

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057254.D
 Acq On : 1 May 2023 16:58
 Operator : CG/JU
 Sample : 02418-30DL 30X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW904DL

Quant Time: May 01 22:30:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

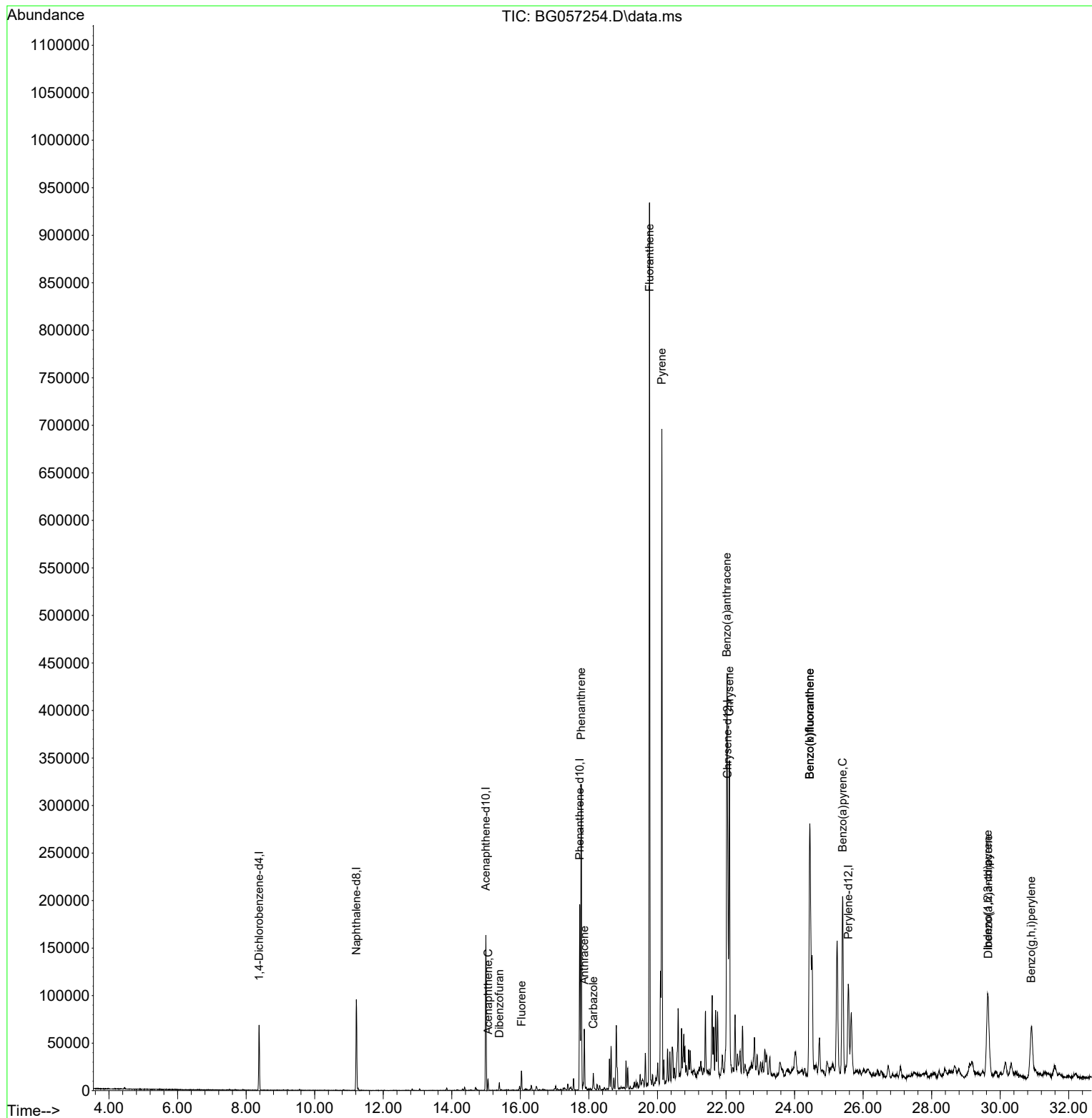
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	18049	20.000	ng/ul	0.00
20) Naphthalene-d8	11.216	136	78636	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.993	164	57576	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.731	188	129002	20.000	ng/ul	0.00
79) Chrysene-d12	22.049	240	110578	20.000	ng/ul	# 0.00
88) Perylene-d12	25.567	264	116018	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	4.091	84	132	0.102	ng/ul	0.00
7) Phenol-d5	7.521	99	604	0.354	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	261	0.260	ng/ul	0.00
11) 2-Chlorophenol-d4	7.903	132	521	0.463	ng/ul	0.00
15) 4-Methylphenol-d8	9.078	113	190	0.146	ng/ul	0.00
21) Nitrobenzene-d5	0.000	128	0	0.000	ng/ul	
24) 2-Nitrophenol-d4	10.294	143	276	0.378	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	455	0.323	ng/ul	0.00
31) 4-Chloroaniline-d4	0.000	131	0	0.000	ng/ul	
46) Dimethylphthalate-d6	14.377	166	2521	0.553	ng/ul	0.00
49) Acenaphthylene-d8	14.694	160	2970	0.579	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
60) Fluorene-d10	15.980	176	2296	0.540	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.831	188	3554	0.604	ng/ul	0.00
81) Pyrene-d10	20.098	212	3886	0.592	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.321	264	3674	0.622	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.058	153	5168	1.392	ng/ul	96
56) Dibenzofuran	15.387	168	5673	1.058	ng/ul	95
61) Fluorene	16.033	166	10232	2.257	ng/ul	93
72) Phenanthrene	17.778	178	215668	32.104	ng/ul	99
74) Anthracene	17.866	178	43227	6.406	ng/ul	97
77) Carbazole	18.130	167	11960	2.121	ng/ul	95
80) Fluoranthene	19.769	202	601976	77.209	ng/ul#	96
82) Pyrene	20.128	202	480279	60.849	ng/ul	98
85) Benzo(a)anthracene	22.025	228	267508	34.205	ng/ul	99
87) Chrysene	22.101	228	270628	36.678	ng/ul	96
90) Benzo(b)fluoranthene	24.445	252	370599	46.128	ng/ul	96
91) Benzo(k)fluoranthene	24.445	252	370599	47.414	ng/ul	98
93) Benzo(a)pyrene	25.403	252	226744	32.691	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.638	276	167055	19.267	ng/ul#	96
95) Dibenzo(a,h)anthracene	29.656	278	18297	2.545	ng/ul#	91
96) Benzo(g,h,i)perylene	30.907	276	69914	9.963	ng/ul	98

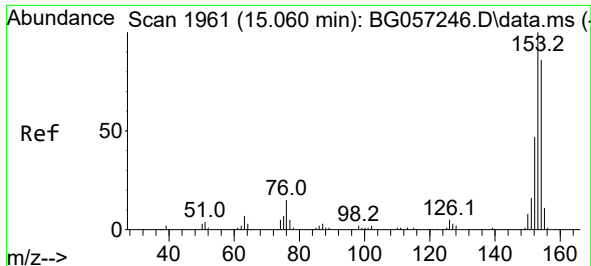
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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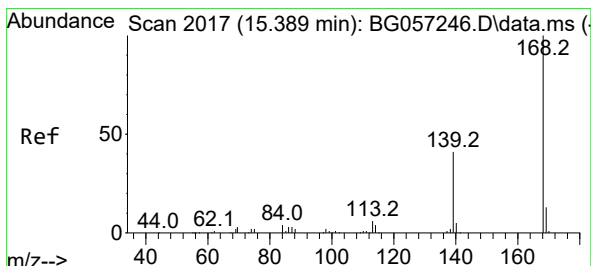
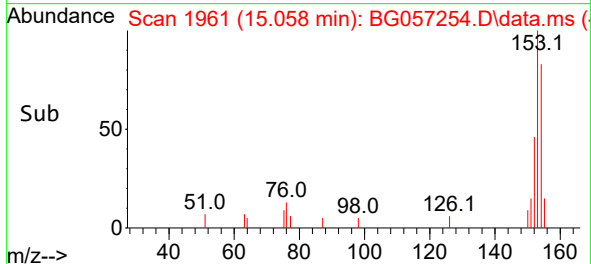
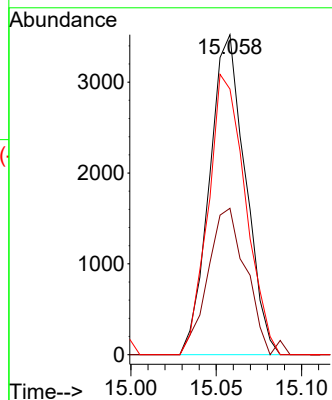
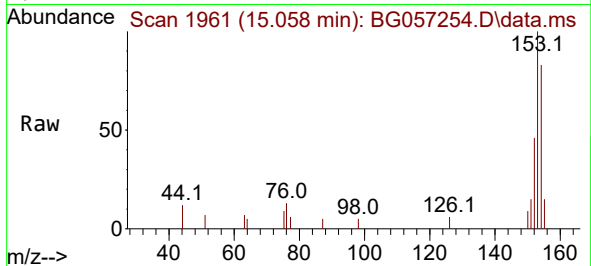




#52
Acenaphthene
Concen: 1.392 ng/ul
RT: 15.058 min Scan# 1961
Delta R.T. -0.002 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

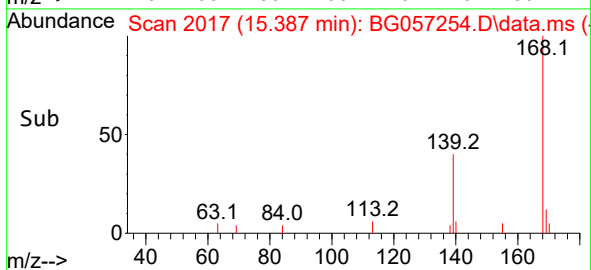
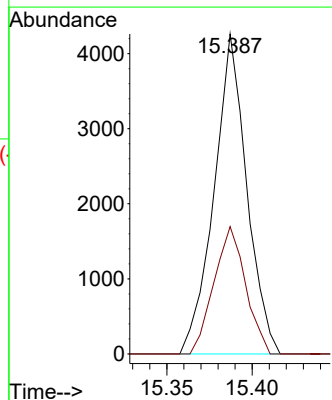
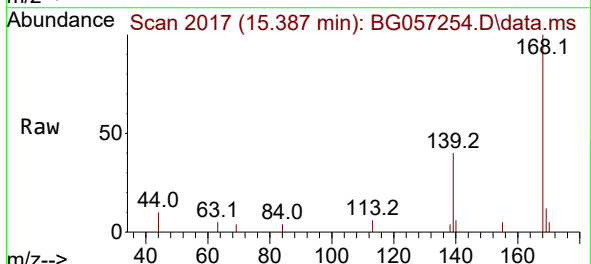
Instrument :
BNA_G
ClientSampleId :
EW904DL

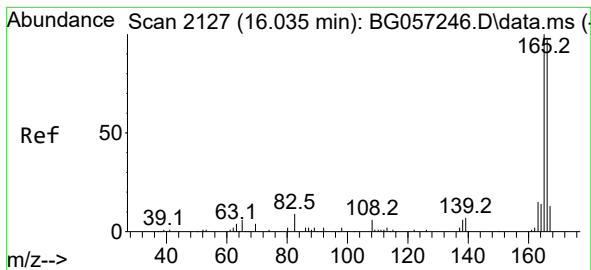
Tgt Ion:153 Resp: 5168
Ion Ratio Lower Upper
153 100
152 45.7 36.5 54.7
154 83.0 70.6 106.0



#56
Dibenzofuran
Concen: 1.058 ng/ul
RT: 15.387 min Scan# 1717
Delta R.T. -0.002 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

Tgt Ion:168 Resp: 5673
Ion Ratio Lower Upper
168 100
139 39.8 29.6 44.4





#61

Fluorene

Concen: 2.257 ng/ul

RT: 16.033 min Scan# 2127

Delta R.T. -0.002 min

Lab File: BG057254.D

Acq: 1 May 2023 16:58

Instrument :

BNA_G

ClientSampleId :

EW904DL

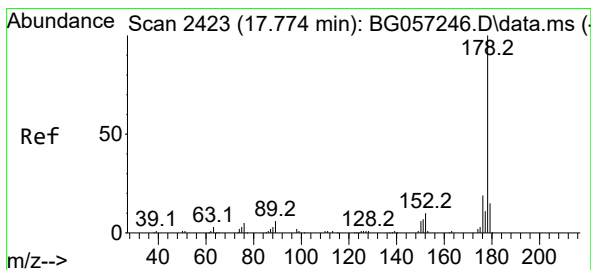
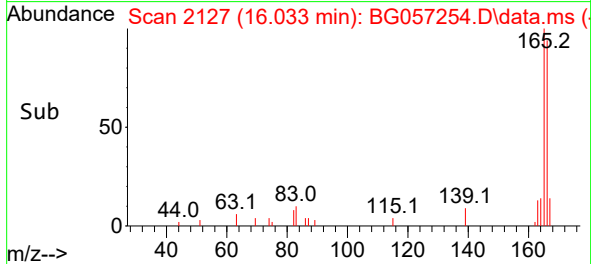
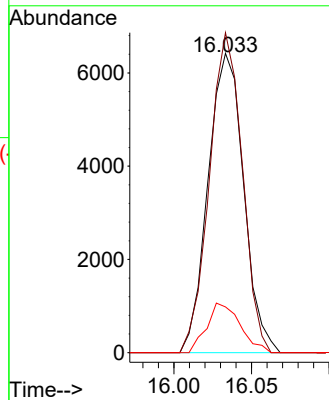
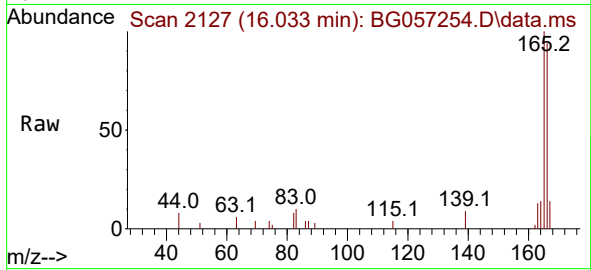
Tgt Ion:166 Resp: 10232

Ion Ratio Lower Upper

166 100

165 106.9 80.1 120.1

167 15.3 10.2 15.4



#72

Phenanthrene

Concen: 32.104 ng/ul

RT: 17.778 min Scan# 2424

Delta R.T. 0.004 min

Lab File: BG057254.D

Acq: 1 May 2023 16:58

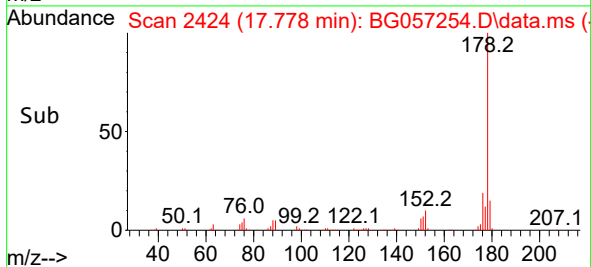
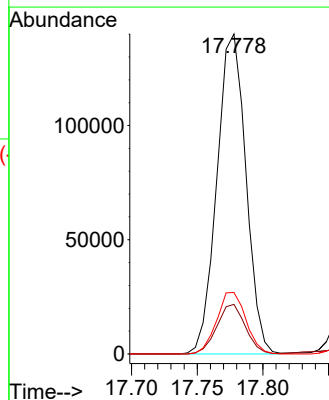
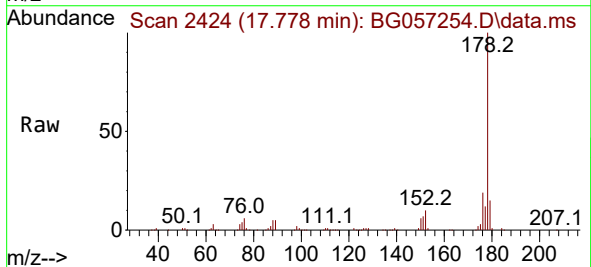
Tgt Ion:178 Resp: 215668

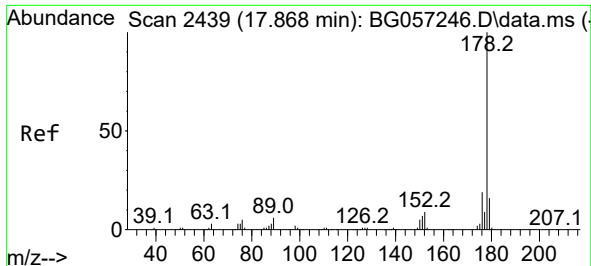
Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

176 19.2 15.4 23.0

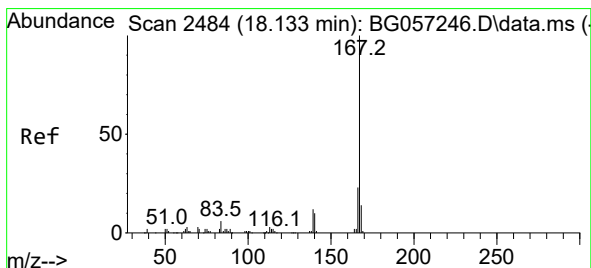
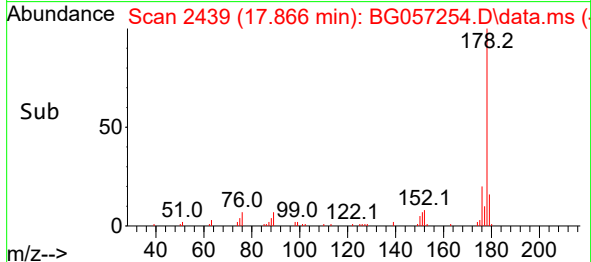
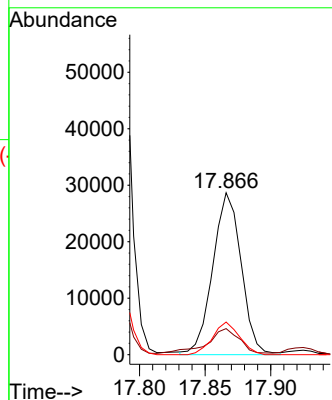
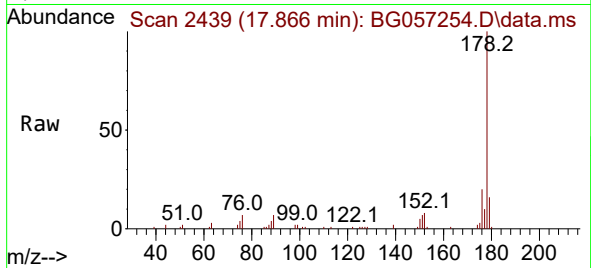




#74
 Anthracene
 Concen: 6.406 ng/ul
 RT: 17.866 min Scan# 2439
 Delta R.T. -0.002 min
 Lab File: BG057254.D
 Acq: 1 May 2023 16:58

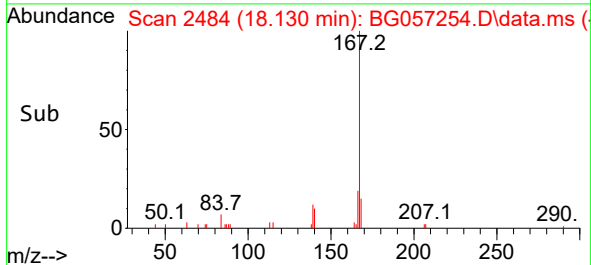
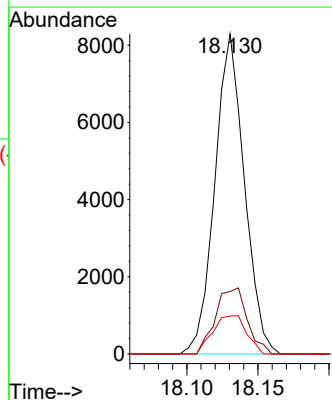
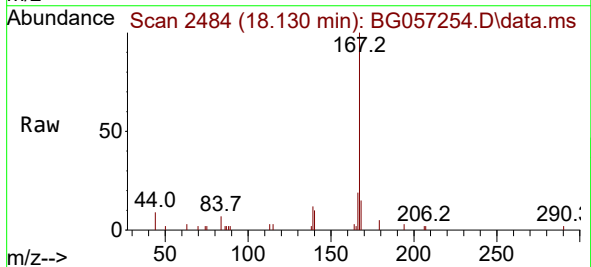
Instrument :
 BNA_G
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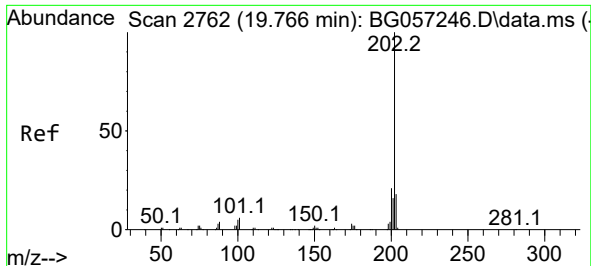
Tgt Ion:178 Resp: 43227
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.5 18.7
 176 20.2 14.7 22.1



#77
 Carbazole
 Concen: 2.121 ng/ul
 RT: 18.130 min Scan# 2484
 Delta R.T. -0.002 min
 Lab File: BG057254.D
 Acq: 1 May 2023 16:58

Tgt Ion:167 Resp: 11960
 Ion Ratio Lower Upper
 167 100
 166 19.5 18.0 27.0
 139 11.8 10.3 15.5

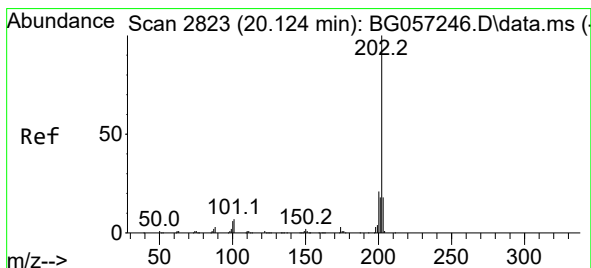
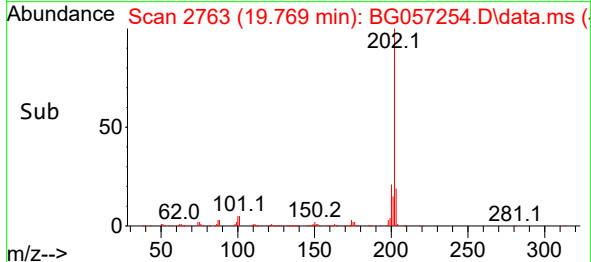
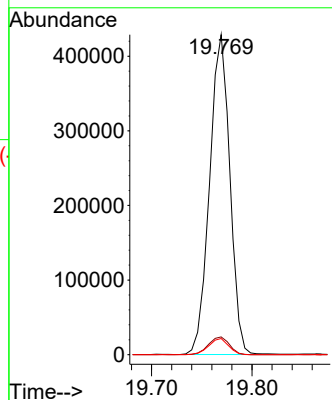
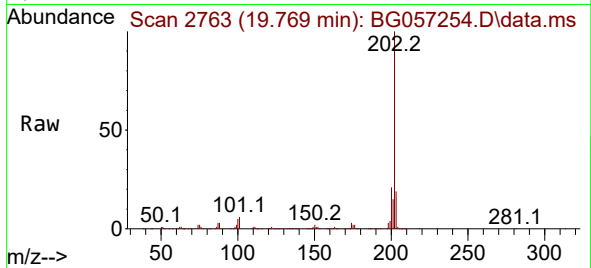




#80
Fluoranthene
Concen: 77.209 ng/ul
RT: 19.769 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

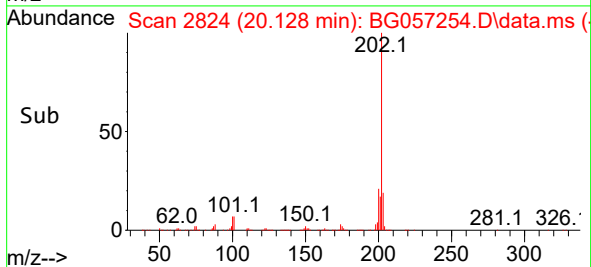
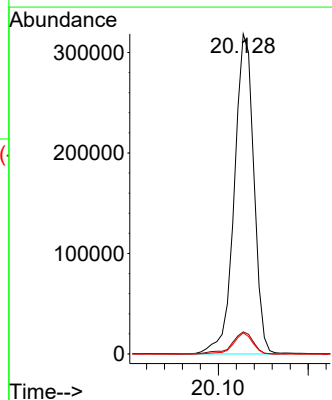
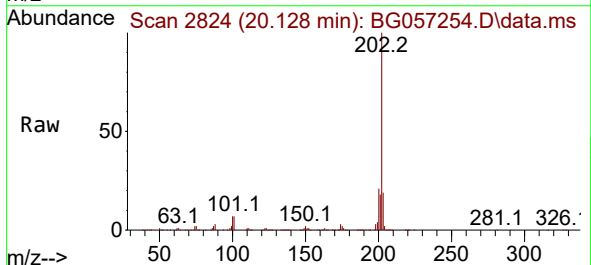
Instrument :
BNA_G
ClientSampleId :
EW904DL

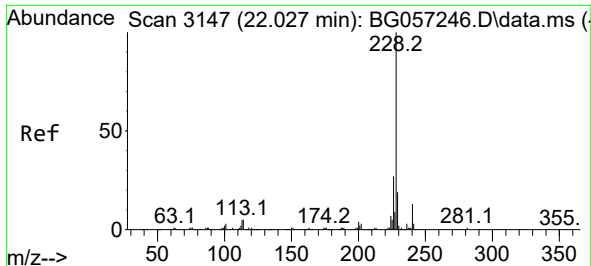
Tgt Ion:202 Resp: 601976
Ion Ratio Lower Upper
202 100
101 5.6 5.8 8.6#
100 5.1 4.6 7.0



#82
Pyrene
Concen: 60.849 ng/ul
RT: 20.128 min Scan# 2824
Delta R.T. 0.004 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

Tgt Ion:202 Resp: 480279
Ion Ratio Lower Upper
202 100
101 6.9 5.7 8.5
100 6.6 6.0 9.0

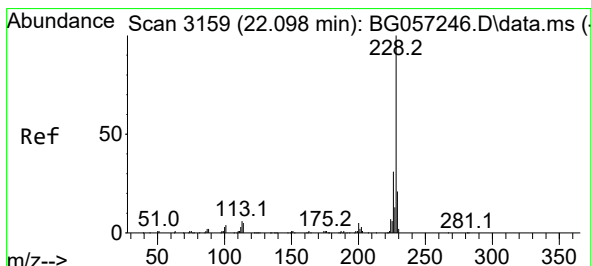
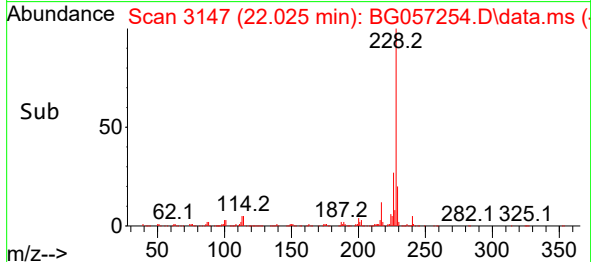
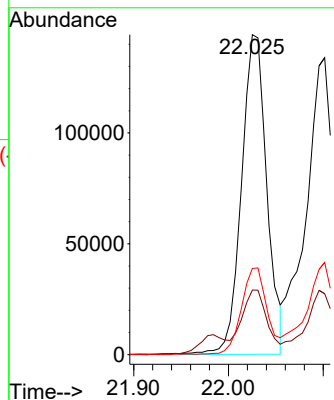
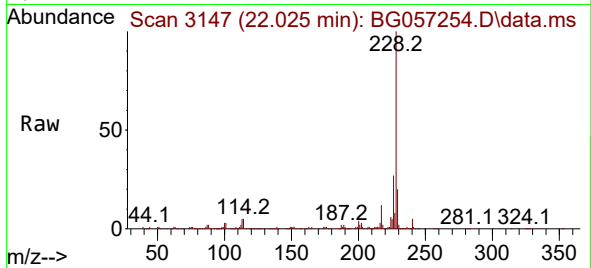




#85
Benzo(a)anthracene
Concen: 34.205 ng/uI
RT: 22.025 min Scan# 3147
Delta R.T. -0.002 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

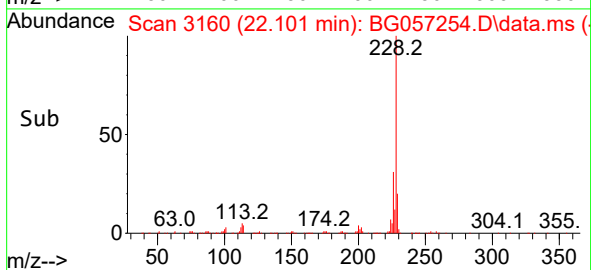
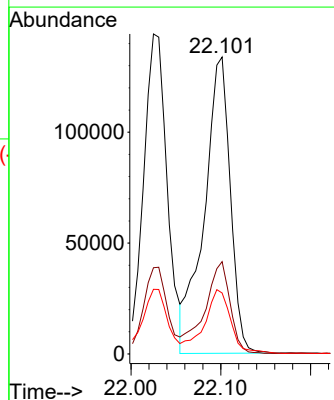
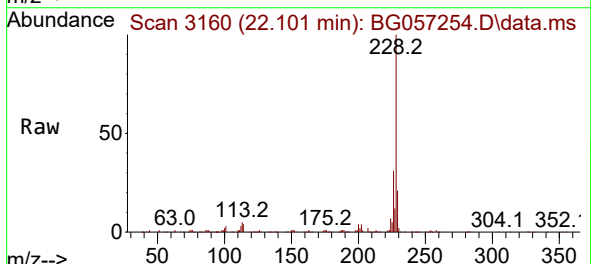
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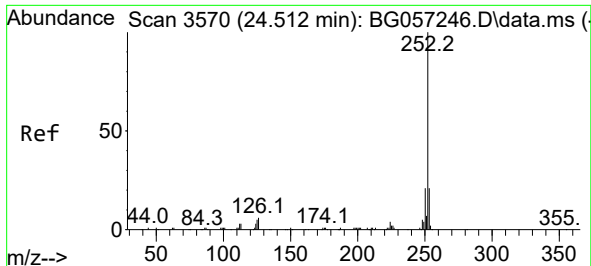
Tgt Ion:228 Resp: 267508
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 27.0 21.7 32.5



#87
Chrysene
Concen: 36.678 ng/uI
RT: 22.101 min Scan# 3160
Delta R.T. 0.004 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

Tgt Ion:228 Resp: 270628
Ion Ratio Lower Upper
228 100
226 31.1 22.8 34.2
229 20.5 15.5 23.3

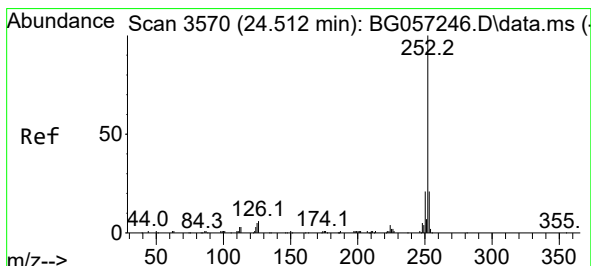
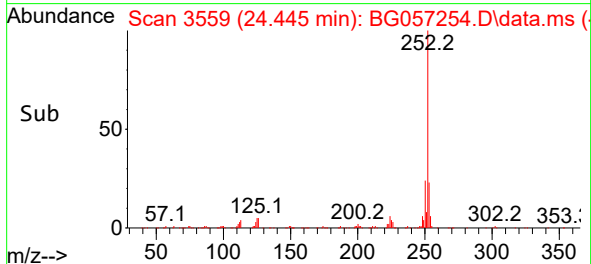
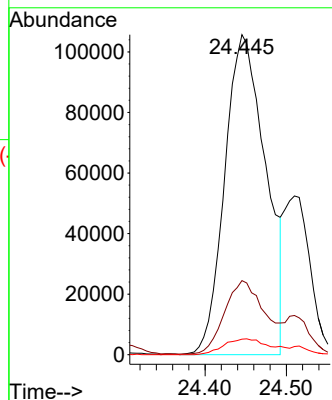
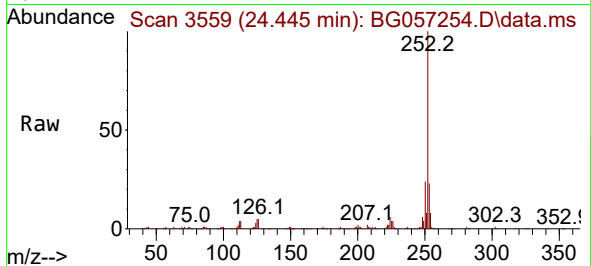




#90
Benzo(b)fluoranthene
Concen: 46.128 ng/ul
RT: 24.445 min Scan# 3559
Delta R.T. 0.009 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

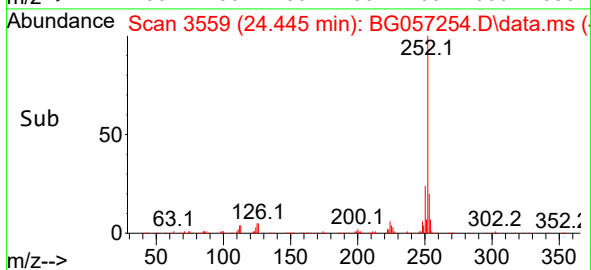
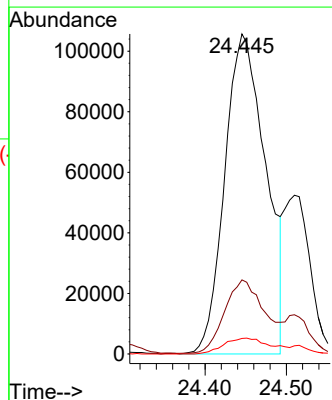
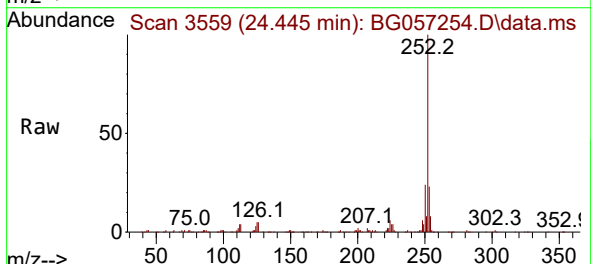
Instrument :
BNA_G
ClientSampleId :
EW904DL

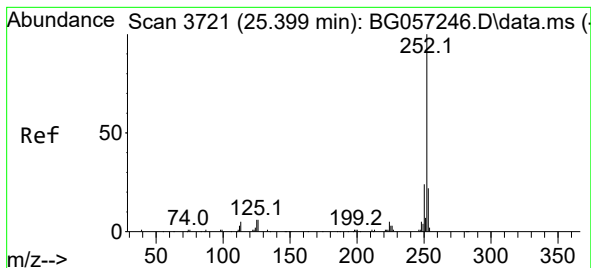
Tgt Ion:252 Resp: 370599
Ion Ratio Lower Upper
252 100
253 23.1 16.7 25.1
125 4.9 4.8 7.2



#91
Benzo(k)fluoranthene
Concen: 47.414 ng/ul
RT: 24.445 min Scan# 3559
Delta R.T. -0.067 min
Lab File: BG057254.D
Acq: 1 May 2023 16:58

Tgt Ion:252 Resp: 370599
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 4.9 4.5 6.7





#93

Benzo(a)pyrene

Concen: 32.691 ng/u1

RT: 25.403 min Scan# 3

Delta R.T. 0.004 min

Lab File: BG057254.D

Acq: 1 May 2023 16:58

Instrument :

BNA_G

ClientSampleId :

EW904DL

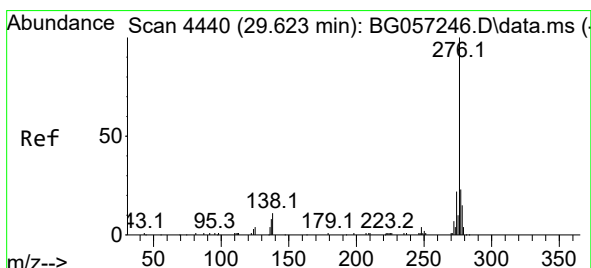
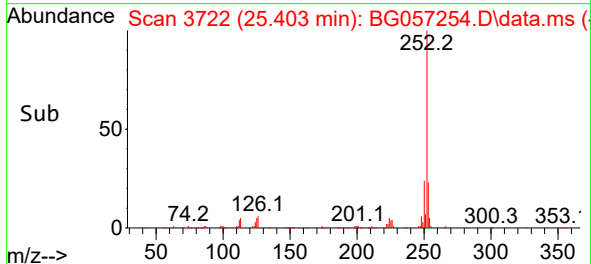
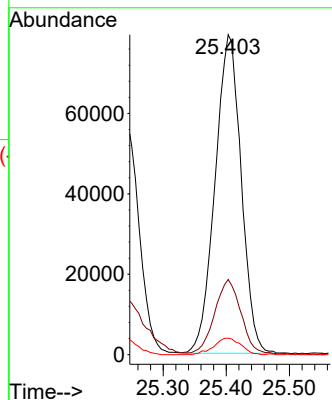
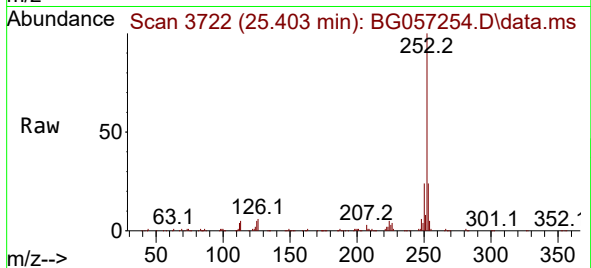
Tgt Ion:252 Resp: 226744

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 5.2 5.1 7.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.267 ng/u1

RT: 29.638 min Scan# 4443

Delta R.T. 0.015 min

Lab File: BG057254.D

Acq: 1 May 2023 16:58

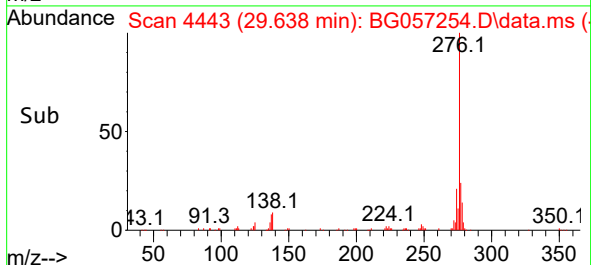
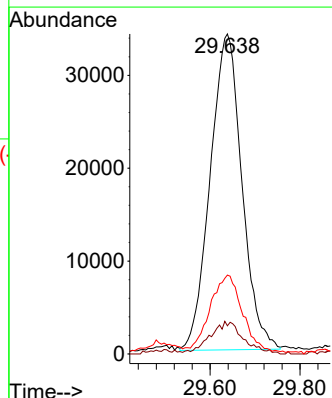
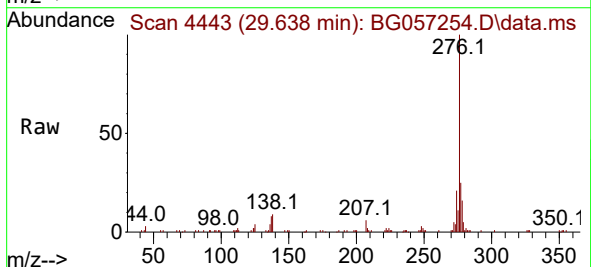
Tgt Ion:276 Resp: 167055

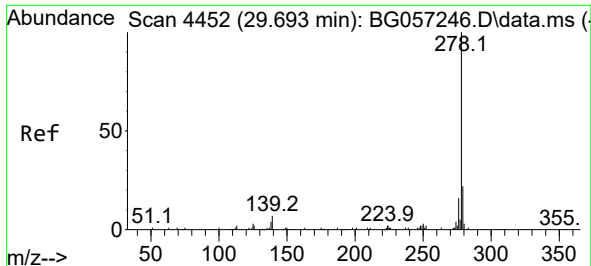
Ion Ratio Lower Upper

276 100

138 8.8 9.4 14.2#

277 24.6 18.6 28.0

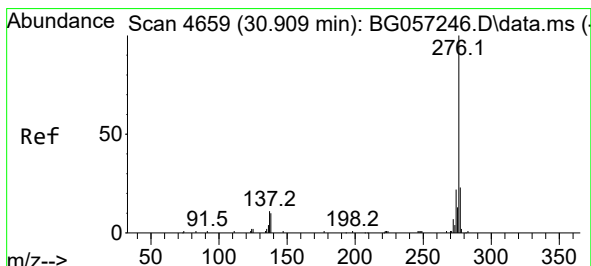
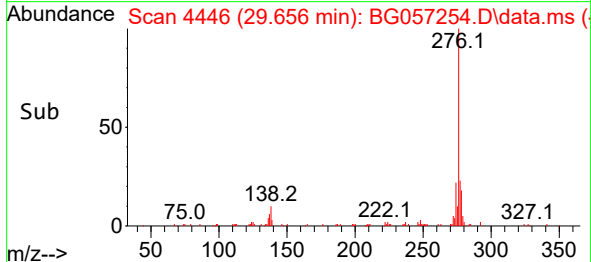
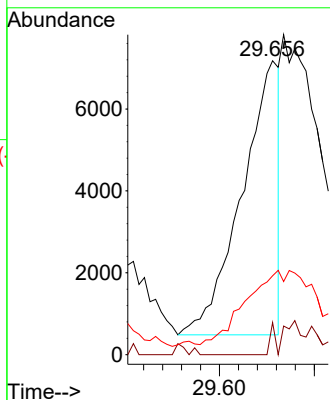
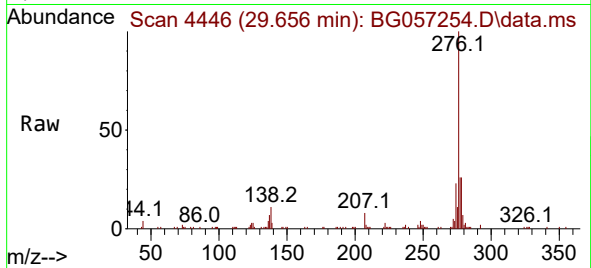




#95
 Dibenzo(a,h)anthracene
 Concen: 2.545 ng/ul
 RT: 29.656 min Scan# 4452
 Delta R.T. -0.038 min
 Lab File: BG057254.D
 Acq: 1 May 2023 16:58

Instrument :
 BNA_G
 ClientSampleId :
 EW904DL

Tgt Ion:278 Resp: 18297
 Ion Ratio Lower Upper
 278 100
 139 11.0 5.8 8.6#
 279 26.8 18.3 27.5



#96
 Benzo(g,h,i)perylene
 Concen: 9.963 ng/ul
 RT: 30.907 min Scan# 4659
 Delta R.T. -0.002 min
 Lab File: BG057254.D
 Acq: 1 May 2023 16:58

Tgt Ion:276 Resp: 69914
 Ion Ratio Lower Upper
 276 100
 138 12.0 8.7 13.1
 277 22.3 18.4 27.6

