

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057288.D
 Acq On : 3 May 2023 15:54
 Operator : CG/JU
 Sample : 02419-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW918

Quant Time: May 04 01:16:28 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	8.378	152	15773	20.000	ng/ul	0.00
20) Naphthalene-d8	11.216	136	63593	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.993	164	47092	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.736	188	101597	20.000	ng/ul	0.00
79) Chrysene-d12	22.060	240	82180	20.000	ng/ul	0.00
88) Perylene-d12	25.590	264	89337	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	446	1.244	ng/uL	0.00
4) Pyridine-d5	4.084	84	69	0.061	ng/ul	-0.01
7) Phenol-d5	7.521	99	23163	15.528	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	12488	14.234	ng/ul	0.00
11) 2-Chlorophenol-d4	7.908	132	16693	16.982	ng/ul	0.00
15) 4-Methylphenol-d8	9.083	113	17421	15.366	ng/ul	0.00
21) Nitrobenzene-d5	9.553	128	8279	16.348	ng/ul	0.00
24) 2-Nitrophenol-d4	10.287	143	9577	16.204	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.834	165	20262	17.770	ng/ul	0.00
31) 4-Chloroaniline-d4	11.351	131	10738	7.105	ng/ul	0.00
46) Dimethylphthalate-d6	14.376	166	64354	17.246	ng/ul	0.00
49) Acenaphthylene-d8	14.693	160	73165	17.446	ng/ul	0.00
54) 4-Nitrophenol-d4	15.193	143	6412	11.805	ng/ul	0.01
60) Fluorene-d10	15.980	176	57798	16.627	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	3004	4.990	ng/ul	0.00
73) Anthracene-d10	17.836	188	85525	18.442	ng/ul	0.00
81) Pyrene-d10	20.104	212	92537	18.971	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.349	264	84619	18.592	ng/ul	0.03
Target Compounds						
					Qvalue	
16) Acetophenone	9.212	105	4901	2.512	ng/ul#	94
30) Naphthalene	11.269	128	5781	1.656	ng/ul#	94
36) 2-Methylnaphthalene	12.849	142	3151	1.231	ng/ul	97
37) 1-Methylnaphthalene	13.060	142	3048	1.184	ng/ul#	93
50) Acenaphthylene	14.729	152	5967	1.400	ng/ul	95
52) Acenaphthene	15.057	153	16792	5.530	ng/ul	98
56) Dibenzofuran	15.386	168	13061	2.979	ng/ul	96
61) Fluorene	16.033	166	20516	5.533	ng/ul	95
72) Phenanthrene	17.783	178	407374	76.998	ng/ul	99
74) Anthracene	17.871	178	86503	16.277	ng/ul	98
77) Carbazole	18.136	167	43312	9.752	ng/ul	98
80) Fluoranthene	19.775	202	834017	143.934	ng/ul#	96
82) Pyrene	20.139	202	720695	122.862	ng/ul#	96
83) Butylbenzylphthalate	20.979	149	2934	1.562	ng/ul#	86
85) Benzo(a)anthracene	22.036	228	422842	72.751	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.878	149	3845	1.407	ng/ul#	95
87) Chrysene	22.113	228	402559	73.412	ng/ul	94
90) Benzo(b)fluoranthene	24.474	252	560868	90.660	ng/ul	96
91) Benzo(k)fluoranthene	24.474	252	560868	93.187	ng/ul	98
93) Benzo(a)pyrene	25.267	252	255837	47.901	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.685	276	252634	37.840	ng/ul#	96
95) Dibenzo(a,h)anthracene	29.702	278	29101	5.257	ng/ul#	89

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QLast Update : Mon May 01 12:45:38 2023
Response via : Initial Calibration

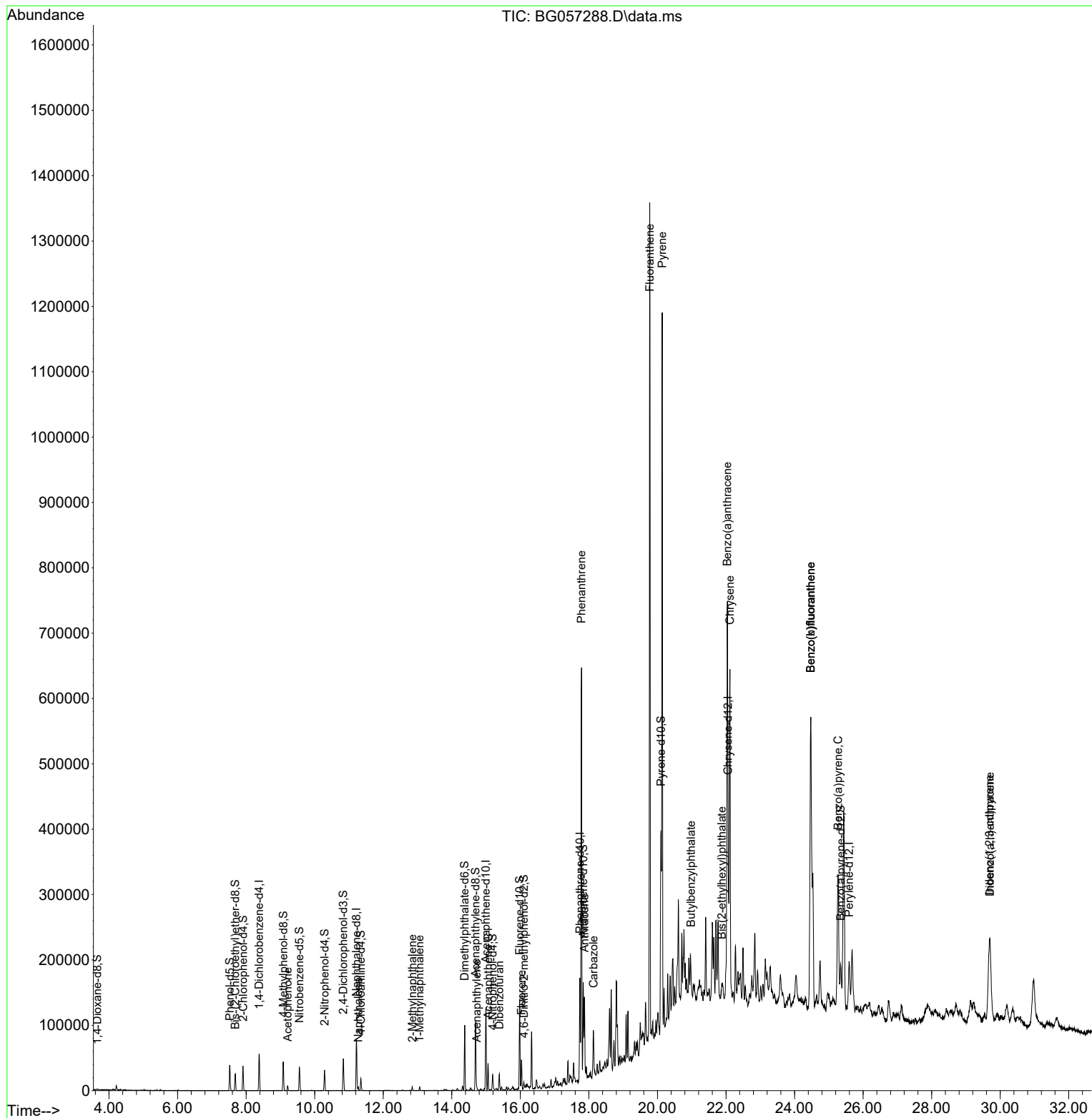
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

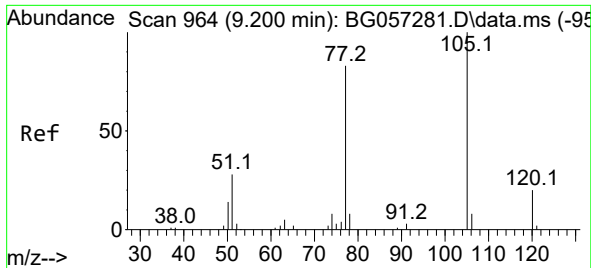
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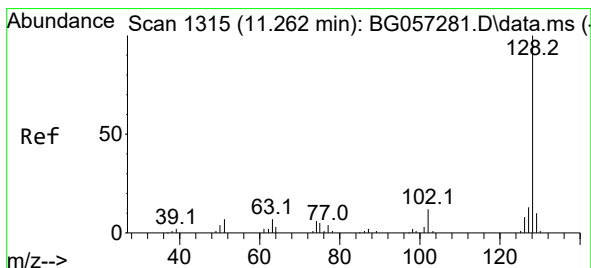
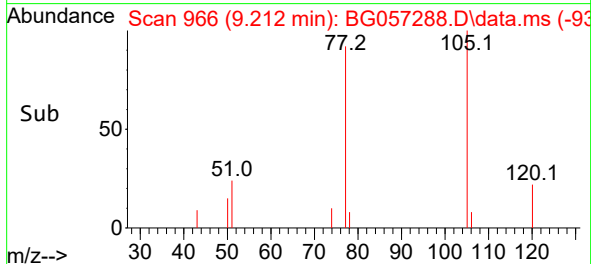
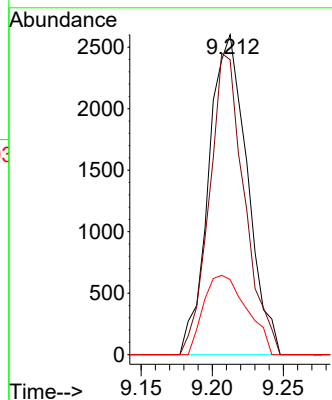
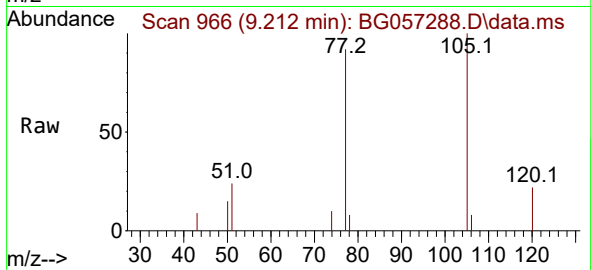




#16
Acetophenone
Concen: 2.512 ng/ul
RT: 9.212 min Scan# 901
Delta R.T. 0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

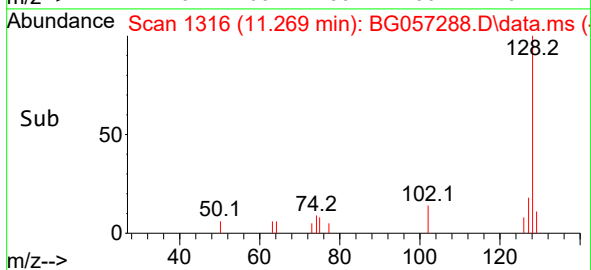
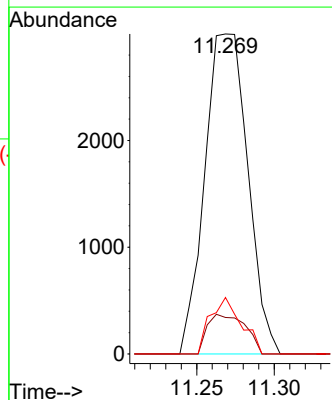
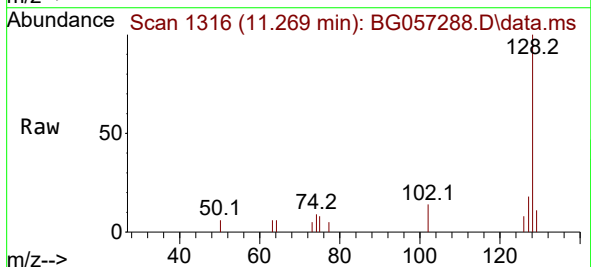
Instrument :
BNA_G
ClientSampleId :
EW918

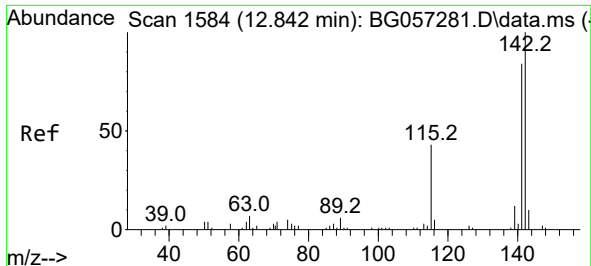
Tgt Ion:105 Resp: 4901
Ion Ratio Lower Upper
105 100
77 92.2 70.6 105.8
51 23.5 24.5 36.7#



#30
Naphthalene
Concen: 1.656 ng/ul
RT: 11.269 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:128 Resp: 5781
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 17.6 11.4 17.0#

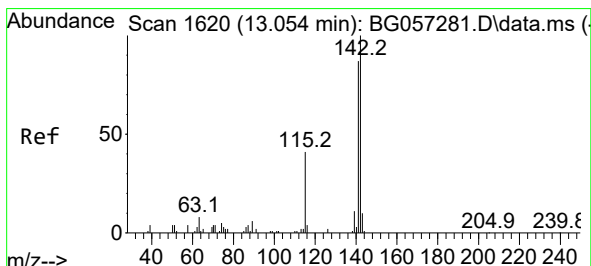
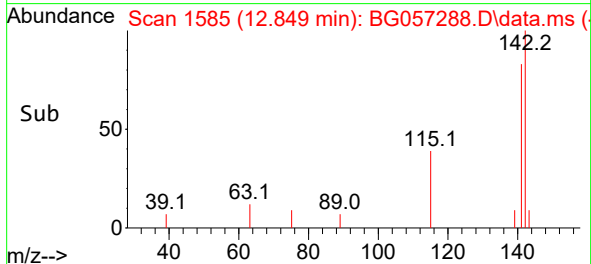
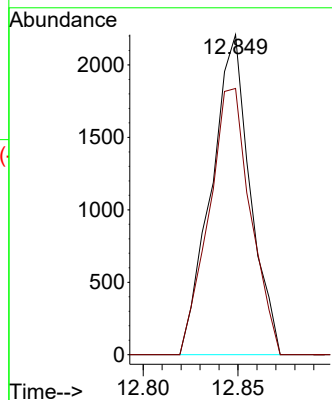
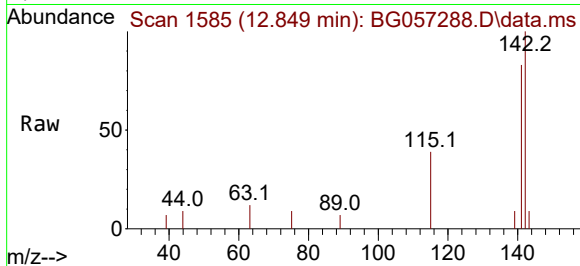




#36
2-Methylnaphthalene
Concen: 1.231 ng/ul
RT: 12.849 min Scan# 1585
Delta R.T. 0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

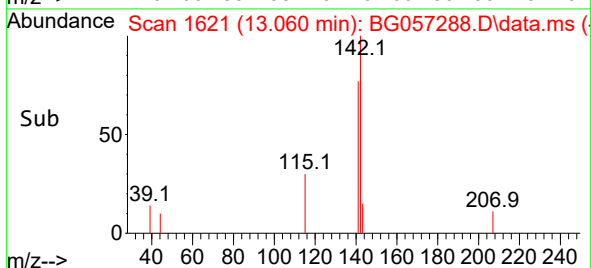
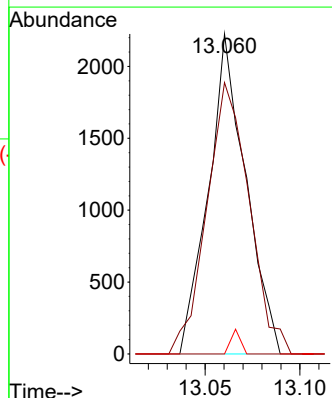
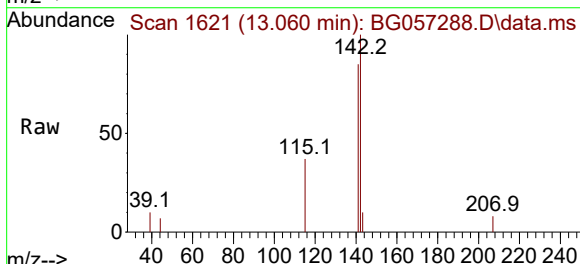
Instrument :
BNA_G
ClientSampleId :
EW918

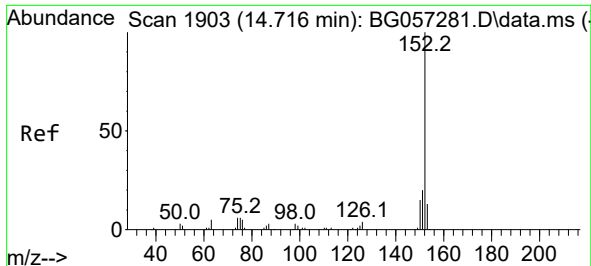
Tgt Ion:142 Resp: 3151
Ion Ratio Lower Upper
142 100
141 83.2 68.7 103.1



#37
1-Methylnaphthalene
Concen: 1.184 ng/ul
RT: 13.060 min Scan# 1621
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:142 Resp: 3048
Ion Ratio Lower Upper
142 100
141 84.8 72.9 109.3
116 0.0 3.2 4.8#

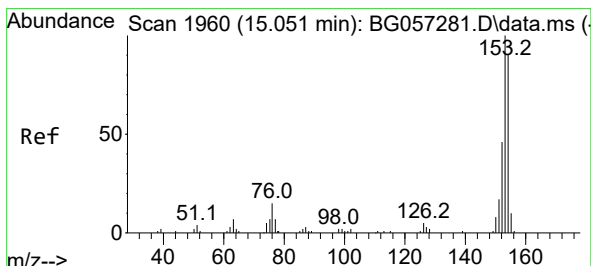
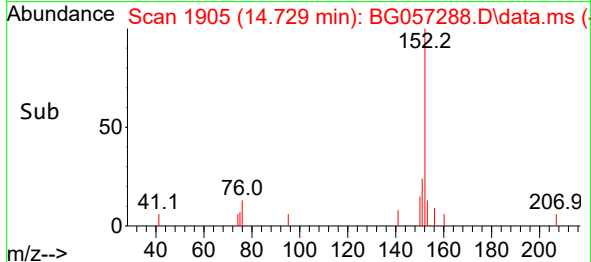
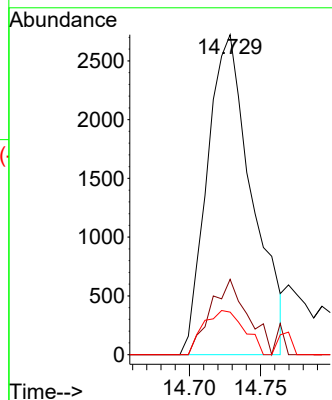
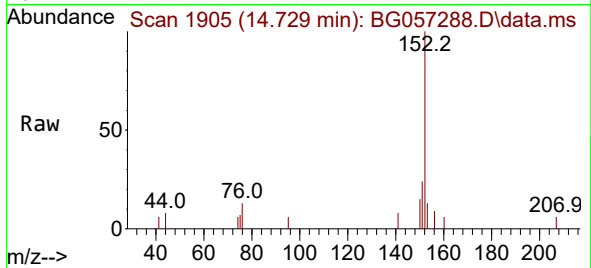




#50
Acenaphthylene
Concen: 1.400 ng/u1
RT: 14.729 min Scan# 1905
Delta R.T. 0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

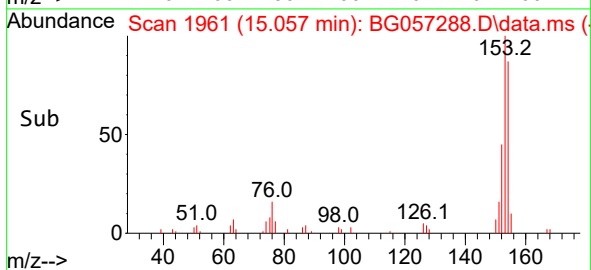
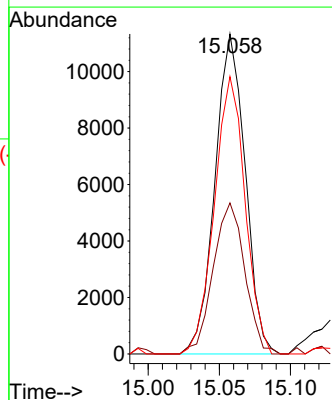
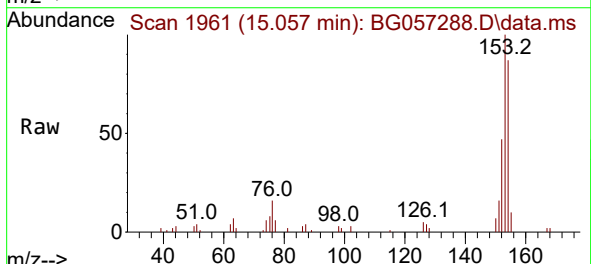
Instrument :
BNA_G
ClientSampleId :
EW918

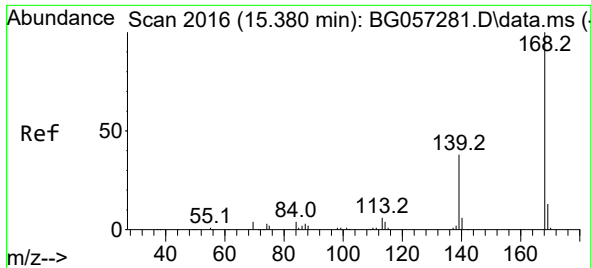
Tgt Ion:152 Resp: 5967
Ion Ratio Lower Upper
152 100
151 23.5 16.3 24.5
153 13.3 10.1 15.1



#52
Acenaphthene
Concen: 5.530 ng/u1
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:153 Resp: 16792
Ion Ratio Lower Upper
153 100
152 47.2 36.5 54.7
154 86.7 70.6 106.0

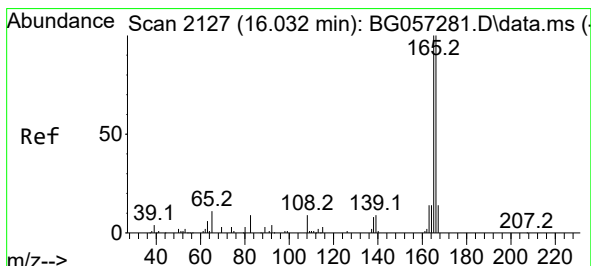
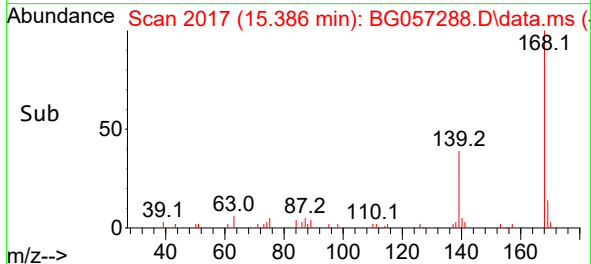
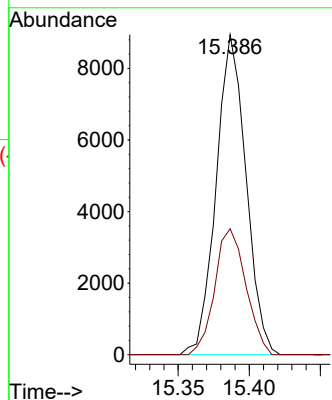
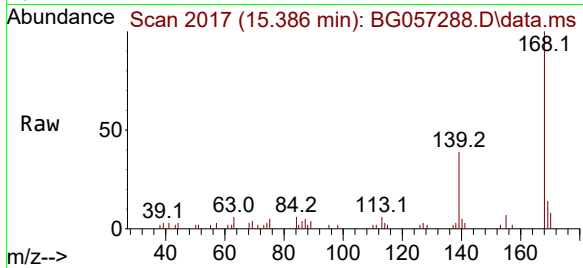




#56
Dibenzenofuran
Concen: 2.979 ng/ul
RT: 15.386 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

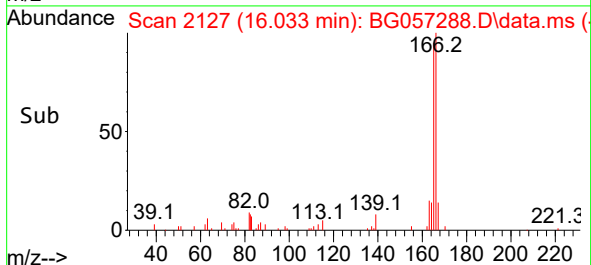
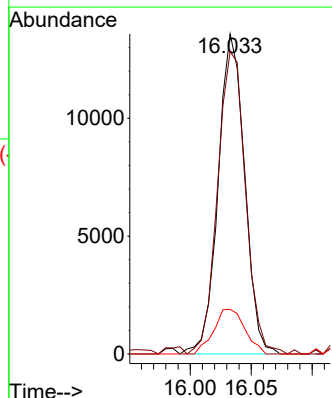
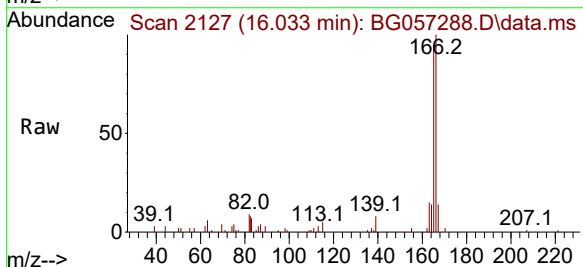
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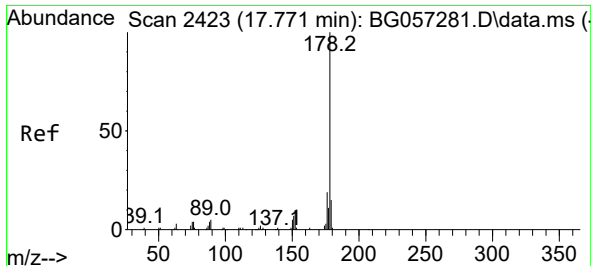
Tgt Ion:168 Resp: 13061
Ion Ratio Lower Upper
168 100
139 39.4 29.6 44.4



#61
Fluorene
Concen: 5.533 ng/ul
RT: 16.033 min Scan# 2127
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:166 Resp: 20516
Ion Ratio Lower Upper
166 100
165 94.5 80.1 120.1
167 13.9 10.2 15.4

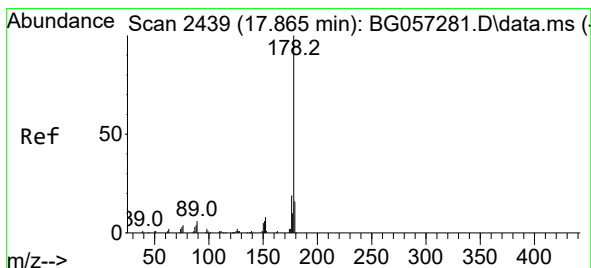
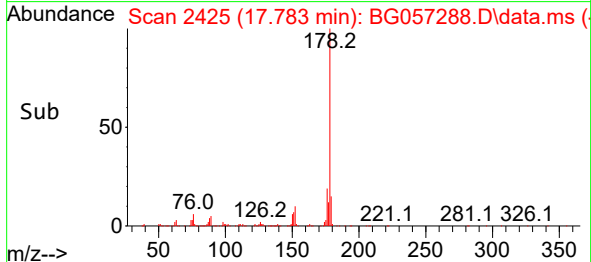
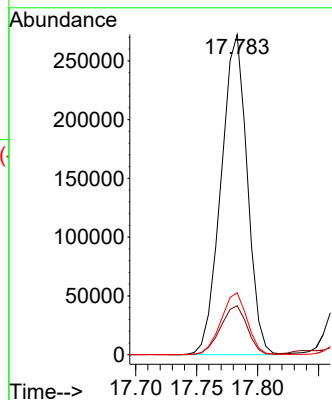
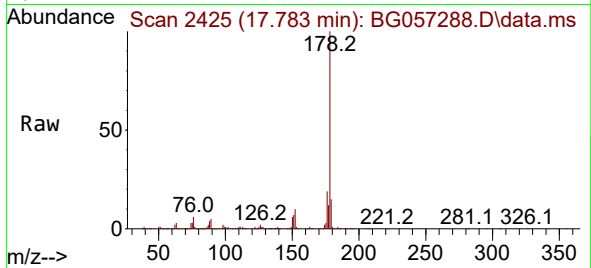




#72
Phenanthrene
Concen: 76.998 ng/ul
RT: 17.783 min Scan# 2425
Delta R.T. 0.009 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

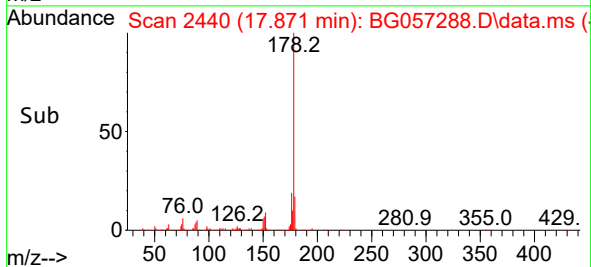
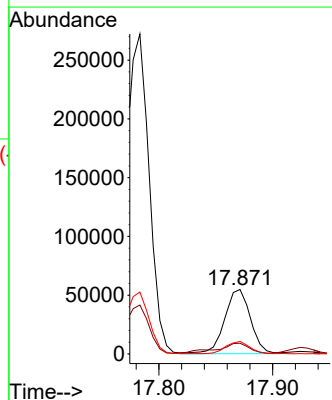
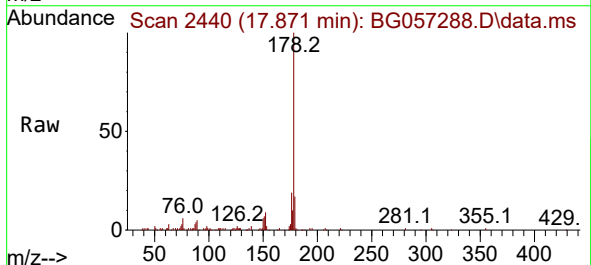
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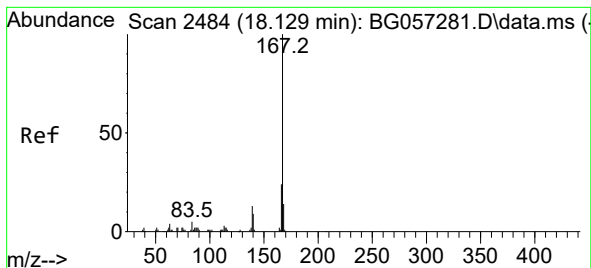
Tgt Ion:178 Resp: 407374
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.8
176 19.4 15.4 23.0



#74
Anthracene
Concen: 16.277 ng/ul
RT: 17.871 min Scan# 2440
Delta R.T. 0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:178 Resp: 86503
Ion Ratio Lower Upper
178 100
179 16.6 12.5 18.7
176 19.3 14.7 22.1





#77

Carbazole

Concen: 9.752 ng/ul

RT: 18.136 min Scan# 24

Delta R.T. 0.003 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

Instrument :

BNA_G

ClientSampleId :

EW918

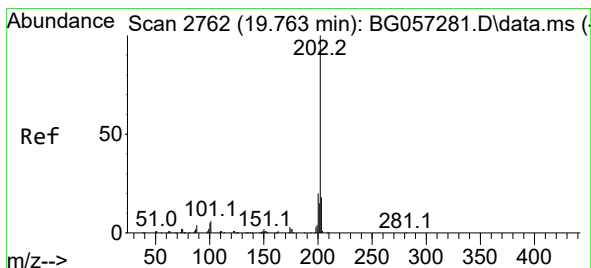
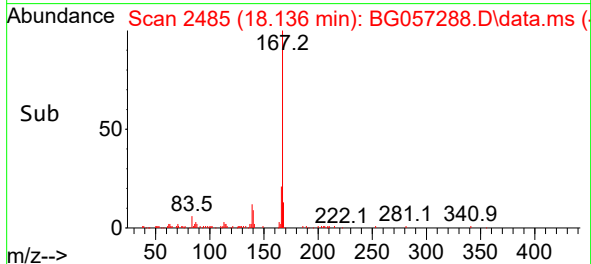
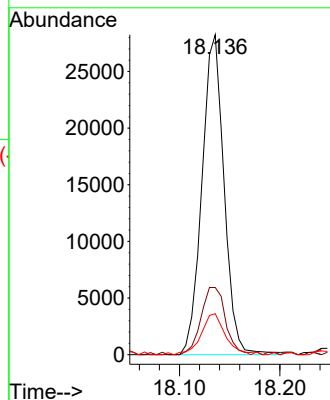
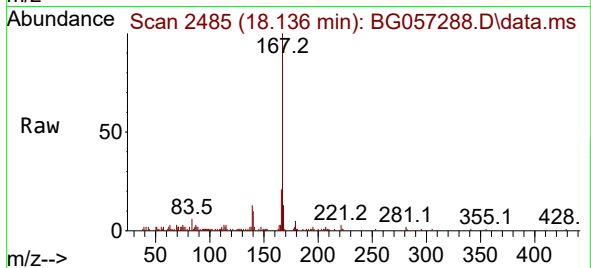
Tgt Ion:167 Resp: 43312

Ion Ratio Lower Upper

167 100

166 21.0 18.0 27.0

139 12.8 10.3 15.5



#80

Fluoranthene

Concen: 143.934 ng/ul

RT: 19.775 min Scan# 2764

Delta R.T. 0.009 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

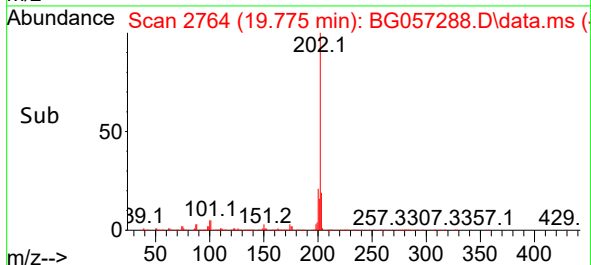
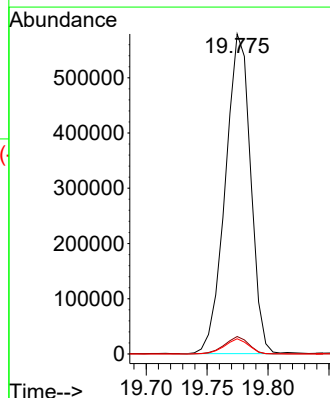
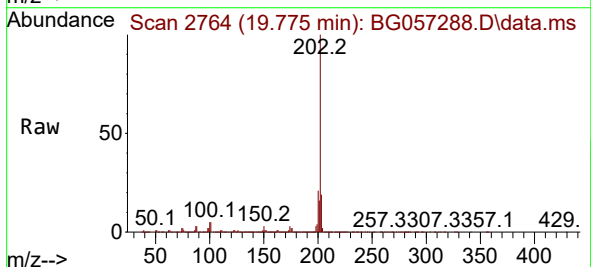
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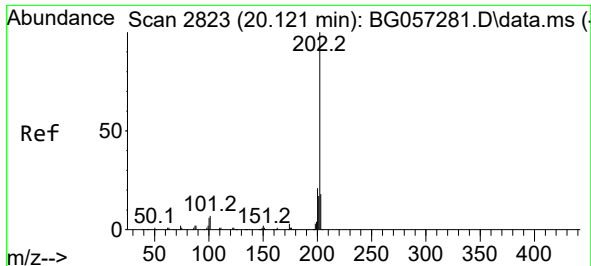
Ion Ratio Lower Upper

202 100

101 5.5 5.8 8.6#

100 4.8 4.6 7.0

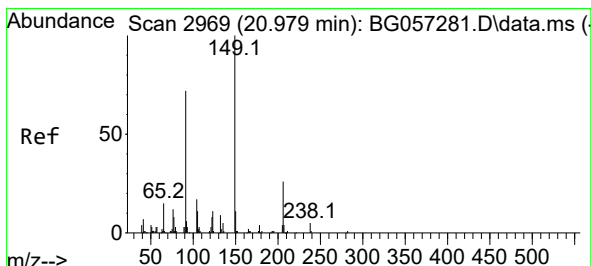
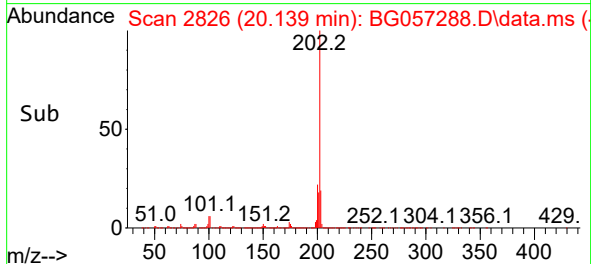
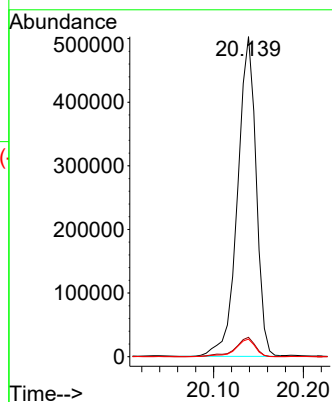
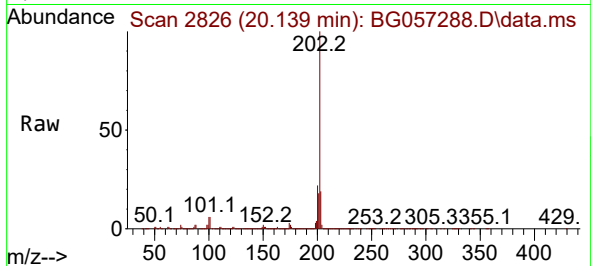




#82
Pyrene
Concen: 122.862 ng/ul
RT: 20.139 min Scan# 21
Delta R.T. 0.015 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

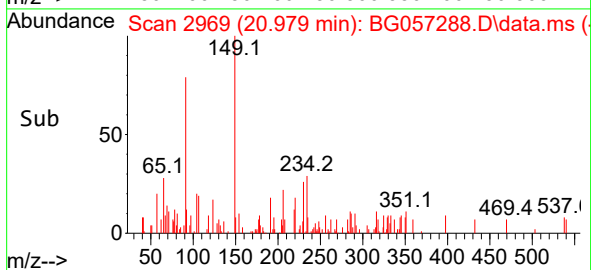
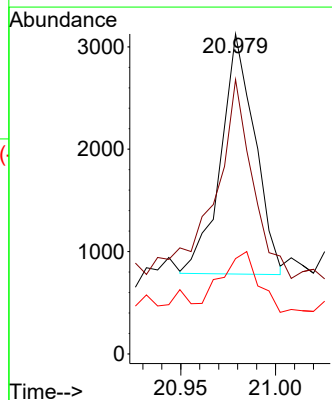
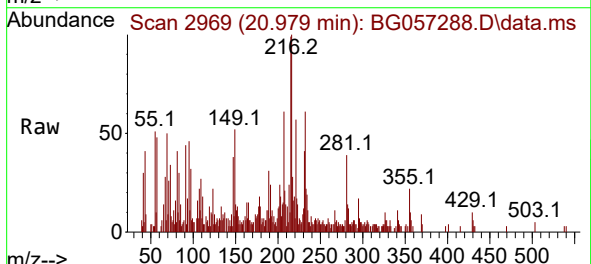
Instrument :
BNA_G
ClientSampleId :
EW918

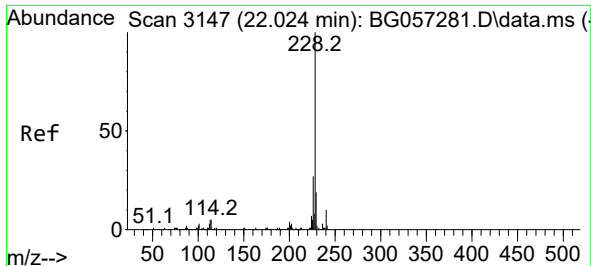
Tgt Ion:202 Resp: 720695
Ion Ratio Lower Upper
202 100
101 6.1 5.7 8.5
100 5.5 6.0 9.0#



#83
Butylbenzylphthalate
Concen: 1.562 ng/ul
RT: 20.979 min Scan# 2969
Delta R.T. -0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:149 Resp: 2934
Ion Ratio Lower Upper
149 100
91 85.8 58.6 87.8
206 29.8 19.8 29.8#

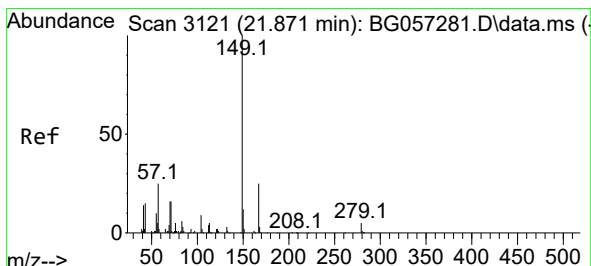
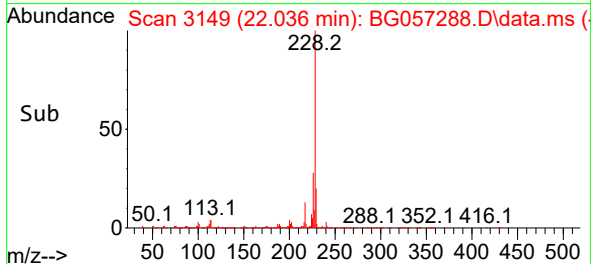
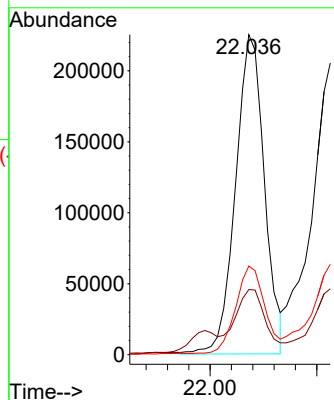
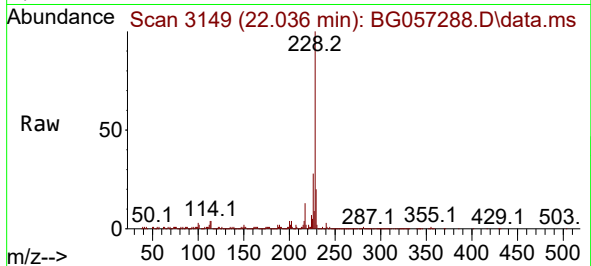




#85
Benzo(a)anthracene
Concen: 72.751 ng/ul
RT: 22.036 min Scan# 3149
Delta R.T. 0.009 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

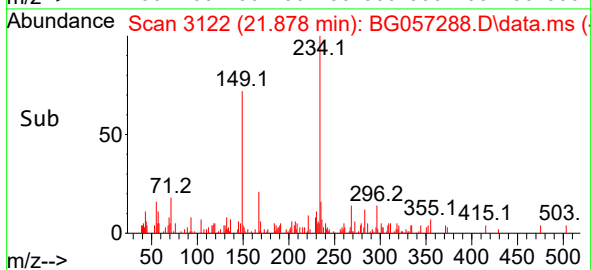
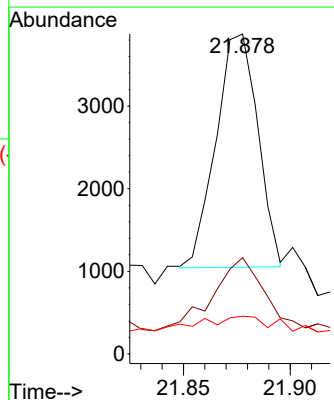
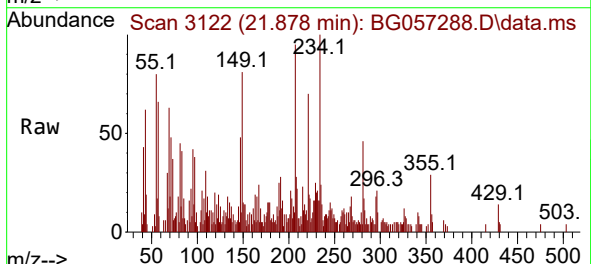
Instrument :
BNA_G
ClientSampleId :
EW918

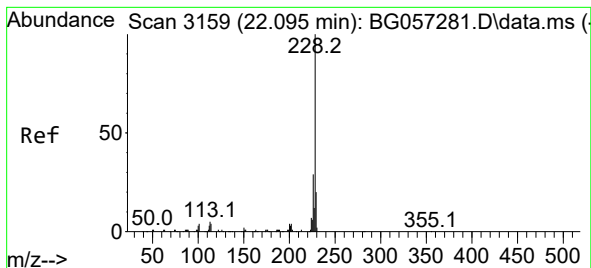
Tgt Ion:228 Resp: 422842
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.6
226 27.7 21.7 32.5



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.407 ng/ul
RT: 21.878 min Scan# 3122
Delta R.T. 0.003 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:149 Resp: 3845
Ion Ratio Lower Upper
149 100
167 30.1 23.0 34.6
279 11.8 3.6 5.4#





#87

Chrysene

Concen: 73.412 ng/ul

RT: 22.113 min Scan# 31

Delta R.T. 0.015 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

Instrument :

BNA_G

ClientSampleId :

EW918

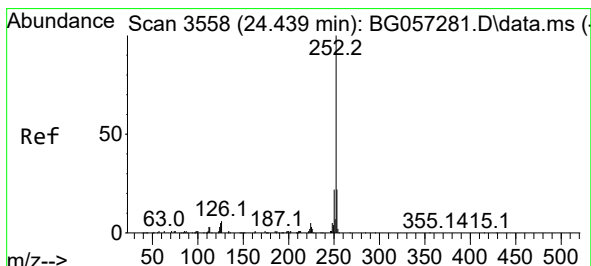
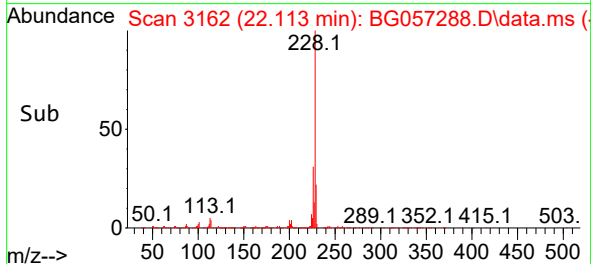
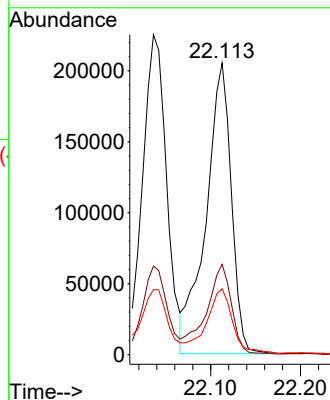
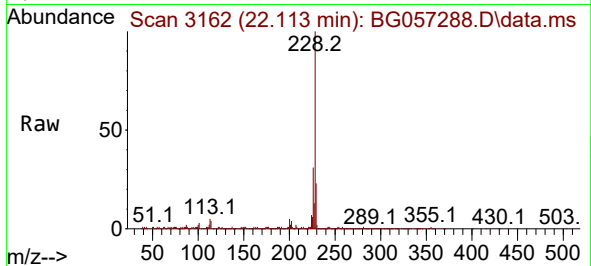
Tgt Ion:228 Resp: 402559

Ion Ratio Lower Upper

228 100

226 31.0 22.8 34.2

229 22.6 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 90.660 ng/ul

RT: 24.474 min Scan# 3564

Delta R.T. 0.038 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

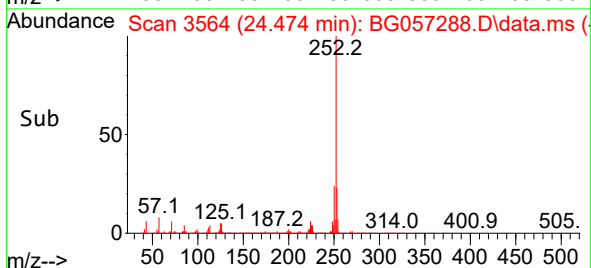
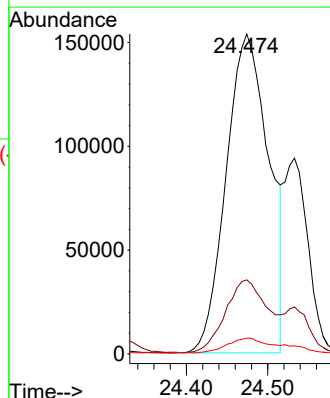
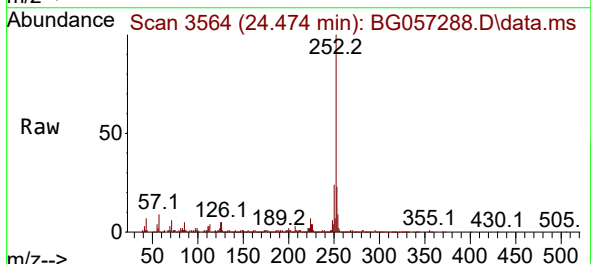
Tgt Ion:252 Resp: 560868

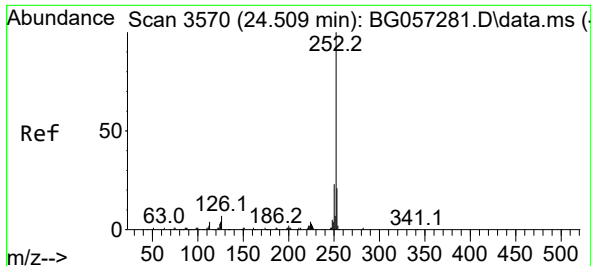
Ion Ratio Lower Upper

252 100

253 23.1 16.7 25.1

125 5.0 4.8 7.2

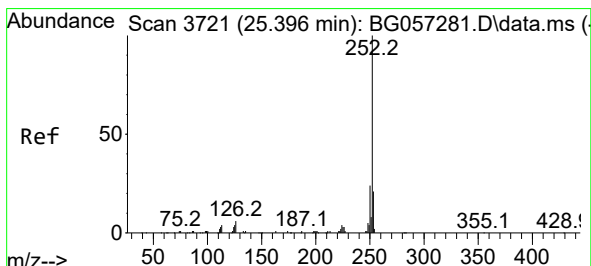
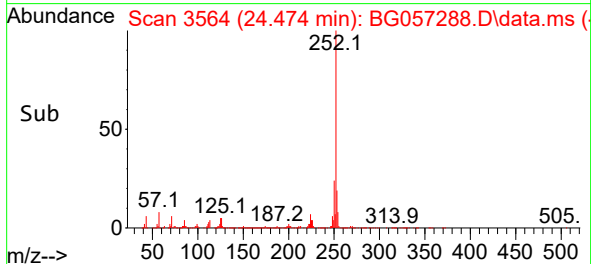
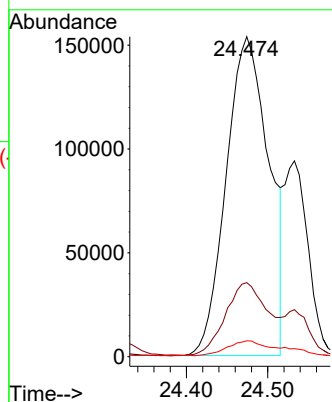
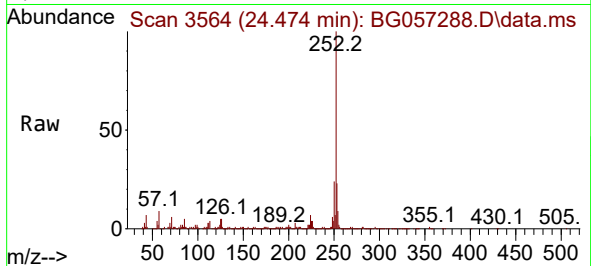




#91
Benzo(k)fluoranthene
Concen: 93.187 ng/ul
RT: 24.474 min Scan# 3564
Delta R.T. -0.038 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

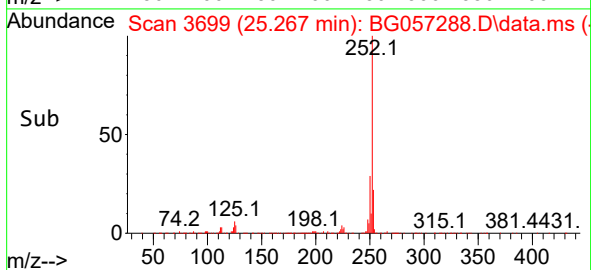
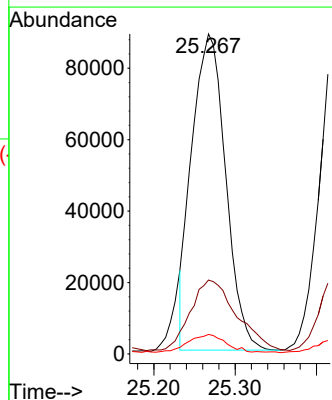
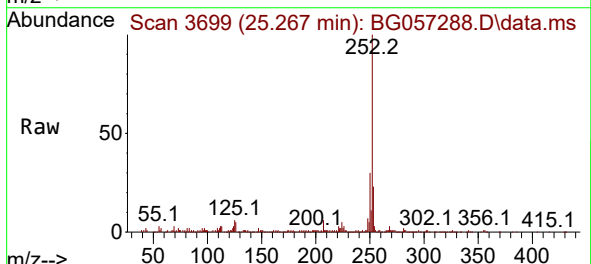
Instrument :
BNA_G
ClientSampleId :
EW918

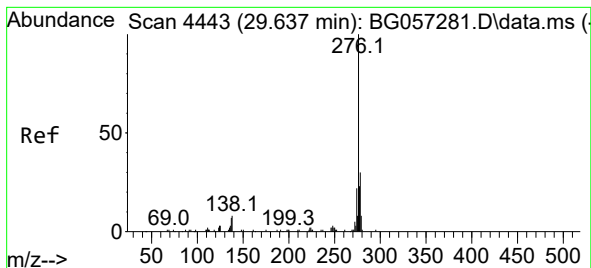
Tgt Ion:252 Resp: 560868
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 5.0 4.5 6.7



#93
Benzo(a)pyrene
Concen: 47.901 ng/ul
RT: 25.267 min Scan# 3699
Delta R.T. -0.132 min
Lab File: BG057288.D
Acq: 3 May 2023 15:54

Tgt Ion:252 Resp: 255837
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 6.1 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 37.840 ng/ul

RT: 29.685 min Scan# 4451

Delta R.T. 0.062 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

Instrument :

BNA_G

ClientSampleId :

EW918

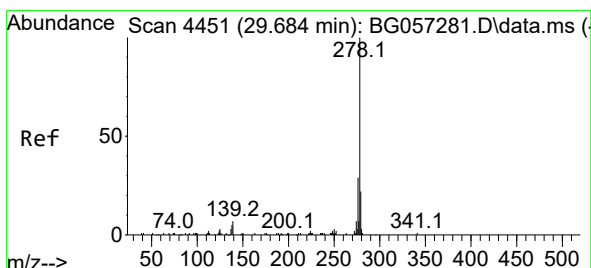
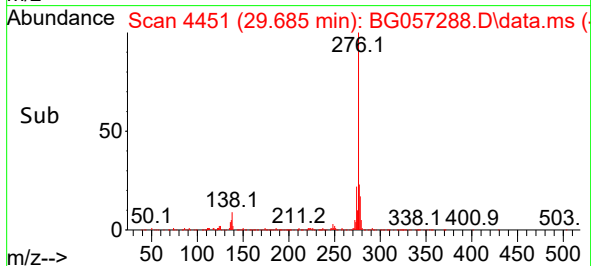
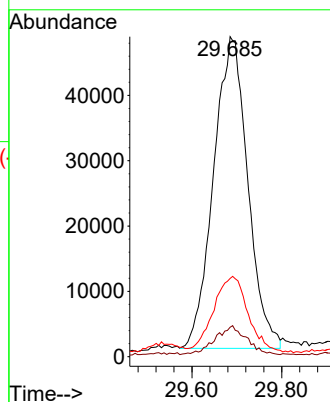
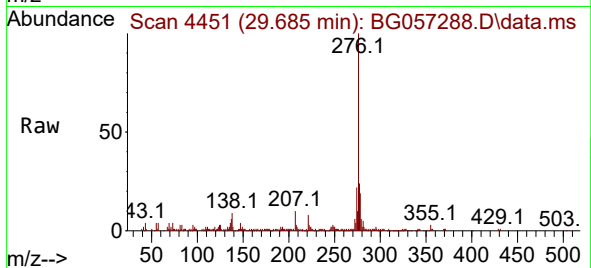
Tgt Ion:276 Resp: 252634

Ion Ratio Lower Upper

276 100

138 9.2 9.4 14.2#

277 24.5 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 5.257 ng/ul

RT: 29.702 min Scan# 4454

Delta R.T. 0.009 min

Lab File: BG057288.D

Acq: 3 May 2023 15:54

Tgt Ion:278 Resp: 29101

Ion Ratio Lower Upper

278 100

139 8.2 5.8 8.6

279 29.5 18.3 27.5#

