

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071023\
 Data File : BG058148.D
 Acq On : 10 Jul 2023 19:11
 Operator : CG/JU
 Sample : 03385-01DL2 30X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EX7X7DL2

Quant Time: Jul 11 00:47:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	44313	20.000	ng/ul	0.00
20) Naphthalene-d8	10.782	136	205535	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.601	164	147085	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.345	188	331787	20.000	ng/ul	0.00
79) Chrysene-d12	21.605	240	275258	20.000	ng/ul	0.00
88) Perylene-d12	24.801	264	347931	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	3.826	84	767	0.200	ng/ul	0.02
7) Phenol-d5	7.139	99	1770	0.391	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.304	67	983	0.360	ng/ul	0.00
11) 2-Chlorophenol-d4	7.504	132	1206	0.386	ng/ul	0.00
15) 4-Methylphenol-d8	8.685	113	1346	0.394	ng/ul	0.00
21) Nitrobenzene-d5	9.137	128	520	0.310	ng/ul	0.00
24) 2-Nitrophenol-d4	9.860	143	471	0.268	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.400	165	1427	0.423	ng/ul	0.00
31) 4-Chloroaniline-d4	10.917	131	1144	0.223	ng/ul	0.00
46) Dimethylphthalate-d6	14.002	166	6540	0.564	ng/ul	0.00
49) Acenaphthylene-d8	14.296	160	6575	0.519	ng/ul	0.00
54) 4-Nitrophenol-d4	14.813	143	259	0.126	ng/ul	0.02
60) Fluorene-d10	15.588	176	5958	0.605	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.445	188	10906	0.708	ng/ul	0.00
81) Pyrene-d10	19.731	212	10279	0.593	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.578	264	10710	0.604	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.835	128	1634724	141.527	ng/ul	97
32) 4-Chloroaniline	10.835	127	226821	43.320	ng/ul#	8
36) 2-Methylnaphthalene	12.433	142	541142	69.499	ng/ul	95
37) 1-Methylnaphthalene	12.651	142	251077	32.156	ng/ul	99
43) 1,1'-Biphenyl	13.438	154	190069	17.932	ng/ul	99
52) Acenaphthene	14.666	153	688823	73.403	ng/ul	98
56) Dibenzofuran	15.001	168	809497	60.683	ng/ul	100
61) Fluorene	15.647	166	763773	69.781	ng/ul	99
63) 4-Nitroaniline	15.647	138	7181	3.963	ng/ul#	20
72) Phenanthrene	17.398	178	2955550	175.123	ng/ul	92
74) Anthracene	17.480	178	1043609	61.106	ng/ul	98
77) Carbazole	17.745	167	423038	27.388	ng/ul	98
80) Fluoranthene	19.402	202	2307003	114.846	ng/ul	96
82) Pyrene	19.766	202	1871538	92.556	ng/ul	97
85) Benzo(a)anthracene	21.587	228	852471	43.133	ng/ul	97
87) Chrysene	21.652	228	710442	38.346	ng/ul	96
90) Benzo(b)fluoranthene	23.785	252	828148	38.442	ng/ul	99
91) Benzo(k)fluoranthene	23.785	252	828148	39.219	ng/ul	99
93) Benzo(a)pyrene	24.648	252	675950	35.450	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.438	276	378471	14.947	ng/ul	98
95) Dibenzo(a,h)anthracene	28.491	278	55975	2.681	ng/ul	94
96) Benzo(g,h,i)perylene	29.578	276	321019	15.522	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

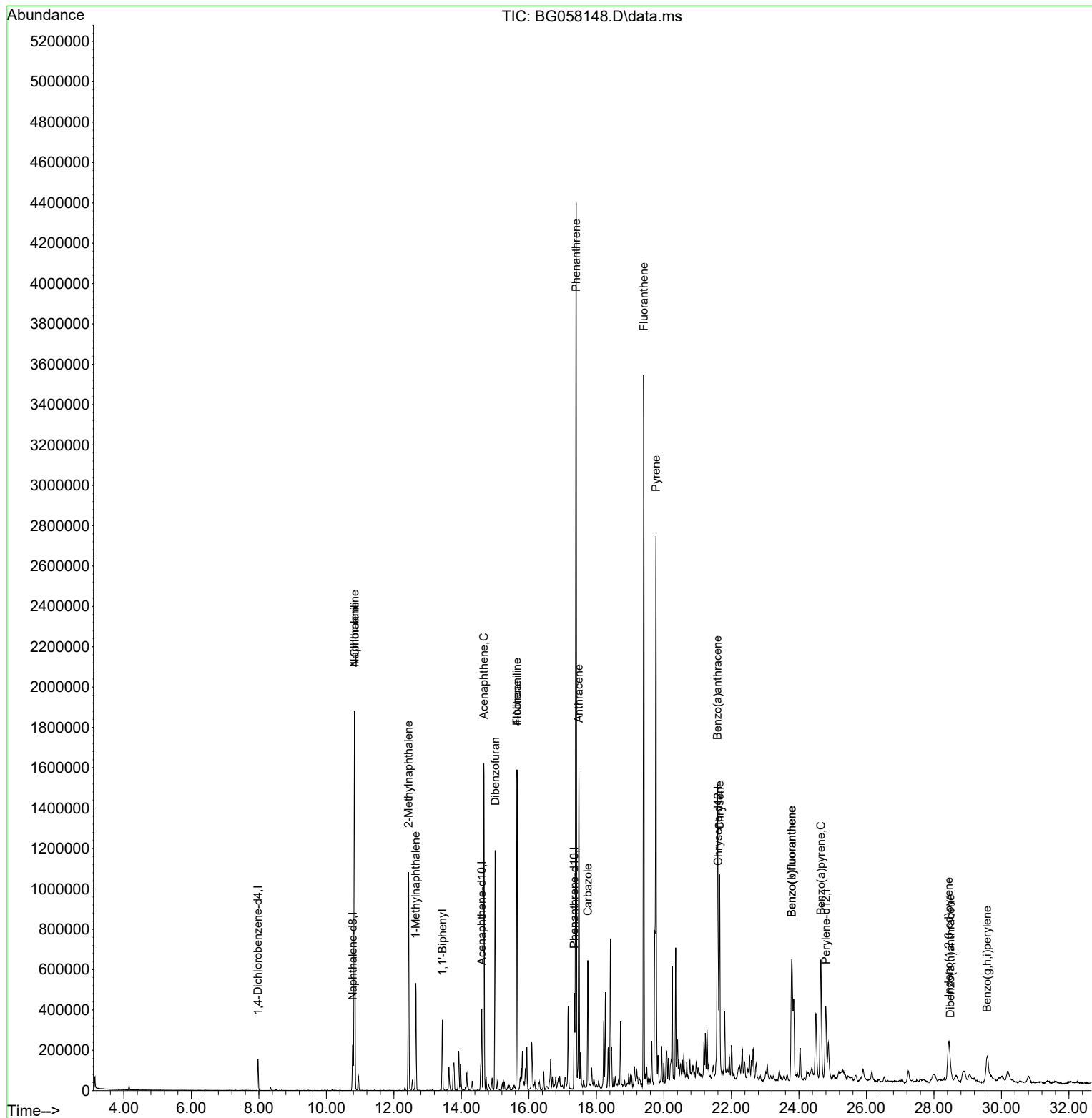
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

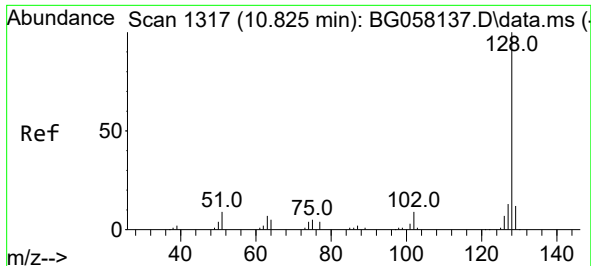
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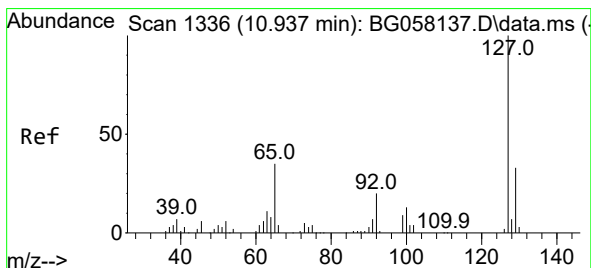
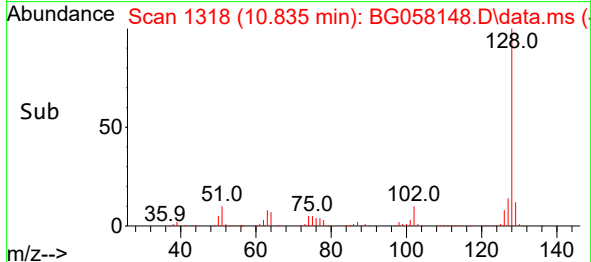
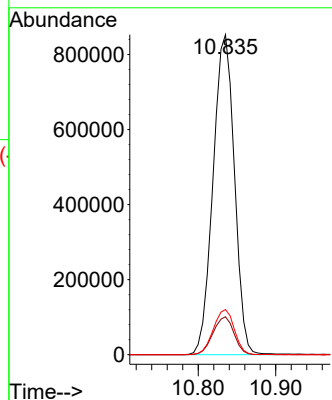
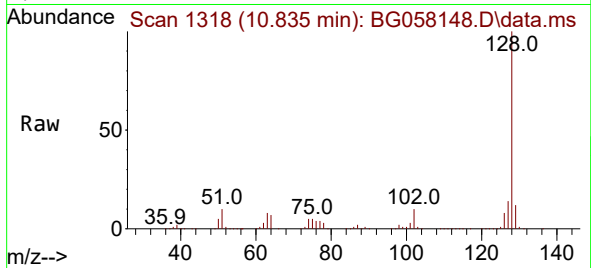




#30
Naphthalene
Concen: 141.527 ng/ul
RT: 10.835 min Scan# 1317
Delta R.T. 0.010 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

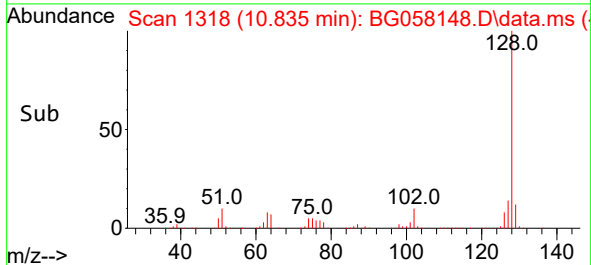
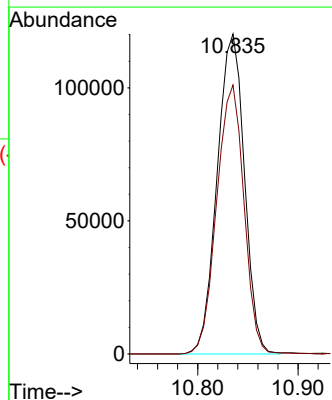
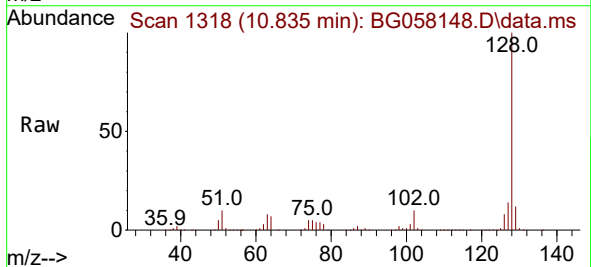
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

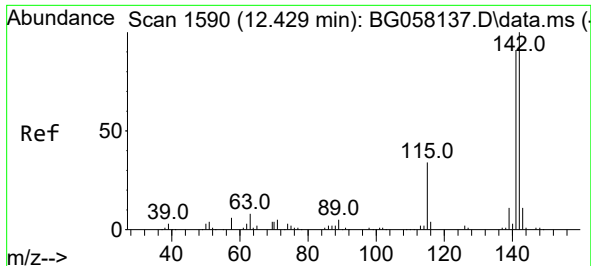
Tgt Ion:128 Resp: 1634724
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.1 10.2 15.2



#32
4-Chloroaniline
Concen: 43.320 ng/ul
RT: 10.835 min Scan# 1318
Delta R.T. -0.102 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:127 Resp: 226821
Ion Ratio Lower Upper
127 100
129 84.1 26.0 39.0#

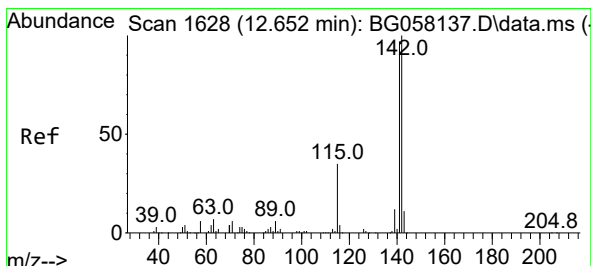
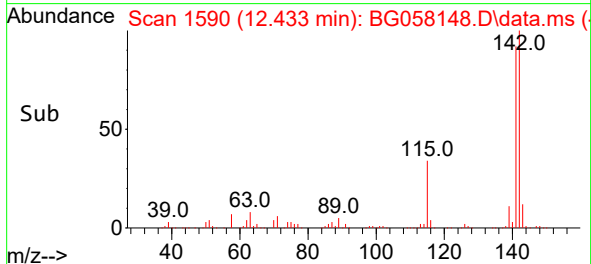
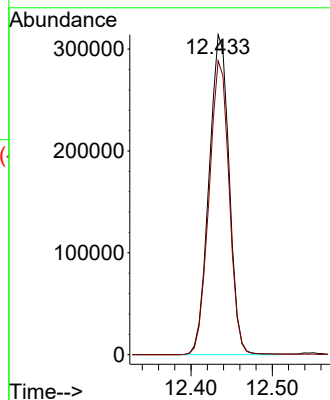
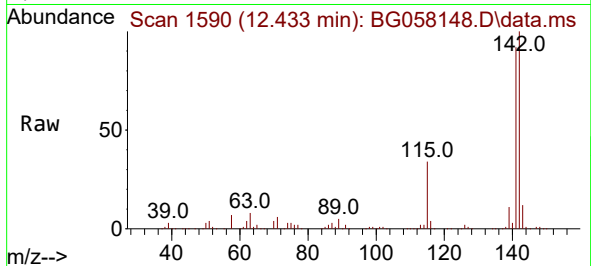




#36
2-Methylnaphthalene
Concen: 69.499 ng/ul
RT: 12.433 min Scan# 1590
Delta R.T. 0.004 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

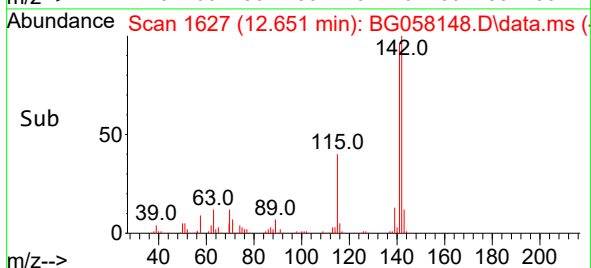
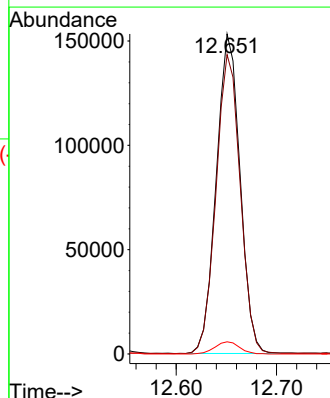
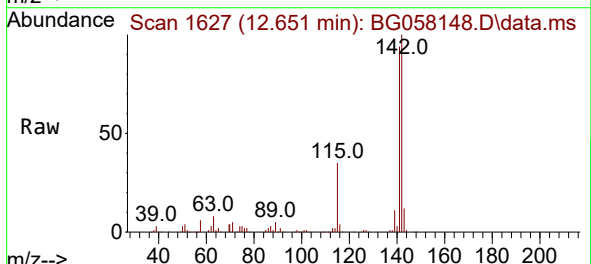
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

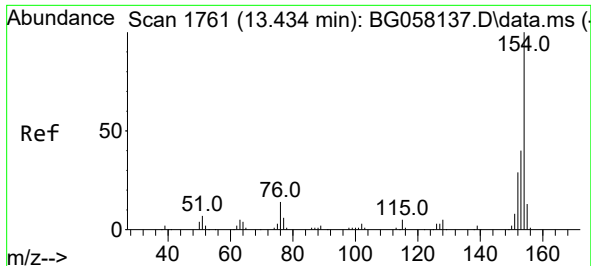
Tgt Ion:142 Resp: 541142
Ion Ratio Lower Upper
142 100
141 91.9 69.4 104.2



#37
1-Methylnaphthalene
Concen: 32.156 ng/ul
RT: 12.651 min Scan# 1627
Delta R.T. -0.002 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:142 Resp: 251077
Ion Ratio Lower Upper
142 100
141 93.5 73.8 110.8
116 3.8 3.0 4.4

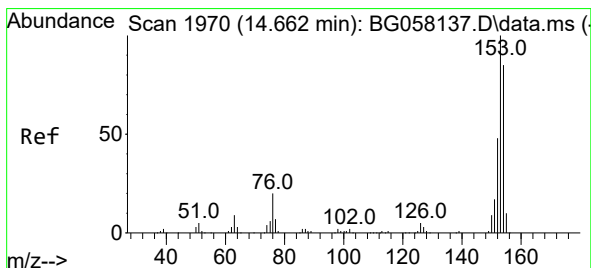
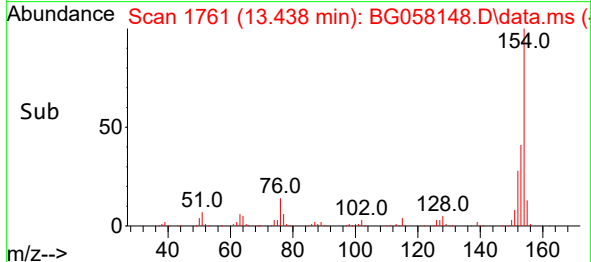
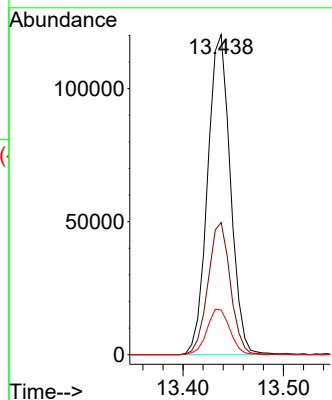
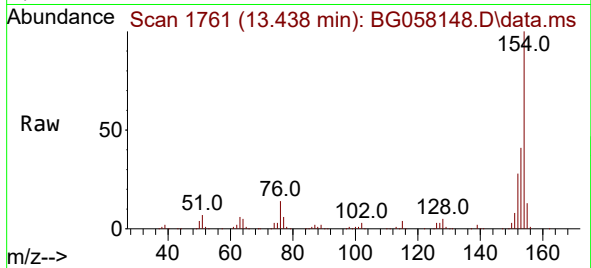




#43
1,1'-Biphenyl
Concen: 17.932 ng/ul
RT: 13.438 min Scan# 1761
Delta R.T. 0.004 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

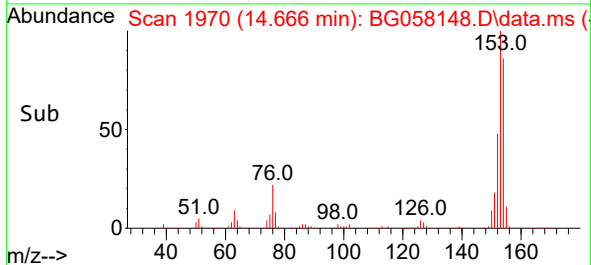
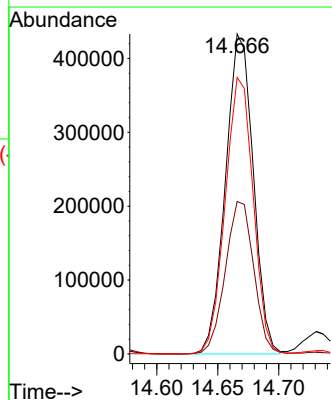
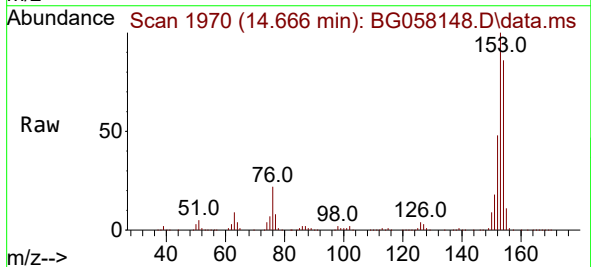
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

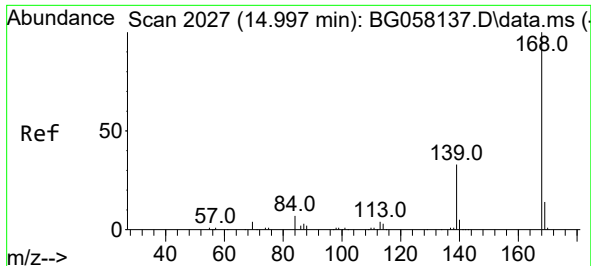
Tgt Ion:154 Resp: 190069
Ion Ratio Lower Upper
154 100
153 41.3 32.6 49.0
76 14.0 11.6 17.4



#52
Acenaphthene
Concen: 73.403 ng/ul
RT: 14.666 min Scan# 1970
Delta R.T. 0.004 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:153 Resp: 688823
Ion Ratio Lower Upper
153 100
152 47.6 36.5 54.7
154 86.4 70.5 105.7

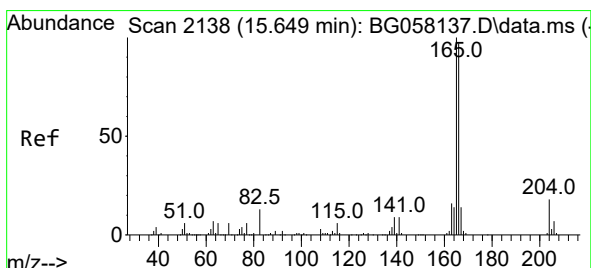
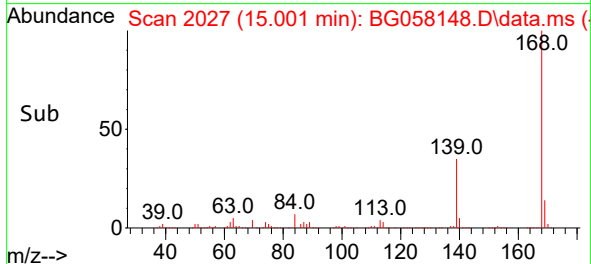
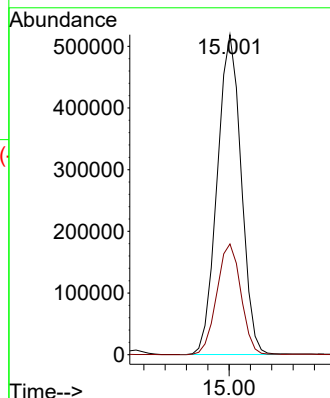
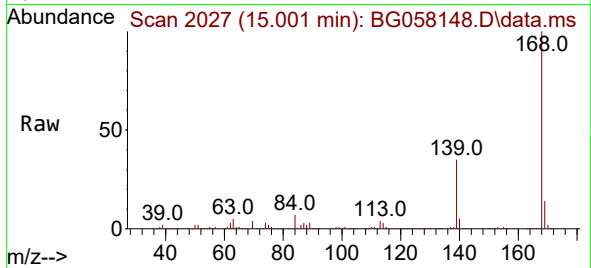




#56
Dibenzenofuran
Concen: 60.683 ng/ul
RT: 15.001 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

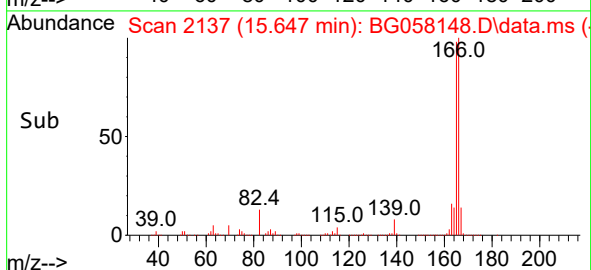
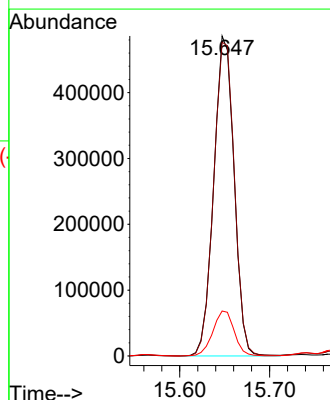
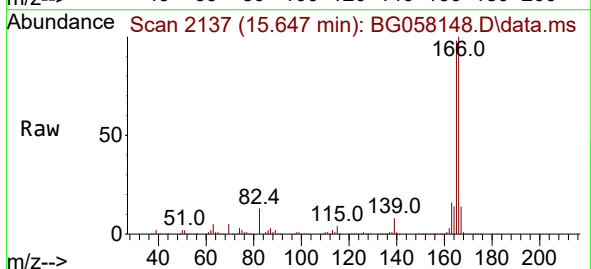
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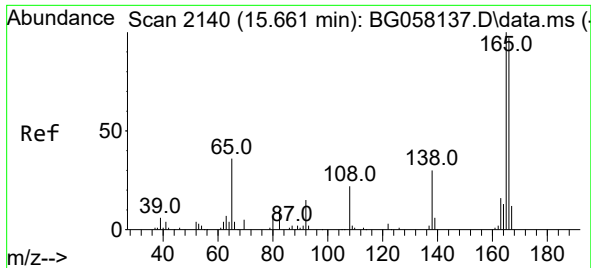
Tgt Ion:168 Resp: 809497
Ion Ratio Lower Upper
168 100
139 34.6 27.6 41.4



#61
Fluorene
Concen: 69.781 ng/ul
RT: 15.647 min Scan# 2137
Delta R.T. -0.002 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:166 Resp: 763773
Ion Ratio Lower Upper
166 100
165 98.0 79.1 118.7
167 14.1 10.7 16.1

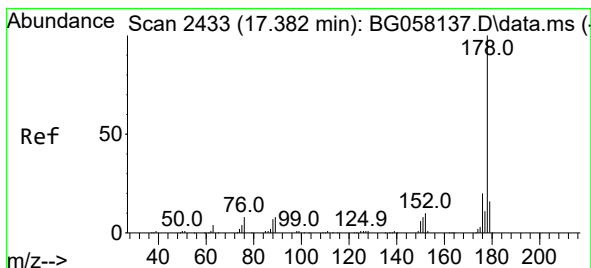
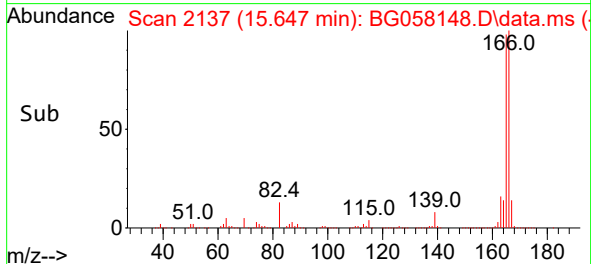
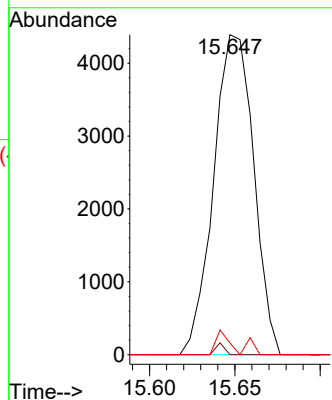
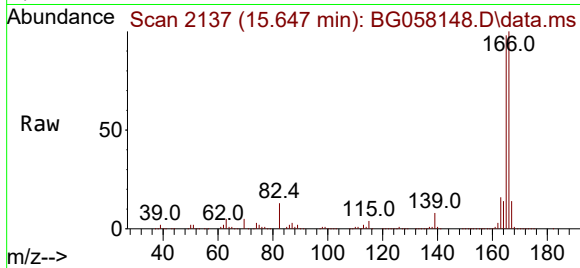




#63
4-Nitroaniline
Concen: 3.963 ng/ul
RT: 15.647 min Scan# 2140
Delta R.T. -0.014 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

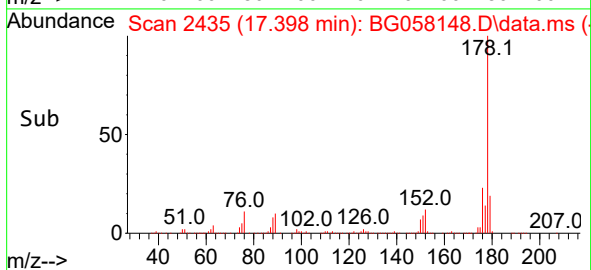
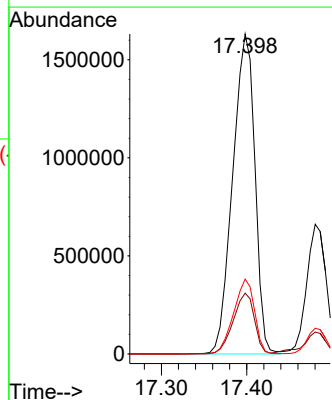
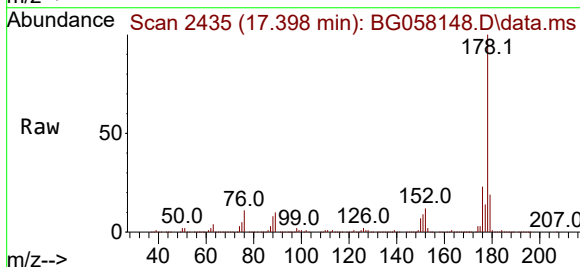
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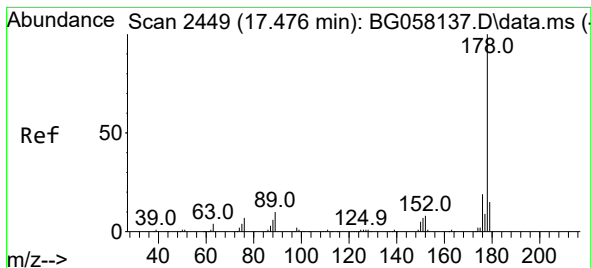
Tgt Ion:138 Resp: 7181
Ion Ratio Lower Upper
138 100
92 0.0 43.8 65.8#
108 3.7 58.8 88.2#



#72
Phenanthrene
Concen: 175.123 ng/ul
RT: 17.398 min Scan# 2435
Delta R.T. 0.016 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:178 Resp: 2955550
Ion Ratio Lower Upper
178 100
179 19.0 12.8 19.2
176 23.4 15.7 23.5





#74

Anthracene

Concen: 61.106 ng/ul

RT: 17.480 min Scan# 2449

Delta R.T. 0.004 min

Lab File: BG058148.D

Acq: 10 Jul 2023 19:11

Instrument :

BNA_G

ClientSampleId :

EX7X7DL2

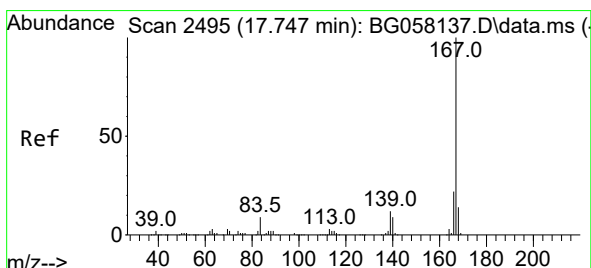
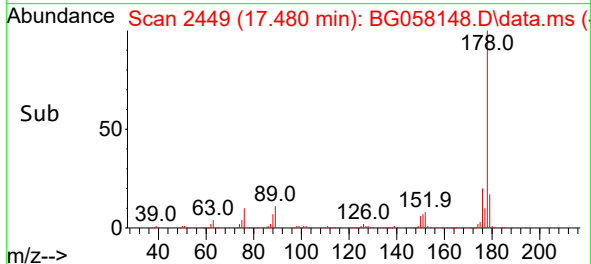
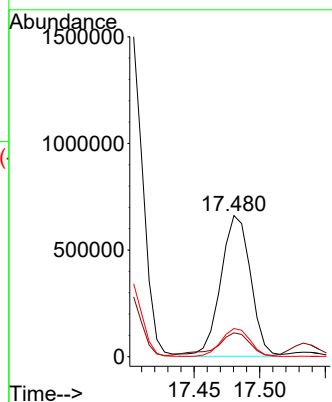
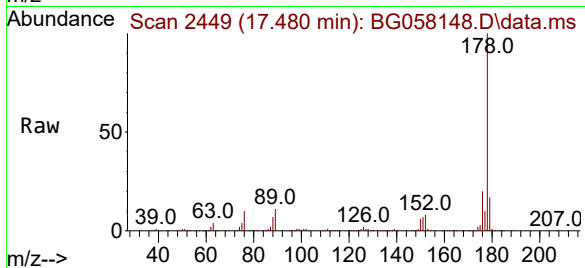
Tgt Ion:178 Resp: 1043609

Ion Ratio Lower Upper

178 100

179 16.9 12.6 18.8

176 19.9 15.4 23.2



#77

Carbazole

Concen: 27.388 ng/ul

RT: 17.745 min Scan# 2494

Delta R.T. -0.002 min

Lab File: BG058148.D

Acq: 10 Jul 2023 19:11

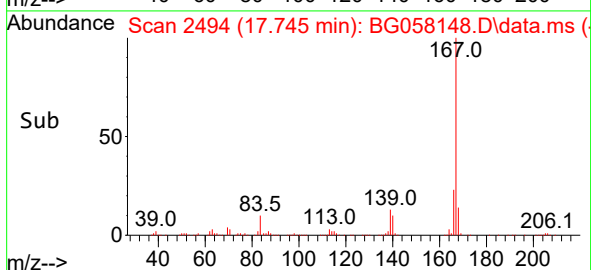
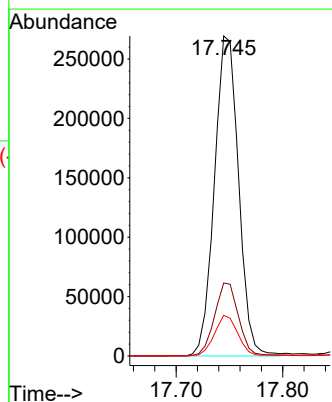
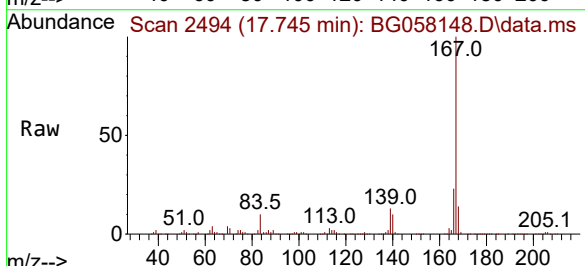
Tgt Ion:167 Resp: 423038

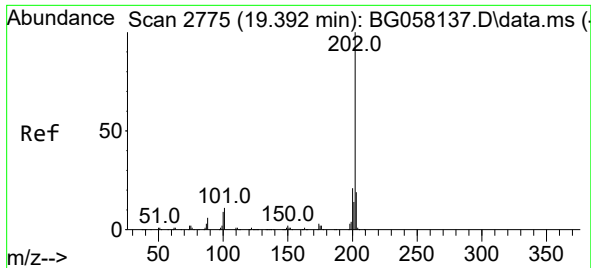
Ion Ratio Lower Upper

167 100

166 22.8 17.5 26.3

139 12.7 9.5 14.3

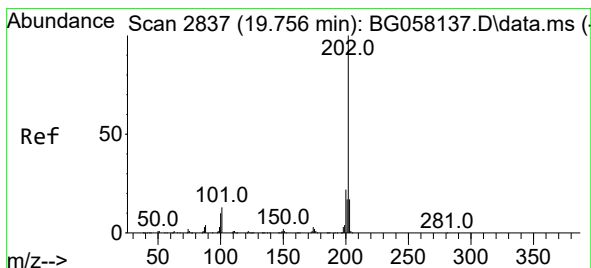
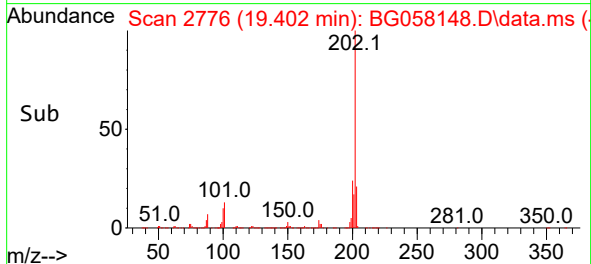
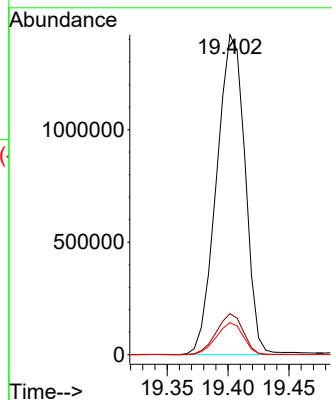
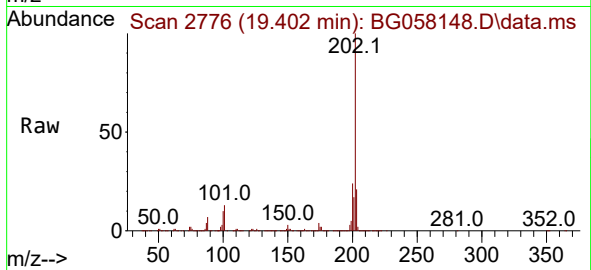




#80
Fluoranthene
Concen: 114.846 ng/ul
RT: 19.402 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

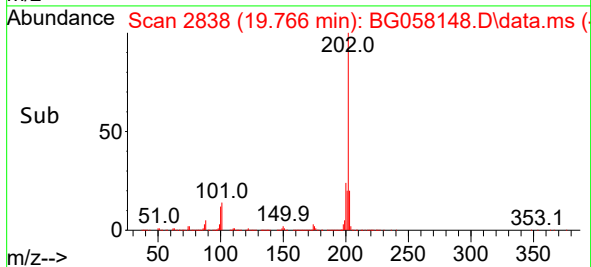
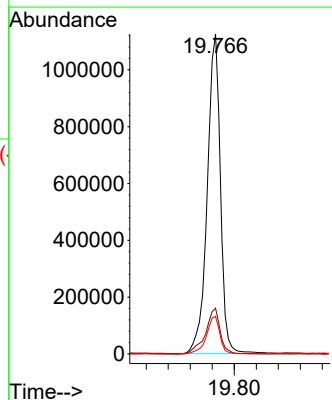
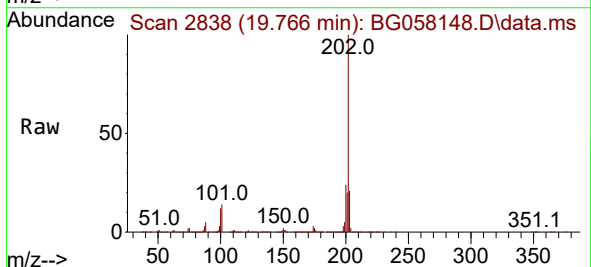
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

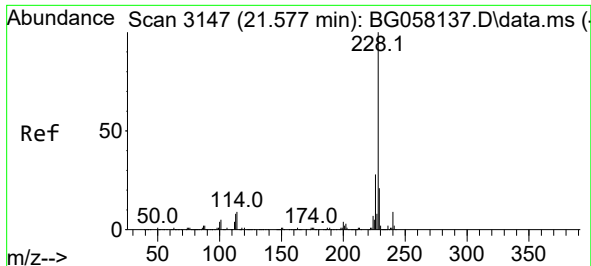
Tgt Ion:202 Resp: 2307003
Ion Ratio Lower Upper
202 100
101 12.9 9.1 13.7
100 10.0 7.1 10.7



#82
Pyrene
Concen: 92.556 ng/ul
RT: 19.766 min Scan# 2838
Delta R.T. 0.010 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:202 Resp: 1871538
Ion Ratio Lower Upper
202 100
101 14.3 10.2 15.2
100 11.7 8.9 13.3

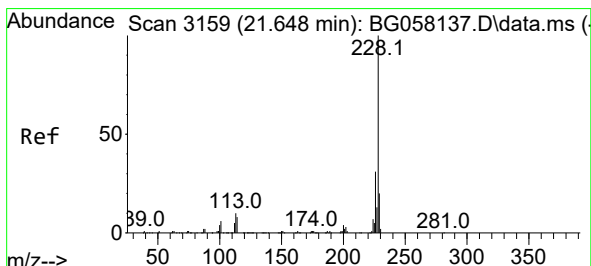
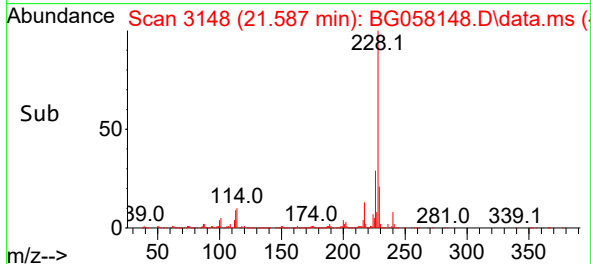
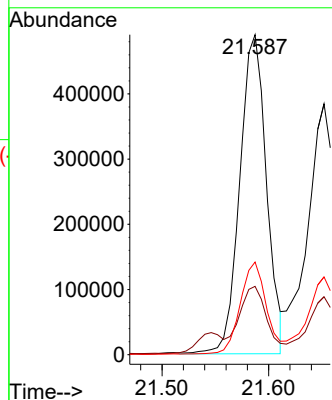
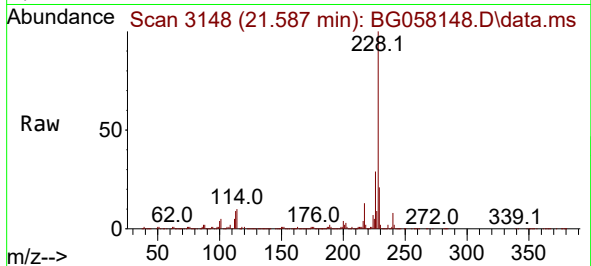




#85
Benzo(a)anthracene
Concen: 43.133 ng/ul
RT: 21.587 min Scan# 3147
Delta R.T. 0.010 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

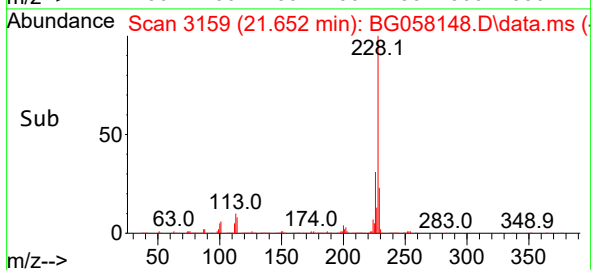
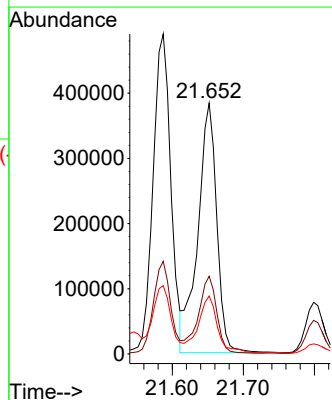
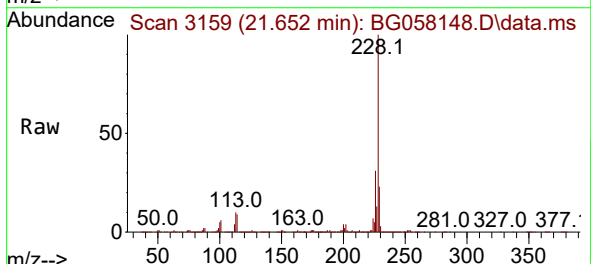
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

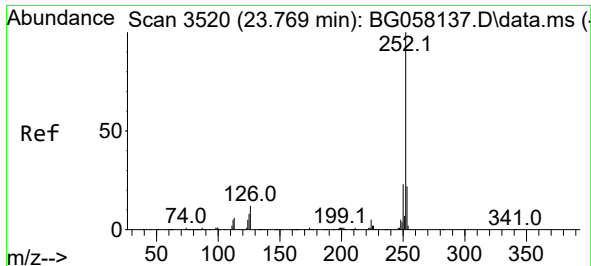
Tgt Ion:228 Resp: 852471
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 28.9 22.0 33.0



#87
Chrysene
Concen: 38.346 ng/ul
RT: 21.652 min Scan# 3159
Delta R.T. 0.004 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:228 Resp: 710442
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 23.1 15.5 23.3

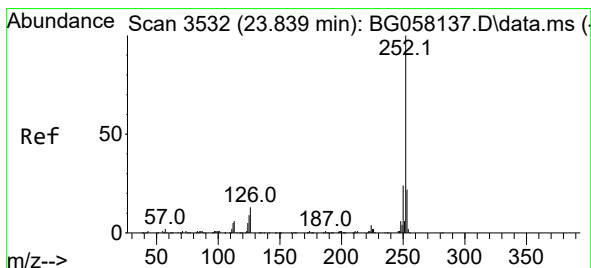
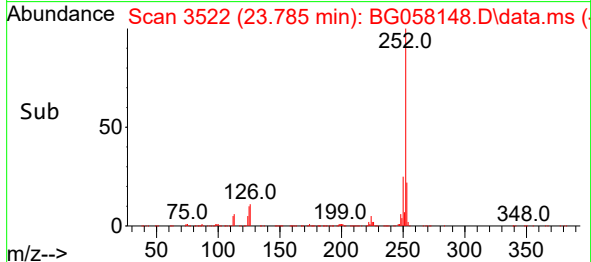
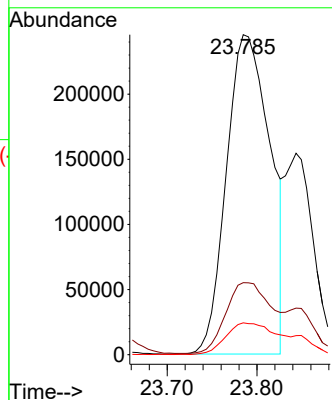
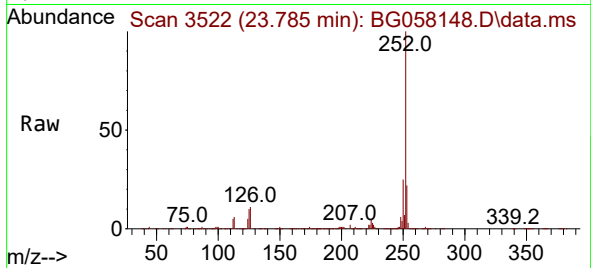




#90
Benzo(b)fluoranthene
Concen: 38.442 ng/ul
RT: 23.785 min Scan# 3522
Delta R.T. 0.016 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

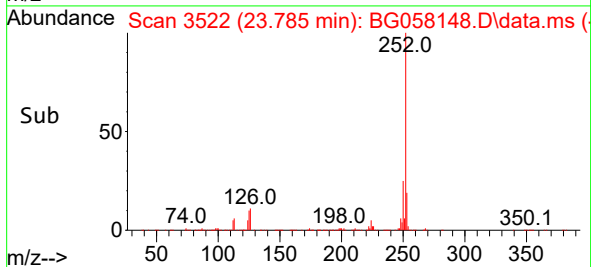
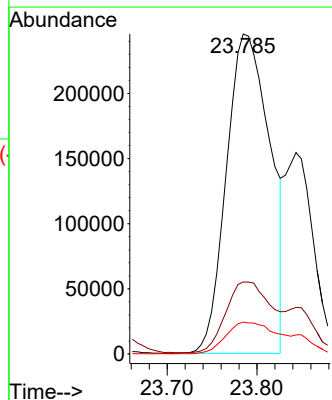
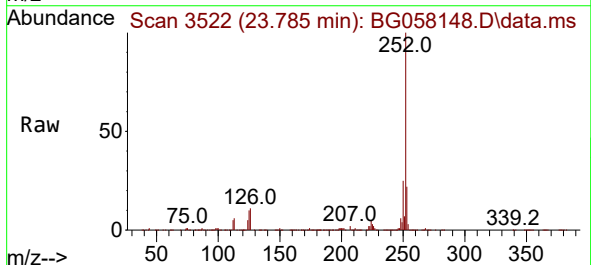
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

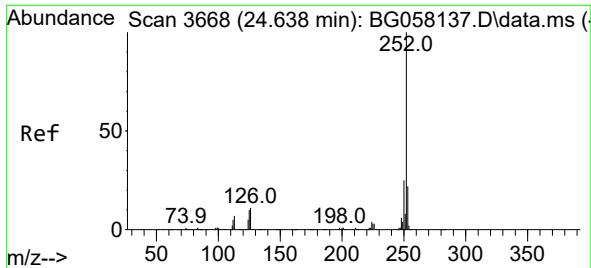
Tgt Ion:252 Resp: 828148
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 10.0 7.5 11.3



#91
Benzo(k)fluoranthene
Concen: 39.219 ng/ul
RT: 23.785 min Scan# 3522
Delta R.T. -0.055 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:252 Resp: 828148
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.0 7.4 11.2

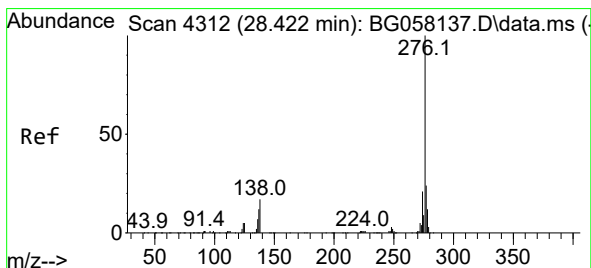
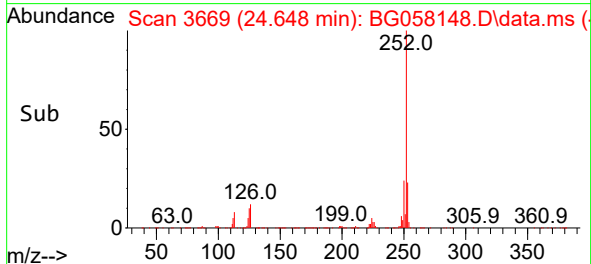
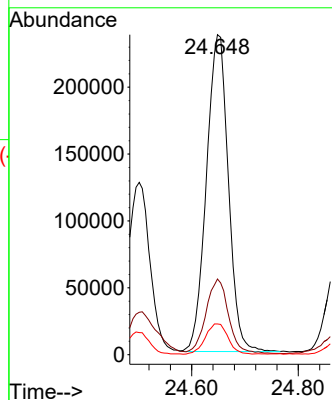
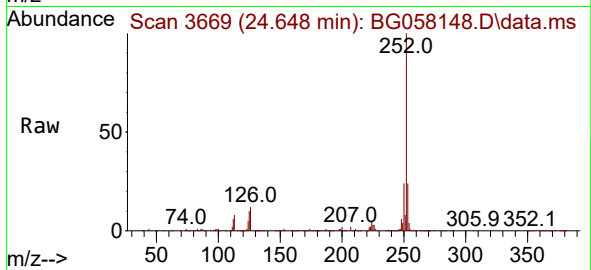




#93
Benzo(a)pyrene
Concen: 35.450 ng/ul
RT: 24.648 min Scan# 3669
Delta R.T. 0.010 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

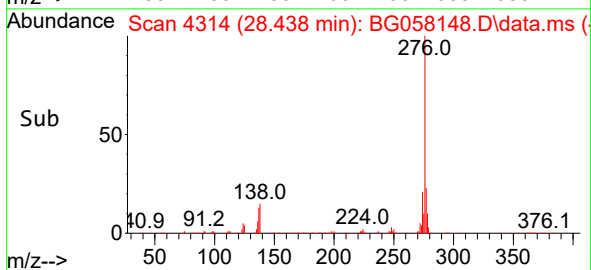
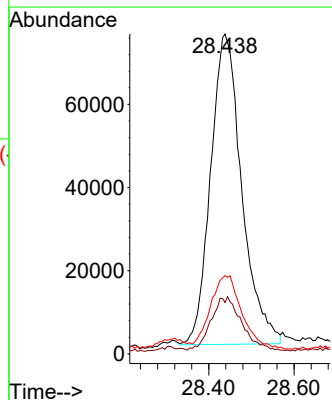
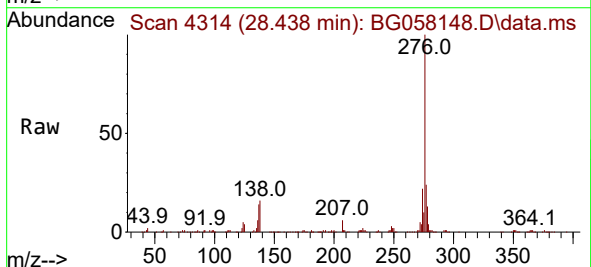
Instrument :
BNA_G
ClientSampleId :
EX7X7DL2

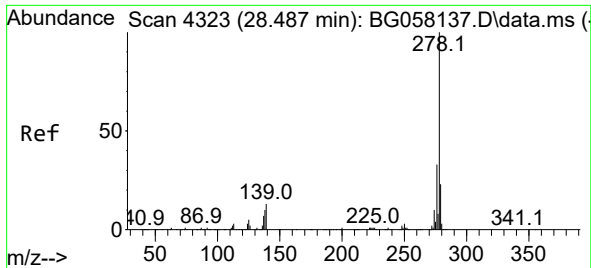
Tgt Ion:252 Resp: 675950
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.6 8.3 12.5



#94
Indeno(1,2,3-cd)pyrene
Concen: 14.947 ng/ul
RT: 28.438 min Scan# 4314
Delta R.T. 0.016 min
Lab File: BG058148.D
Acq: 10 Jul 2023 19:11

Tgt Ion:276 Resp: 378471
Ion Ratio Lower Upper
276 100
138 16.1 14.0 21.0
277 24.5 19.4 29.2

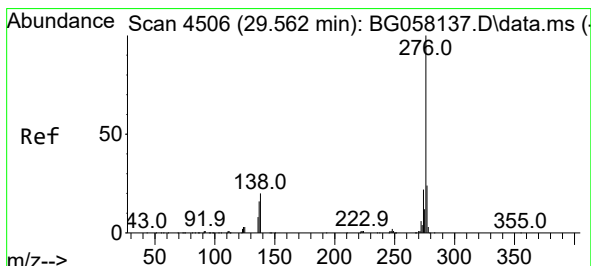
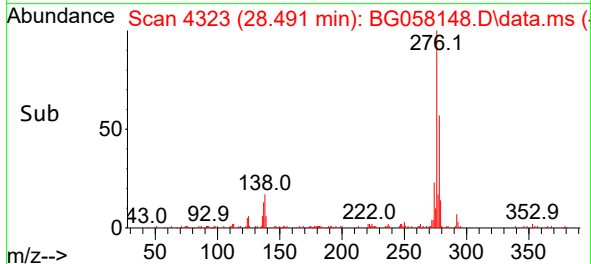
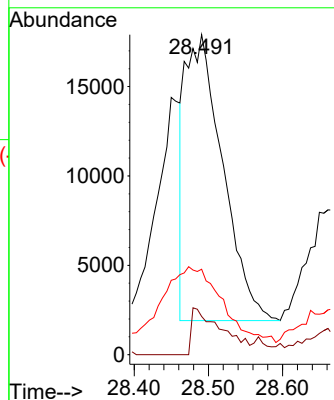
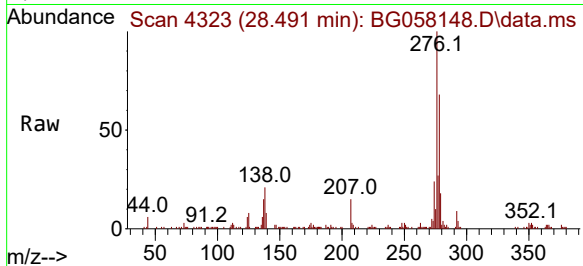




#95
 Dibenzo(a,h)anthracene
 Concen: 2.681 ng/ul
 RT: 28.491 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: BG058148.D
 Acq: 10 Jul 2023 19:11

Instrument :
 BNA_G
 ClientSampleId :
 EX7X7DL2

Tgt Ion:278 Resp: 55975
 Ion Ratio Lower Upper
 278 100
 139 12.0 11.3 16.9
 279 26.7 18.9 28.3



#96
 Benzo(g,h,i)perylene
 Concen: 15.522 ng/ul
 RT: 29.578 min Scan# 4508
 Delta R.T. 0.016 min
 Lab File: BG058148.D
 Acq: 10 Jul 2023 19:11

Tgt Ion:276 Resp: 321019
 Ion Ratio Lower Upper
 276 100
 138 18.7 14.2 21.2
 277 24.5 18.6 27.8

