

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051092.D
 Acq On : 17 Nov 2021 14:56
 Operator : CG/JU
 Sample : M4625-01DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021DL

Quant Time: Nov 17 15:28:58 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)

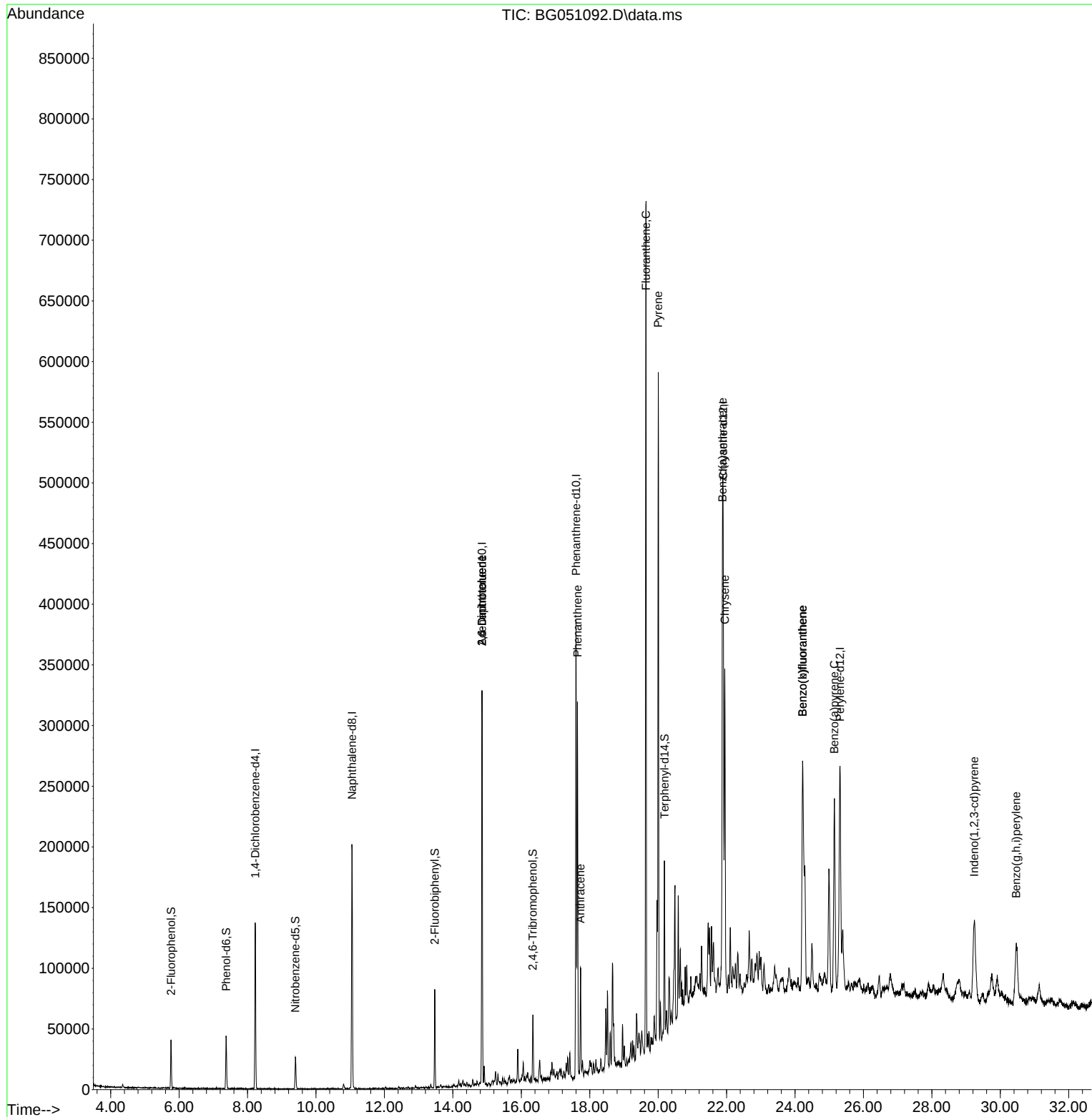
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	38300	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	175683	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	118129	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	238834	20.000	ng	# 0.00
76) Chrysene-d12	21.902	240	193790	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	194841	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	17518	6.842	ng	0.00
7) Phenol-d6	7.372	99	26286	7.274	ng	0.00
23) Nitrobenzene-d5	9.399	82	18209	4.588	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	8337	7.052	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	39936	5.342	ng	0.00
79) Terphenyl-d14	20.186	244	55178	5.210	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.851	165	15518	8.112	ng	# 11
57) 2,4-Dinitrotoluene	14.851	165	15518	5.718	ng	# 16
71) Phenanthrene	17.642	178	186458	14.636	ng	97
72) Anthracene	17.730	178	58370	4.607	ng	98
75) Fluoranthene	19.646	202	449393	28.753	ng	97
78) Pyrene	20.004	202	361977	24.899	ng	99
81) Benzo(a)anthracene	21.879	228	219078	16.464	ng	99
83) Chrysene	21.949	228	195957	15.611	ng	97
87) Indeno(1,2,3-cd)pyrene	29.240	276	117996	8.532	ng	# 92
88) Benzo(b)fluoranthene	24.223	252	246142	20.070	ng	# 94
89) Benzo(k)fluoranthene	24.223	252	246142	20.123	ng	# 96
90) Benzo(a)pyrene	25.151	252	175959	16.805	ng	# 94
92) Benzo(g,h,i)perylene	30.468	276	103061	9.197	ng	# 93

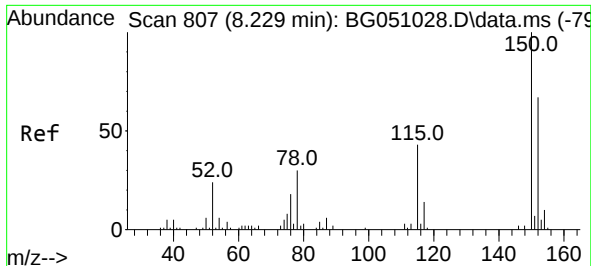
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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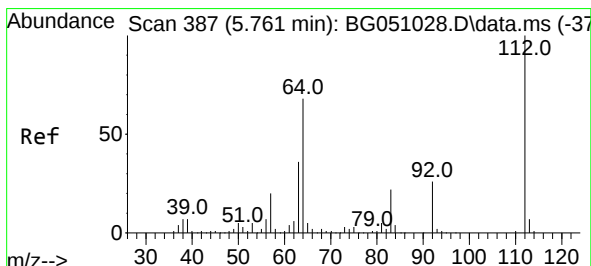
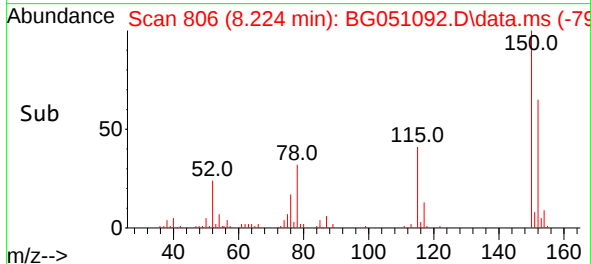
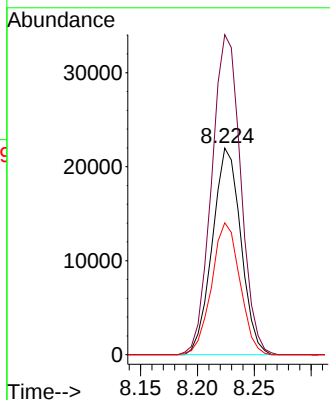
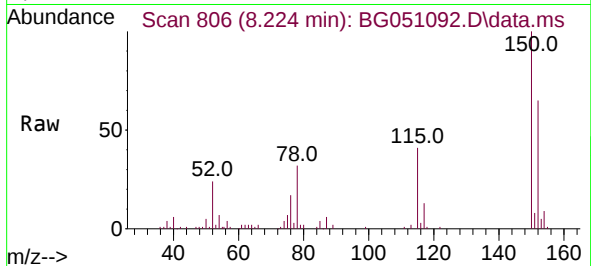




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

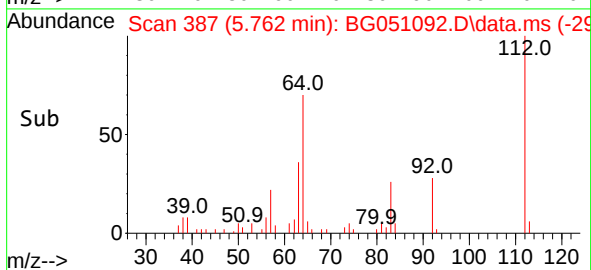
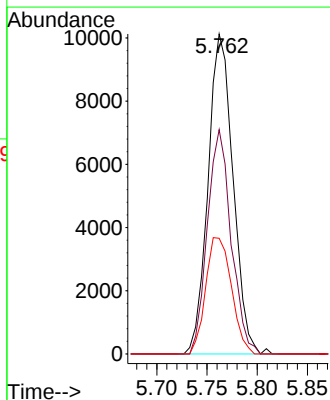
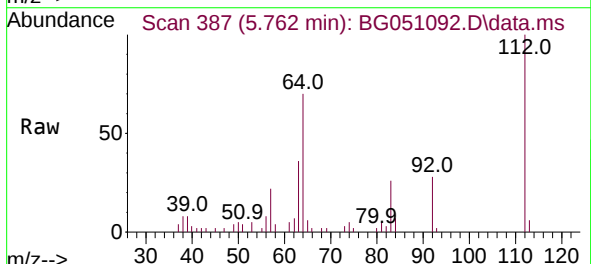
Instrument :
BNA_G
ClientSampleId :
SU-02-111021DL

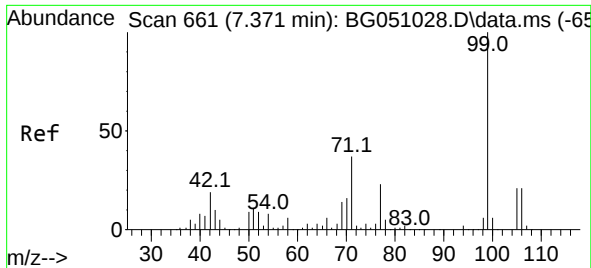
Tgt Ion:152 Resp: 38300
Ion Ratio Lower Upper
152 100
150 154.9 119.4 179.0
115 63.8 60.2 90.4



#5
2-Fluorophenol
Concen: 6.842 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:112 Resp: 17518
Ion Ratio Lower Upper
112 100
64 70.1 46.7 70.1#
63 36.1 35.3 52.9

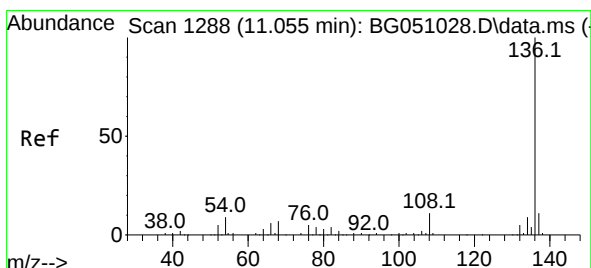
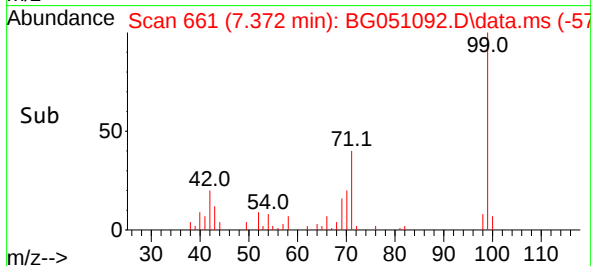
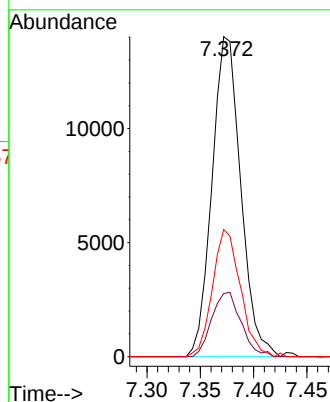
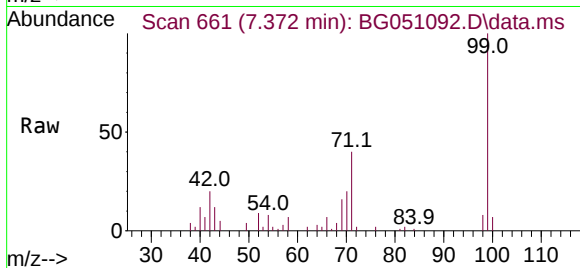




#7
Phenol-d6
Concen: 7.274 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

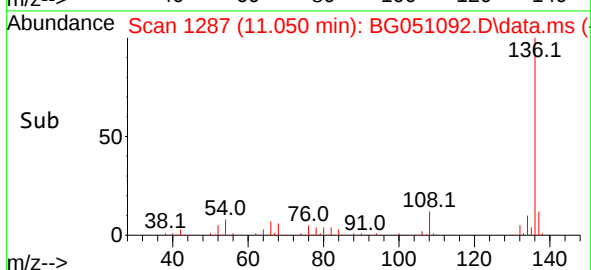
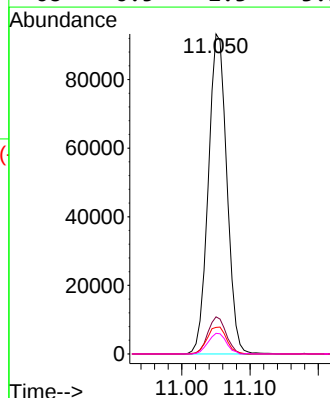
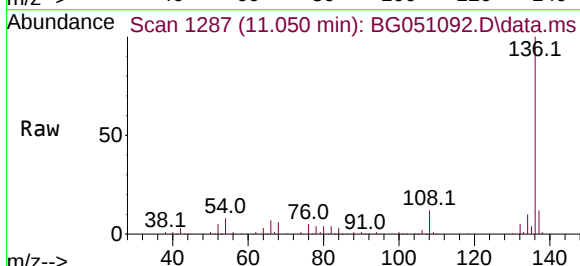
Instrument :
BNA_G
ClientSampleId :
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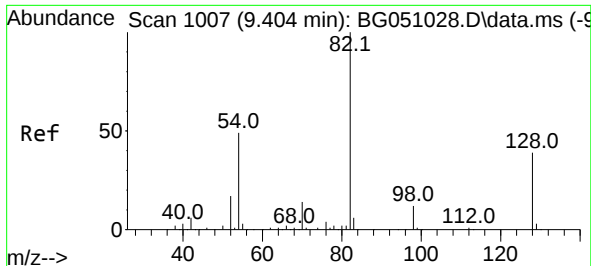
Tgt Ion: 99 Resp: 26286
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 39.7 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion: 136 Resp: 175683
Ion Ratio Lower Upper
136 100
137 11.6 8.2 12.2
54 8.3 5.5 8.3#
68 6.5 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 4.588 ng

RT: 9.399 min Scan# 1006

Delta R.T. -0.005 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

Instrument :

BNA_G

ClientSampleId :

SU-02-111021DL

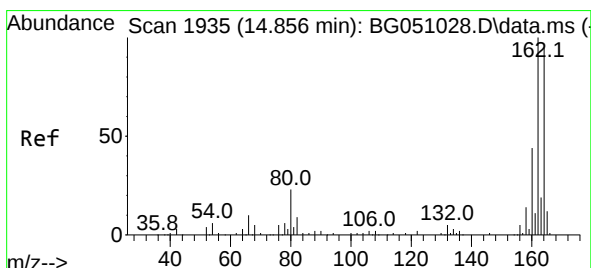
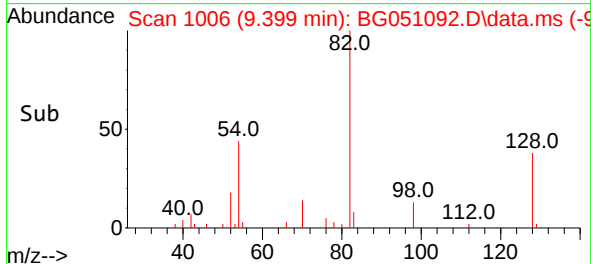
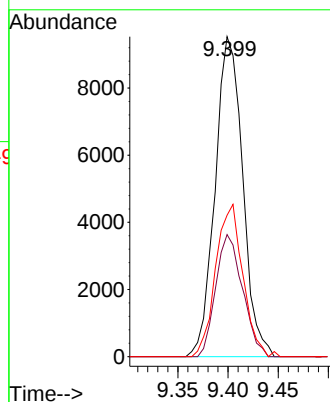
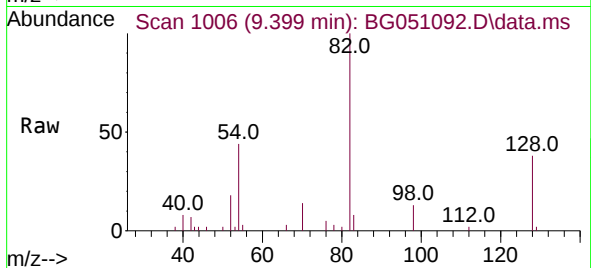
Tgt Ion: 82 Resp: 18209

Ion Ratio Lower Upper

82 100

128 38.2 29.8 44.6

54 44.2 45.8 68.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.851 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

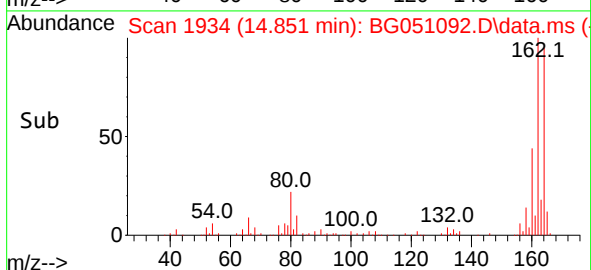
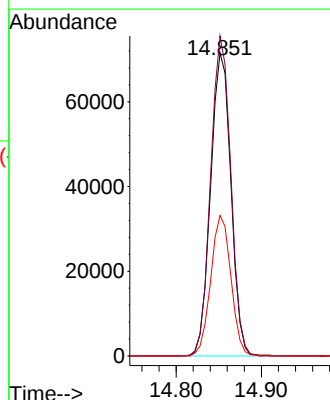
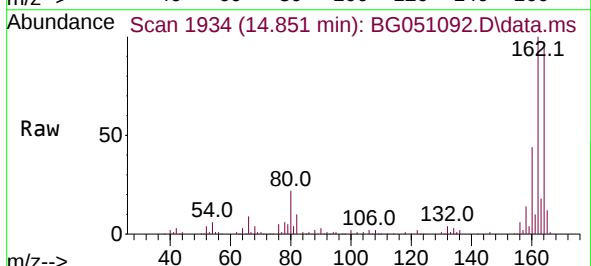
Tgt Ion:164 Resp: 118129

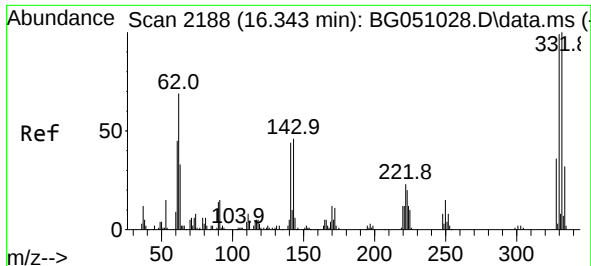
Ion Ratio Lower Upper

164 100

162 105.6 81.4 122.0

160 46.3 34.9 52.3

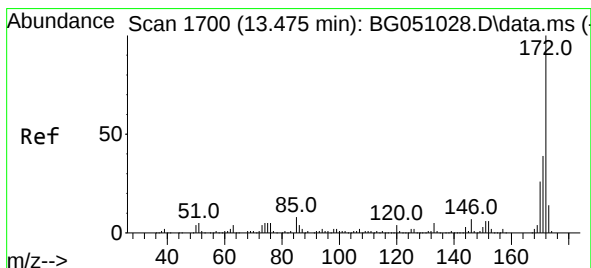
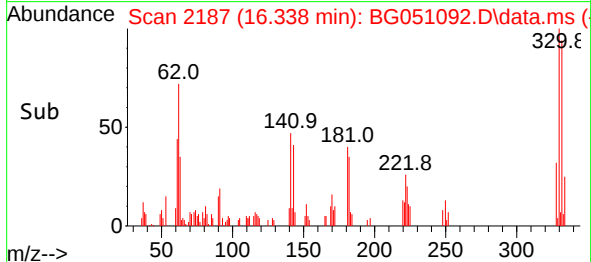
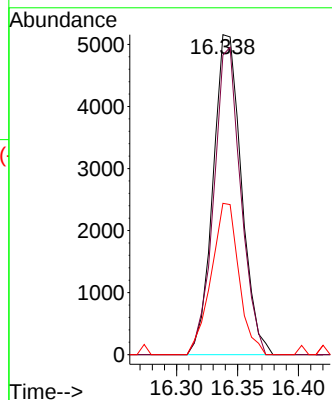
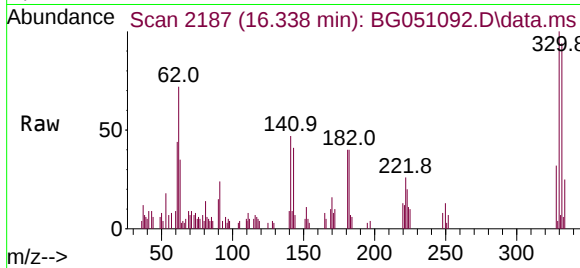




#42
2,4,6-Tribromophenol
Concen: 7.052 ng
RT: 16.338 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

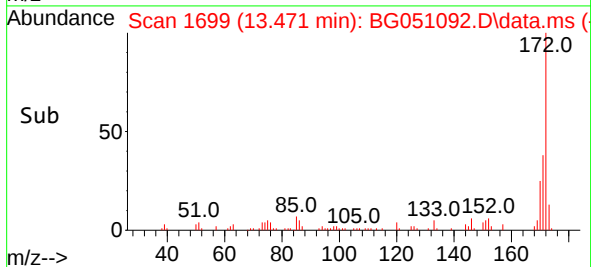
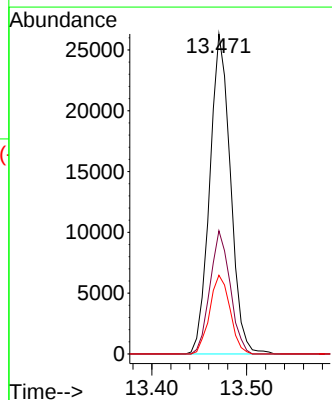
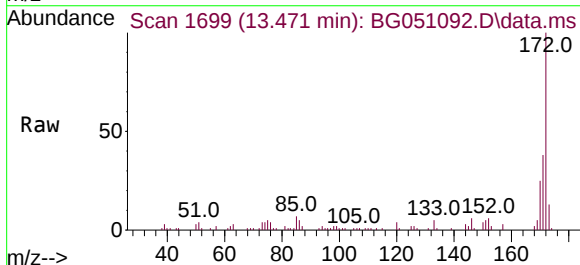
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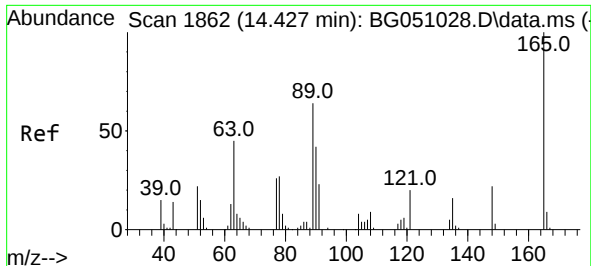
Tgt Ion:330 Resp: 8337
Ion Ratio Lower Upper
330 100
332 91.5 77.3 115.9
141 46.3 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 5.342 ng
RT: 13.471 min Scan# 1699
Delta R.T. -0.004 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:172 Resp: 39936
Ion Ratio Lower Upper
172 100
171 38.5 28.6 43.0
170 24.6 18.6 27.8

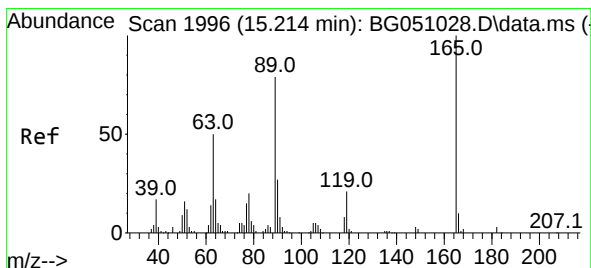
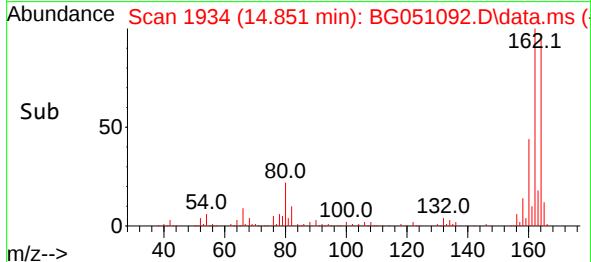
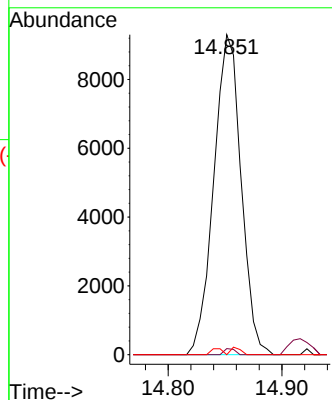
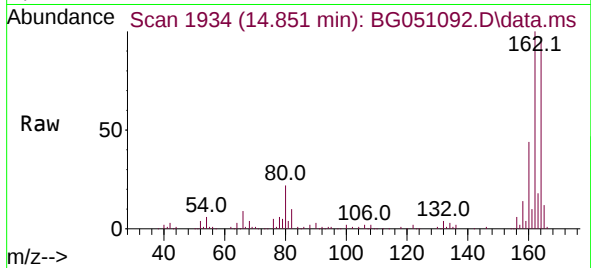




#51
2,6-Dinitrotoluene
Concen: 8.112 ng
RT: 14.851 min Scan# 1934
Delta R.T. 0.424 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

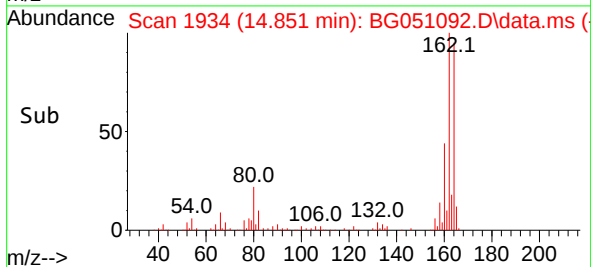
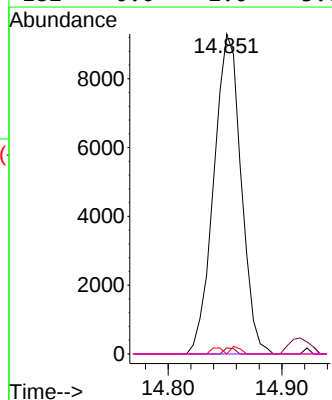
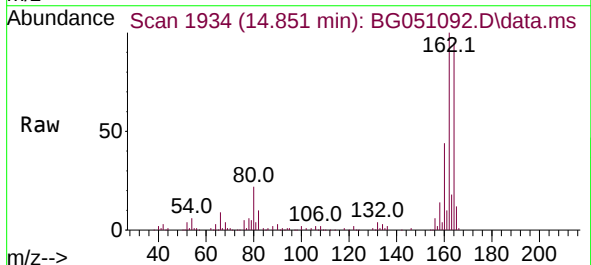
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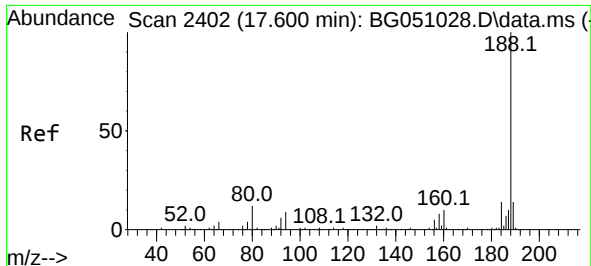
Tgt Ion:165 Resp: 15518
Ion Ratio Lower Upper
165 100
63 1.9 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.718 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.363 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:165 Resp: 15518
Ion Ratio Lower Upper
165 100
63 1.9 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

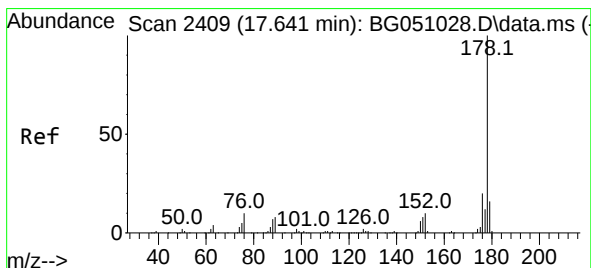
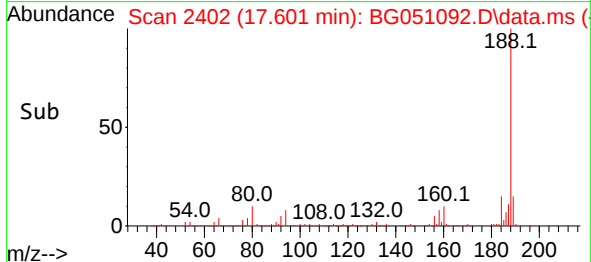
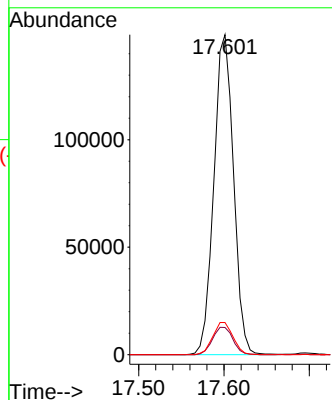
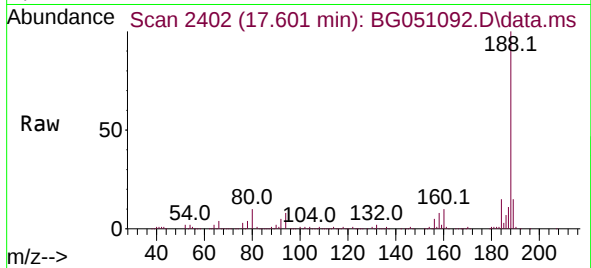




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

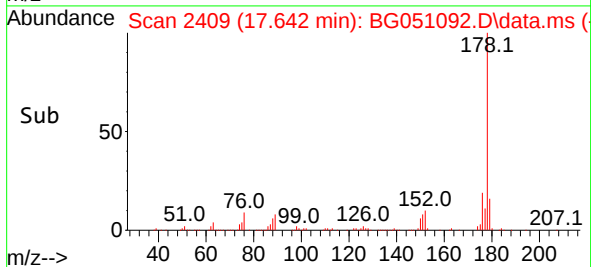
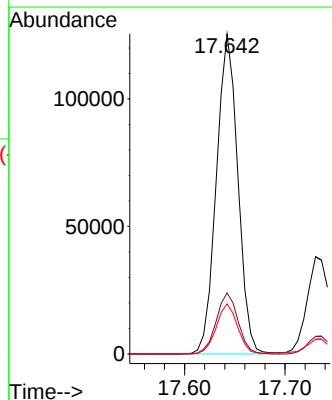
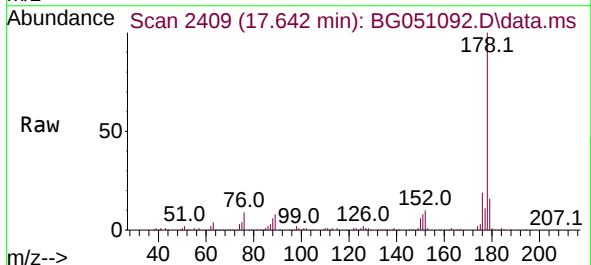
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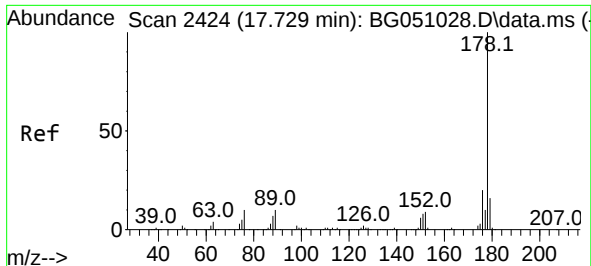
Tgt Ion:188 Resp: 238834
Ion Ratio Lower Upper
188 100
94 8.5 5.4 8.0#
80 10.1 3.7 5.5#



#71
Phenanthrene
Concen: 14.636 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:178 Resp: 186458
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.7 14.2 21.4

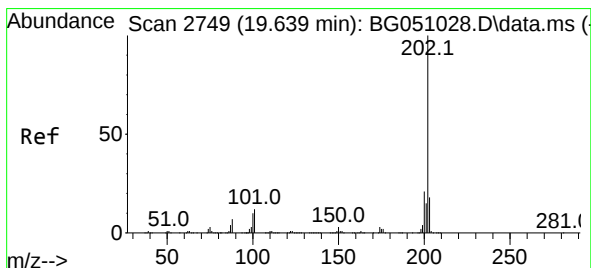
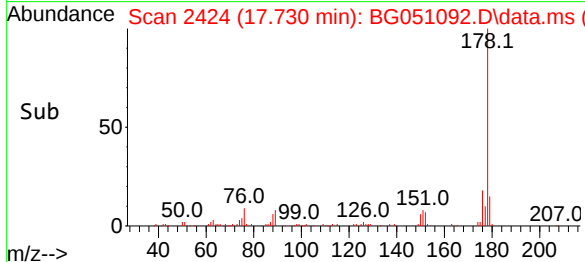
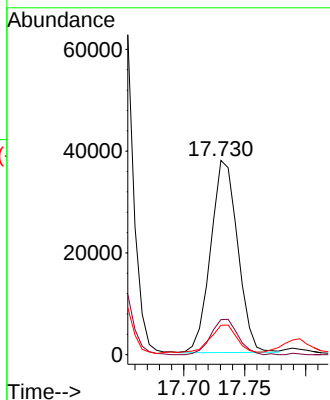
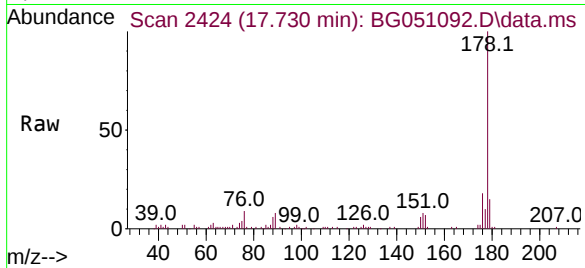




#72
 Anthracene
 Concen: 4.607 ng
 RT: 17.730 min Scan# 24
 Delta R.T. 0.001 min
 Lab File: BG051092.D
 Acq: 17 Nov 2021 14:56

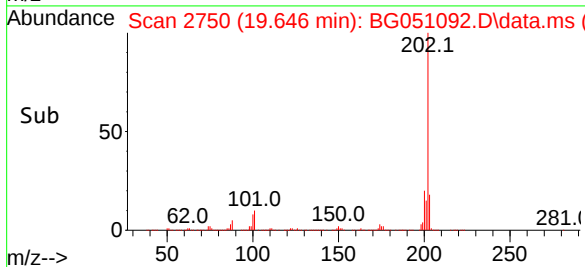
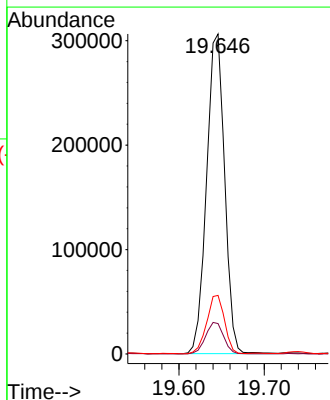
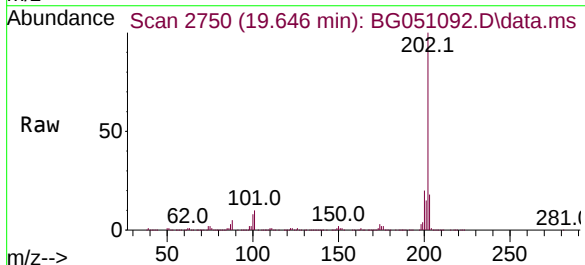
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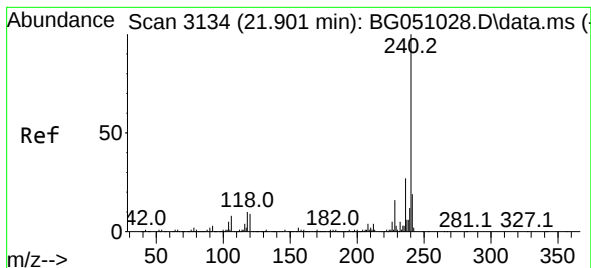
Tgt Ion:178 Resp: 58370
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 15.2 13.4 20.0



#75
 Fluoranthene
 Concen: 28.753 ng
 RT: 19.646 min Scan# 2750
 Delta R.T. 0.007 min
 Lab File: BG051092.D
 Acq: 17 Nov 2021 14:56

Tgt Ion:202 Resp: 449393
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 24.7
 203 18.3 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.902 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

Instrument :

BNA_G

ClientSampleId :

SU-02-111021DL

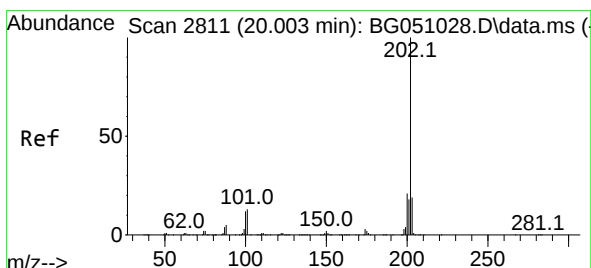
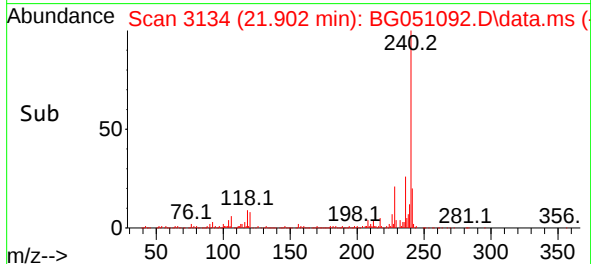
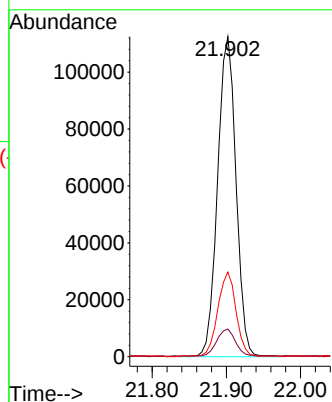
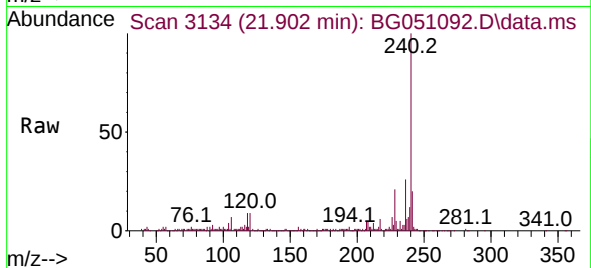
Tgt Ion:240 Resp: 193790

Ion Ratio Lower Upper

240 100

120 8.6 4.2 6.2#

236 26.5 21.8 32.6



#78

Pyrene

Concen: 24.899 ng

RT: 20.004 min Scan# 2811

Delta R.T. 0.001 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

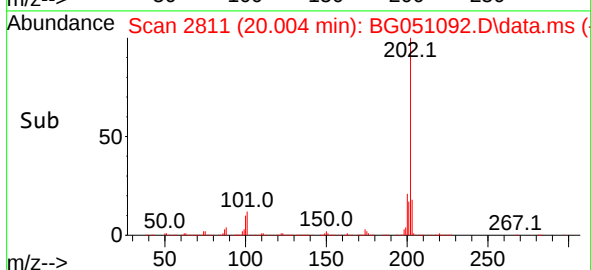
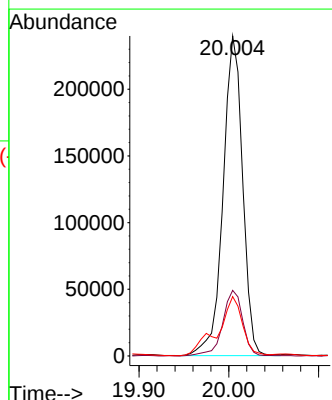
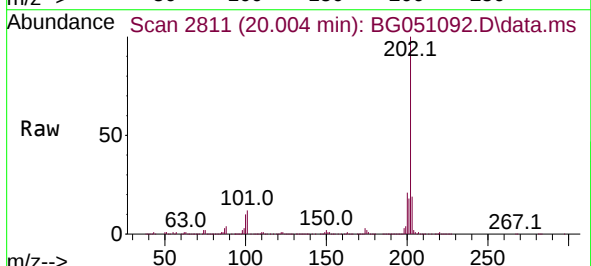
Tgt Ion:202 Resp: 361977

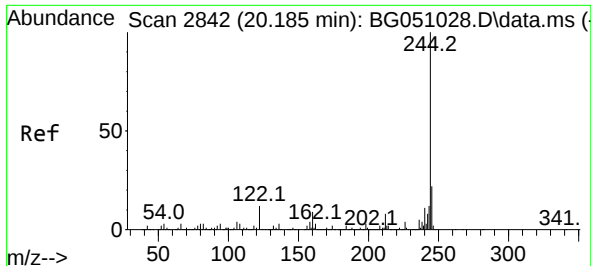
Ion Ratio Lower Upper

202 100

200 20.5 15.8 23.8

203 18.6 14.6 21.8

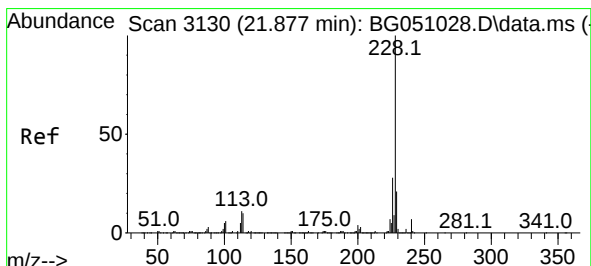
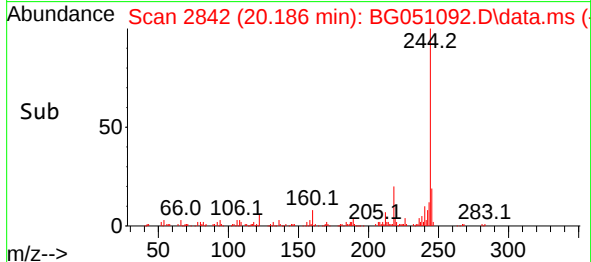
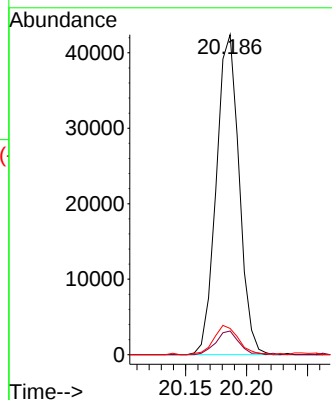
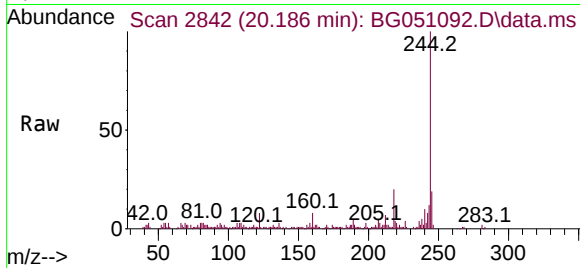




#79
 Terphenyl-d14
 Concen: 5.210 ng
 RT: 20.186 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG051092.D
 Acq: 17 Nov 2021 14:56

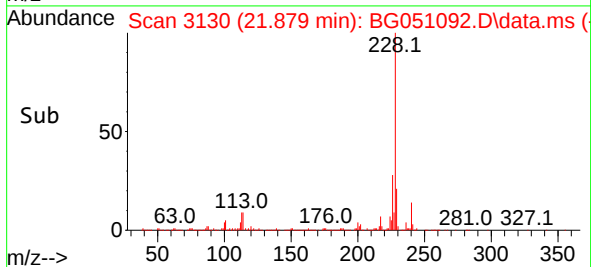
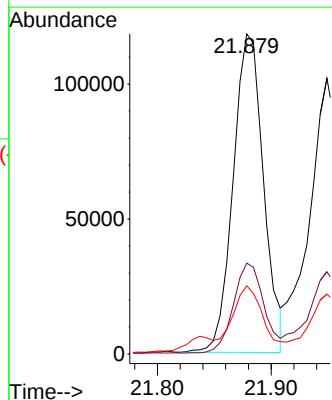
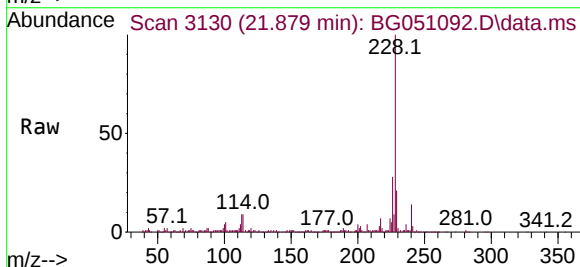
Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111021DL

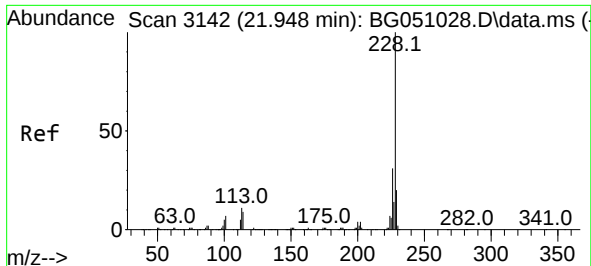
Tgt Ion:244 Resp: 55178
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.9 10.3
 122 8.2 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 16.464 ng
 RT: 21.879 min Scan# 3130
 Delta R.T. 0.001 min
 Lab File: BG051092.D
 Acq: 17 Nov 2021 14:56

Tgt Ion:228 Resp: 219078
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.7 34.1
 229 21.3 16.0 24.0

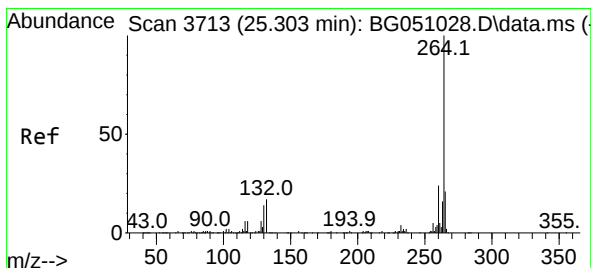
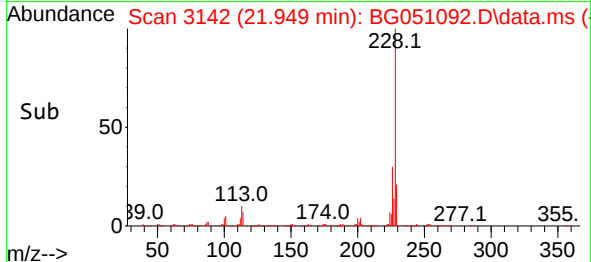
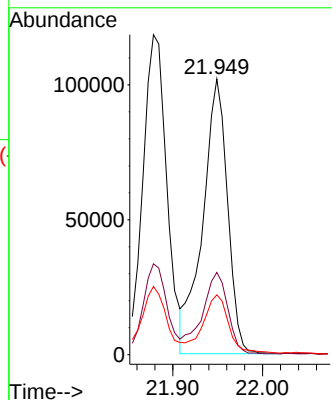
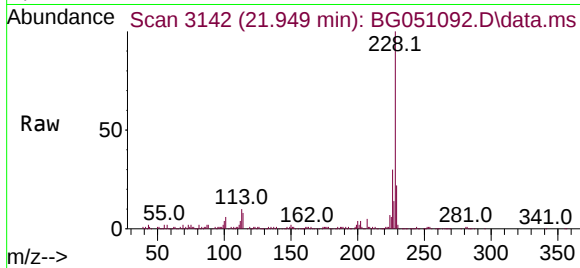




#83
Chrysene
Concen: 15.611 ng
RT: 21.949 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

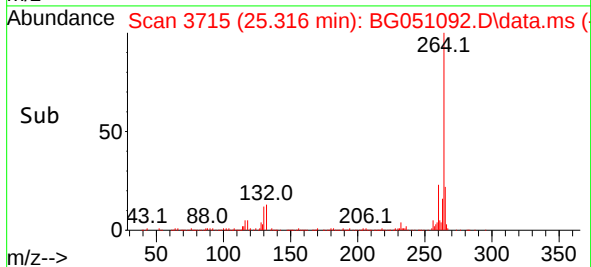
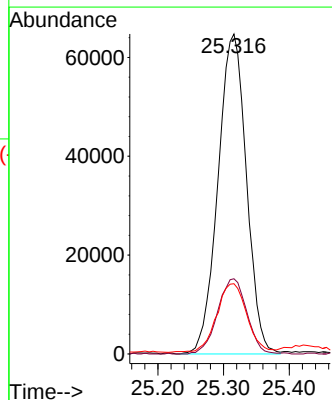
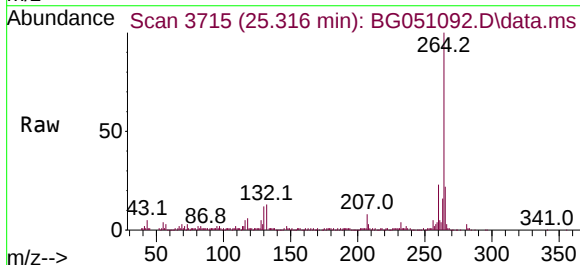
Instrument :
BNA_G
ClientSampleId :
SU-02-111021DL

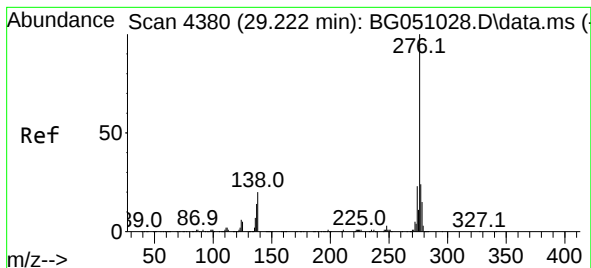
Tgt Ion:228 Resp: 195957
Ion Ratio Lower Upper
228 100
226 29.8 23.1 34.7
229 21.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 3715
Delta R.T. 0.013 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:264 Resp: 194841
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.532 ng

RT: 29.240 min Scan# 41

Delta R.T. 0.019 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

Instrument :

BNA_G

ClientSampleId :

SU-02-111021DL

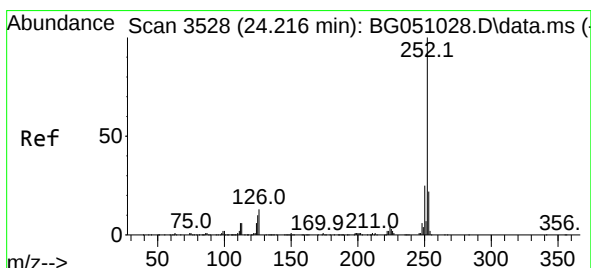
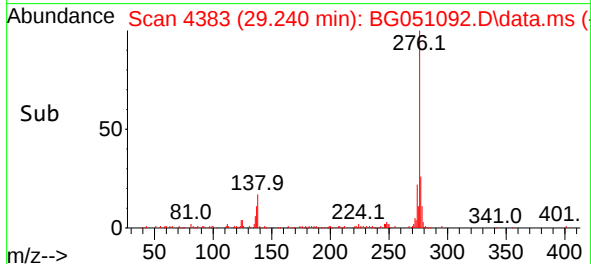
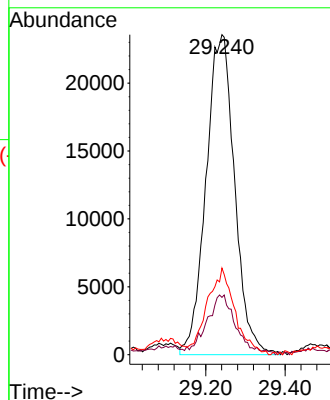
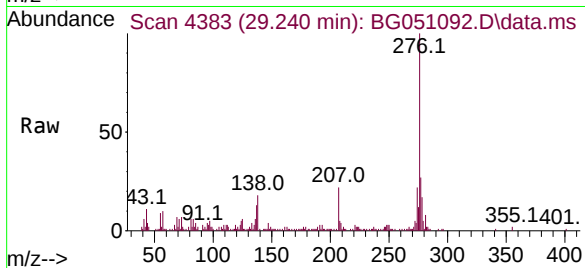
Tgt Ion:276 Resp: 117996

Ion Ratio Lower Upper

276 100

138 16.2 5.1 7.7#

277 26.3 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 20.070 ng

RT: 24.223 min Scan# 3529

Delta R.T. 0.007 min

Lab File: BG051092.D

Acq: 17 Nov 2021 14:56

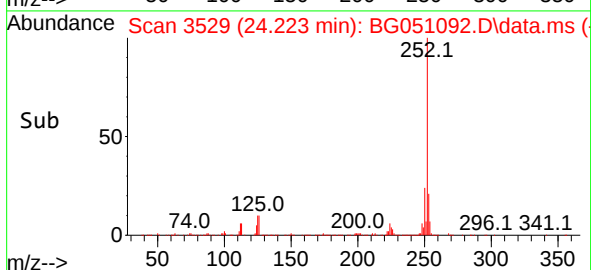
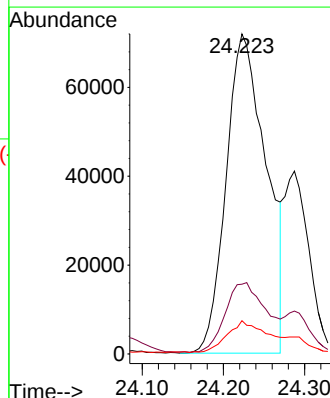
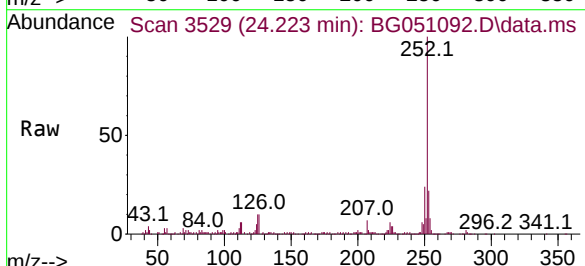
Tgt Ion:252 Resp: 246142

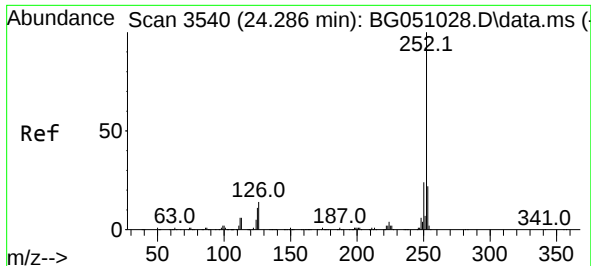
Ion Ratio Lower Upper

252 100

253 21.8 16.2 24.4

125 10.4 3.0 4.4#

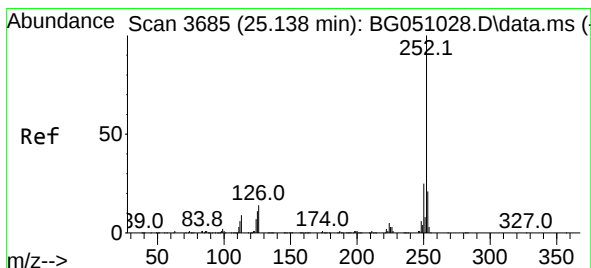
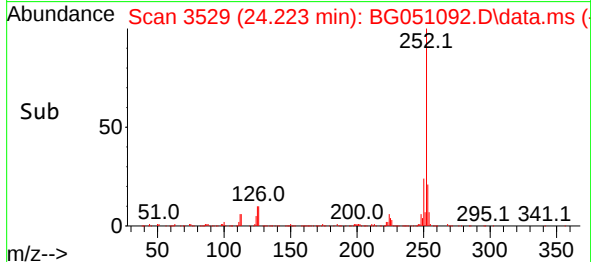
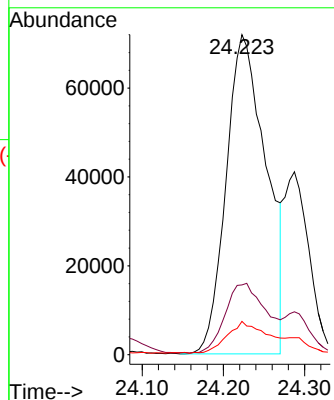
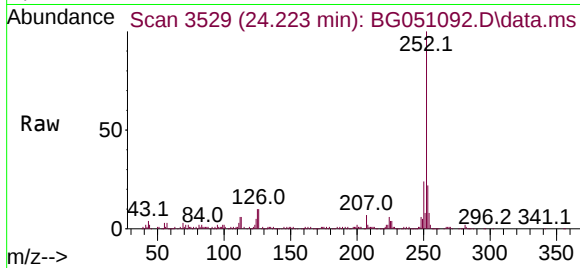




#89
Benzo(k)fluoranthene
Concen: 20.123 ng
RT: 24.223 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

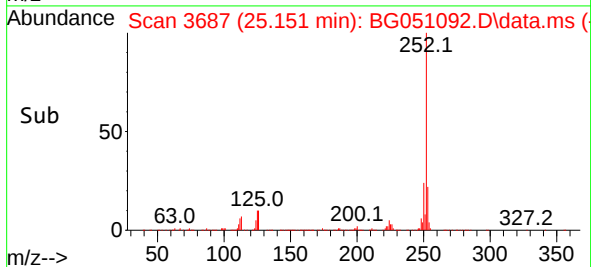
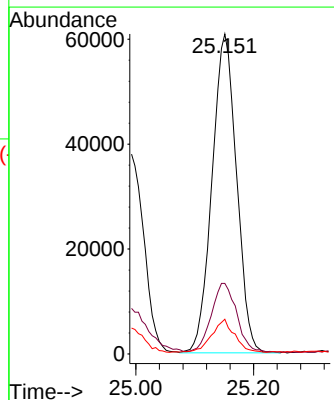
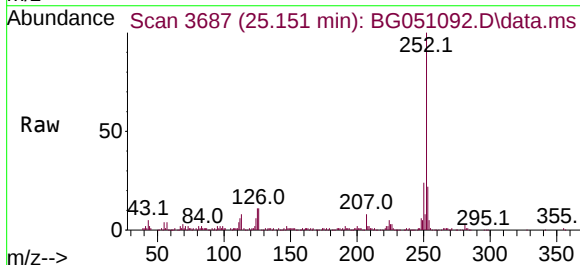
Instrument :
BNA_G
ClientSampleId :
SU-02-111021DL

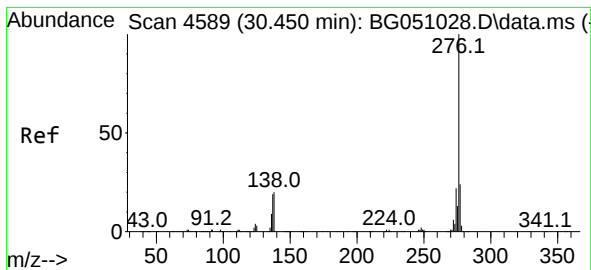
Tgt Ion:252 Resp: 246142
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 10.4 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 16.805 ng
RT: 25.151 min Scan# 3687
Delta R.T. 0.013 min
Lab File: BG051092.D
Acq: 17 Nov 2021 14:56

Tgt Ion:252 Resp: 175959
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 10.8 3.5 5.3#





#92

Benzo(g,h,i)perylene

Concen: 9.197 ng

RT: 30.468 min Scan# 4

Delta R.T. 0.019 min

Lab File: BG051092.D

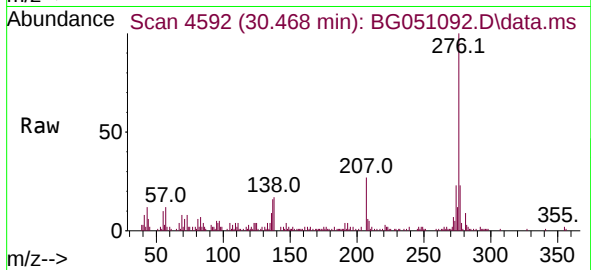
Acq: 17 Nov 2021 14:56

Instrument :

BNA_G

ClientSampleId :

SU-02-111021DL



Tgt Ion:276 Resp: 103061

Ion Ratio Lower Upper

276 100

277 23.4 18.4 27.6

138 16.7 7.0 10.6#

