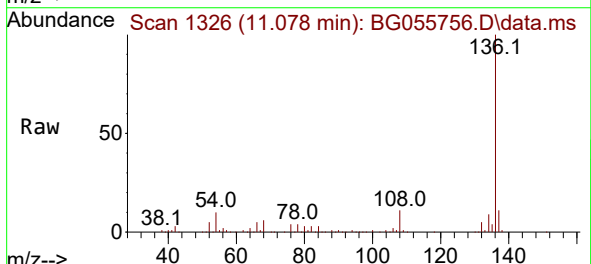
Instrument :
BNA_G
ClientSampleId :
TR-04-111822

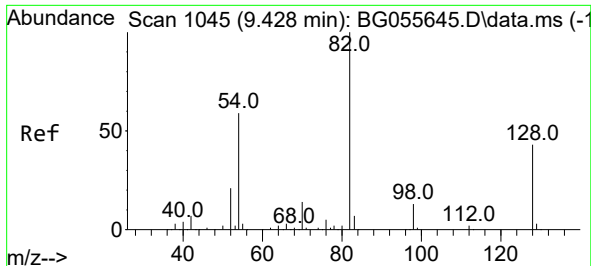
Tgt Ion: 99 Resp: 72504
Ion Ratio Lower Upper
99 100
42 22.7 18.0 27.0
71 37.1 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1326
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion: 136 Resp: 199627
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.5 7.8 11.6
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 12.347 ng

RT: 9.415 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

TR-04-111822

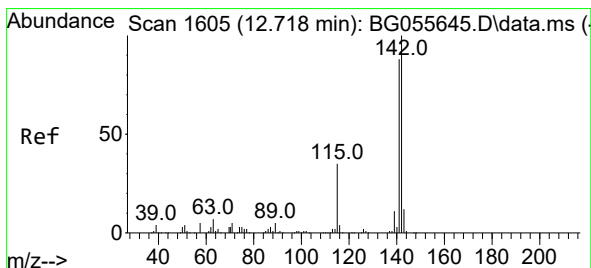
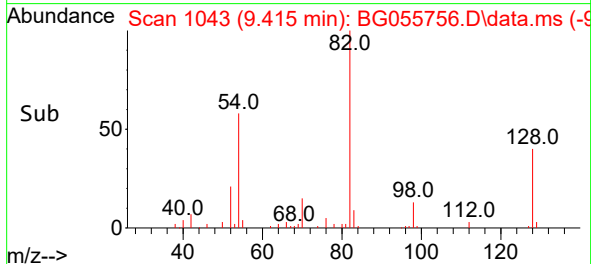
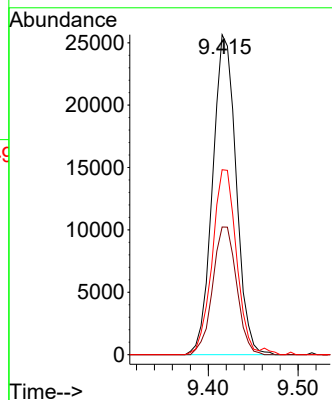
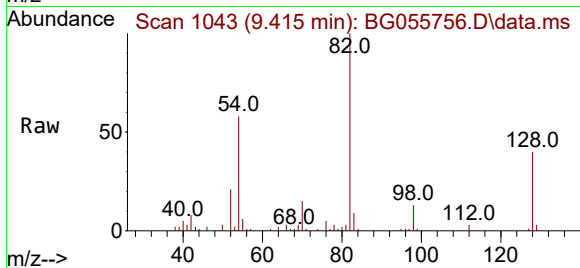
Tgt Ion: 82 Resp: 46634

Ion Ratio Lower Upper

82 100

128 39.9 34.1 51.1

54 57.8 47.3 70.9



#37

2-Methylnaphthalene

Concen: 3.304 ng

RT: 12.717 min Scan# 1605

Delta R.T. 0.006 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

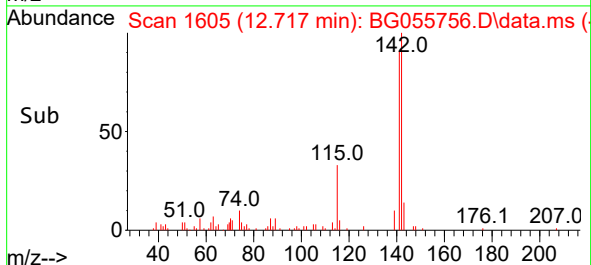
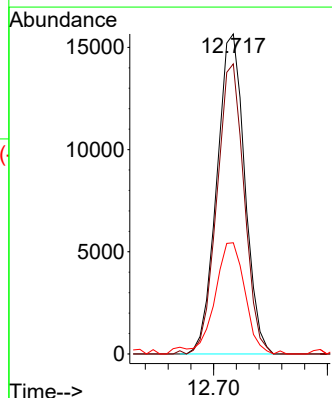
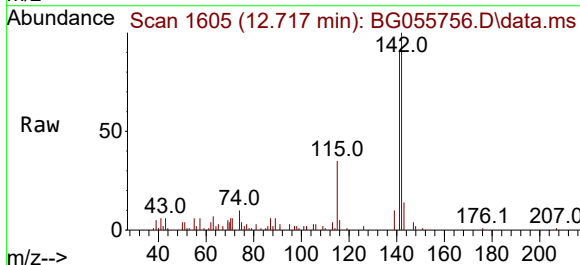
Tgt Ion:142 Resp: 26697

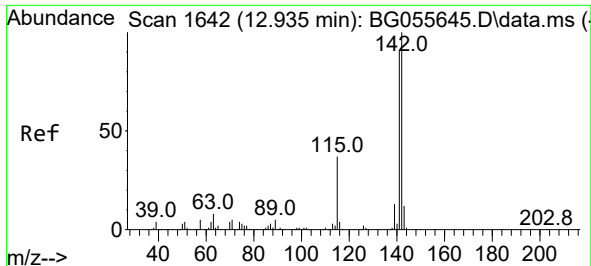
Ion Ratio Lower Upper

142 100

141 90.7 70.3 105.5

115 34.8 27.9 41.9

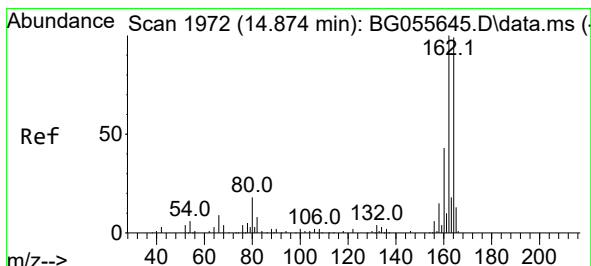
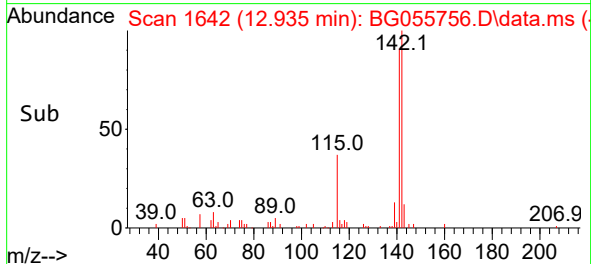
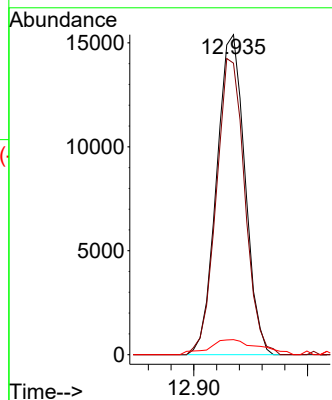
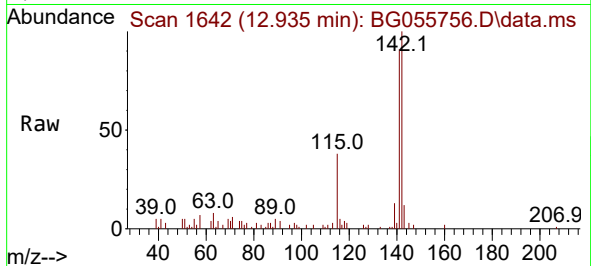




#38
1-Methylnaphthalene
Concen: 3.394 ng
RT: 12.935 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

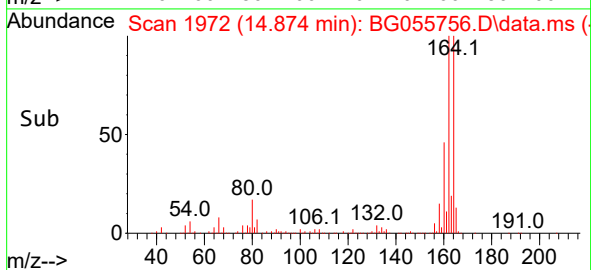
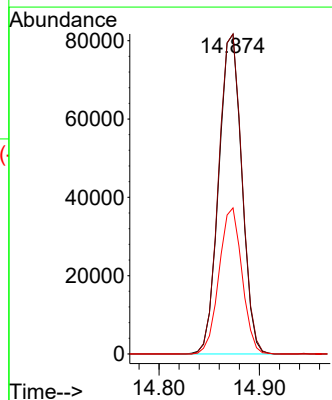
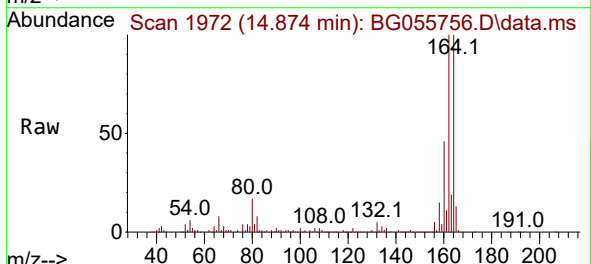
Instrument :
BNA_G
ClientSampleId :
TR-04-111822

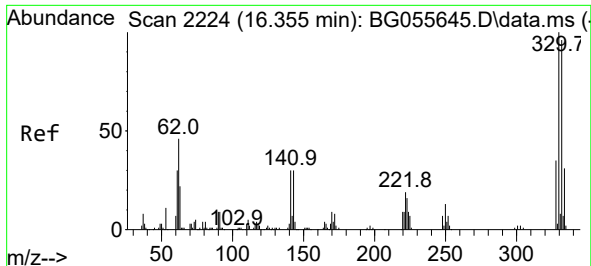
Tgt Ion:142 Resp: 26619
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.4
116 4.7 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:164 Resp: 129765
Ion Ratio Lower Upper
164 100
162 100.1 81.1 121.7
160 45.7 34.8 52.2

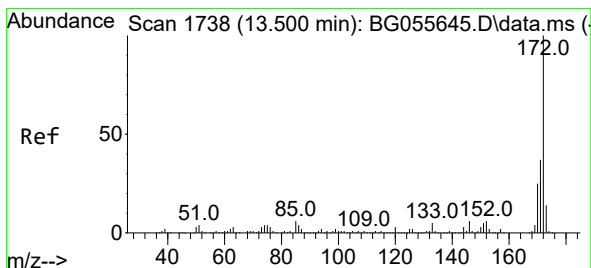
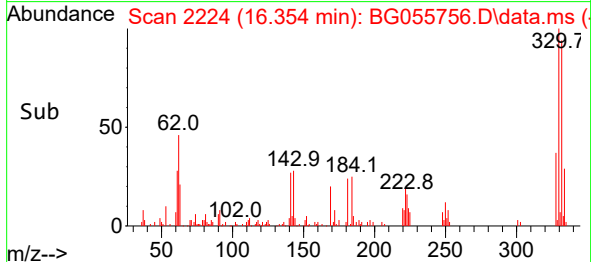
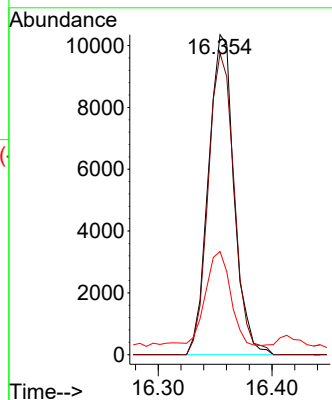
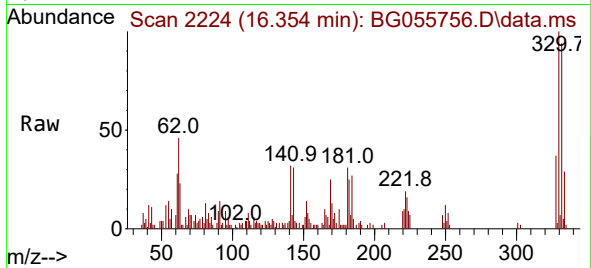




#42
 2,4,6-Tribromophenol
 Concen: 8.853 ng
 RT: 16.354 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

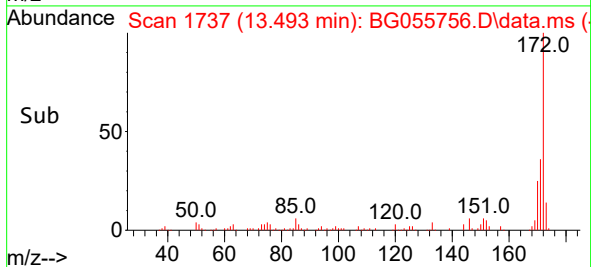
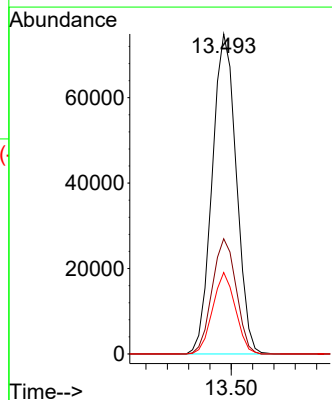
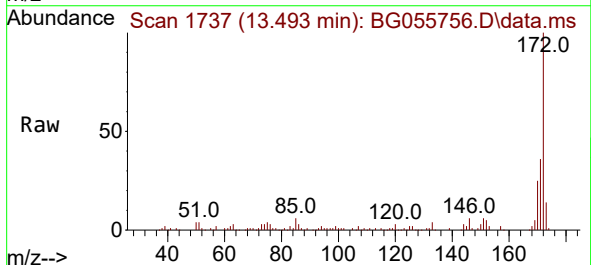
Instrument :
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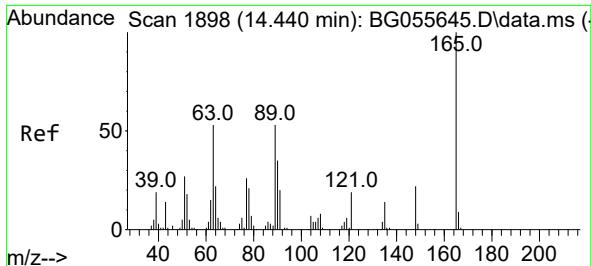
Tgt Ion:	330	Resp:	16177
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.8	116.8
141	32.8	23.9	35.9



#45
 2-Fluorobiphenyl
 Concen: 13.590 ng
 RT: 13.493 min Scan# 1737
 Delta R.T. 0.000 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

Tgt Ion:	172	Resp:	117718
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.6
170	25.5	20.2	30.4

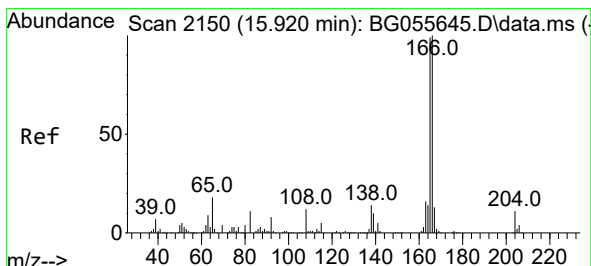
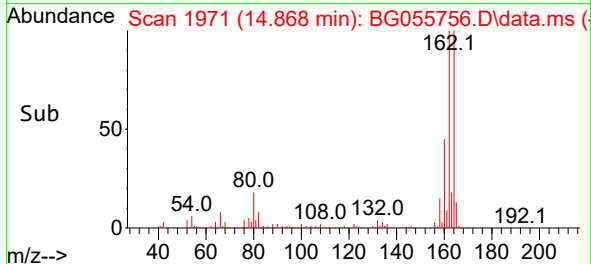
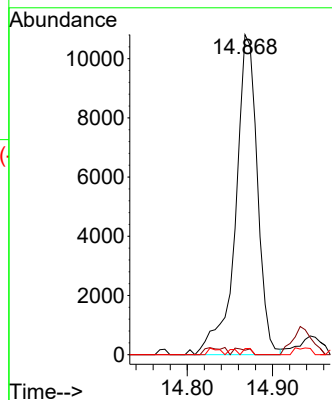
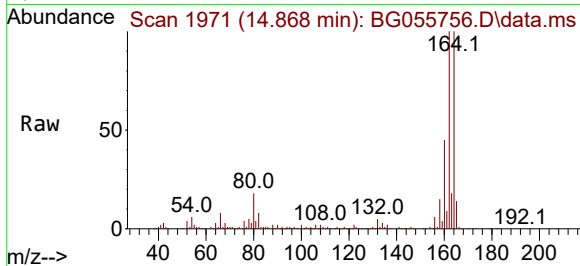




#51
2,6-Dinitrotoluene
Concen: 9.086 ng
RT: 14.868 min Scan# 11
Delta R.T. 0.435 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

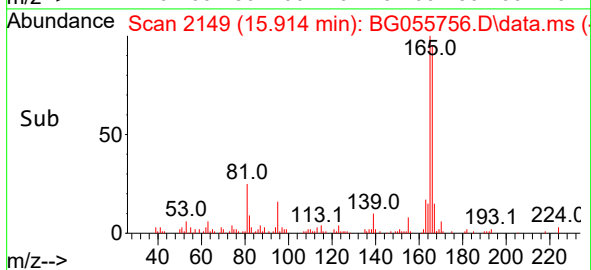
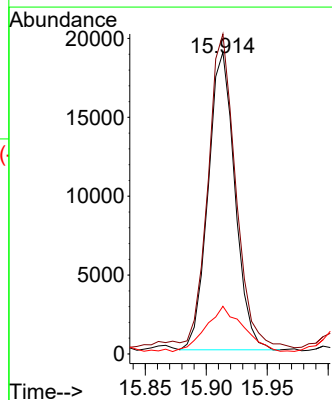
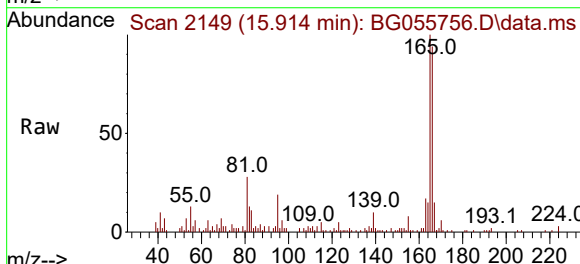
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TR-04-111822

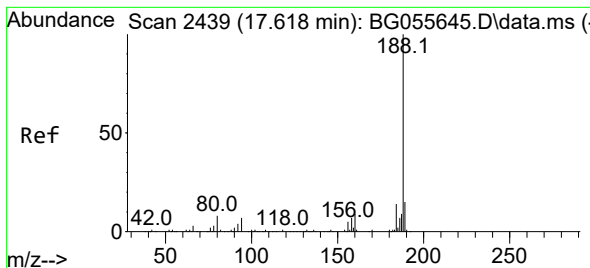
Tgt Ion:165 Resp: 19217
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 1.9 42.2 63.4#



#58
Fluorene
Concen: 2.963 ng
RT: 15.914 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:166 Resp: 28880
Ion Ratio Lower Upper
166 100
165 106.1 79.3 118.9
167 15.8 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.612 min Scan# 2439

Delta R.T. 0.006 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

TR-04-111822

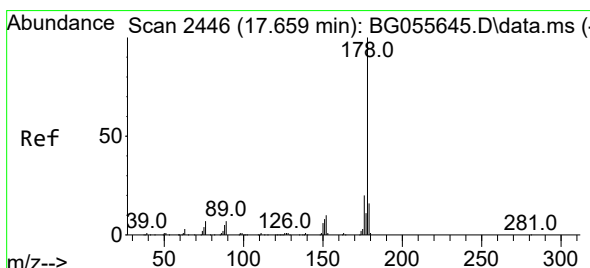
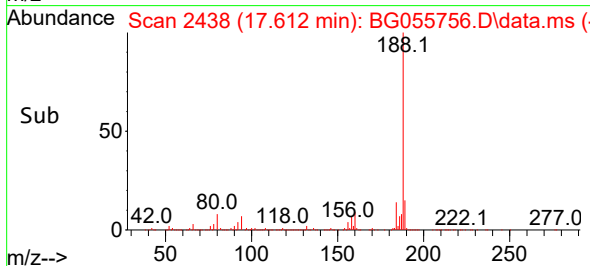
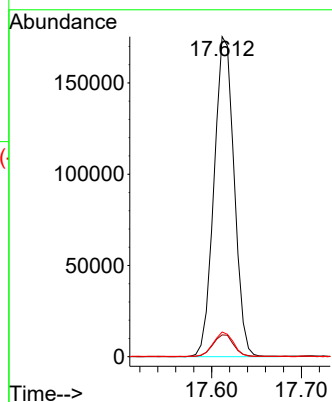
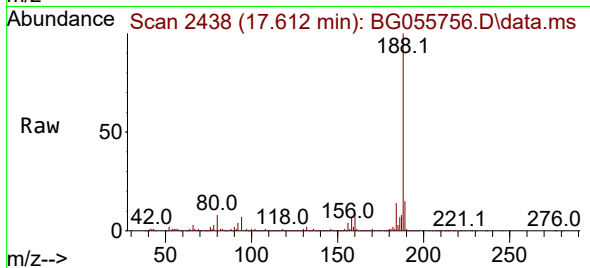
Tgt Ion:188 Resp: 272744

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 7.7 6.6 10.0



#71

Phenanthrene

Concen: 18.063 ng

RT: 17.659 min Scan# 2446

Delta R.T. 0.006 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

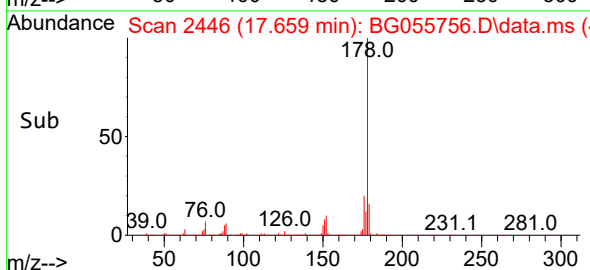
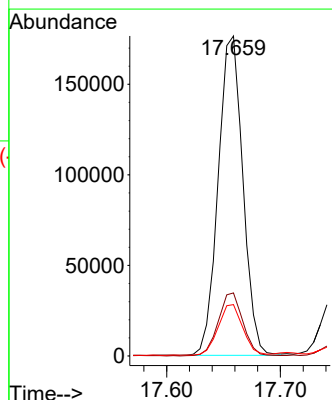
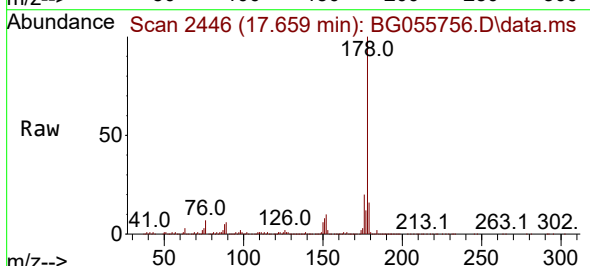
Tgt Ion:178 Resp: 265862

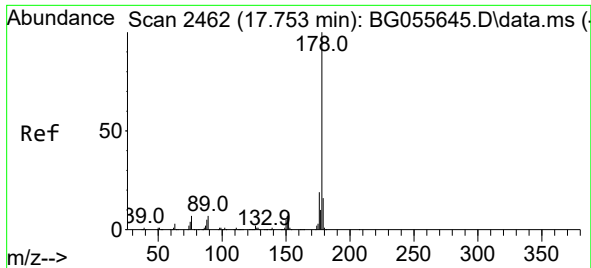
Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 16.0 12.7 19.1

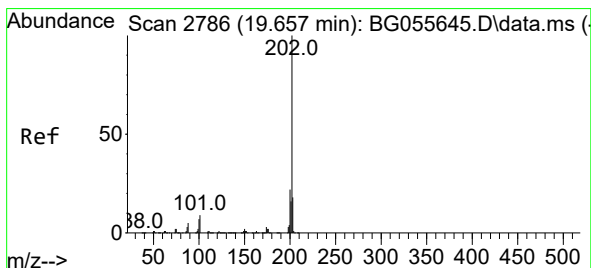
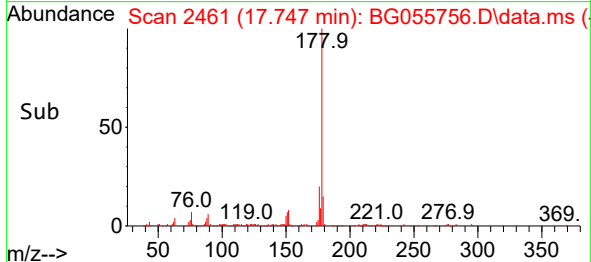
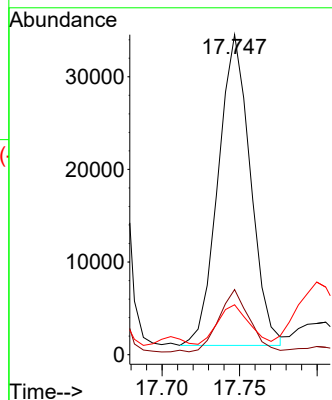
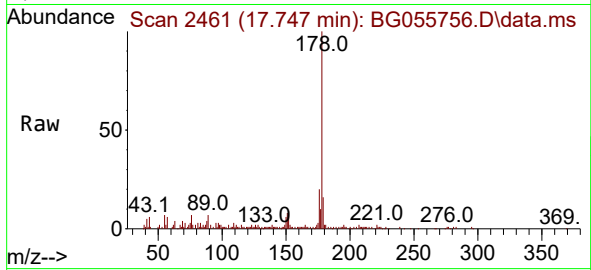




#72
 Anthracene
 Concen: 3.391 ng
 RT: 17.747 min Scan# 2461
 Delta R.T. 0.006 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

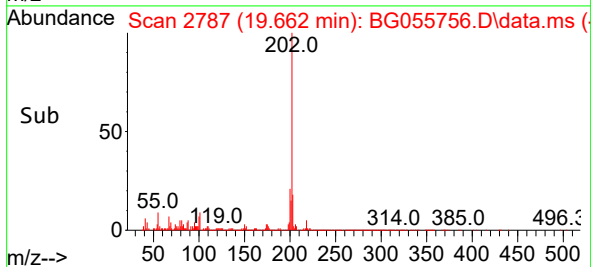
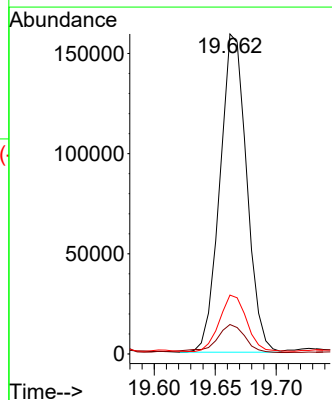
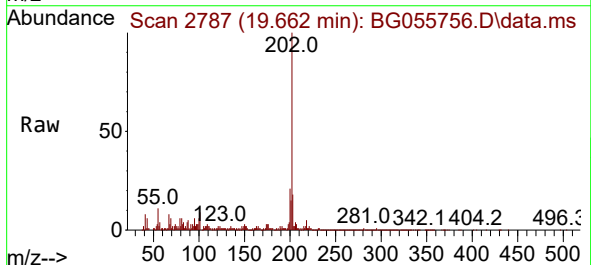
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822

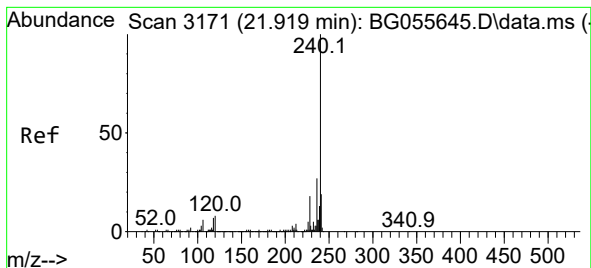
Tgt Ion:178 Resp: 48493
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.5 23.3
 179 15.6 12.5 18.7



#75
 Fluoranthene
 Concen: 13.538 ng
 RT: 19.662 min Scan# 2787
 Delta R.T. 0.018 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

Tgt Ion:202 Resp: 242418
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 28.8
 203 18.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.918 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

TR-04-111822

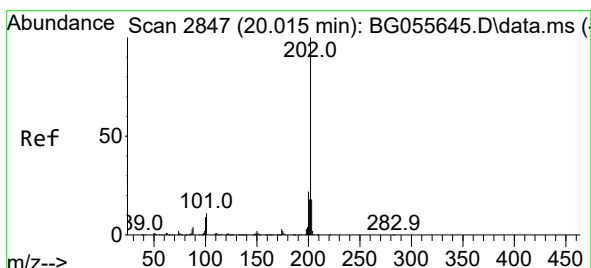
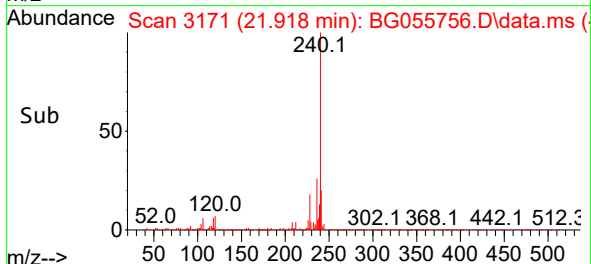
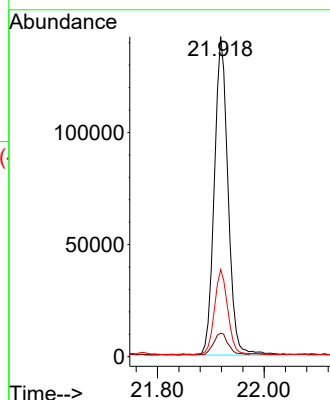
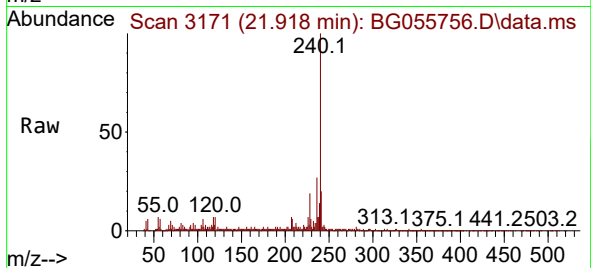
Tgt Ion:240 Resp: 252758

Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 27.2 21.9 32.9



#78

Pyrene

Concen: 23.775 ng

RT: 20.032 min Scan# 2850

Delta R.T. 0.024 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

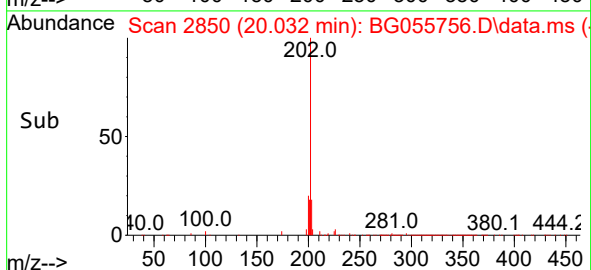
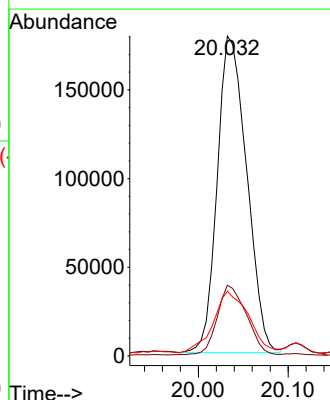
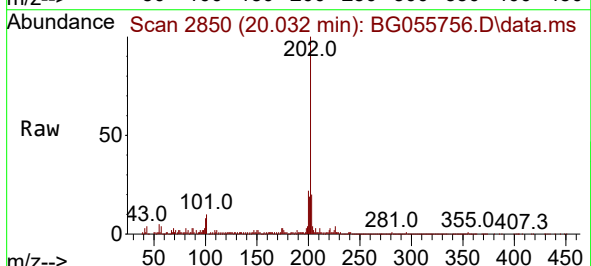
Tgt Ion:202 Resp: 406757

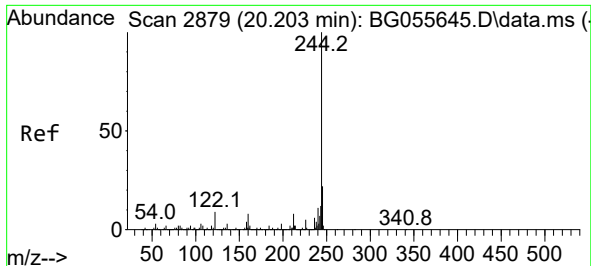
Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.6

203 20.2 14.4 21.6

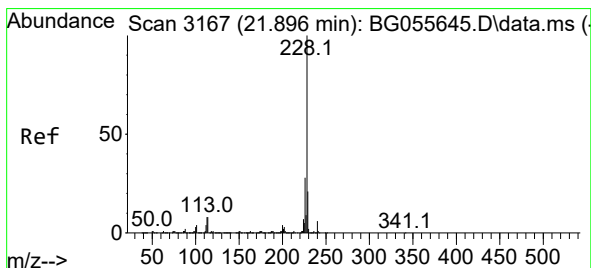
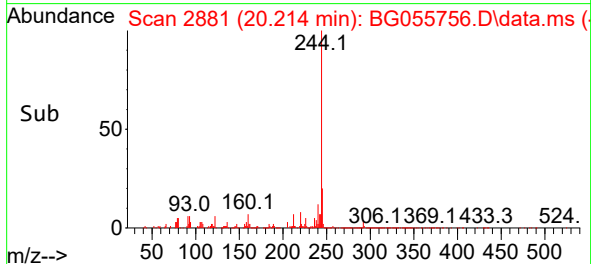
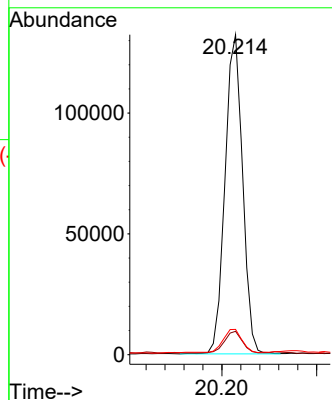
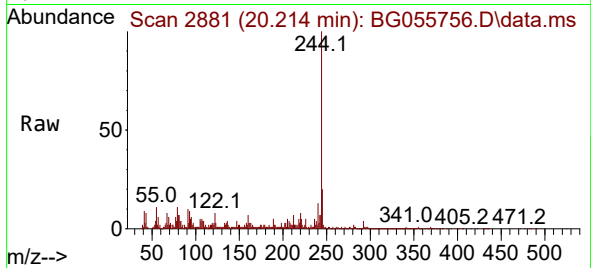




#79
 Terphenyl-d14
 Concen: 13.448 ng
 RT: 20.214 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

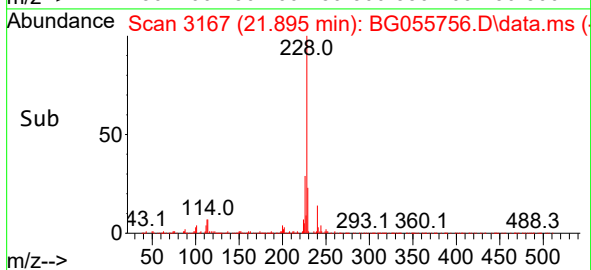
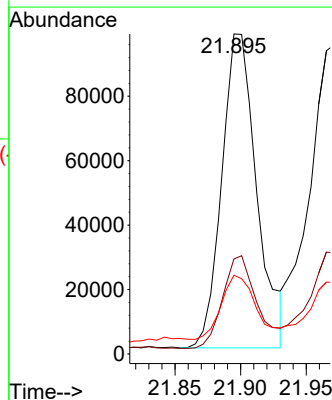
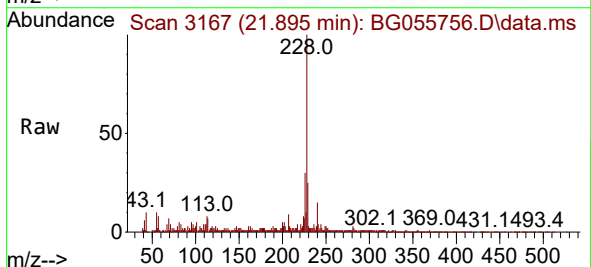
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822

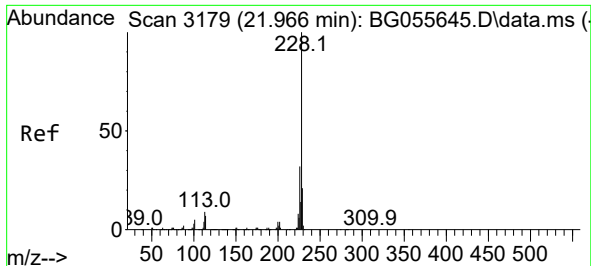
Tgt Ion:244 Resp: 169948
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 7.9 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 10.392 ng
 RT: 21.895 min Scan# 3167
 Delta R.T. 0.012 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

Tgt Ion:228 Resp: 180909
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.7 34.1
 229 24.6 16.5 24.7

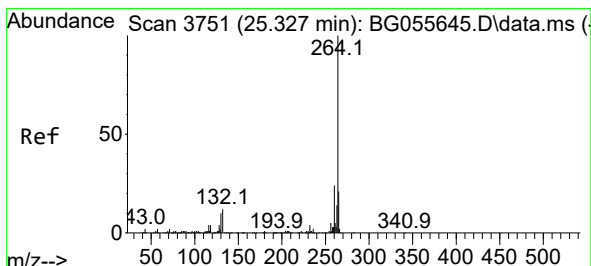
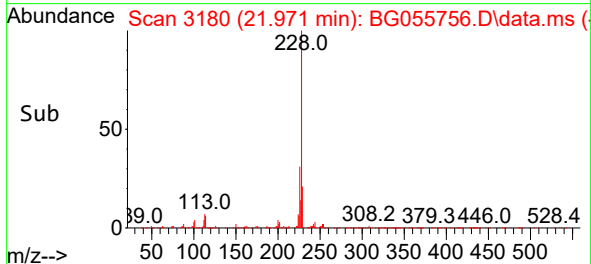
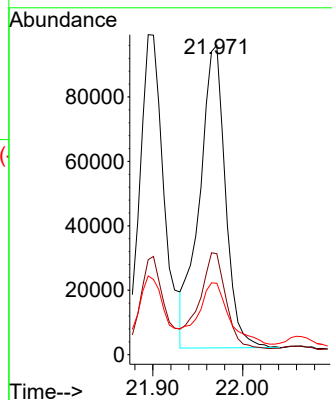
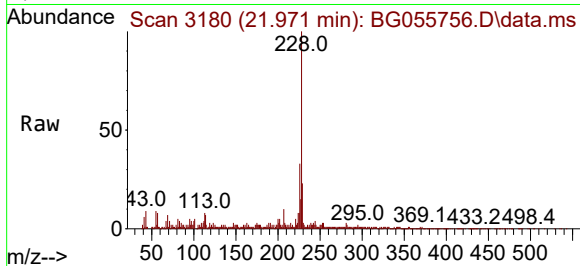




#83
Chrysene
Concen: 11.418 ng
RT: 21.971 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

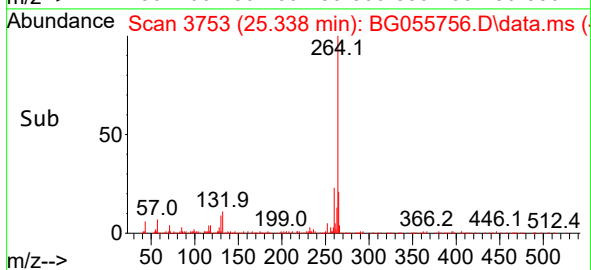
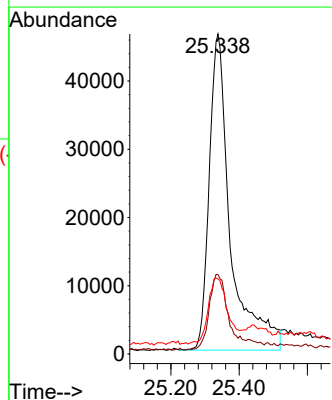
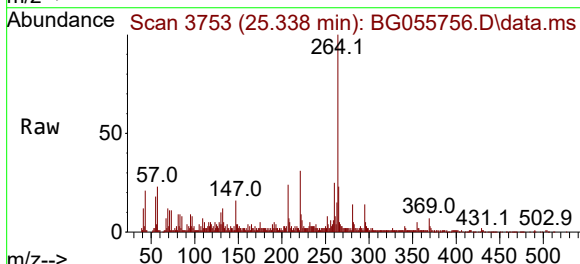
Instrument :
BNA_G
ClientSampleId :
TR-04-111822

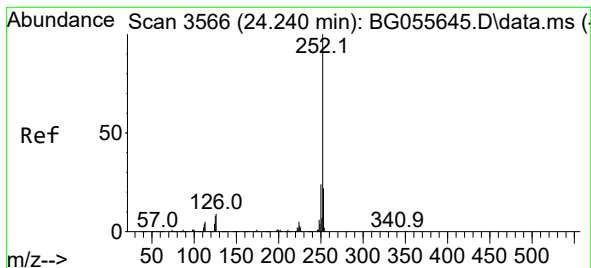
Tgt Ion:228 Resp: 189233
Ion Ratio Lower Upper
228 100
226 32.7 25.4 38.2
229 23.1 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 3753
Delta R.T. 0.036 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:264 Resp: 200304
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.4 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 8.194 ng

RT: 24.245 min Scan# 3567

Delta R.T. 0.024 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

TR-04-111822

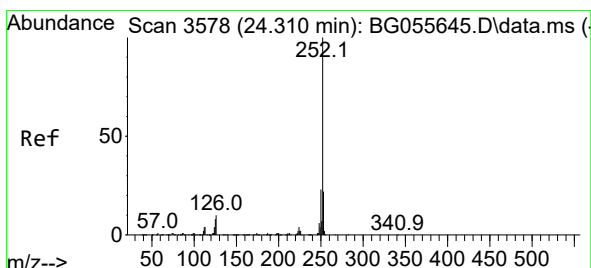
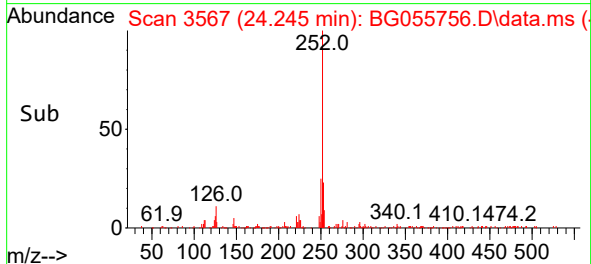
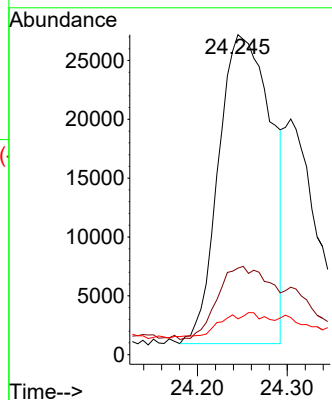
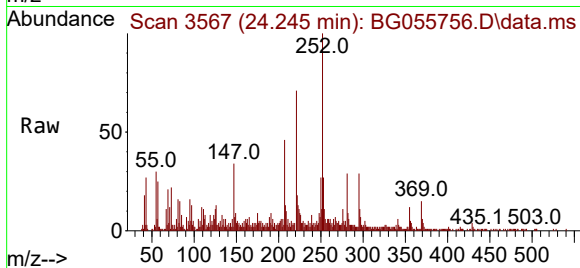
Tgt Ion:252 Resp: 106886

Ion Ratio Lower Upper

252 100

253 27.0 18.0 27.0#

125 11.2 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 8.220 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.047 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

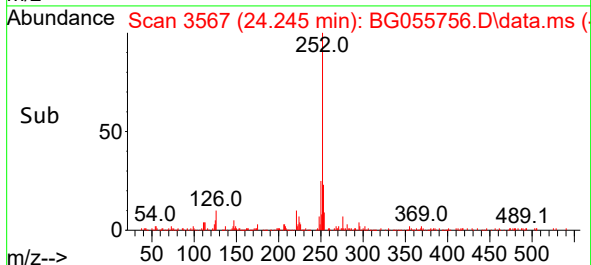
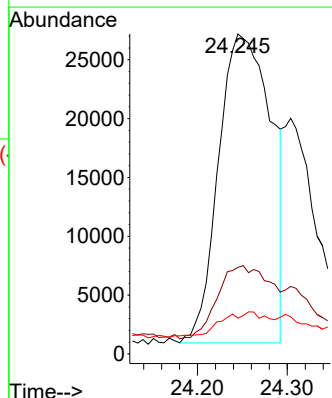
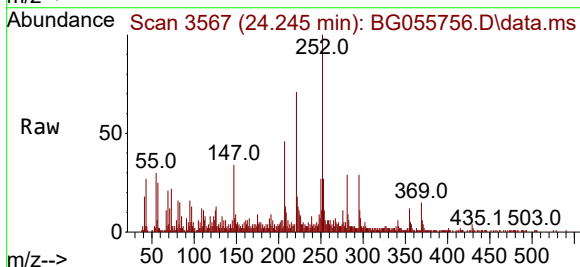
Tgt Ion:252 Resp: 106886

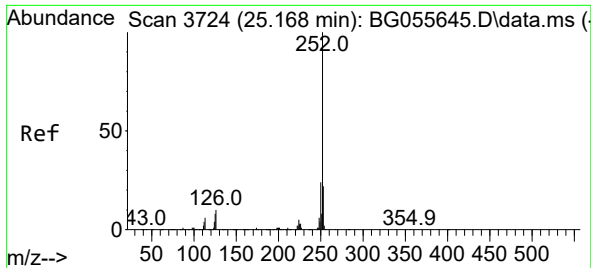
Ion Ratio Lower Upper

252 100

253 27.0 17.8 26.6#

125 11.2 6.1 9.1#





#90
 Benzo(a)pyrene
 Concen: 8.300 ng
 RT: 25.173 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.6
125	12.7	6.4	9.6

