

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032051.D
 Acq On : 16 Jan 2018 3:36
 Operator : SJ/JU
 Sample : J1113-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 06:28:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

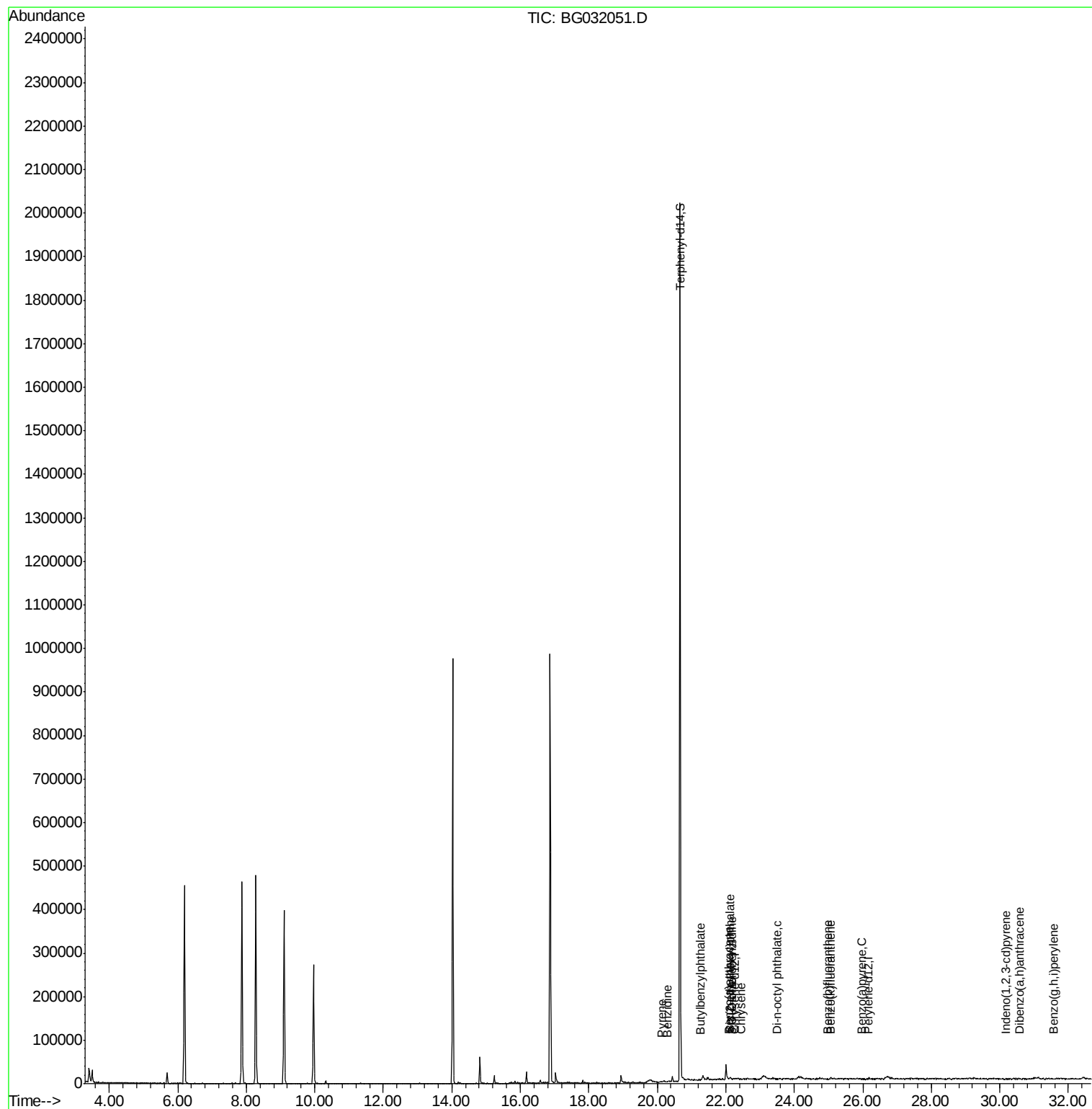
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.77
21) Naphthalene-d8	0.00	136	0	0.00	ng	-11.66
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-15.40
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-18.14
75) Chrysene-d12	22.26	240	68	20.00	ng	-0.22
86) Perylene-d12	26.17	264	68	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	239539	0.00	ng	0.00
7) Phenol-d6	7.87	99	302379	0.00	ng	0.00
23) Nitrobenzene-d5	9.96	82	176275	0.00	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	223657	0.00	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	578307	0.00	ng	0.00
78) Terphenyl-d14	20.66	244	1167831	379209.15	ng	-0.01
Target Compounds						
76) Benzidine	20.30	184	56	32.933	ng	# 66
77) Pyrene	20.13	202	217	50.763	ng	# 57
79) Butylbenzylphthalate	21.26	149	55	35.910	ng	# 20
80) Benzo(a)anthracene	22.10	228	62	14.661	ng	# 50
81) 3,3'-Dichlorobenzidine	22.18	252	78	49.374	ng	# 26
82) Chrysene	22.45	228	76	18.713	ng	# 49
83) Bis(2-ethylhexyl)phthalate	22.14	149	1926	857.548	ng	# 50
84) Di-n-octyl phthalate	23.49	149	124	34.762	ng	# 1
85) Indeno(1,2,3-cd)pyrene	30.17	276	54	10.865	ng	# 53
87) Benzo(b)fluoranthene	24.98	252	100	24.330	ng	# 59
88) Benzo(k)fluoranthene	25.05	252	157	39.090	ng	# 36
89) Benzo(a)pyrene	25.98	252	129	33.178	ng	# 59
90) Dibenzo(a,h)anthracene	30.57	278	92	24.555	ng	# 58
91) Benzo(a,h,i)perylene	31.58	276	54	14.101	ng	# 56

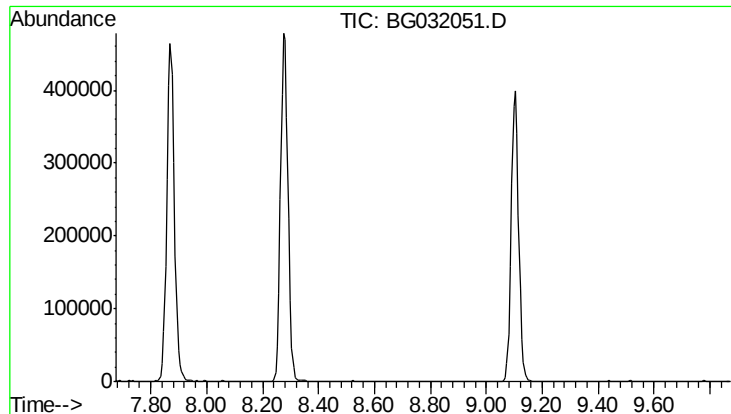
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 8.77 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampleId :

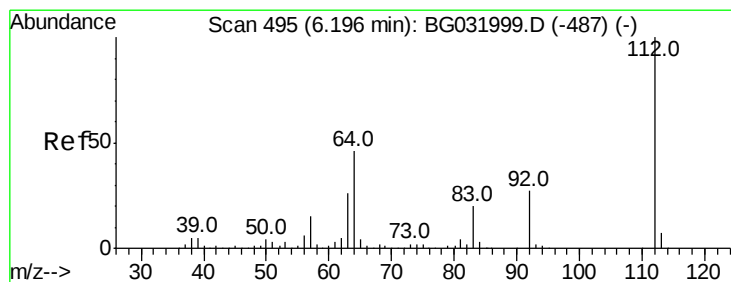
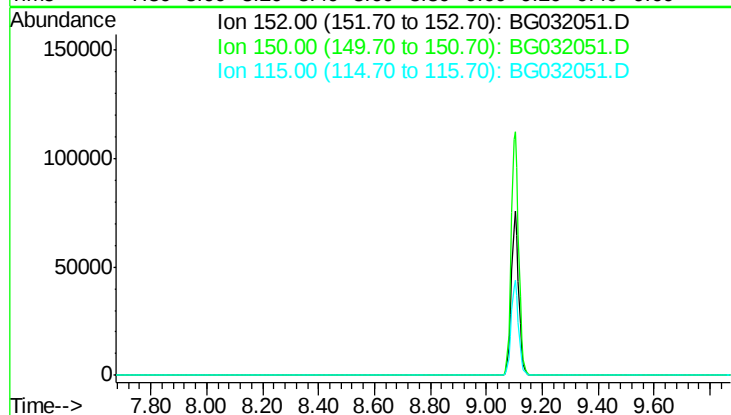
Tot Ion: 152

Sig Exp Ratio

152 100

150 158.2

115 66.2



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.01 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

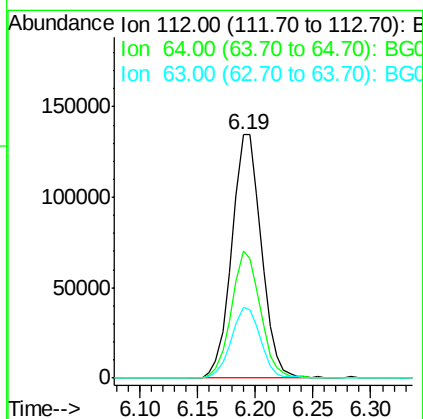
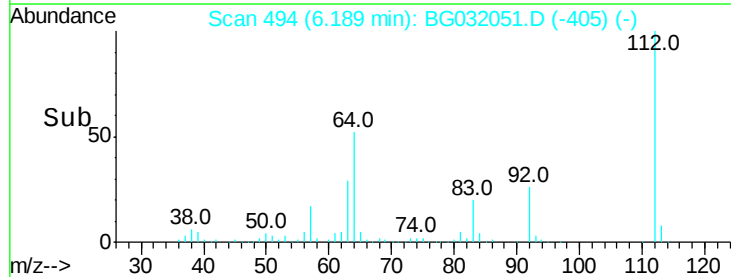
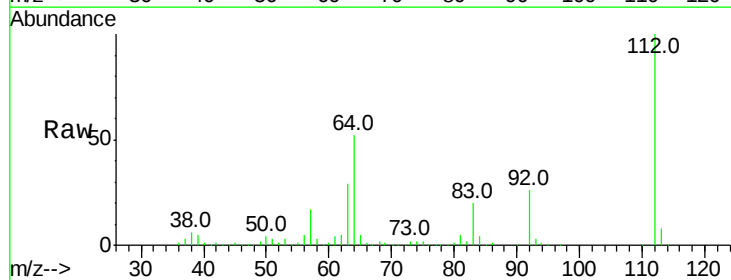
Tgt Ion:112 Resp: 239539

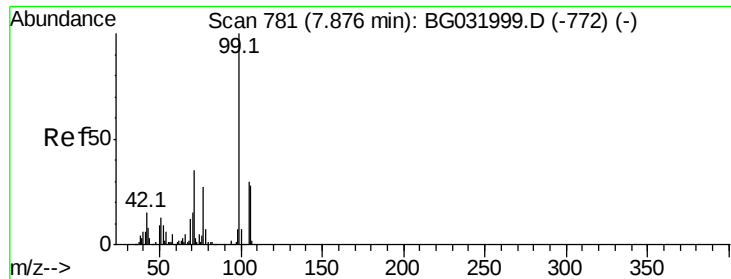
Ion Ratio Lower Upper

112 100

64 52.4 56.3 84.5#

63 28.8 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampleId :

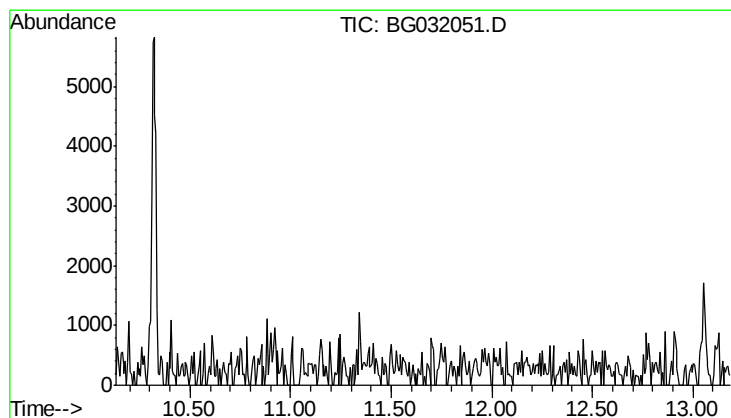
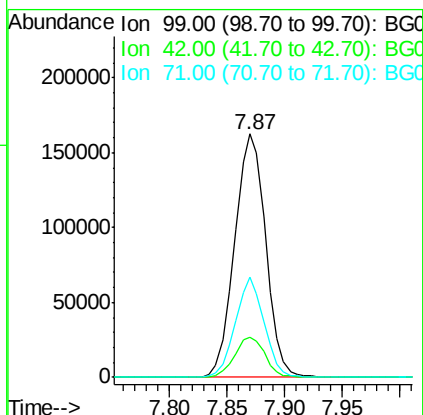
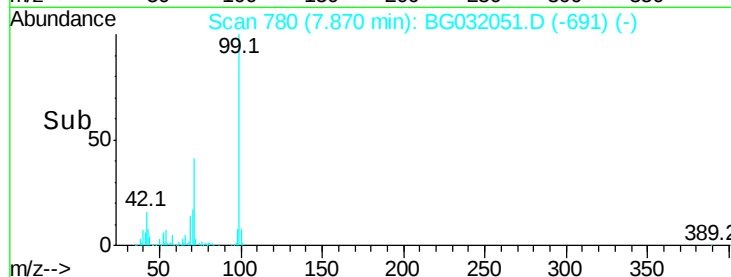
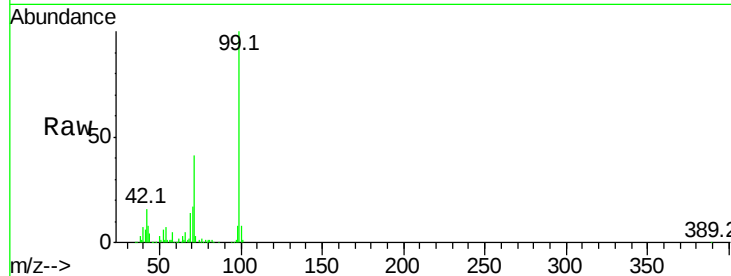
Tot Ion: 99 Resp: 302379

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

71 41.3 26.1 39.1#



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 11.66 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Tgt Ion: 136

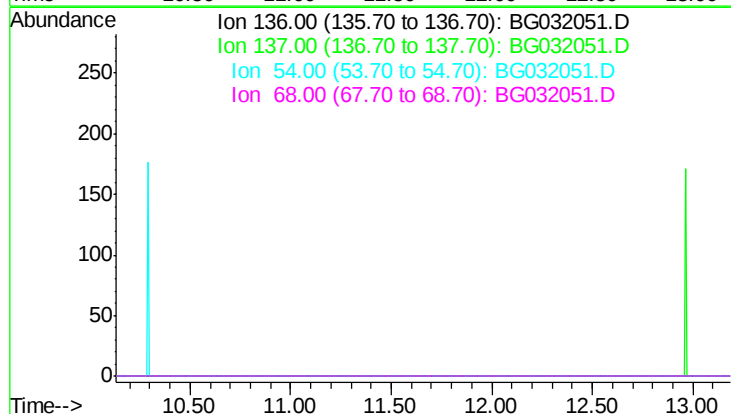
Sig Exp Ratio

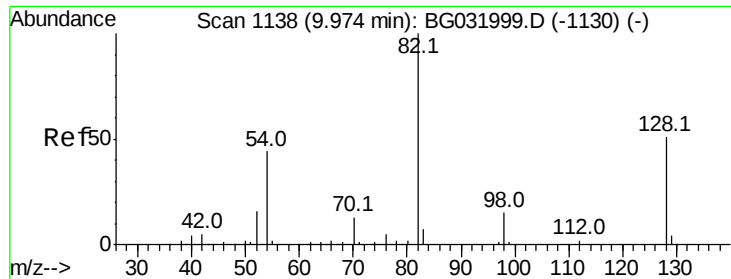
136 100

137 11.5

54 12.9

68 5.6

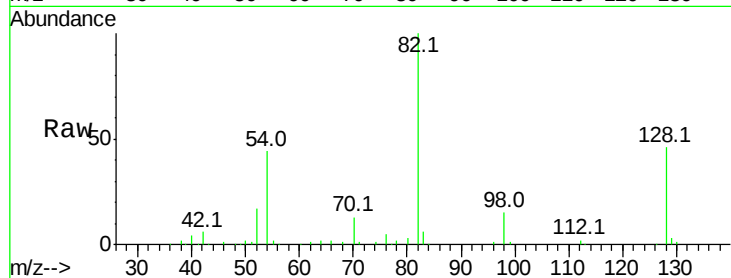




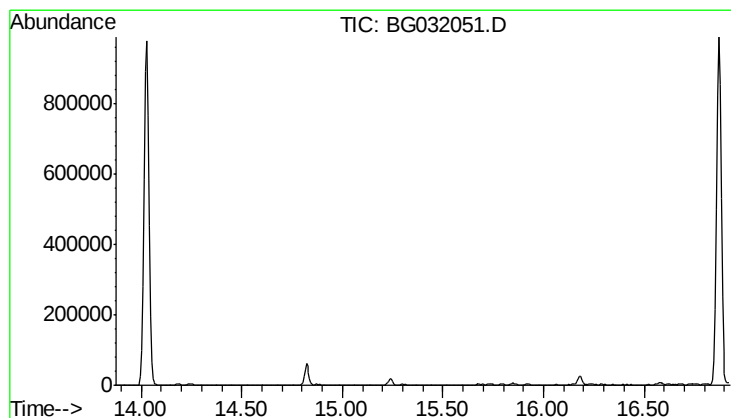
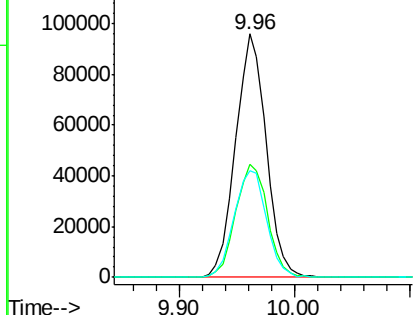
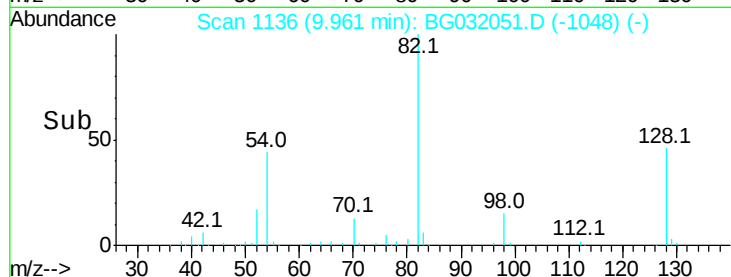
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 176275
 Ion Ratio Lower Upper
 82 100
 128 46.3 29.7 44.5#
 54 43.9 43.1 64.7



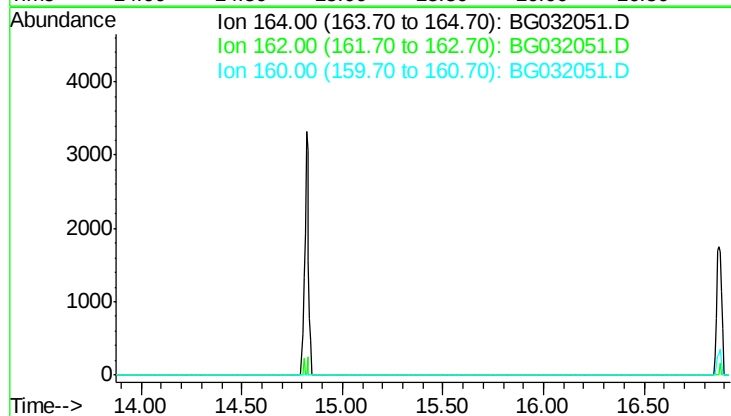
Abundance Ion 82.00 (81.70 to 82.70): BG0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BG0

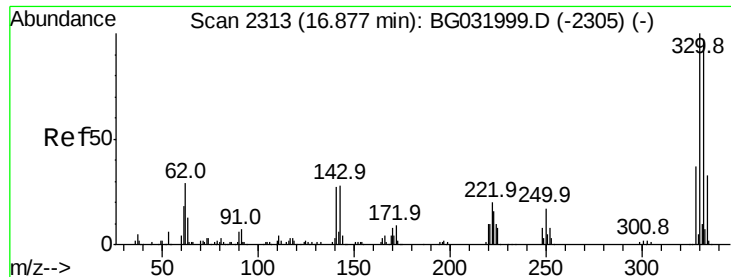


#38
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 15.40 min

Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 98.5
 160 44.2

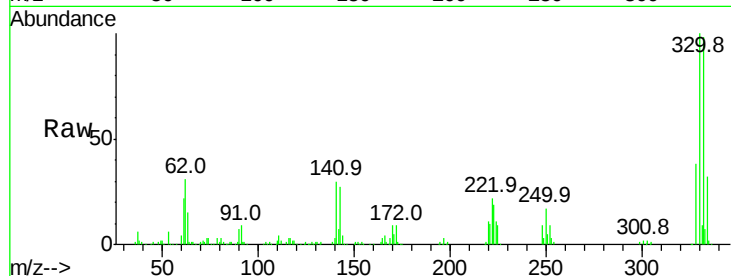




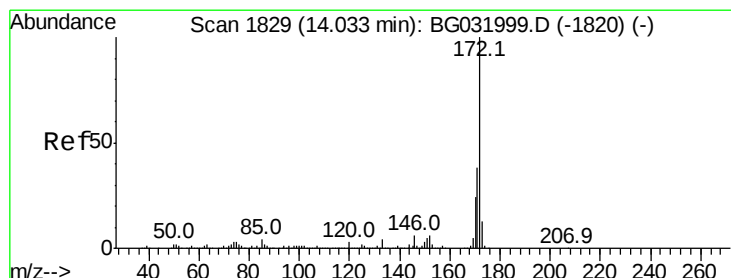
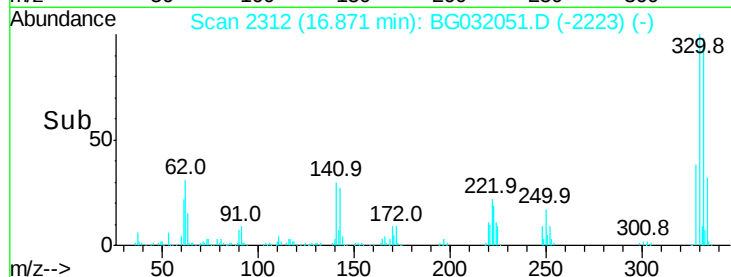
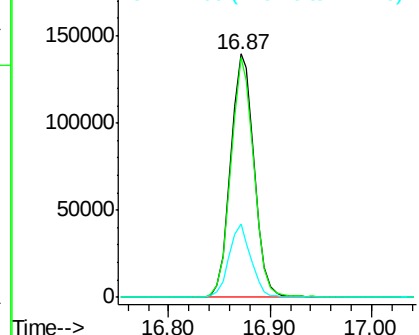
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	28.5	25.2	37.8

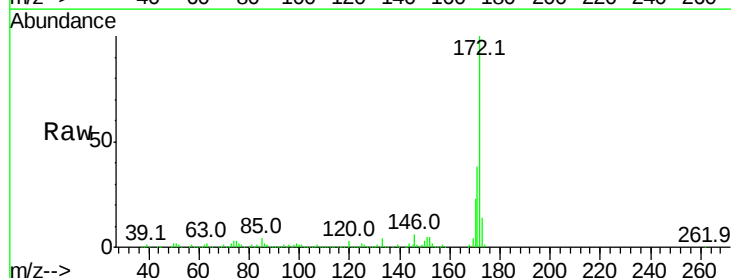


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

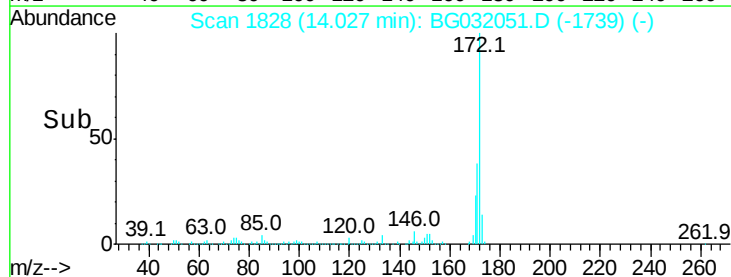
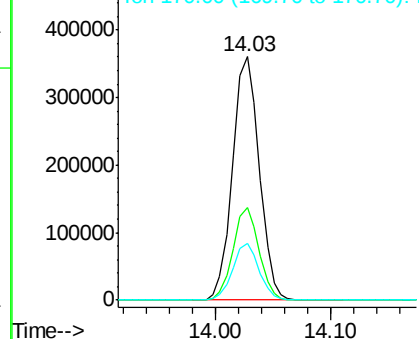


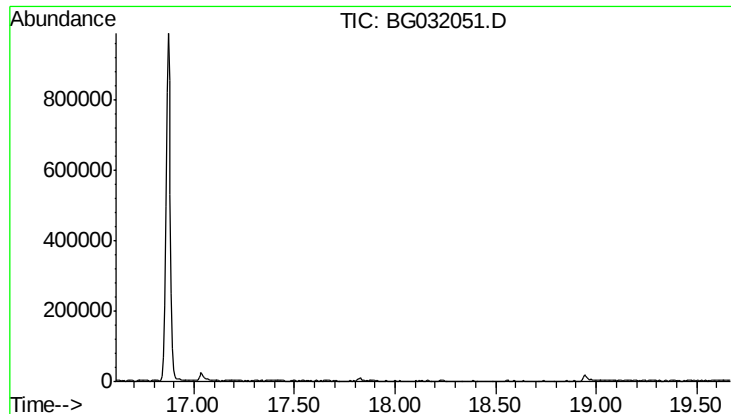
#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.2	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

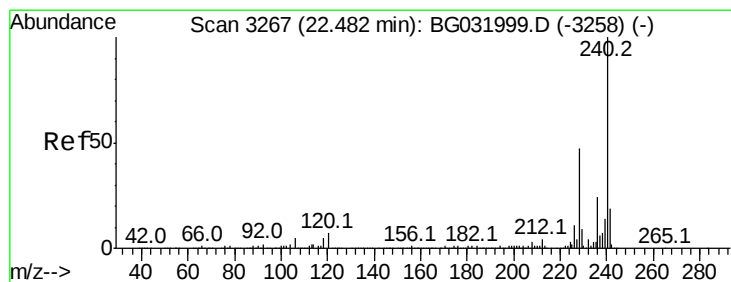
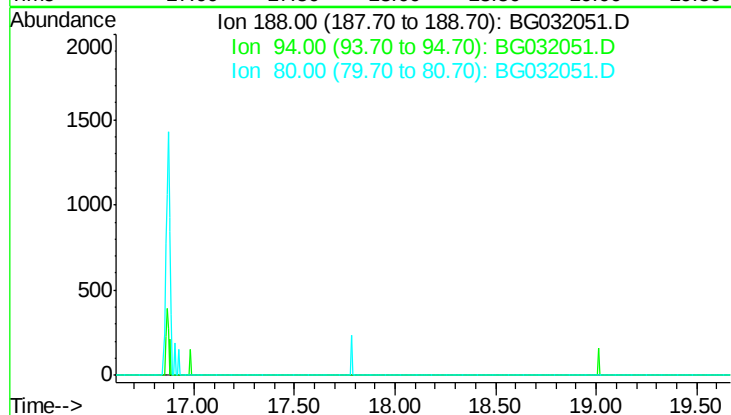




#63
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 18.14 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

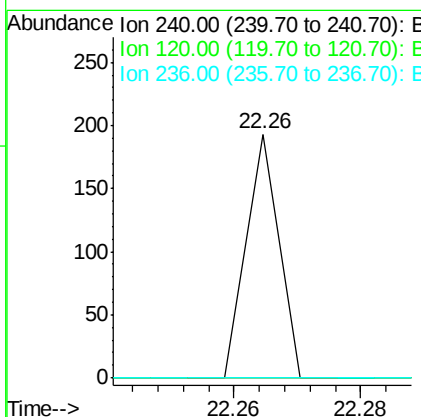
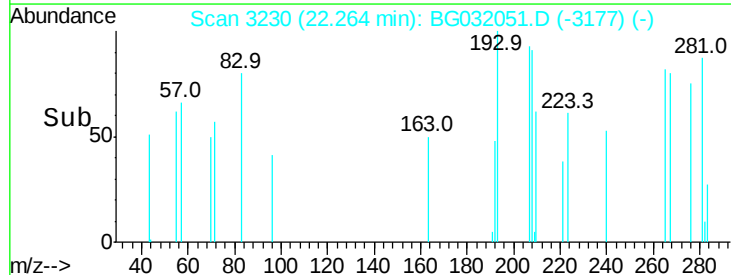
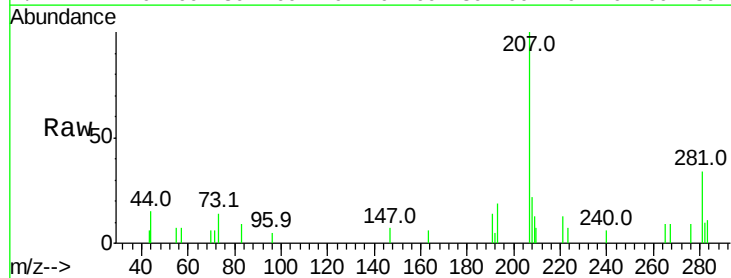
Instrument :
 BNA_G
 ClientSampleId :

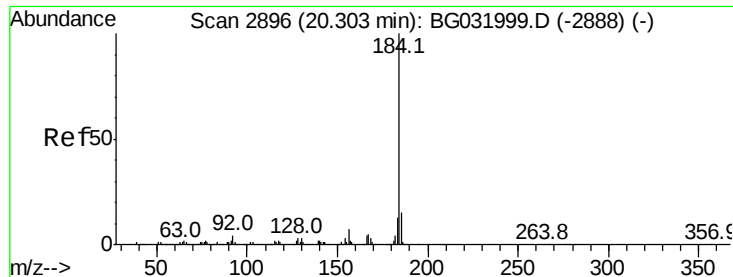
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 8.6
 80 9.6



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.26 min Scan# 3230
 Delta R.T. -0.22 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Tgt Ion: 240 Resp: 68
 Ion Ratio Lower Upper
 240 100
 120 0.0 6.8 10.2#
 236 0.0 20.9 31.3#





#76

Benzidine

Concen: 32.933 ng

RT: 20.30 min Scan# 2895

Delta R.T. -0.01 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampleId :

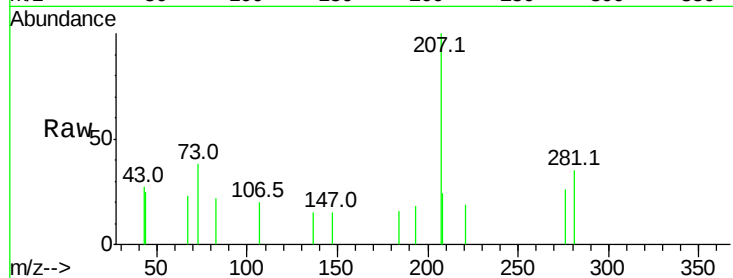
Tot Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

185 0.0 11.1 16.7#

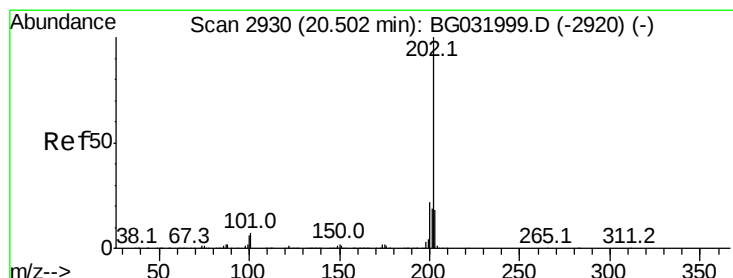
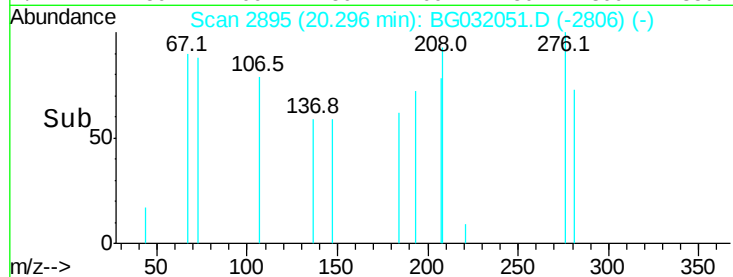
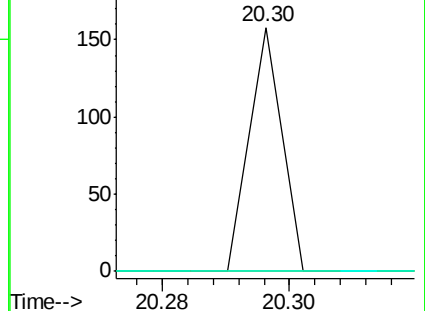
183 0.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 50.763 ng

RT: 20.13 min Scan# 2867

Delta R.T. -0.37 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

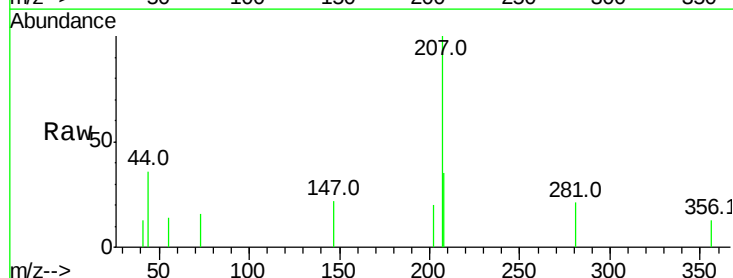
Tgt Ion:202 Resp: 217

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

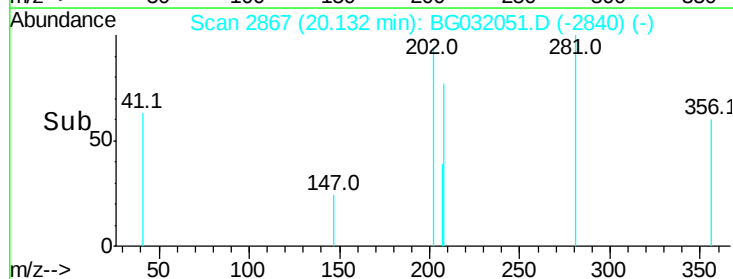
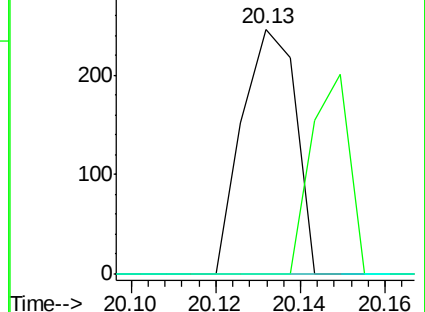
203 0.0 13.9 20.9#

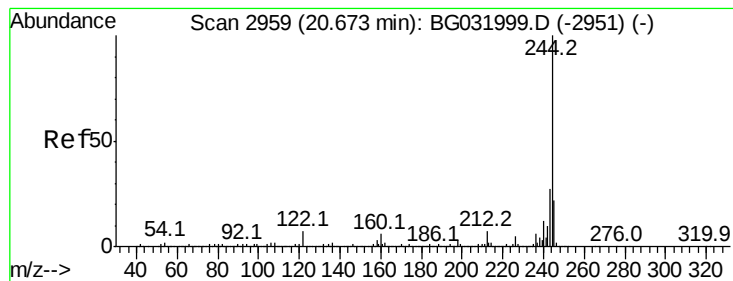


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 379209.146 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampled :

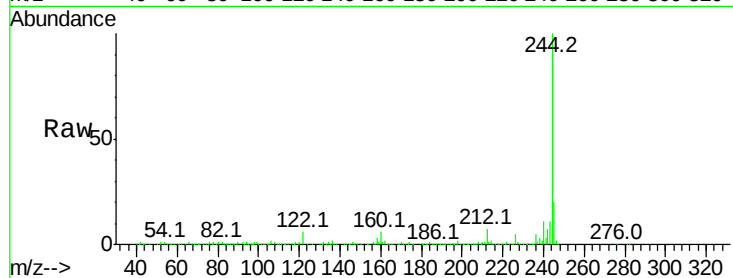
Tot Ion:244 Resp: 1167831

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

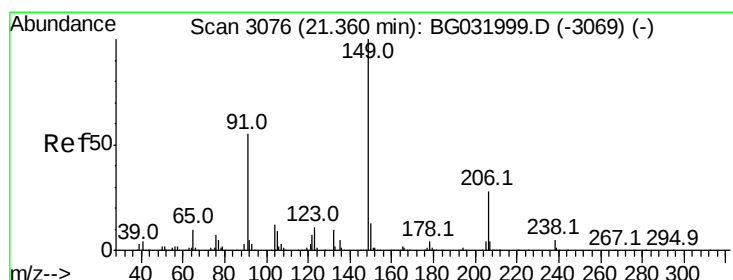
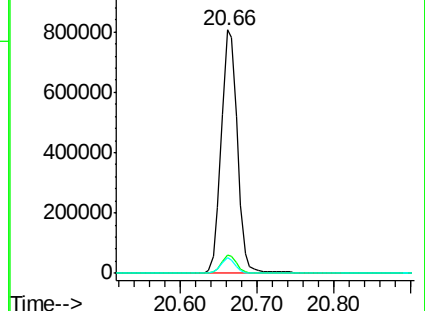
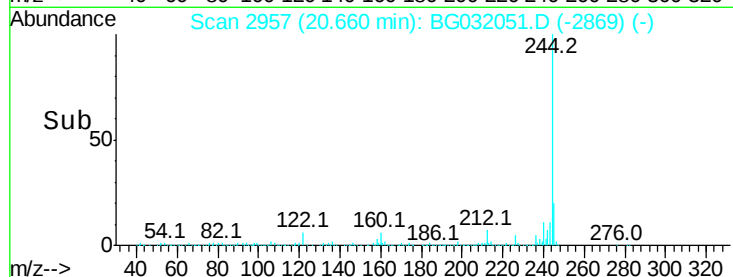
122 6.3 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 35.910 ng

RT: 21.26 min Scan# 3059

Delta R.T. -0.10 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

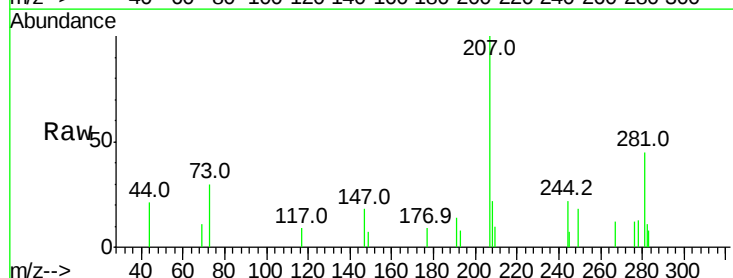
Tgt Ion:149 Resp: 55

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

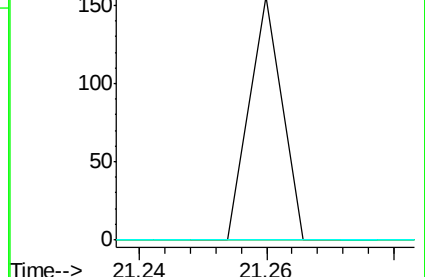
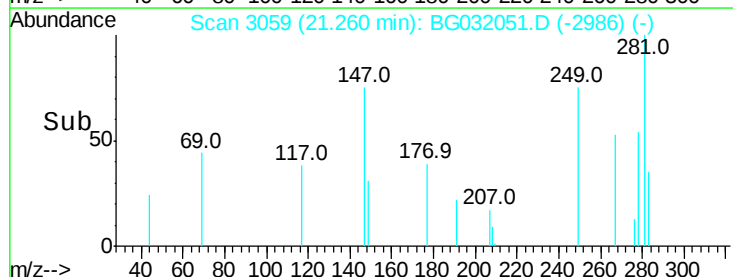
206 0.0 18.6 27.8#

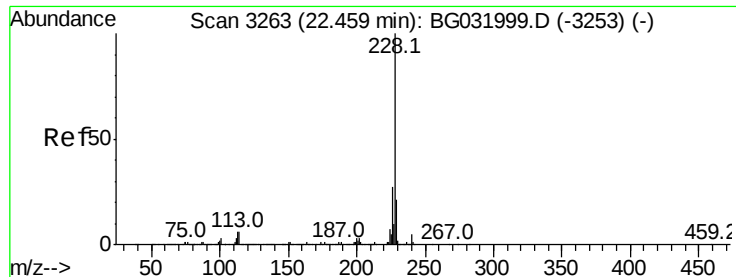


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 14.661 ng

RT: 22.10 min Scan# 3202

Delta R.T. -0.36 min

Lab File: BG032051.D

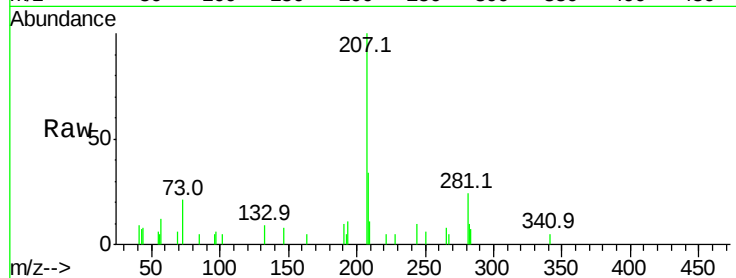
Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampleId :

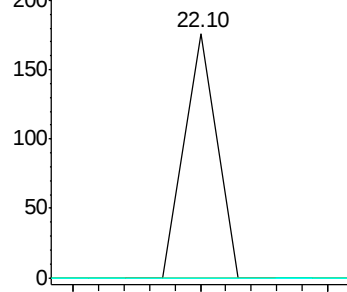
Tot Ion:	228	Resp:	62
Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	0.0	16.2	24.2#



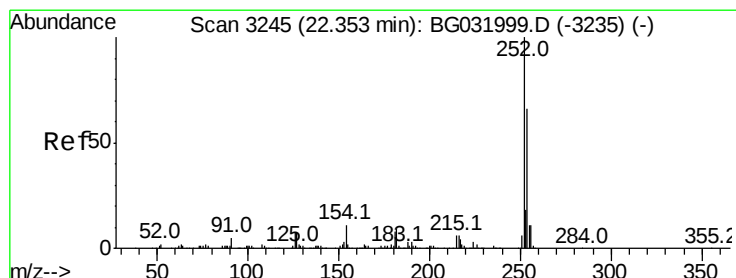
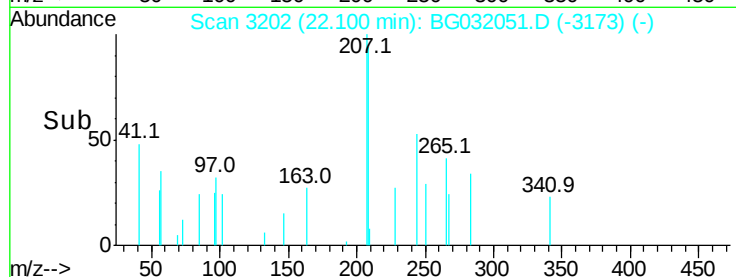
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#81

3,3'-Dichlorobenzidine

Concen: 49.374 ng

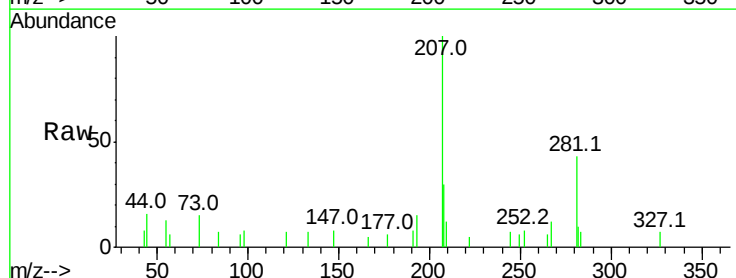
RT: 22.18 min Scan# 3215

Delta R.T. -0.18 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

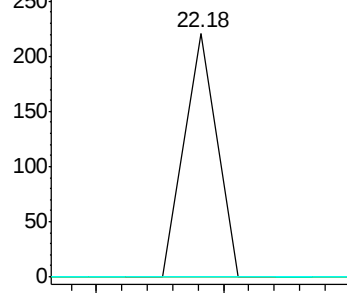
Tgt Ion:	252	Resp:	78
Ion	Ratio	Lower	Upper
252	100		
254	0.0	50.8	76.2#
126	0.0	7.4	11.2#



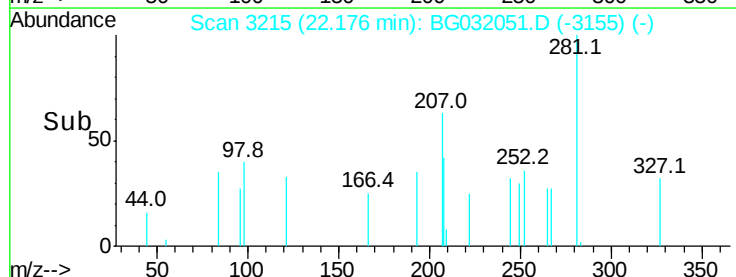
Abundance Ion 252.00 (251.70 to 252.70): E

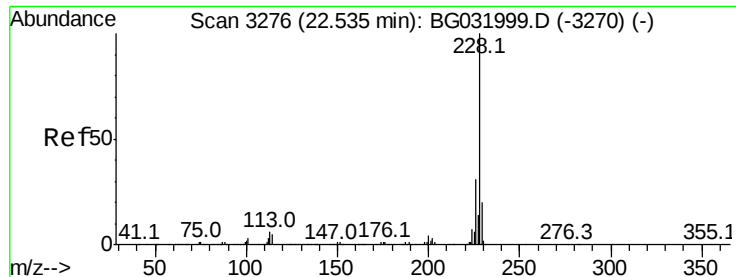
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->

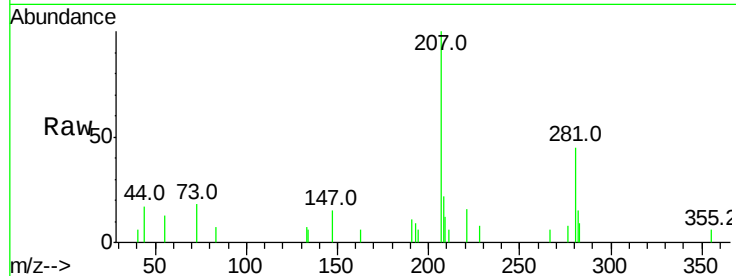




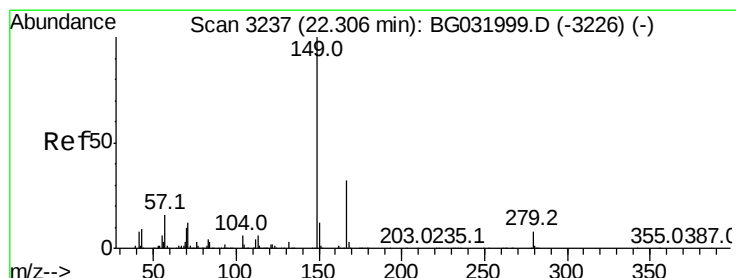
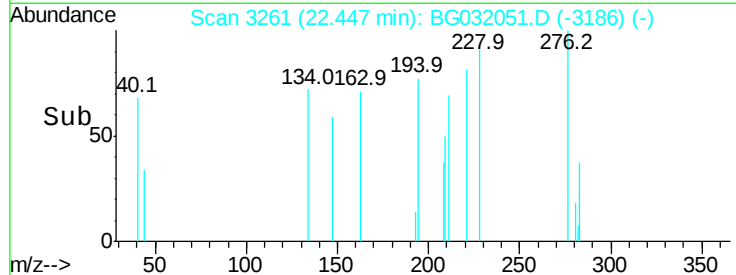
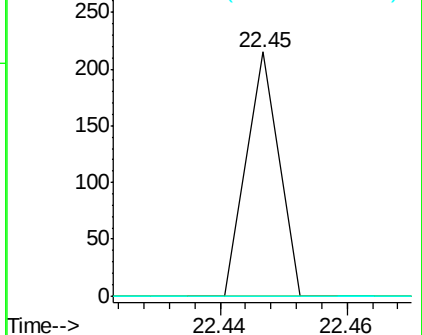
#82
 Chrysene
 Concen: 18.713 ng
 RT: 22.45 min Scan# 3261
 Delta R.T. -0.09 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	15.0	22.4#

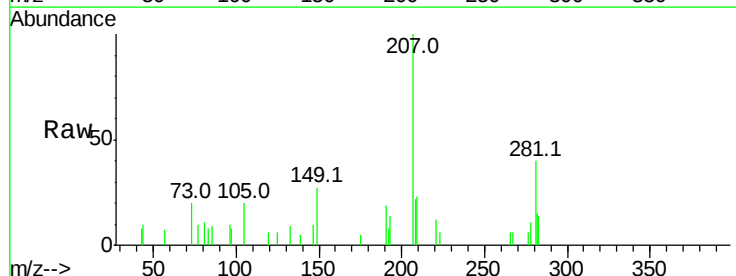


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

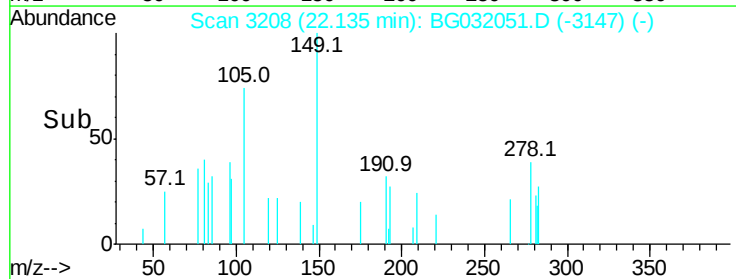
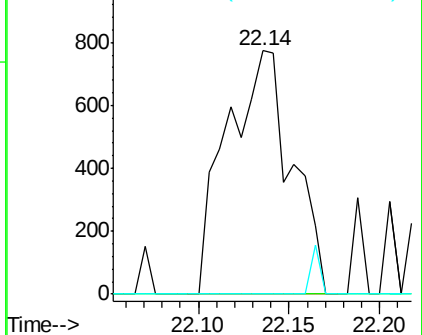


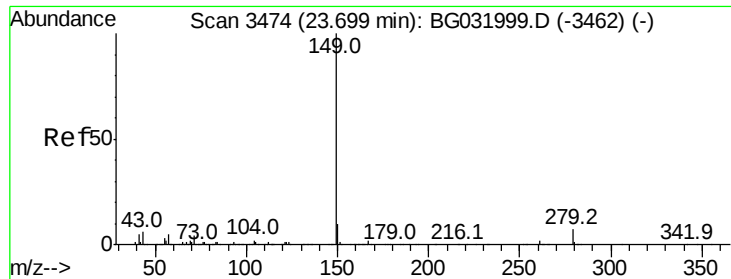
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 857.548 ng
 RT: 22.14 min Scan# 3208
 Delta R.T. -0.17 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	24.3	36.5#
279	0.0	4.0	6.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

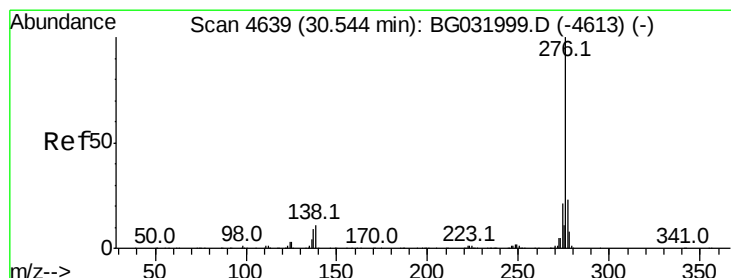
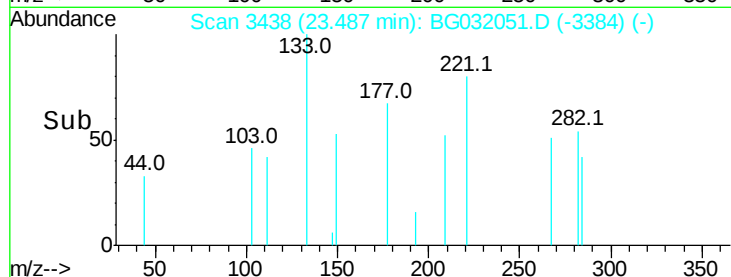
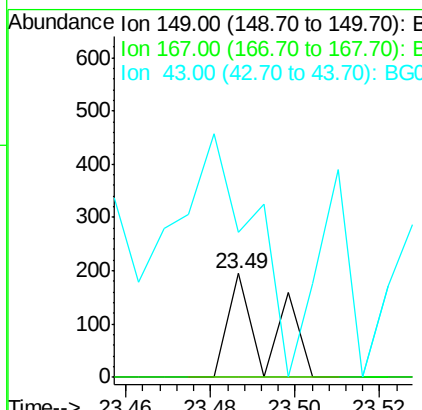
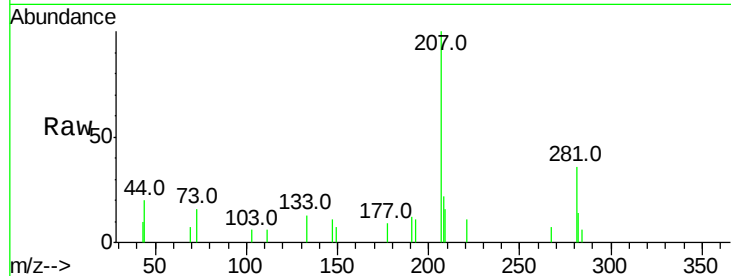




#84
Di-n-octyl phthalate
Concen: 34.762 ng
RT: 23.49 min Scan# 3438
Delta R.T. -0.21 min
Lab File: BG032051.D
Acq: 16 Jan 2018 3:36

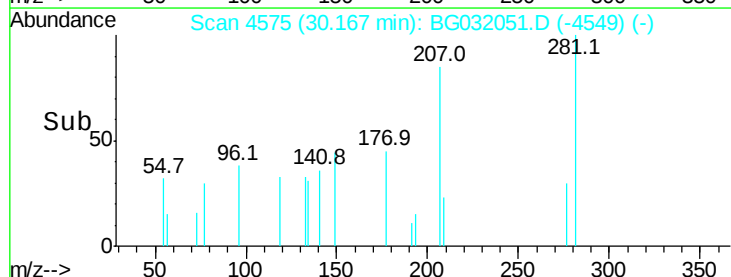
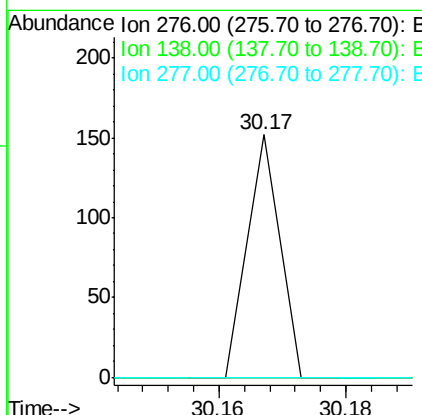
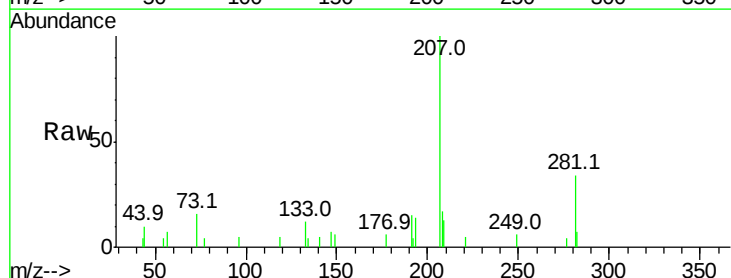
Instrument :
BNA_G
ClientSampled :

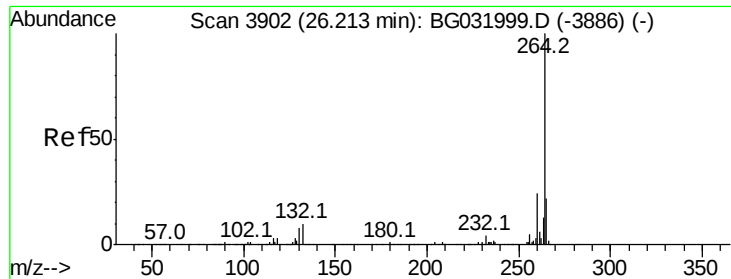
Tot Ion:149 Resp: 124
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.0#
43 465.3 8.9 13.3#



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.865 ng
RT: 30.17 min Scan# 4575
Delta R.T. -0.38 min
Lab File: BG032051.D
Acq: 16 Jan 2018 3:36

Tgt Ion:276 Resp: 54
Ion Ratio Lower Upper
276 100
138 0.0 16.0 24.0#
277 0.0 20.0 30.0#

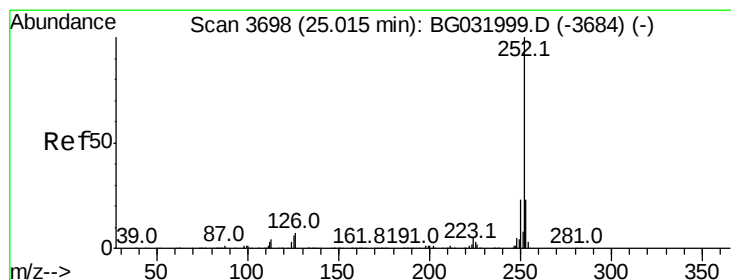
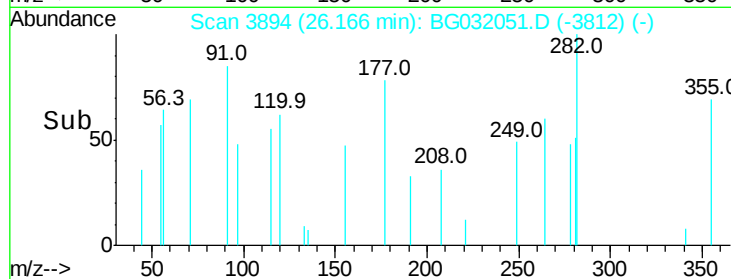
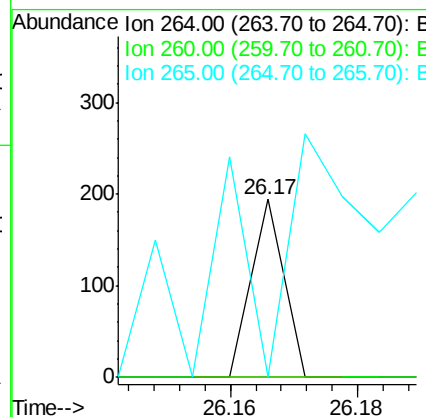
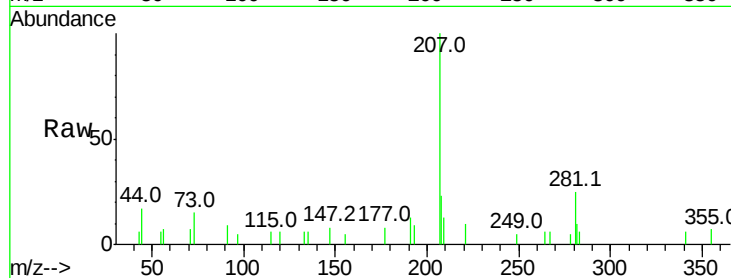




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.17 min Scan# 3894
 Delta R.T. -0.05 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

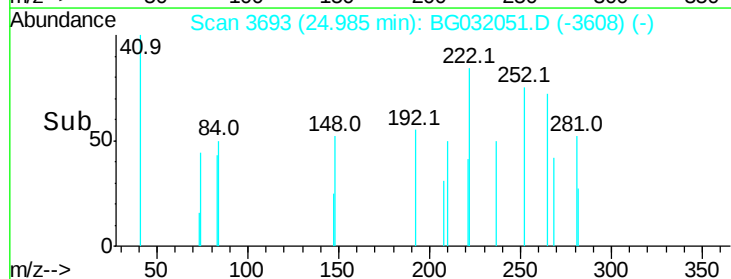
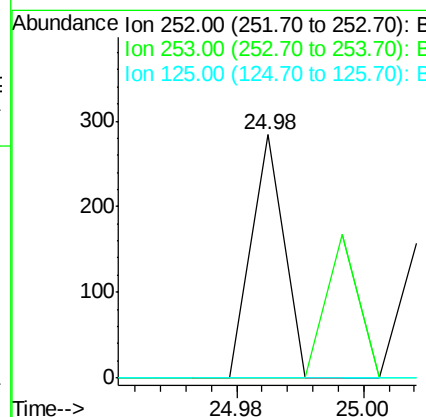
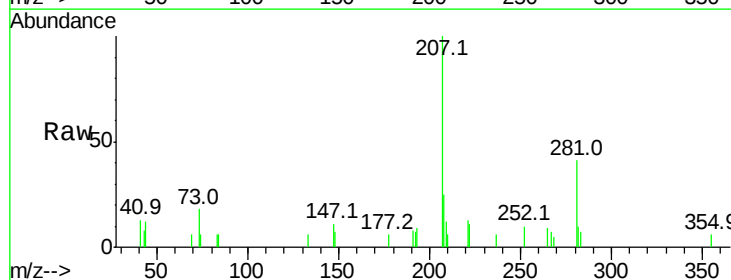
Instrument :
 BNA_G
 ClientSampleId :

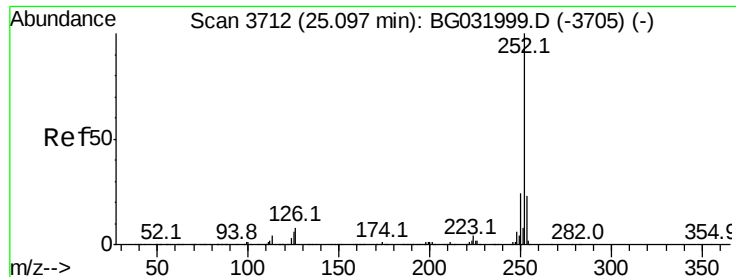
Tot Ion:264 Resp: 68
 Ion Ratio Lower Upper
 264 100
 260 0.0 17.4 26.0#
 265 0.0 17.7 26.5#



#87
 Benzo(b)fluoranthene
 Concen: 24.330 ng
 RT: 24.98 min Scan# 3693
 Delta R.T. -0.03 min
 Lab File: BG032051.D
 Acq: 16 Jan 2018 3:36

Tgt Ion:252 Resp: 100
 Ion Ratio Lower Upper
 252 100
 253 0.0 18.2 27.4#
 125 0.0 7.2 10.8#

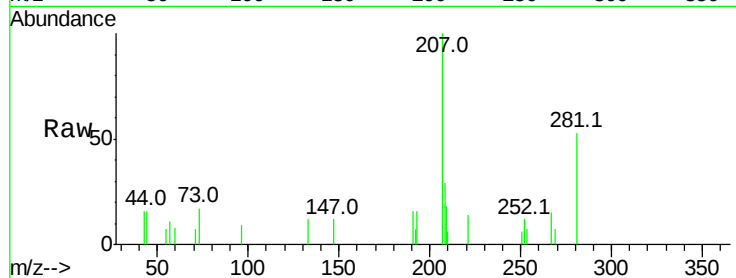




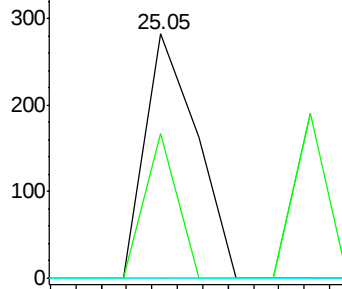
#88
Benzo(k)fluoranthene
Concen: 39.090 ng
RT: 25.05 min Scan# 3704
Delta R.T. -0.05 min
Lab File: BG032051.D
Acq: 16 Jan 2018 3:36

Instrument :
BNA_G
ClientSampleId :

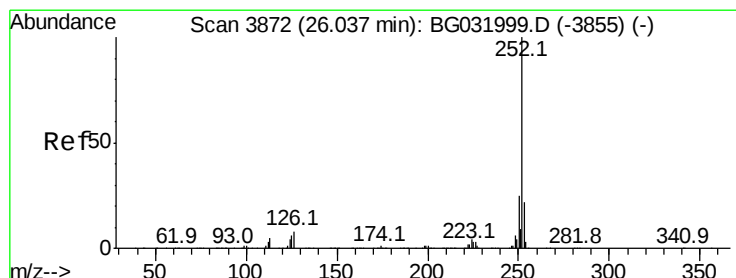
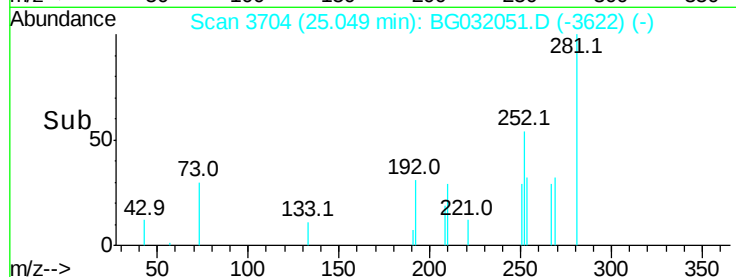
Tot Ion	Ratio	Lower	Upper
252	100		
253	59.2	17.4	26.2#
125	0.0	6.6	9.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

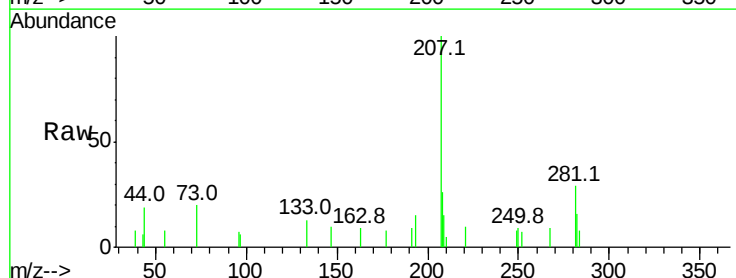


Time-->

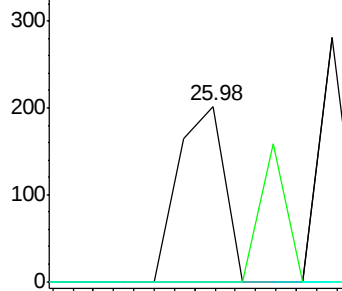


#89
Benzo(a)pyrene
Concen: 33.178 ng
RT: 25.98 min Scan# 3863
Delta R.T. -0.05 min
Lab File: BG032051.D
Acq: 16 Jan 2018 3:36

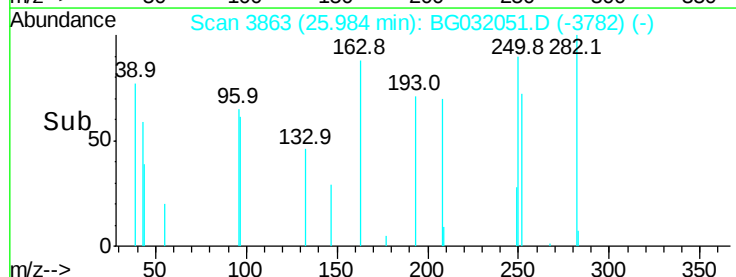
Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	7.3	10.9#

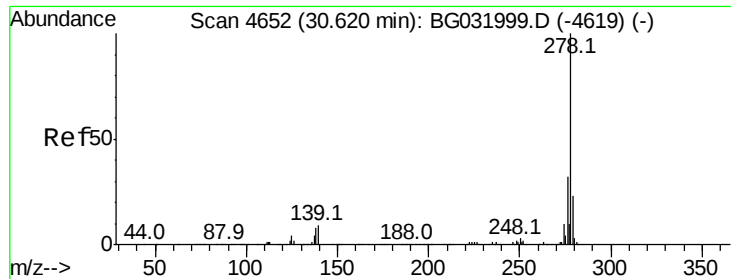


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 24.555 ng

RT: 30.57 min Scan# 4643

Delta R.T. -0.05 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

Instrument :

BNA_G

ClientSampleId :

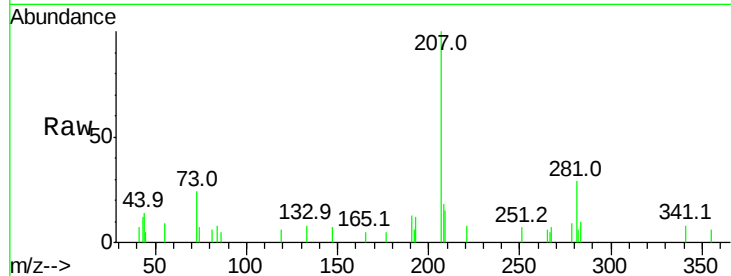
Tot Ion:278 Resp: 92

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

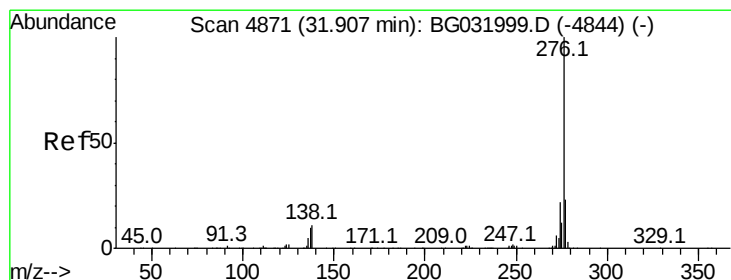
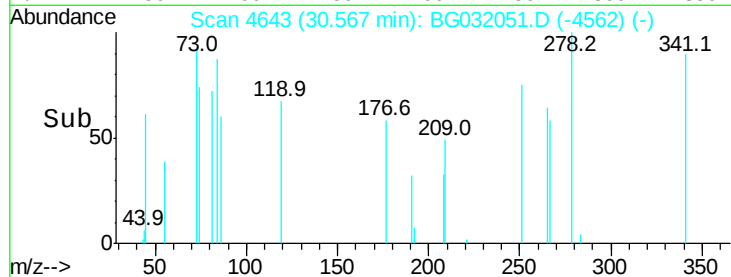
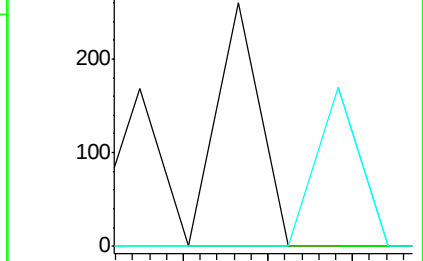
279 0.0 18.4 27.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.101 ng

RT: 31.58 min Scan# 4816

Delta R.T. -0.32 min

Lab File: BG032051.D

Acq: 16 Jan 2018 3:36

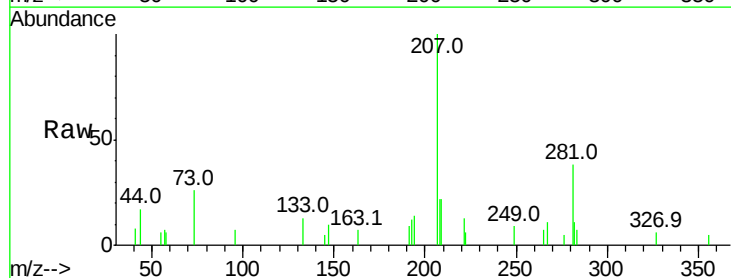
Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 0.0 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

