

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082123\
 Data File : BG058798.D
 Acq On : 21 Aug 2023 17:56
 Operator : MA/JU
 Sample : 04047-03DL 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NEVINS-SB05-Z60-61-QDL

Quant Time: Aug 22 01:28:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

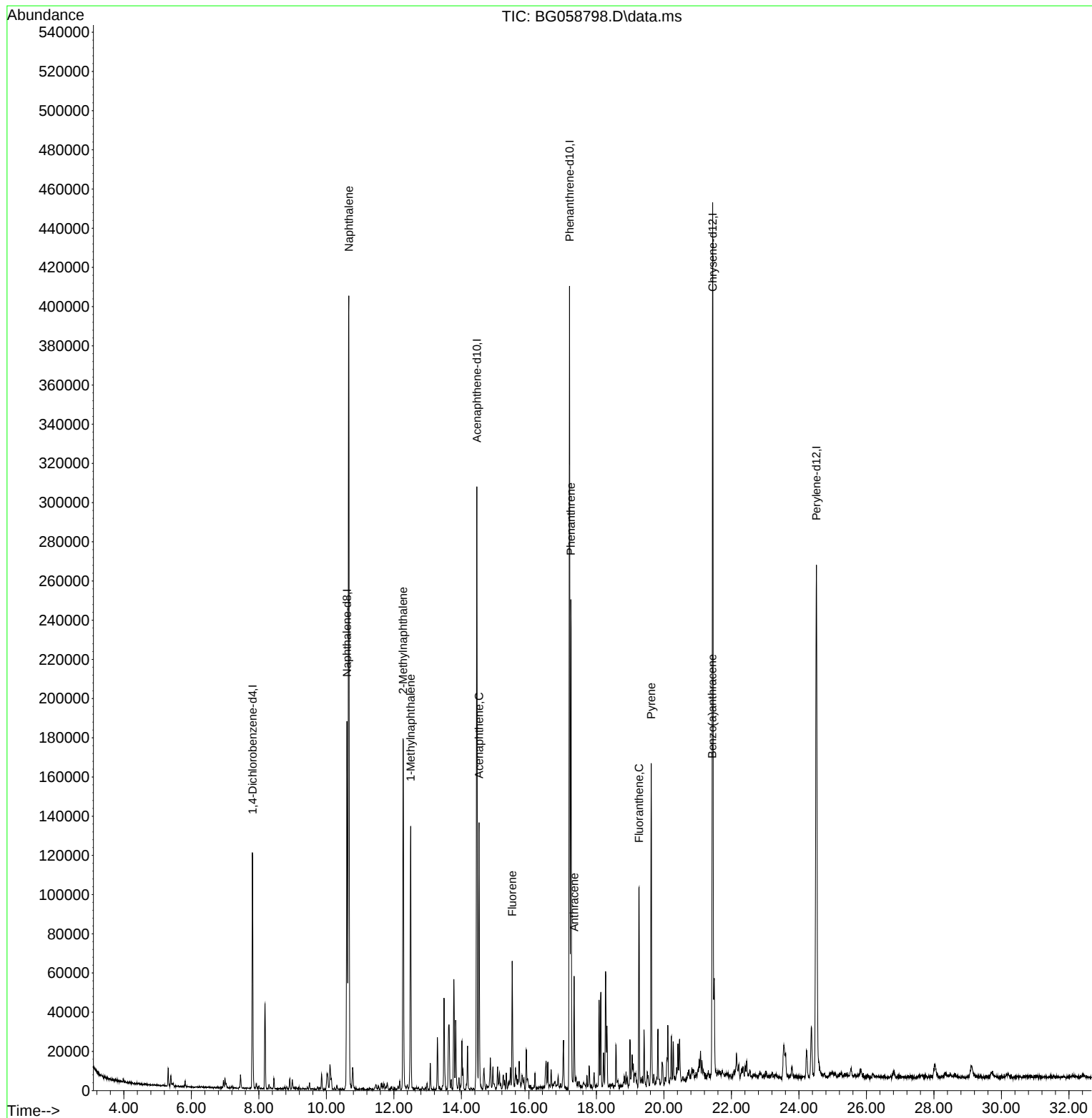
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	33693	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	151158	20.000	ng	0.00
39) Acenaphthene-d10	14.458	164	112377	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	271524	20.000	ng	0.00
76) Chrysene-d12	21.444	240	247483	20.000	ng	0.00
86) Perylene-d12	24.516	264	301772	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	3204	1.530	ng	0.01
7) Phenol-d6	6.996	99	4217	1.436	ng	0.01
23) Nitrobenzene-d5	8.988	82	2516	0.800	ng	0.01
42) 2,4,6-Tribromophenol	15.973	330	1224	0.695	ng	0.02
45) 2-Fluorobiphenyl	13.077	172	8929	1.156	ng	0.00
79) Terphenyl-d14	19.822	244	15960	1.158	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.662	128	337017	42.463	ng	100
37) 2-Methylnaphthalene	12.272	142	93256	16.360	ng	100
38) 1-Methylnaphthalene	12.495	142	66119	12.219	ng	96
52) Acenaphthene	14.522	154	50420	8.624	ng	98
58) Fluorene	15.503	166	31002	3.863	ng	96
71) Phenanthrene	17.243	178	156103	11.976	ng	98
72) Anthracene	17.337	178	40525	3.100	ng	100
75) Fluoranthene	19.264	202	68006	4.207	ng	98
78) Pyrene	19.622	202	105947	6.144	ng	96
81) Benzo(a)anthracene	21.426	228	38259	2.221	ng	96

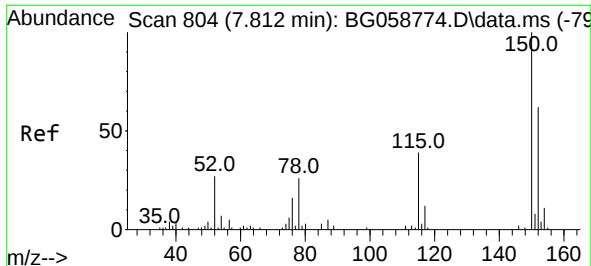
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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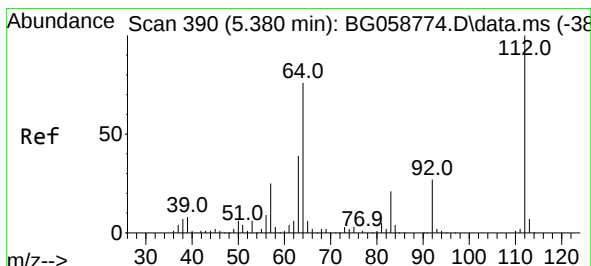
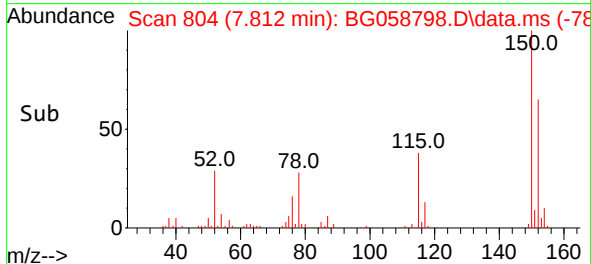
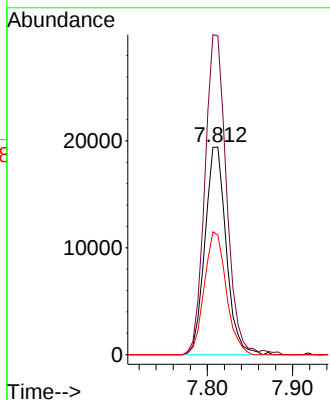
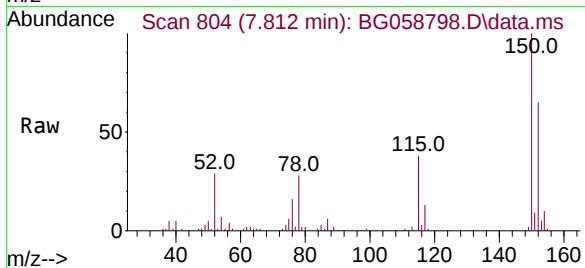




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

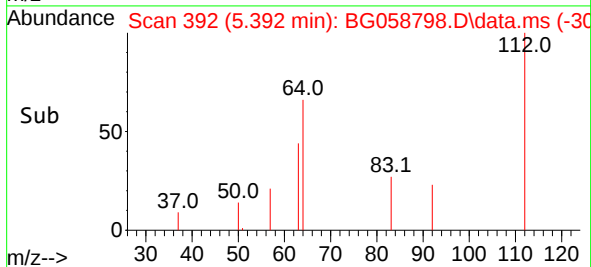
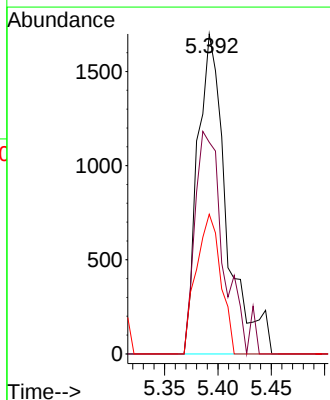
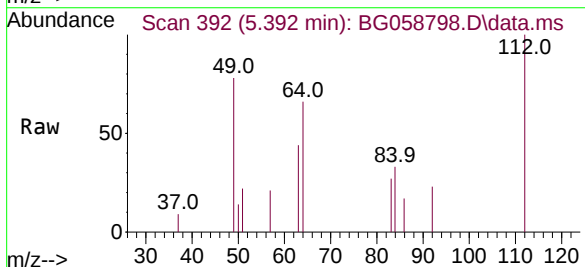
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

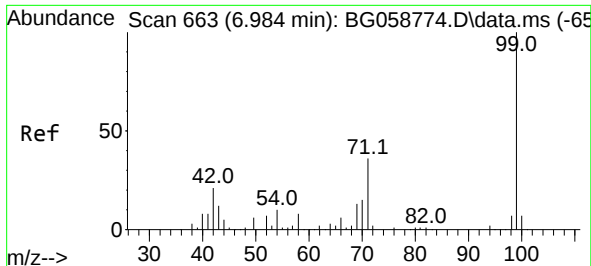
Tgt Ion:152 Resp: 33693
Ion Ratio Lower Upper
152 100
150 153.6 128.6 192.8
115 57.6 50.4 75.6



#5
2-Fluorophenol
Concen: 1.530 ng
RT: 5.392 min Scan# 392
Delta R.T. 0.012 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:112 Resp: 3204
Ion Ratio Lower Upper
112 100
64 66.1 60.6 90.8
63 43.6 31.0 46.4

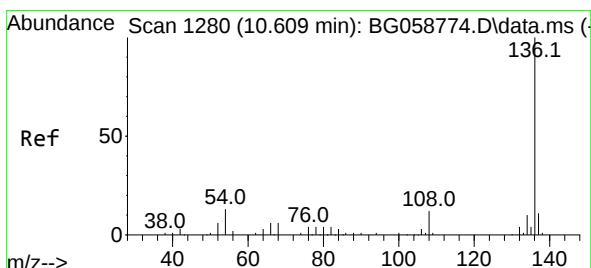
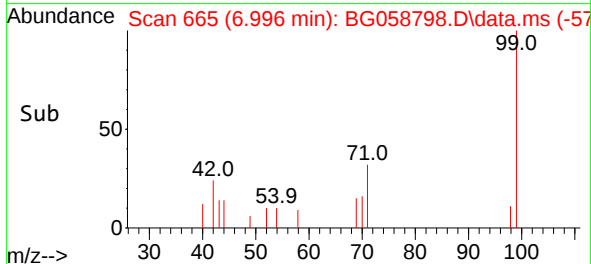
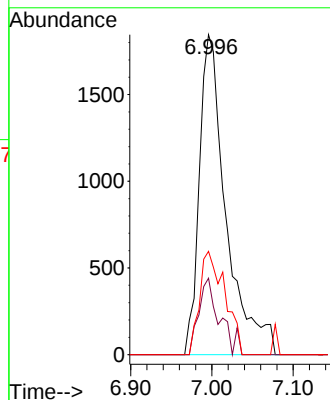
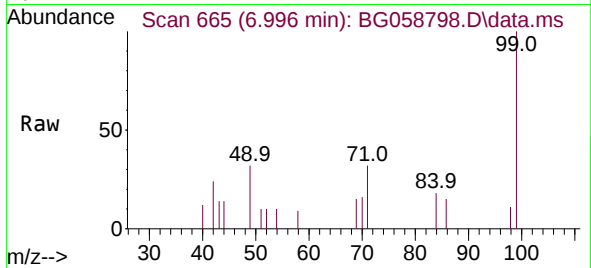




#7
Phenol-d6
Concen: 1.436 ng
RT: 6.996 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

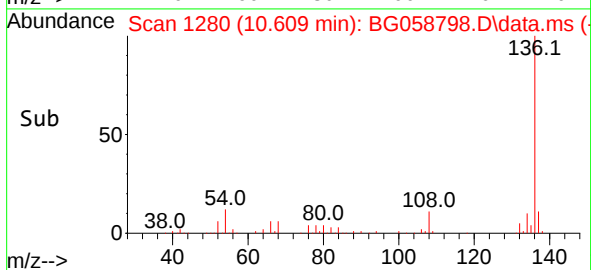
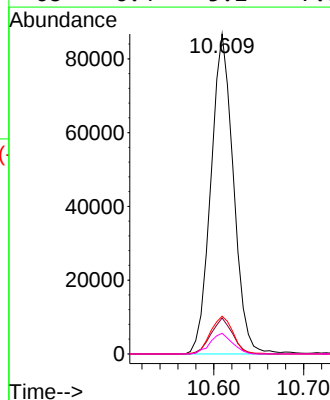
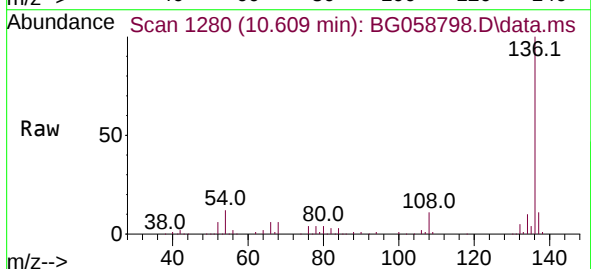
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

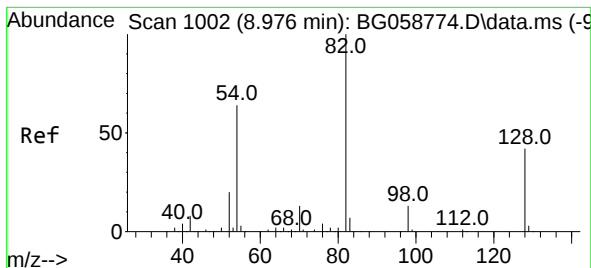
Tgt Ion: 99 Resp: 4217
Ion Ratio Lower Upper
99 100
42 23.9 16.5 24.7
71 32.3 28.4 42.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion: 136 Resp: 151158
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 11.8 10.1 15.1
68 6.4 5.2 7.8





#23

Nitrobenzene-d5

Concen: 0.800 ng

RT: 8.988 min Scan# 1004

Delta R.T. 0.012 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

Instrument :

BNA_G

ClientSampleId :

NEVINS-SB05-Z60-61-QDL

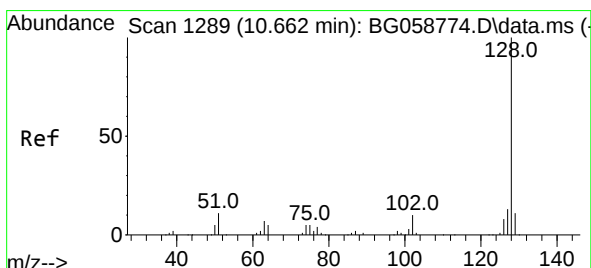
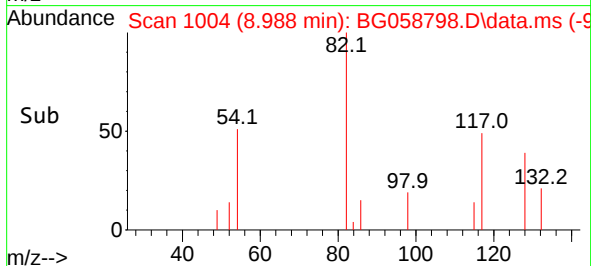
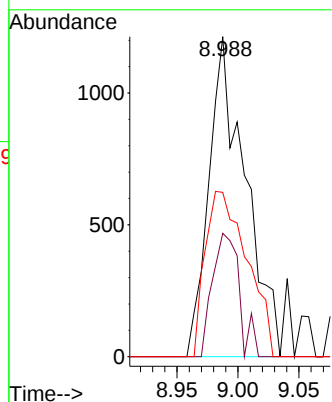
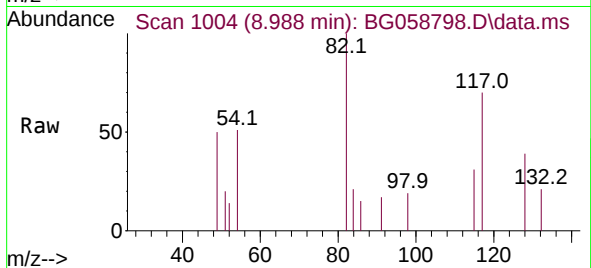
Tgt Ion: 82 Resp: 2516

Ion Ratio Lower Upper

82 100

128 38.6 33.2 49.8

54 51.3 51.2 76.8



#31

Naphthalene

Concen: 42.463 ng

RT: 10.662 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BG058798.D

Acq: 21 Aug 2023 17:56

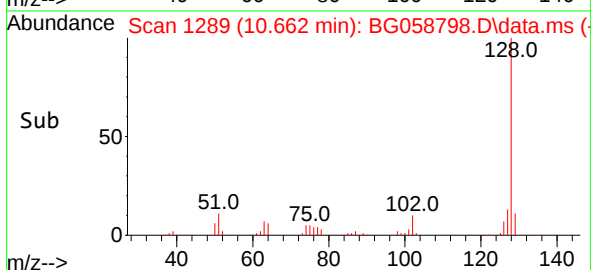
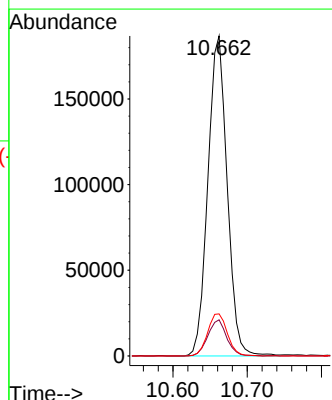
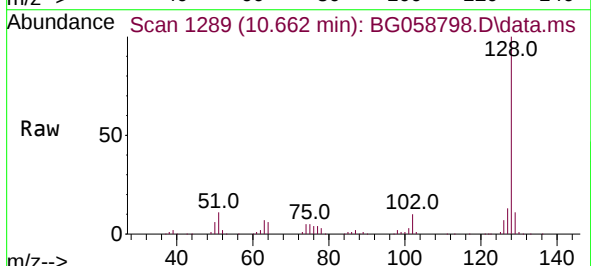
Tgt Ion:128 Resp: 337017

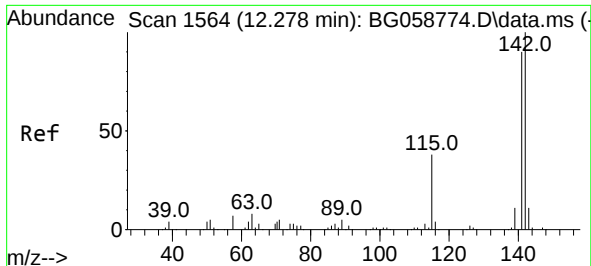
Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

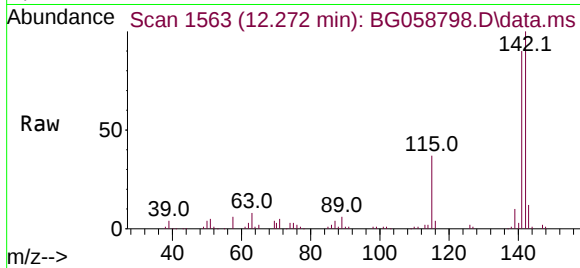
127 13.2 10.6 15.8



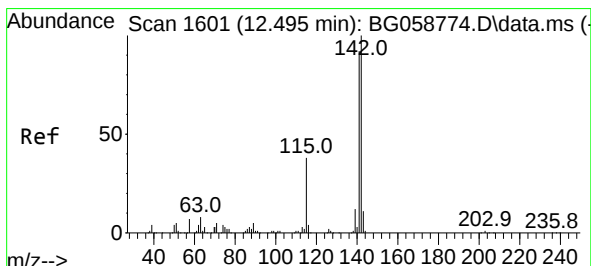
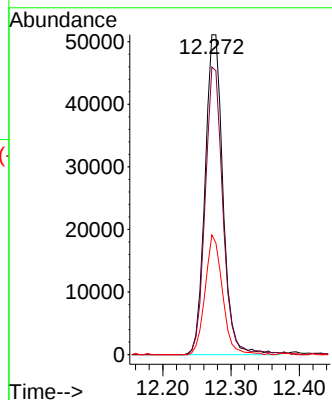
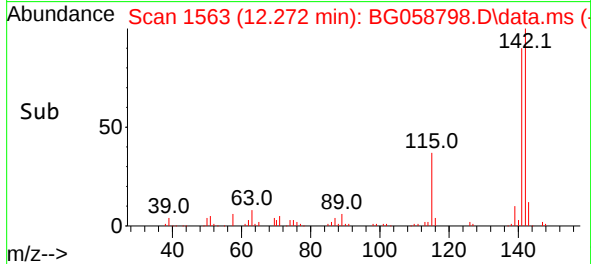


#37
2-Methylnaphthalene
Concen: 16.360 ng
RT: 12.272 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

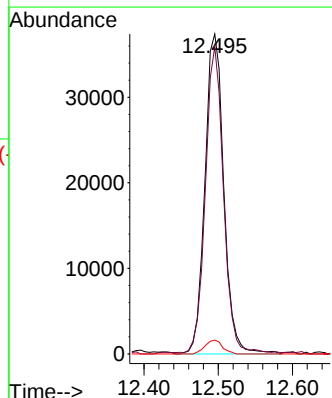
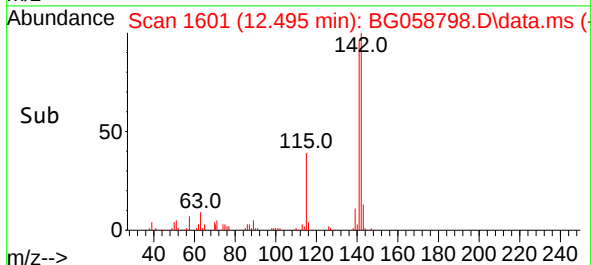
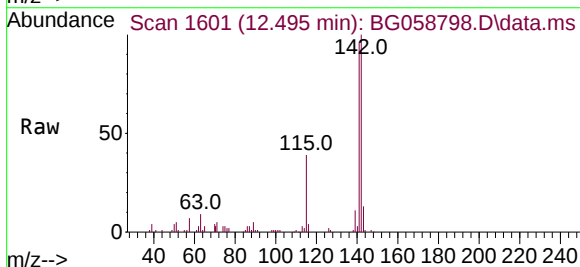


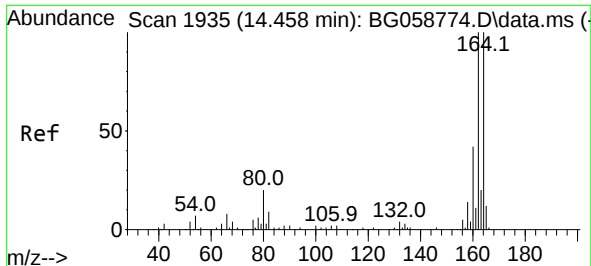
Tgt Ion:142 Resp: 93256
Ion Ratio Lower Upper
142 100
141 89.9 71.8 107.8
115 37.4 30.6 45.8



#38
1-Methylnaphthalene
Concen: 12.219 ng
RT: 12.495 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:142 Resp: 66119
Ion Ratio Lower Upper
142 100
141 96.0 73.9 110.9
116 4.3 3.2 4.8

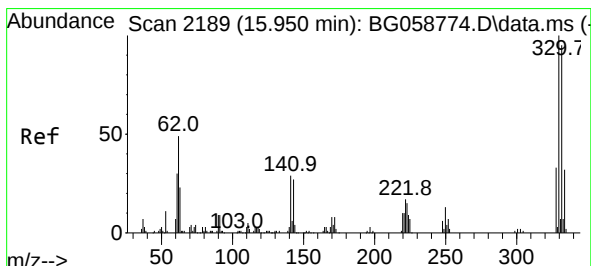
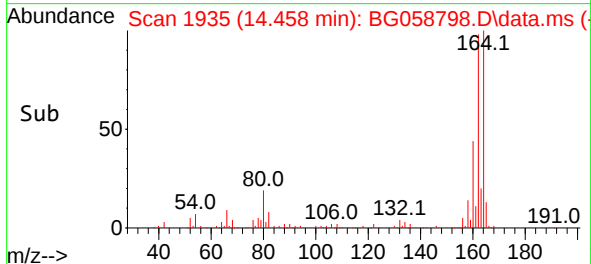
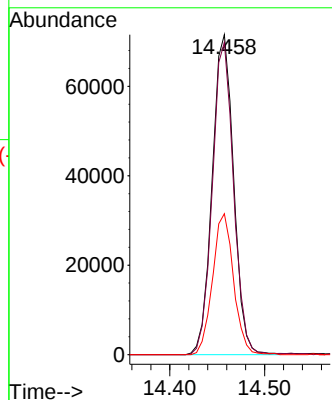
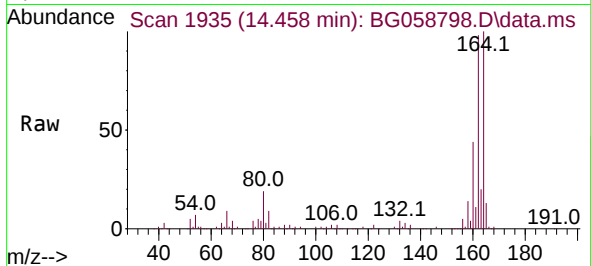




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.458 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

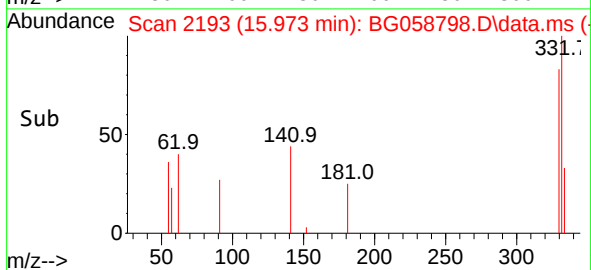
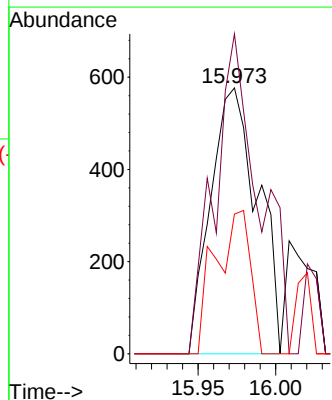
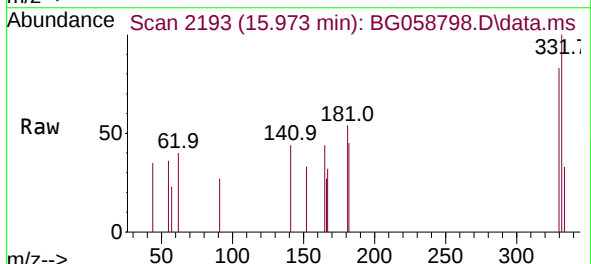
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

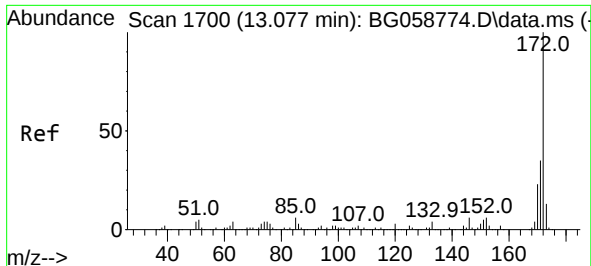
Tgt Ion:164 Resp: 112377
Ion Ratio Lower Upper
164 100
162 97.6 79.6 119.4
160 44.0 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 0.695 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.024 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:330 Resp: 1224
Ion Ratio Lower Upper
330 100
332 113.1 78.5 117.7
141 40.0 23.0 34.6#

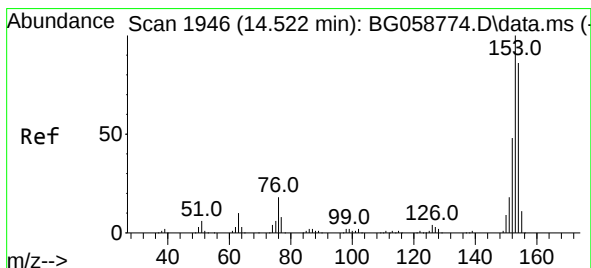
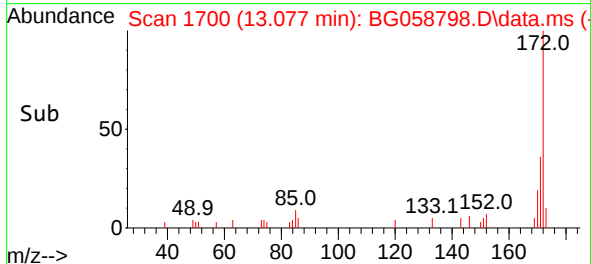
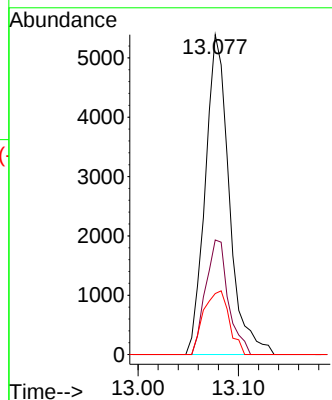
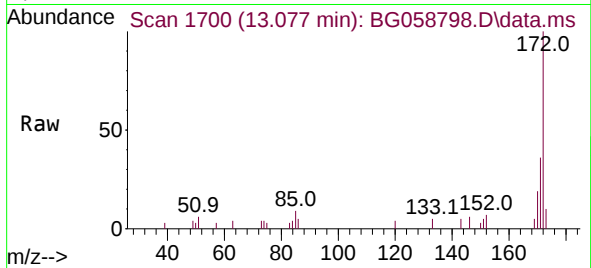




#45
2-Fluorobiphenyl
Concen: 1.156 ng
RT: 13.077 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

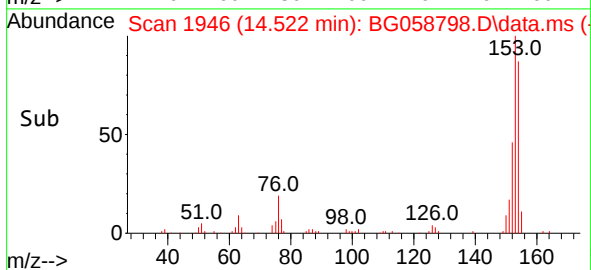
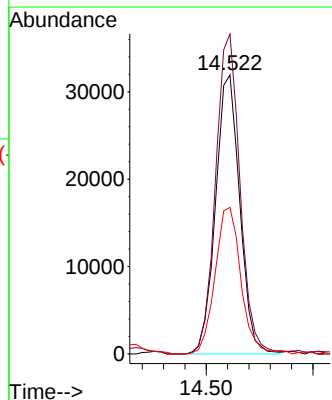
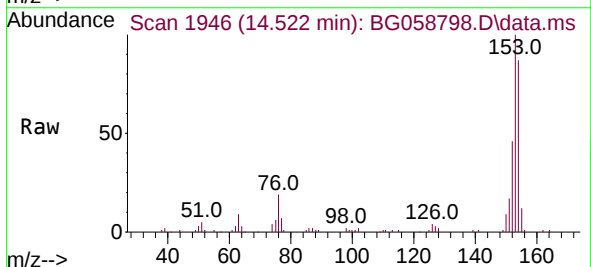
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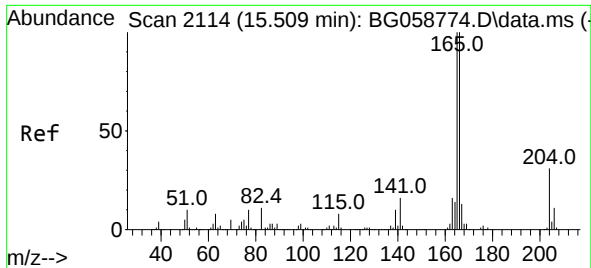
Tgt Ion:	172	Resp:	8929
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.1	42.1
170	19.1	18.6	27.8



#52
Acenaphthene
Concen: 8.624 ng
RT: 14.522 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:	154	Resp:	50420
Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.7	139.1
152	52.5	44.2	66.2

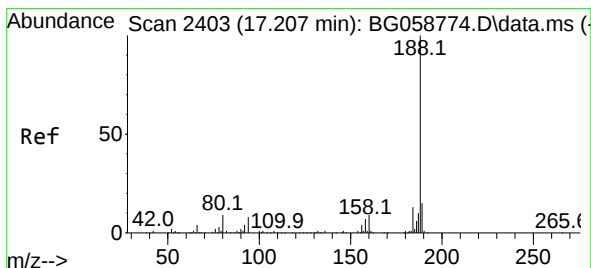
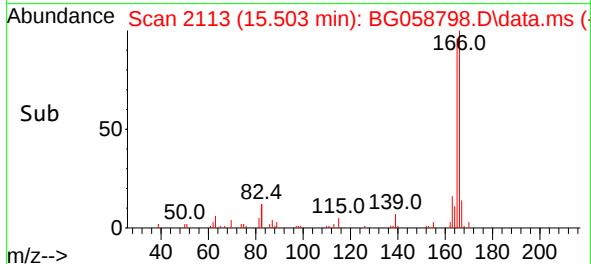
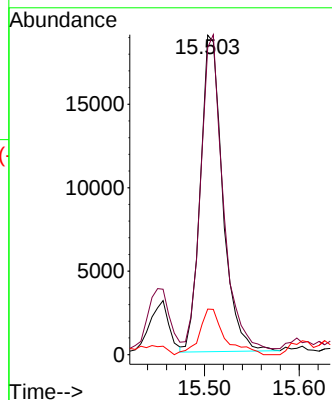
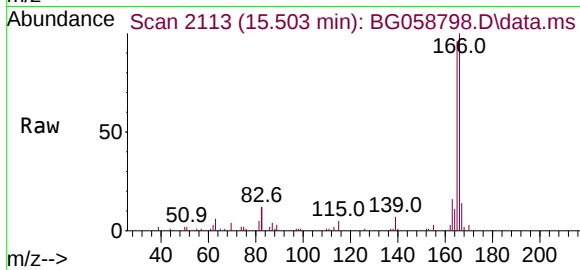




#58
Fluorene
Concen: 3.863 ng
RT: 15.503 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

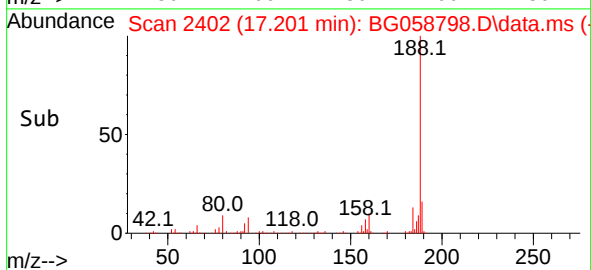
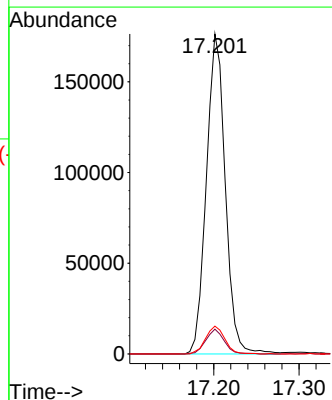
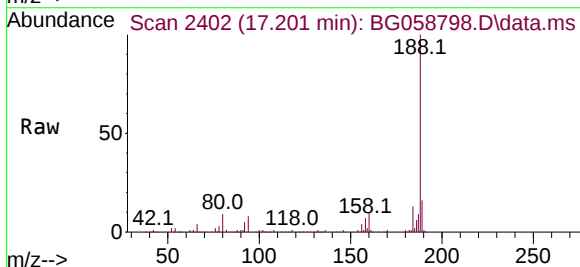
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

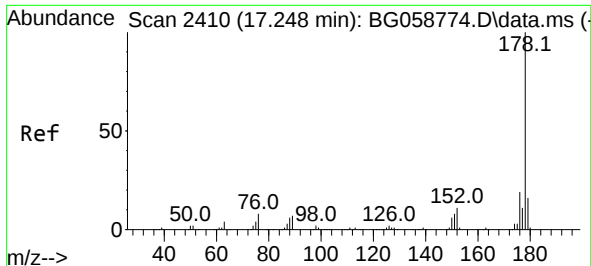
Tgt Ion:166 Resp: 31002
Ion Ratio Lower Upper
166 100
165 96.1 79.9 119.9
167 14.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

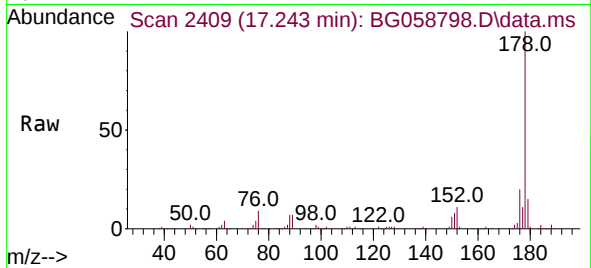
Tgt Ion:188 Resp: 271524
Ion Ratio Lower Upper
188 100
94 7.7 6.1 9.1
80 8.7 6.9 10.3



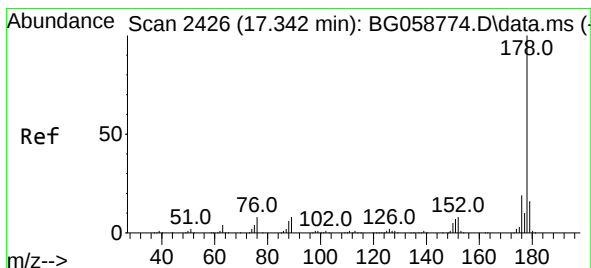
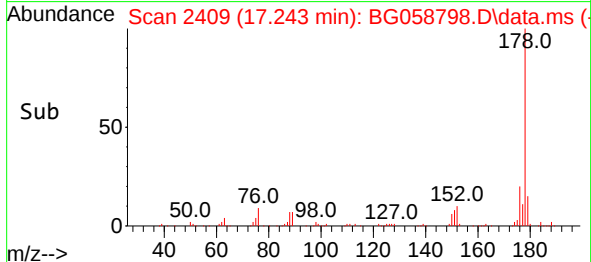
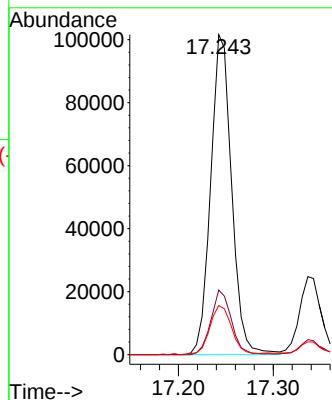


#71
Phenanthrene
Concen: 11.976 ng
RT: 17.243 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

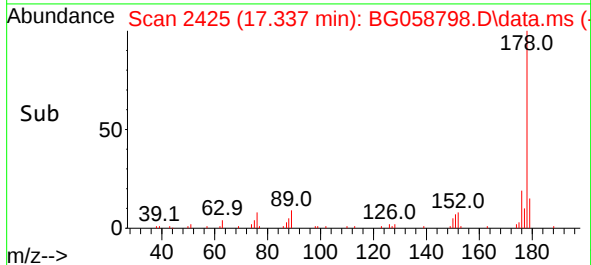
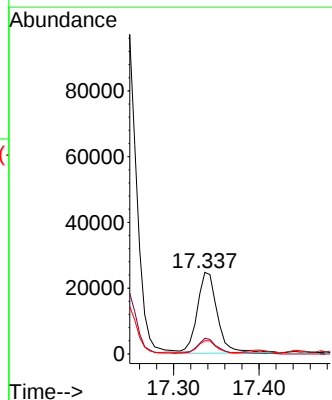
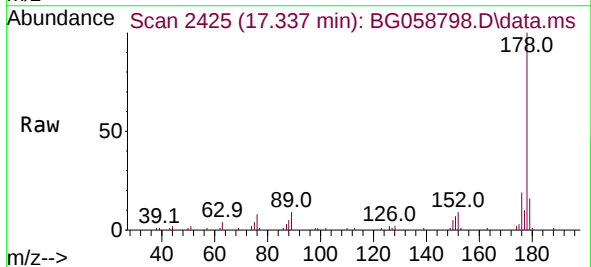


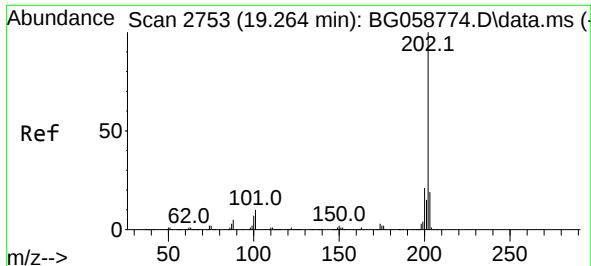
Tgt Ion:178 Resp: 156103
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.4 13.0 19.4



#72
Anthracene
Concen: 3.100 ng
RT: 17.337 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:178 Resp: 40525
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 16.2 12.9 19.3

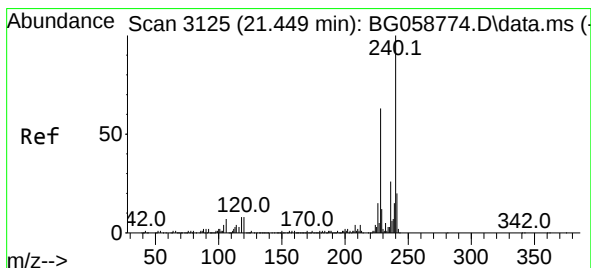
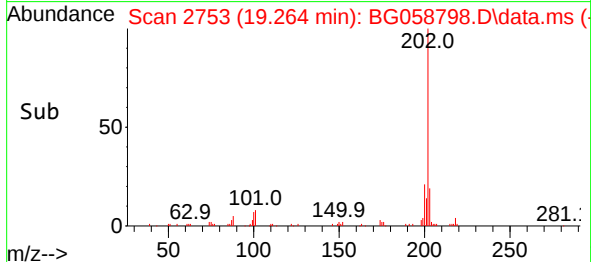
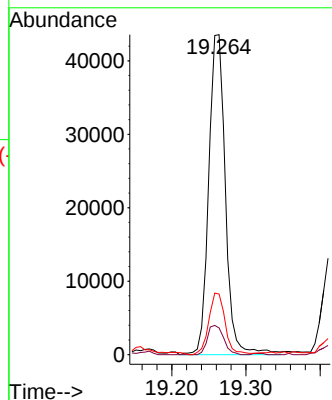
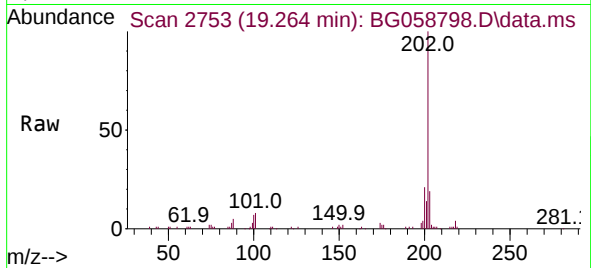




#75
Fluoranthene
Concen: 4.207 ng
RT: 19.264 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

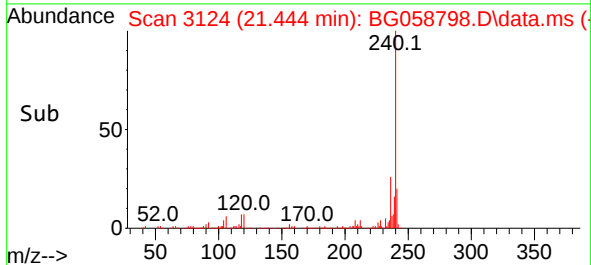
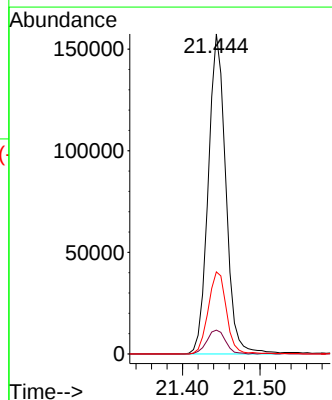
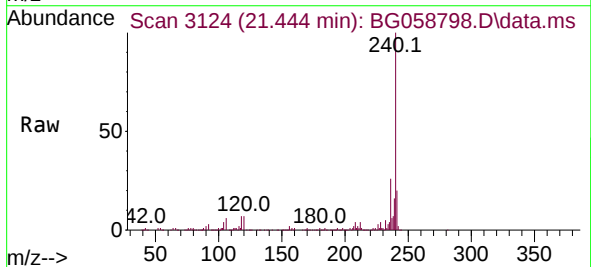
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

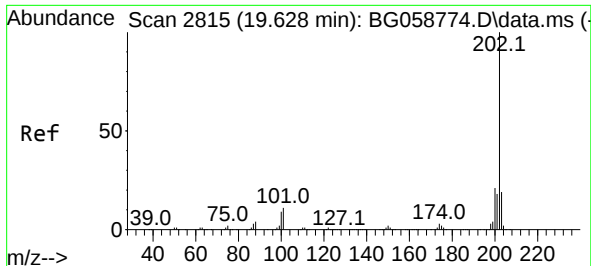
Tgt Ion:202 Resp: 68006
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.7
203 18.9 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:240 Resp: 247483
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.2
236 25.6 20.5 30.7

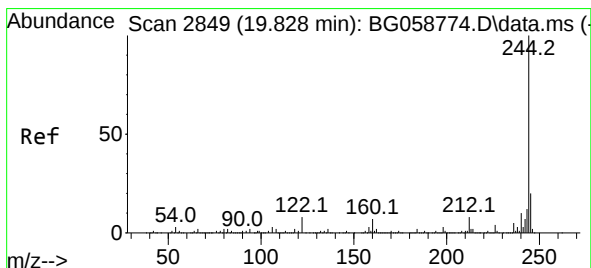
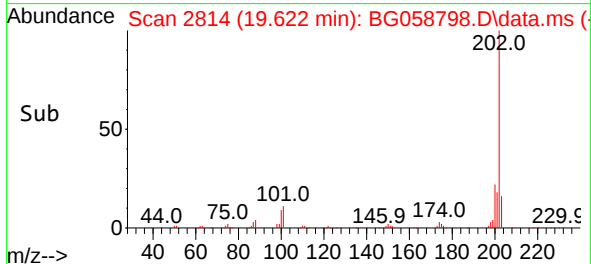
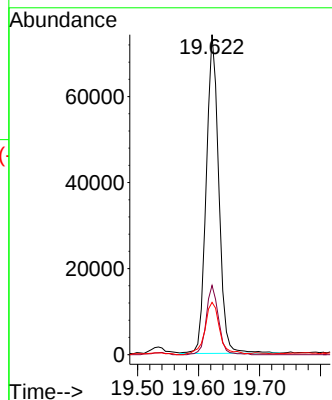
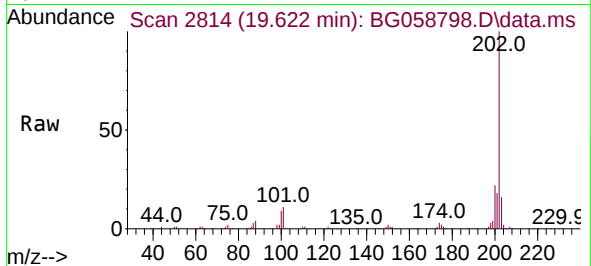




#78
Pyrene
Concen: 6.144 ng
RT: 19.622 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

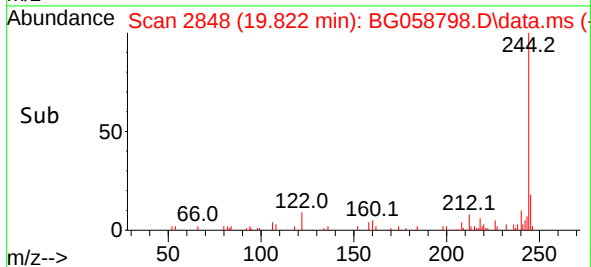
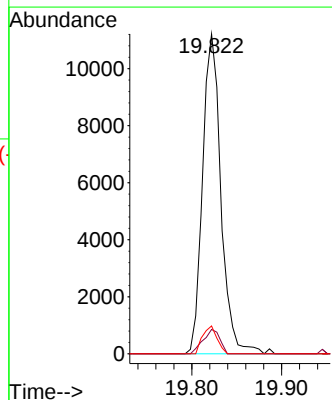
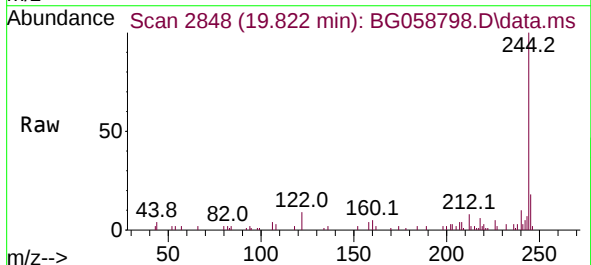
Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

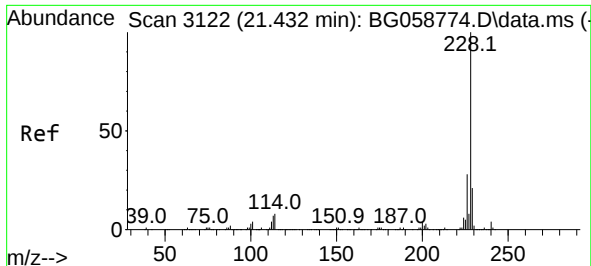
Tgt Ion:202 Resp: 105947
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 16.4 15.3 22.9



#79
Terphenyl-d14
Concen: 1.158 ng
RT: 19.822 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:244 Resp: 15960
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 8.7 6.3 9.5

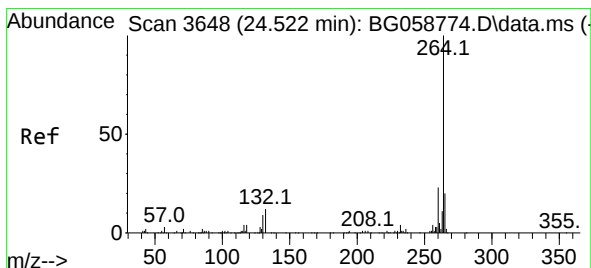
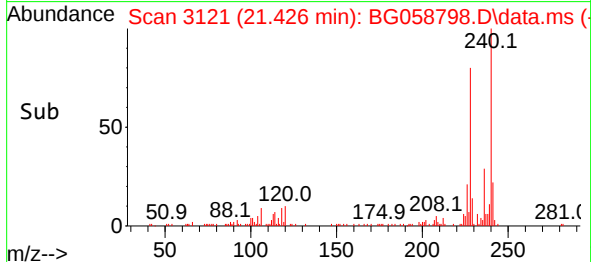
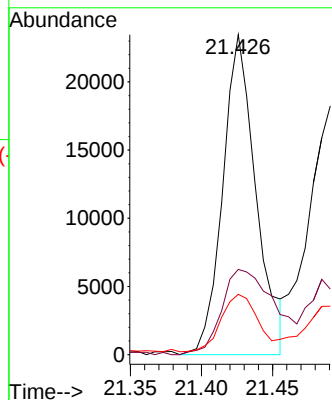
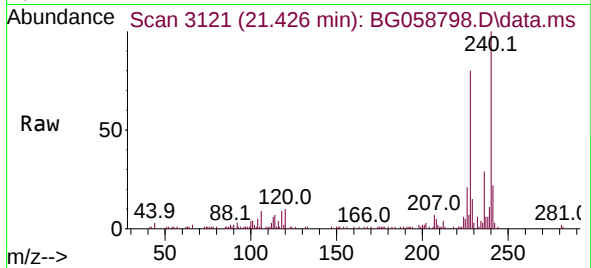




#81
Benzo(a)anthracene
Concen: 2.221 ng
RT: 21.426 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Instrument :
BNA_G
ClientSampleId :
NEVINS-SB05-Z60-61-QDL

Tgt Ion:228 Resp: 38259
Ion Ratio Lower Upper
228 100
226 26.6 22.6 33.8
229 18.8 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.516 min Scan# 3647
Delta R.T. -0.006 min
Lab File: BG058798.D
Acq: 21 Aug 2023 17:56

Tgt Ion:264 Resp: 301772
Ion Ratio Lower Upper
264 100
260 23.6 18.2 27.2
265 21.8 16.4 24.6

