

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057289.D
 Acq On : 3 May 2023 16:35
 Operator : CG/JU
 Sample : 02419-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW919

Quant Time: May 04 01:16:43 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	13395	20.000	ng/ul	0.00
20) Naphthalene-d8	11.216	136	57685	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.993	164	46319	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.737	188	107181	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.060	240	90047	20.000	ng/ul	# 0.00
88) Perylene-d12	25.585	264	96259	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	508	1.669	ng/uL	0.00
4) Pyridine-d5	4.091	84	617	0.643	ng/ul	0.00
7) Phenol-d5	7.521	99	18281	14.431	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	9844	13.212	ng/ul	0.00
11) 2-Chlorophenol-d4	7.909	132	13364	16.009	ng/ul	0.00
15) 4-Methylphenol-d8	9.084	113	14257	14.808	ng/ul	0.00
21) Nitrobenzene-d5	9.554	128	6842	14.894	ng/ul	0.00
24) 2-Nitrophenol-d4	10.288	143	7330	13.672	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	15979	15.449	ng/ul	0.00
31) 4-Chloroaniline-d4	11.340	131	8197	5.979	ng/ul	0.00
46) Dimethylphthalate-d6	14.377	166	58349	15.898	ng/ul	0.00
49) Acenaphthylene-d8	14.694	160	68116	16.513	ng/ul	0.00
54) 4-Nitrophenol-d4	15.193	143	2550	4.773	ng/ul	0.02
60) Fluorene-d10	15.980	176	54989	16.083	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.104	200	965	1.520	ng/ul	0.00
73) Anthracene-d10	17.837	188	86842	17.751	ng/ul	0.00
81) Pyrene-d10	20.104	212	93242	17.445	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.344	264	86287	17.595	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.715	88	364	1.128	ng/ul#	19
6) Benzaldehyde	7.515	77	512	1.323	ng/ul#	52
16) Acetophenone	9.213	105	2423	1.463	ng/ul#	82
30) Naphthalene	11.269	128	4333	1.368	ng/ul#	96
36) 2-Methylnaphthalene	12.843	142	4697	2.022	ng/ul	99
37) 1-Methylnaphthalene	13.067	142	3833	1.641	ng/ul#	97
52) Acenaphthene	15.058	153	11912	3.988	ng/ul	96
56) Dibenzofuran	15.387	168	11032	2.558	ng/ul	99
61) Fluorene	16.033	166	14252	3.908	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.010	198	747	1.154	ng/ul#	70
72) Phenanthrene	17.778	178	279135	50.011	ng/ul	98
74) Anthracene	17.872	178	63773	11.375	ng/ul	98
77) Carbazole	18.136	167	27721	5.916	ng/ul	98
80) Fluoranthene	19.769	202	532821	83.920	ng/ul#	96
82) Pyrene	20.134	202	458077	71.269	ng/ul#	97
85) Benzo(a)anthracene	22.037	228	248483	39.017	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.872	149	3695	1.234	ng/ul#	92
87) Chrysene	22.107	228	226521	37.700	ng/ul	96
90) Benzo(b)fluoranthene	24.463	252	327644	49.153	ng/ul	95
91) Benzo(k)fluoranthene	24.463	252	327644	50.523	ng/ul	98
93) Benzo(a)pyrene	25.262	252	156337	27.166	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.685	276	156785	21.795	ng/ul	98
95) Dibenzo(a,h)anthracene	29.709	278	22324	3.742	ng/ul#	88
96) Benzo(g,h,i)perylene	30.966	276	138582	23.803	ng/ul	96

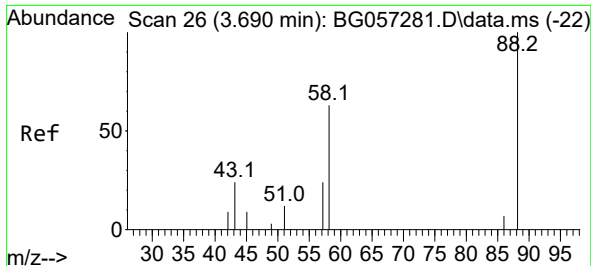
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
Data File : BG057289.D
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Response via : Initial Calibration

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

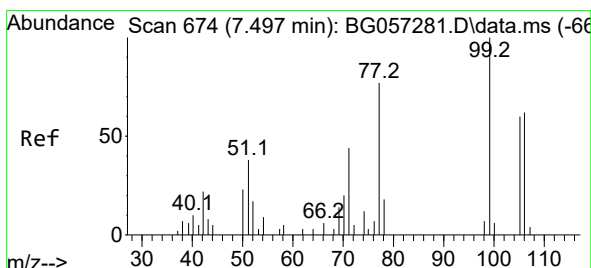
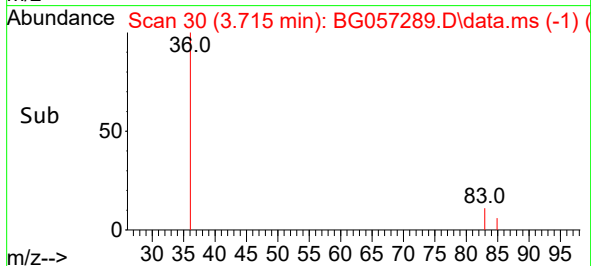
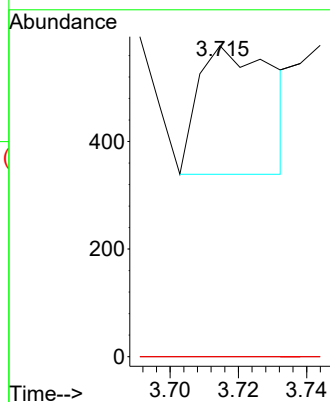
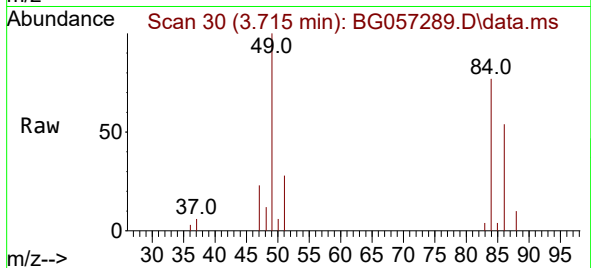
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 1.128 ng/uL
RT: 3.715 min Scan# 30
Delta R.T. 0.015 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

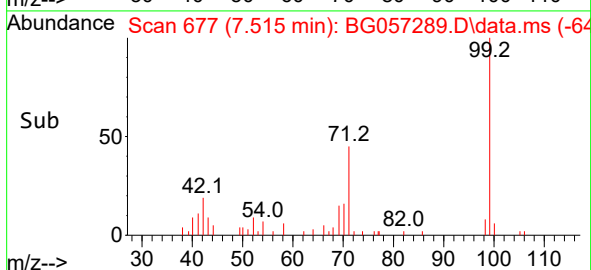
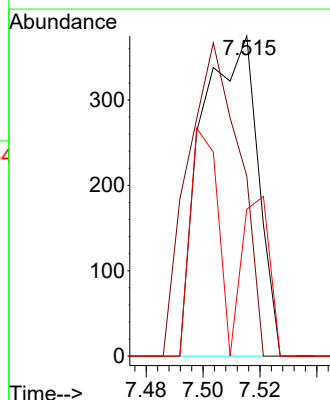
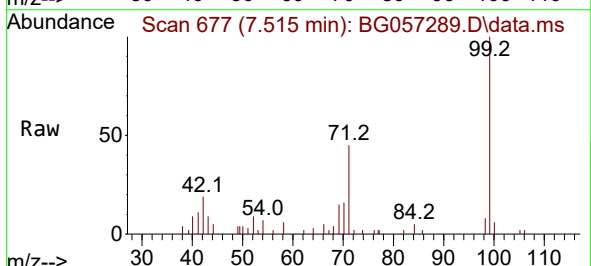
Instrument :
BNA_G
ClientSampleId :
EW919

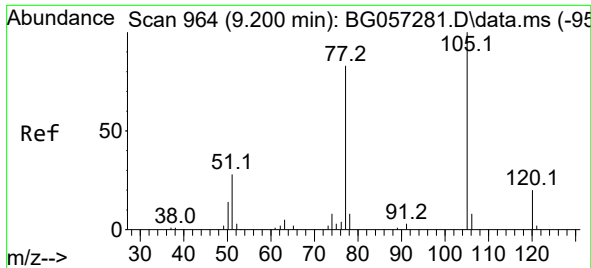
Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 63.3 94.9#



#6
Benzaldehyde
Concen: 1.323 ng/uL
RT: 7.515 min Scan# 677
Delta R.T. 0.009 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion: 77 Resp: 512
Ion Ratio Lower Upper
77 100
105 56.3 79.8 119.6#
106 45.9 78.7 118.1#

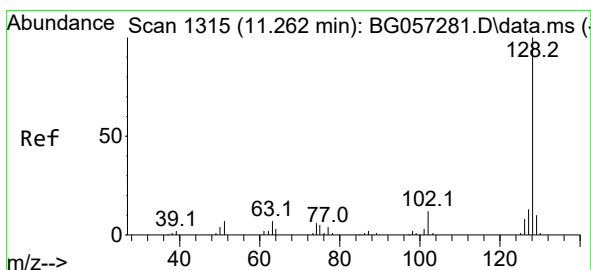
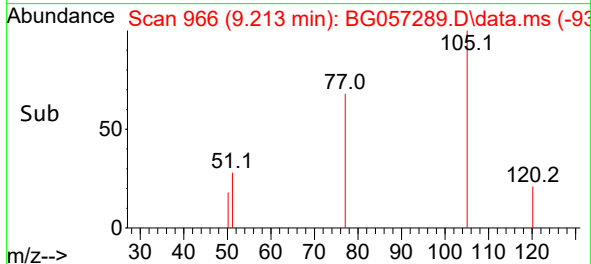
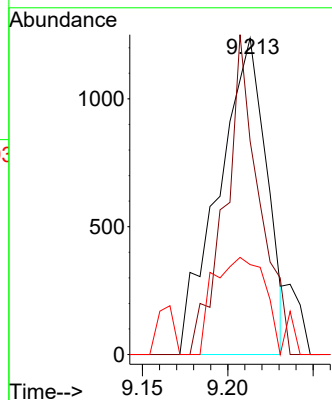
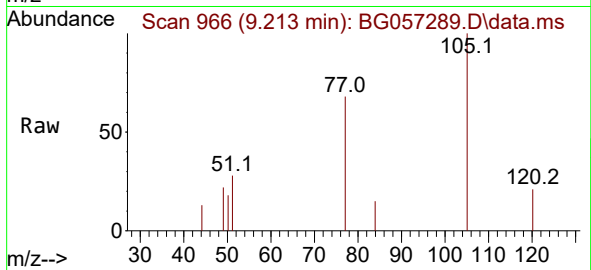




#16
Acetophenone
Concen: 1.463 ng/ul
RT: 9.213 min Scan# 90
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

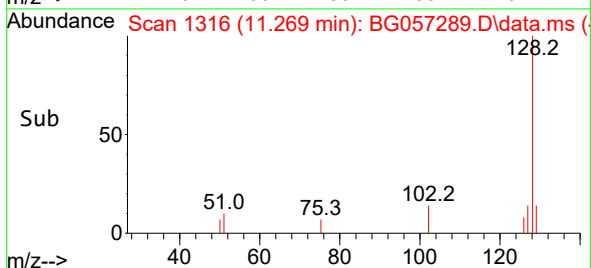
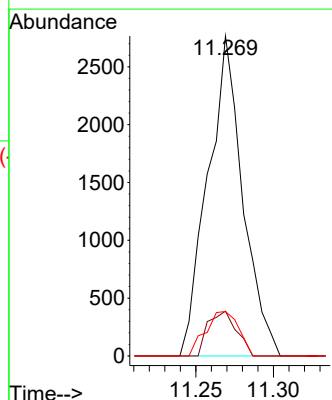
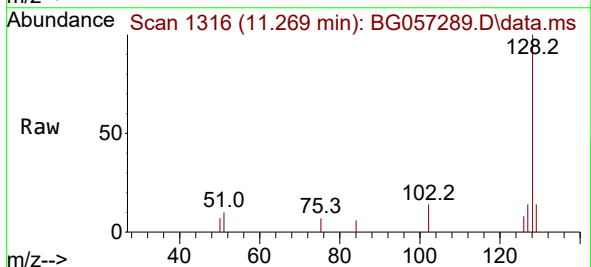
Instrument :
BNA_G
ClientSampleId :
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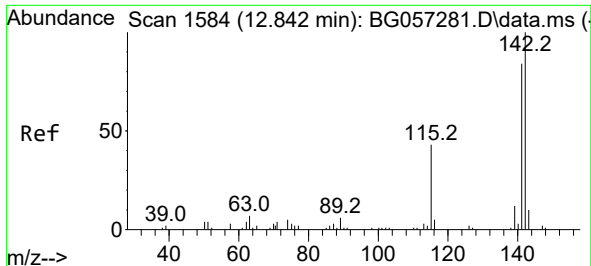
Tgt Ion:105 Resp: 2423
Ion Ratio Lower Upper
105 100
77 67.5 70.6 105.8#
51 28.5 24.5 36.7



#30
Naphthalene
Concen: 1.368 ng/ul
RT: 11.269 min Scan# 1316
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:128 Resp: 4333
Ion Ratio Lower Upper
128 100
129 14.0 8.5 12.7#
127 13.9 11.4 17.0

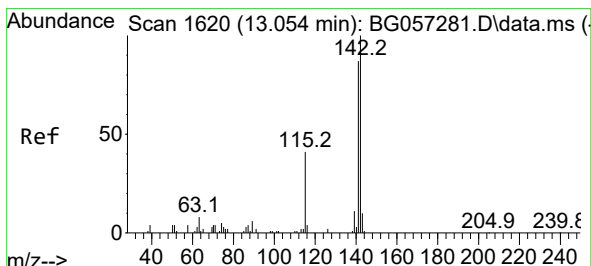
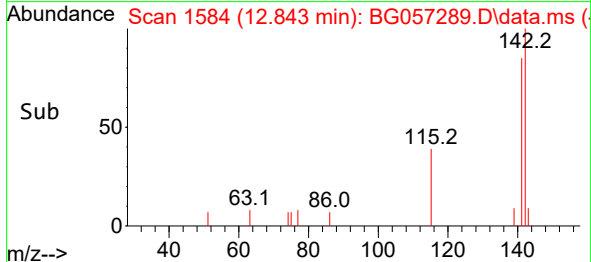
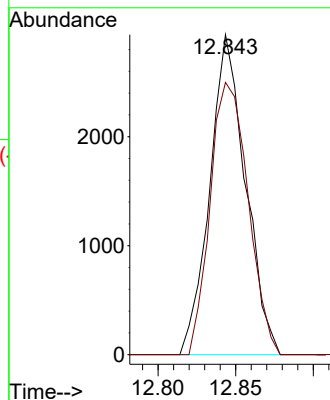
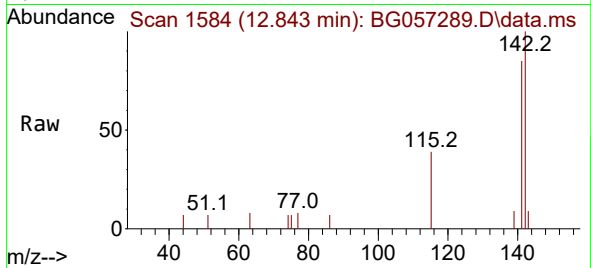




#36
2-Methylnaphthalene
Concen: 2.022 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

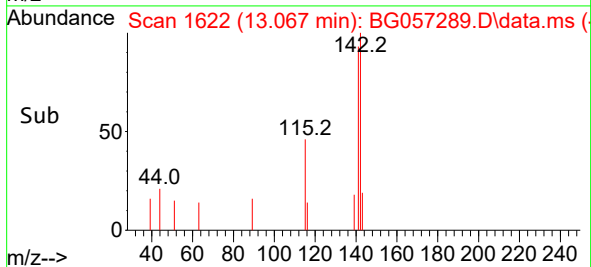
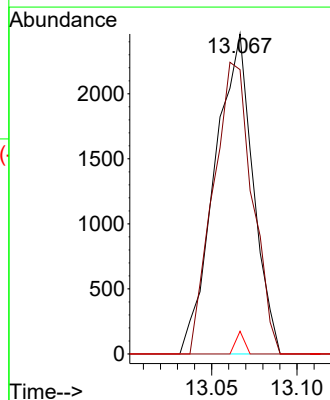
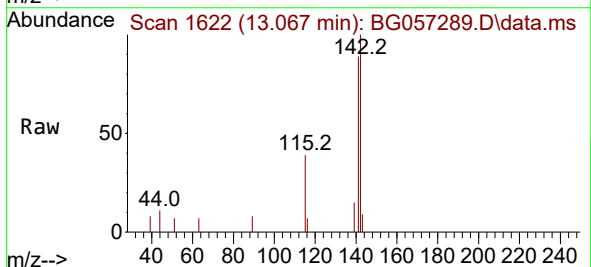
Instrument :
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ClientSampleId :
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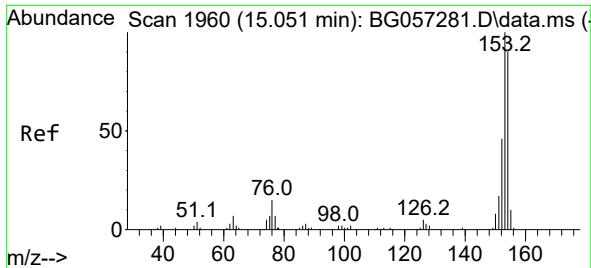
Tgt Ion:142 Resp: 4697
Ion Ratio Lower Upper
142 100
141 85.1 68.7 103.1



#37
1-Methylnaphthalene
Concen: 1.641 ng/ul
RT: 13.067 min Scan# 1622
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:142 Resp: 3833
Ion Ratio Lower Upper
142 100
141 88.9 72.9 109.3
116 7.1 3.2 4.8#

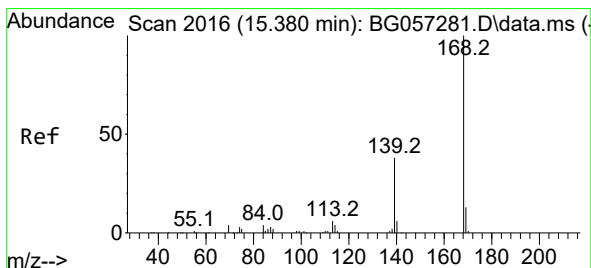
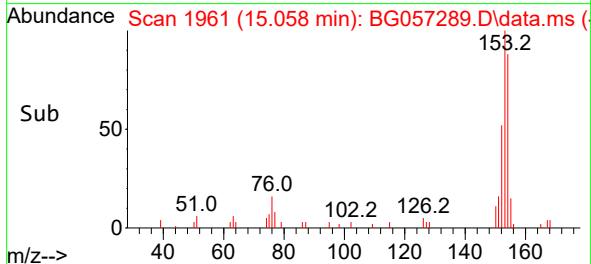
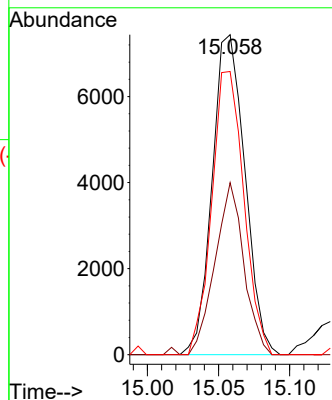
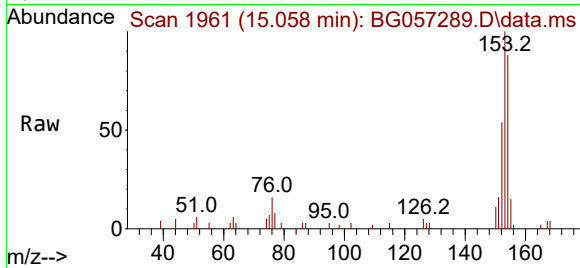




#52
Acenaphthene
Concen: 3.988 ng/ul
RT: 15.058 min Scan# 1960
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

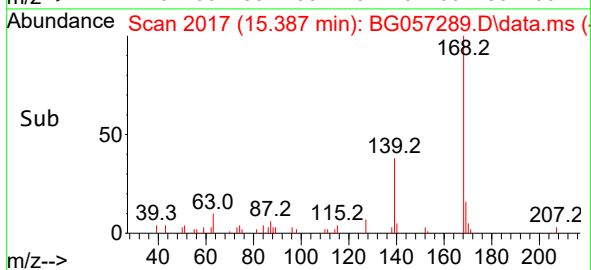
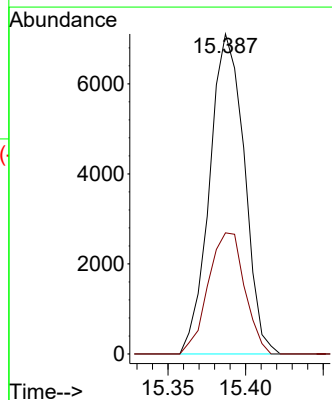
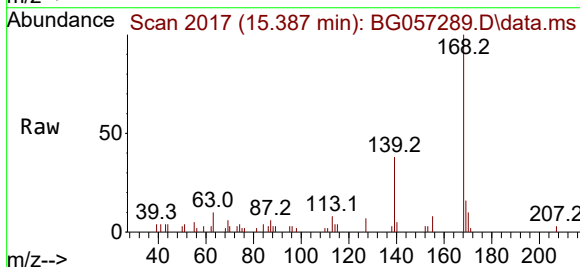
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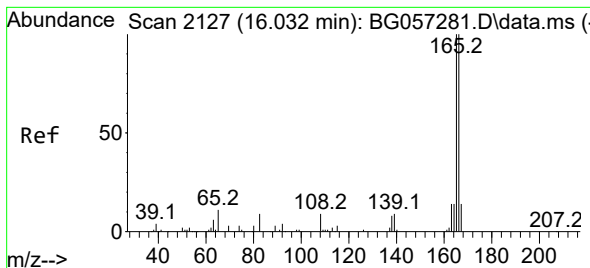
Tgt Ion:153 Resp: 11912
Ion Ratio Lower Upper
153 100
152 53.7 36.5 54.7
154 88.5 70.6 106.0



#56
Dibenzofuran
Concen: 2.558 ng/ul
RT: 15.387 min Scan# 2017
Delta R.T. -0.002 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:168 Resp: 11032
Ion Ratio Lower Upper
168 100
139 37.8 29.6 44.4





#61

Fluorene

Concen: 3.908 ng/ul

RT: 16.033 min Scan# 2127

Delta R.T. -0.002 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

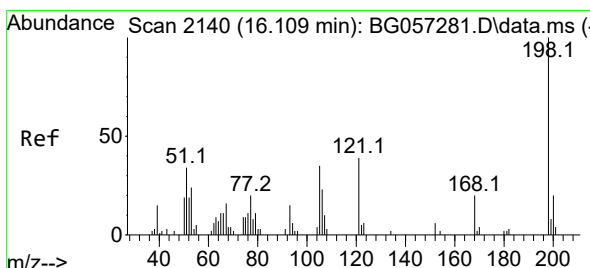
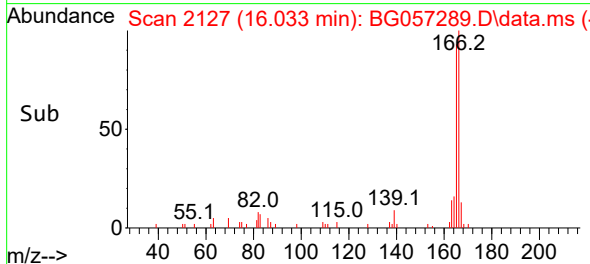
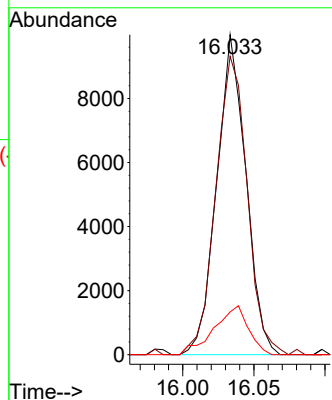
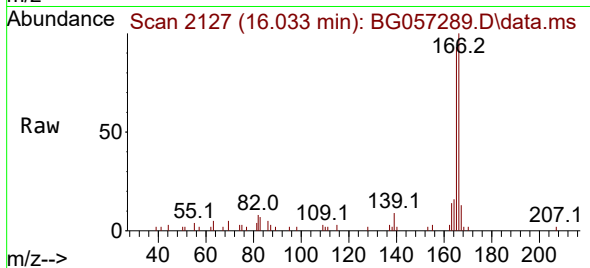
Tgt Ion:166 Resp: 14252

Ion Ratio Lower Upper

166 100

165 93.2 80.1 120.1

167 13.4 10.2 15.4



#66

4,6-Dinitro-2-methylphenol

Concen: 1.154 ng/ul

RT: 16.010 min Scan# 2123

Delta R.T. -0.102 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

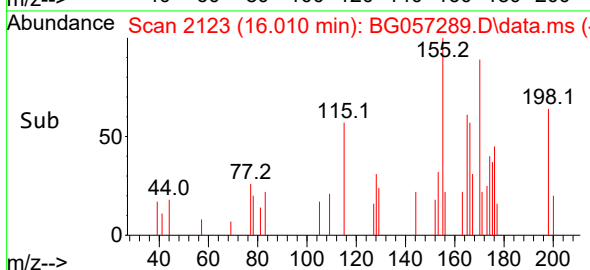
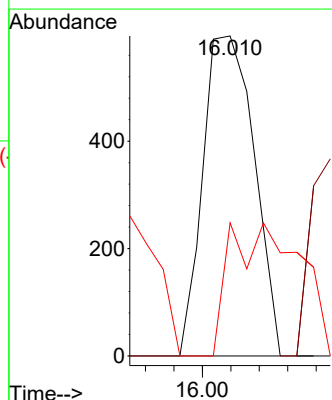
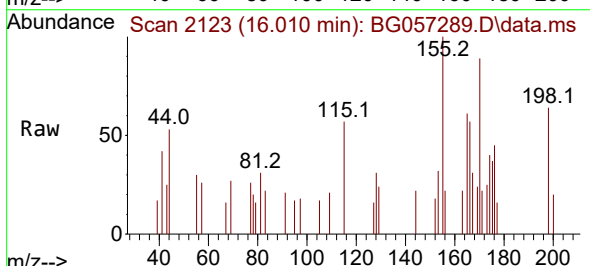
Tgt Ion:198 Resp: 747

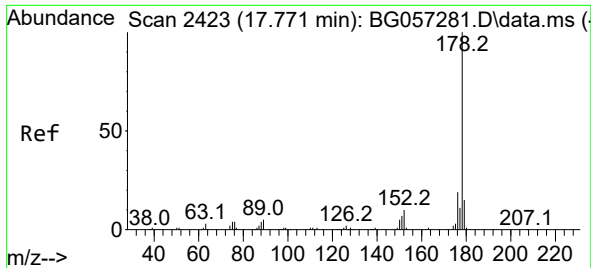
Ion Ratio Lower Upper

198 100

182 0.0 3.0 4.6#

77 41.6 20.1 30.1#

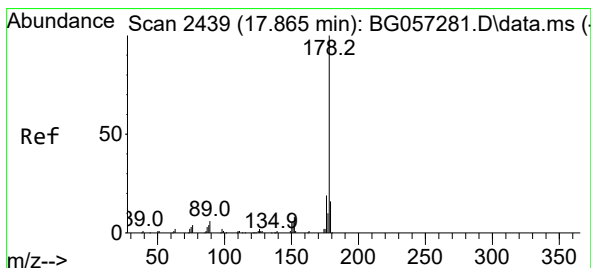
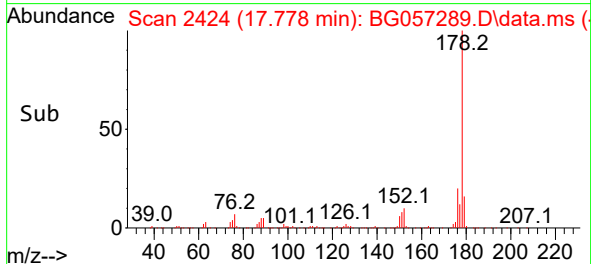
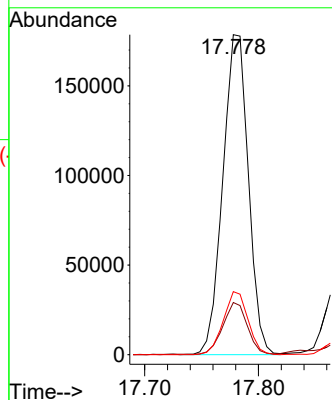
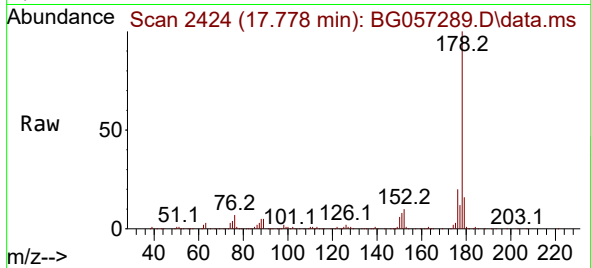




#72
Phenanthrene
Concen: 50.011 ng/ul
RT: 17.778 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

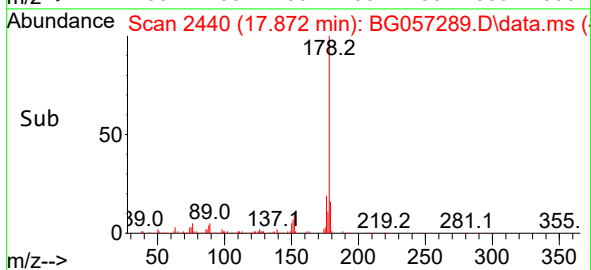
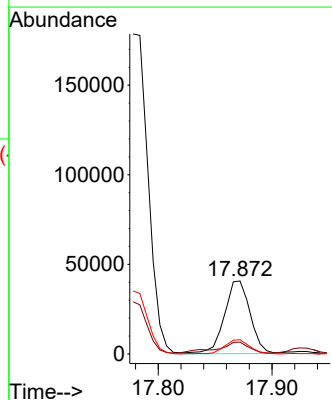
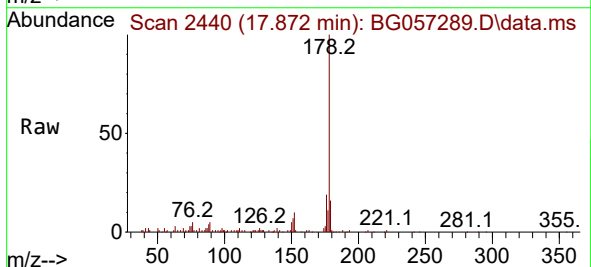
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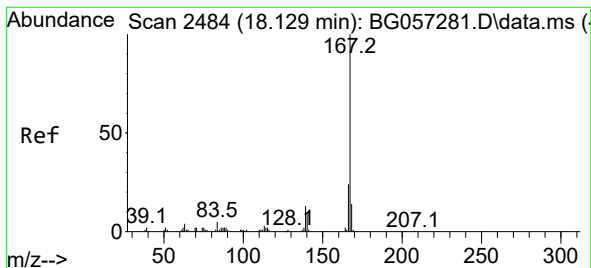
Tgt Ion:178 Resp: 279135
Ion Ratio Lower Upper
178 100
179 16.3 11.8 17.8
176 19.7 15.4 23.0



#74
Anthracene
Concen: 11.375 ng/ul
RT: 17.872 min Scan# 2440
Delta R.T. 0.004 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:178 Resp: 63773
Ion Ratio Lower Upper
178 100
179 16.2 12.5 18.7
176 19.5 14.7 22.1





#77

Carbazole

Concen: 5.916 ng/ul

RT: 18.136 min Scan# 2484

Delta R.T. 0.004 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

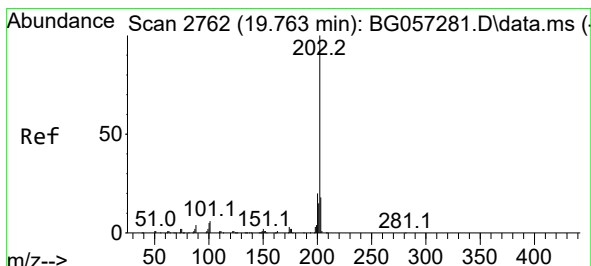
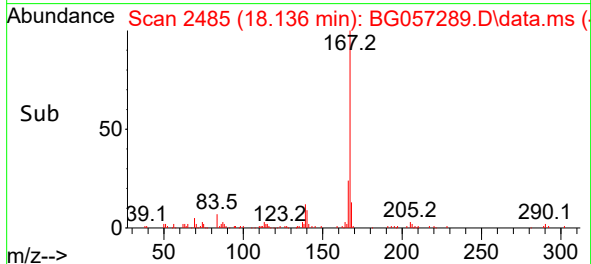
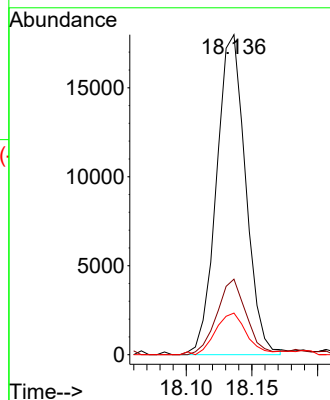
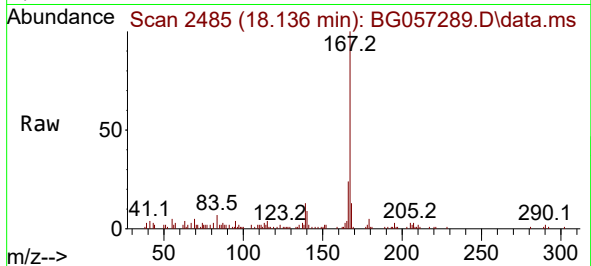
Tgt Ion:167 Resp: 27721

Ion Ratio Lower Upper

167 100

166 23.6 18.0 27.0

139 13.0 10.3 15.5



#80

Fluoranthene

Concen: 83.920 ng/ul

RT: 19.769 min Scan# 2763

Delta R.T. 0.004 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

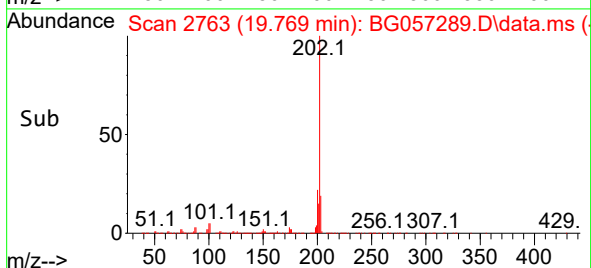
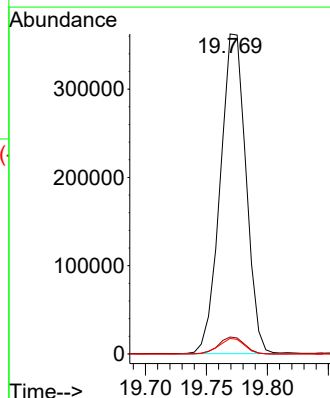
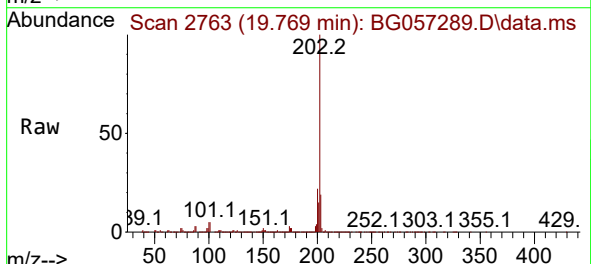
Tgt Ion:202 Resp: 532821

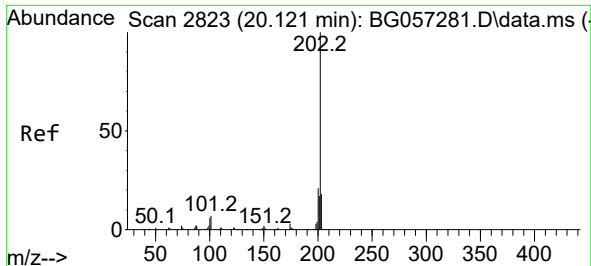
Ion Ratio Lower Upper

202 100

101 5.3 5.8 8.6#

100 4.9 4.6 7.0

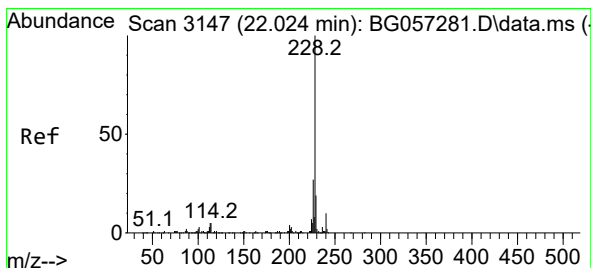
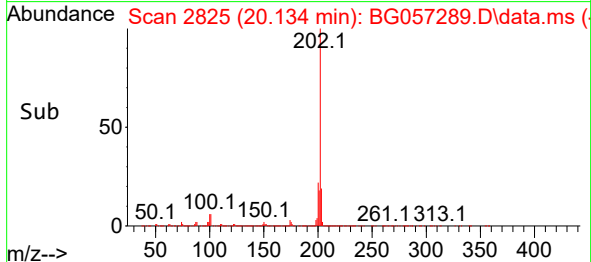
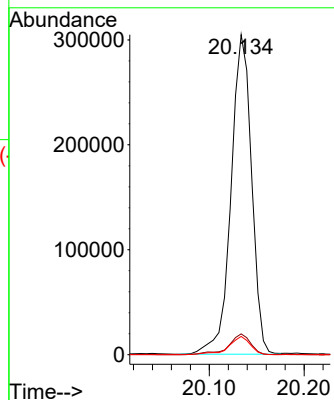
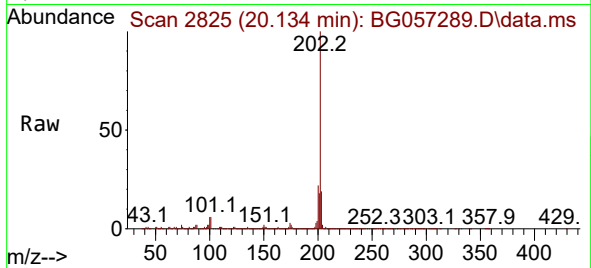




#82
Pyrene
Concen: 71.269 ng/ul
RT: 20.134 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

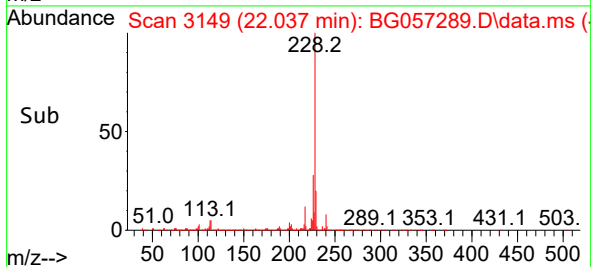
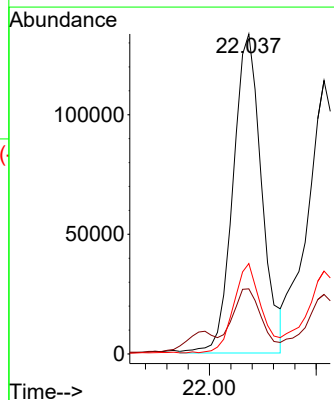
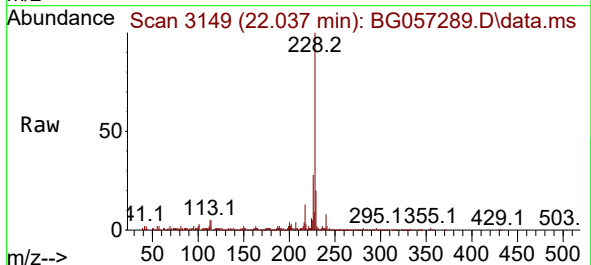
Instrument :
BNA_G
ClientSampleId :
EW919

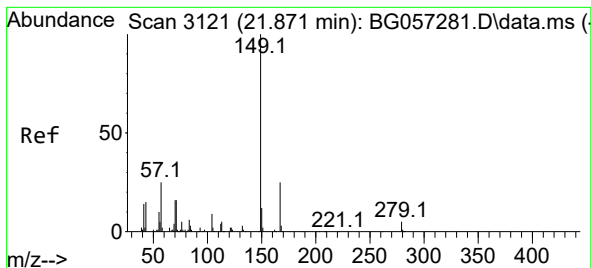
Tgt Ion:202 Resp: 458077
Ion Ratio Lower Upper
202 100
101 6.5 5.7 8.5
100 5.7 6.0 9.0#



#85
Benzo(a)anthracene
Concen: 39.017 ng/ul
RT: 22.037 min Scan# 3149
Delta R.T. 0.009 min
Lab File: BG057289.D
Acq: 3 May 2023 16:35

Tgt Ion:228 Resp: 248483
Ion Ratio Lower Upper
228 100
229 20.3 15.8 23.6
226 28.3 21.7 32.5





#86

Bis(2-ethylhexyl)phthalate

Concen: 1.234 ng/ul

RT: 21.872 min Scan# 3121

Delta R.T. -0.002 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

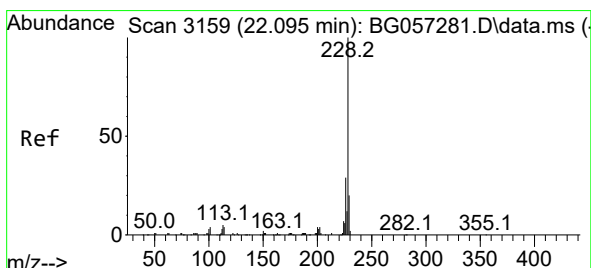
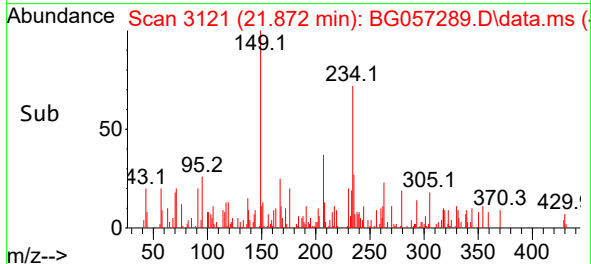
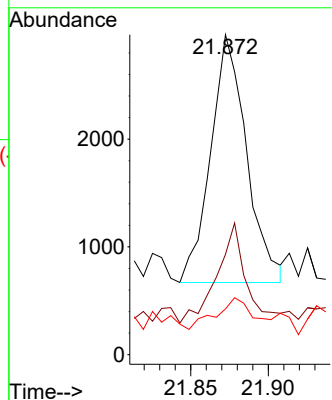
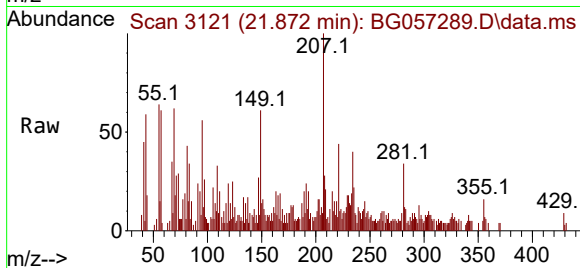
Tgt Ion:149 Resp: 3695

Ion Ratio Lower Upper

149 100

167 31.4 23.0 34.6

279 14.3 3.6 5.4#



#87

Chrysene

Concen: 37.700 ng/ul

RT: 22.107 min Scan# 3161

Delta R.T. 0.009 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

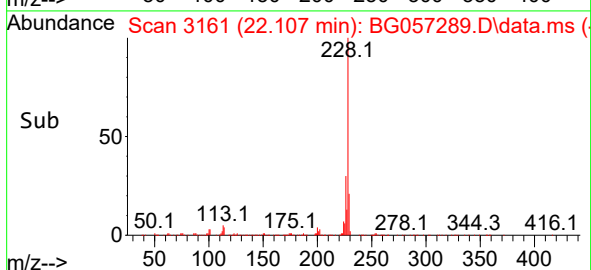
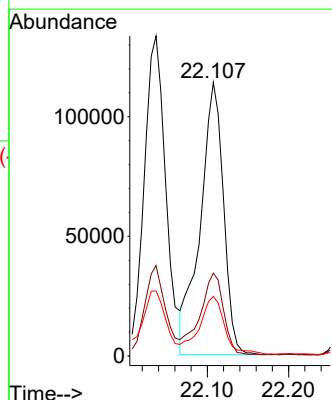
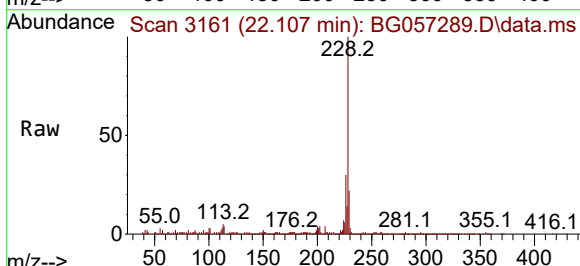
Tgt Ion:228 Resp: 226521

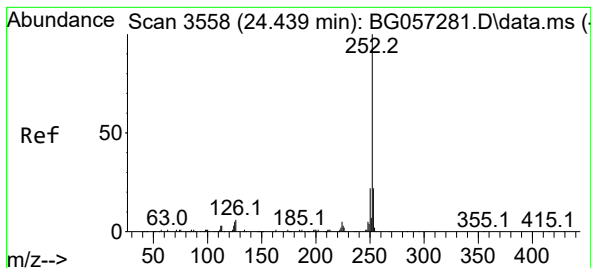
Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

229 21.8 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 49.153 ng/ul

RT: 24.463 min Scan# 3562

Delta R.T. 0.027 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

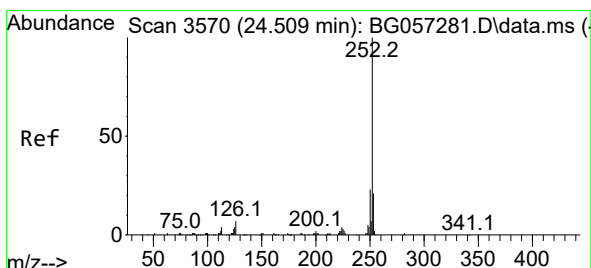
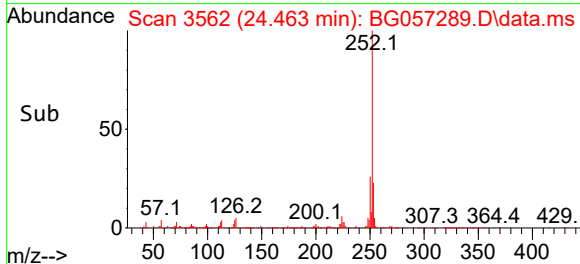
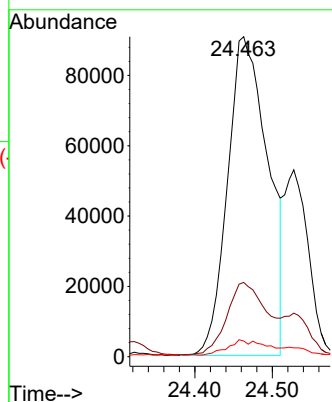
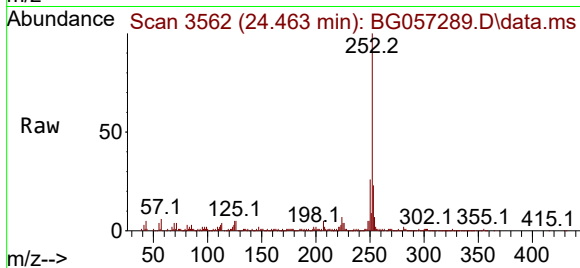
Tgt Ion:252 Resp: 327644

Ion Ratio Lower Upper

252 100

253 23.2 16.7 25.1

125 4.9 4.8 7.2



#91

Benzo(k)fluoranthene

Concen: 50.523 ng/ul

RT: 24.463 min Scan# 3562

Delta R.T. -0.049 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

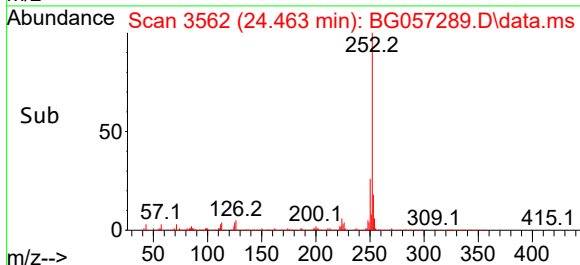
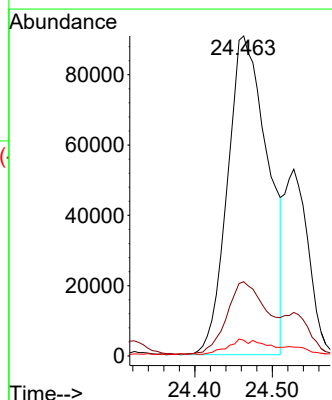
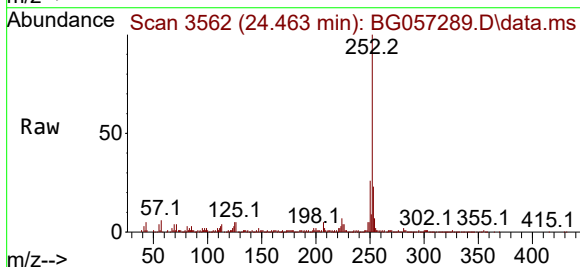
Tgt Ion:252 Resp: 327644

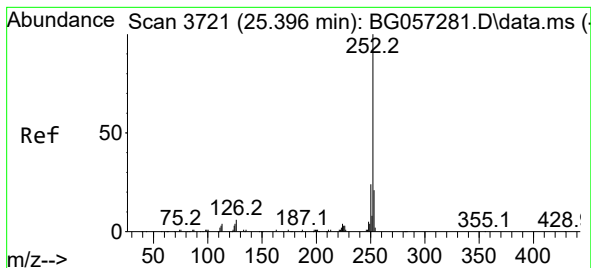
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 4.9 4.5 6.7





#93

Benzo(a)pyrene

Concen: 27.166 ng/ul

RT: 25.262 min Scan# 3

Delta R.T. -0.137 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

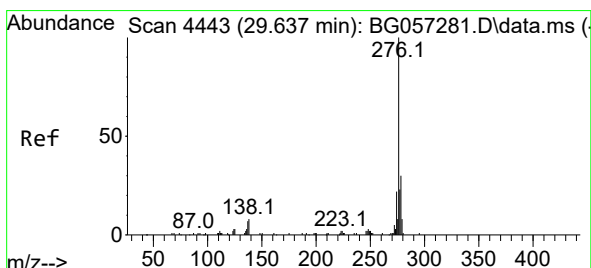
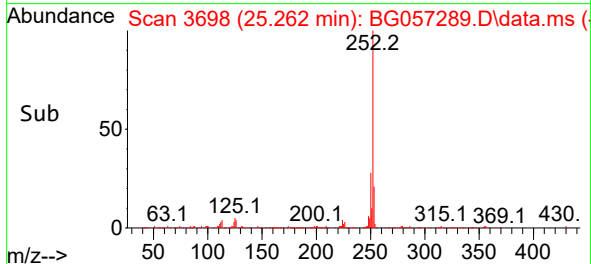
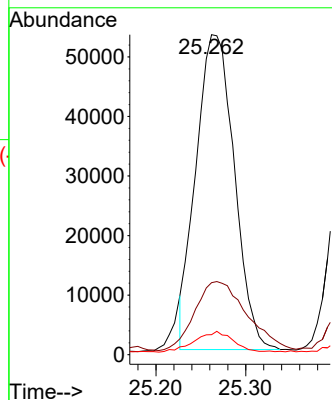
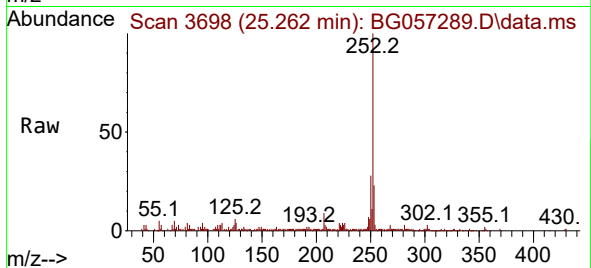
Tgt Ion:252 Resp: 156337

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 6.3 5.1 7.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 21.795 ng/ul

RT: 29.685 min Scan# 4451

Delta R.T. 0.062 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

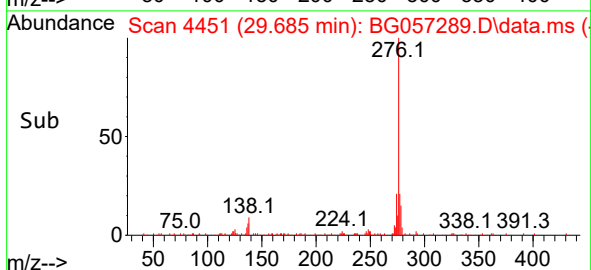
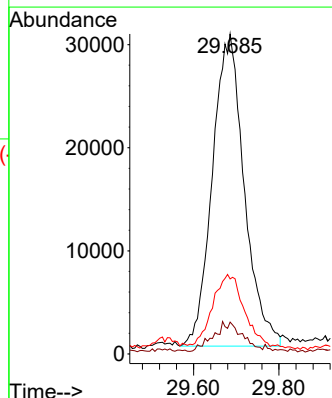
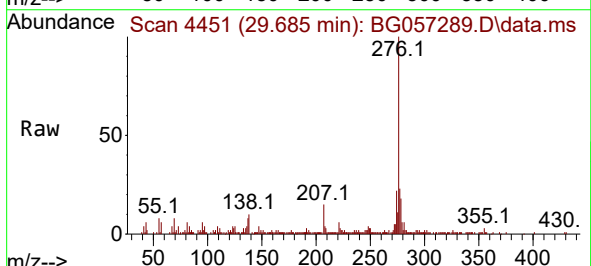
Tgt Ion:276 Resp: 156785

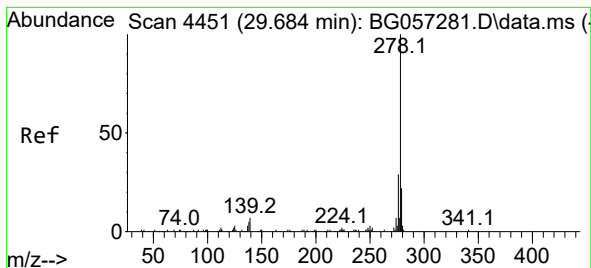
Ion Ratio Lower Upper

276 100

138 9.9 9.4 14.2

277 23.4 18.6 28.0





#95

Dibenzo(a,h)anthracene

Concen: 3.742 ng/ul

RT: 29.709 min Scan# 4455

Delta R.T. 0.015 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Instrument :

BNA_G

ClientSampleId :

EW919

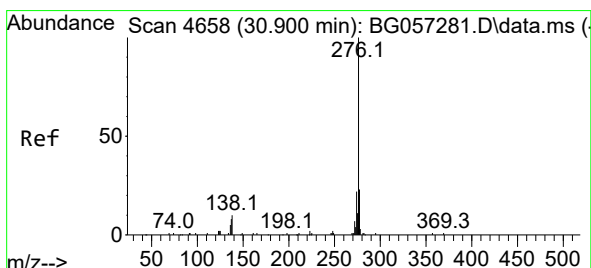
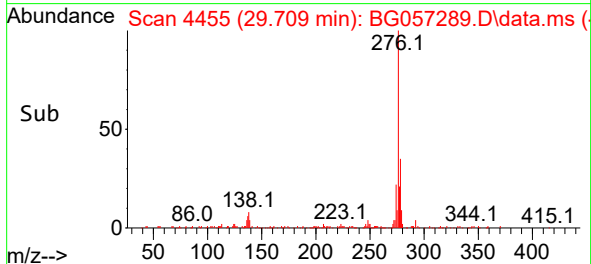
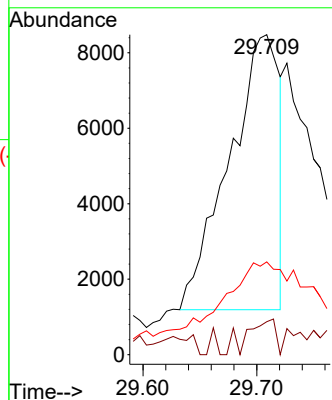
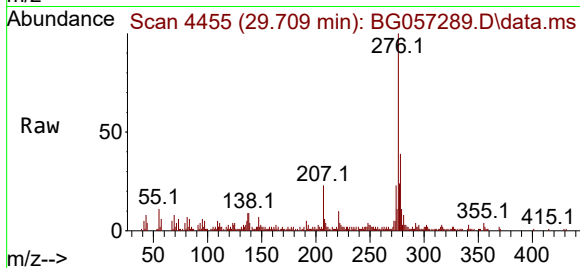
Tgt Ion:278 Resp: 22324

Ion Ratio Lower Upper

278 100

139 10.3 5.8 8.6#

279 29.0 18.3 27.5#



#96

Benzo(g,h,i)perylene

Concen: 23.803 ng/ul

RT: 30.966 min Scan# 4669

Delta R.T. 0.056 min

Lab File: BG057289.D

Acq: 3 May 2023 16:35

Tgt Ion:276 Resp: 138582

Ion Ratio Lower Upper

276 100

138 9.4 8.7 13.1

277 24.7 18.4 27.6

