

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
 Data File : BG055794.D
 Acq On : 26 Nov 2022 00:10
 Operator : CG/JU
 Sample : N5745-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 26 01:24:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

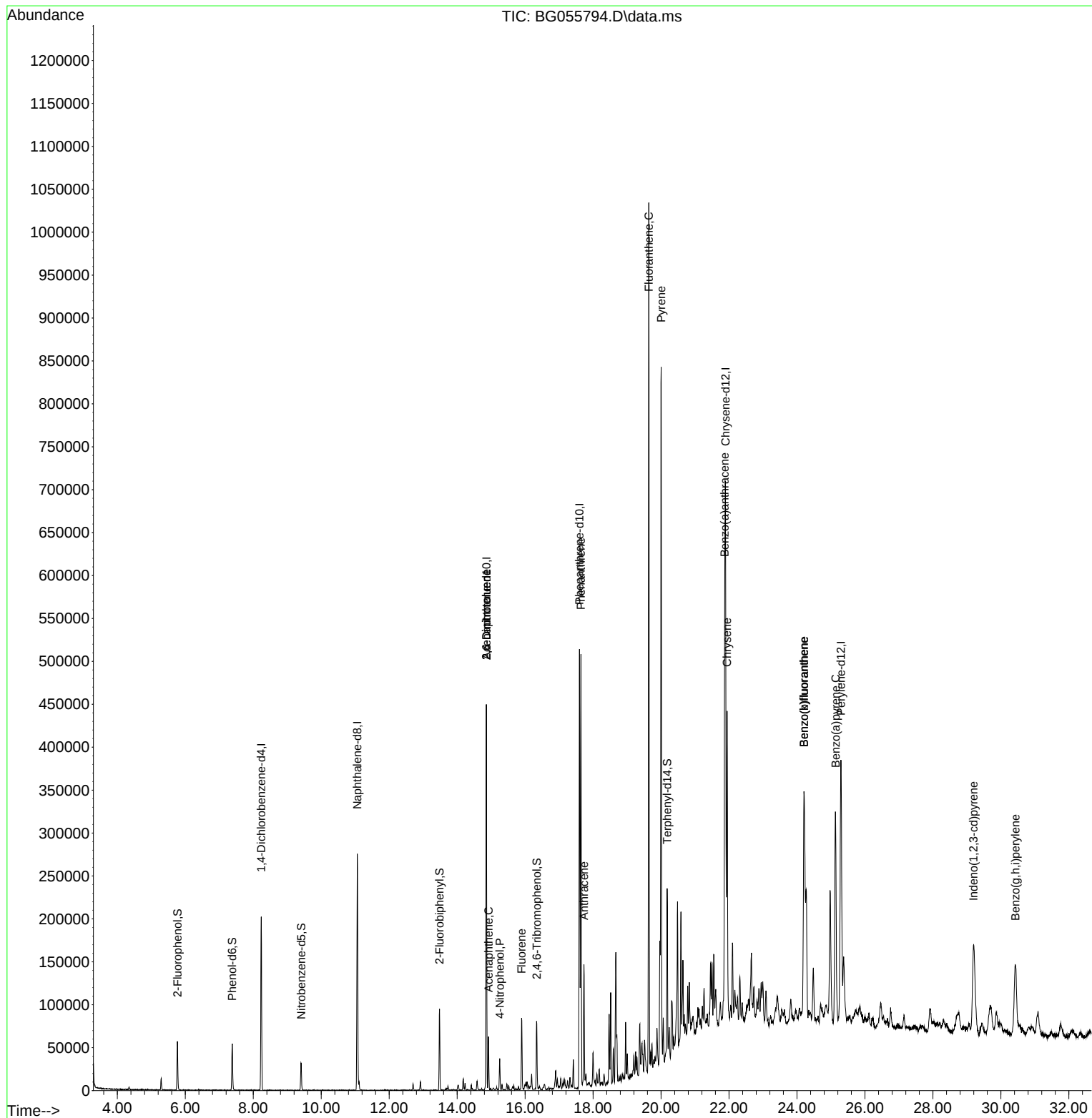
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.235	152	58988	20.000	ng	0.00
21) Naphthalene-d8	11.061	136	239777	20.000	ng	0.00
39) Acenaphthene-d10	14.857	164	156651	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	332745	20.000	ng	0.00
76) Chrysene-d12	21.896	240	322096	20.000	ng	0.00
86) Perylene-d12	25.292	264	342817	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.767	112	26340	8.071	ng	0.00
7) Phenol-d6	7.377	99	33185	7.639	ng	0.00
23) Nitrobenzene-d5	9.410	82	20670	4.556	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	13965	6.331	ng	0.00
45) 2-Fluorobiphenyl	13.482	172	51736	4.948	ng	0.00
79) Terphenyl-d14	20.180	244	80869	5.022	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.857	165	21228	8.314	ng	# 26
52) Acenaphthene	14.921	154	23045	2.413	ng	99
56) 4-Nitrophenol	15.256	139	8009	3.641	ng	# 4
57) 2,4-Dinitrotoluene	14.857	165	21228	5.897	ng	# 24
58) Fluorene	15.897	166	39755	3.379	ng	100
71) Phenanthrene	17.642	178	315633	17.578	ng	99
72) Anthracene	17.730	178	96284	5.519	ng	97
75) Fluoranthene	19.639	202	618378	28.307	ng	99
78) Pyrene	20.004	202	535675	24.570	ng	99
81) Benzo(a)anthracene	21.872	228	296390	13.360	ng	99
83) Chrysene	21.943	228	256235	12.133	ng	99
87) Indeno(1,2,3-cd)pyrene	29.193	276	188502	6.712	ng	# 97
88) Benzo(b)fluoranthene	24.205	252	365972	16.392	ng	99
89) Benzo(k)fluoranthene	24.205	252	366470	16.467	ng	98
90) Benzo(a)pyrene	25.133	252	284817	14.866	ng	99
92) Benzo(g,h,i)perylene	30.427	276	175418	7.584	ng	98

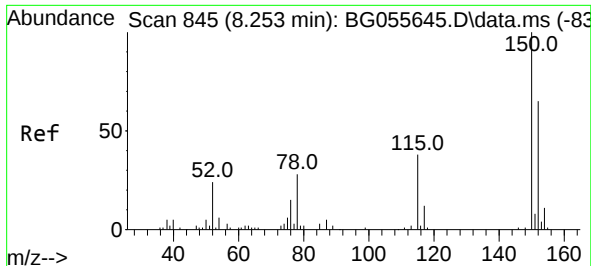
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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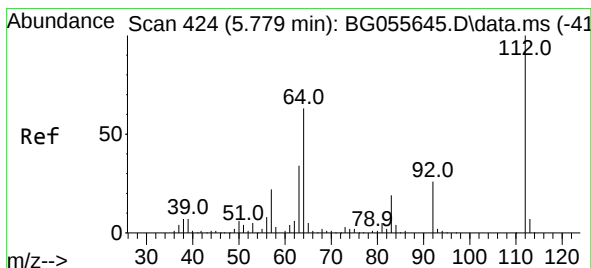
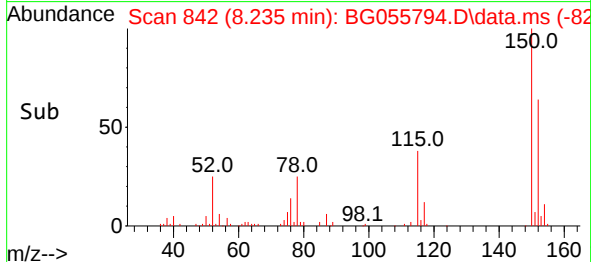
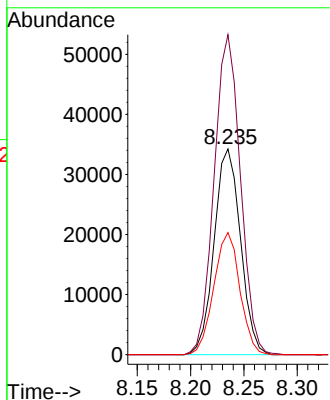
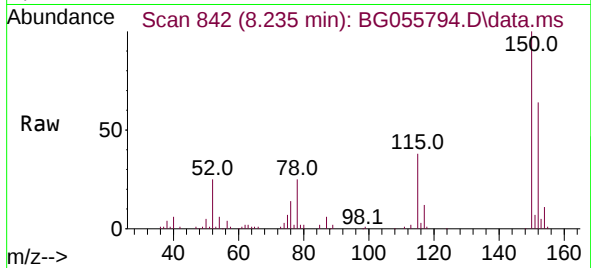




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.235 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

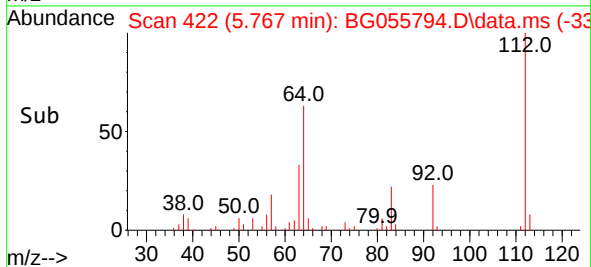
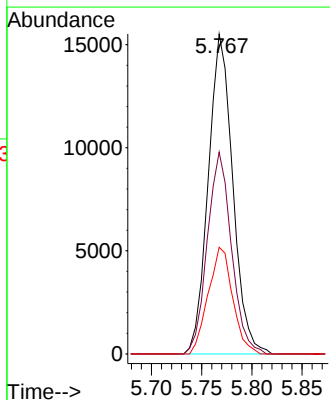
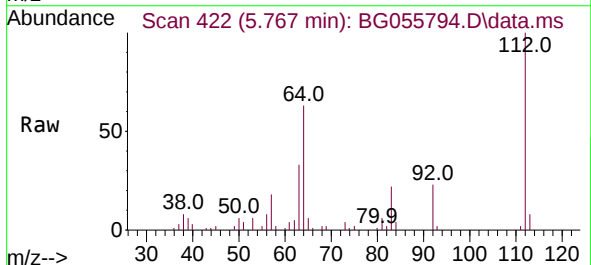
Instrument :
BNA_G
ClientSampleId :

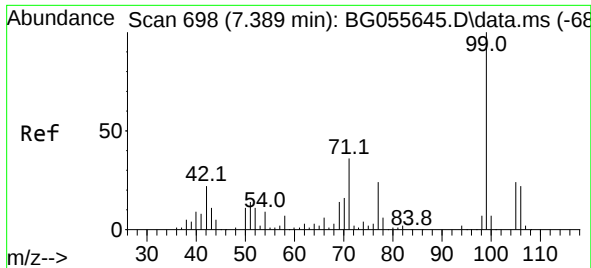
Tgt Ion:152 Resp: 58988
Ion Ratio Lower Upper
152 100
150 155.6 123.0 184.6
115 59.3 47.0 70.4



#5
2-Fluorophenol
Concen: 8.071 ng
RT: 5.767 min Scan# 422
Delta R.T. -0.000 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:112 Resp: 26340
Ion Ratio Lower Upper
112 100
64 63.1 50.6 76.0
63 33.3 27.5 41.3

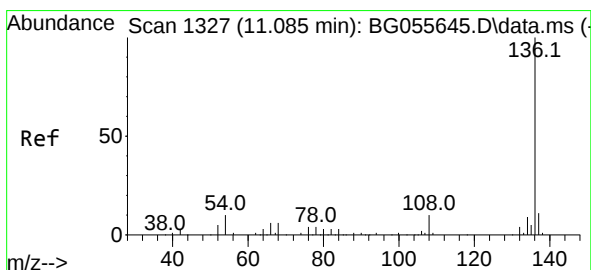
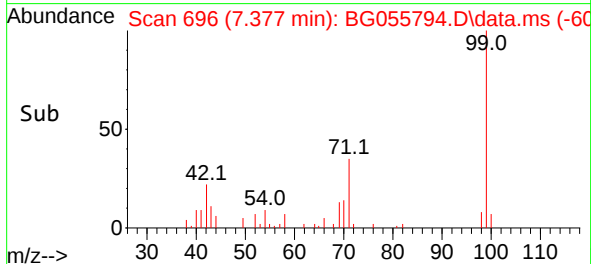
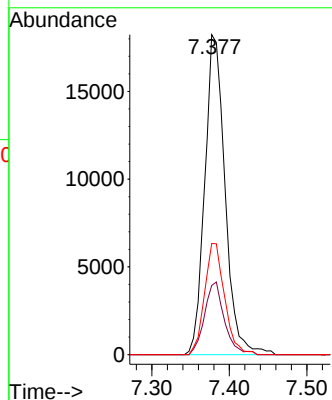
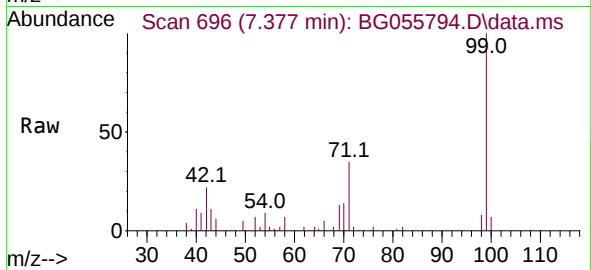




#7
Phenol-d6
Concen: 7.639 ng
RT: 7.377 min Scan# 69
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

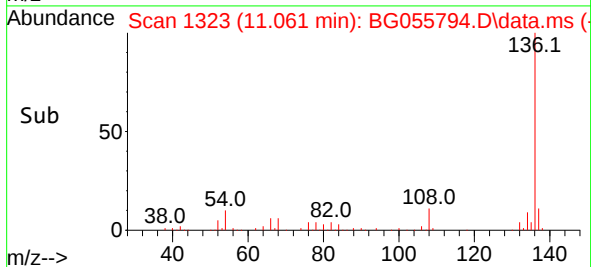
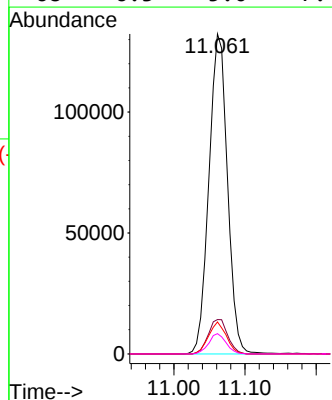
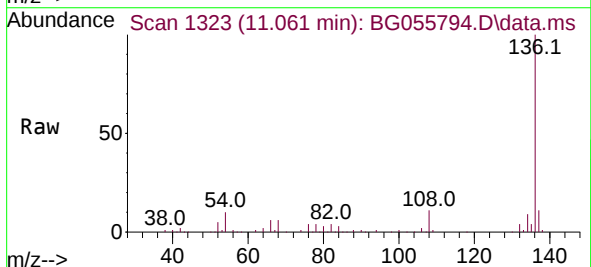
Instrument :
BNA_G
ClientSampleId :

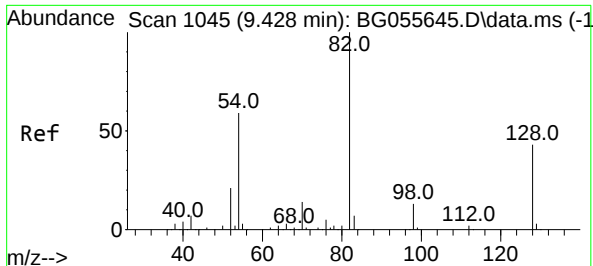
Tgt Ion: 99	Resp: 33185
Ion Ratio	Lower Upper
99 100	
42 21.7	18.0 27.0
71 34.7	29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion: 136	Resp: 239777
Ion Ratio	Lower Upper
136 100	
137 10.7	9.0 13.6
54 10.0	7.8 11.6
68 6.3	5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.556 ng

RT: 9.410 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BG055794.D

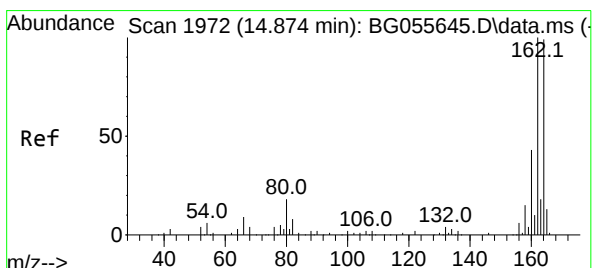
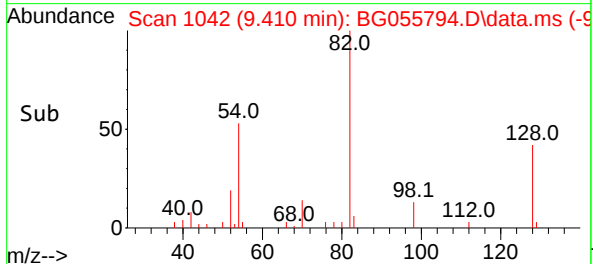
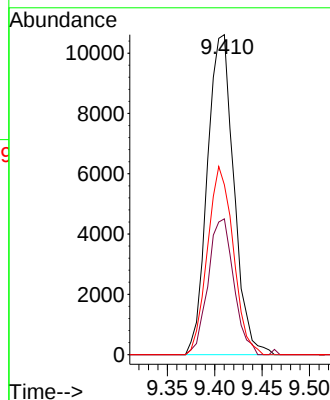
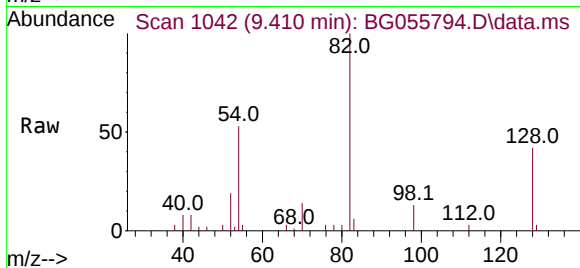
Acq: 26 Nov 2022 00:10

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	82	Resp:	20670
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.1	51.1
54	53.1	47.3	70.9



#39

Acenaphthene-d10

Concen: 20.000 ng

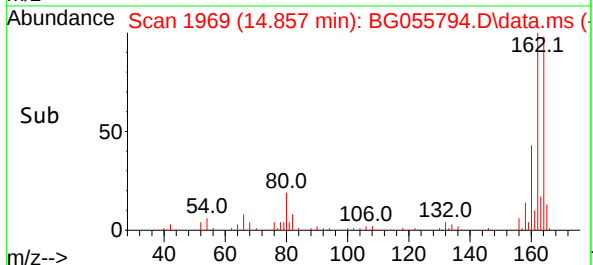
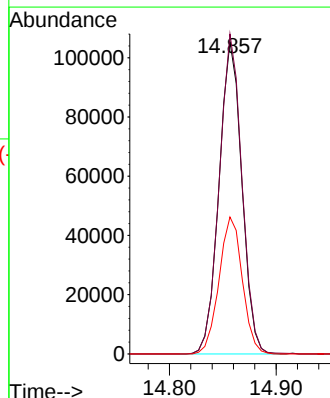
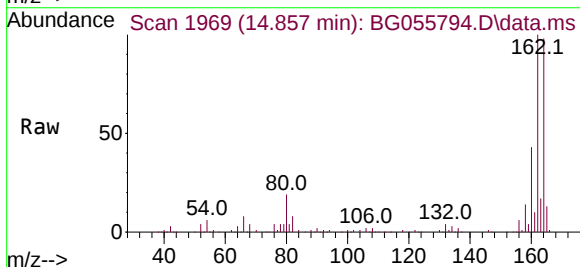
RT: 14.857 min Scan# 1969

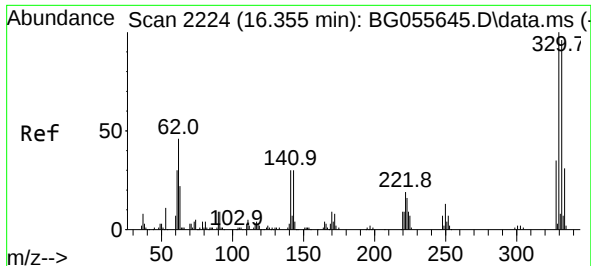
Delta R.T. -0.006 min

Lab File: BG055794.D

Acq: 26 Nov 2022 00:10

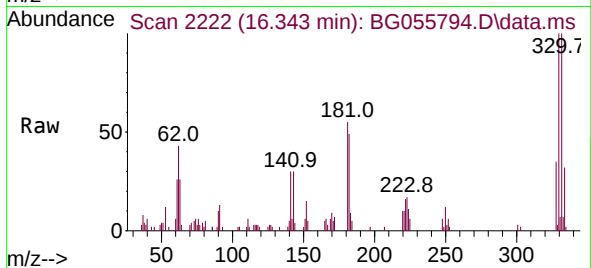
Tgt Ion:	164	Resp:	156651
Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.1	121.7
160	43.8	34.8	52.2



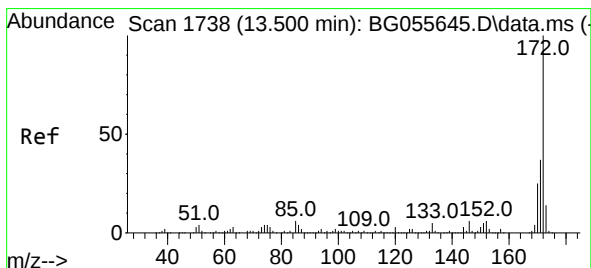
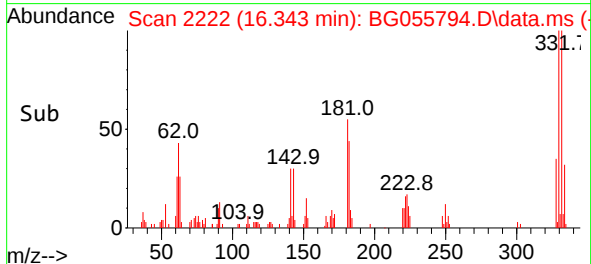
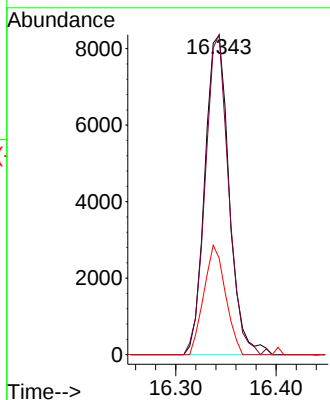


#42
2,4,6-Tribromophenol
Concen: 6.331 ng
RT: 16.343 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :

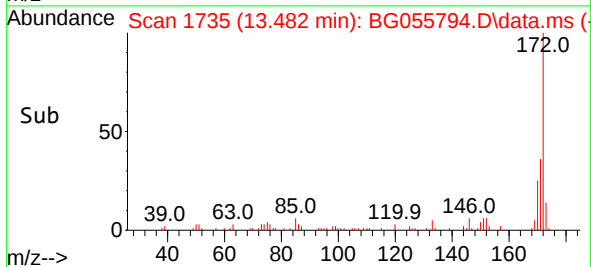
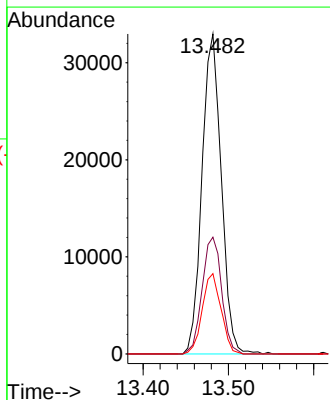
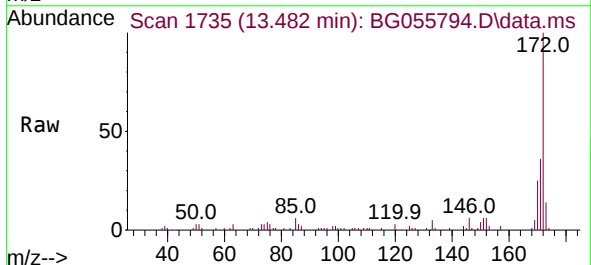


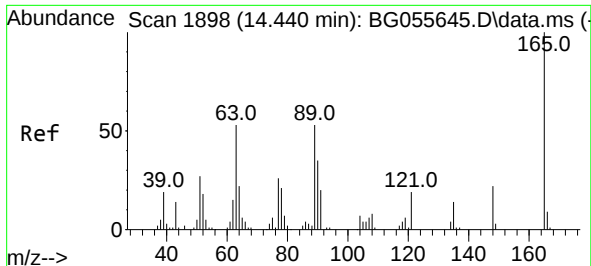
Tgt Ion:330 Resp: 13965
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 30.6 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 4.948 ng
RT: 13.482 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

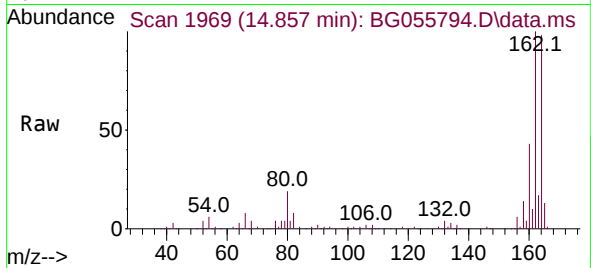
Tgt Ion:172 Resp: 51736
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 25.1 20.2 30.4



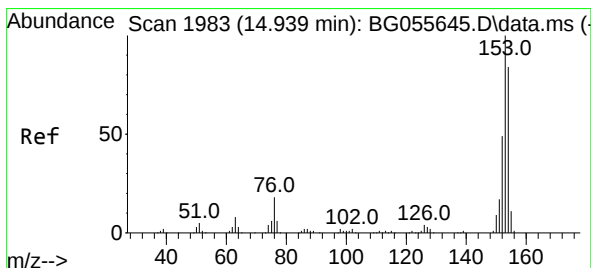
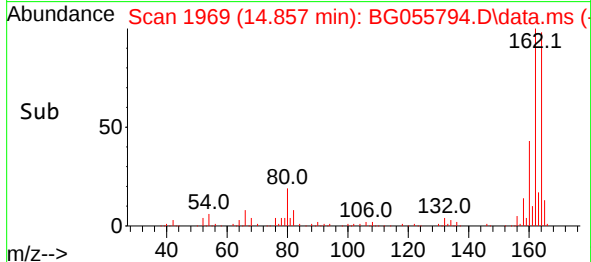
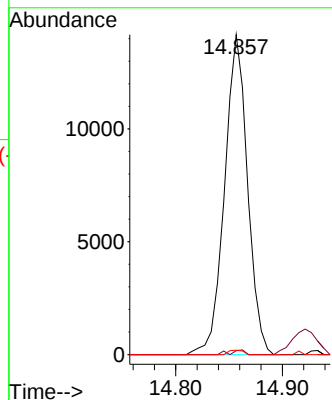


#51
2,6-Dinitrotoluene
Concen: 8.314 ng
RT: 14.857 min Scan# 1969
Delta R.T. 0.423 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :

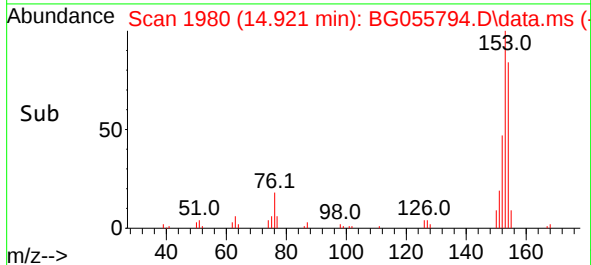
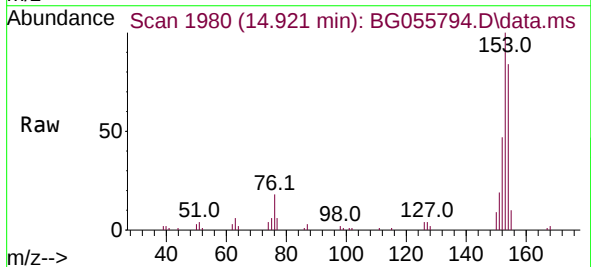
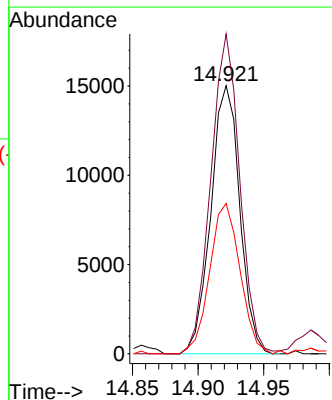


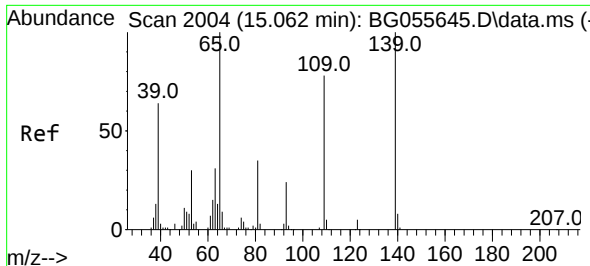
Tgt Ion:165 Resp: 21228
Ion Ratio Lower Upper
165 100
63 1.2 44.6 66.8#
89 1.4 42.2 63.4#



#52
Acenaphthene
Concen: 2.413 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

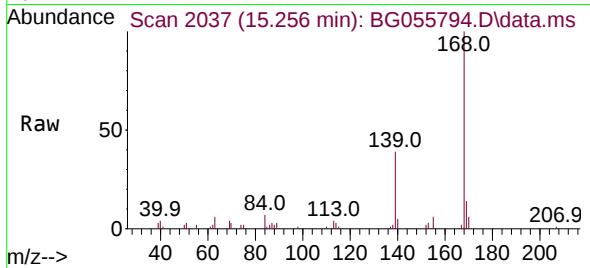
Tgt Ion:154 Resp: 23045
Ion Ratio Lower Upper
154 100
153 119.3 95.0 142.4
152 56.1 46.1 69.1



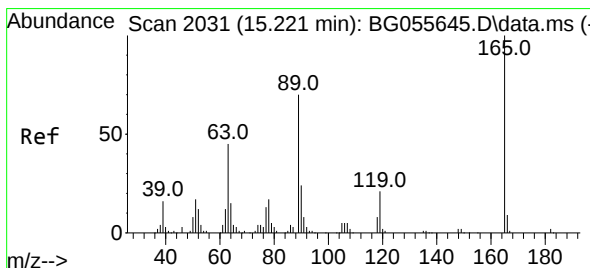
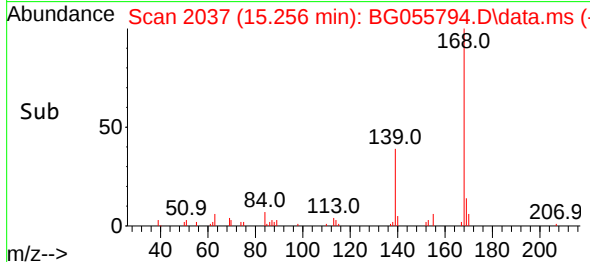
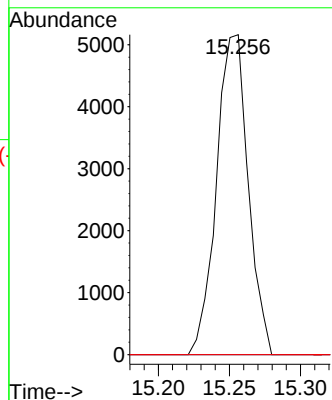


#56
4-Nitrophenol
Concen: 3.641 ng
RT: 15.256 min Scan# 20
Delta R.T. 0.193 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :

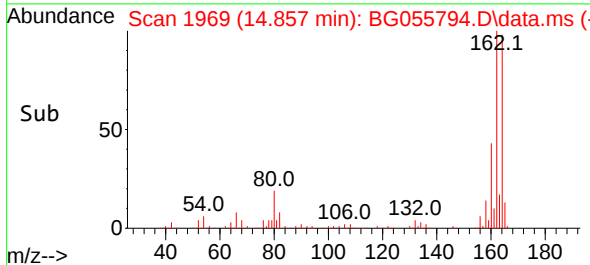
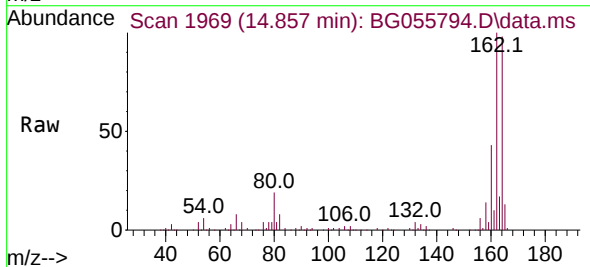
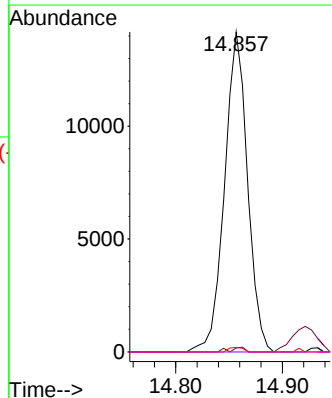


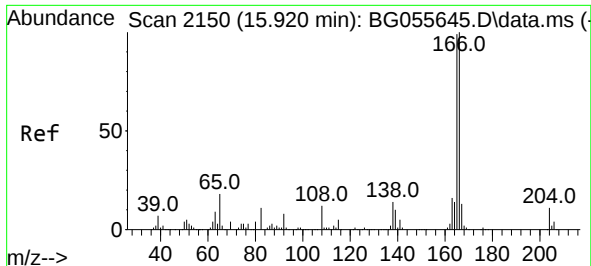
Tgt Ion:139 Resp: 8009
Ion Ratio Lower Upper
139 100
109 0.0 58.6 98.6#
65 0.0 80.5 120.5#



#57
2,4-Dinitrotoluene
Concen: 5.897 ng
RT: 14.857 min Scan# 1969
Delta R.T. -0.359 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:165 Resp: 21228
Ion Ratio Lower Upper
165 100
63 1.2 35.8 53.8#
89 1.4 56.2 84.4#
182 0.0 1.8 2.8#

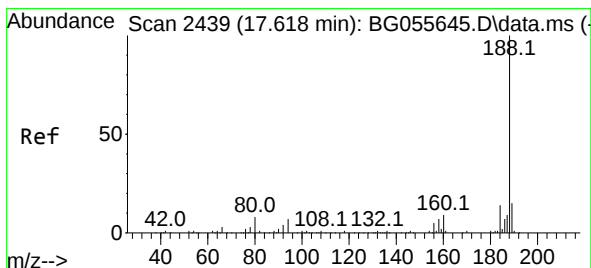
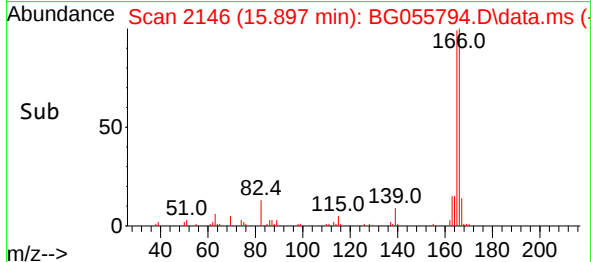
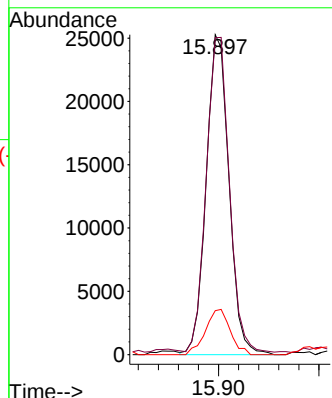
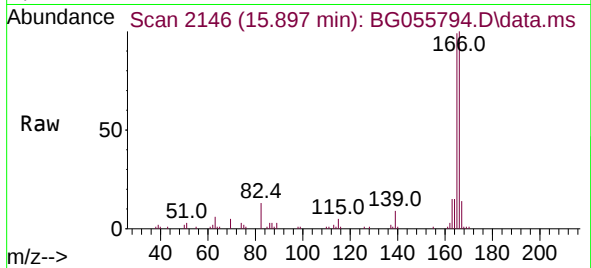




#58
Fluorene
Concen: 3.379 ng
RT: 15.897 min Scan# 2150
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

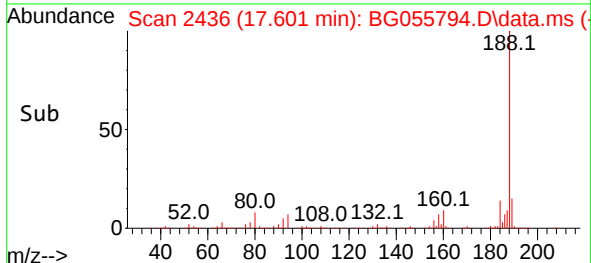
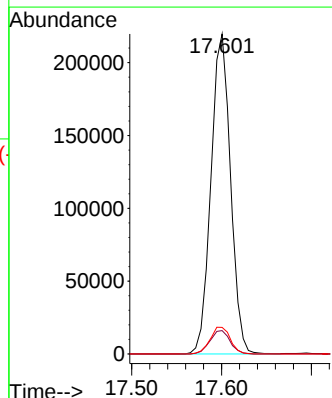
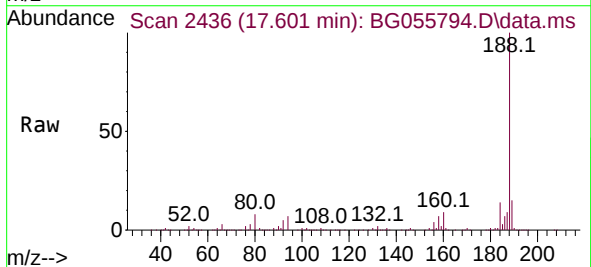
Instrument :
BNA_G
ClientSampleId :

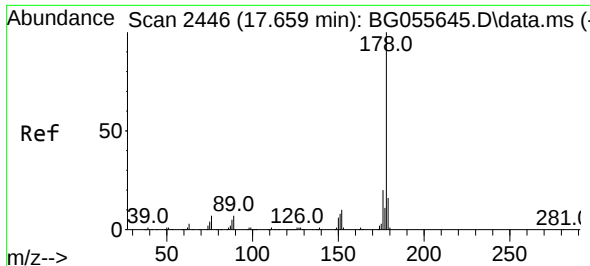
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.3	118.9
167	13.7	10.6	15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.4	8.2
80	8.3	6.6	10.0

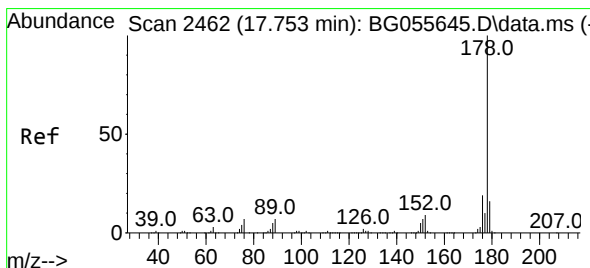
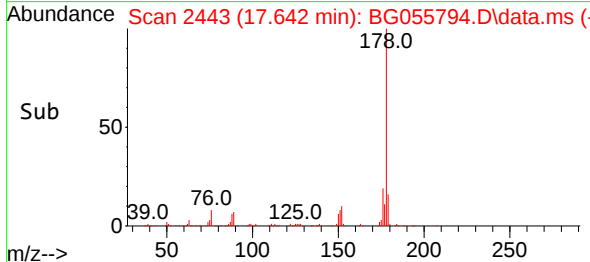
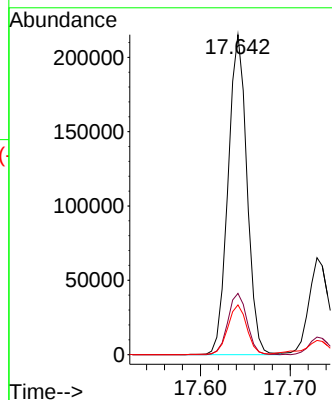
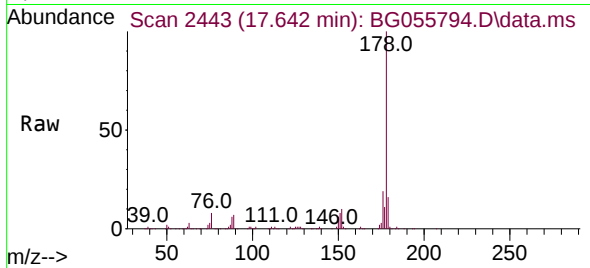




#71
Phenanthrene
Concen: 17.578 ng
RT: 17.642 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

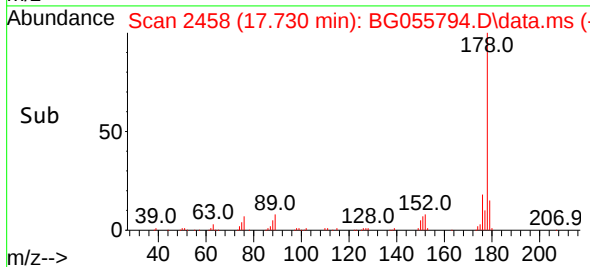
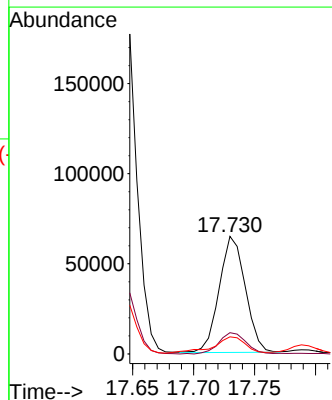
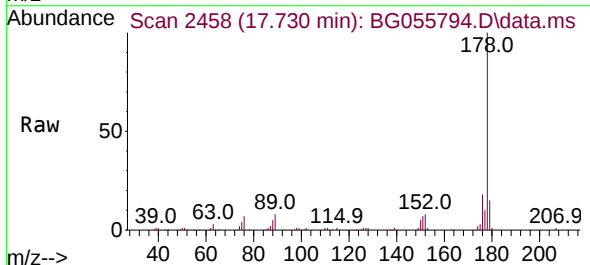
Instrument :
BNA_G
ClientSampleId :

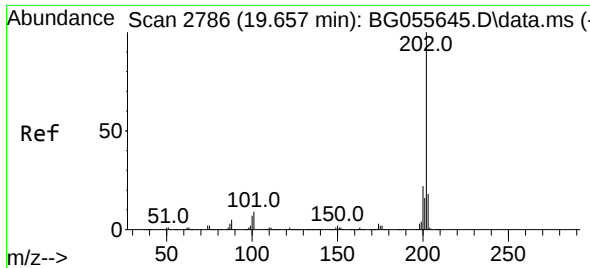
Tgt Ion:178 Resp: 315633
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.5 12.7 19.1



#72
Anthracene
Concen: 5.519 ng
RT: 17.730 min Scan# 2458
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:178 Resp: 96284
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 14.5 12.5 18.7

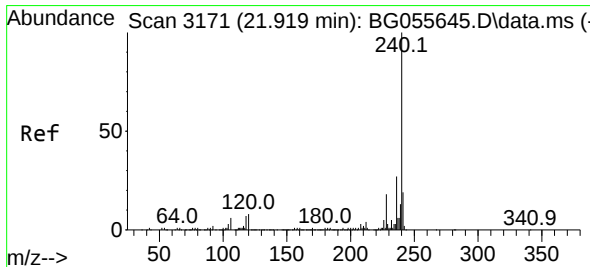
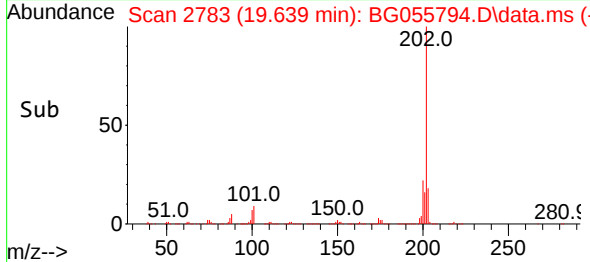
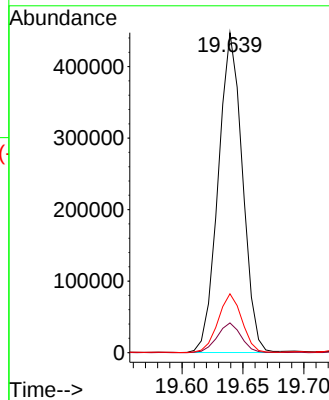
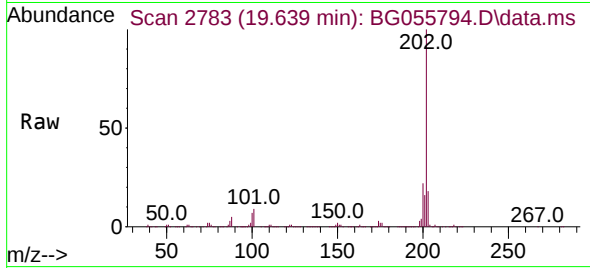




#75
Fluoranthene
Concen: 28.307 ng
RT: 19.639 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

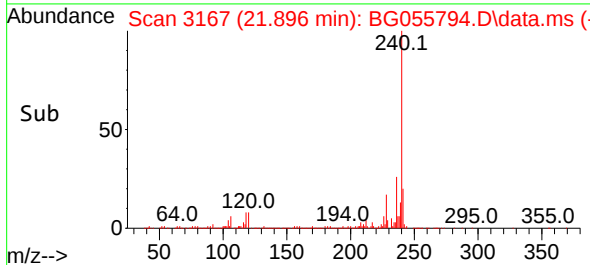
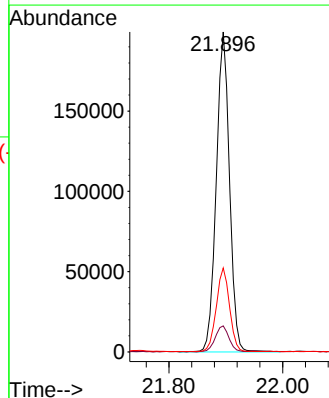
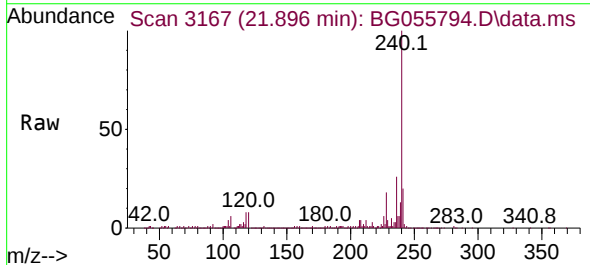
Instrument :
BNA_G
ClientSampleId :

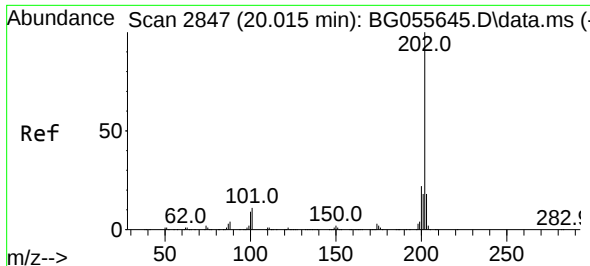
Tgt Ion:202 Resp: 618378
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.8
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:240 Resp: 322096
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.2 21.9 32.9

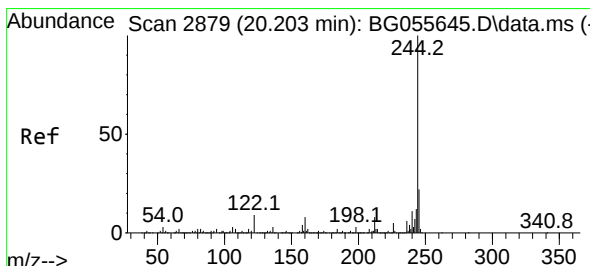
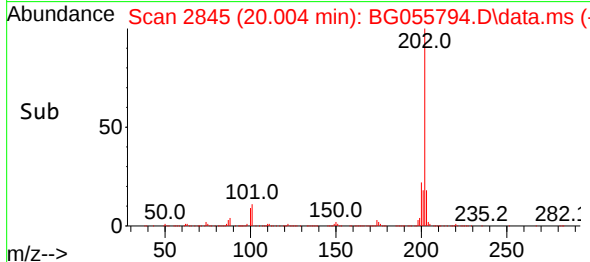
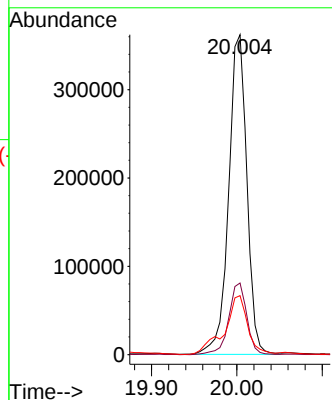
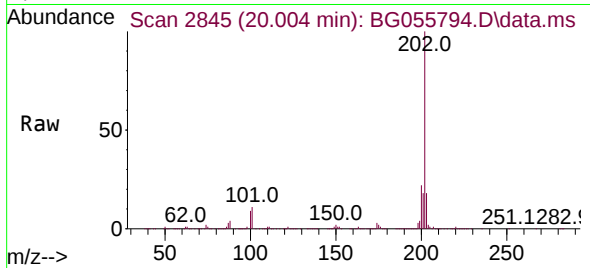




#78
 Pyrene
 Concen: 24.570 ng
 RT: 20.004 min Scan# 2845
 Delta R.T. -0.006 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

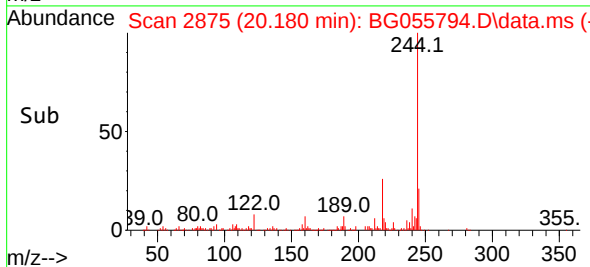
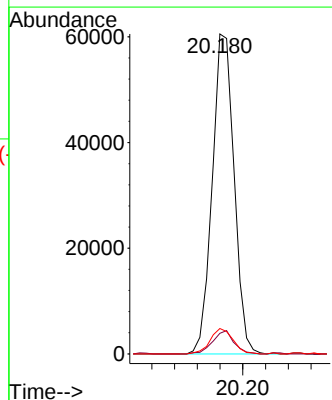
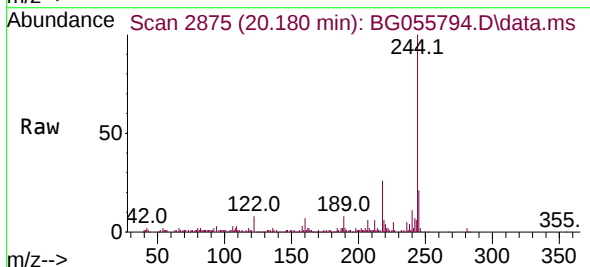
Instrument :
 BNA_G
 ClientSampleId :

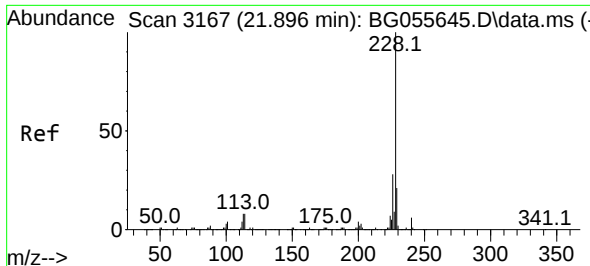
Tgt Ion:202 Resp: 535675
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.8 26.6
 203 18.4 14.4 21.6



#79
 Terphenyl-d14
 Concen: 5.022 ng
 RT: 20.180 min Scan# 2875
 Delta R.T. -0.012 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

Tgt Ion:244 Resp: 80869
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.3 9.5
 122 7.9 6.9 10.3

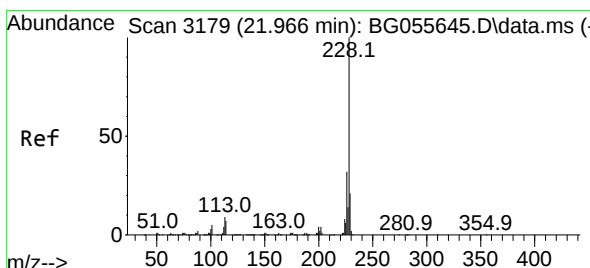
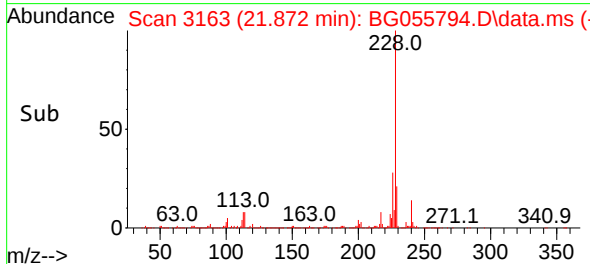
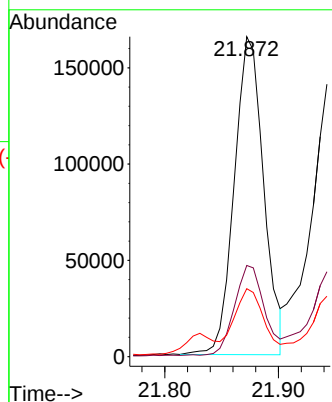
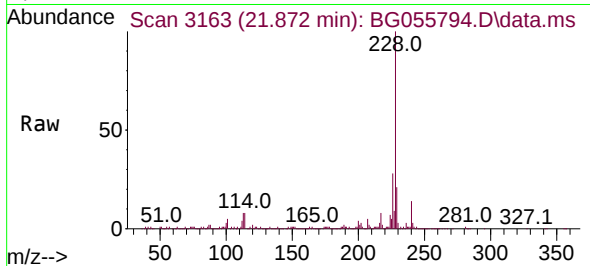




#81
Benzo(a)anthracene
Concen: 13.360 ng
RT: 21.872 min Scan# 3163
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

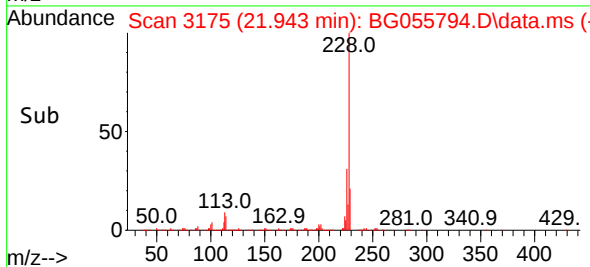
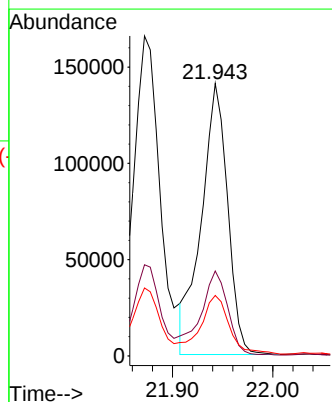
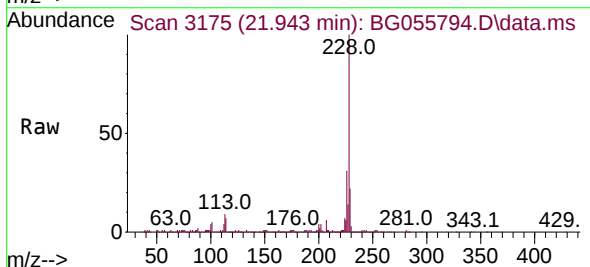
Instrument :
BNA_G
ClientSampleId :

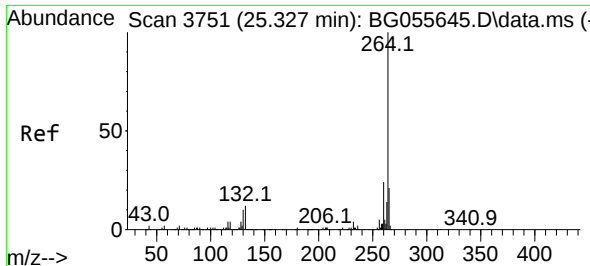
Tgt Ion:228 Resp: 296390
Ion Ratio Lower Upper
228 100
226 28.5 22.7 34.1
229 21.2 16.5 24.7



#83
Chrysene
Concen: 12.133 ng
RT: 21.943 min Scan# 3175
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:228 Resp: 256235
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.2
229 22.2 17.1 25.7

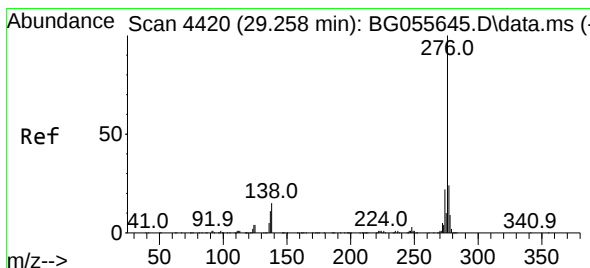
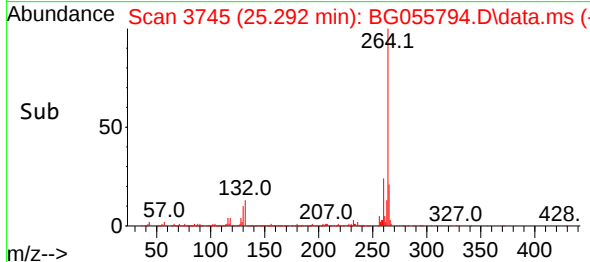
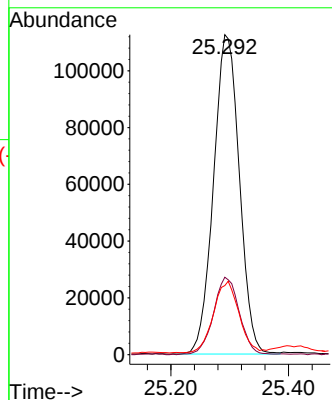
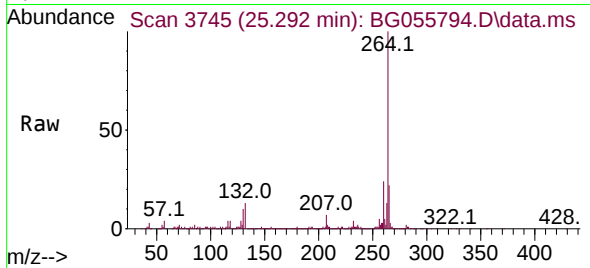




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.292 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

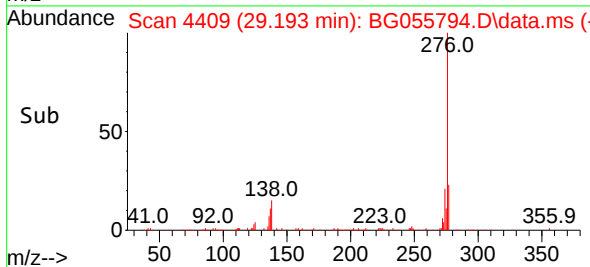
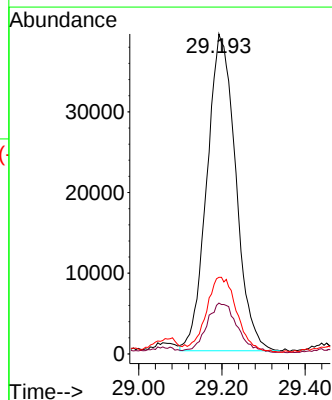
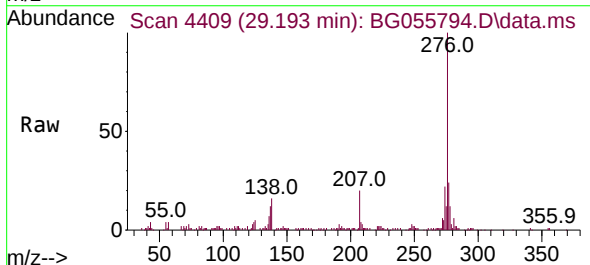
Instrument :
 BNA_G
 ClientSampleId :

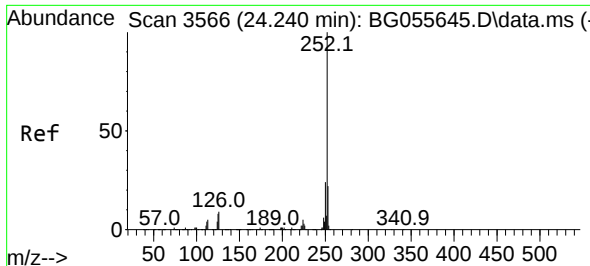
Tgt Ion:264 Resp: 342817
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.6 17.1 25.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.712 ng
 RT: 29.193 min Scan# 4409
 Delta R.T. -0.042 min
 Lab File: BG055794.D
 Acq: 26 Nov 2022 00:10

Tgt Ion:276 Resp: 188502
 Ion Ratio Lower Upper
 276 100
 138 16.5 10.4 15.6#
 277 25.2 20.2 30.4

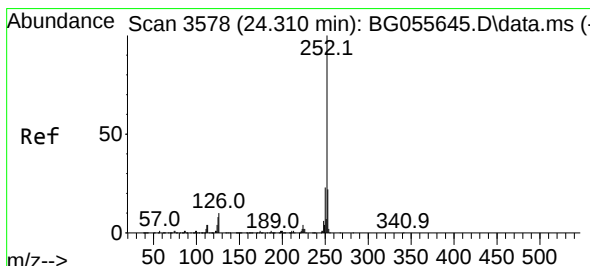
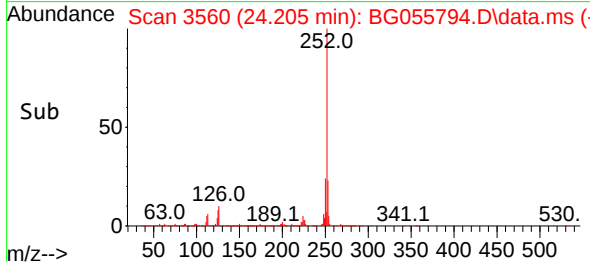
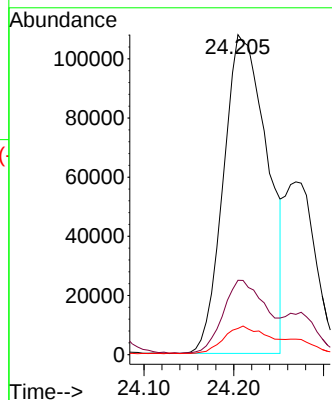
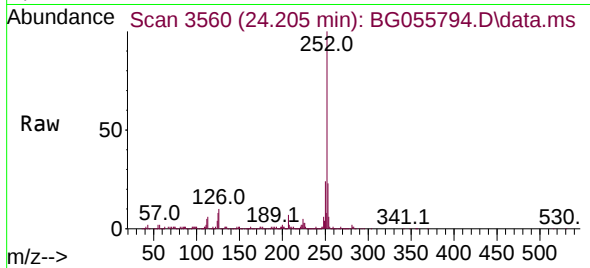




#88
Benzo(b)fluoranthene
Concen: 16.392 ng
RT: 24.205 min Scan# 3560
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

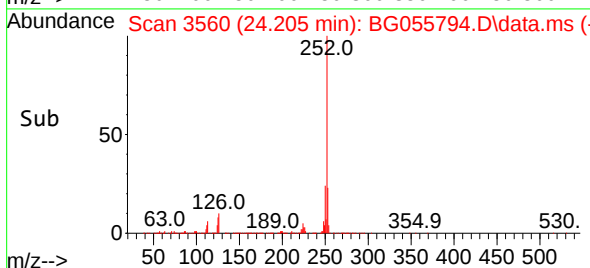
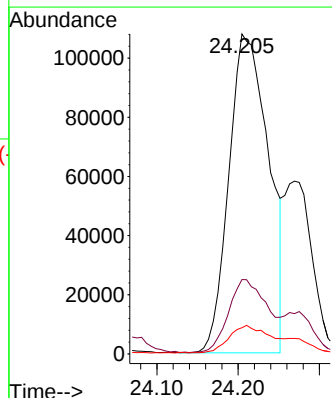
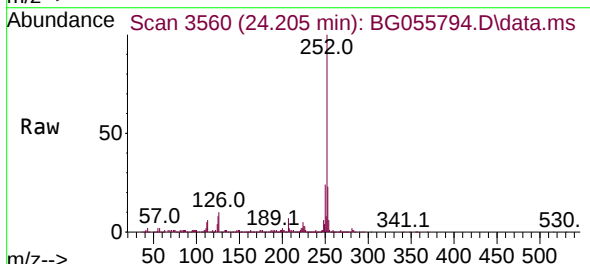
Instrument :
BNA_G
ClientSampleId :

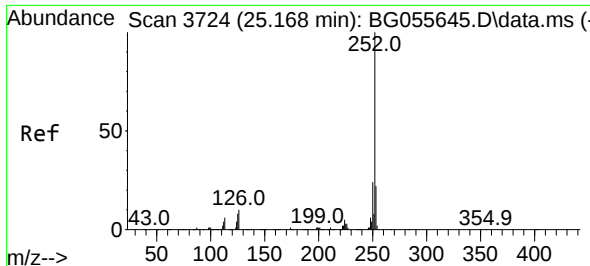
Tgt Ion:252 Resp: 365972
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.2 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 16.467 ng
RT: 24.205 min Scan# 3560
Delta R.T. -0.089 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:252 Resp: 366470
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 8.2 6.1 9.1

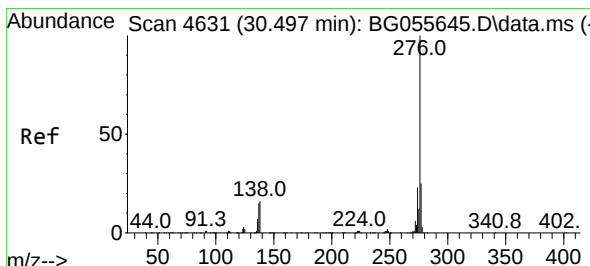
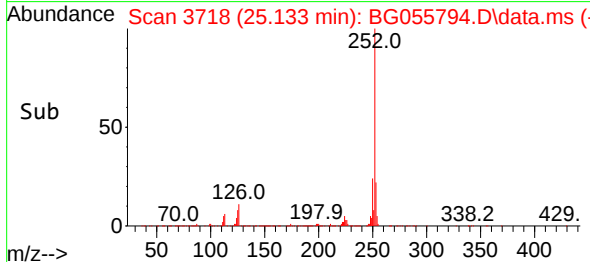
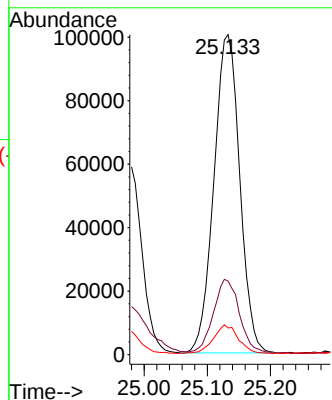
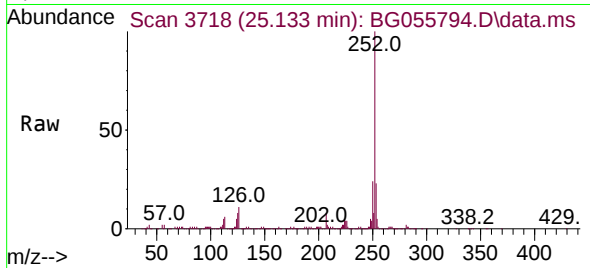




#90
Benzo(a)pyrene
Concen: 14.866 ng
RT: 25.133 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 284817
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 8.3 6.4 9.6



#92
Benzo(g,h,i)perylene
Concen: 7.584 ng
RT: 30.427 min Scan# 4619
Delta R.T. -0.036 min
Lab File: BG055794.D
Acq: 26 Nov 2022 00:10

Tgt Ion:276 Resp: 175418
Ion Ratio Lower Upper
276 100
277 23.4 19.8 29.6
138 16.0 13.1 19.7

