

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021217.D
 Acq On : 2 Mar 2016 17:43
 Operator : UM/SJ
 Sample : H1557-01RE 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 00:11:42 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 11:46:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	14408	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	75382	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	44702	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	95549	20.00	ng	0.00
75) Chrysene-d12	21.76	240	100537	20.00	ng	0.00
86) Perylene-d12	25.05	264	97107	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	6213	6.86	ng	0.00
7) Phenol-d6	7.30	99	10364	6.95	ng	0.00
23) Nitrobenzene-d5	9.31	82	7945	4.46	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	2705	5.82	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	14208	4.51	ng	-0.01
78) Terphenyl-d14	20.09	244	18580	4.48	ng	0.00

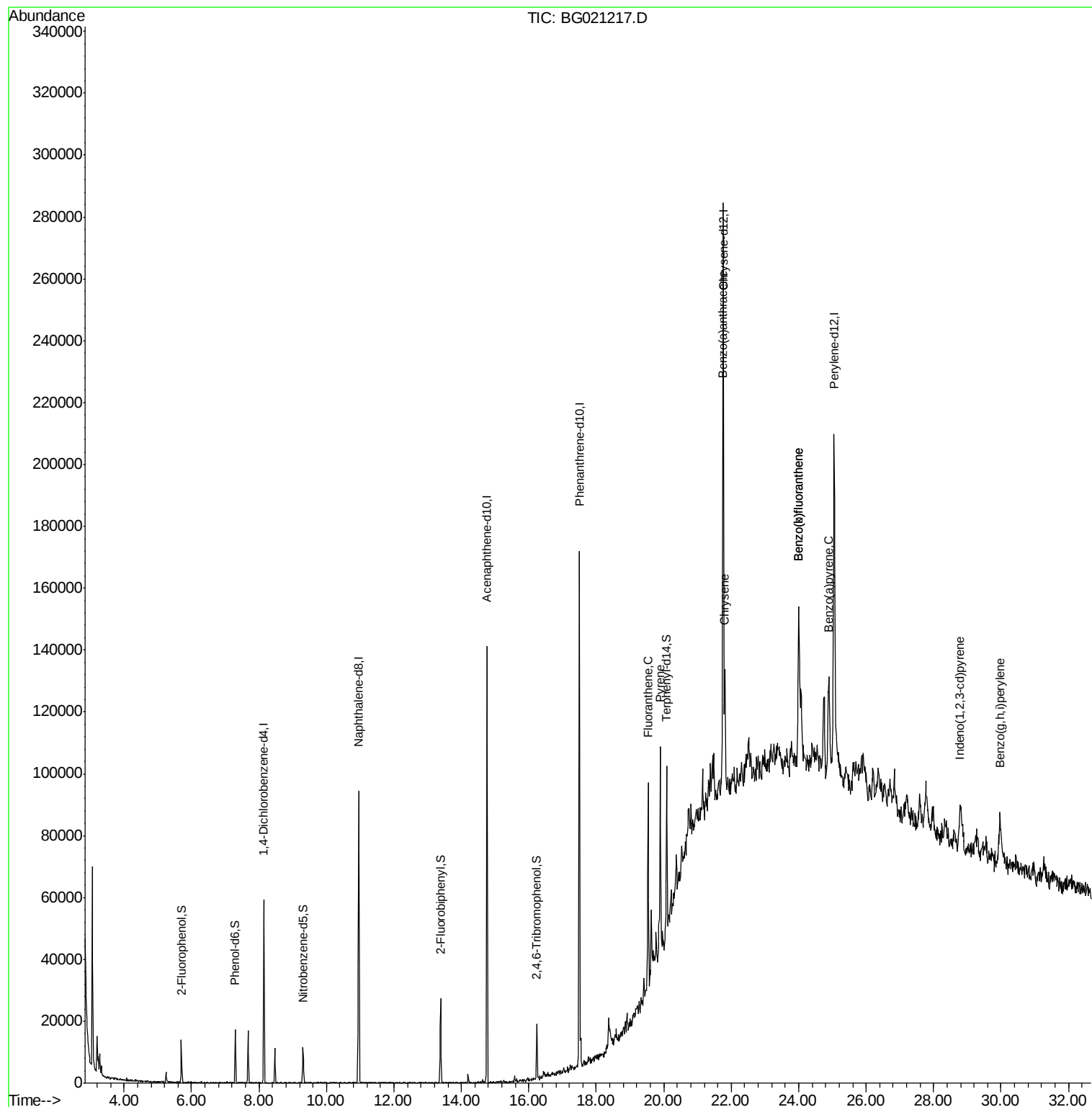
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
74) Fluoranthene	19.54	202	37568	6.20	ng	96
77) Pyrene	19.89	202	39202	6.54	ng	98
80) Benzo(a)anthracene	21.74	228	29565	4.97	ng	95
82) Chrysene	21.81	228	27048	4.80	ng	98
85) Indeno(1,2,3-cd)pyrene	28.79	276	22711	3.51	ng	# 78
87) Benzo(b)fluoranthene	24.01	252	53431	8.75	ng	# 92
88) Benzo(k)fluoranthene	24.01	252	53431	8.73	ng	# 91
89) Benzo(a)pyrene	24.89	252	29701	5.03	ng	# 89
91) Benzo(g,h,i)perylene	29.97	276	31909	5.65	ng	95

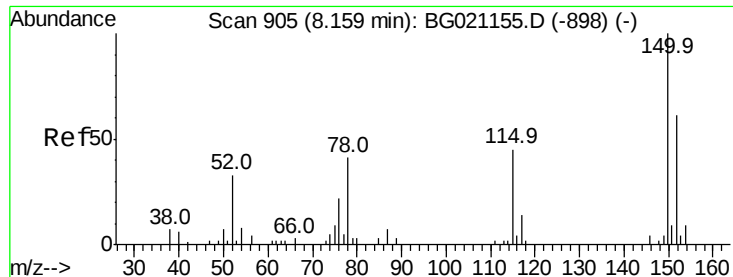
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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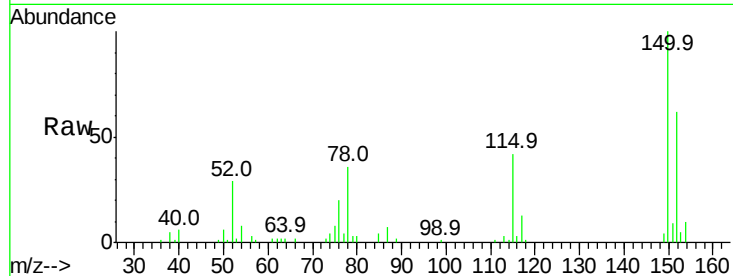


#1

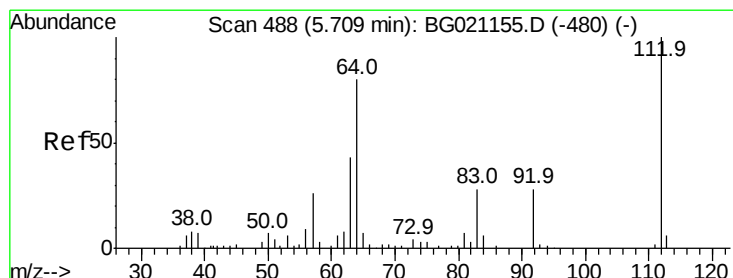
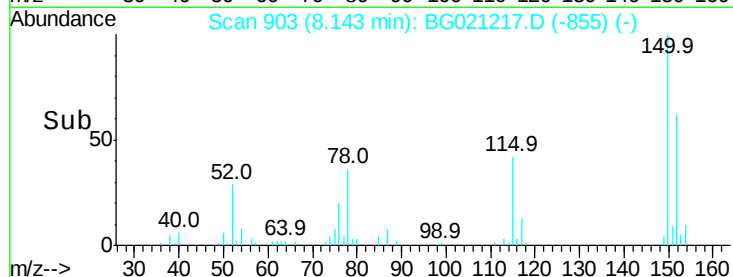
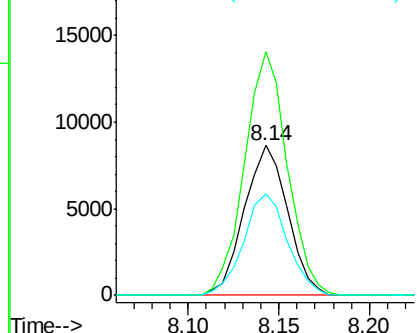
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.02 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 14408
Ion Ratio Lower Upper
152 100
150 162.3 123.4 185.2
115 67.5 43.3 64.9#



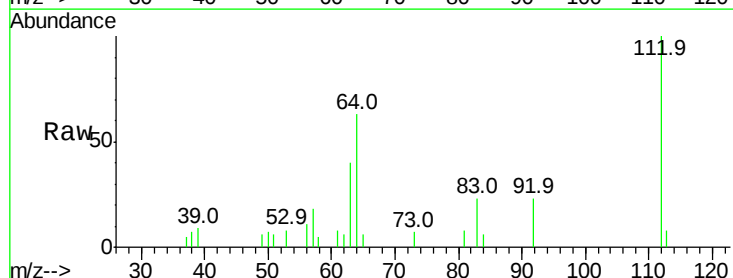
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



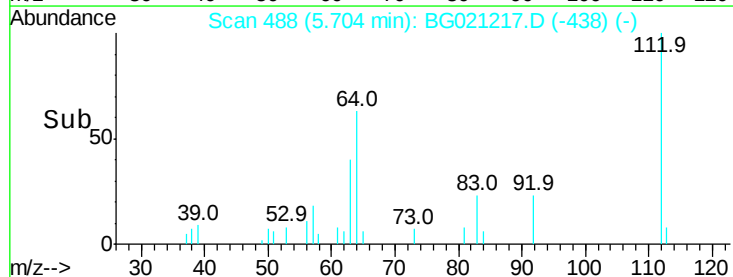
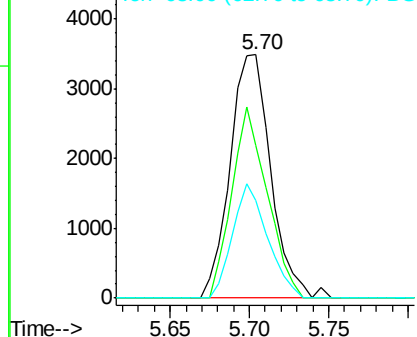
#5

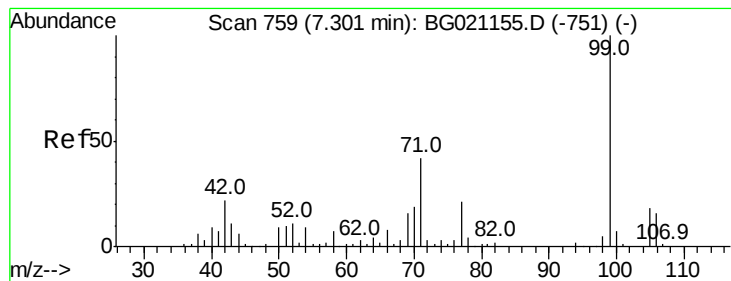
2-Fluorophenol
Concen: 6.86 ng
RT: 5.70 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Tgt Ion:112 Resp: 6213
Ion Ratio Lower Upper
112 100
64 62.6 42.6 63.8
63 39.9 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 6.95 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Instrument :

BNA_G

ClientSampleId :

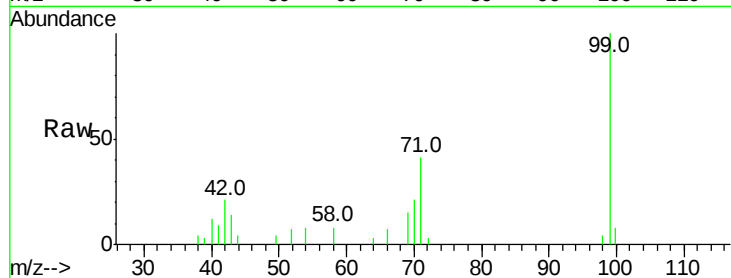
Tot Ion: 99 Resp: 10364

Ion Ratio Lower Upper

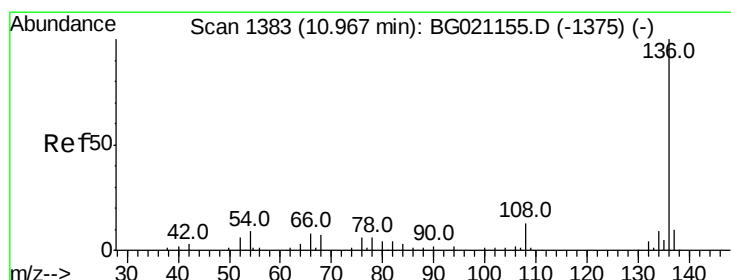
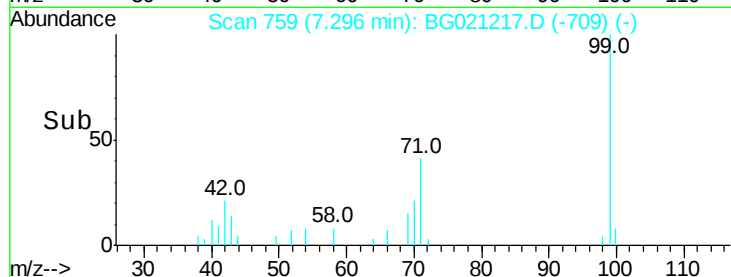
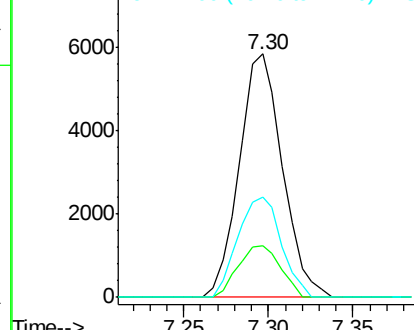
99 100

42 21.2 13.2 19.8#

71 41.3 25.2 37.8#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Tgt Ion: 136 Resp: 75382

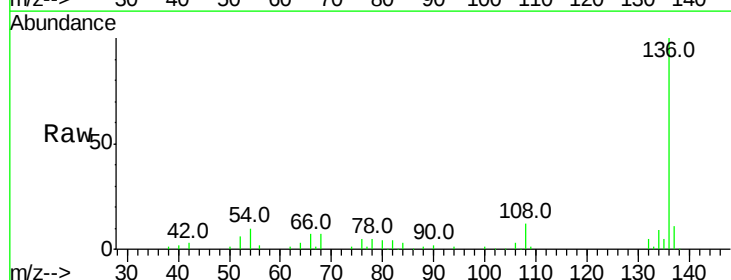
Ion Ratio Lower Upper

136 100

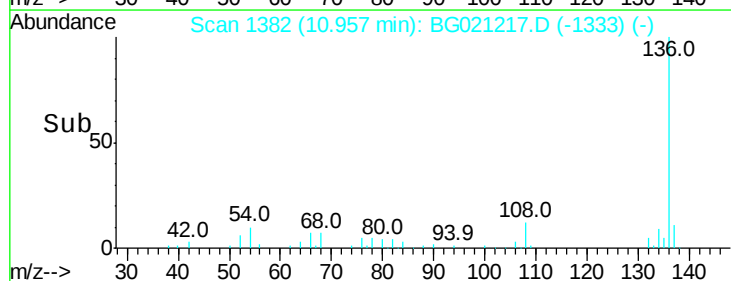
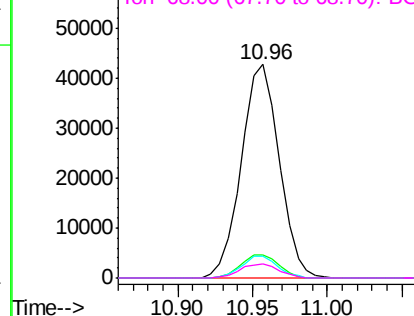
137 11.1 8.8 13.2

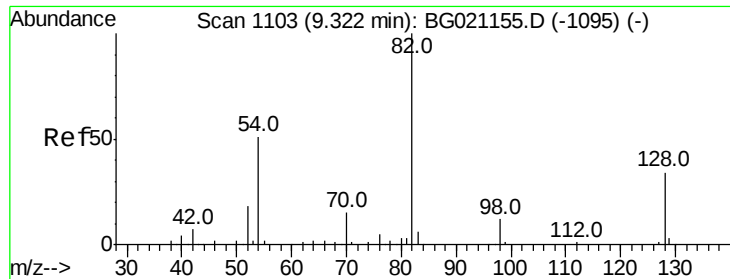
54 9.9 6.9 10.3

68 6.5 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

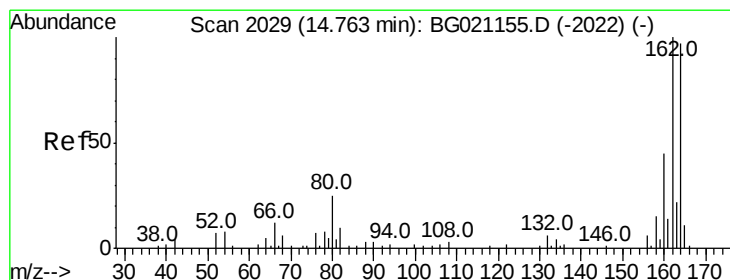
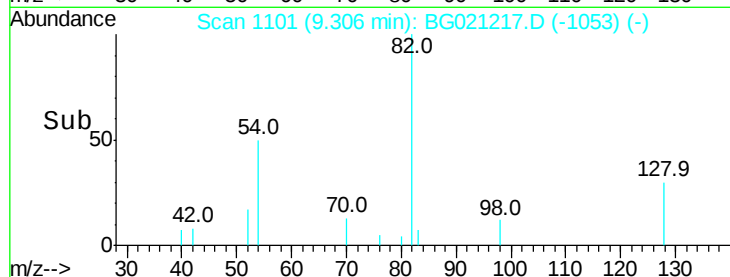
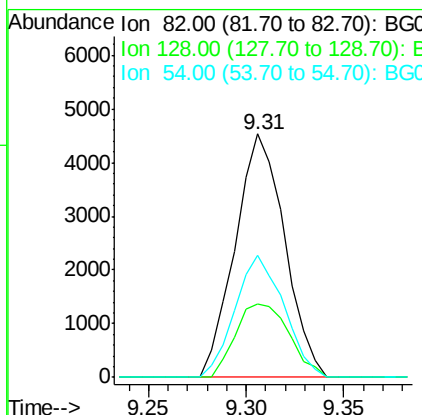
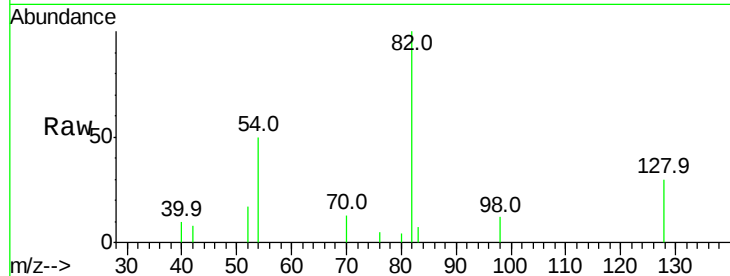




#23
Nitrobenzene-d5
Concen: 4.46 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.02 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

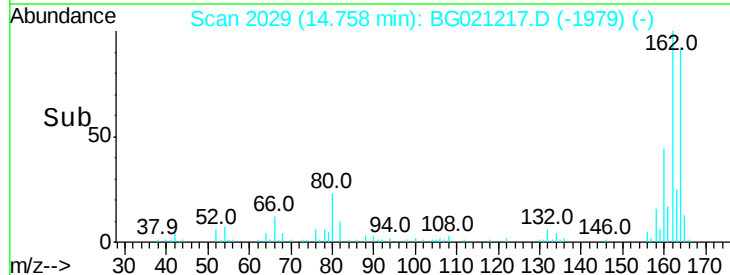
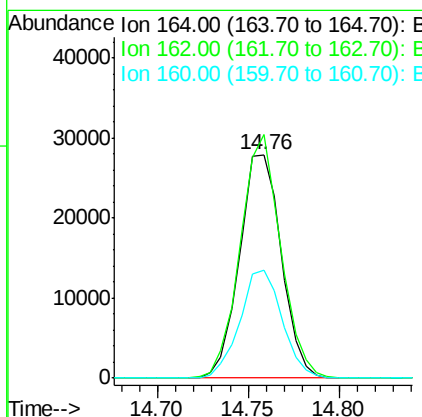
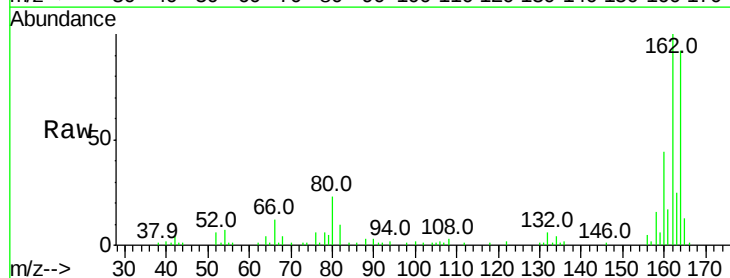
Instrument :
BNA_G
ClientSampleId :

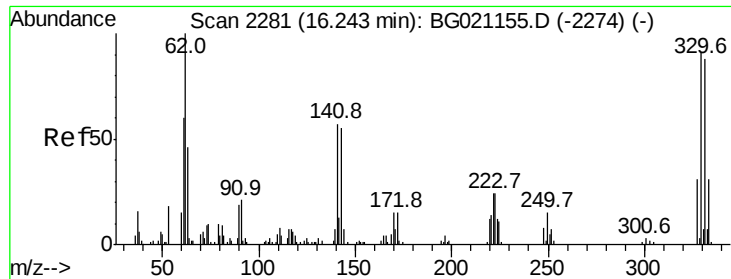
Tot Ion: 82 Resp: 7945
Ion Ratio Lower Upper
82 100
128 30.2 36.3 54.5#
54 50.0 37.6 56.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Tgt Ion:164 Resp: 44702
Ion Ratio Lower Upper
164 100
162 108.9 80.6 120.8
160 48.2 36.5 54.7

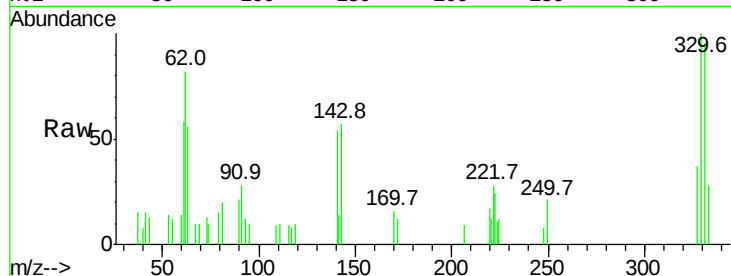




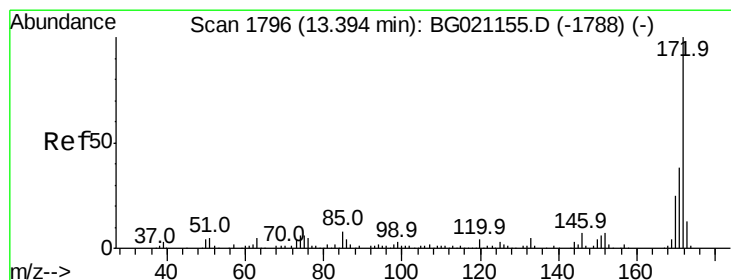
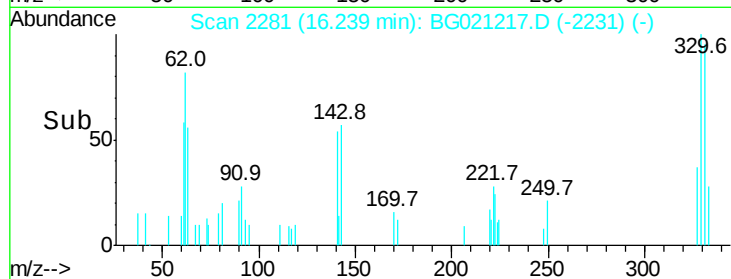
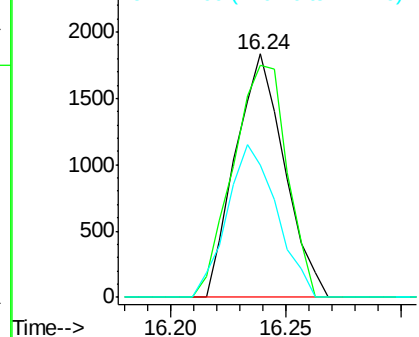
#41
 2,4,6-Tribromophenol
 Concen: 5.82 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BG021217.D
 Acq: 2 Mar 2016 17:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 2705
 Ion Ratio Lower Upper
 330 100
 332 105.2 77.4 116.0
 141 63.7 35.3 52.9#

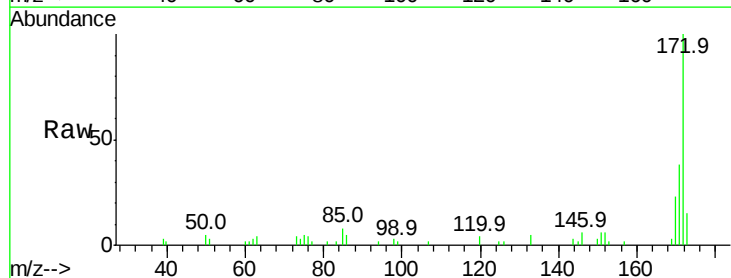


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

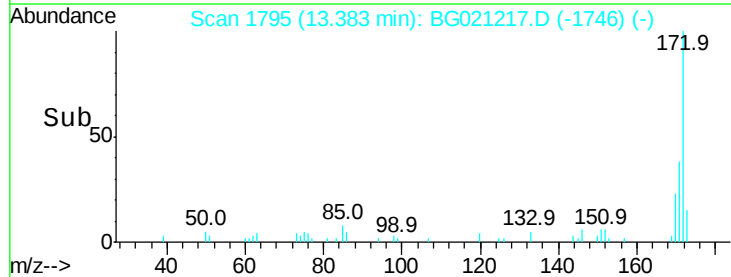
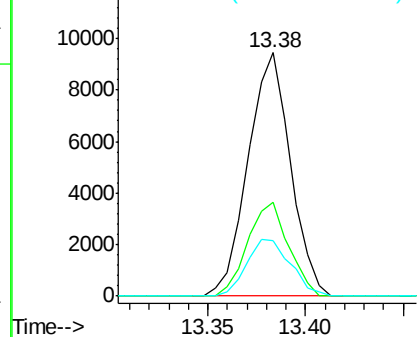


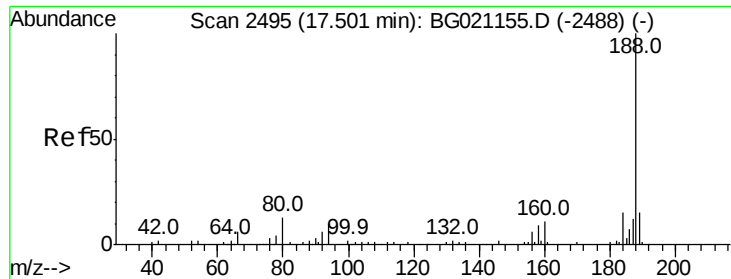
#44
 2-Fluorobiphenyl
 Concen: 4.51 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021217.D
 Acq: 2 Mar 2016 17:43

Tgt Ion:172 Resp: 14208
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.4 44.0
 170 22.9 19.8 29.8



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

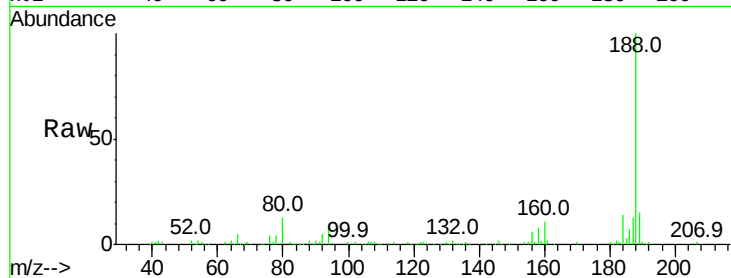




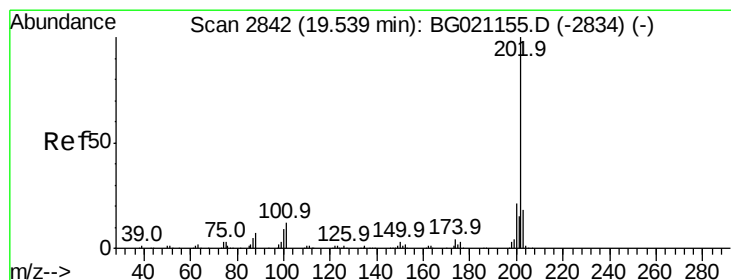
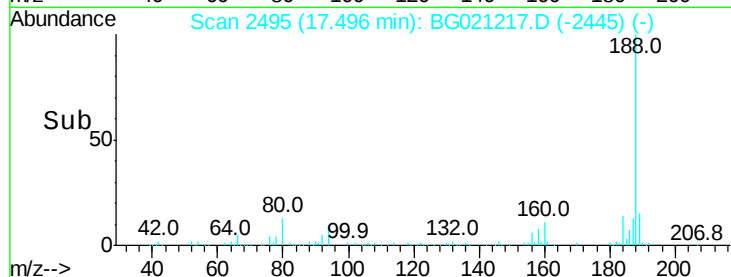
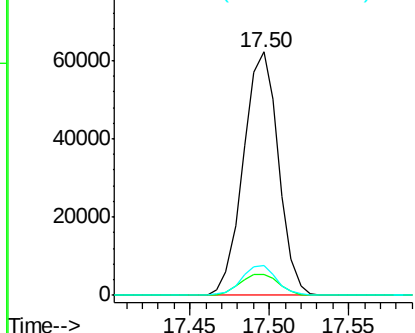
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2495
Delta R.T. -0.00 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 95549
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.4
80 12.5 9.2 13.8

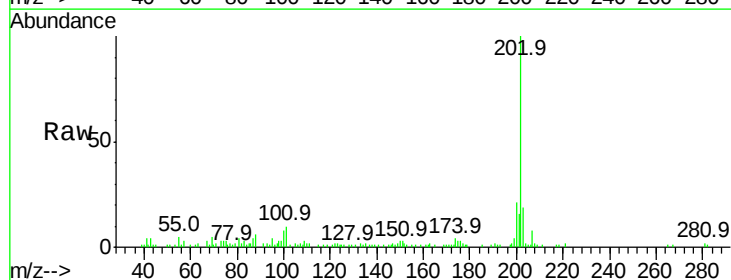


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

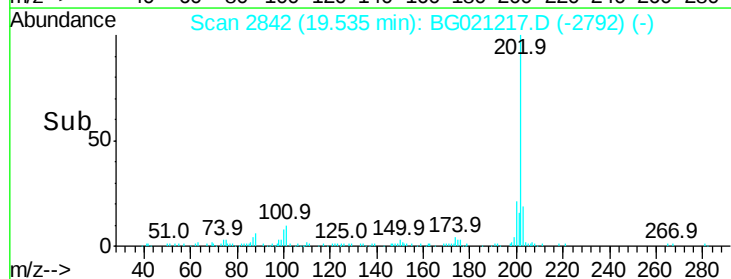
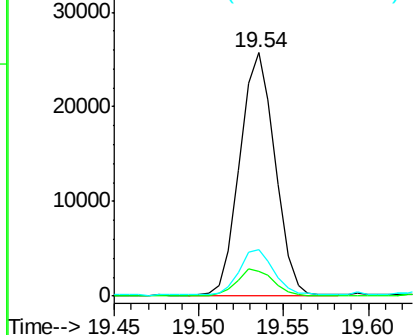


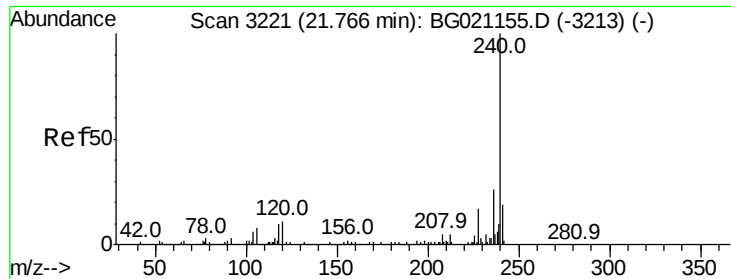
#74
Fluoranthene
Concen: 6.20 ng
RT: 19.54 min Scan# 2842
Delta R.T. -0.00 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Tgt Ion:202 Resp: 37568
Ion Ratio Lower Upper
202 100
101 10.2 0.0 32.5
203 19.2 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.00 min

Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

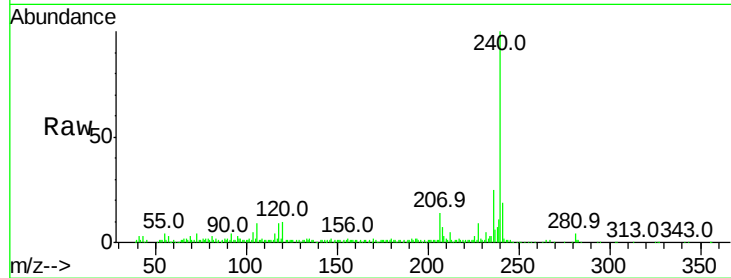
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 100537

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	25.3	20.5	30.7

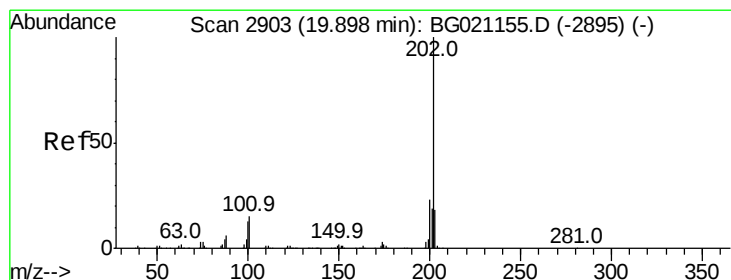
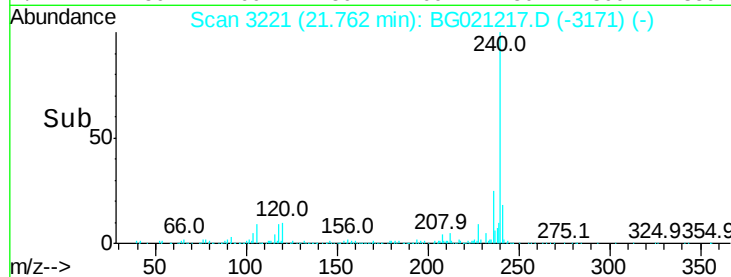
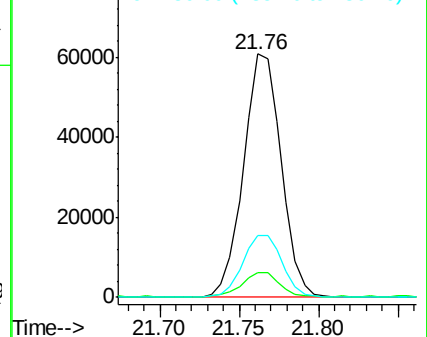


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.54 ng

RT: 19.89 min Scan# 2903

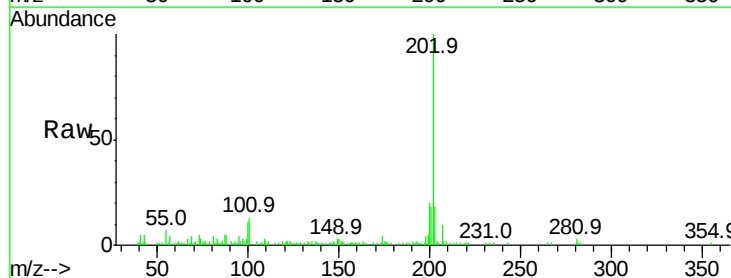
Delta R.T. -0.00 min

Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Tgt Ion:202 Resp: 39202

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.6	25.0
203	18.2	13.8	20.8

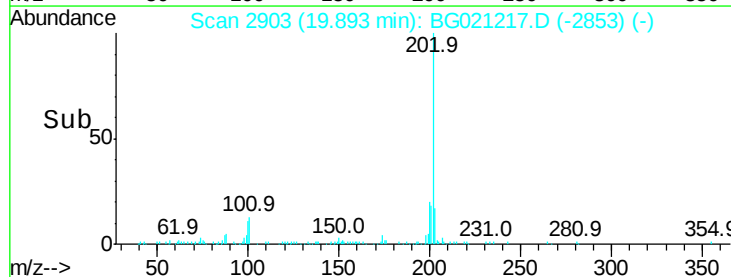
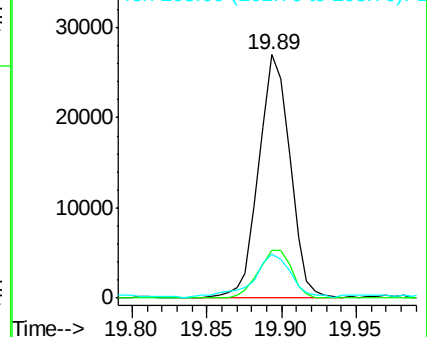


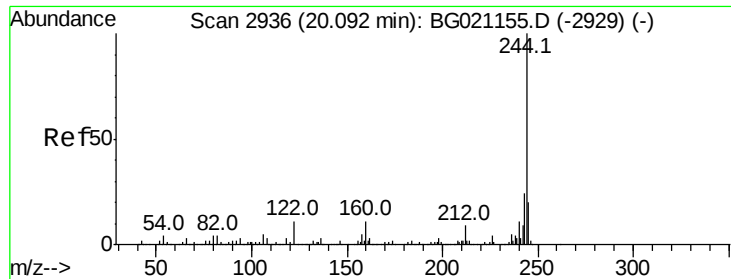
Abundance

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

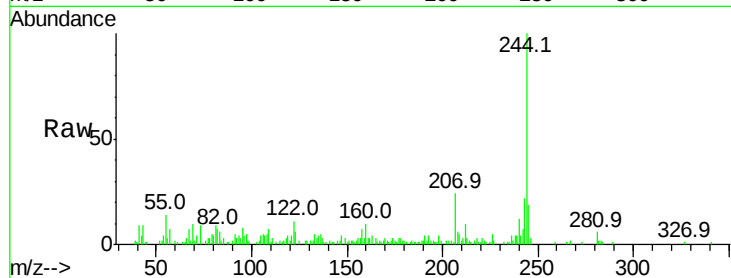




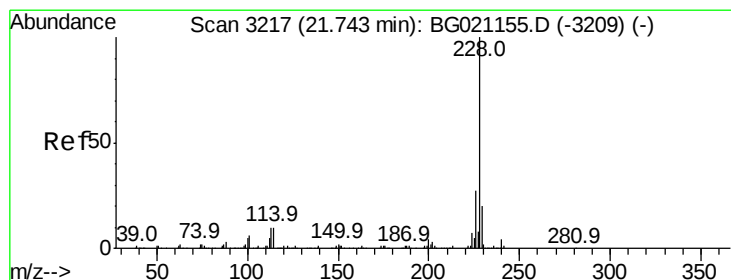
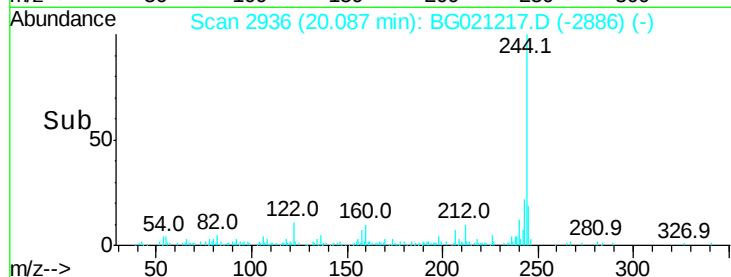
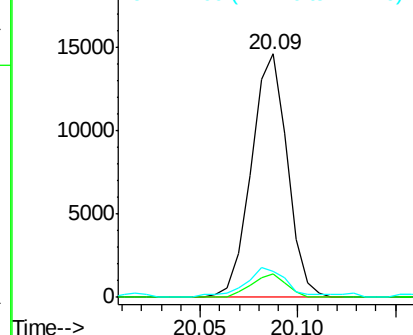
#78
 Terphenyl-d14
 Concen: 4.48 ng
 RT: 20.09 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: BG021217.D
 Acq: 2 Mar 2016 17:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.8	8.6#
122	10.6	8.3	12.5

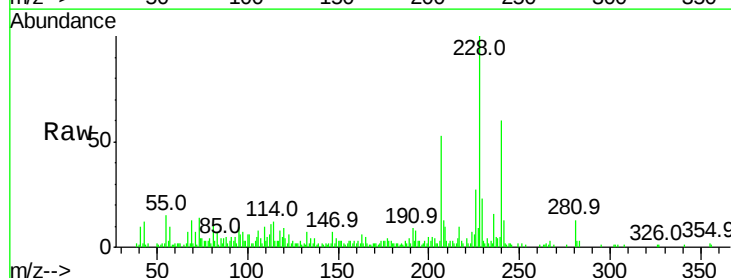


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

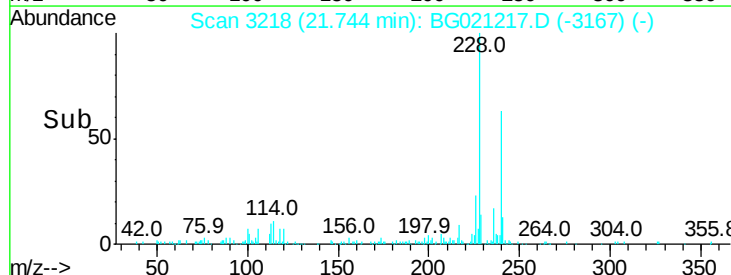
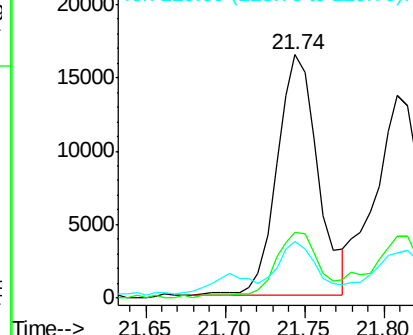


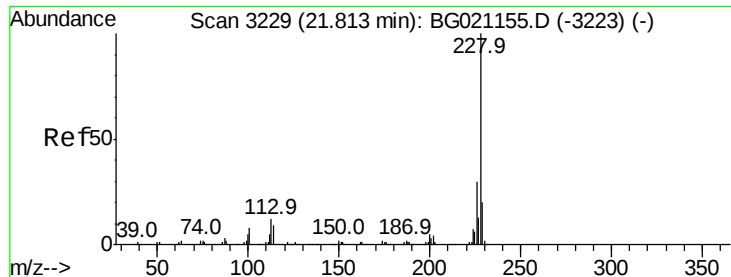
#80
 Benzo(a)anthracene
 Concen: 4.97 ng
 RT: 21.74 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: BG021217.D
 Acq: 2 Mar 2016 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.7	34.1
229	23.1	15.5	23.3



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

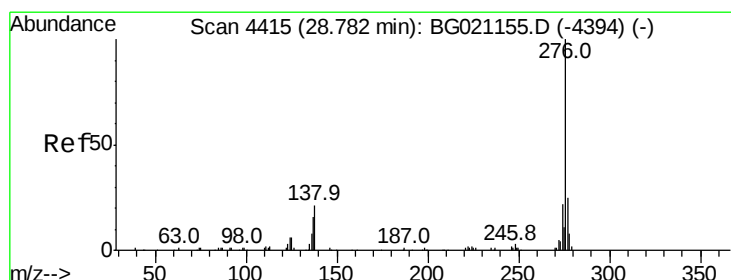
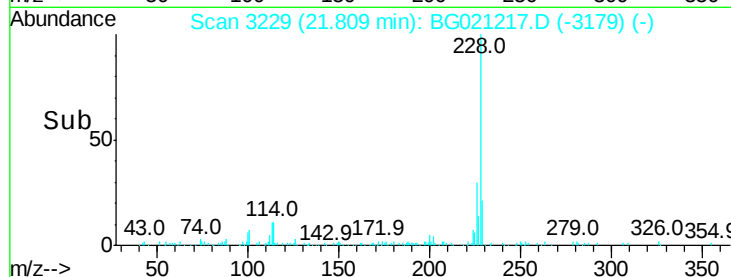
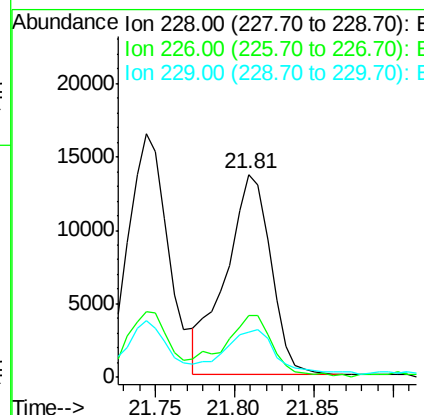
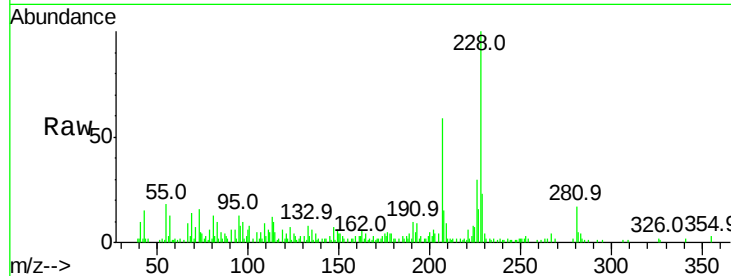




#82
Chrysene
Concen: 4.80 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

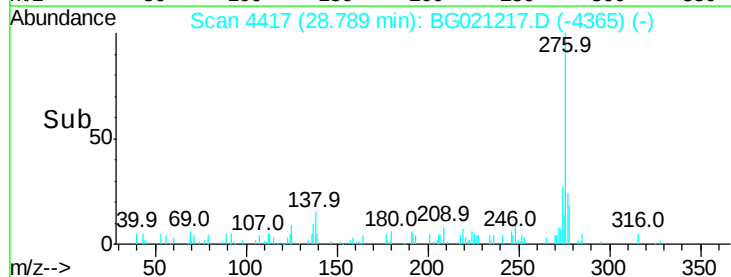
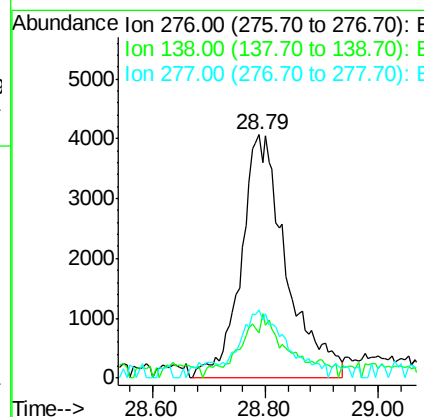
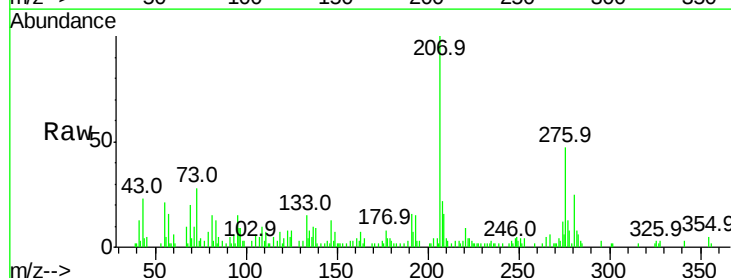
Instrument :
BNA_G
ClientSampleId :

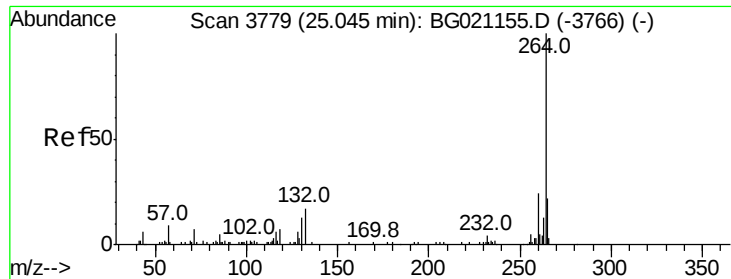
Tot Ion:228 Resp: 27048
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 22.5 16.7 25.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 28.79 min Scan# 4417
Delta R.T. 0.01 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Tgt Ion:276 Resp: 22711
Ion Ratio Lower Upper
276 100
138 8.1 16.0 24.0#
277 27.9 16.0 24.0#

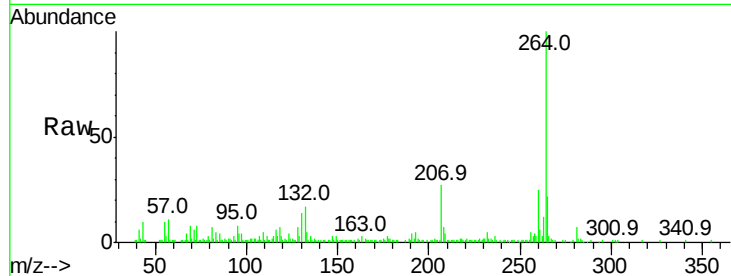




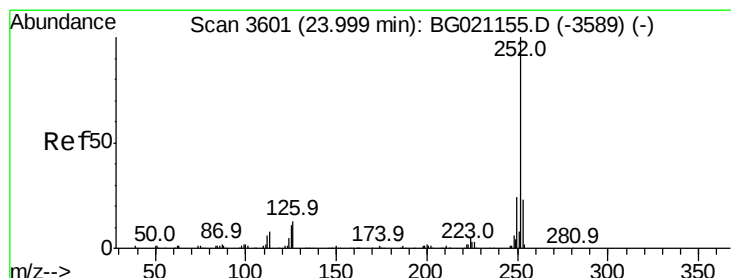
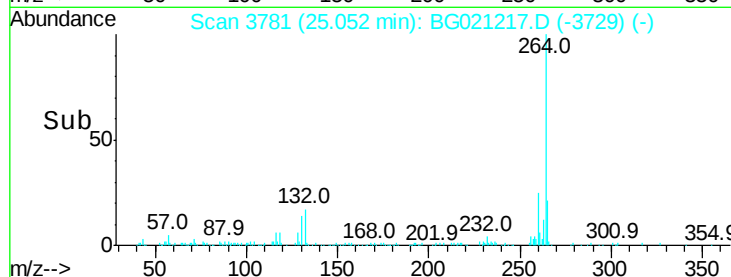
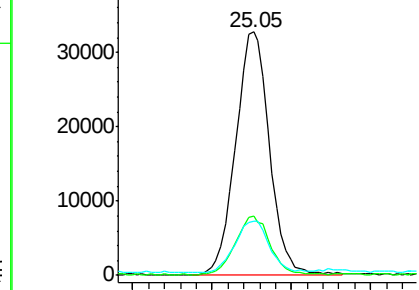
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3781
Delta R.T. 0.01 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 97107
Ion Ratio Lower Upper
264 100
260 24.6 18.5 27.7
265 22.0 18.6 28.0

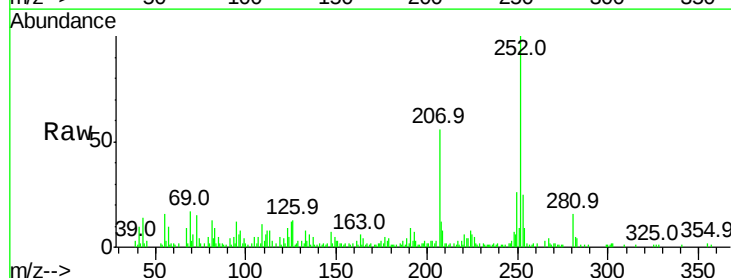


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

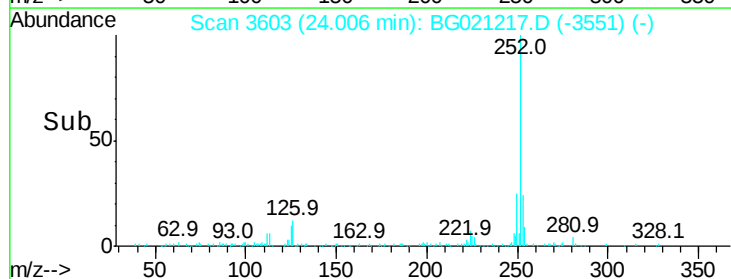
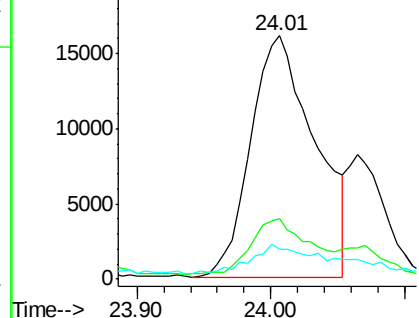


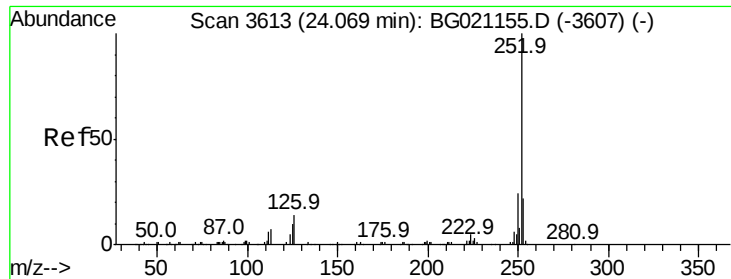
#87
Benzo(b)fluoranthene
Concen: 8.75 ng
RT: 24.01 min Scan# 3603
Delta R.T. 0.01 min
Lab File: BG021217.D
Acq: 2 Mar 2016 17:43

Tgt Ion:252 Resp: 53431
Ion Ratio Lower Upper
252 100
253 25.0 16.8 25.2
125 12.4 8.2 12.2#



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





#88

Benzo(k)fluoranthene

Concen: 8.73 ng

RT: 24.01 min Scan# 3603

Delta R.T. -0.06 min

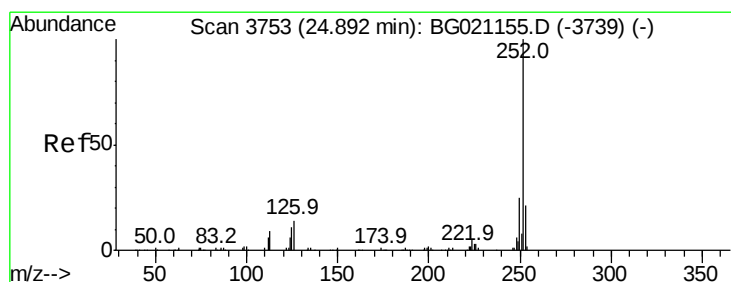
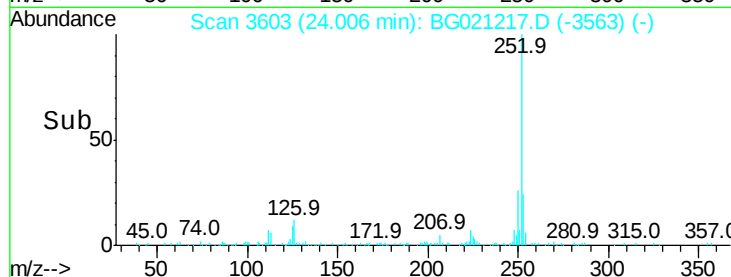
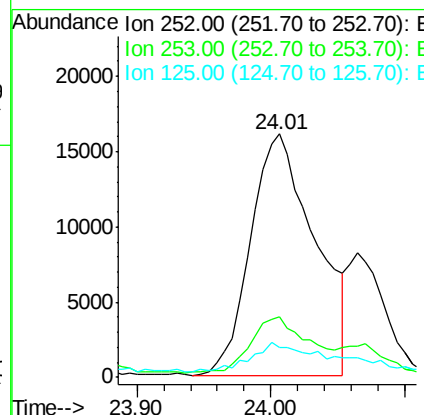
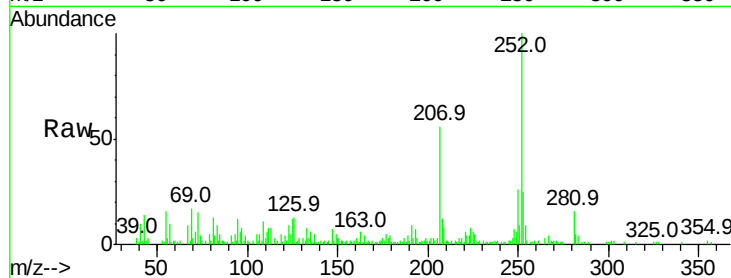
Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 53431

Ion	Ratio	Lower	Upper
252	100		
253	25.0	16.4	24.6#
125	12.4	8.2	12.2#



#89

Benzo(a)pyrene

Concen: 5.03 ng

RT: 24.89 min Scan# 3754

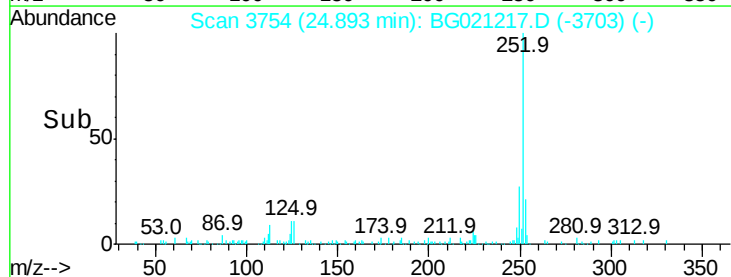
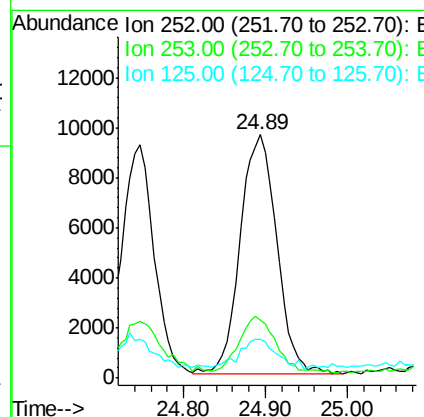
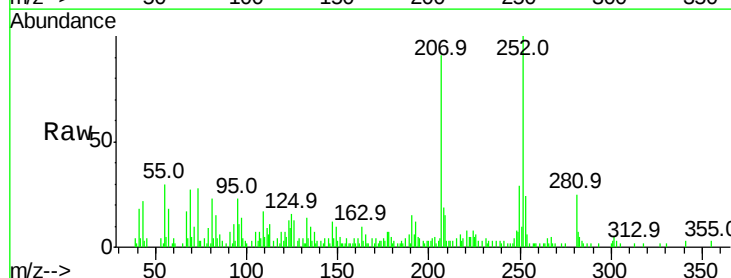
Delta R.T. 0.00 min

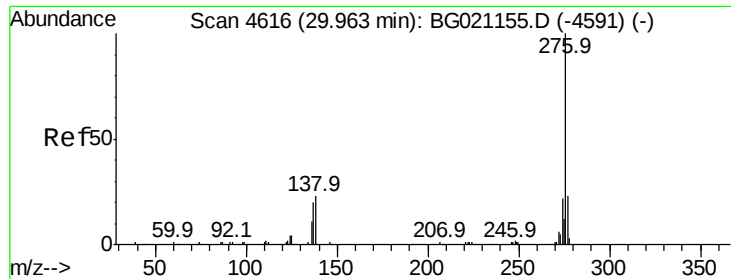
Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Tgt Ion:252 Resp: 29701

Ion	Ratio	Lower	Upper
252	100		
253	24.0	15.8	23.8#
125	15.8	8.4	12.6#





#91

Benzo(a,h,i)perylene

Concen: 5.65 ng

RT: 29.97 min Scan# 4618

Delta R.T. 0.01 min

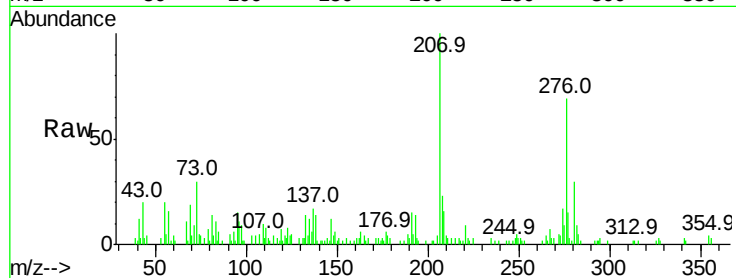
Lab File: BG021217.D

Acq: 2 Mar 2016 17:43

Instrument :

BNA_G

ClientSampleId :



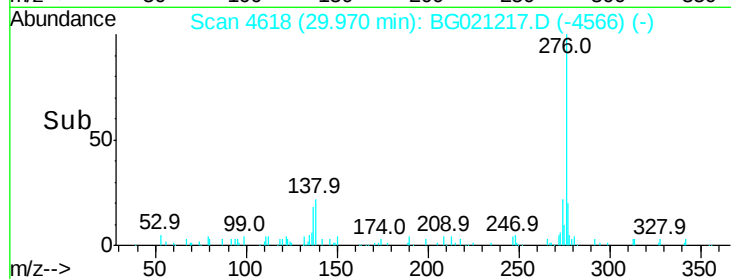
Tot Ion:276 Resp: 31909

Ion Ratio Lower Upper

276 100

277 22.5 16.6 25.0

138 21.0 14.6 21.8



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

