

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058456.D
 Acq On : 25 Jul 2023 21:44
 Operator : CG/JU
 Sample : 03540-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4734

Quant Time: Jul 25 23:16:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	47107	20.000	ng/u1	0.00
20) Naphthalene-d8	10.617	136	217355	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.466	164	154778	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	330247	20.000	ng/u1	0.00
79) Chrysene-d12	21.458	240	263179	20.000	ng/u1	0.00
88) Perylene-d12	24.525	264	354836	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.238	96	3879	3.031	ng/uL	0.00
4) Pyridine-d5	3.649	84	24191	6.368	ng/u1	0.00
7) Phenol-d5	6.986	99	63126	14.126	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.145	67	48593	17.398	ng/u1	0.00
11) 2-Chlorophenol-d4	7.351	132	57935	18.521	ng/u1	0.00
15) 4-Methylphenol-d8	8.526	113	59044	17.322	ng/u1	0.00
21) Nitrobenzene-d5	8.978	128	29693	18.226	ng/u1	0.00
24) 2-Nitrophenol-d4	9.701	143	34840	19.588	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.247	165	61773	18.117	ng/u1	0.00
31) 4-Chloroaniline-d4	10.764	131	82	0.017	ng/u1	0.00
46) Dimethylphthalate-d6	13.867	166	224979	18.850	ng/u1	0.00
49) Acenaphthylene-d8	14.155	160	222204	17.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.683	143	19557	10.850	ng/u1	0.00
60) Fluorene-d10	15.453	176	202522	20.495	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.588	200	18211	10.823	ng/u1	0.00
73) Anthracene-d10	17.310	188	268144	18.791	ng/u1	0.00
81) Pyrene-d10	19.601	212	107239	6.899	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.313	264	56910	3.318	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.957	77	6784	3.759	ng/u1	92
8) Phenol	7.016	94	16381	3.530	ng/u1	97
16) Acetophenone	8.637	105	81429	14.028	ng/u1	97
30) Naphthalene	10.670	128	256876	22.110	ng/u1	98
36) 2-Methylnaphthalene	12.280	142	102664	13.190	ng/u1	98
37) 1-Methylnaphthalene	12.504	142	79395	9.952	ng/u1	99
43) 1,1'-Biphenyl	13.297	154	44301	4.233	ng/u1	99
47) Dimethylphthalate	13.914	163	70760	5.902	ng/u1	98
50) Acenaphthylene	14.184	152	33170	2.457	ng/u1#	89
52) Acenaphthene	14.525	153	372741	39.764	ng/u1	99
56) Dibenzofuran	14.860	168	416299	31.189	ng/u1	100
61) Fluorene	15.512	166	445032	40.658	ng/u1	100
72) Phenanthrene	17.345	178	913482	58.205	ng/u1	98
74) Anthracene	17.345	178	916162	58.149	ng/u1	100
77) Carbazole	17.615	167	122767	8.989	ng/u1	98
78) Di-n-butylphthalate	18.167	149	87912	5.066	ng/u1	99
80) Fluoranthene	19.419	202	27538	1.546	ng/u1	99
82) Pyrene	19.630	202	1168289	64.749	ng/u1	97
85) Benzo(a)anthracene	21.440	228	1782027	100.739	ng/u1	94
86) Bis(2-ethylhexyl)phtha...	21.340	149	213878	21.164	ng/u1	98
87) Chrysene	21.440	228	1782418	106.229	ng/u1	97
90) Benzo(b)fluoranthene	23.567	252	1787828	87.082	ng/u1	97
91) Benzo(k)fluoranthene	23.620	252	750089	36.633	ng/u1	98
93) Benzo(a)pyrene	24.378	252	215677	11.811	ng/u1#	88

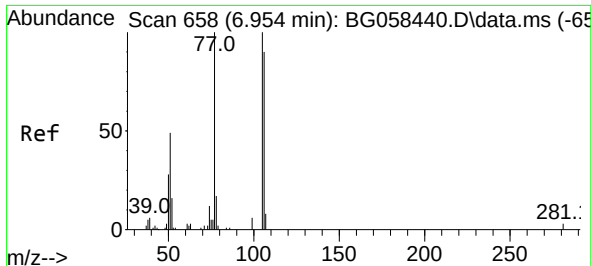
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058456.D
Acq On : 25 Jul 2023 21:44
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 24 22:10:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	28.021	276	283681	11.791	ng/ul	92
95) Dibenzo(a,h)anthracene	28.068	278	260630	13.211	ng/ul#	92

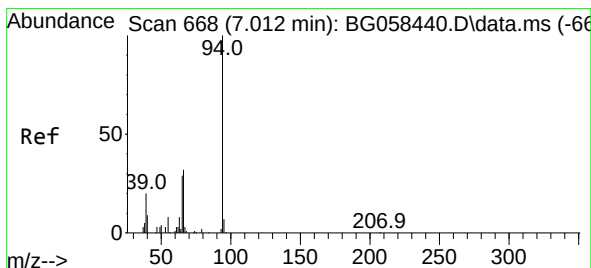
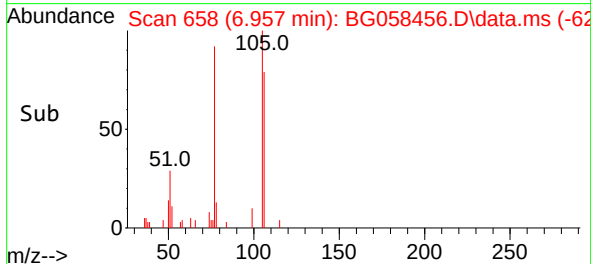
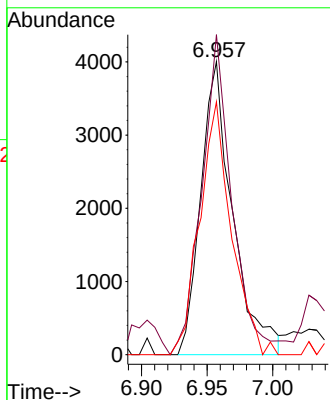
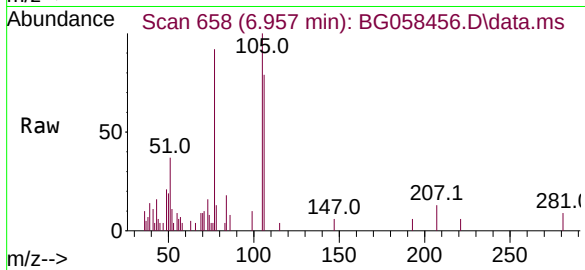
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 3.759 ng/ul
RT: 6.957 min Scan# 658
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

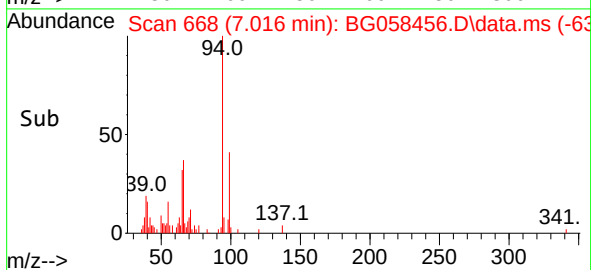
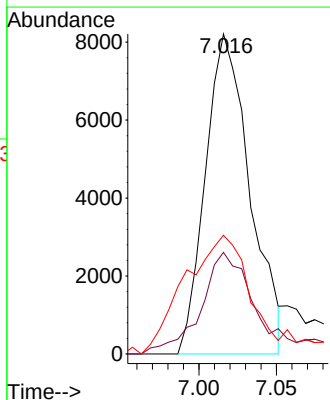
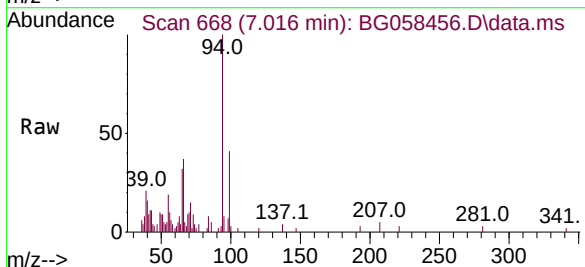
Instrument :
BNA_G
ClientSampleId :
A4734

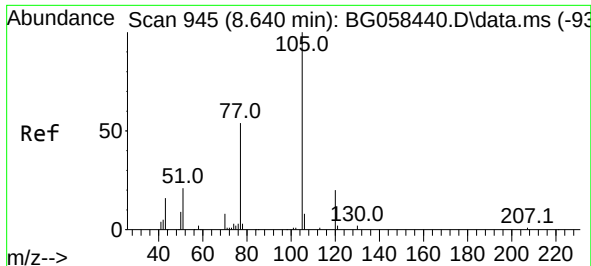
Tgt Ion: 77 Resp: 6784
Ion Ratio Lower Upper
77 100
105 109.2 78.2 117.4
106 86.3 71.6 107.4



#8
Phenol
Concen: 3.530 ng/ul
RT: 7.016 min Scan# 668
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion: 94 Resp: 16381
Ion Ratio Lower Upper
94 100
65 31.8 23.8 35.8
66 37.1 31.2 46.8

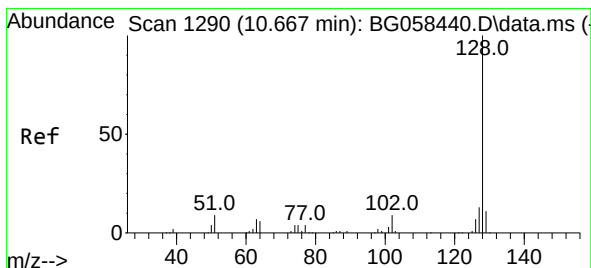
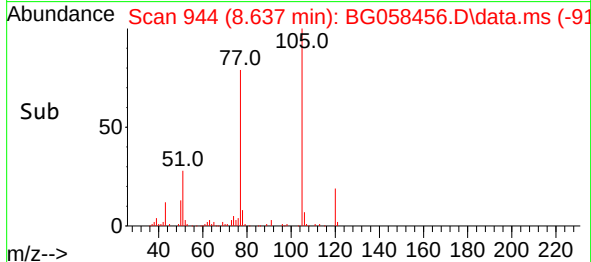
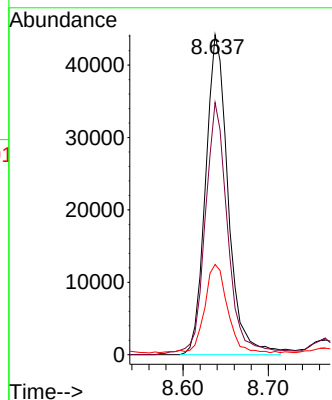
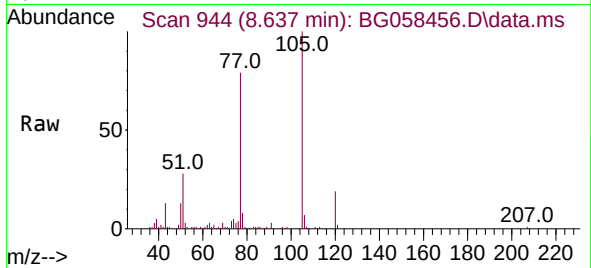




#16
Acetophenone
Concen: 14.028 ng/ul
RT: 8.637 min Scan# 945
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

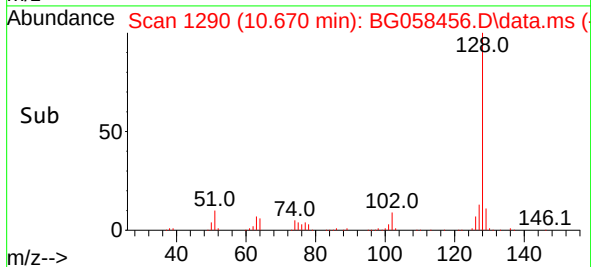
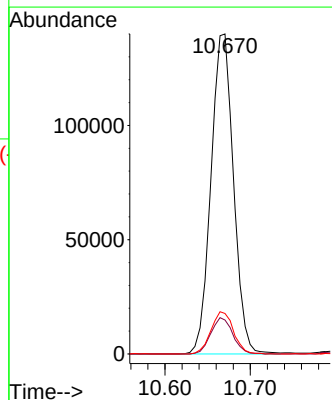
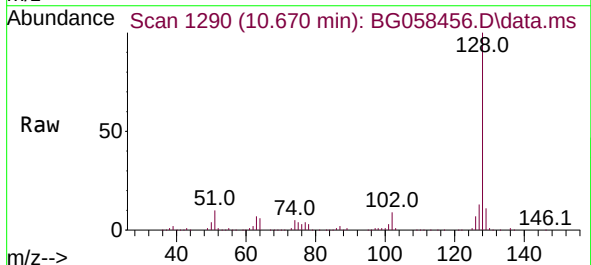
Instrument :
BNA_G
ClientSampleId :
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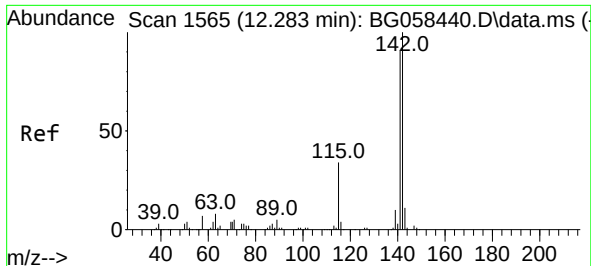
Tgt Ion:105 Resp: 81429
Ion Ratio Lower Upper
105 100
77 78.8 60.7 91.1
51 28.2 23.5 35.3



#30
Naphthalene
Concen: 22.110 ng/ul
RT: 10.670 min Scan# 1290
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:128 Resp: 256876
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.6 10.8 16.2

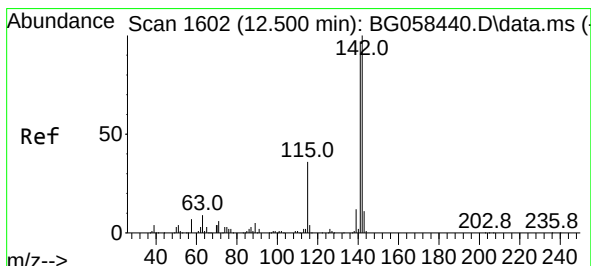
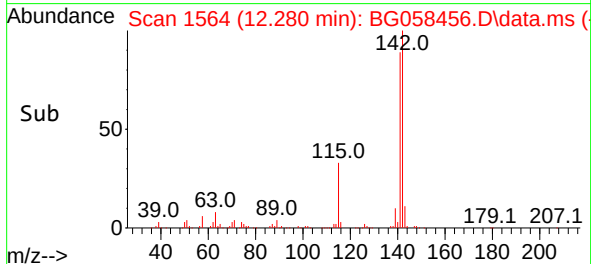
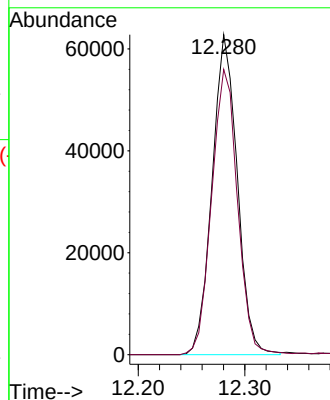
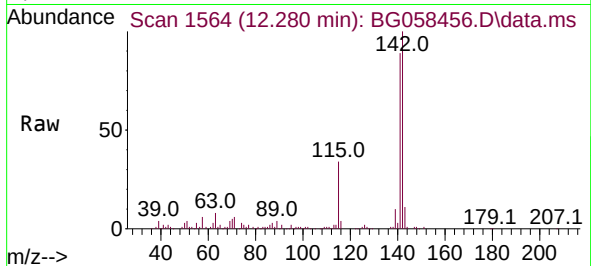




#36
2-Methylnaphthalene
Concen: 13.190 ng/ul
RT: 12.280 min Scan# 1565
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

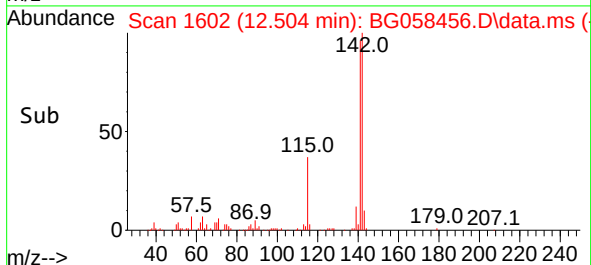
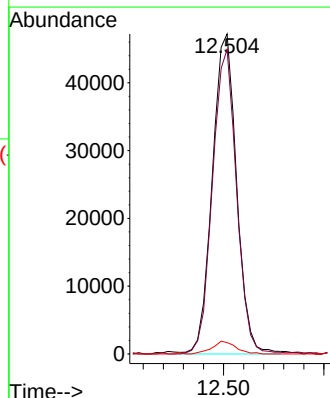
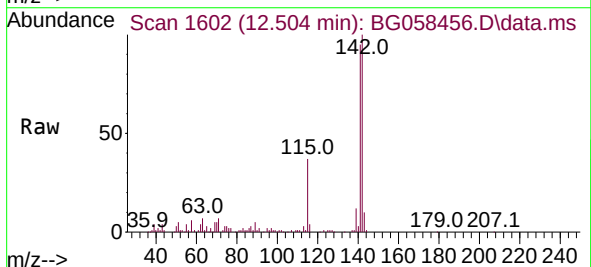
Instrument :
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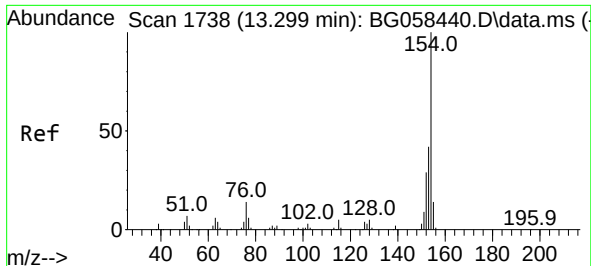
Tgt Ion:142 Resp: 102664
Ion Ratio Lower Upper
142 100
141 89.1 72.6 108.8



#37
1-Methylnaphthalene
Concen: 9.952 ng/ul
RT: 12.504 min Scan# 1602
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:142 Resp: 79395
Ion Ratio Lower Upper
142 100
141 95.2 75.8 113.6
116 3.5 3.2 4.8

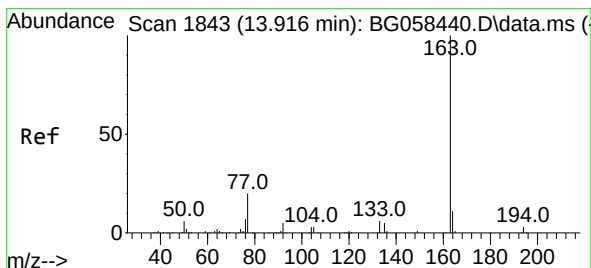
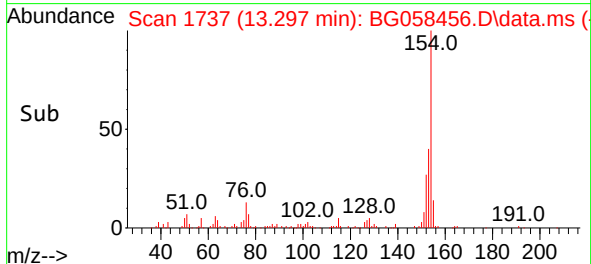
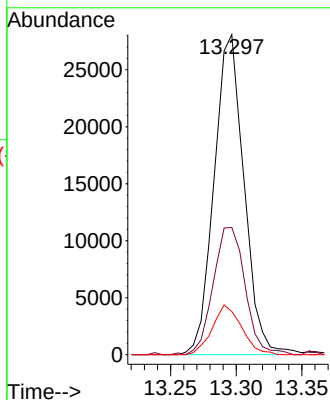
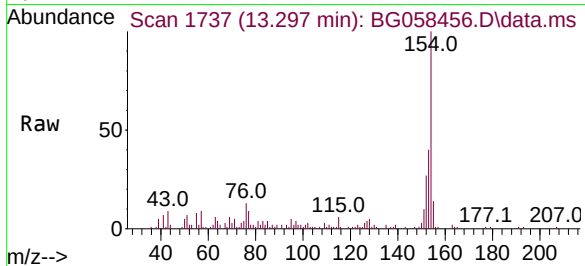




#43
1,1'-Biphenyl
Concen: 4.233 ng/ul
RT: 13.297 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

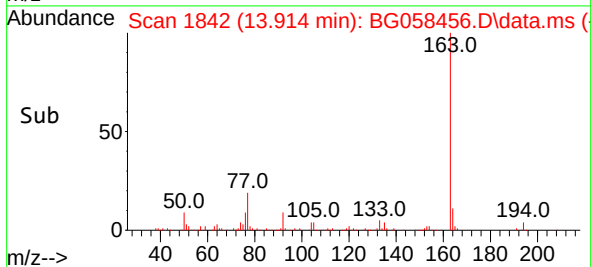
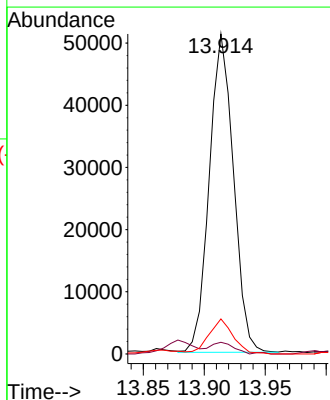
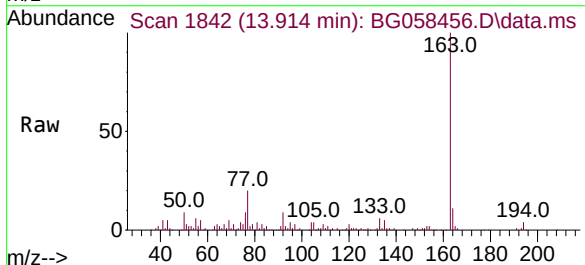
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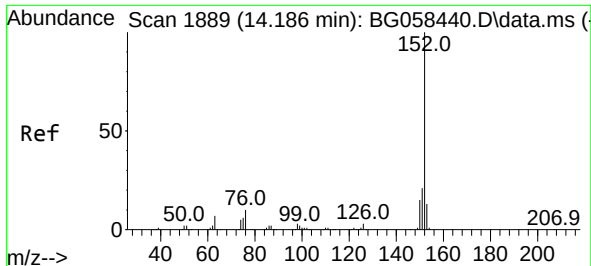
Tgt Ion:154	Resp:	44301
Ion Ratio	Lower	Upper
154	100	
153	39.8	31.8 47.6
76	13.5	11.7 17.5



#47
Dimethylphthalate
Concen: 5.902 ng/ul
RT: 13.914 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:163	Resp:	70760
Ion Ratio	Lower	Upper
163	100	
194	3.7	2.6 3.8
164	10.9	8.2 12.2

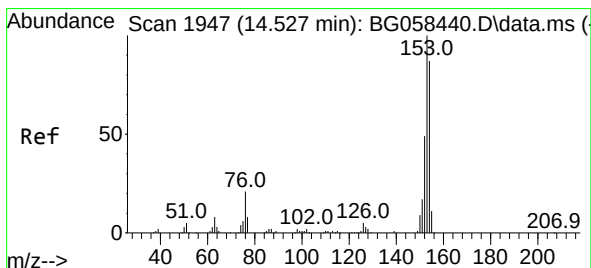
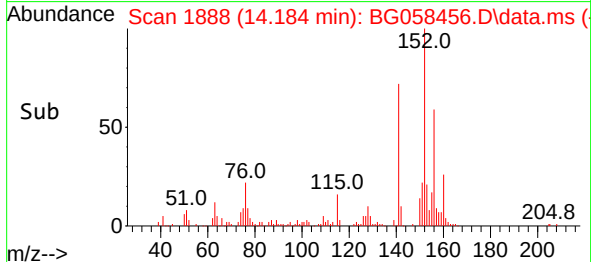
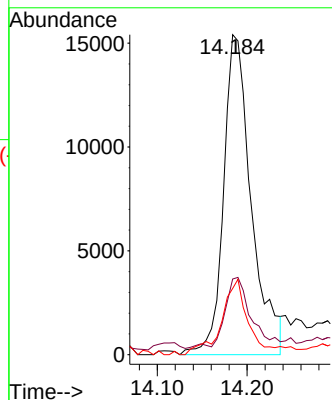
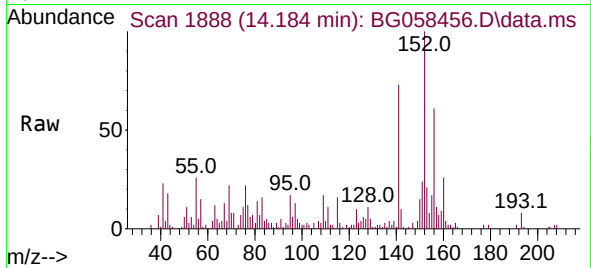




#50
Acenaphthylene
Concen: 2.457 ng/ul
RT: 14.184 min Scan# 1888
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

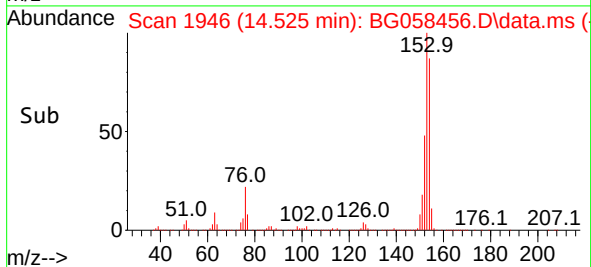
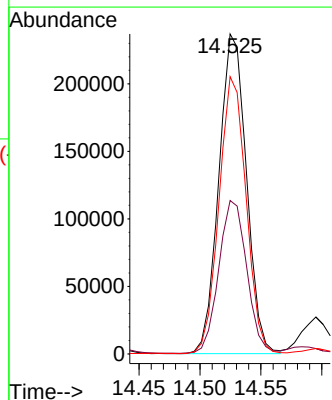
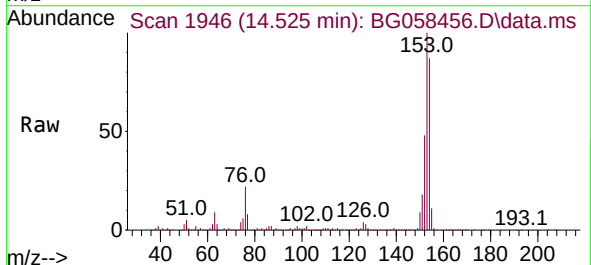
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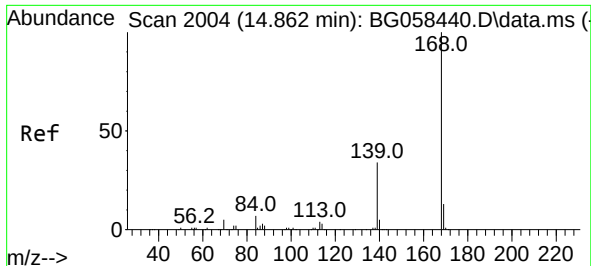
Tgt Ion:152 Resp: 33170
Ion Ratio Lower Upper
152 100
151 23.6 16.4 24.6
153 20.7 10.6 16.0#



#52
Acenaphthene
Concen: 39.764 ng/ul
RT: 14.525 min Scan# 1946
Delta R.T. -0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:153 Resp: 372741
Ion Ratio Lower Upper
153 100
152 48.0 39.1 58.7
154 86.7 68.7 103.1

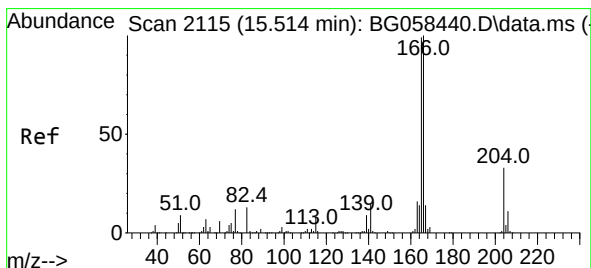
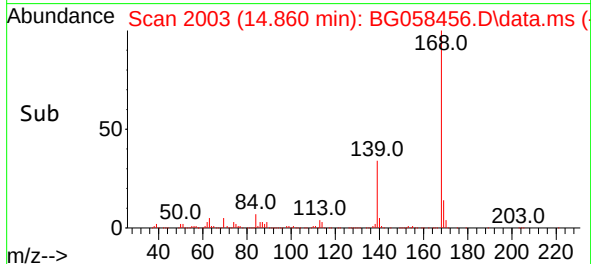
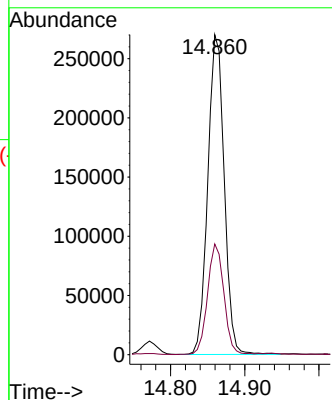
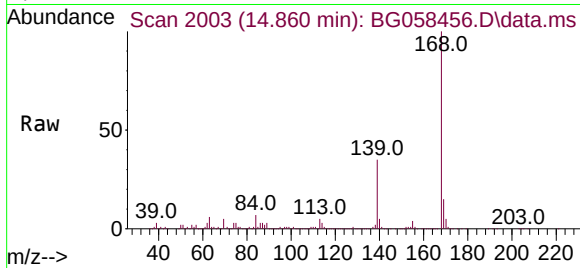




#56
 Dibenzofuran
 Concen: 31.189 ng/ul
 RT: 14.860 min Scan# 2004
 Delta R.T. -0.003 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44

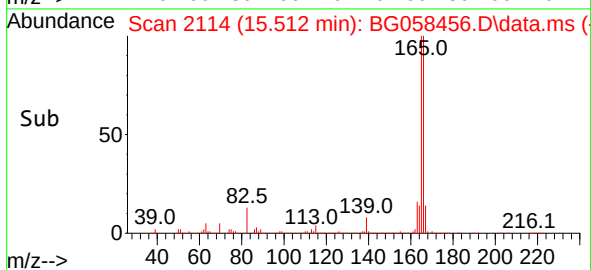
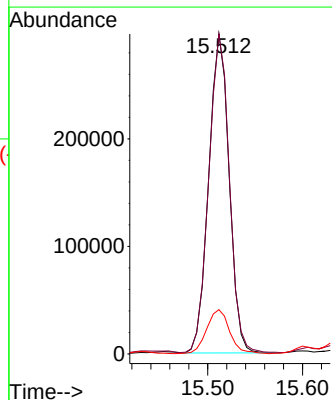
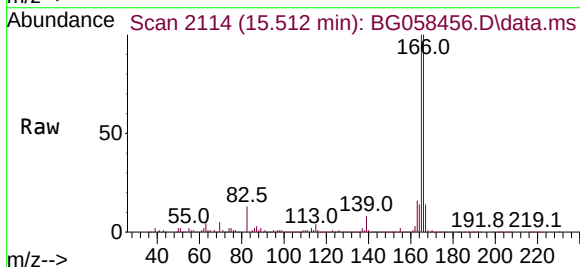
Instrument :
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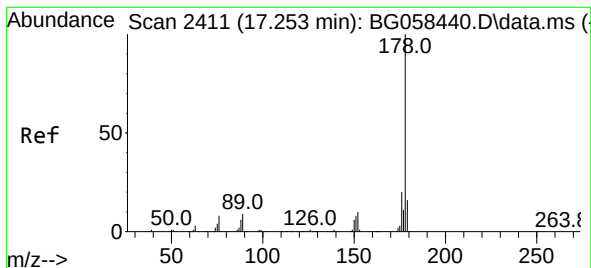
Tgt Ion:168 Resp: 416299
 Ion Ratio Lower Upper
 168 100
 139 34.6 27.8 41.8



#61
 Fluorene
 Concen: 40.658 ng/ul
 RT: 15.512 min Scan# 2114
 Delta R.T. -0.003 min
 Lab File: BG058456.D
 Acq: 25 Jul 2023 21:44

Tgt Ion:166 Resp: 445032
 Ion Ratio Lower Upper
 166 100
 165 100.0 80.2 120.2
 167 13.9 10.5 15.7





#72

Phenanthrene

Concen: 58.205 ng/uI

RT: 17.345 min Scan# 2411

Delta R.T. 0.091 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

Instrument :

BNA_G

ClientSampleId :

A4734

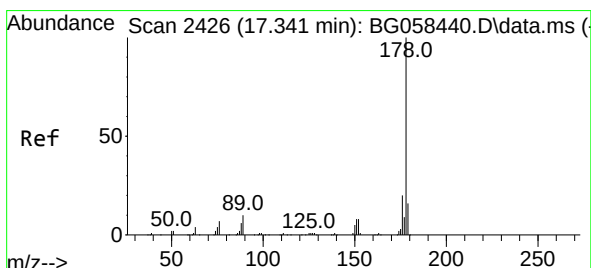
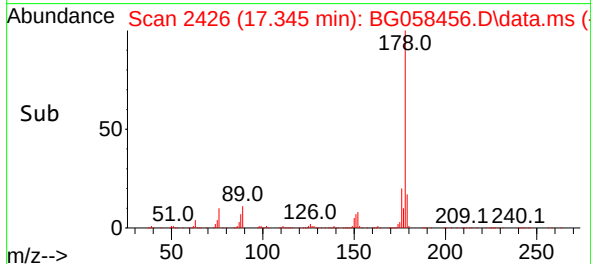
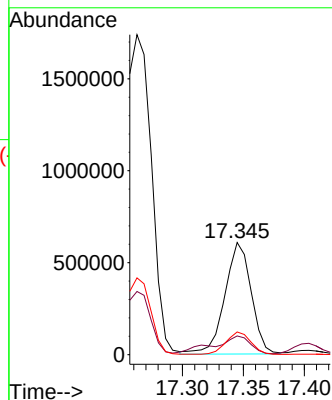
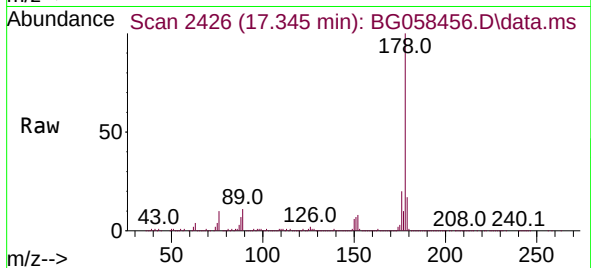
Tgt Ion:178 Resp: 913482

Ion Ratio Lower Upper

178 100

179 16.8 11.9 17.9

176 20.2 15.8 23.8



#74

Anthracene

Concen: 58.149 ng/uI

RT: 17.345 min Scan# 2426

Delta R.T. 0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

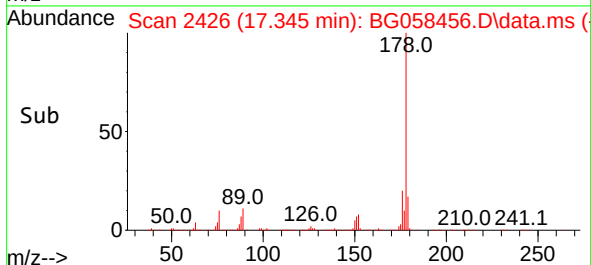
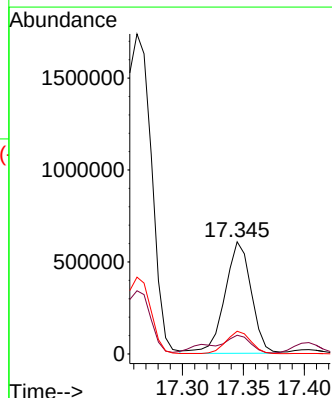
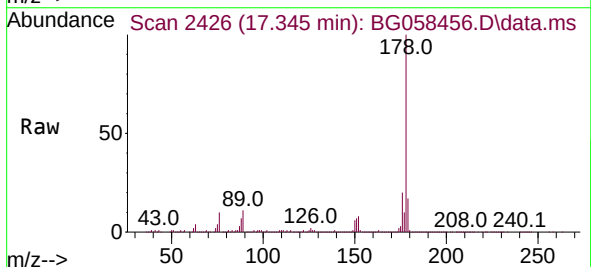
Tgt Ion:178 Resp: 916162

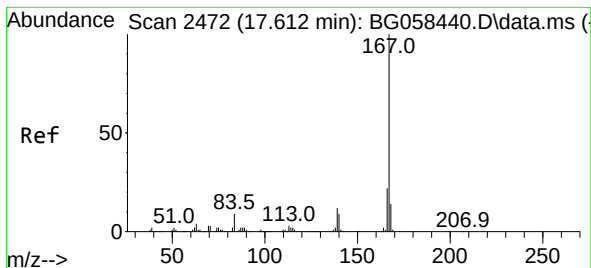
Ion Ratio Lower Upper

178 100

179 16.8 13.4 20.2

176 20.2 16.2 24.2





#77

Carbazole

Concen: 8.989 ng/ul

RT: 17.615 min Scan# 2472

Delta R.T. -0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

Instrument :

BNA_G

ClientSampleId :

A4734

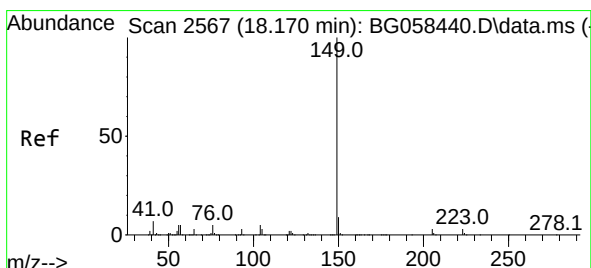
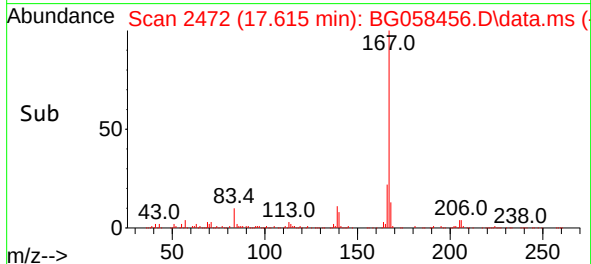
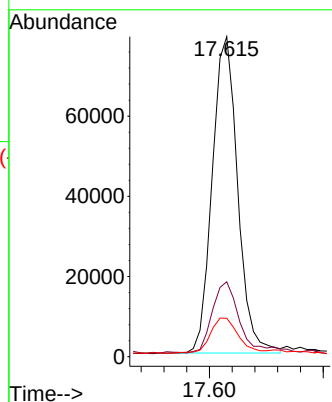
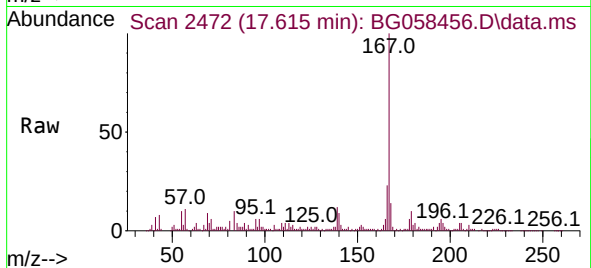
Tgt Ion:167 Resp: 122767

Ion Ratio Lower Upper

167 100

166 23.4 17.8 26.8

139 12.0 9.4 14.0



#78

Di-n-butylphthalate

Concen: 5.066 ng/ul

RT: 18.167 min Scan# 2566

Delta R.T. -0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

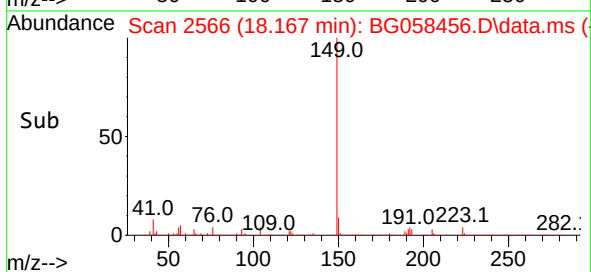
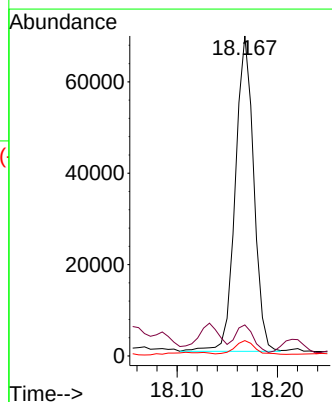
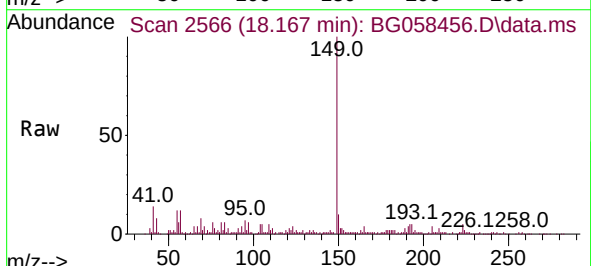
Tgt Ion:149 Resp: 87912

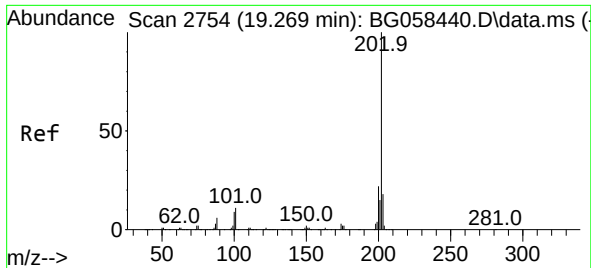
Ion Ratio Lower Upper

149 100

150 9.7 7.2 10.8

104 4.8 3.9 5.9

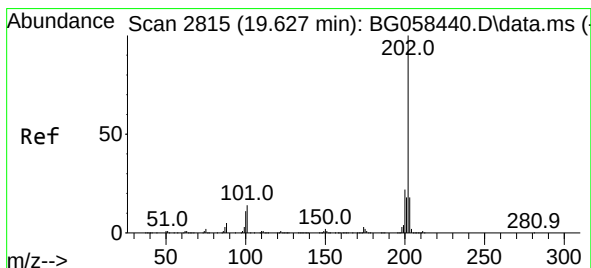
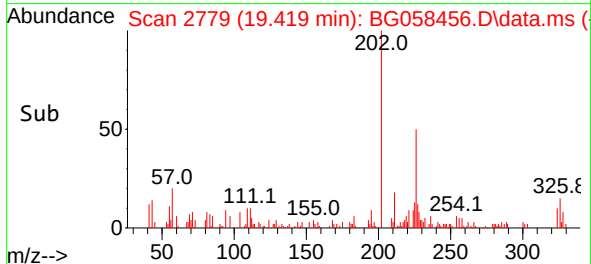
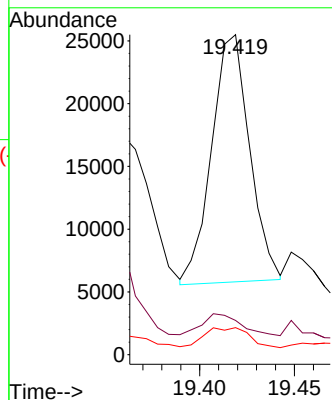
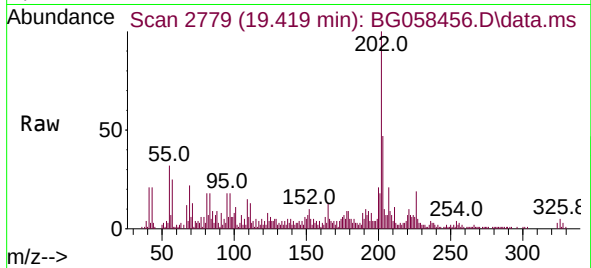




#80
Fluoranthene
Concen: 1.546 ng/ul
RT: 19.419 min Scan# 2754
Delta R.T. 0.150 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

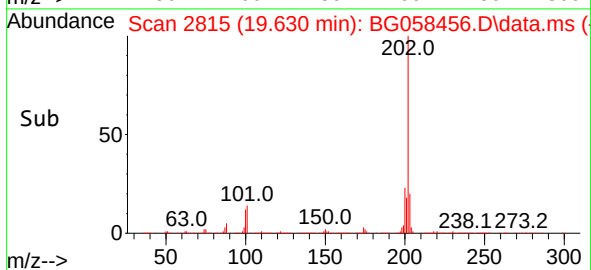
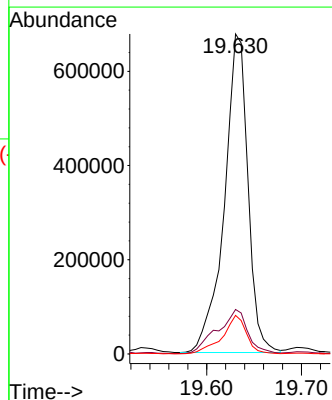
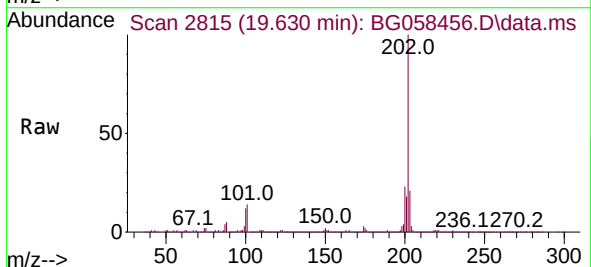
Instrument :
BNA_G
ClientSampleId :
A4734

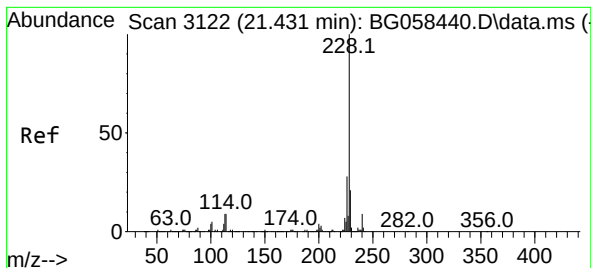
Tgt Ion:202 Resp: 27538
Ion Ratio Lower Upper
202 100
101 10.7 8.6 12.8
100 8.5 7.2 10.8



#82
Pyrene
Concen: 64.749 ng/ul
RT: 19.630 min Scan# 2815
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:202 Resp: 1168289
Ion Ratio Lower Upper
202 100
101 13.9 10.2 15.2
100 12.0 8.9 13.3





#85

Benzo(a)anthracene

Concen: 100.739 ng/ul

RT: 21.440 min Scan# 3122

Delta R.T. 0.009 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

Instrument :

BNA_G

ClientSampleId :

A4734

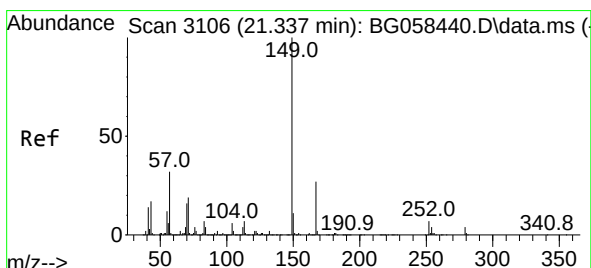
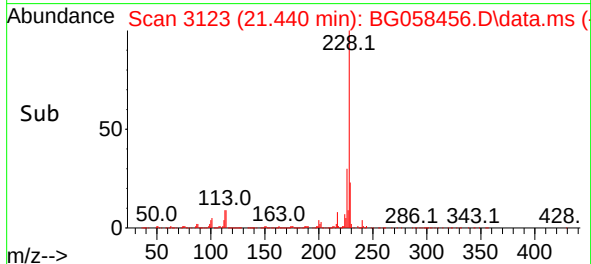
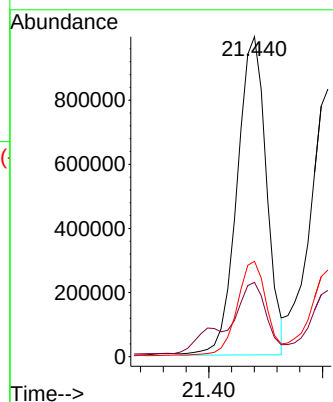
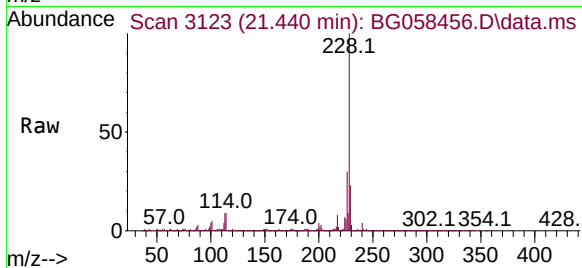
Tgt Ion:228 Resp: 1782027

Ion Ratio Lower Upper

228 100

229 23.2 15.7 23.5

226 29.8 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 21.164 ng/ul

RT: 21.340 min Scan# 3106

Delta R.T. 0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

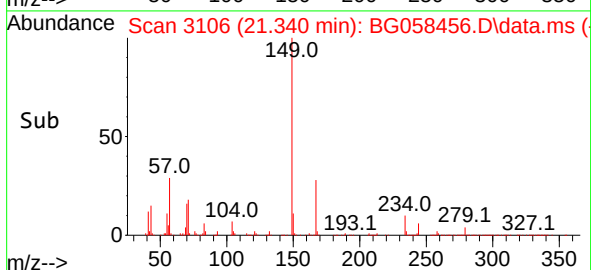
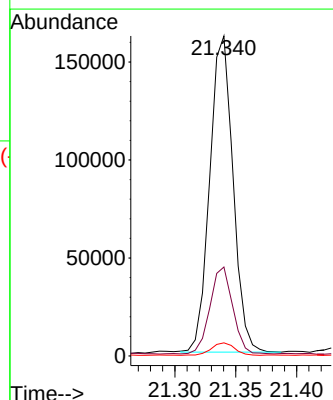
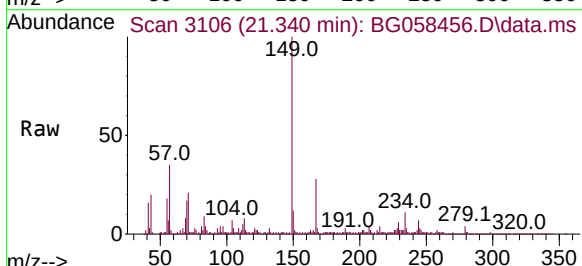
Tgt Ion:149 Resp: 213878

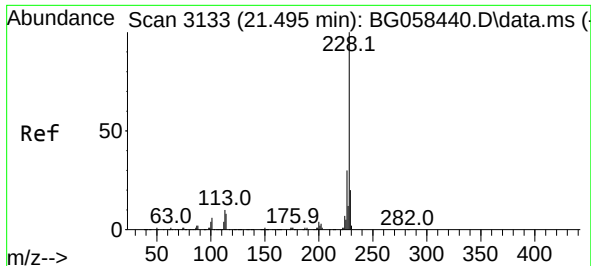
Ion Ratio Lower Upper

149 100

167 27.8 21.6 32.4

279 4.1 3.0 4.4

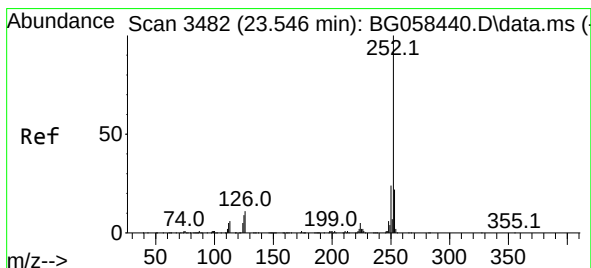
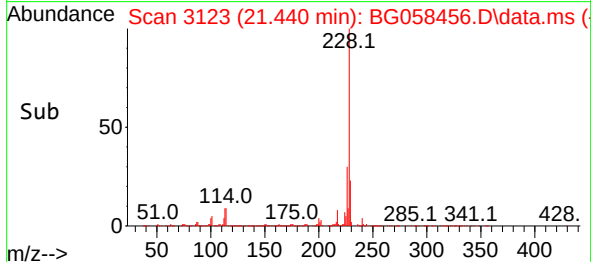
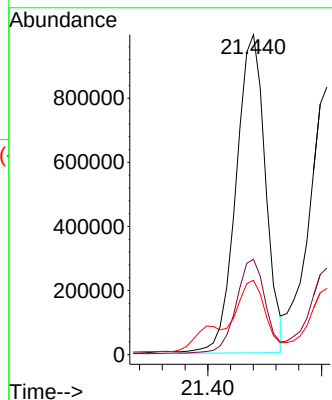
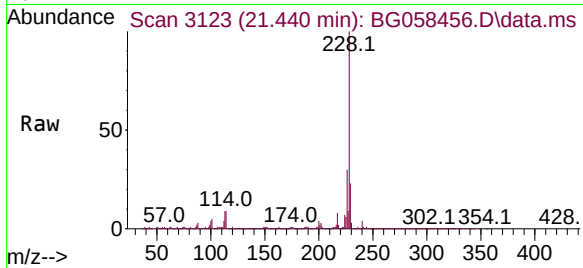




#87
Chrysene
Concen: 106.229 ng/ul
RT: 21.440 min Scan# 3133
Delta R.T. -0.056 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

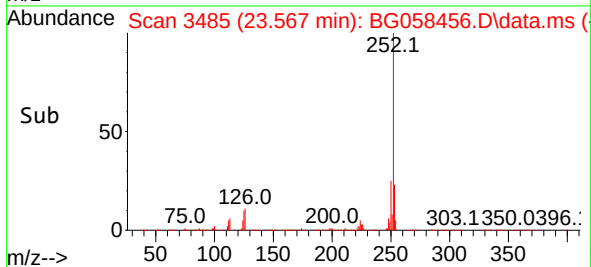
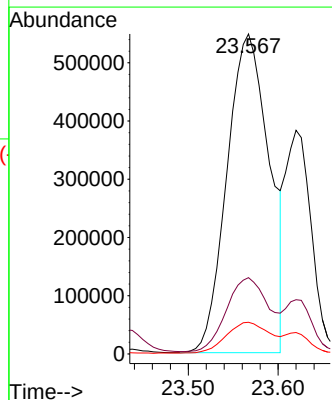
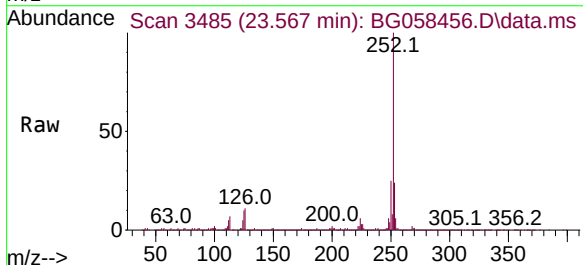
Instrument :
BNA_G
ClientSampleId :
A4734

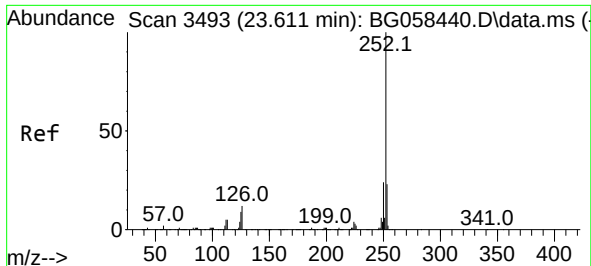
Tgt Ion:228 Resp: 1782418
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 23.2 15.8 23.8



#90
Benzo(b)fluoranthene
Concen: 87.082 ng/ul
RT: 23.567 min Scan# 3485
Delta R.T. 0.020 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:252 Resp: 1787828
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 9.9 6.7 10.1

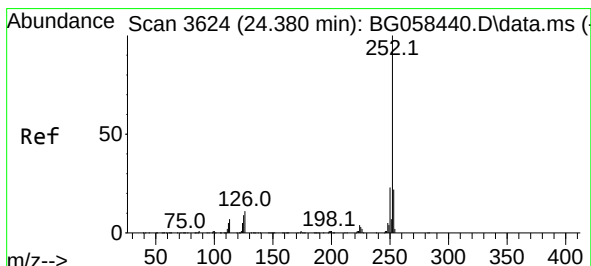
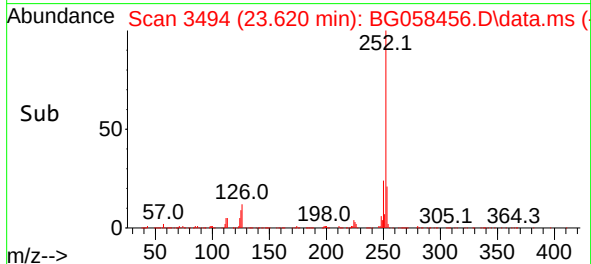
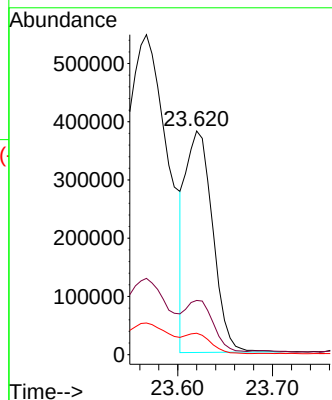
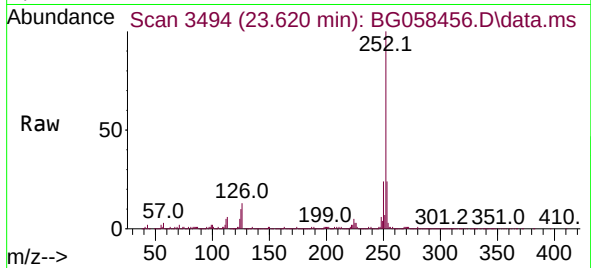




#91
Benzo(k)fluoranthene
Concen: 36.633 ng/u1
RT: 23.620 min Scan# 3493
Delta R.T. 0.009 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

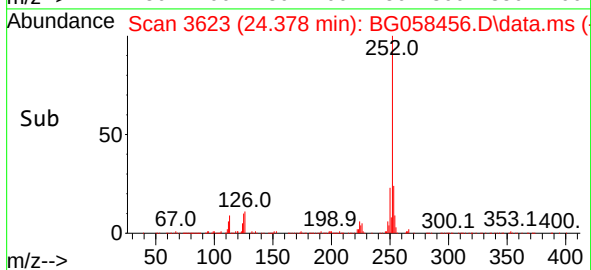
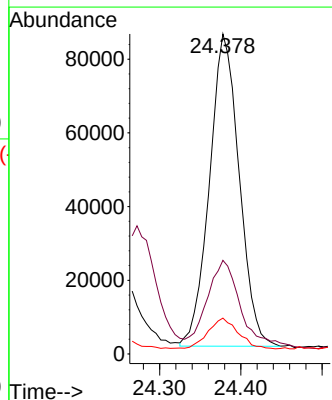
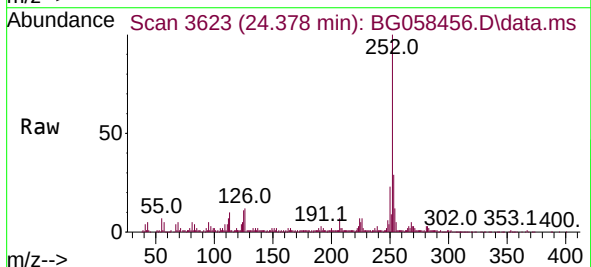
Instrument :
BNA_G
ClientSampleId :
A4734

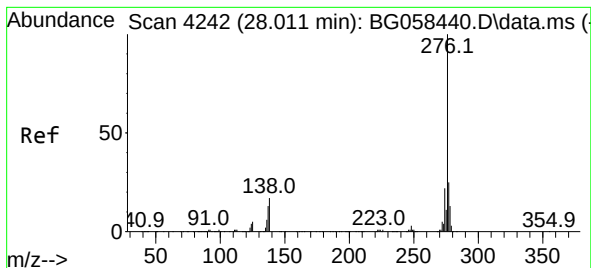
Tgt Ion:252 Resp: 750089
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 9.6 7.4 11.0



#93
Benzo(a)pyrene
Concen: 11.811 ng/u1
RT: 24.378 min Scan# 3623
Delta R.T. 0.003 min
Lab File: BG058456.D
Acq: 25 Jul 2023 21:44

Tgt Ion:252 Resp: 215677
Ion Ratio Lower Upper
252 100
253 29.2 17.4 26.0#
125 11.2 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.791 ng/ul

RT: 28.021 min Scan# 41

Delta R.T. 0.009 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

Instrument :

BNA_G

ClientSampleId :

A4734

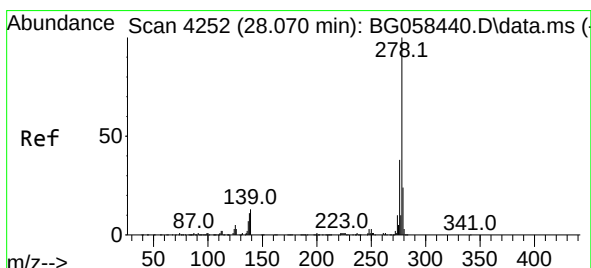
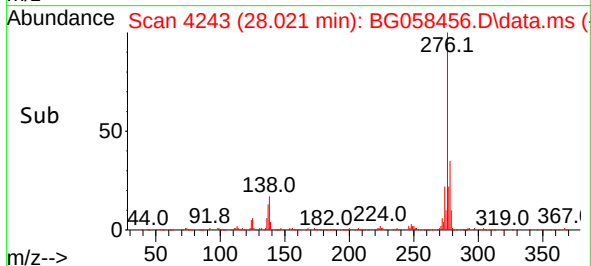
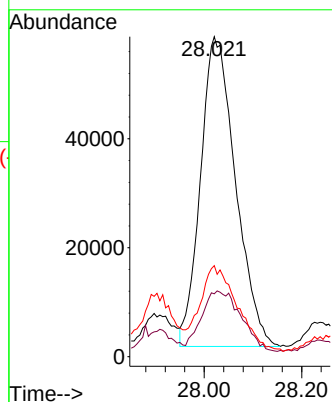
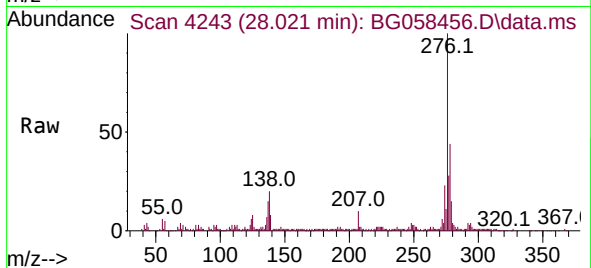
Tgt Ion:276 Resp: 283681

Ion Ratio Lower Upper

276 100

138 19.7 13.8 20.6

277 28.5 19.2 28.8



#95

Dibenzo(a,h)anthracene

Concen: 13.211 ng/ul

RT: 28.068 min Scan# 4251

Delta R.T. -0.003 min

Lab File: BG058456.D

Acq: 25 Jul 2023 21:44

Tgt Ion:278 Resp: 260630

Ion Ratio Lower Upper

278 100

139 12.5 10.4 15.6

279 29.0 18.4 27.6#

