

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051056.D
 Acq On : 16 Nov 2021 00:52
 Operator : CG/JU
 Sample : M4651-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111121

Quant Time: Nov 16 02:24:12 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

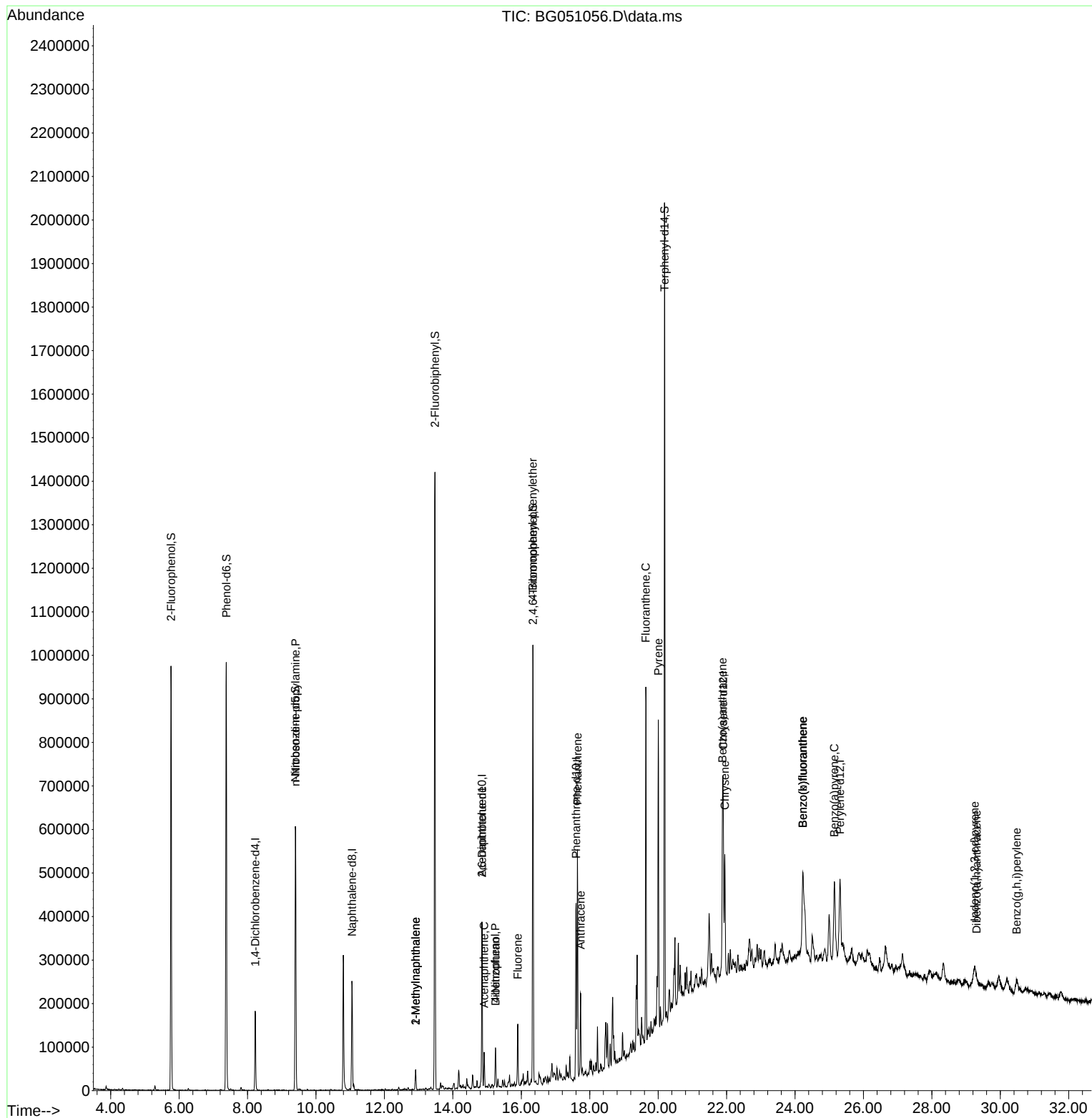
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	49623	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	214080	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	135417	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	254708	20.000	ng	# 0.00
76) Chrysene-d12	21.901	240	206852	20.000	ng	# 0.00
86) Perylene-d12	25.315	264	206697	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	429992	129.623	ng	0.00
7) Phenol-d6	7.377	99	582339	124.374	ng	0.00
23) Nitrobenzene-d5	9.398	82	409634	84.702	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	162701	120.061	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	723690	84.439	ng	0.00
79) Terphenyl-d14	20.186	244	849706	75.164	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.404	70	57083	16.498	ng	# 67
37) 2-Methylnaphthalene	12.912	142	21334	2.731	ng	91
38) 1-Methylnaphthalene	12.912	142	21334	2.795	ng	# 94
51) 2,6-Dinitrotoluene	14.851	165	19121	8.720	ng	# 11
52) Acenaphthene	14.915	154	27036	3.700	ng	# 93
55) Dibenzofuran	15.250	168	54207	4.362	ng	95
56) 4-Nitrophenol	15.244	139	21530	10.981	ng	# 1
58) Fluorene	15.897	166	60969	6.285	ng	98
67) 4-Bromophenyl-phenylether	16.337	248	12899	4.835	ng	# 1
71) Phenanthrene	17.642	178	314992	23.185	ng	97
72) Anthracene	17.736	178	125120	9.260	ng	97
75) Fluoranthene	19.639	202	512925	30.772	ng	96
78) Pyrene	20.004	202	446936	28.801	ng	97
81) Benzo(a)anthracene	21.878	228	233164	16.416	ng	98
83) Chrysene	21.948	228	210520	15.712	ng	94
87) Indeno(1,2,3-cd)pyrene	29.252	276	98428	6.709	ng	# 57
88) Benzo(b)fluoranthene	24.228	252	259225	19.924	ng	# 88
89) Benzo(k)fluoranthene	24.228	252	259225	19.977	ng	# 93
90) Benzo(a)pyrene	25.150	252	200786	18.076	ng	# 89
91) Dibenzo(a,h)anthracene	29.310	278	25254	2.091	ng	# 84
92) Benzo(g,h,i)perylene	30.479	276	85731	7.212	ng	# 84

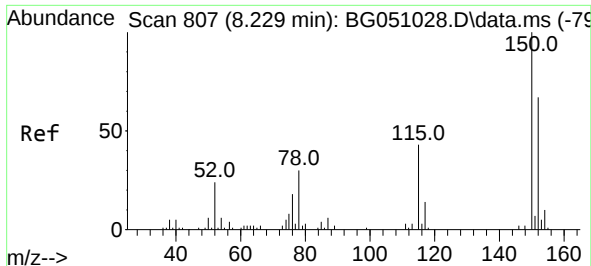
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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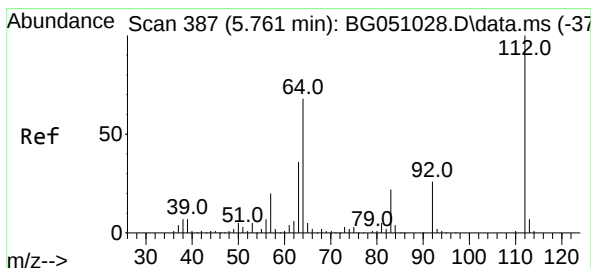
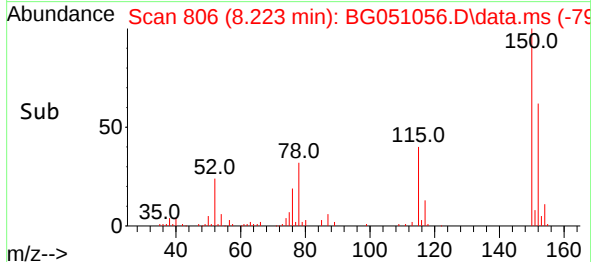
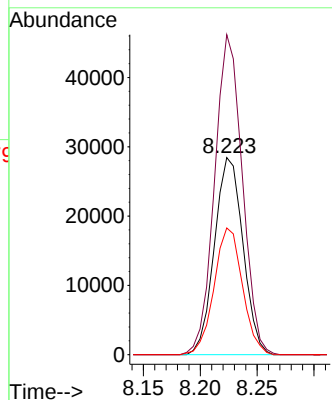
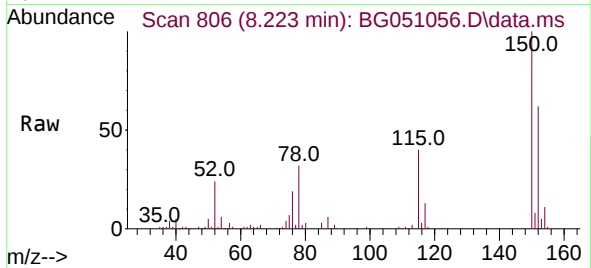




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 807
Delta R.T. -0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

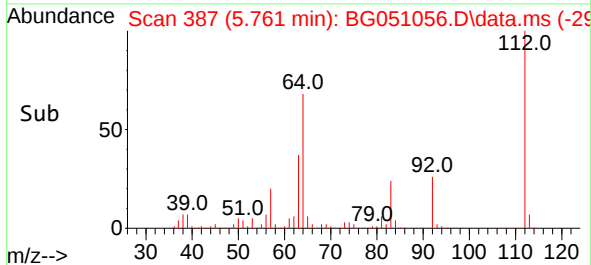
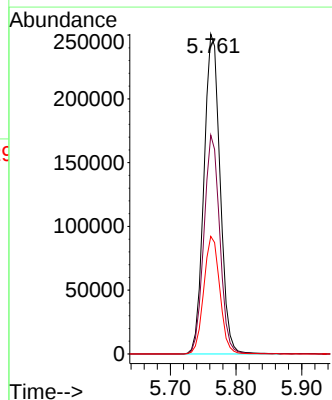
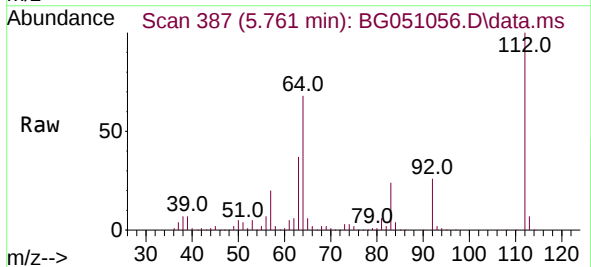
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

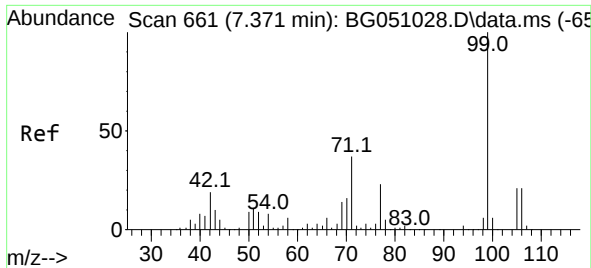
Tgt Ion:152 Resp: 49623
Ion Ratio Lower Upper
152 100
150 162.4 119.4 179.0
115 64.3 60.2 90.4



#5
2-Fluorophenol
Concen: 129.623 ng
RT: 5.761 min Scan# 387
Delta R.T. 0.000 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:112 Resp: 429992
Ion Ratio Lower Upper
112 100
64 68.4 46.7 70.1
63 36.8 35.3 52.9

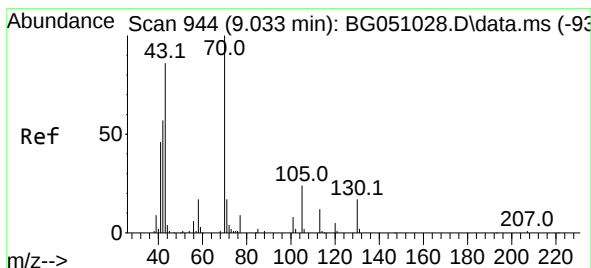
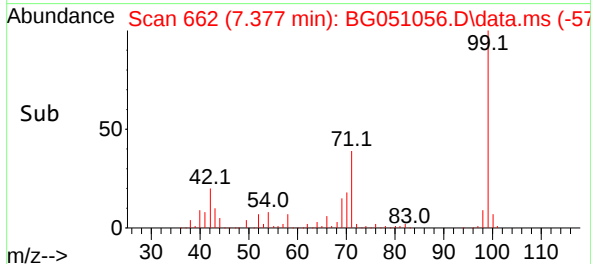
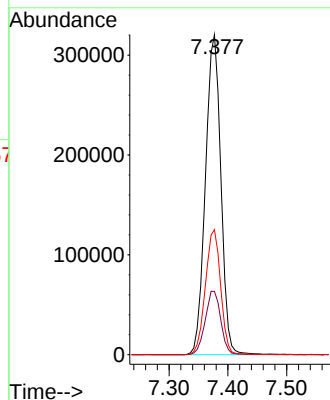
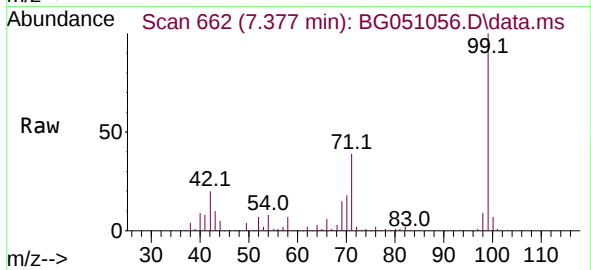




#7
Phenol-d6
Concen: 124.374 ng
RT: 7.377 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

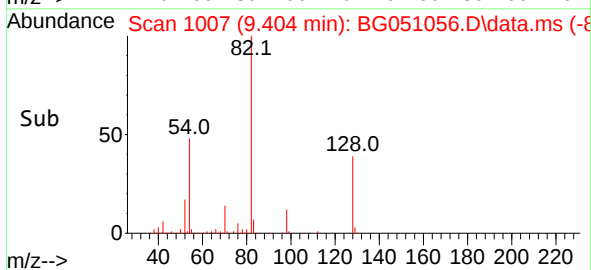
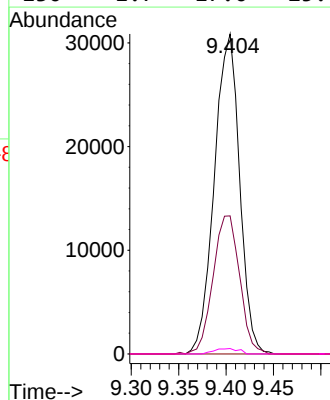
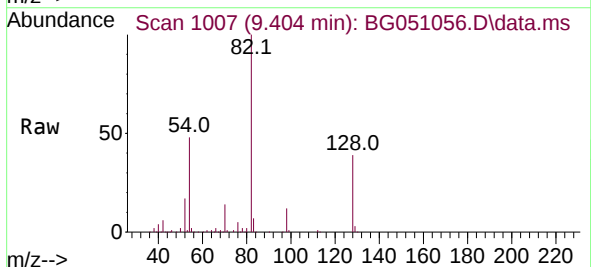
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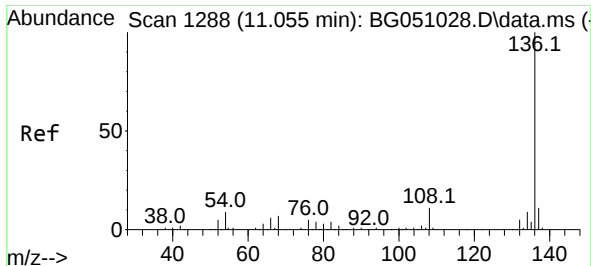
Tgt Ion: 99 Resp: 582339
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 39.1 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.498 ng
RT: 9.404 min Scan# 1007
Delta R.T. 0.371 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion: 70 Resp: 57083
Ion Ratio Lower Upper
70 100
42 43.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#

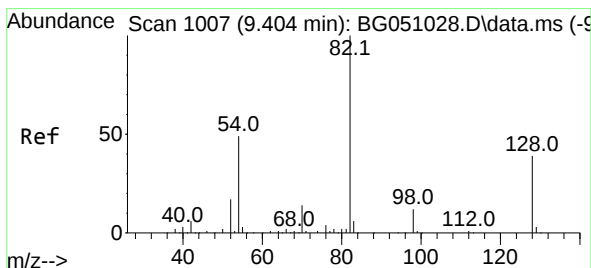
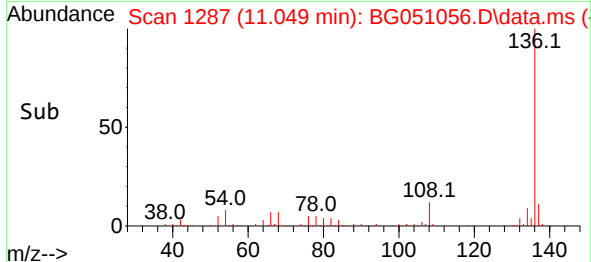
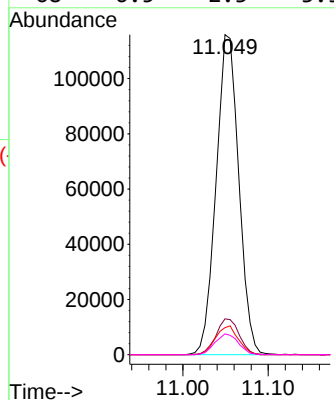
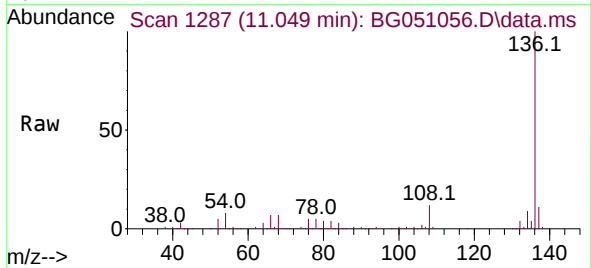




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 11049
Delta R.T. -0.005 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

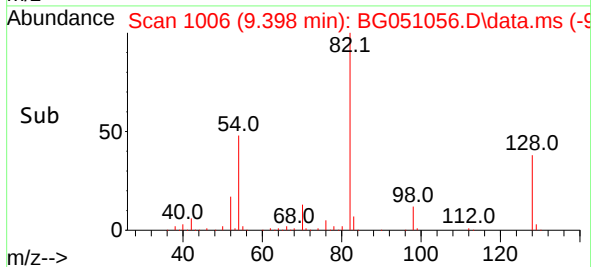
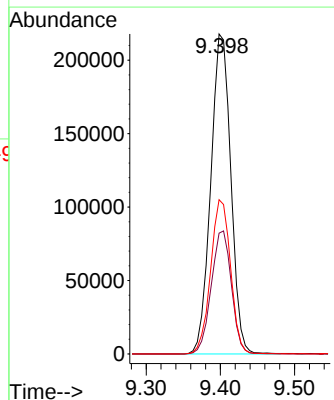
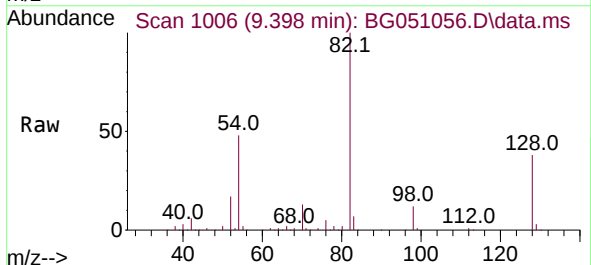
Instrument :
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ClientSampleId :
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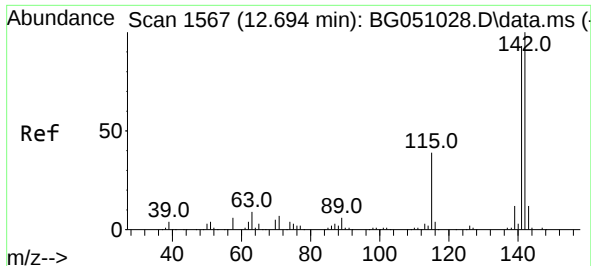
Tgt Ion:136 Resp: 214080
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 8.5 5.5 8.3#
68 6.5 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 84.702 ng
RT: 9.398 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BG051056.D
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Tgt Ion: 82 Resp: 409634
Ion Ratio Lower Upper
82 100
128 37.8 29.8 44.6
54 48.2 45.8 68.8

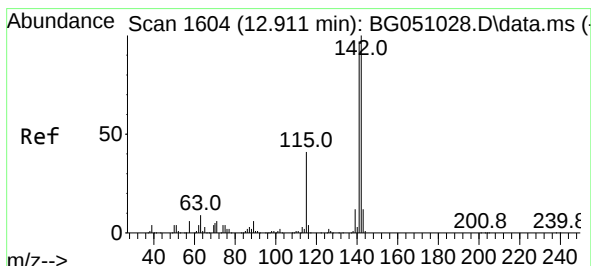
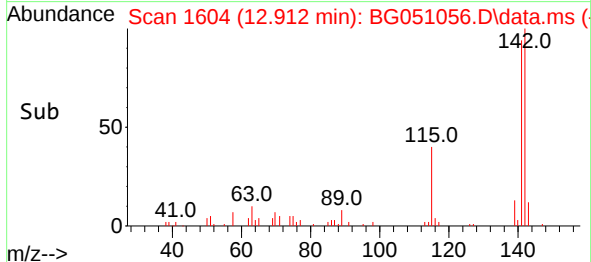
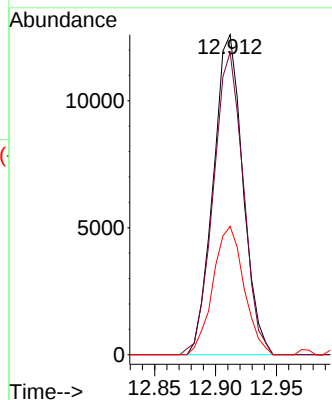
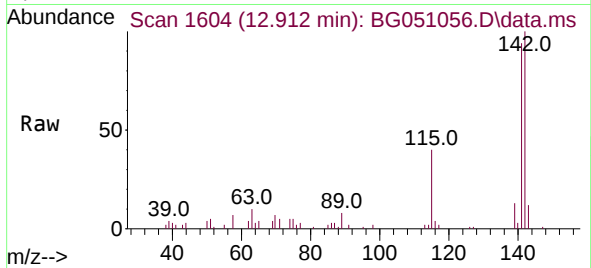




#37
2-Methylnaphthalene
Concen: 2.731 ng
RT: 12.912 min Scan# 1
Delta R.T. 0.218 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

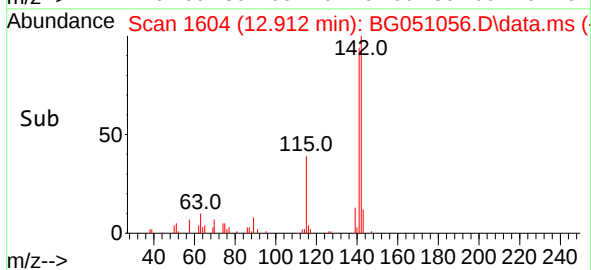
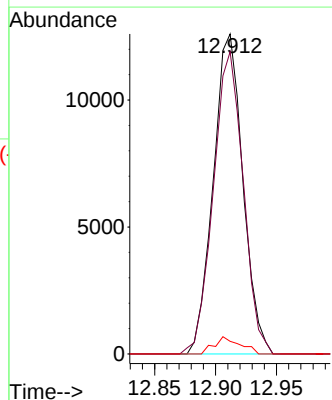
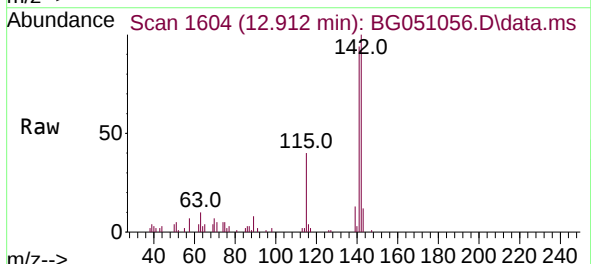
Instrument :
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ClientSampleId :
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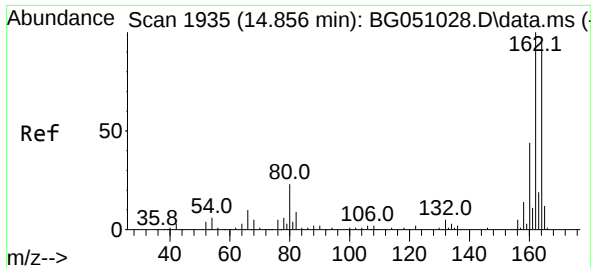
Tgt Ion:142 Resp: 21334
Ion Ratio Lower Upper
142 100
141 94.5 68.8 103.2
115 40.1 36.4 54.6



#38
1-Methylnaphthalene
Concen: 2.795 ng
RT: 12.912 min Scan# 1604
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:142 Resp: 21334
Ion Ratio Lower Upper
142 100
141 94.5 70.6 106.0
116 4.0 4.0 6.0#

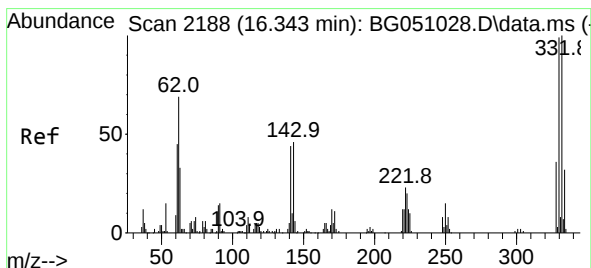
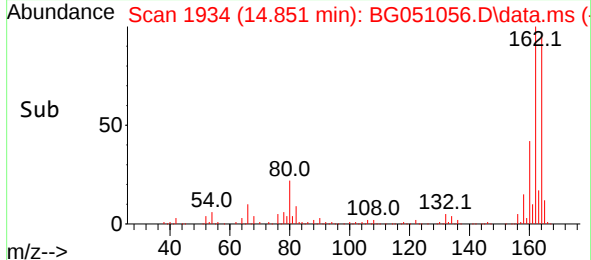
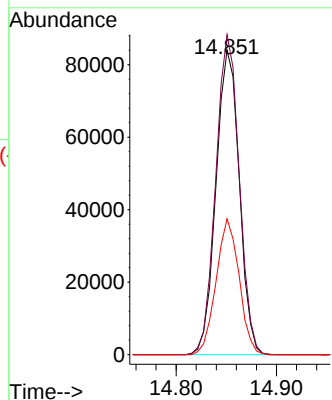
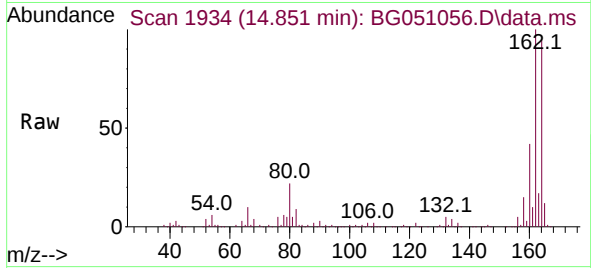




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

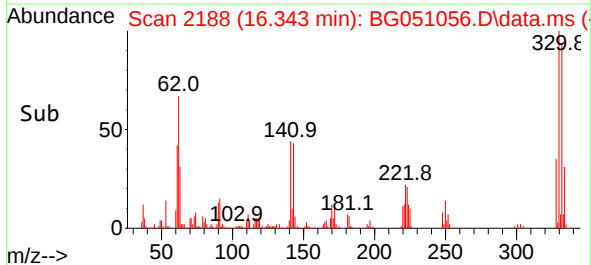
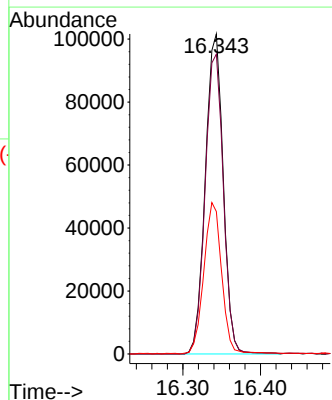
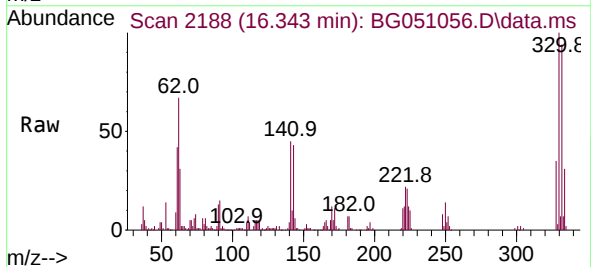
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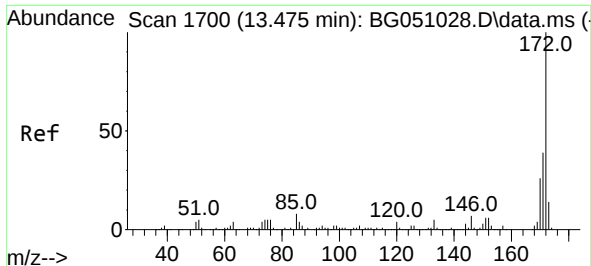
Tgt Ion:164 Resp: 135417
Ion Ratio Lower Upper
164 100
162 105.1 81.4 122.0
160 44.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 120.061 ng
RT: 16.343 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:330 Resp: 162701
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 47.5 35.6 53.4

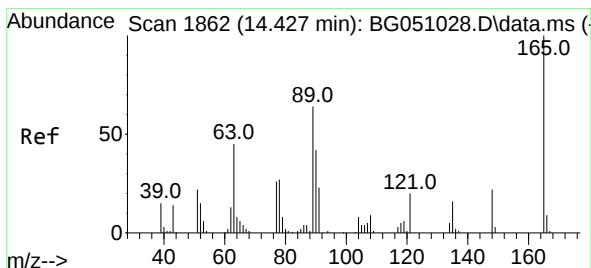
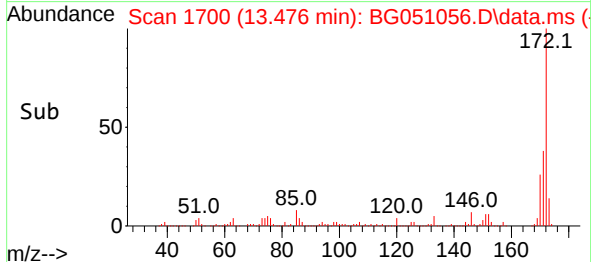
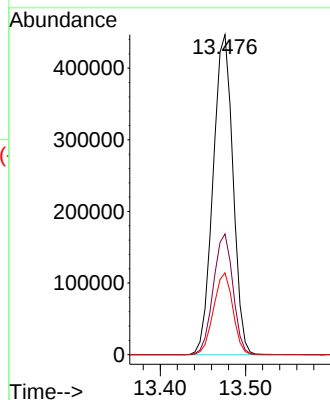
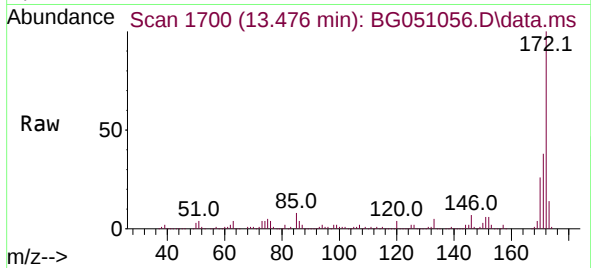




#45
2-Fluorobiphenyl
Concen: 84.439 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

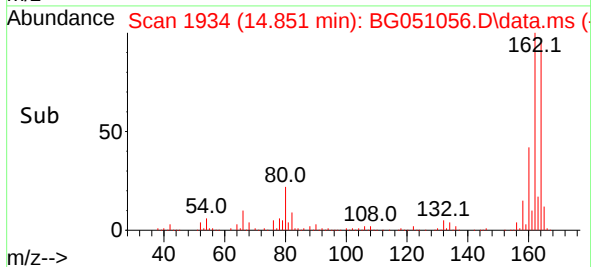
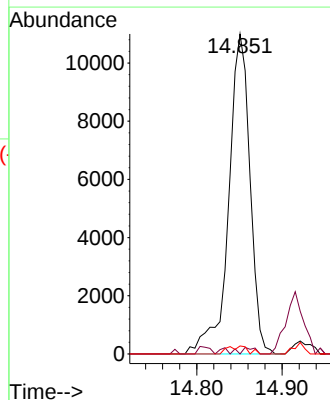
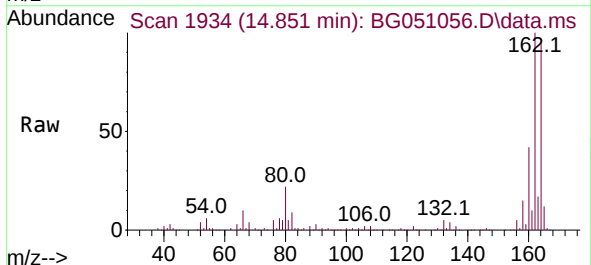
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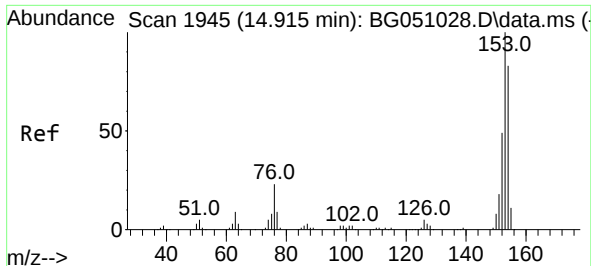
Tgt Ion:172 Resp: 723690
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.720 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:165 Resp: 19121
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.5 63.4 95.0#

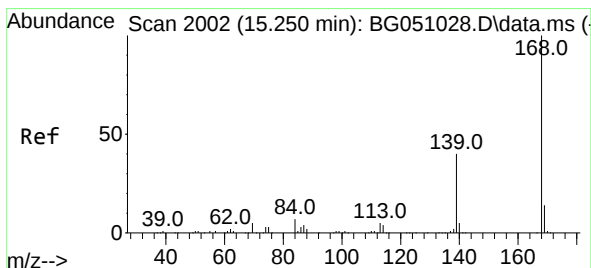
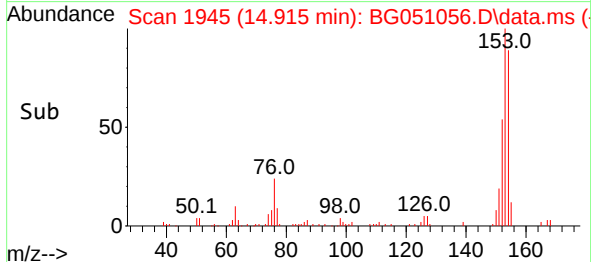
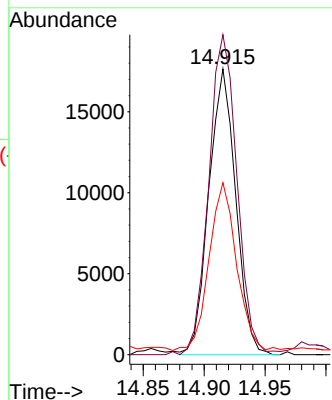
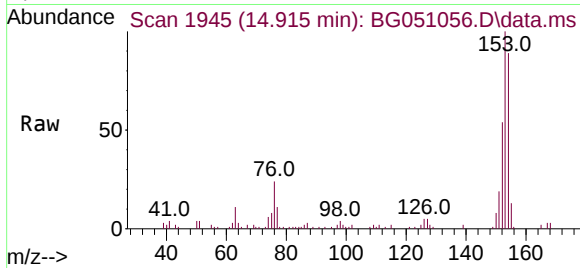




#52
Acenaphthene
Concen: 3.700 ng
RT: 14.915 min Scan# 1945
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

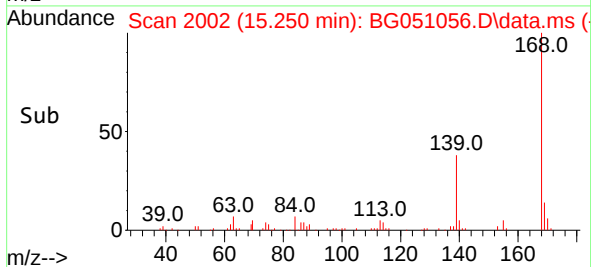
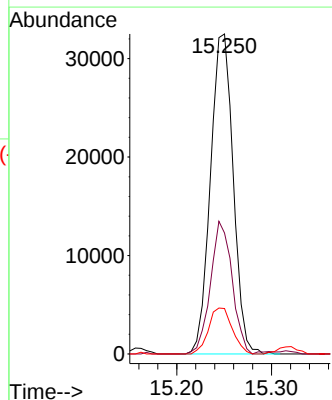
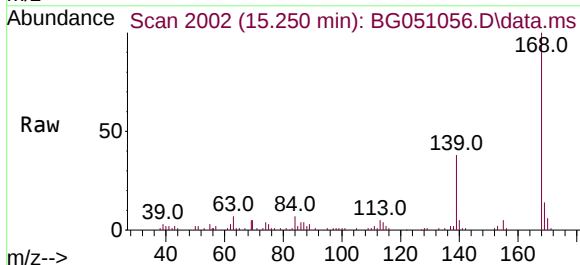
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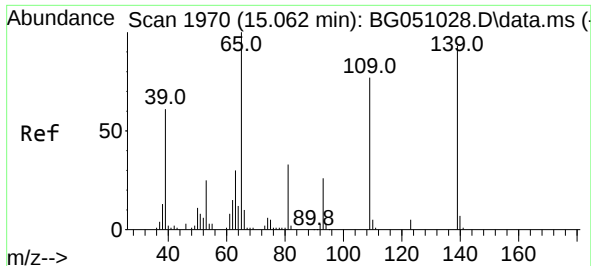
Tgt Ion:154 Resp: 27036
Ion Ratio Lower Upper
154 100
153 112.0 87.0 130.4
152 60.2 40.1 60.1#



#55
Dibenzofuran
Concen: 4.362 ng
RT: 15.250 min Scan# 2002
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:168 Resp: 54207
Ion Ratio Lower Upper
168 100
139 37.8 33.4 50.2
169 14.2 12.3 18.5

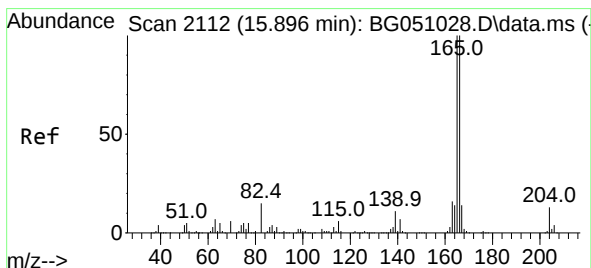
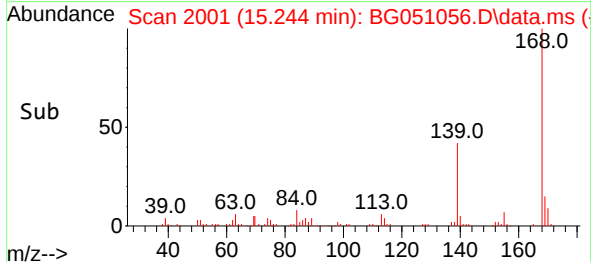
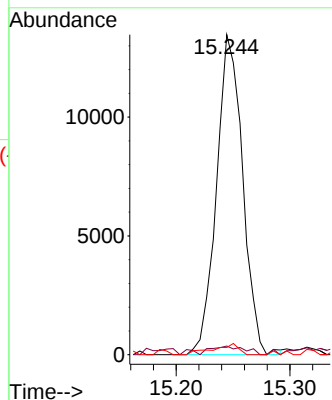
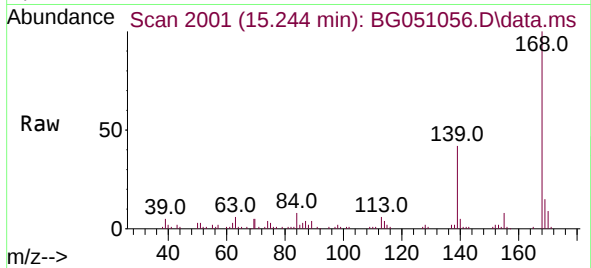




#56
4-Nitrophenol
Concen: 10.981 ng
RT: 15.244 min Scan# 2001
Delta R.T. 0.183 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

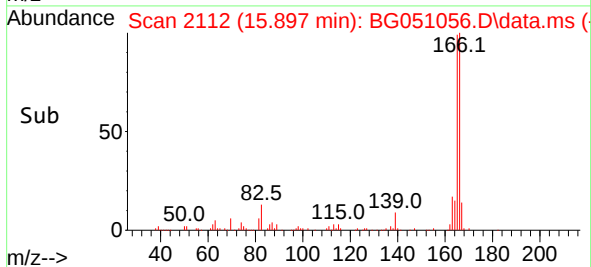
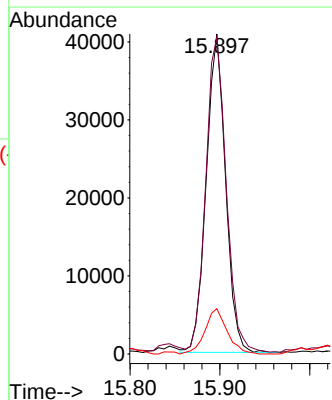
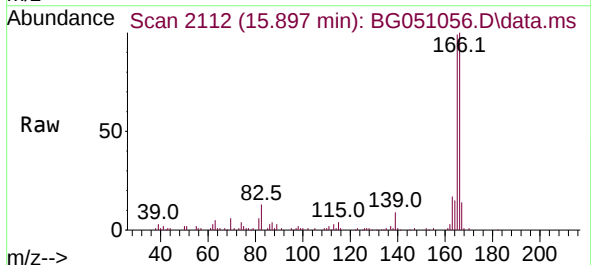
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

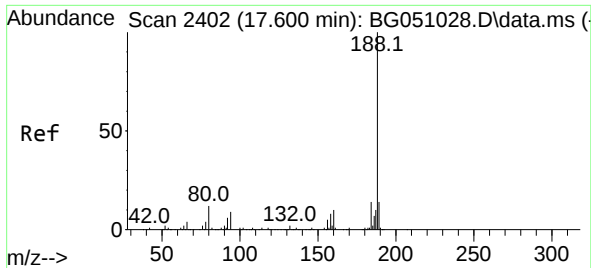
Tgt Ion:139 Resp: 21530
Ion Ratio Lower Upper
139 100
109 2.7 116.3 156.3#
65 2.2 105.0 145.0#



#58
Fluorene
Concen: 6.285 ng
RT: 15.897 min Scan# 2112
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:166 Resp: 60969
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 14.2 10.8 16.2

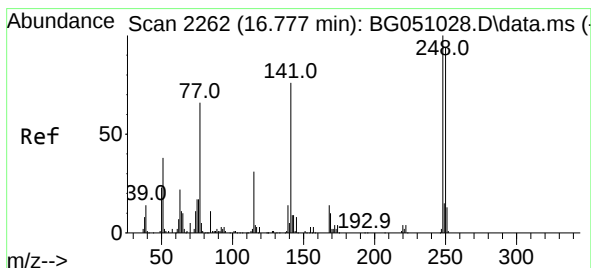
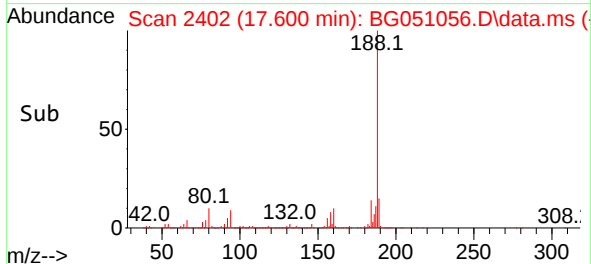
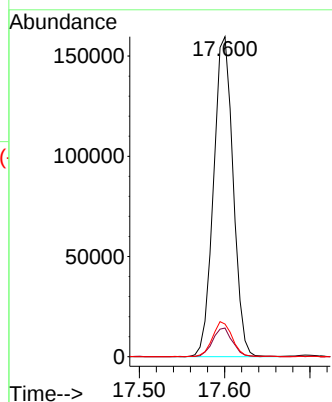
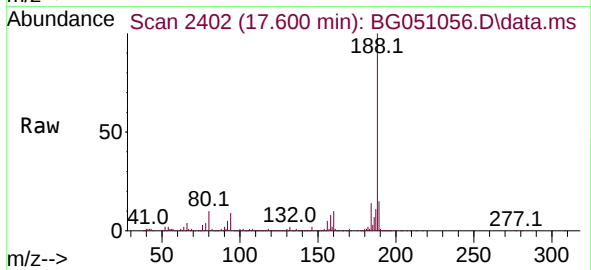




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

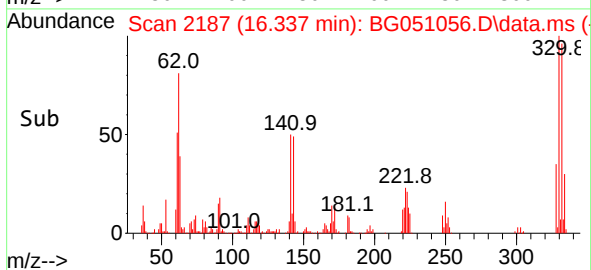
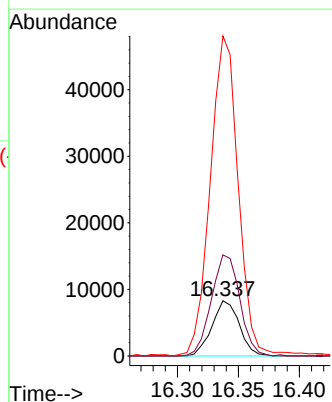
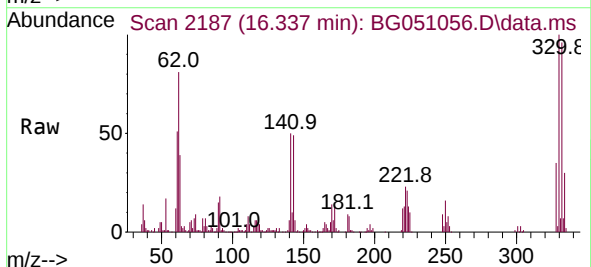
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

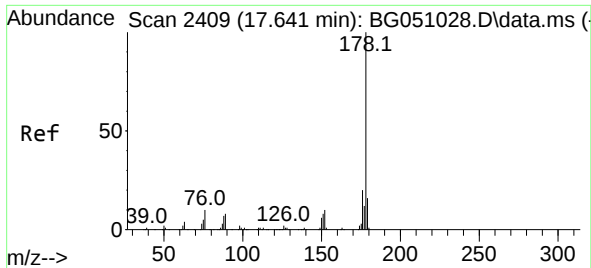
Tgt Ion:188 Resp: 254708
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 10.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.835 ng
RT: 16.337 min Scan# 2187
Delta R.T. -0.440 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:248 Resp: 12899
Ion Ratio Lower Upper
248 100
250 183.4 76.1 114.1#
141 580.0 65.4 98.2#

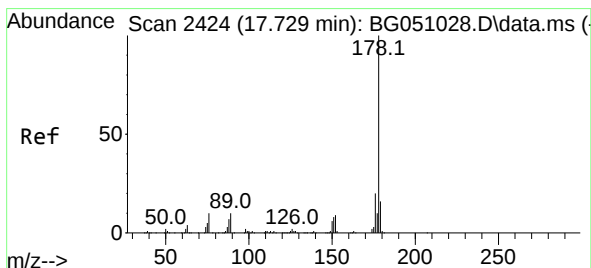
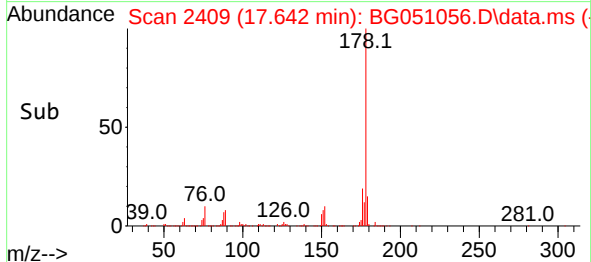
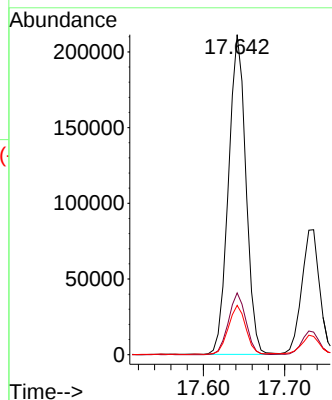
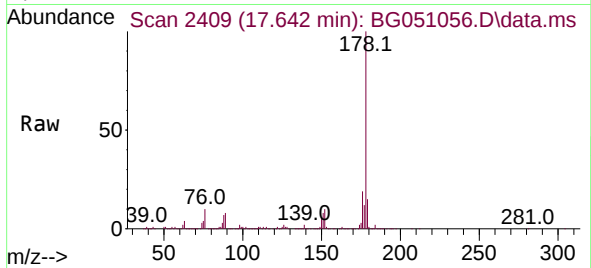




#71
Phenanthrene
Concen: 23.185 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

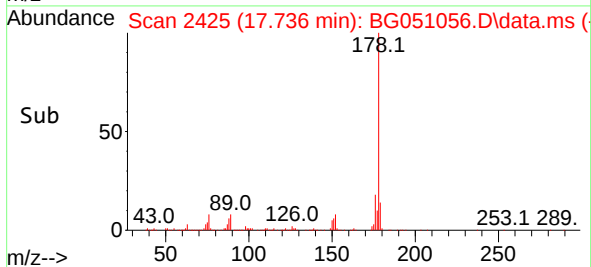
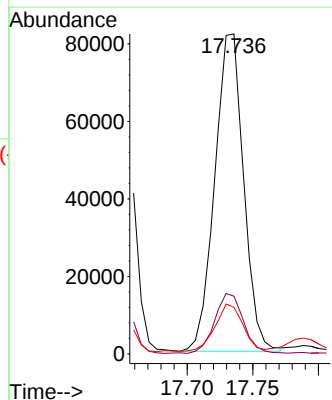
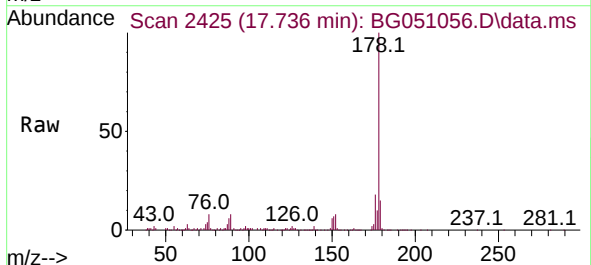
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

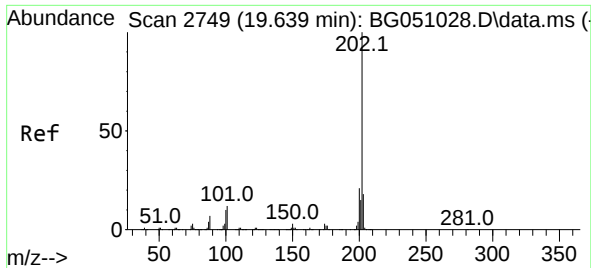
Tgt Ion:178 Resp: 314992
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 14.2 21.4



#72
Anthracene
Concen: 9.260 ng
RT: 17.736 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:178 Resp: 125120
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 14.6 13.4 20.0

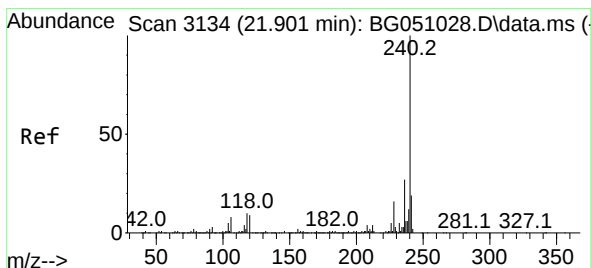
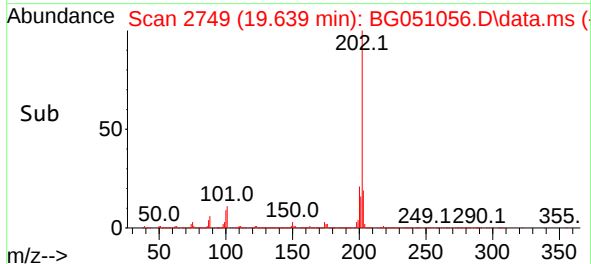
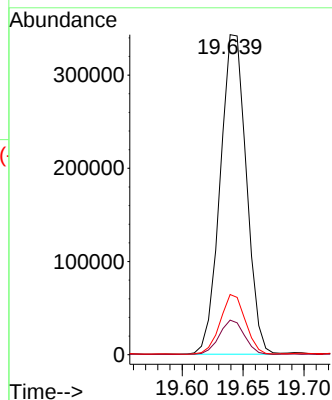
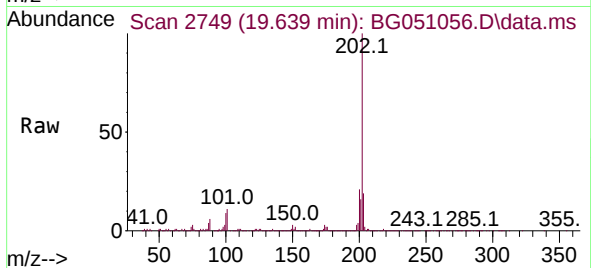




#75
Fluoranthene
Concen: 30.772 ng
RT: 19.639 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

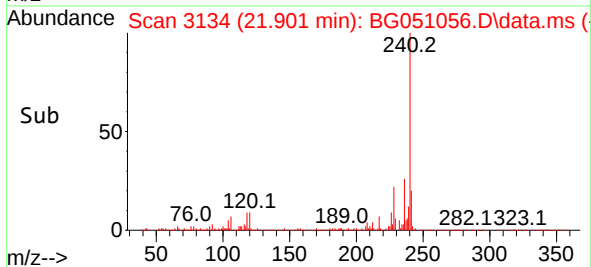
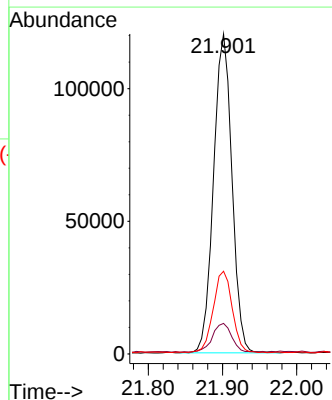
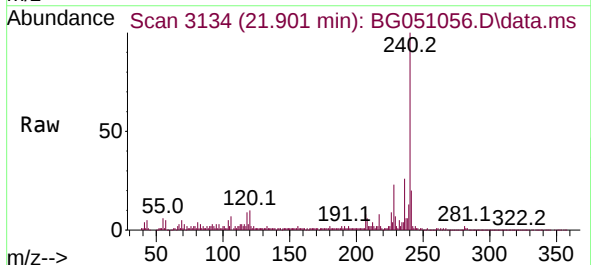
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

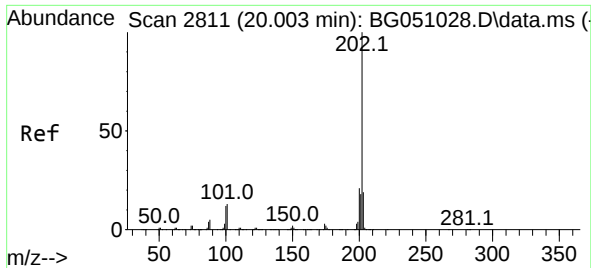
Tgt Ion:202 Resp: 512925
Ion Ratio Lower Upper
202 100
101 10.8 0.0 24.7
203 18.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.901 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:240 Resp: 206852
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 25.9 21.8 32.6

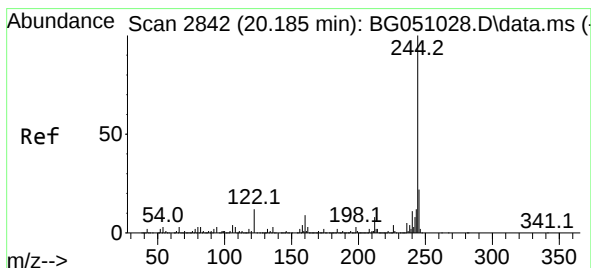
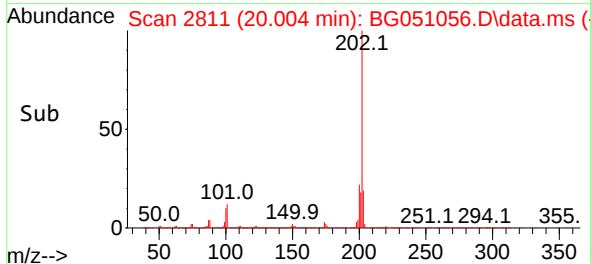
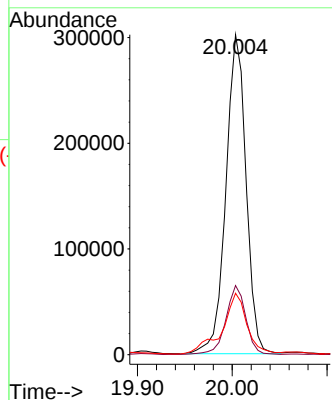
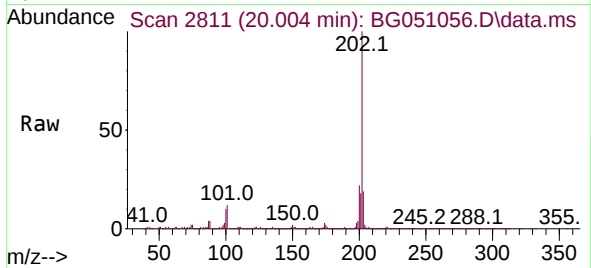




#78
Pyrene
Concen: 28.801 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

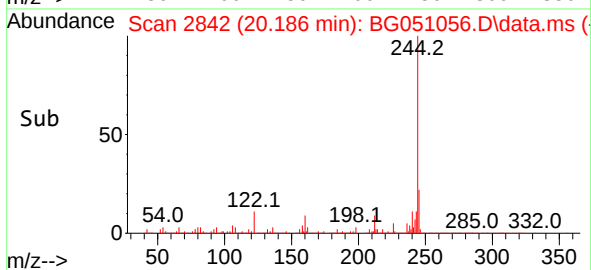
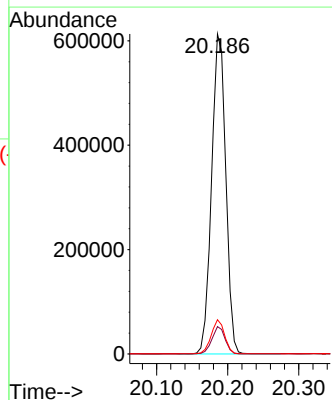
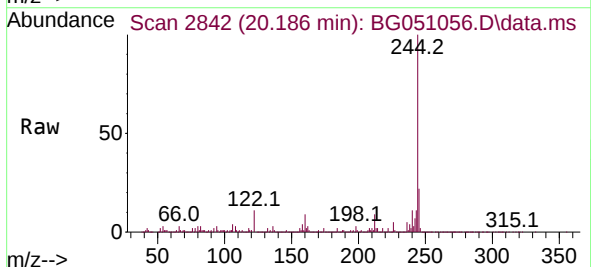
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

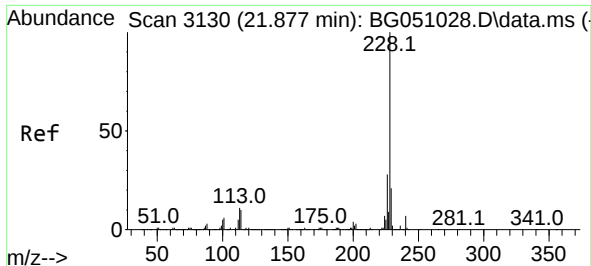
Tgt Ion:202 Resp: 446936
Ion Ratio Lower Upper
202 100
200 21.6 15.8 23.8
203 19.2 14.6 21.8



#79
Terphenyl-d14
Concen: 75.164 ng
RT: 20.186 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:244 Resp: 849706
Ion Ratio Lower Upper
244 100
212 8.6 6.9 10.3
122 10.7 5.0 7.6#

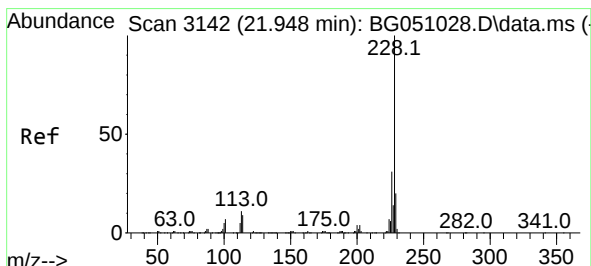
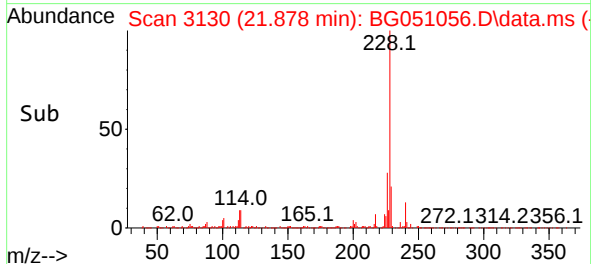
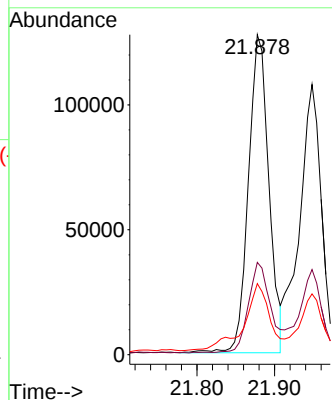
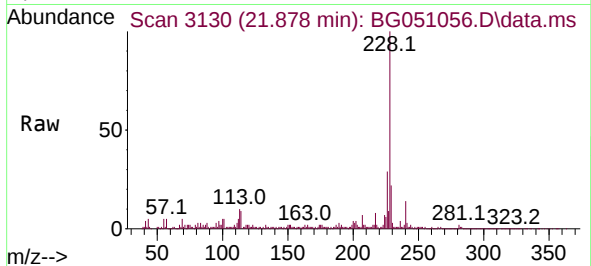




#81
Benzo(a)anthracene
Concen: 16.416 ng
RT: 21.878 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

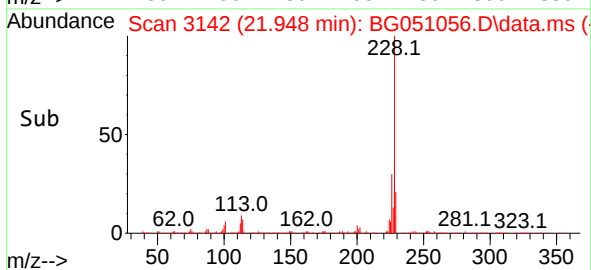
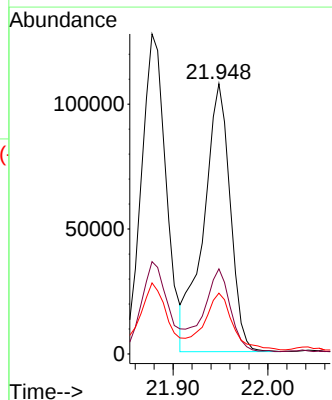
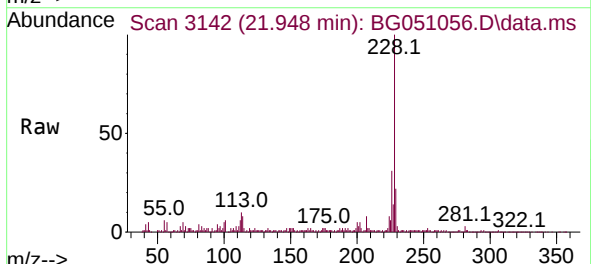
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

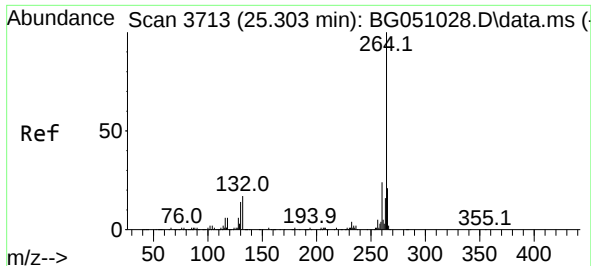
Tgt Ion:228 Resp: 233164
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 22.2 16.0 24.0



#83
Chrysene
Concen: 15.712 ng
RT: 21.948 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:228 Resp: 210520
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 22.5 15.3 22.9



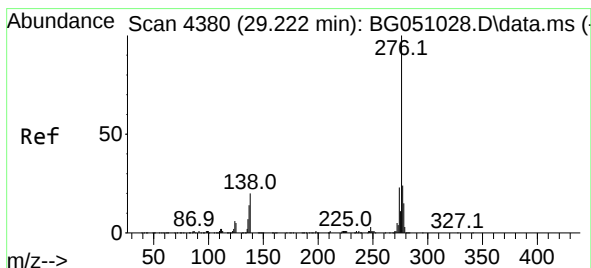
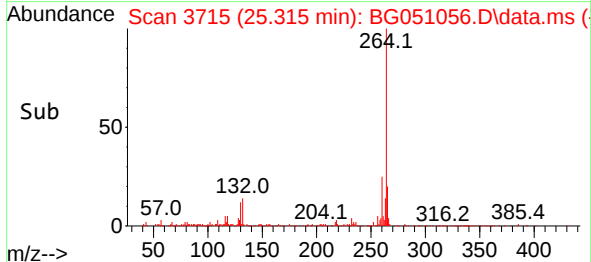
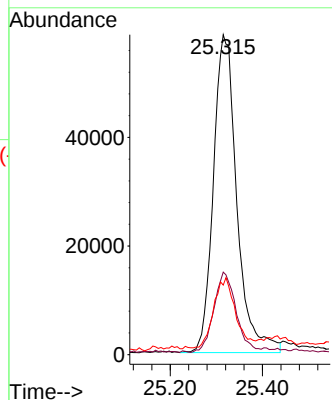
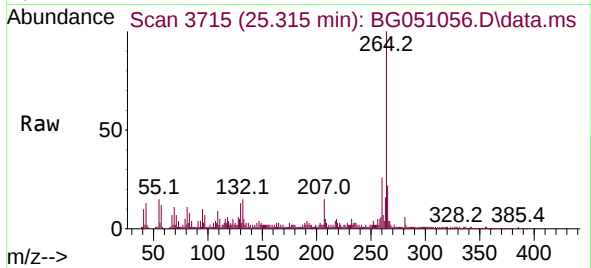


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.315 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :
BNA_G
ClientSampleId :
HD-02-111121

Tgt Ion:264 Resp: 206697

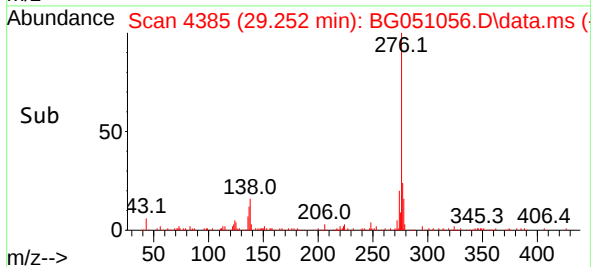
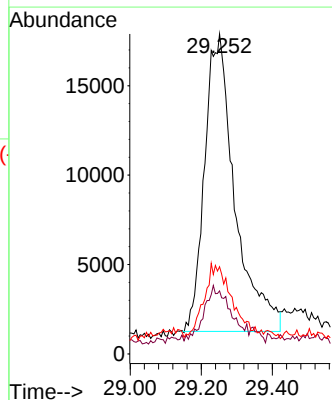
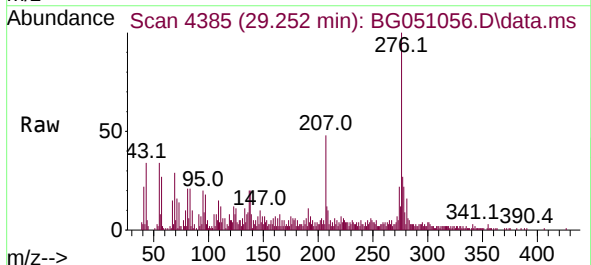
Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.4	29.2
265	21.8	16.9	25.3

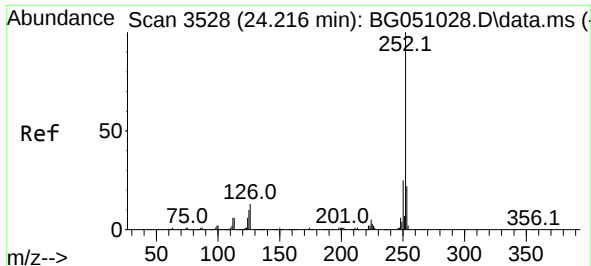


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.709 ng
RT: 29.252 min Scan# 4385
Delta R.T. 0.030 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:276 Resp: 98428

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	0.0	19.8	29.6#

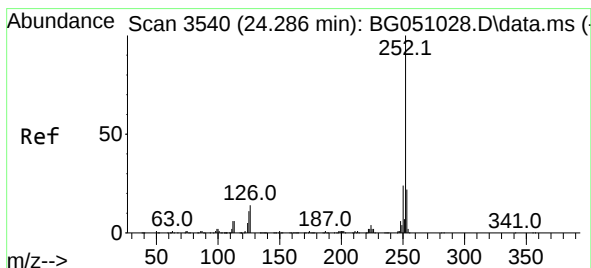
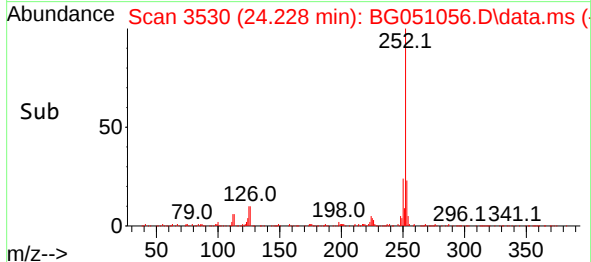
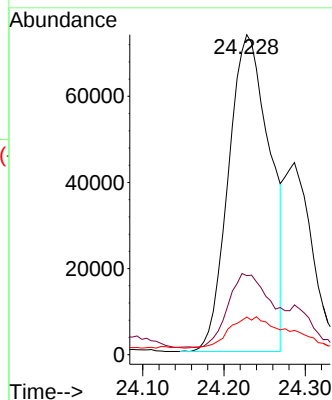
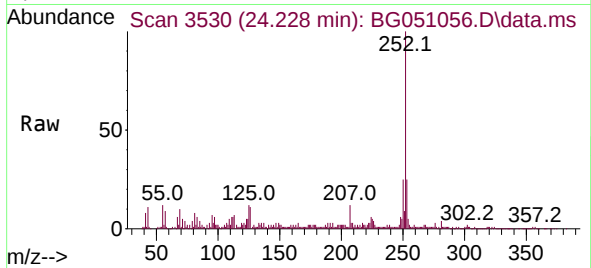




#88
Benzo(b)fluoranthene
Concen: 19.924 ng
RT: 24.228 min Scan# 3530
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

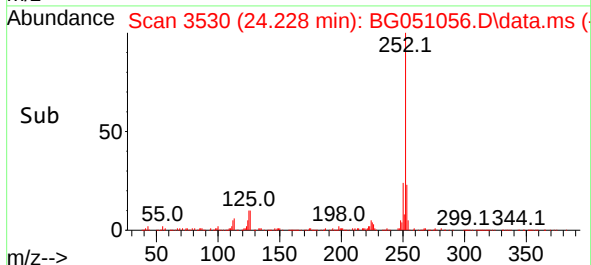
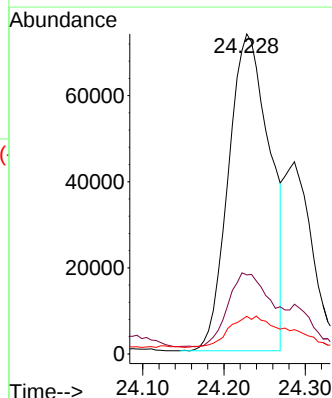
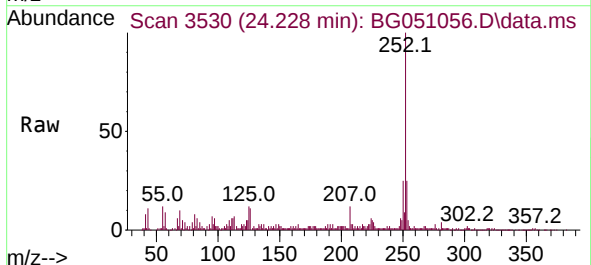
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

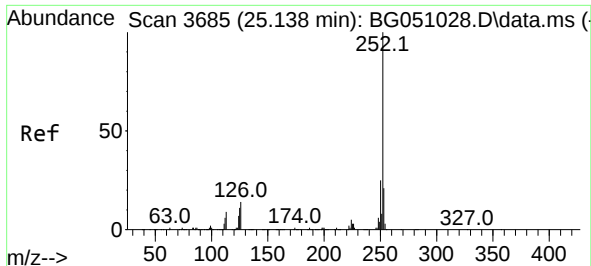
Tgt Ion:252 Resp: 259225
Ion Ratio Lower Upper
252 100
253 24.7 16.2 24.4#
125 11.8 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 19.977 ng
RT: 24.228 min Scan# 3530
Delta R.T. -0.058 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:252 Resp: 259225
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 11.8 3.1 4.7#

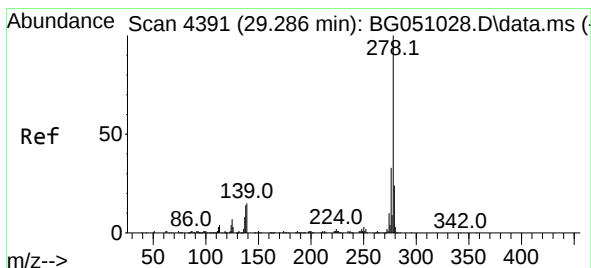
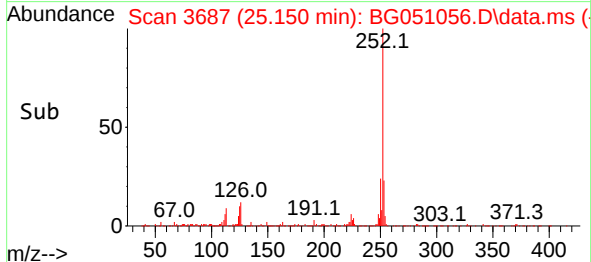
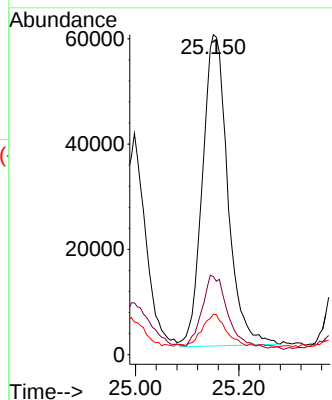
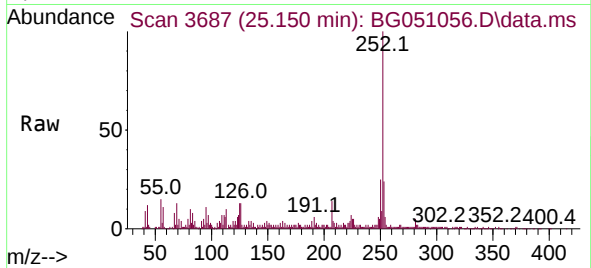




#90
Benzo(a)pyrene
Concen: 18.076 ng
RT: 25.150 min Scan# 30
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

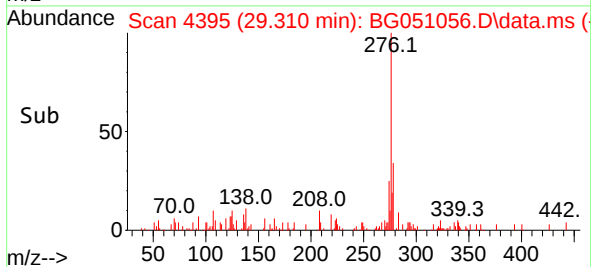
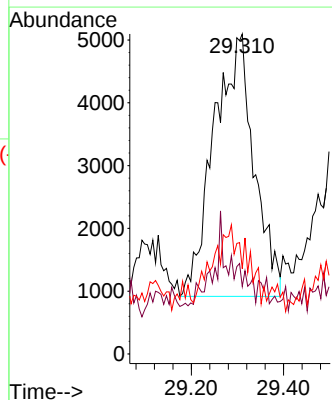
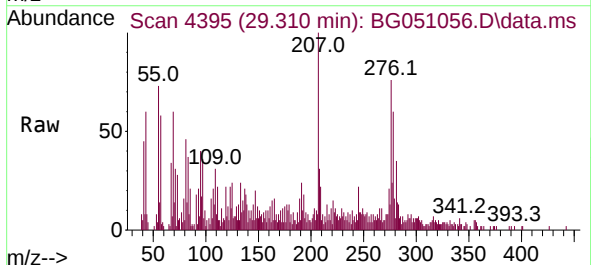
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

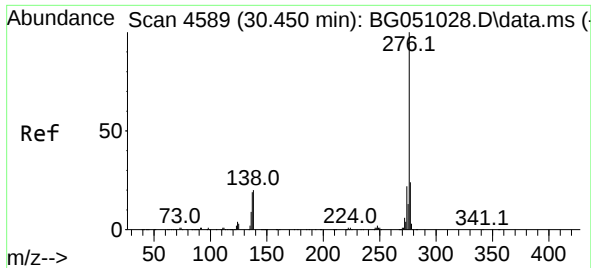
Tgt Ion:252 Resp: 200786
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 12.6 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 2.091 ng
RT: 29.310 min Scan# 4395
Delta R.T. 0.024 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

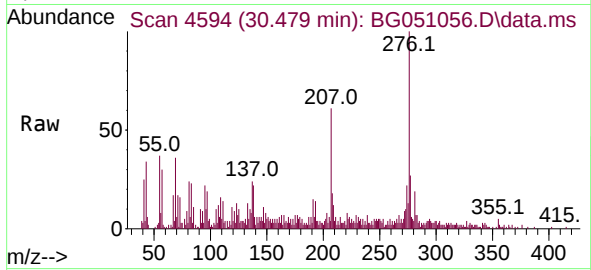
Tgt Ion:278 Resp: 25254
Ion Ratio Lower Upper
278 100
139 21.1 4.6 6.8#
279 26.7 17.9 26.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.212 ng
 RT: 30.479 min Scan# 4
 Delta R.T. 0.030 min
 Lab File: BG051056.D
 Acq: 16 Nov 2021 00:52

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111121



Tgt Ion:276 Resp: 85731
 Ion Ratio Lower Upper
 276 100
 277 27.3 18.4 27.6
 138 21.5 7.0 10.6#

