

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081922\
 Data File : BG054661.D
 Acq On : 19 Aug 2022 11:20
 Operator : CG/JU
 Sample : PB146668BL
 Misc : MDL-WATER-4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 02:45:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 18 03:22:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	40877	20.000	ng/ul	0.00
20) Naphthalene-d8	10.990	136	171356	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.791	164	111817	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.541	188	250935	20.000	ng/ul	0.00
79) Chrysene-d12	21.836	240	240120	20.000	ng/ul	0.00
88) Perylene-d12	25.214	264	242390	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.510	96	5891	5.701	ng/uL	0.00
4) Pyridine-d5	3.933	84	70606	22.928	ng/ul	0.00
7) Phenol-d5	7.294	99	97945	28.182	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.476	67	65374	29.397	ng/ul	0.00
11) 2-Chlorophenol-d4	7.688	132	72892	29.655	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	76818	29.260	ng/ul	0.00
21) Nitrobenzene-d5	9.333	128	35248	32.771	ng/ul	0.00
24) 2-Nitrophenol-d4	10.056	143	27529	28.587	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	70456	27.909	ng/ul	0.00
31) 4-Chloroaniline-d4	11.113	131	102890	28.390	ng/ul	0.00
46) Dimethylphthalate-d6	14.192	166	249355	32.455	ng/ul	0.00
49) Acenaphthylene-d8	14.492	160	302228	32.854	ng/ul	0.00
54) 4-Nitrophenol-d4	14.956	143	32443	26.720	ng/ul	0.00
60) Fluorene-d10	15.784	176	222431	31.927	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.884	200	20081	23.499	ng/ul	0.00
73) Anthracene-d10	17.635	188	360168	32.999	ng/ul	0.00
81) Pyrene-d10	19.920	212	422006	33.881	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.979	264	403748	33.919	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.569	88	79	0.068	ng/ul#	19
14) 2,2'-oxybis(1-Chloropr...	8.857	45	554	0.120	ng/ul#	72
17) N-Nitroso-di-n-propyla...	8.857	70	1656	0.744	ng/ul#	1
23) Isophorone	10.061	82	2105	0.344	ng/ul#	65
43) 1,1'-Biphenyl	13.628	154	247	0.031	ng/ul#	41
44) 2-Chloronaphthalene	13.669	162	65	0.011	ng/ul#	39
47) Dimethylphthalate	14.227	163	118	0.015	ng/ul#	76
50) Acenaphthylene	14.515	152	230	0.023	ng/ul#	60
52) Acenaphthene	14.856	153	139	0.021	ng/ul#	71
56) Dibenzofuran	15.191	168	295	0.032	ng/ul#	38
59) Diethylphthalate	15.596	149	313	0.041	ng/ul#	58
61) Fluorene	15.778	166	513	0.068	ng/ul#	7
67) N-Nitrosodiphenylamine	16.037	169	231	0.034	ng/ul#	24
72) Phenanthrene	17.588	178	277	0.022	ng/ul#	59
74) Anthracene	17.676	178	423	0.034	ng/ul#	59
77) Carbazole	17.940	167	331	0.030	ng/ul#	59
78) Di-n-butylphthalate	18.487	149	574	0.044	ng/ul#	77
80) Fluoranthene	19.586	202	520	0.033	ng/ul#	75
82) Pyrene	19.944	202	542	0.035	ng/ul#	60
83) Butylbenzylphthalate	20.837	149	220	0.041	ng/ul#	22
85) Benzo(a)anthracene	21.812	228	537	0.036	ng/ul#	51
86) Bis(2-ethylhexyl)phtha...	21.718	149	527	0.066	ng/ul#	53
87) Chrysene	21.889	228	676	0.047	ng/ul#	49
89) Di-n-octyl phthalate	22.982	149	413	0.031	ng/ul	100

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QLast Update : Thu Aug 18 03:22:26 2022
Response via : Initial Calibration

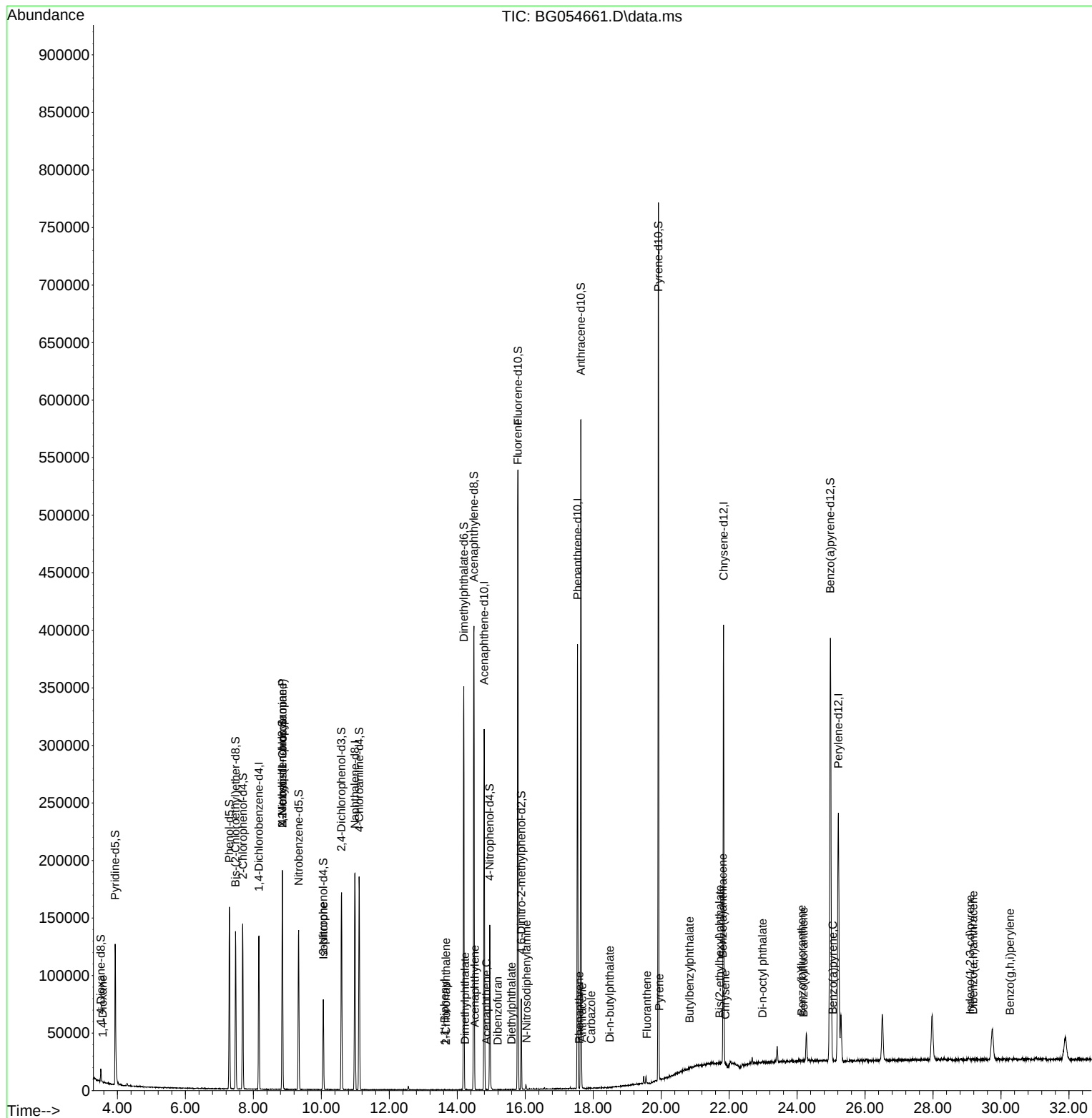
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	24.133	252	746	0.049	ng/ul#	60
91) Benzo(k)fluoranthene	24.192	252	356	0.025	ng/ul#	59
93) Benzo(a)pyrene	25.050	252	213	0.014	ng/ul#	53
94) Indeno(1,2,3-cd)pyrene	29.098	276	56	0.003	ng/ul#	56
95) Dibenzo(a,h)anthracene	29.186	278	114	0.008	ng/ul#	56
96) Benzo(g,h,i)perylene	30.267	276	56	0.004	ng/ul#	54

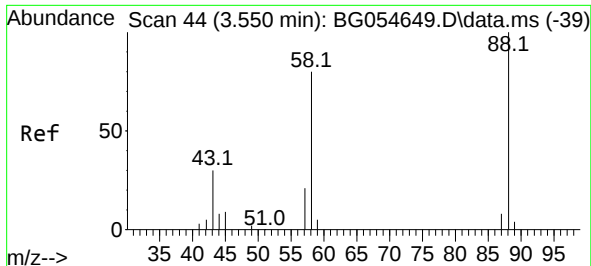
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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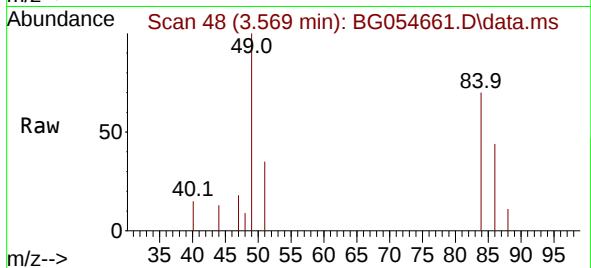
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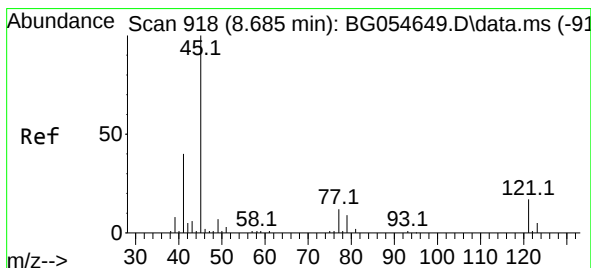
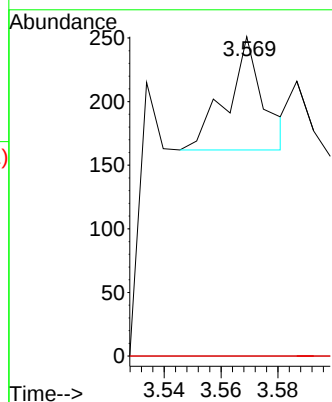
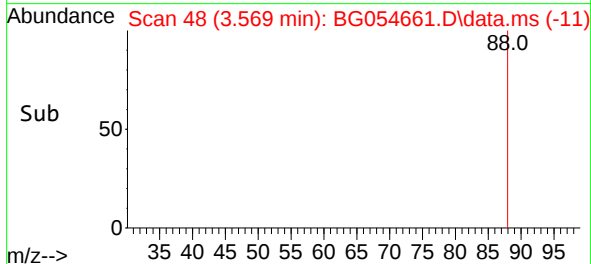


#2
 1,4-Dioxane
 Concen: 0.068 ng/uL
 RT: 3.569 min Scan# 44
 Delta R.T. 0.017 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20

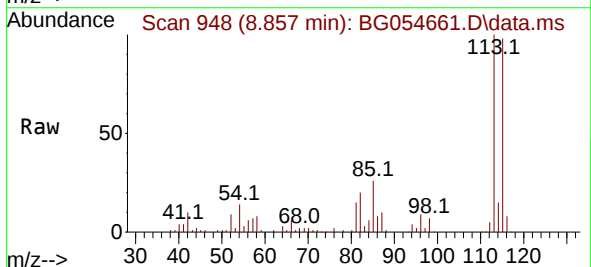
Instrument :
 BNA_G
 ClientSampleId :



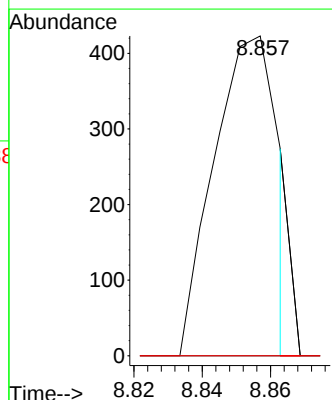
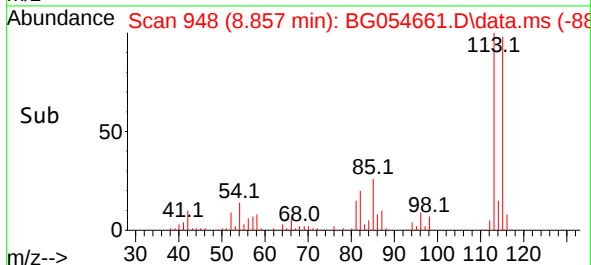
Tgt Ion: 88 Resp: 79
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.3 42.5#
 58 0.0 63.4 95.2#

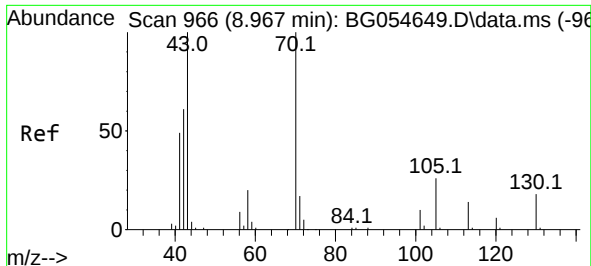


#14
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.120 ng/uL
 RT: 8.857 min Scan# 948
 Delta R.T. 0.169 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20



Tgt Ion: 45 Resp: 554
 Ion Ratio Lower Upper
 45 100
 77 0.0 9.9 14.9#
 79 0.0 6.6 9.8#





#17

N-Nitroso-di-n-propylamine

Concen: 0.744 ng/ul

RT: 8.857 min Scan# 948

Delta R.T. -0.113 min

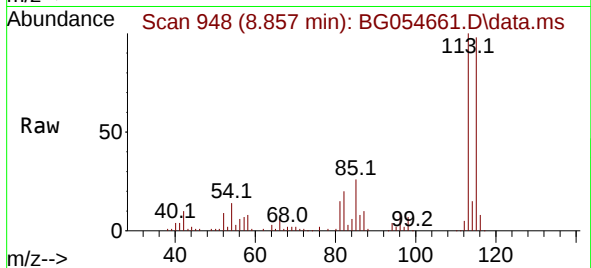
Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

Instrument :

BNA_G

ClientSampleId :



Tgt Ion: 70 Resp: 1656

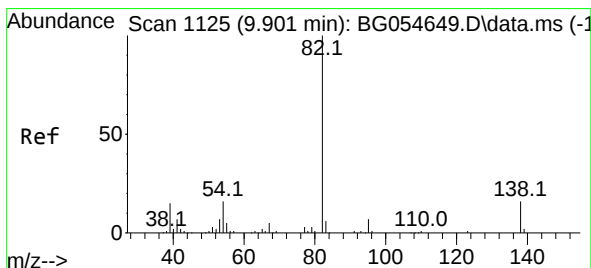
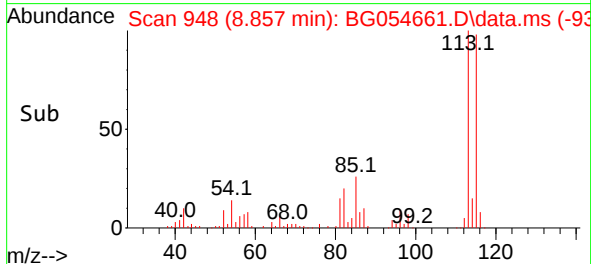
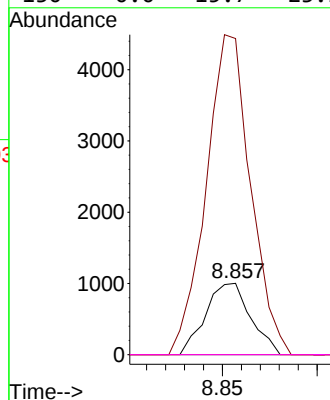
Ion Ratio Lower Upper

70 100

42 442.9 49.6 74.4#

101 0.0 6.6 10.0#

130 0.0 15.7 23.5#



#23

Isophorone

Concen: 0.344 ng/ul

RT: 10.061 min Scan# 1153

Delta R.T. 0.158 min

Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

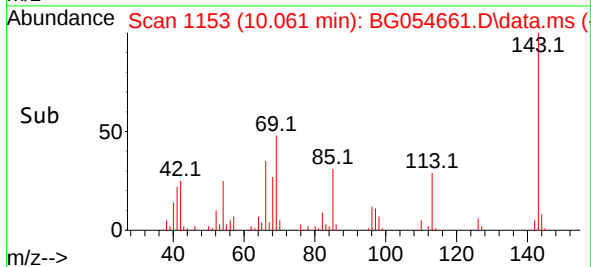
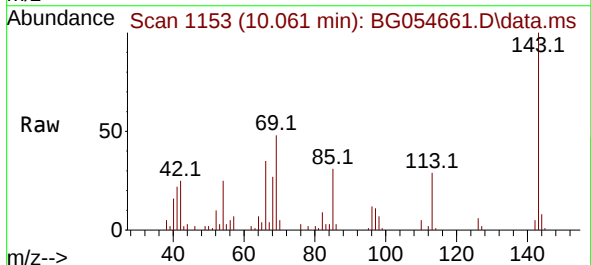
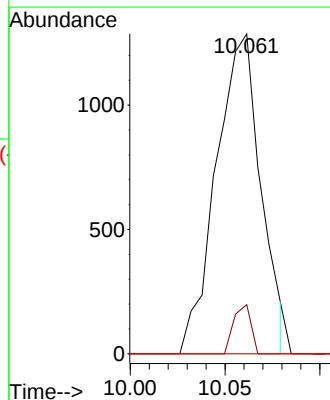
Tgt Ion: 82 Resp: 2105

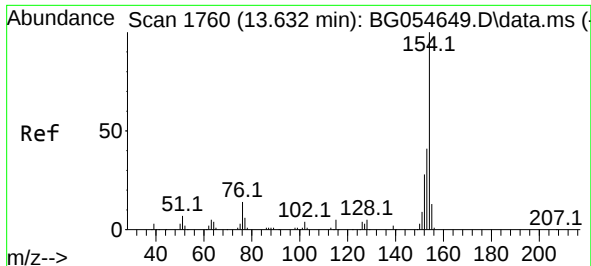
Ion Ratio Lower Upper

82 100

95 15.4 5.4 8.0#

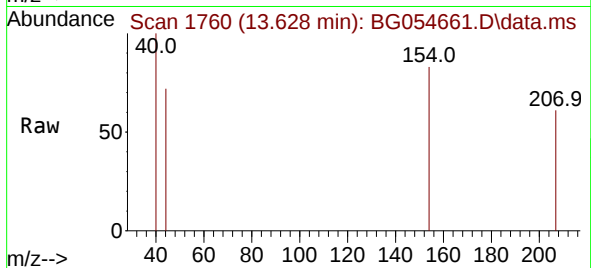
138 0.0 13.2 19.8#



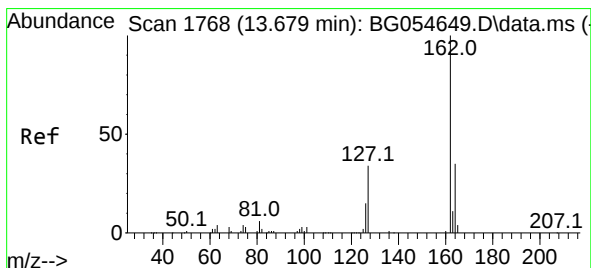
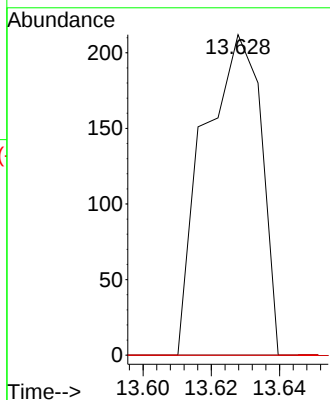
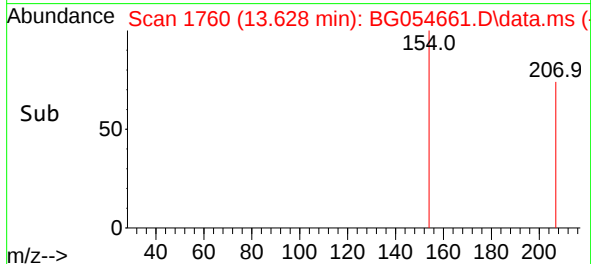


#43
1,1'-Biphenyl
Concen: 0.031 ng/ul
RT: 13.628 min Scan# 1760
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

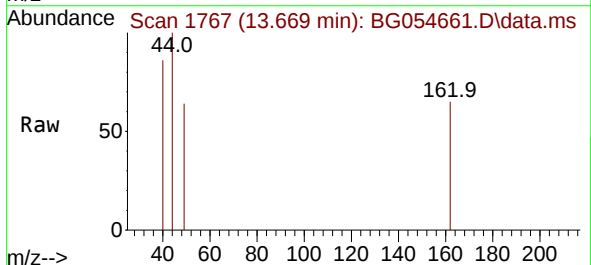
Instrument :
BNA_G
ClientSampleId :



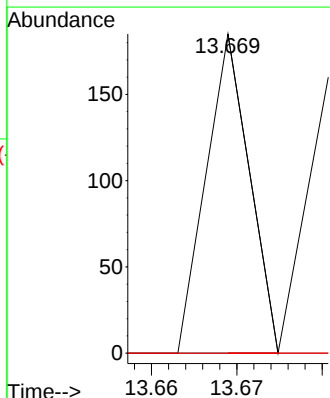
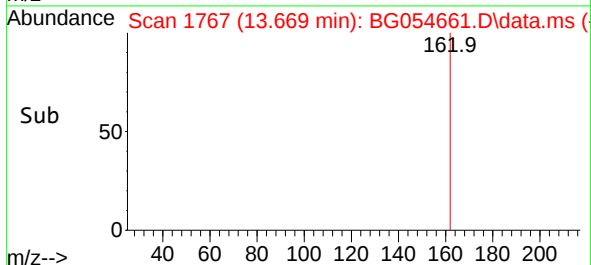
Tgt Ion:154 Resp: 247
Ion Ratio Lower Upper
154 100
153 0.0 33.8 50.6#
76 0.0 11.0 16.6#

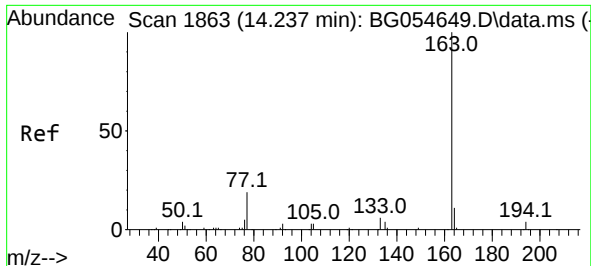


#44
2-Chloronaphthalene
Concen: 0.011 ng/ul
RT: 13.669 min Scan# 1767
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20



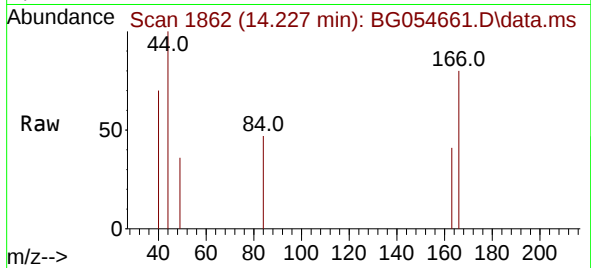
Tgt Ion:162 Resp: 65
Ion Ratio Lower Upper
162 100
164 0.0 26.0 39.0#
127 0.0 31.4 47.0#



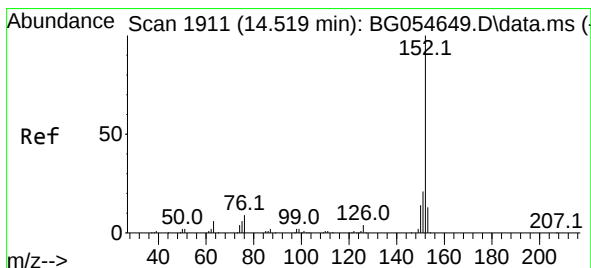
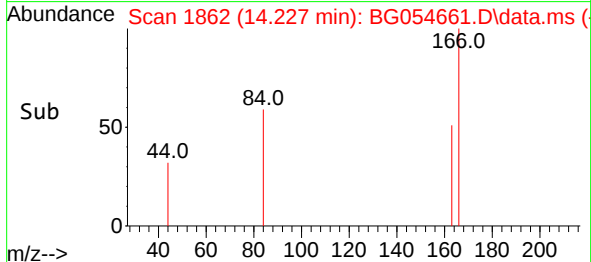
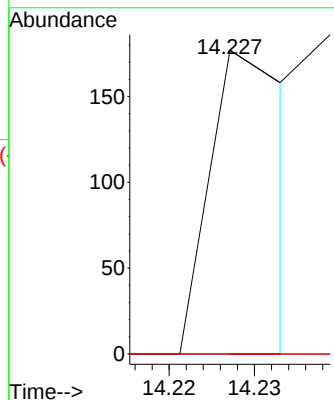


#47
Dimethylphthalate
Concen: 0.015 ng/ul
RT: 14.227 min Scan# 1862
Delta R.T. -0.013 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Instrument :
BNA_G
ClientSampleId :

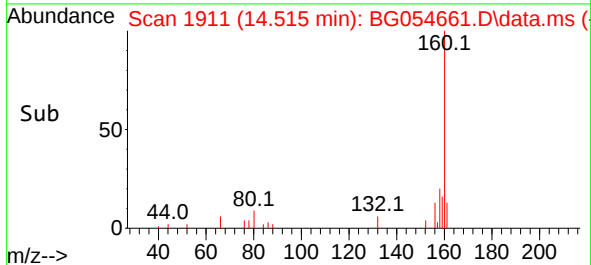
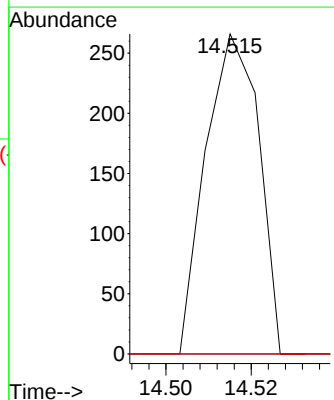
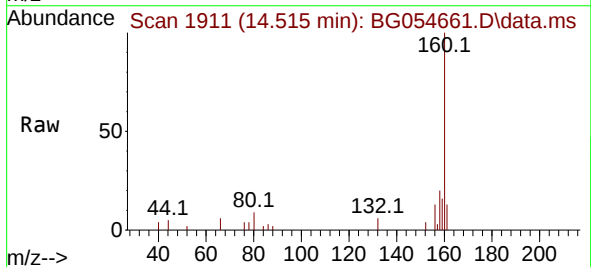


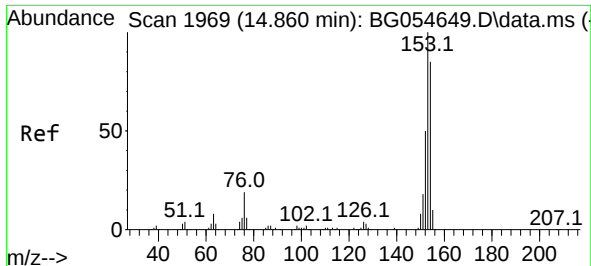
Tgt Ion:163 Resp: 118
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 0.0 8.7 13.1#



#50
Acenaphthylene
Concen: 0.023 ng/ul
RT: 14.515 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

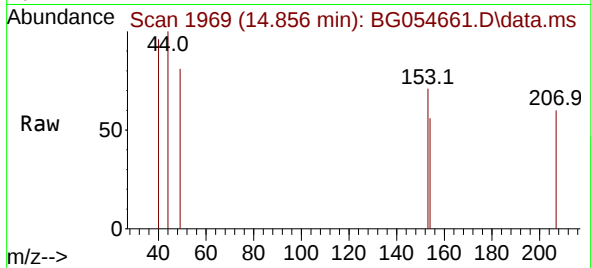
Tgt Ion:152 Resp: 230
Ion Ratio Lower Upper
152 100
151 0.0 16.9 25.3#
153 0.0 10.5 15.7#



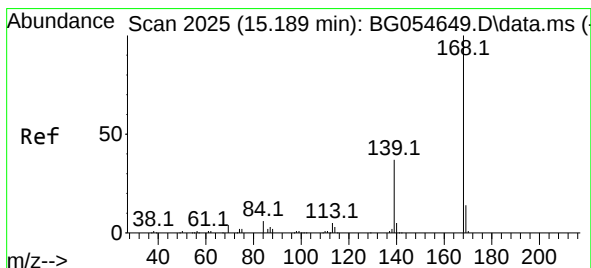
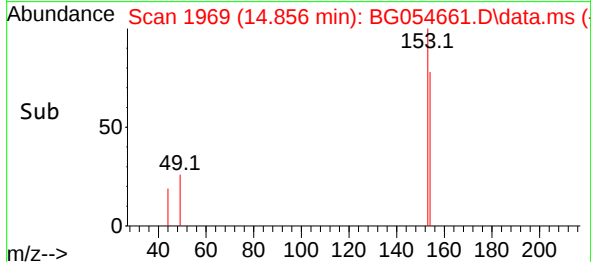
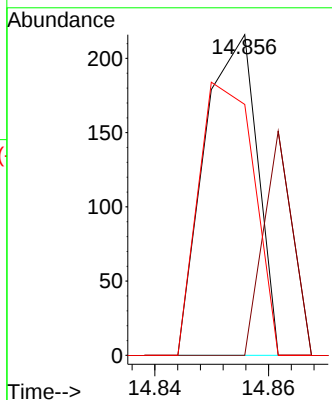


#52
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.856 min Scan# 1969
Delta R.T. -0.001 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Instrument :
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ClientSampleId :

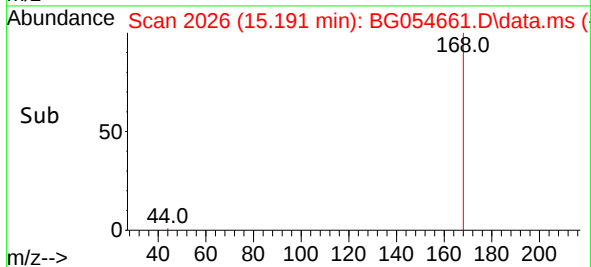
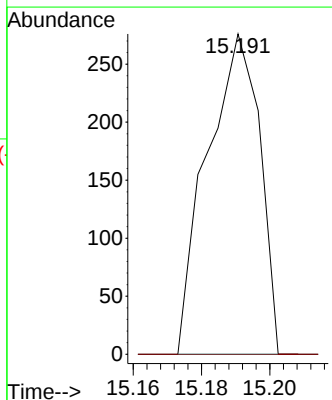
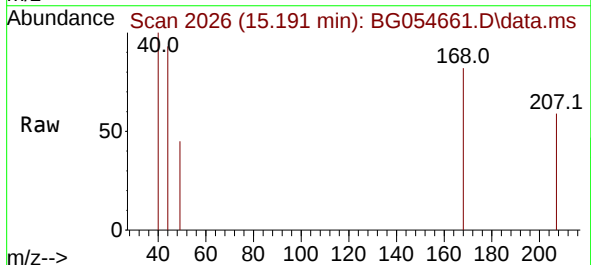


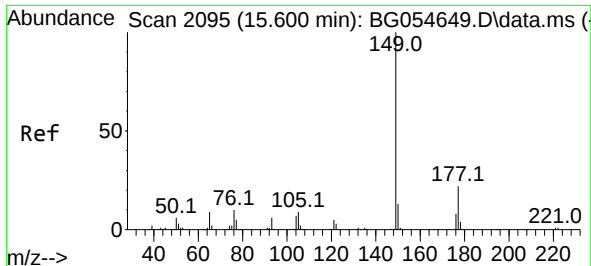
Tgt Ion:153 Resp: 139
Ion Ratio Lower Upper
153 100
152 0.0 36.9 55.3#
154 78.2 68.2 102.2



#56
Dibenzofuran
Concen: 0.032 ng/ul
RT: 15.191 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

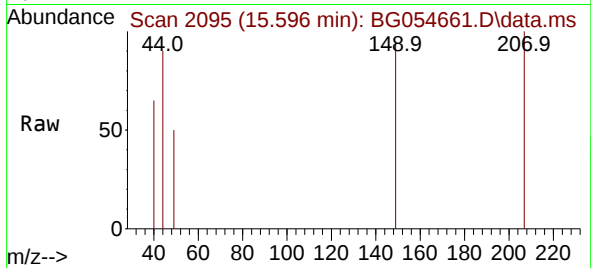
Tgt Ion:168 Resp: 295
Ion Ratio Lower Upper
168 100
139 0.0 29.4 44.2#



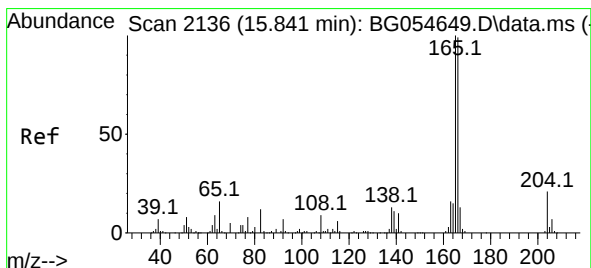
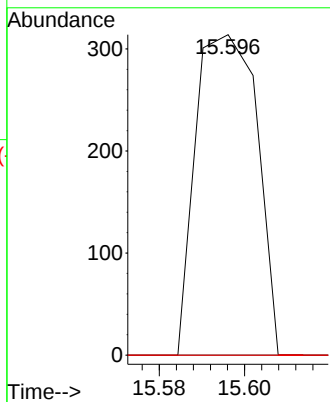
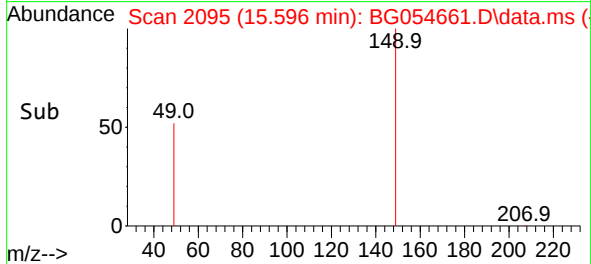


#59
Diethylphthalate
Concen: 0.041 ng/ul
RT: 15.596 min Scan# 2095
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

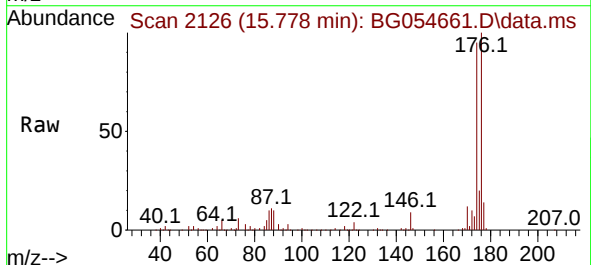
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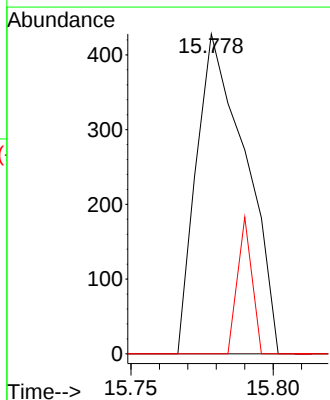
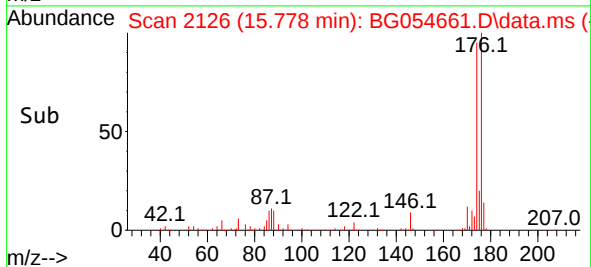
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Ion Ratio Lower Upper
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150 0.0 9.8 14.8#

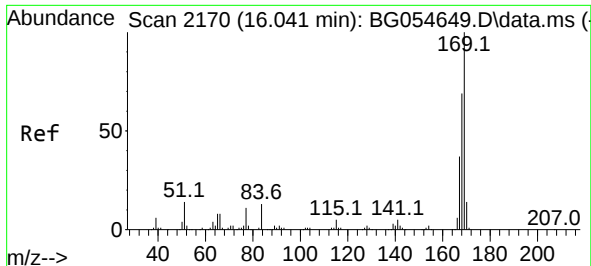


#61
Fluorene
Concen: 0.068 ng/ul
RT: 15.778 min Scan# 2126
Delta R.T. -0.066 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20



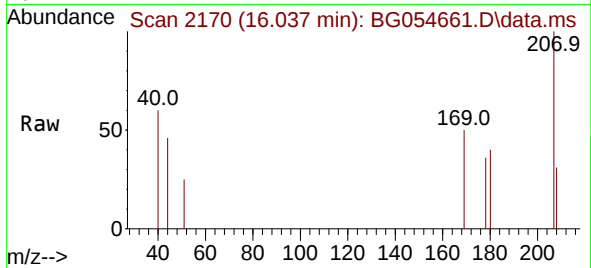
Tgt Ion:166 Resp: 513
Ion Ratio Lower Upper
166 100
165 0.0 81.3 121.9#
167 0.0 11.0 16.4#



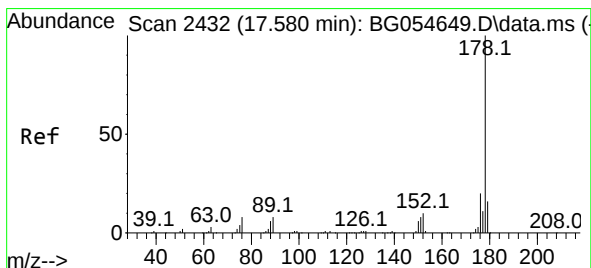
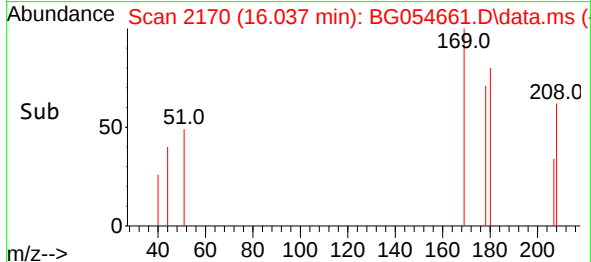
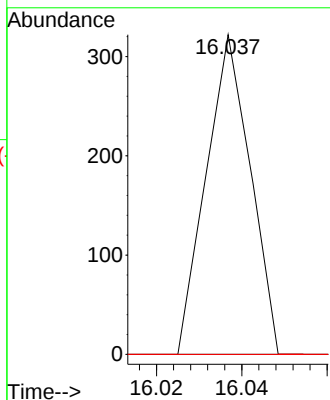


#67
N-Nitrosodiphenylamine
Concen: 0.034 ng/ul
RT: 16.037 min Scan# 2170
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Instrument :
BNA_G
ClientSampleId :

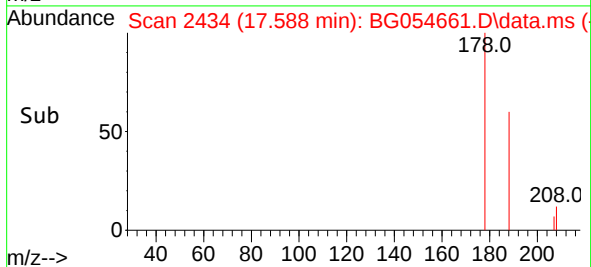
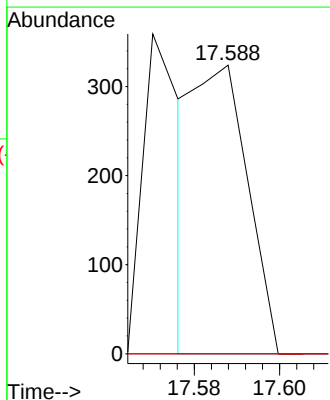
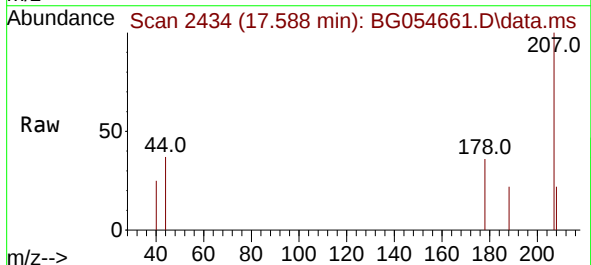


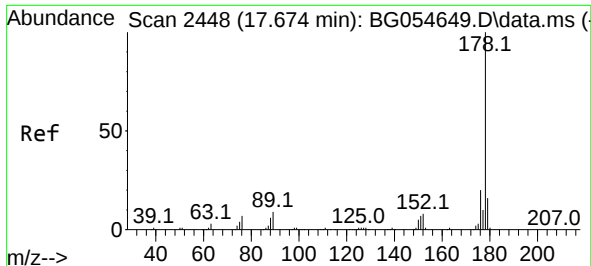
Tgt Ion:169 Resp: 231
Ion Ratio Lower Upper
169 100
168 0.0 53.8 80.8#
167 0.0 29.4 44.0#



#72
Phenanthrene
Concen: 0.022 ng/ul
RT: 17.588 min Scan# 2434
Delta R.T. 0.005 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

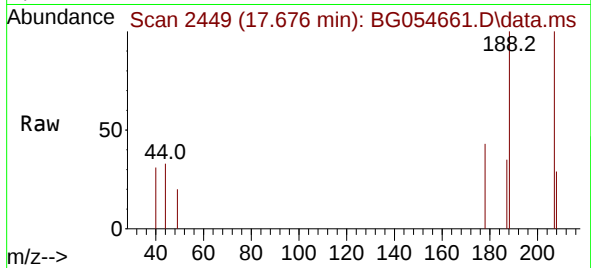
Tgt Ion:178 Resp: 277
Ion Ratio Lower Upper
178 100
179 0.0 12.8 19.2#
176 0.0 15.6 23.4#



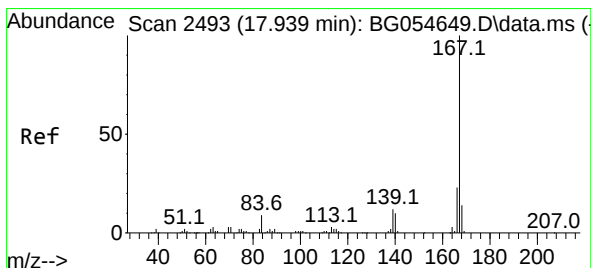
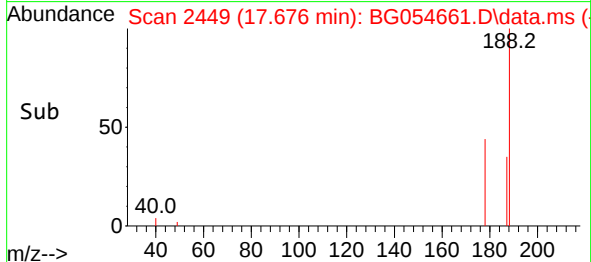
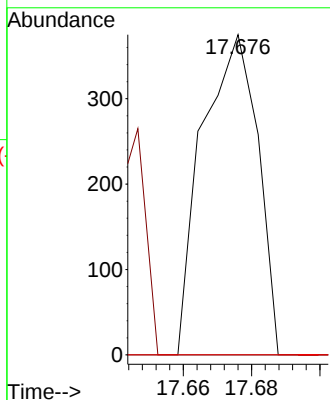


#74
 Anthracene
 Concen: 0.034 ng/ul
 RT: 17.676 min Scan# 2448
 Delta R.T. -0.001 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20

Instrument :
 BNA_G
 ClientSampleId :

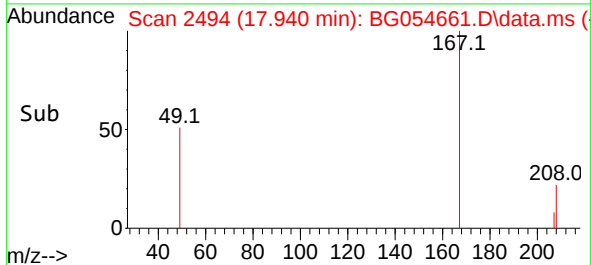
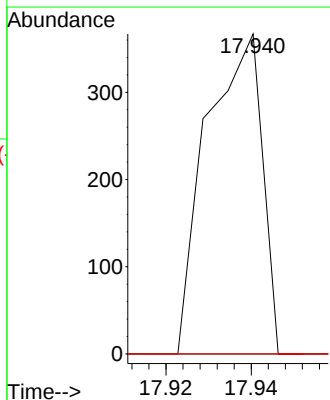
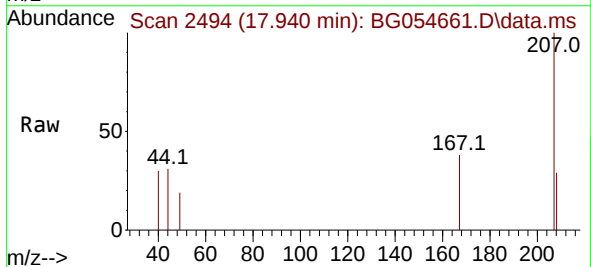


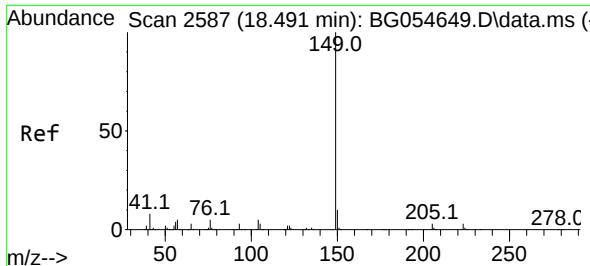
Tgt Ion:178 Resp: 423
 Ion Ratio Lower Upper
 178 100
 179 0.0 12.5 18.7#
 176 0.0 15.9 23.9#



#77
 Carbazole
 Concen: 0.030 ng/ul
 RT: 17.940 min Scan# 2494
 Delta R.T. -0.001 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20

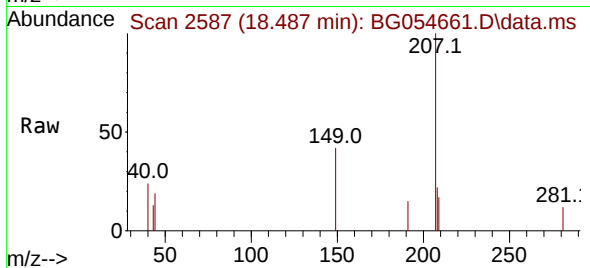
Tgt Ion:167 Resp: 331
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.8 26.6#
 139 0.0 9.9 14.9#



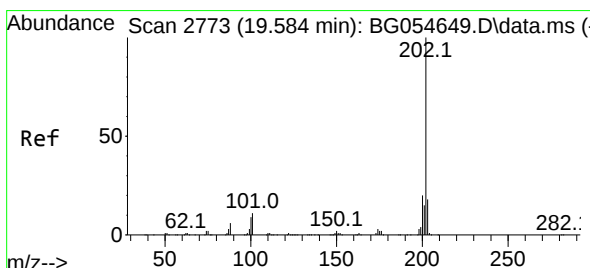
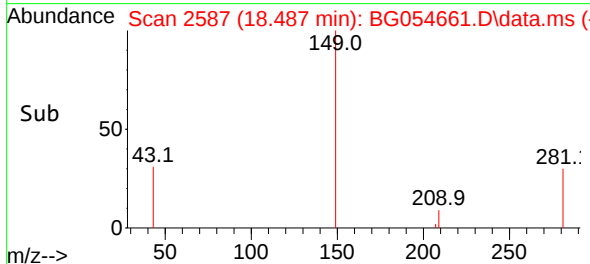
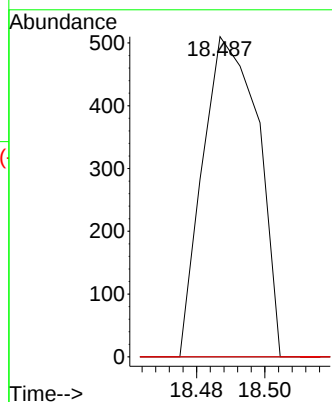


#78
Di-n-butylphthalate
Concen: 0.044 ng/ul
RT: 18.487 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Instrument :
BNA_G
ClientSampleId :

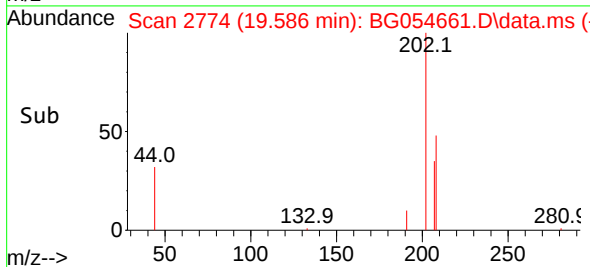
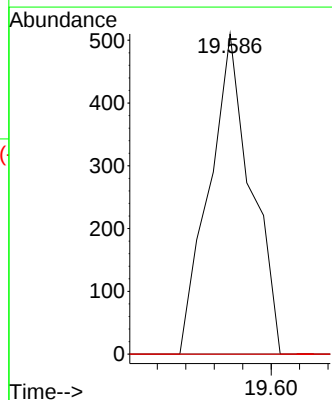
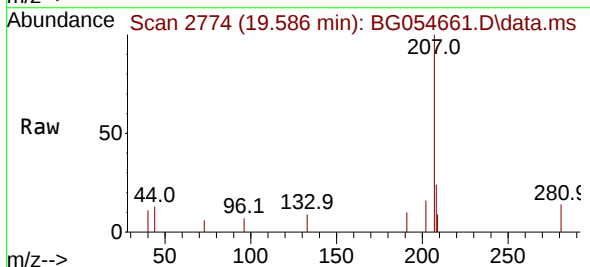


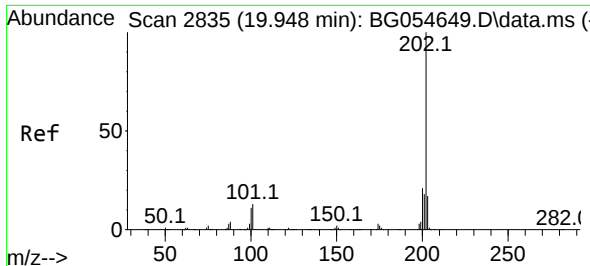
Tgt Ion:149 Resp: 574
Ion Ratio Lower Upper
149 100
150 0.0 7.7 11.5#
104 0.0 4.2 6.4#



#80
Fluoranthene
Concen: 0.033 ng/ul
RT: 19.586 min Scan# 2774
Delta R.T. -0.001 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

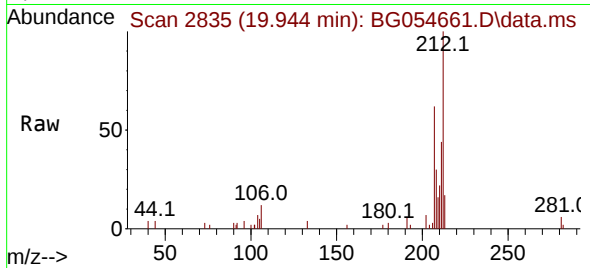
Tgt Ion:202 Resp: 520
Ion Ratio Lower Upper
202 100
101 0.0 8.0 12.0#
100 0.0 6.7 10.1#



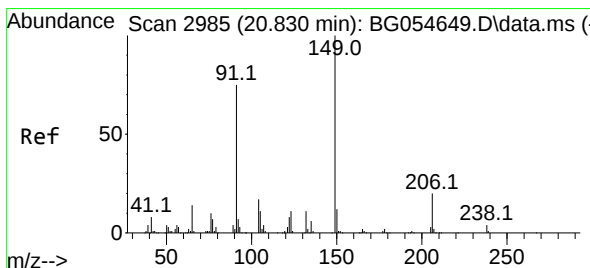
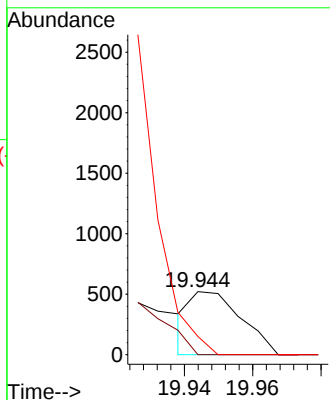
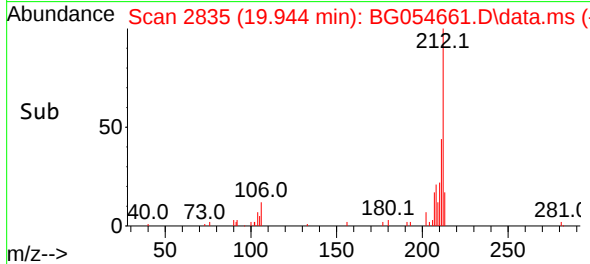


#82
 Pyrene
 Concen: 0.035 ng/ul
 RT: 19.944 min Scan# 210
 Delta R.T. -0.007 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20

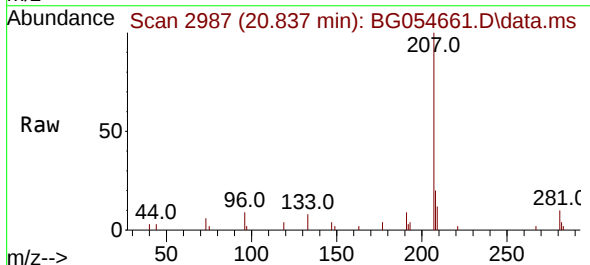
Instrument :
 BNA_G
 ClientSampleId :



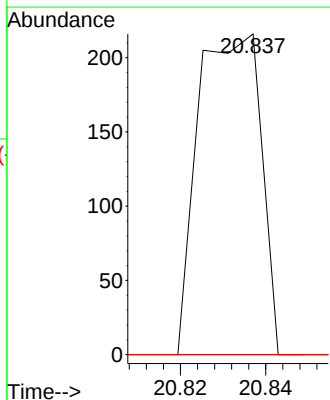
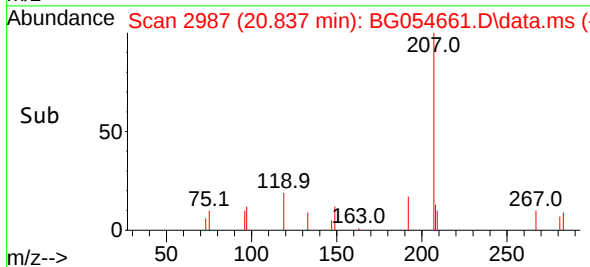
Tgt Ion:202 Resp: 542
 Ion Ratio Lower Upper
 202 100
 101 0.0 10.1 15.1#
 100 29.0 8.4 12.6#

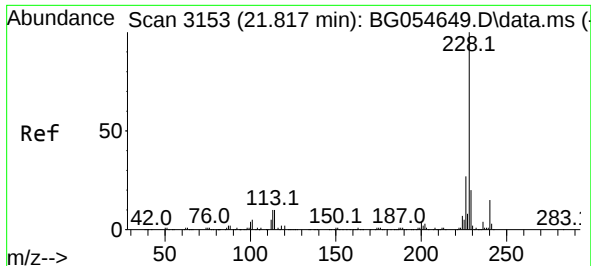


#83
 Butylbenzylphthalate
 Concen: 0.041 ng/ul
 RT: 20.837 min Scan# 2987
 Delta R.T. 0.005 min
 Lab File: BG054661.D
 Acq: 19 Aug 2022 11:20



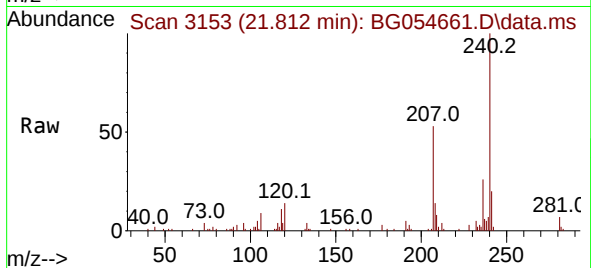
Tgt Ion:149 Resp: 220
 Ion Ratio Lower Upper
 149 100
 91 0.0 59.1 88.7#
 206 0.0 16.8 25.2#



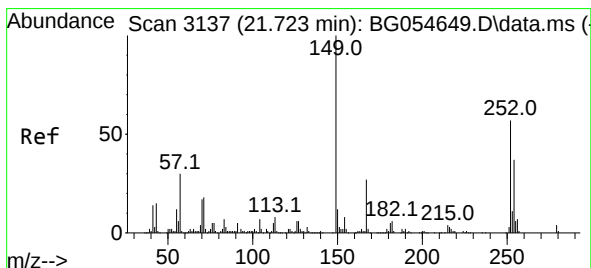
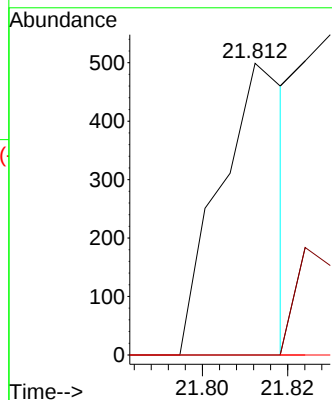
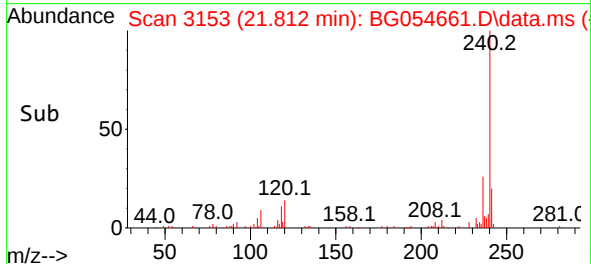


#85
Benzo(a)anthracene
Concen: 0.036 ng/ul
RT: 21.812 min Scan# 3153
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Instrument :
BNA_G
ClientSampleId :

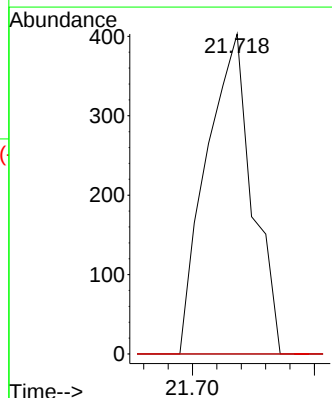
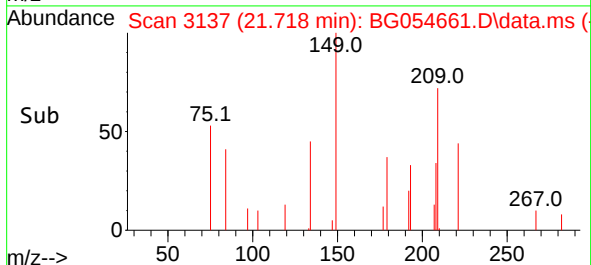
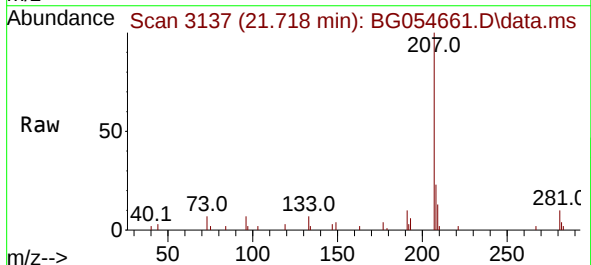


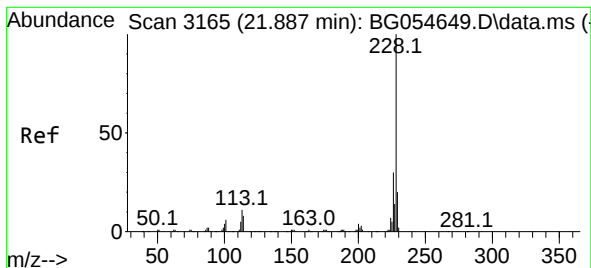
Tgt Ion:228 Resp: 537
Ion Ratio Lower Upper
228 100
229 0.0 15.8 23.6#
226 0.0 22.2 33.4#



#86
Bis(2-ethylhexyl)phthalate
Concen: 0.066 ng/ul
RT: 21.718 min Scan# 3137
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Tgt Ion:149 Resp: 527
Ion Ratio Lower Upper
149 100
167 0.0 21.5 32.3#
279 0.0 3.4 5.0#





#87

Chrysene

Concen: 0.047 ng/ul

RT: 21.889 min Scan# 3165

Delta R.T. -0.001 min

Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

Instrument :

BNA_G

ClientSampleId :

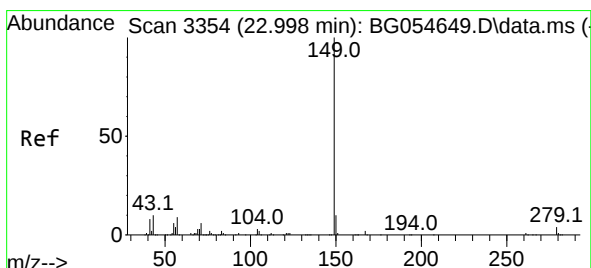
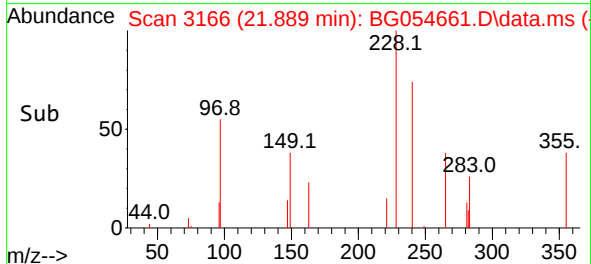
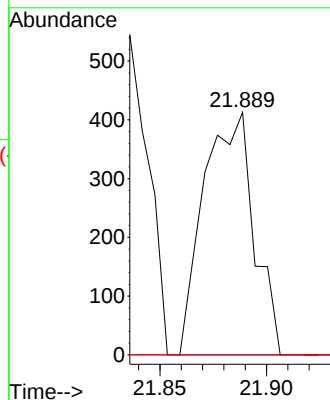
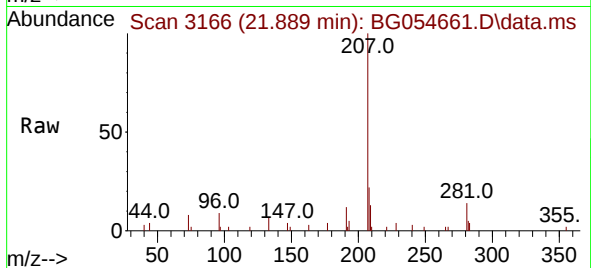
Tgt Ion:228 Resp: 676

Ion Ratio Lower Upper

228 100

226 0.0 24.6 36.8#

229 0.0 16.0 24.0#



#89

Di-n-octyl phthalate

Concen: 0.031 ng/ul

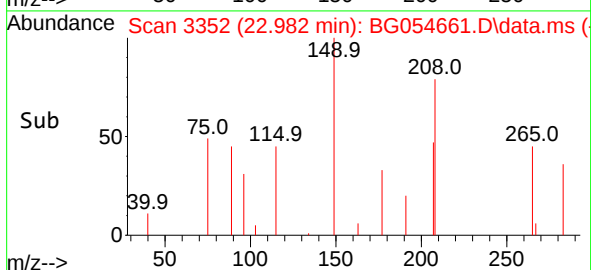
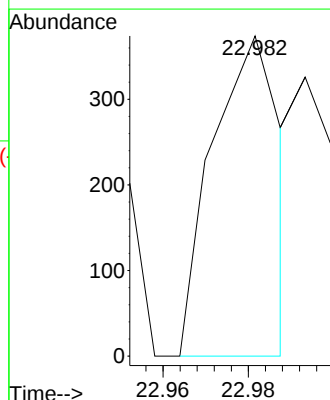
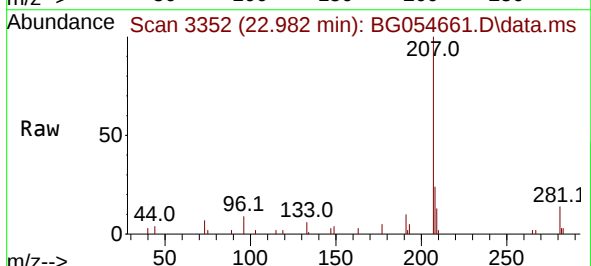
RT: 22.982 min Scan# 3352

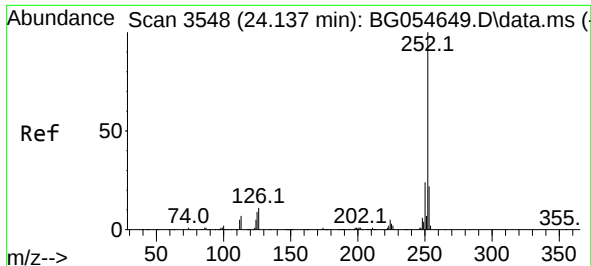
Delta R.T. -0.019 min

Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

Tgt Ion:149 Resp: 413

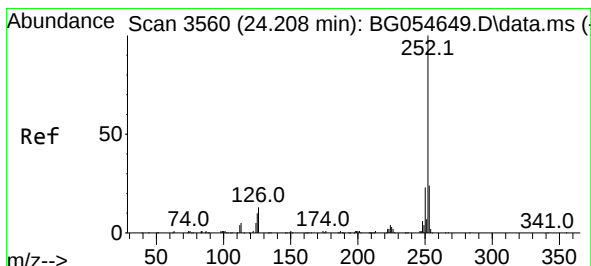
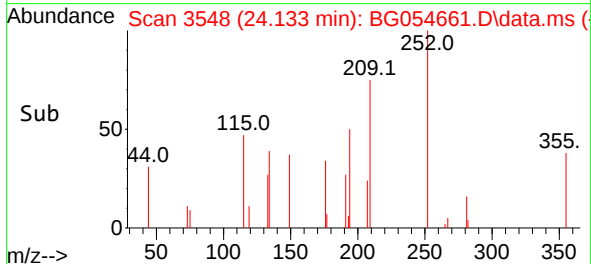
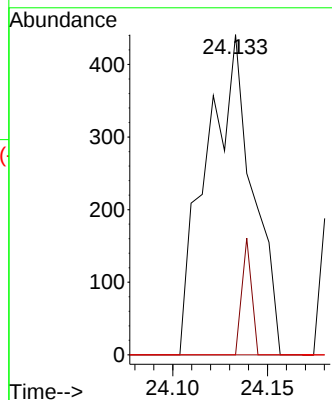
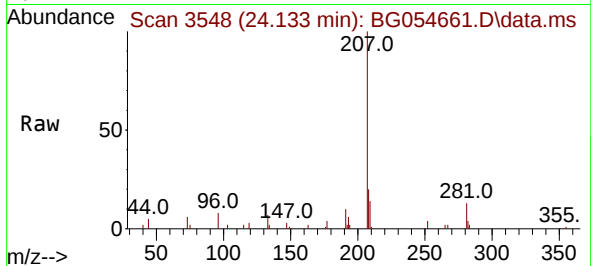




#90
Benzo(b)fluoranthene
Concen: 0.049 ng/ul
RT: 24.133 min Scan# 3548
Delta R.T. -0.007 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

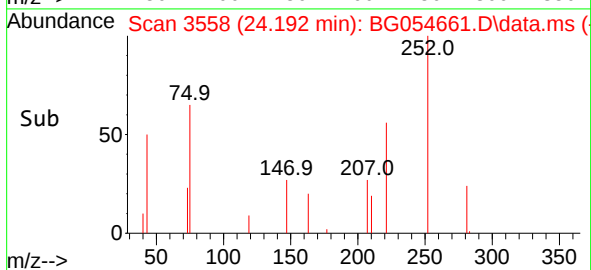
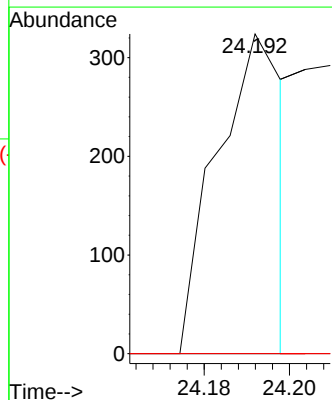
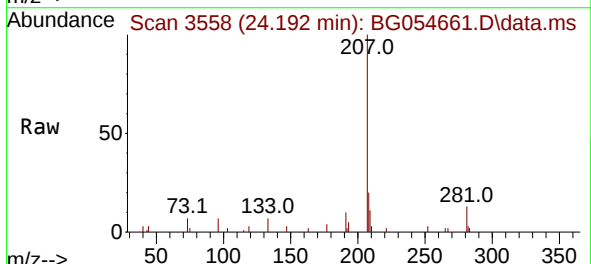
Instrument :
BNA_G
ClientSampleId :

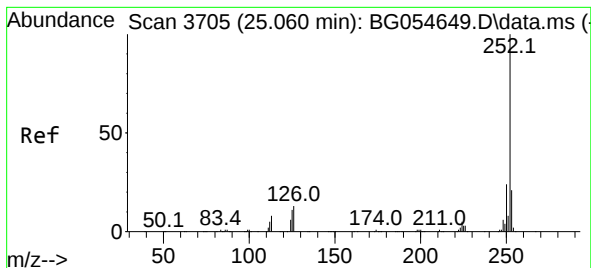
Tgt Ion:252 Resp: 746
Ion Ratio Lower Upper
252 100
253 0.0 17.7 26.5#
125 0.0 7.4 11.0#



#91
Benzo(k)fluoranthene
Concen: 0.025 ng/ul
RT: 24.192 min Scan# 3558
Delta R.T. -0.019 min
Lab File: BG054661.D
Acq: 19 Aug 2022 11:20

Tgt Ion:252 Resp: 356
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 0.0 7.6 11.4#





#93

Benzo(a)pyrene

Concen: 0.014 ng/ul

RT: 25.050 min Scan# 31

Delta R.T. -0.007 min

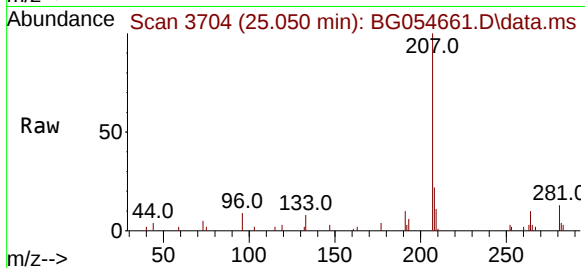
Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

Instrument :

BNA_G

ClientSampleId :



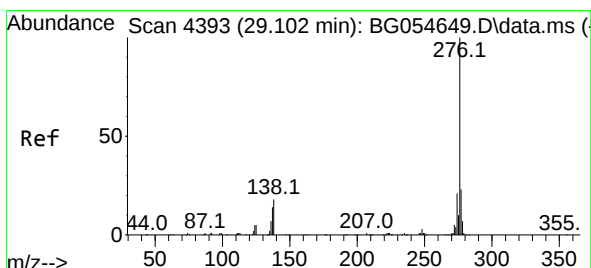
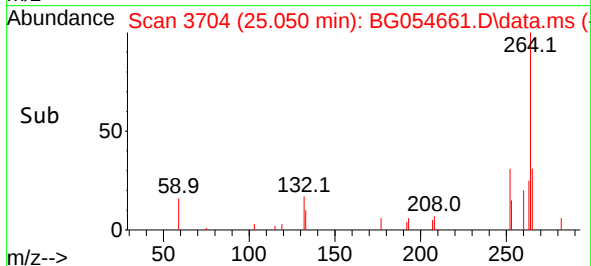
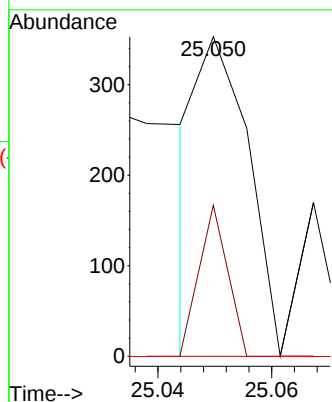
Tgt Ion:252 Resp: 213

Ion Ratio Lower Upper

252 100

253 47.3 17.0 25.4#

125 0.0 9.0 13.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng/ul

RT: 29.098 min Scan# 4393

Delta R.T. -0.007 min

Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

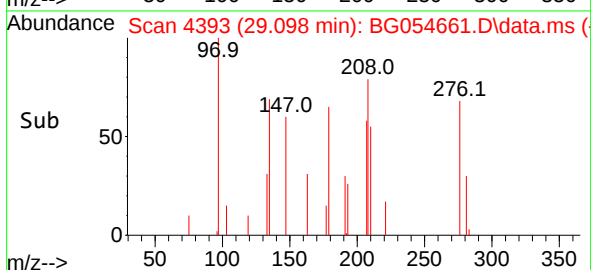
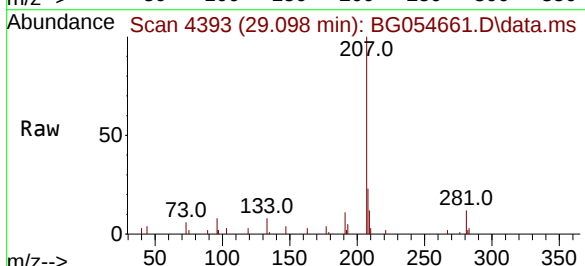
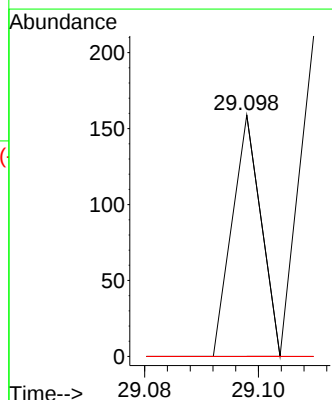
Tgt Ion:276 Resp: 56

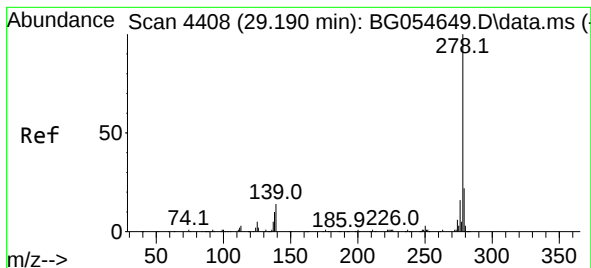
Ion Ratio Lower Upper

276 100

138 0.0 14.5 21.7#

277 0.0 18.3 27.5#





#95

Dibenzo(a,h)anthracene

Concen: 0.008 ng/ul

RT: 29.186 min Scan# 4408

Delta R.T. -0.001 min

Lab File: BG054661.D

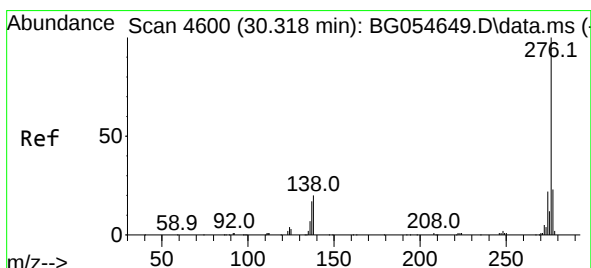
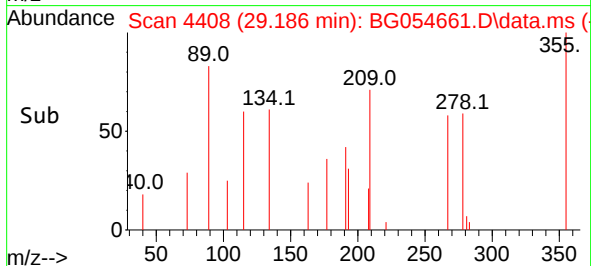
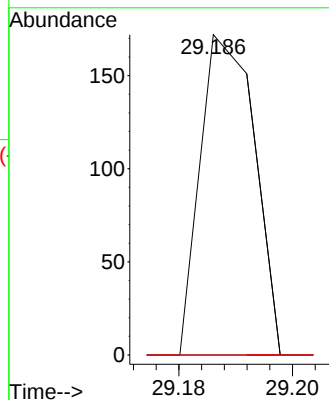
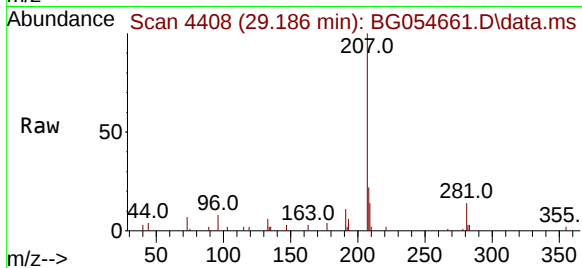
Acq: 19 Aug 2022 11:20

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	278	Resp:	114
Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.2	16.8#
279	0.0	19.6	29.4#



#96

Benzo(g,h,i)perylene

Concen: 0.004 ng/ul

RT: 30.267 min Scan# 4592

Delta R.T. -0.054 min

Lab File: BG054661.D

Acq: 19 Aug 2022 11:20

Tgt Ion:	276	Resp:	56
Ion	Ratio	Lower	Upper
276	100		
138	0.0	15.4	23.2#
277	0.0	19.5	29.3#

