

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051101.D
 Acq On : 17 Nov 2021 21:06
 Operator : CG/JU
 Sample : M4700-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IMPOUND-LOT-SP-JC-11-15-21

Quant Time: Nov 18 00:04:39 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)

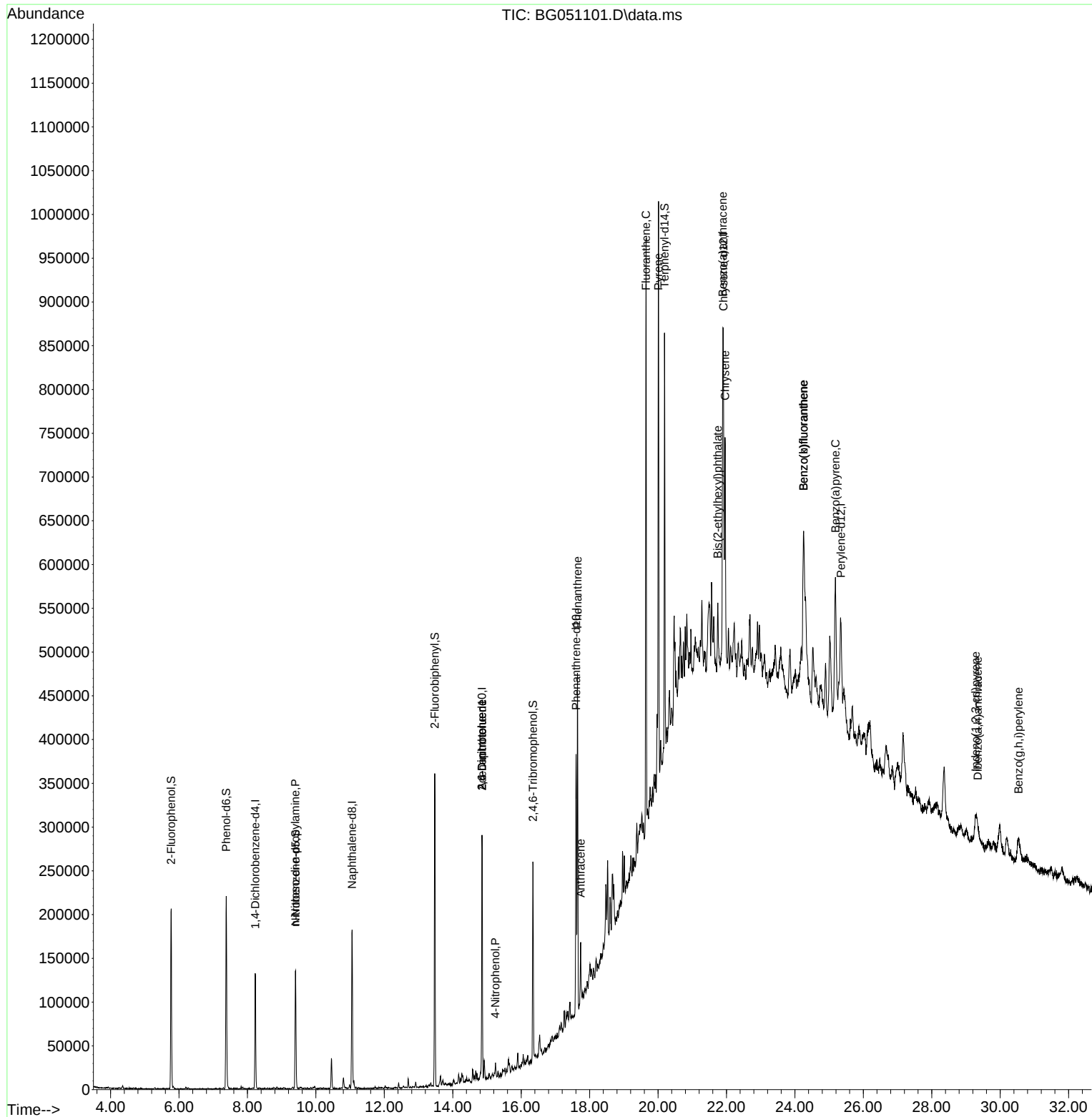
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.226	152	36489	20.000	ng	0.00
21) Naphthalene-d8	11.052	136	158889	20.000	ng	# 0.00
39) Acenaphthene-d10	14.854	164	97951	20.000	ng	0.00
64) Phenanthrene-d10	17.604	188	185849	20.000	ng	# 0.00
76) Chrysene-d12	21.910	240	156273	20.000	ng	# 0.00
86) Perylene-d12	25.342	264	138675	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.770	112	96391	39.516	ng	0.00
7) Phenol-d6	7.380	99	132946	38.615	ng	0.00
23) Nitrobenzene-d5	9.407	82	91006	25.354	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	36976	37.722	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	180039	29.042	ng	0.00
79) Terphenyl-d14	20.189	244	213026	24.943	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.401	70	13001	5.110	ng	# 73
51) 2,6-Dinitrotoluene	14.854	165	13781	8.688	ng	# 11
56) 4-Nitrophenol	15.248	139	3108	2.192	ng	# 3
57) 2,4-Dinitrotoluene	14.854	165	13781	6.123	ng	# 16
71) Phenanthrene	17.645	178	237279	23.935	ng	97
72) Anthracene	17.739	178	47752	4.843	ng	97
75) Fluoranthene	19.648	202	425986	35.026	ng	97
78) Pyrene	20.013	202	425803	36.320	ng	97
81) Benzo(a)anthracene	21.893	228	220998	20.595	ng	98
83) Chrysene	21.963	228	206706	20.420	ng	93
84) Bis(2-ethylhexyl)phtha...	21.746	149	23576	3.323	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.284	276	76744	7.797	ng	# 82
88) Benzo(b)fluoranthene	24.249	252	255609	29.283	ng	# 83
89) Benzo(k)fluoranthene	24.249	252	255609	29.360	ng	# 88
90) Benzo(a)pyrene	25.183	252	170345	22.858	ng	# 87
91) Dibenzo(a,h)anthracene	29.343	278	19934	2.460	ng	# 62
92) Benzo(g,h,i)perylene	30.535	276	74442	9.334	ng	# 85

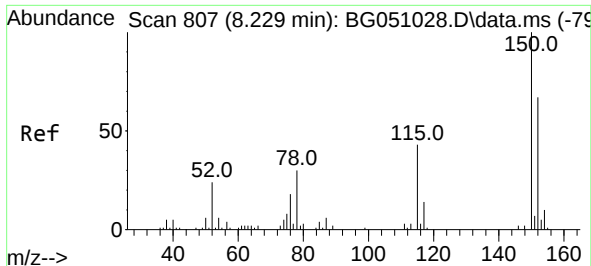
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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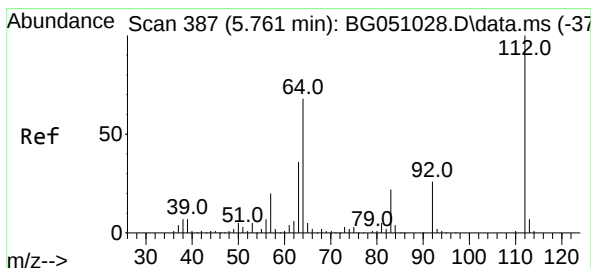
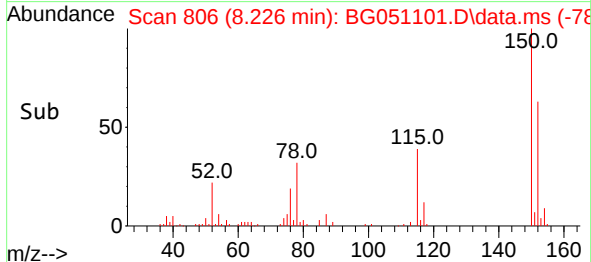
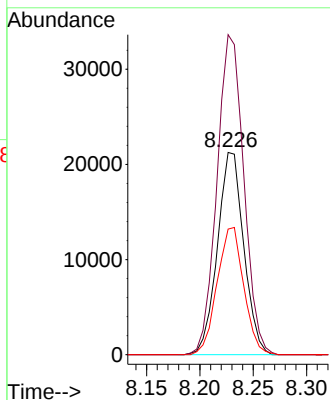
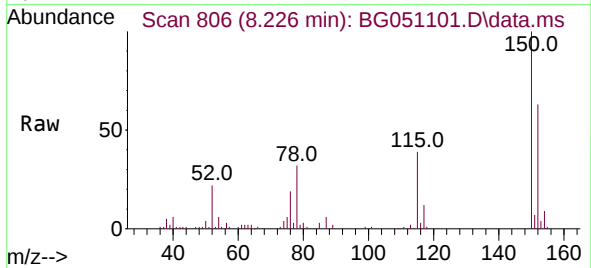




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.226 min Scan# 807
Delta R.T. -0.003 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

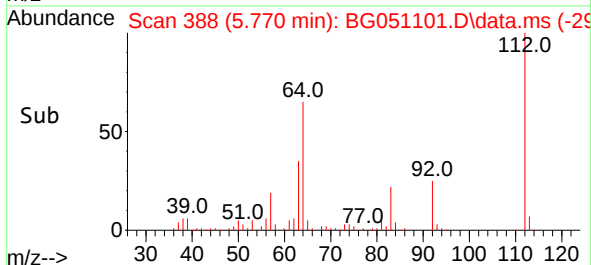
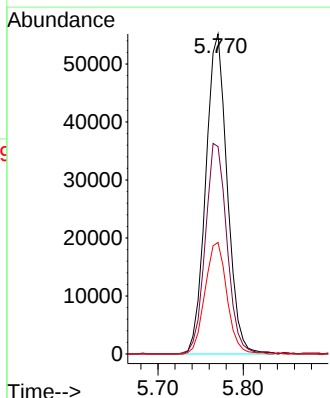
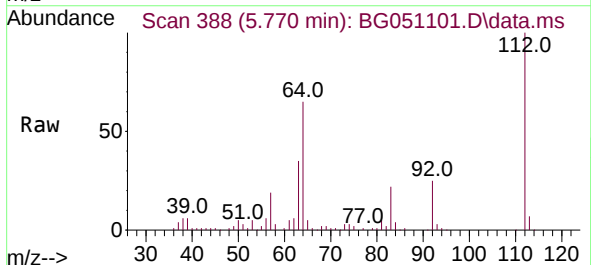
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

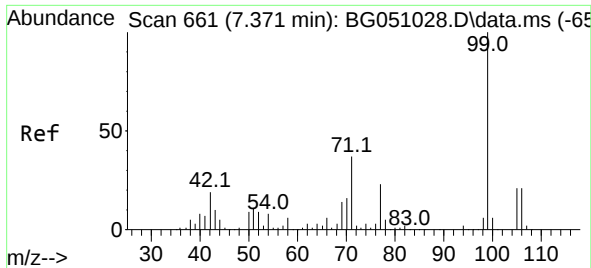
Tgt Ion:152 Resp: 36489
Ion Ratio Lower Upper
152 100
150 158.2 119.4 179.0
115 62.1 60.2 90.4



#5
2-Fluorophenol
Concen: 39.516 ng
RT: 5.770 min Scan# 388
Delta R.T. 0.009 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:112 Resp: 96391
Ion Ratio Lower Upper
112 100
64 64.8 46.7 70.1
63 34.9 35.3 52.9#

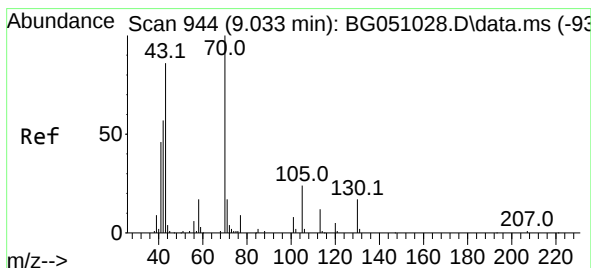
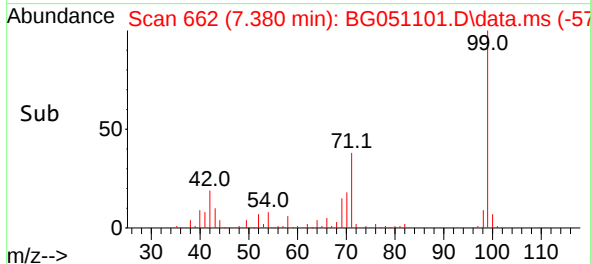
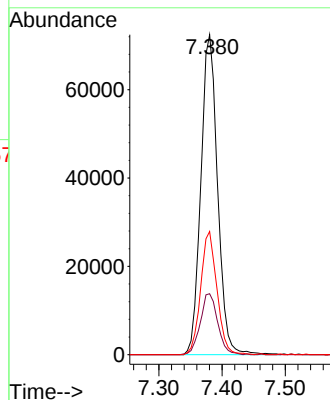
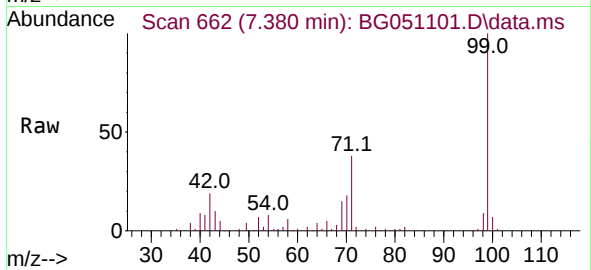




#7
Phenol-d6
Concen: 38.615 ng
RT: 7.380 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

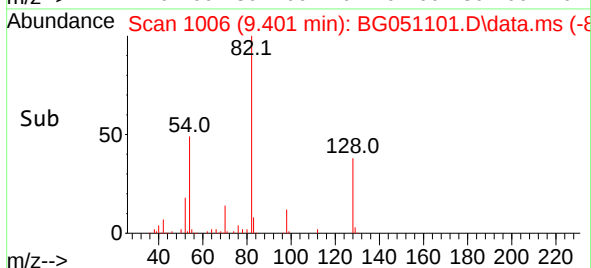
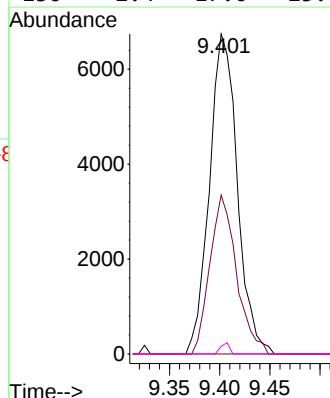
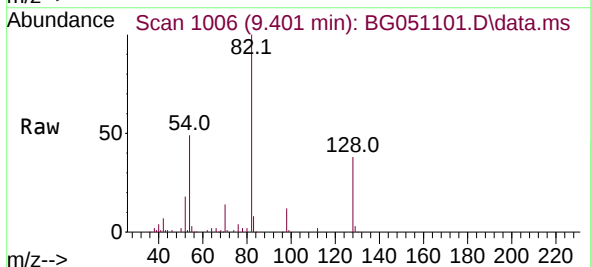
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

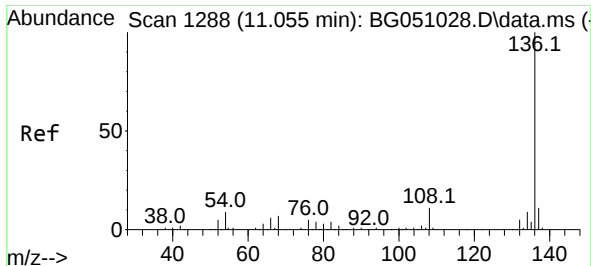
Tgt Ion: 99 Resp: 132946
Ion Ratio Lower Upper
99 100
42 19.1 20.5 30.7#
71 38.5 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 5.110 ng
RT: 9.401 min Scan# 1006
Delta R.T. 0.368 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion: 70 Resp: 13001
Ion Ratio Lower Upper
70 100
42 49.6 54.5 81.7#
101 0.0 9.0 13.6#
130 2.4 17.0 25.6#

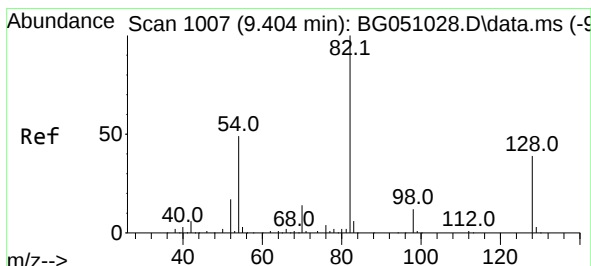
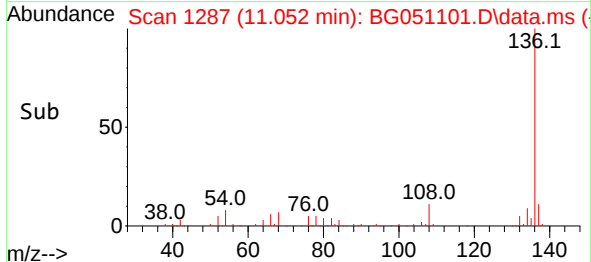
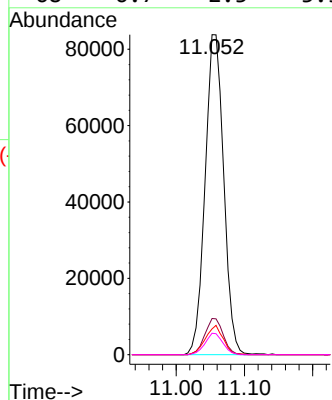
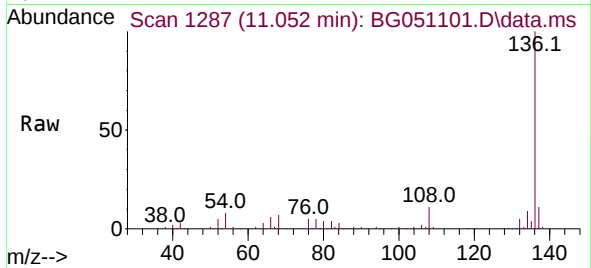




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.052 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

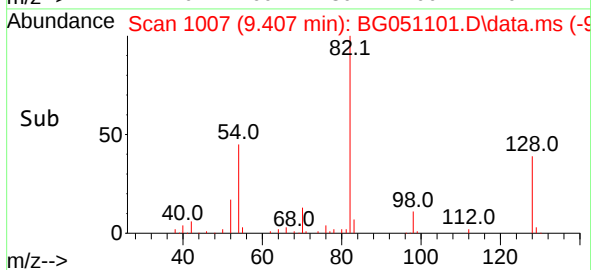
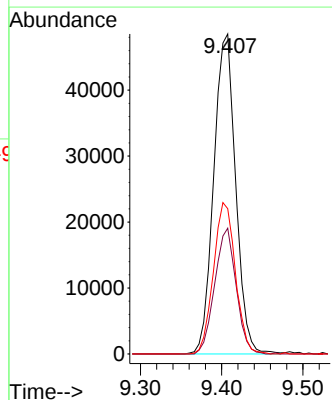
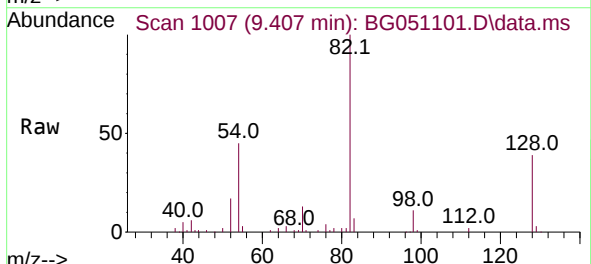
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

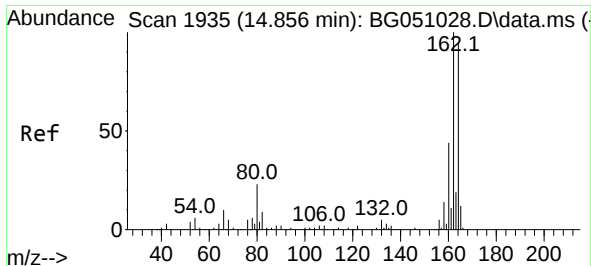
Tgt Ion:136 Resp: 158889
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 8.0 5.5 8.3
68 6.7 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 25.354 ng
RT: 9.407 min Scan# 1007
Delta R.T. 0.003 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion: 82 Resp: 91006
Ion Ratio Lower Upper
82 100
128 39.3 29.8 44.6
54 45.4 45.8 68.8#

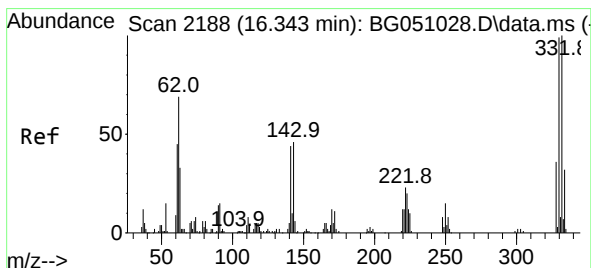
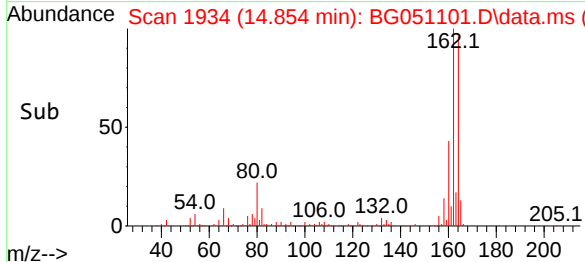
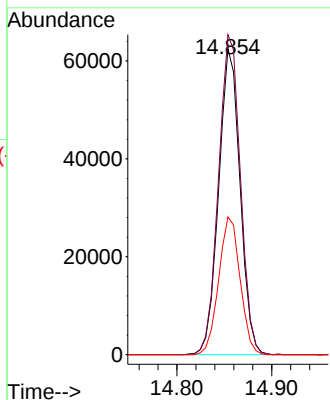
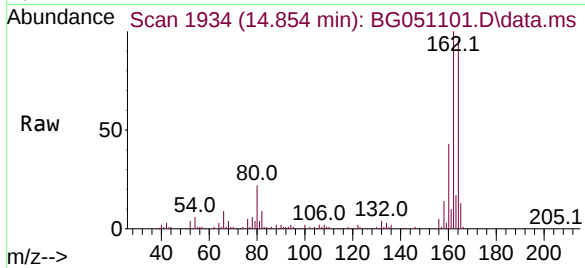




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1935
Delta R.T. -0.002 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

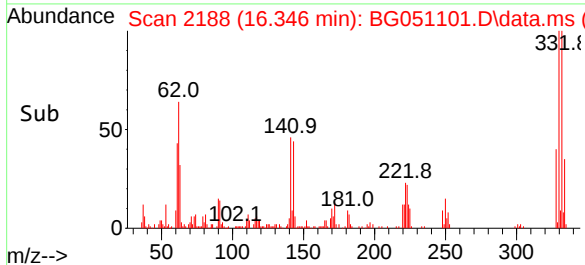
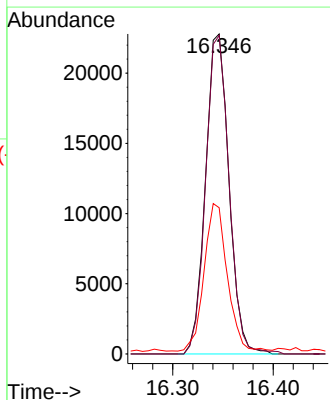
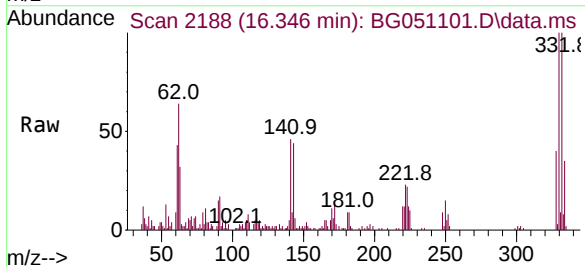
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

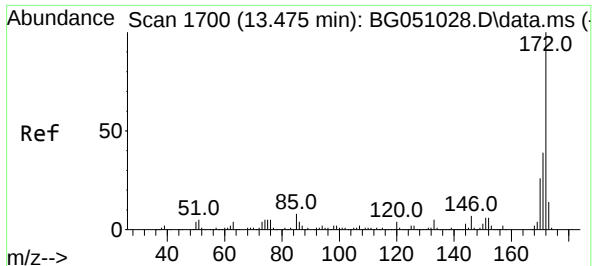
Tgt Ion:164 Resp: 97951
Ion Ratio Lower Upper
164 100
162 104.6 81.4 122.0
160 45.1 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 37.722 ng
RT: 16.346 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:330 Resp: 36976
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 45.5 35.6 53.4

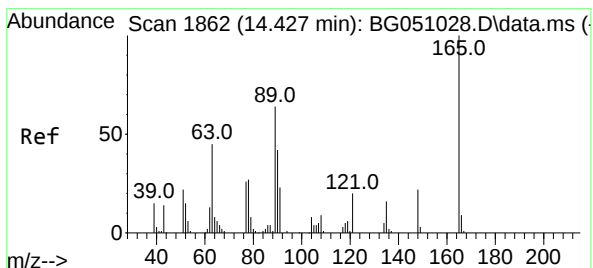
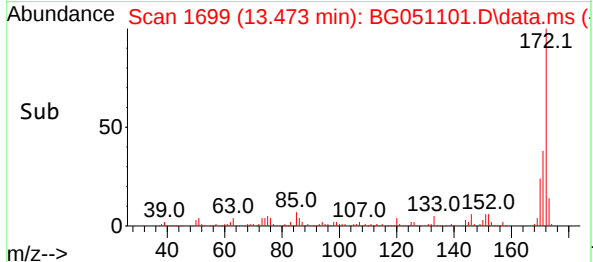
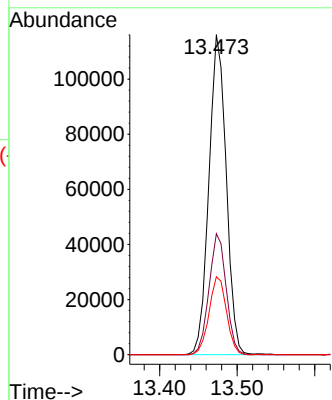
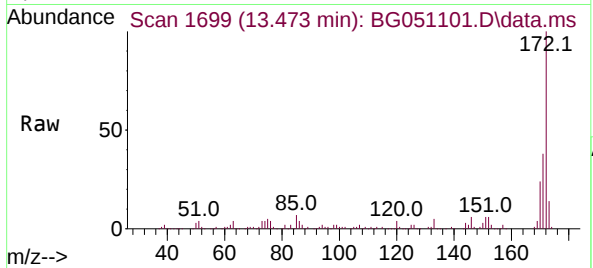




#45
2-Fluorobiphenyl
Concen: 29.042 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

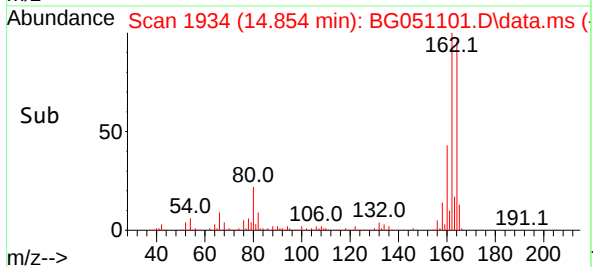
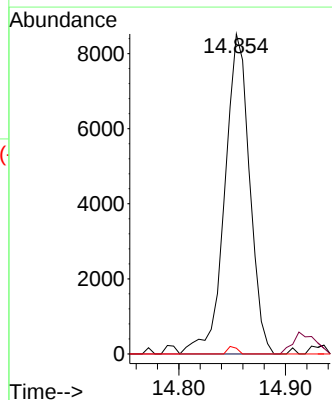
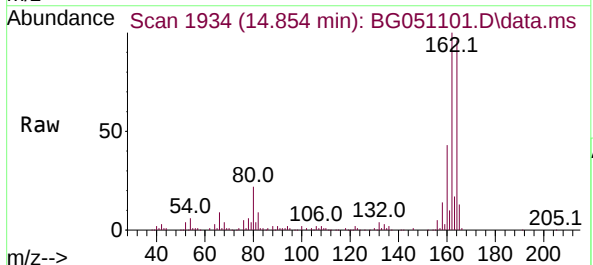
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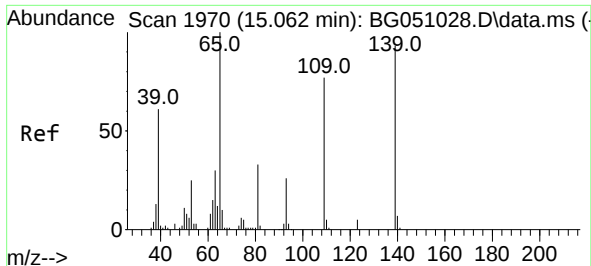
Tgt Ion:172 Resp: 180039
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 24.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.688 ng
RT: 14.854 min Scan# 1934
Delta R.T. 0.427 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:165 Resp: 13781
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.8 63.4 95.0#

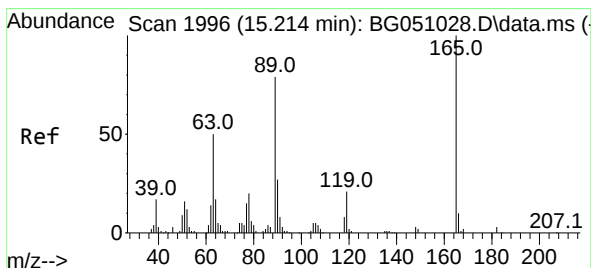
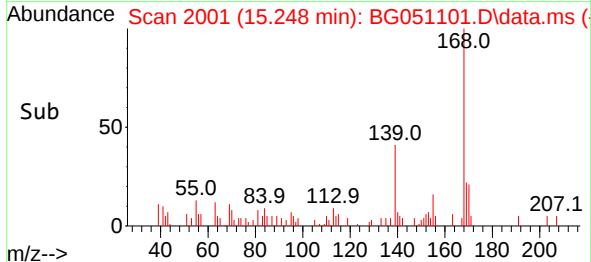
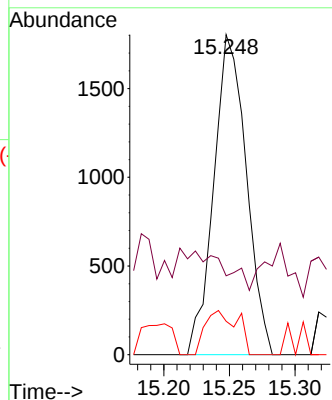
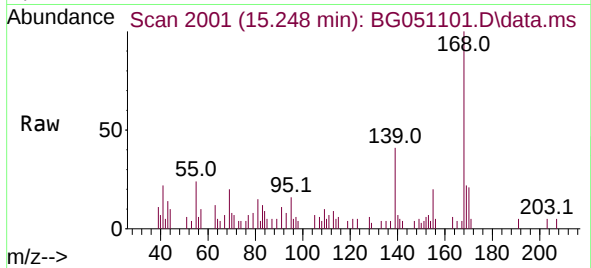




#56
4-Nitrophenol
Concen: 2.192 ng
RT: 15.248 min Scan# 20
Delta R.T. 0.186 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

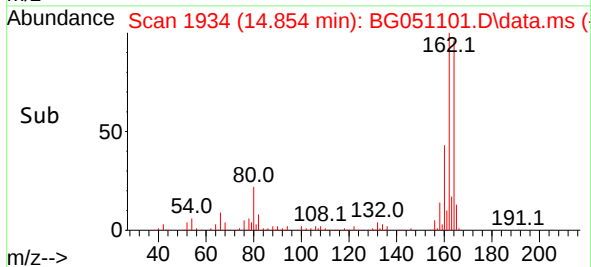
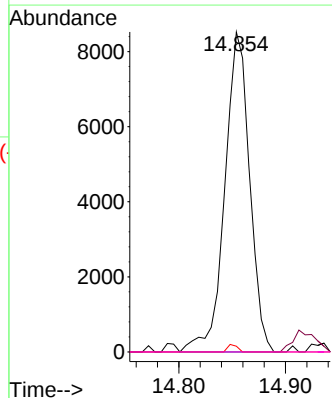
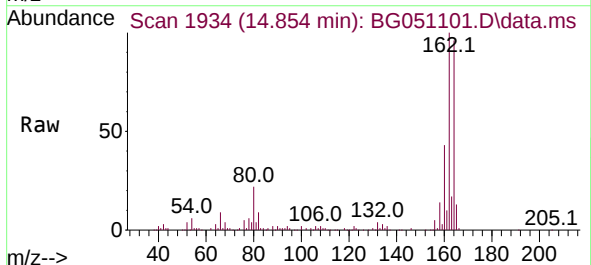
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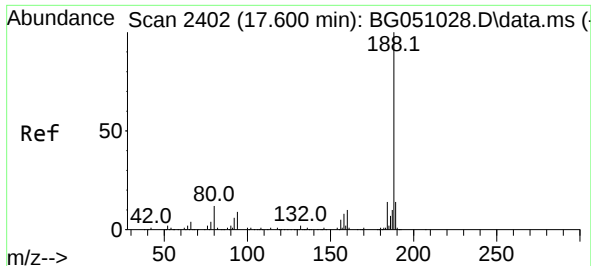
Tgt Ion:139 Resp: 3108
Ion Ratio Lower Upper
139 100
109 24.7 116.3 156.3#
65 10.5 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 6.123 ng
RT: 14.854 min Scan# 1934
Delta R.T. -0.361 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:165 Resp: 13781
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.8 65.4 98.0#
182 0.0 2.0 3.0#

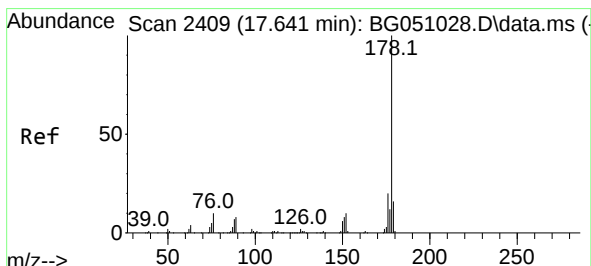
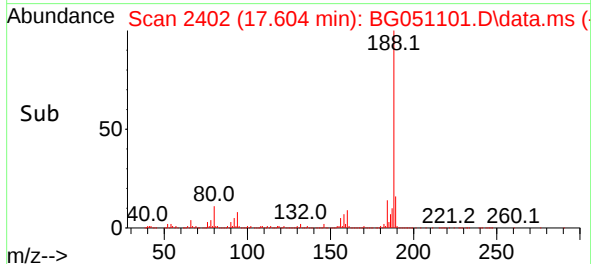
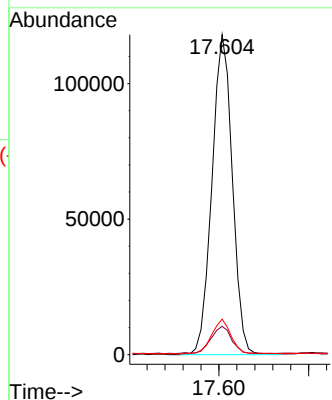
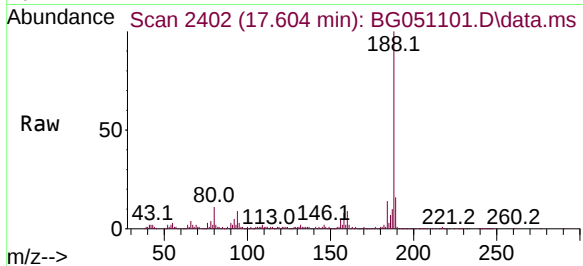




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.604 min Scan# 2402
Delta R.T. 0.004 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

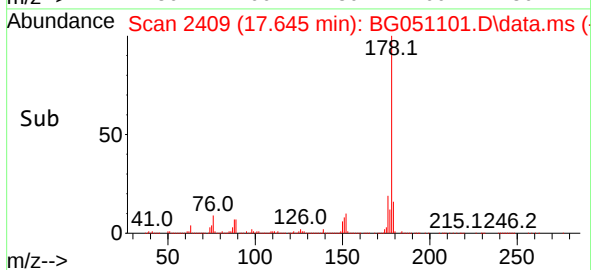
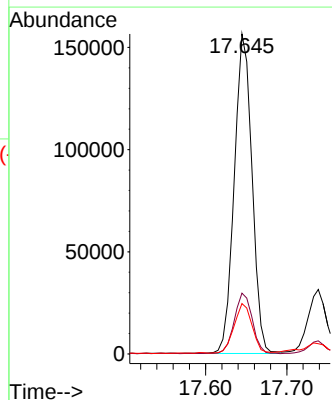
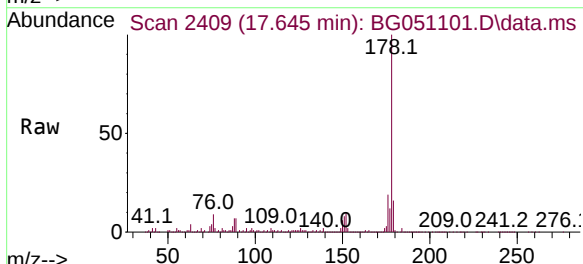
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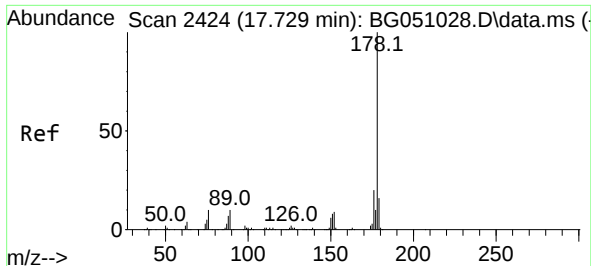
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Ion Ratio Lower Upper
188 100
94 8.8 5.4 8.0#
80 11.1 3.7 5.5#



#71
Phenanthrene
Concen: 23.935 ng
RT: 17.645 min Scan# 2409
Delta R.T. 0.004 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:178 Resp: 237279
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.7 14.2 21.4

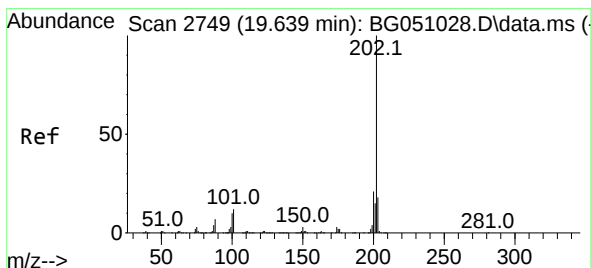
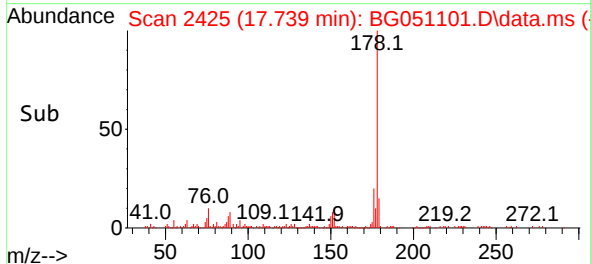
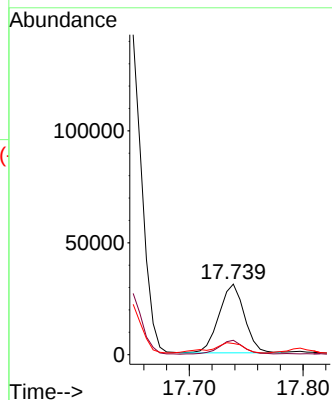
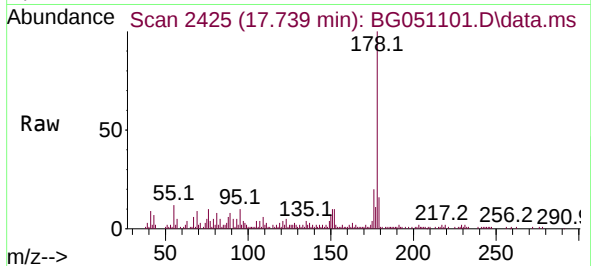




#72
 Anthracene
 Concen: 4.843 ng
 RT: 17.739 min Scan# 24
 Delta R.T. 0.010 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

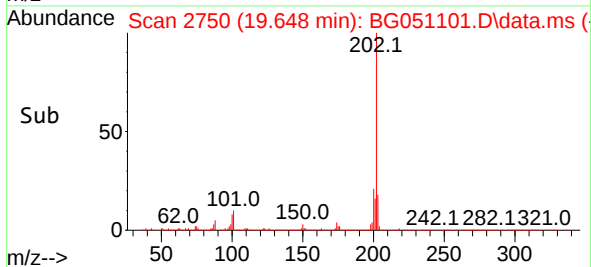
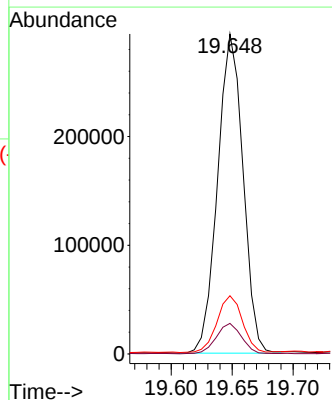
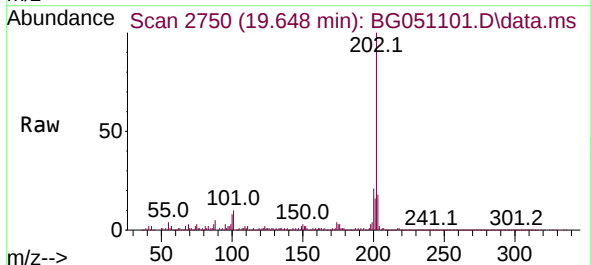
Instrument :
 BNA_G
 ClientSampleId :
 IMPOUND-LOT-SP-JC-11-15-21

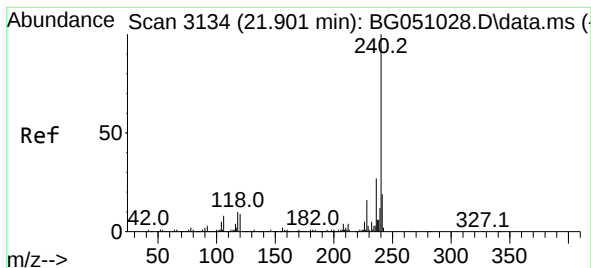
Tgt Ion:178 Resp: 47752
 Ion Ratio Lower Upper
 178 100
 176 20.5 14.6 21.8
 179 15.9 13.4 20.0



#75
 Fluoranthene
 Concen: 35.026 ng
 RT: 19.648 min Scan# 2750
 Delta R.T. 0.009 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

Tgt Ion:202 Resp: 425986
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 24.7
 203 18.2 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.910 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG051101.D

Acq: 17 Nov 2021 21:06

Instrument :

BNA_G

ClientSampleId :

IMPOUND-LOT-SP-JC-11-15-21

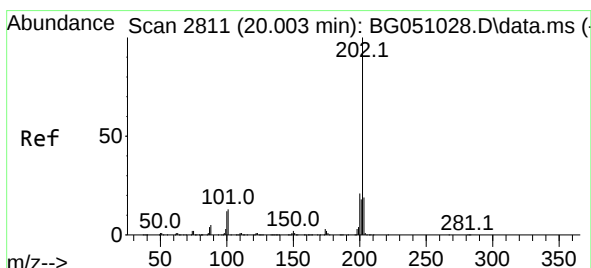
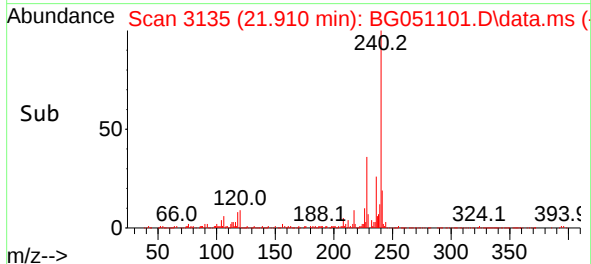
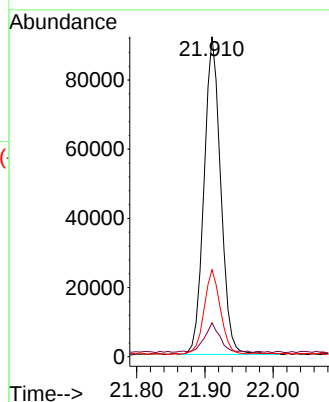
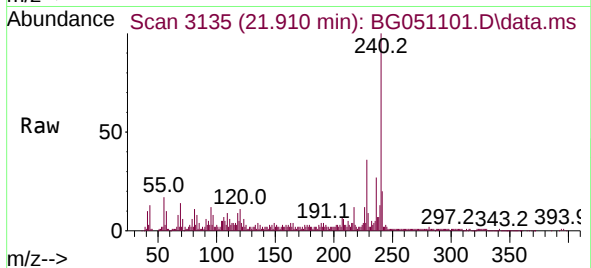
Tgt Ion:240 Resp: 156273

Ion Ratio Lower Upper

240 100

120 10.6 4.2 6.2#

236 27.1 21.8 32.6



#78

Pyrene

Concen: 36.320 ng

RT: 20.013 min Scan# 2812

Delta R.T. 0.010 min

Lab File: BG051101.D

Acq: 17 Nov 2021 21:06

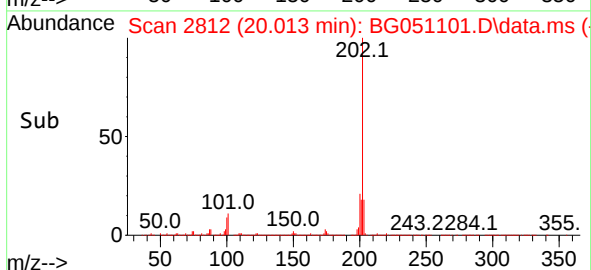
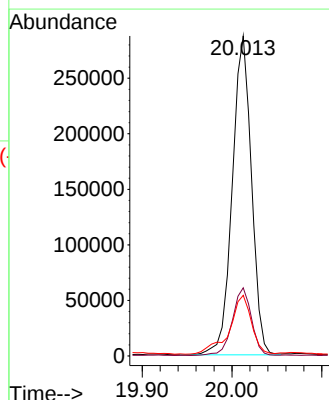
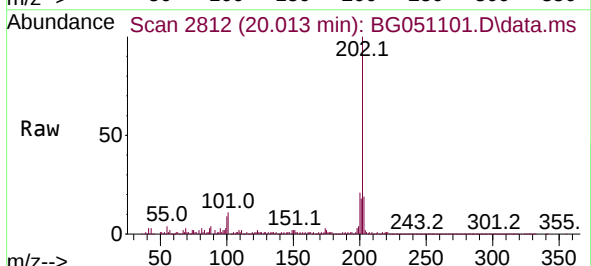
Tgt Ion:202 Resp: 425803

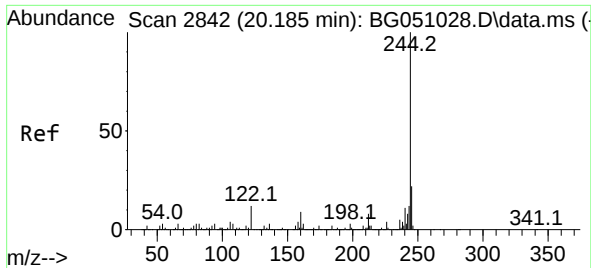
Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 19.0 14.6 21.8

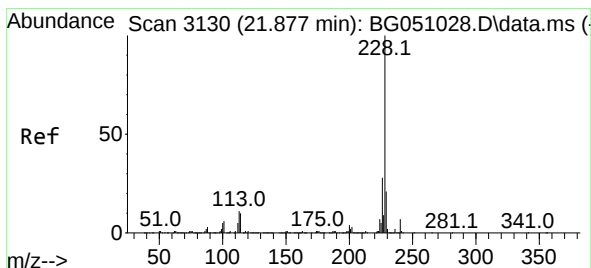
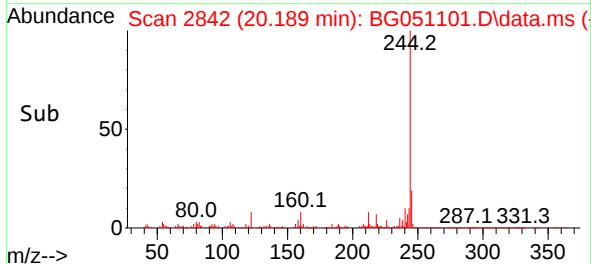
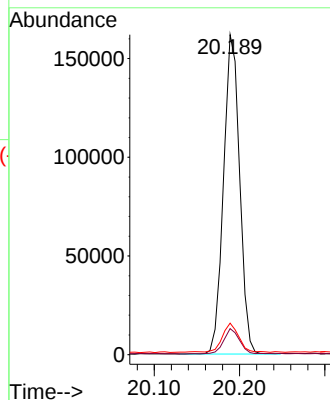
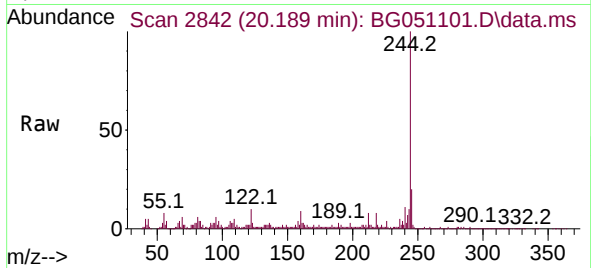




#79
 Terphenyl-d14
 Concen: 24.943 ng
 RT: 20.189 min Scan# 213026
 Delta R.T. 0.004 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

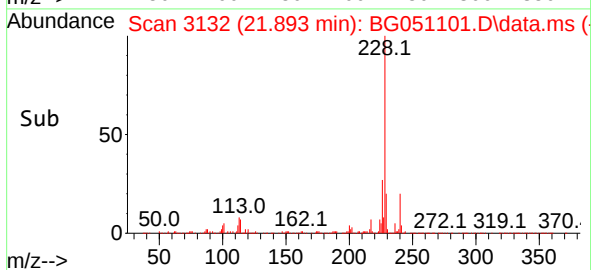
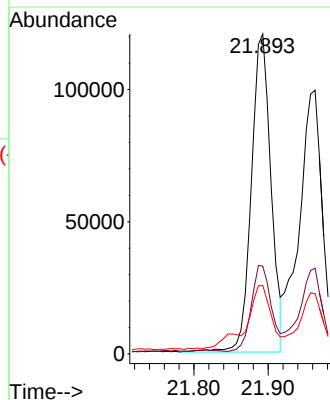
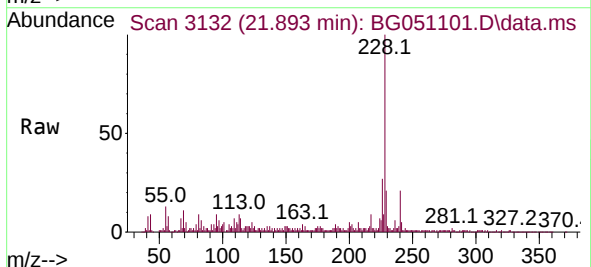
Instrument :
 BNA_G
 ClientSampleId :
 IMPOUND-LOT-SP-JC-11-15-21

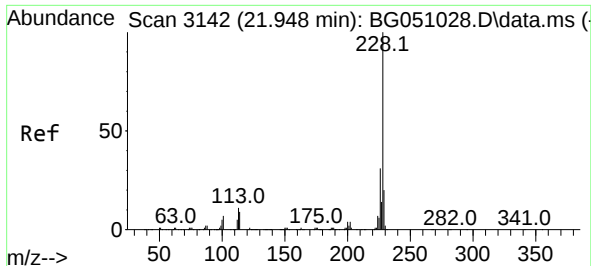
Tgt Ion:244 Resp: 213026
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 9.8 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 20.595 ng
 RT: 21.893 min Scan# 3132
 Delta R.T. 0.015 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

Tgt Ion:228 Resp: 220998
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.7 34.1
 229 21.4 16.0 24.0

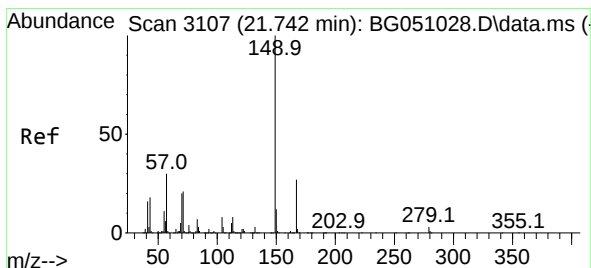
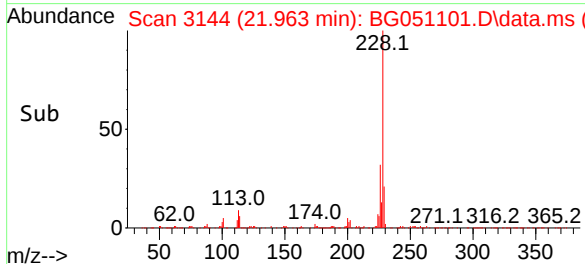
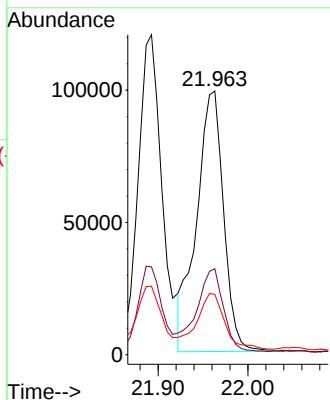
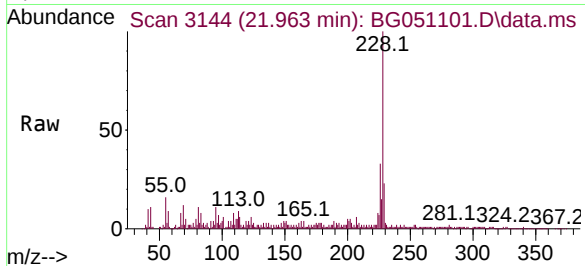




#83
Chrysene
Concen: 20.420 ng
RT: 21.963 min Scan# 3144
Delta R.T. 0.015 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

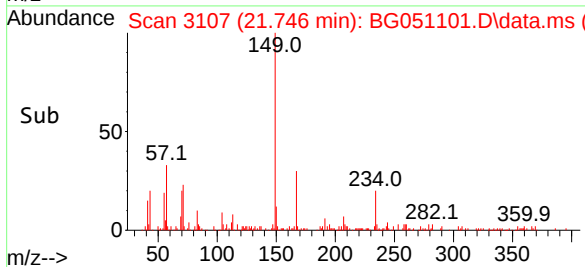
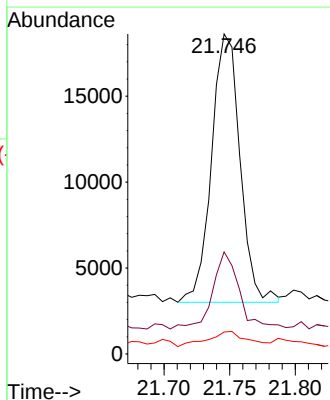
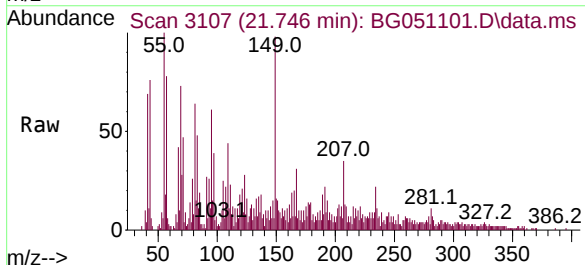
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

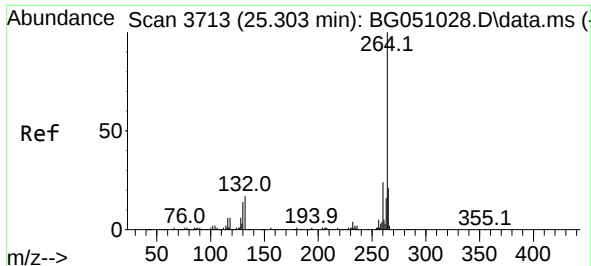
Tgt Ion:228 Resp: 206706
Ion Ratio Lower Upper
228 100
226 32.6 23.1 34.7
229 22.9 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.323 ng
RT: 21.746 min Scan# 3107
Delta R.T. 0.004 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:149 Resp: 23576
Ion Ratio Lower Upper
149 100
167 31.9 22.3 33.5
279 6.8 3.8 5.8#

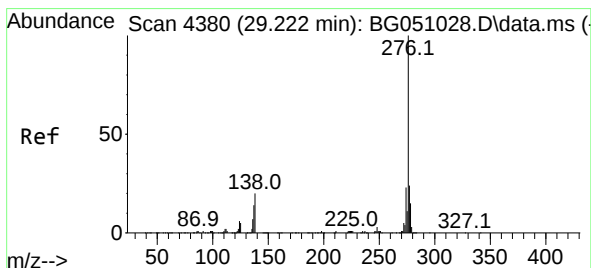
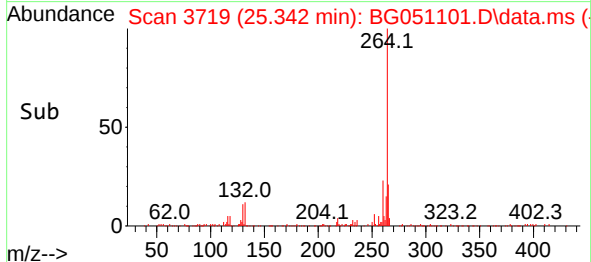
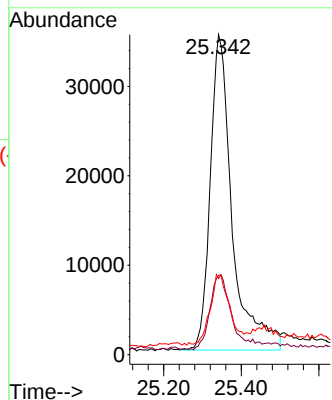
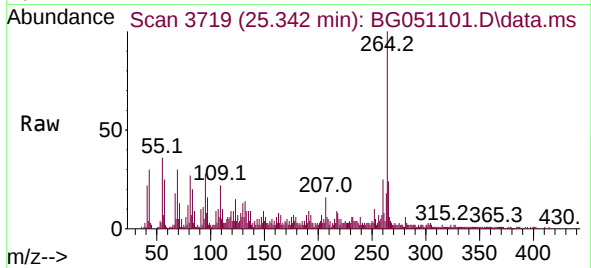




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.342 min Scan# 31
 Delta R.T. 0.039 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

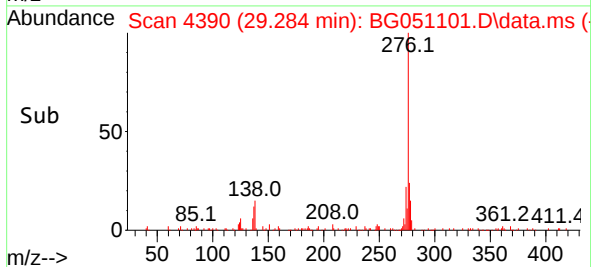
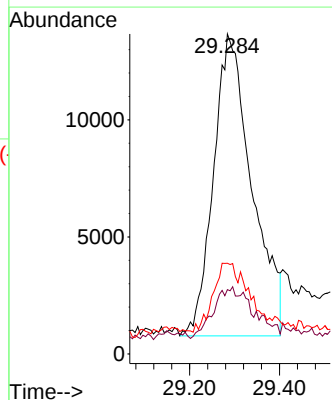
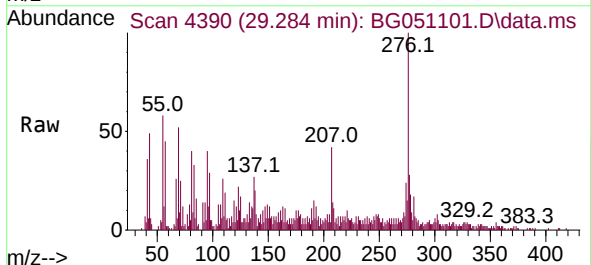
Instrument :
 BNA_G
 ClientSampleId :
 IMPOUND-LOT-SP-JC-11-15-21

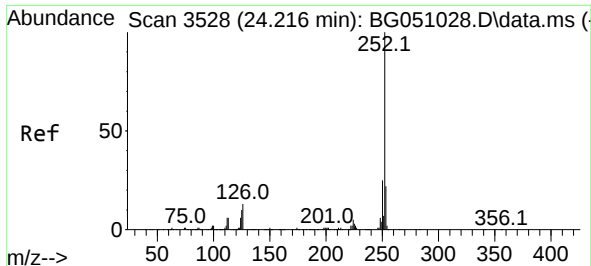
Tgt Ion:264 Resp: 138675
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 23.8 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.797 ng
 RT: 29.284 min Scan# 4390
 Delta R.T. 0.062 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

Tgt Ion:276 Resp: 76744
 Ion Ratio Lower Upper
 276 100
 138 5.9 5.1 7.7
 277 13.8 19.8 29.6#

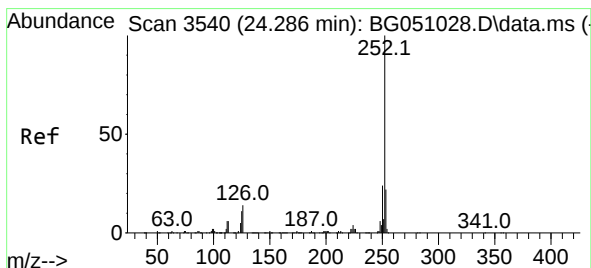
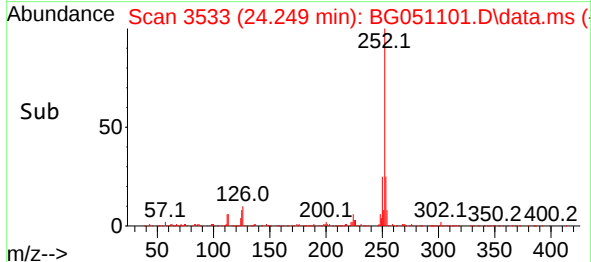
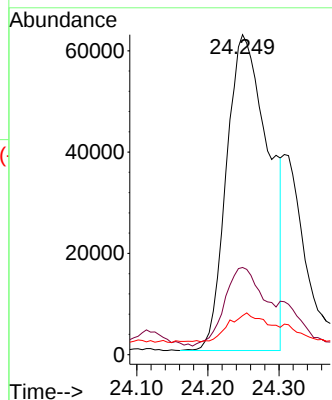
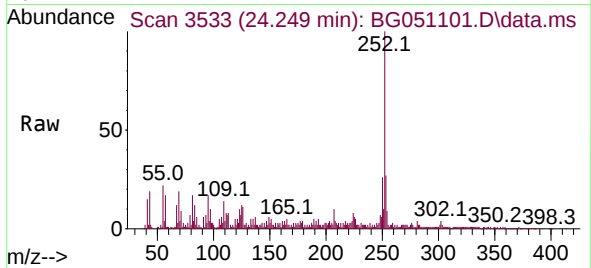




#88
Benzo(b)fluoranthene
Concen: 29.283 ng
RT: 24.249 min Scan# 3533
Delta R.T. 0.033 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

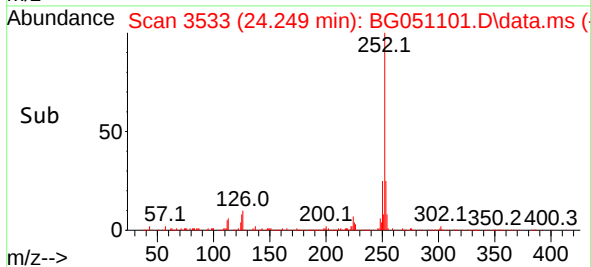
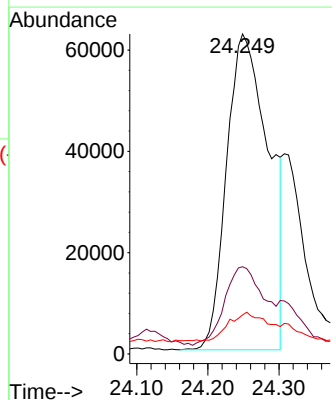
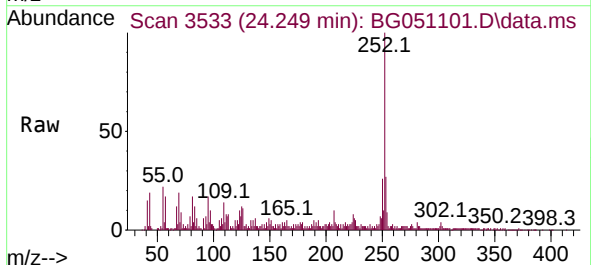
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

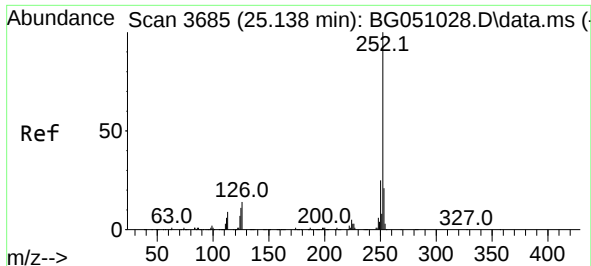
Tgt Ion:252 Resp: 255609
Ion Ratio Lower Upper
252 100
253 27.3 16.2 24.4#
125 12.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 29.360 ng
RT: 24.249 min Scan# 3533
Delta R.T. -0.037 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

Tgt Ion:252 Resp: 255609
Ion Ratio Lower Upper
252 100
253 27.3 18.0 27.0#
125 12.2 3.1 4.7#

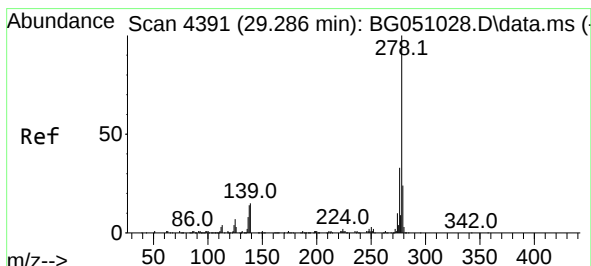
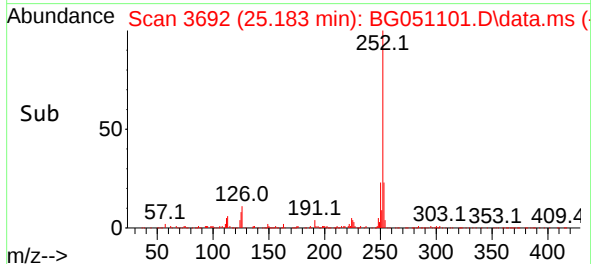
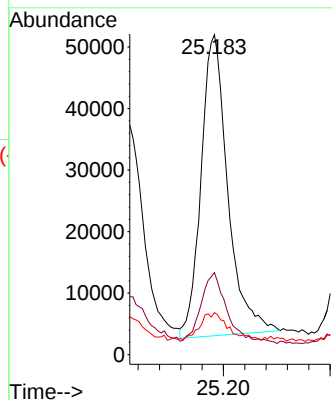
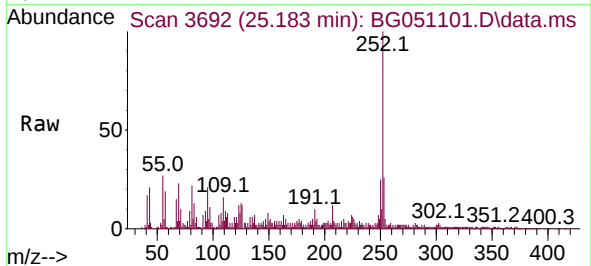




#90
Benzo(a)pyrene
Concen: 22.858 ng
RT: 25.183 min Scan# 30
Delta R.T. 0.045 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

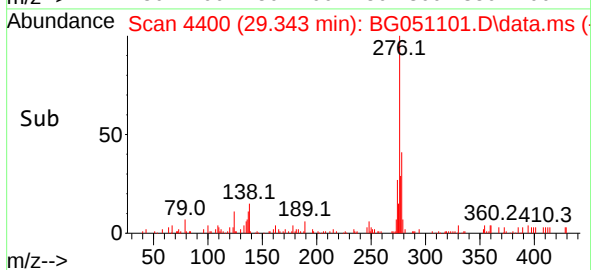
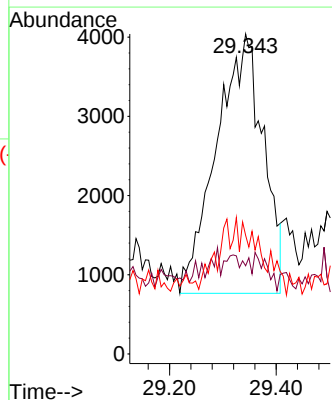
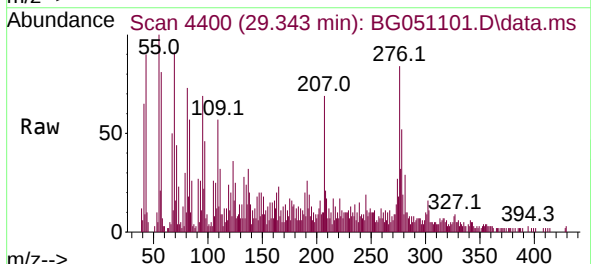
Instrument :
BNA_G
ClientSampleId :
IMPOUND-LOT-SP-JC-11-15-21

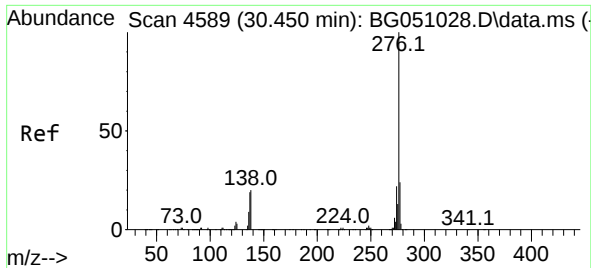
Tgt Ion:252 Resp: 170345
Ion Ratio Lower Upper
252 100
253 25.7 16.6 25.0#
125 13.1 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 2.460 ng
RT: 29.343 min Scan# 4400
Delta R.T. 0.057 min
Lab File: BG051101.D
Acq: 17 Nov 2021 21:06

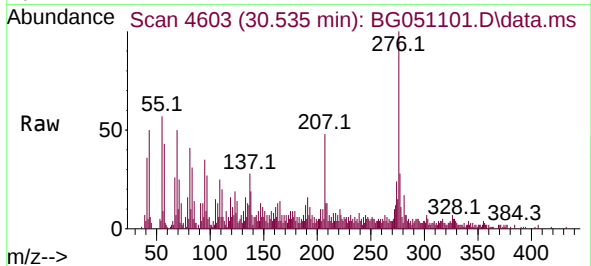
Tgt Ion:278 Resp: 19934
Ion Ratio Lower Upper
278 100
139 27.6 4.6 6.8#
279 37.0 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 9.334 ng
 RT: 30.535 min Scan# 4
 Delta R.T. 0.086 min
 Lab File: BG051101.D
 Acq: 17 Nov 2021 21:06

Instrument :
 BNA_G
 ClientSampleId :
 IMPOUND-LOT-SP-JC-11-15-21



Tgt Ion:276 Resp: 74442
 Ion Ratio Lower Upper
 276 100
 277 27.7 18.4 27.6#
 138 18.5 7.0 10.6#

