

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021219.D
 Acq On : 2 Mar 2016 19:02
 Operator : UM/SJ
 Sample : H1529-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 00:12:17 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

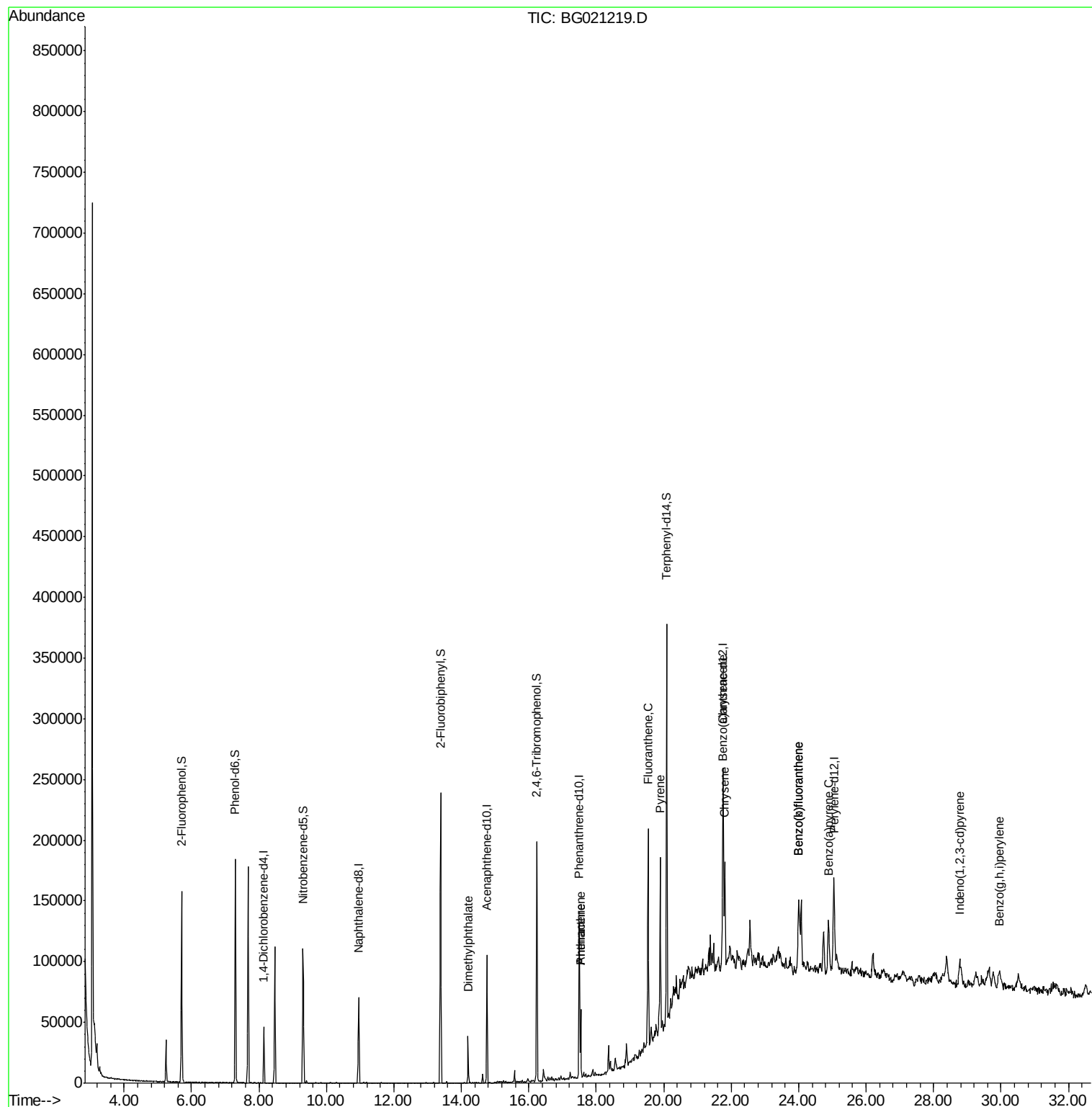
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	11609	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	58372	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	34769	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	74773	20.00	ng	0.00
75) Chrysene-d12	21.76	240	81185	20.00	ng	0.00
86) Perylene-d12	25.05	264	77017	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	65639	89.89	ng	0.00
7) Phenol-d6	7.30	99	103752	86.41	ng	0.00
23) Nitrobenzene-d5	9.31	82	73510	53.29	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	29191	80.69	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	113658	46.42	ng	0.00
78) Terphenyl-d14	20.09	244	129336	38.59	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.20	163	22329	7.21	ng	Qvalue # 98
70) Phenanthrene	17.54	178	32722	8.11	ng	98
71) Anthracene	17.54	178	32722	7.92	ng	97
74) Fluoranthene	19.54	202	104079	21.95	ng	98
77) Pyrene	19.89	202	82617	17.06	ng	97
80) Benzo(a)anthracene	21.75	228	37580	7.82	ng	99
82) Chrysene	21.81	228	53743	11.80	ng	99
85) Indeno(1,2,3-cd)pyrene	28.78	276	29624	5.67	ng	# 89
87) Benzo(b)fluoranthene	24.00	252	69294	14.30	ng	95
88) Benzo(k)fluoranthene	24.00	252	69294	14.28	ng	95
89) Benzo(a)pyrene	24.89	252	41391	8.84	ng	96
91) Benzo(a,h,i)perylene	29.95	276	28418	6.35	ng	# 92

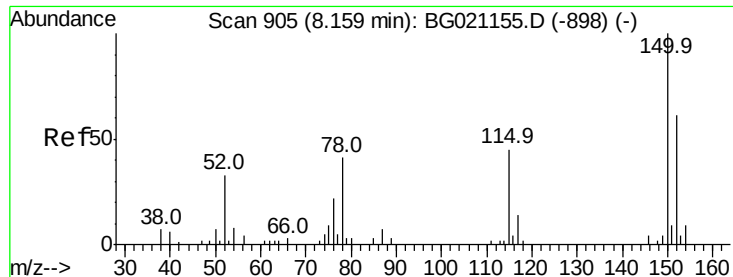
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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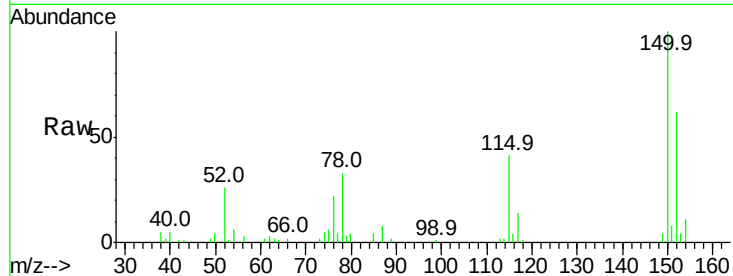


#1

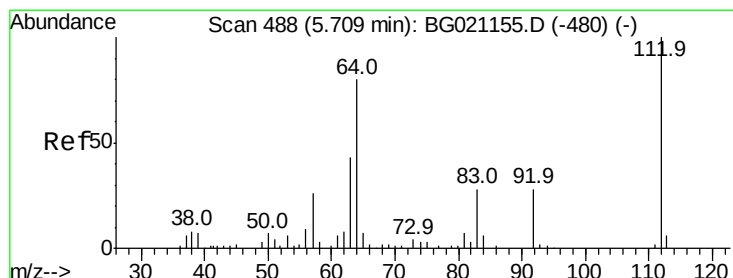
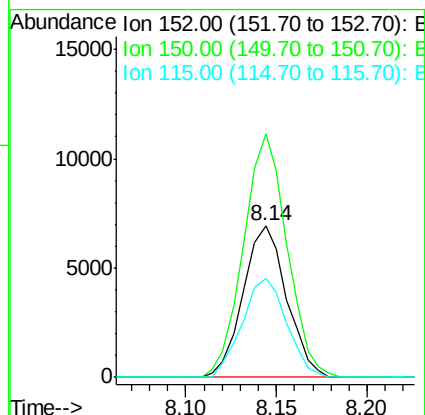
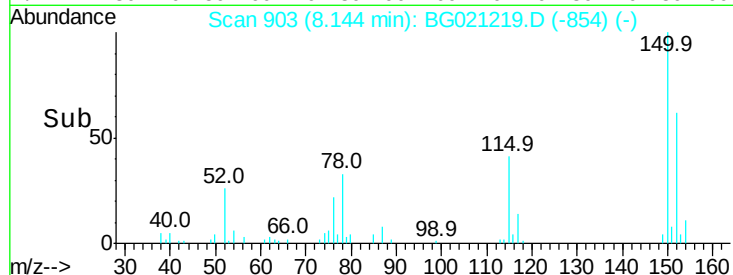
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 11609
Ion Ratio Lower Upper
152 100
150 160.1 123.4 185.2
115 64.9 43.3 64.9



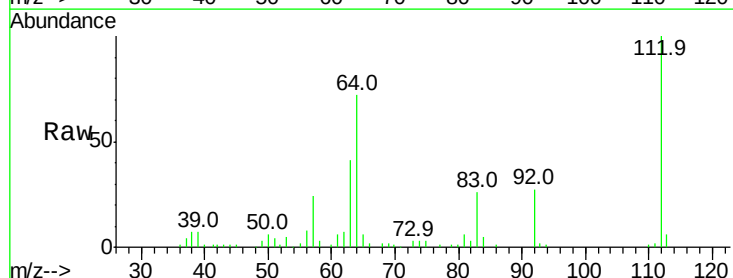
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



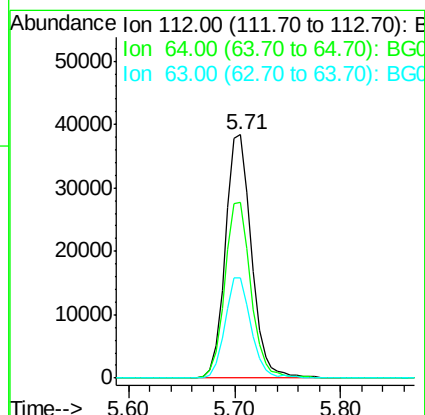
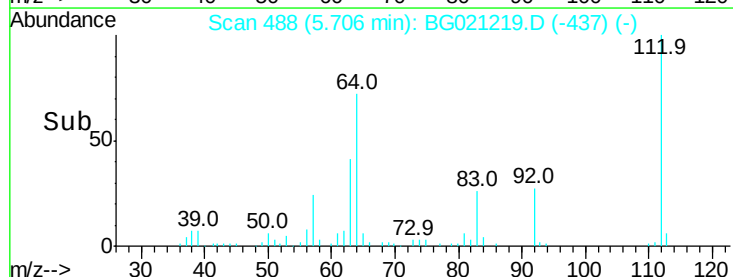
#5

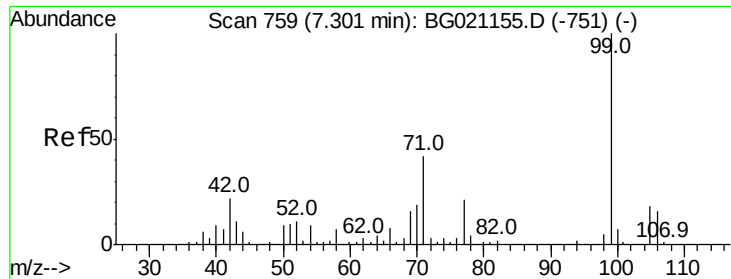
2-Fluorophenol
Concen: 89.89 ng
RT: 5.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Tgt Ion:112 Resp: 65639
Ion Ratio Lower Upper
112 100
64 72.2 42.6 63.8#
63 41.3 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: 86.41 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

Instrument :

BNA_G

ClientSampleId :

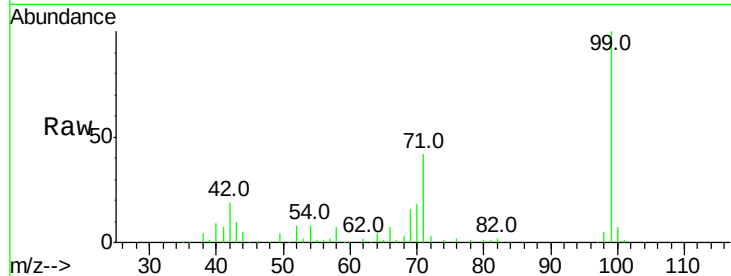
Tot Ion: 99 Resp: 103752

Ion Ratio Lower Upper

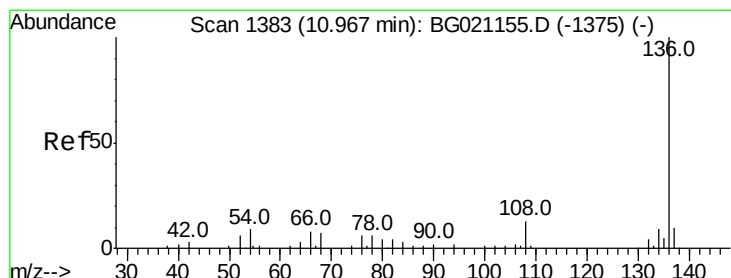
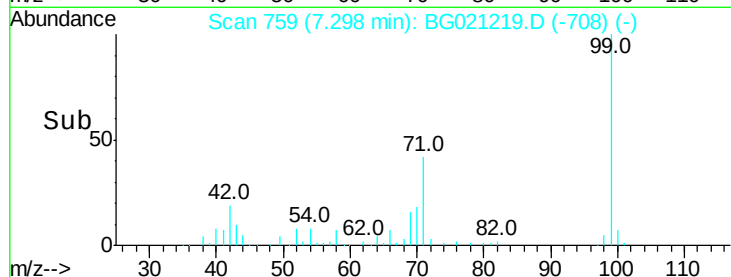
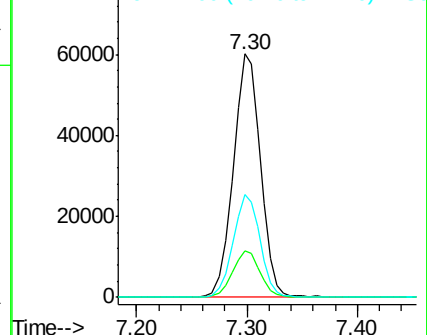
99 100

42 19.3 13.2 19.8

71 42.4 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: BG021219.D

Acq: 2 Mar 2016 19:02

Tgt Ion: 136 Resp: 58372

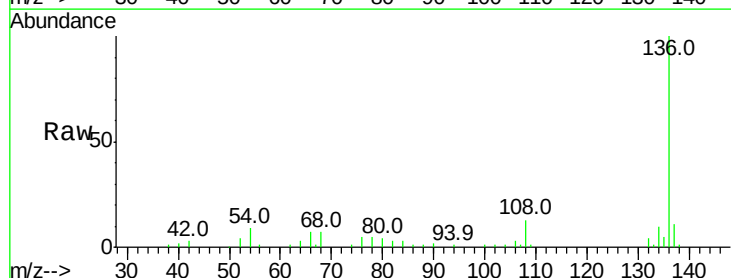
Ion Ratio Lower Upper

136 100

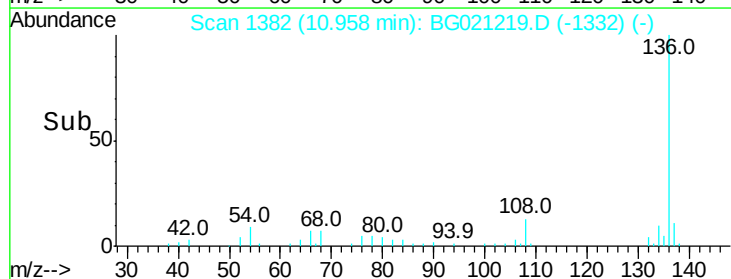
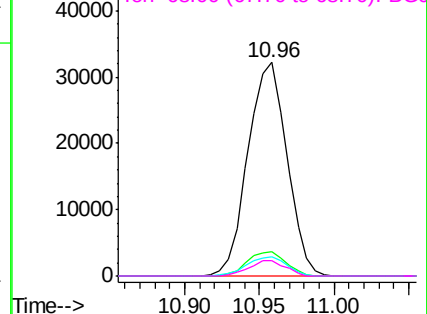
137 11.3 8.8 13.2

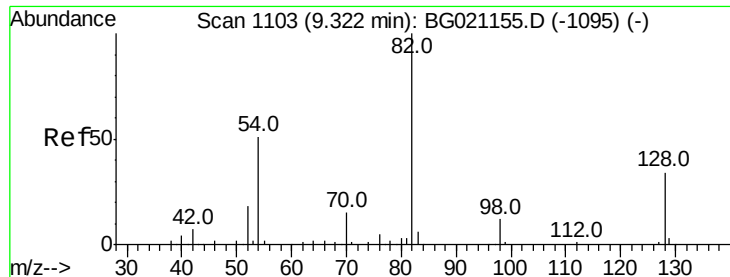
54 8.8 6.9 10.3

68 7.3 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

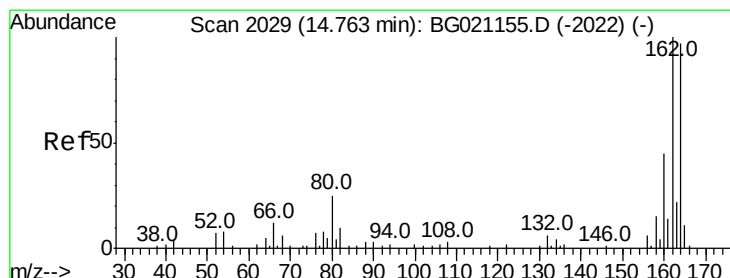
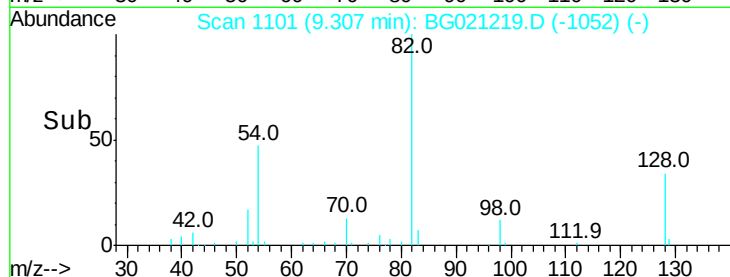
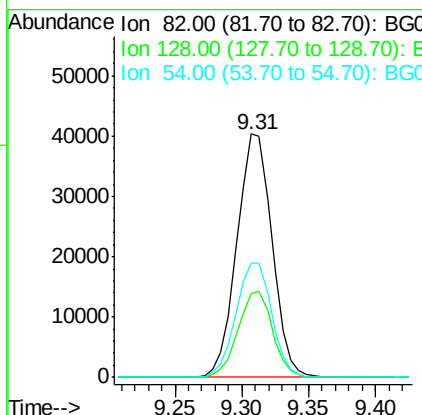
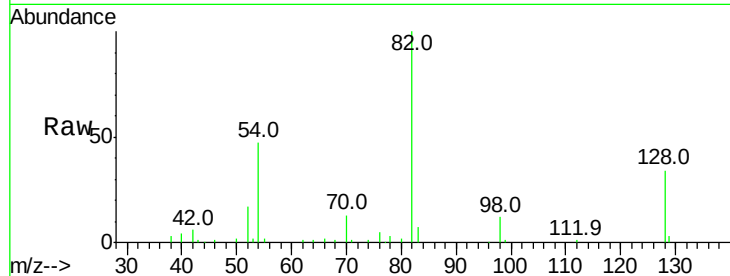




#23
 Nitrobenzene-d5
 Concen: 53.29 ng
 RT: 9.31 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

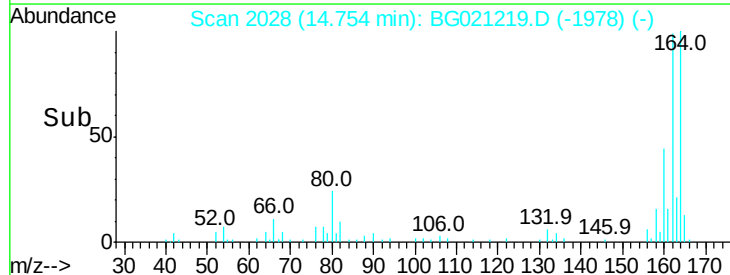
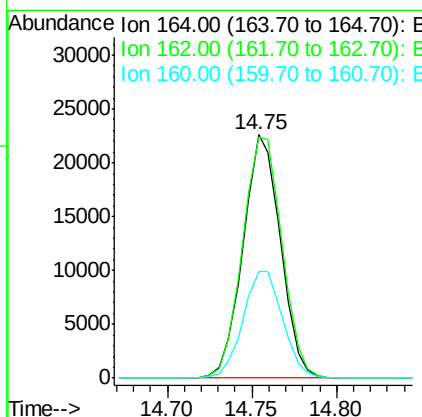
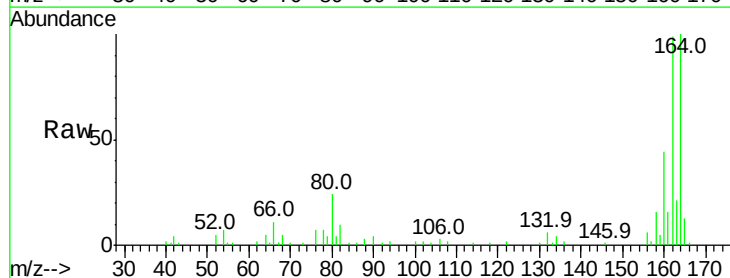
Instrument :
 BNA_G
 ClientSampled :

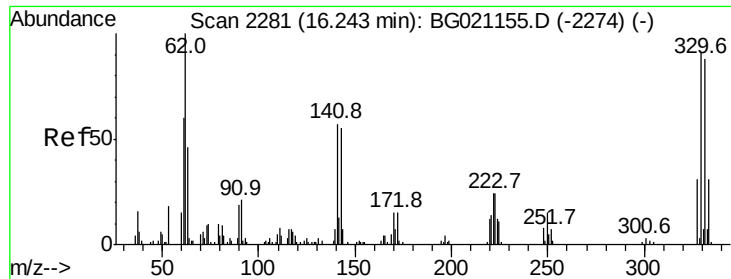
Tot Ion: 82 Resp: 73510
 Ion Ratio Lower Upper
 82 100
 128 34.3 36.3 54.5#
 54 46.9 37.6 56.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

Tgt Ion:164 Resp: 34769
 Ion Ratio Lower Upper
 164 100
 162 98.9 80.6 120.8
 160 43.8 36.5 54.7

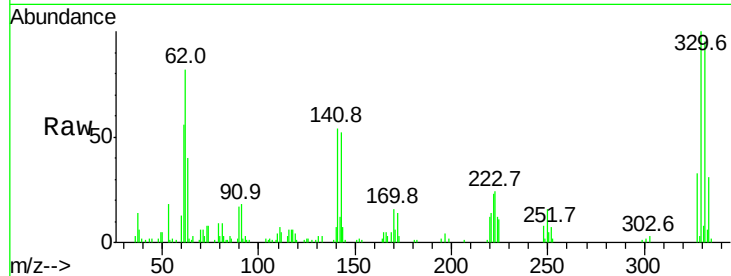




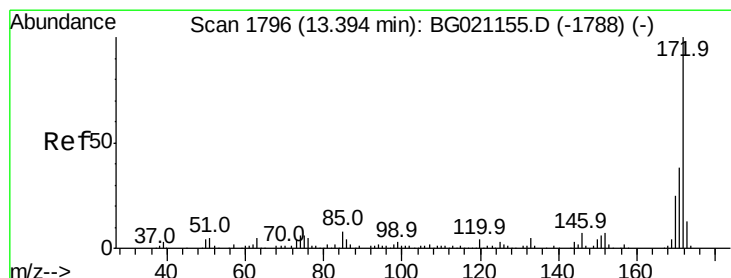
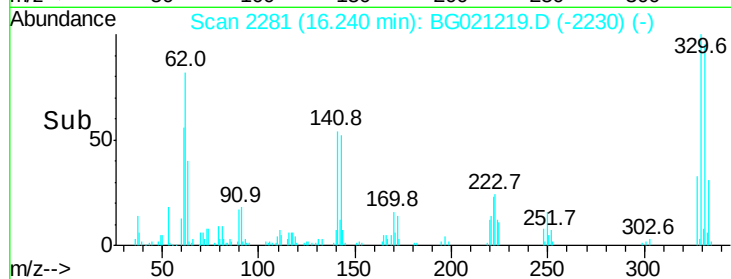
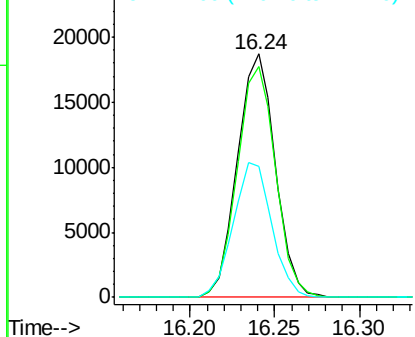
#41
 2,4,6-Tribromophenol
 Concen: 80.69 ng
 RT: 16.24 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 29191
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.0
 141 56.3 35.3 52.9#

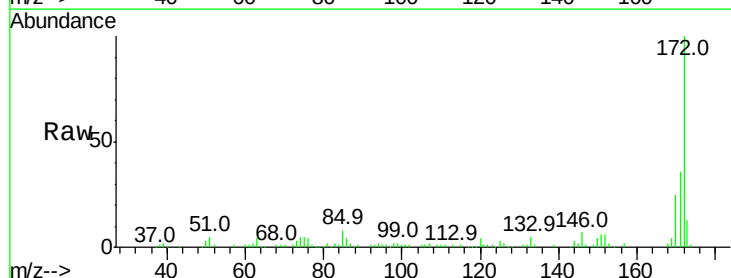


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

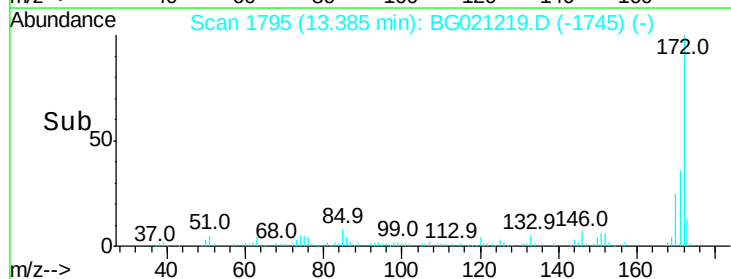
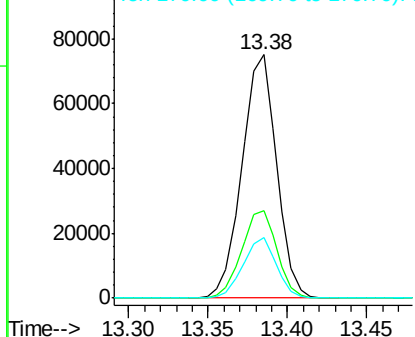


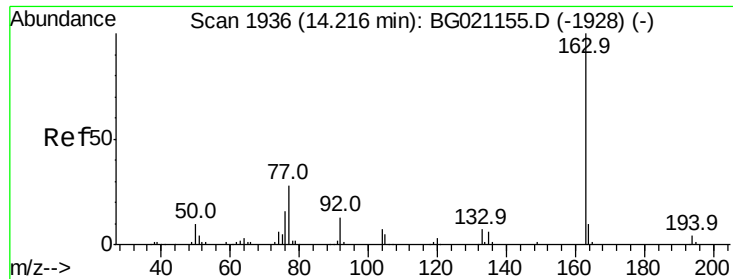
#44
 2-Fluorobiphenyl
 Concen: 46.42 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

Tgt Ion:172 Resp: 113658
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.9 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

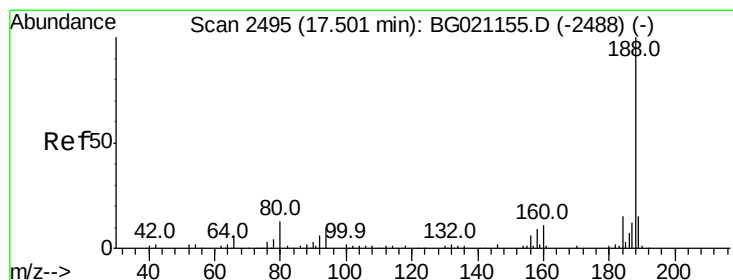
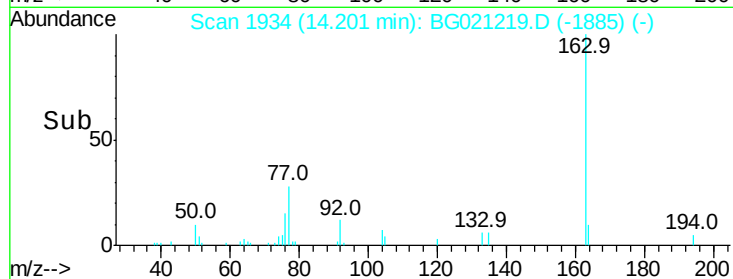
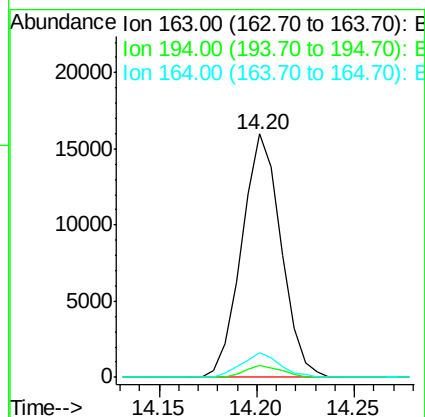
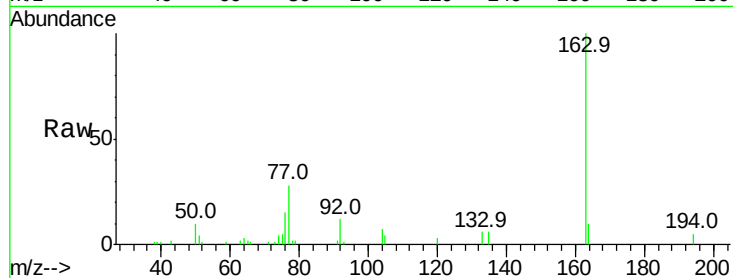




#49
Dimethylphthalate
Concen: 7.21 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

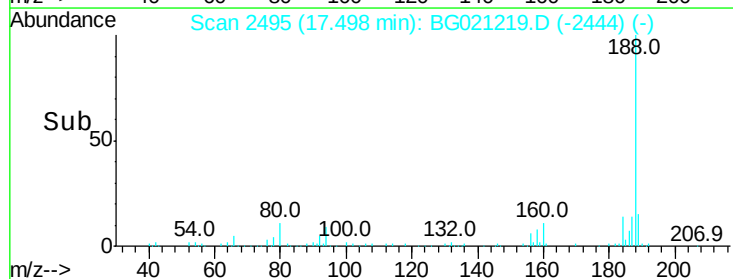
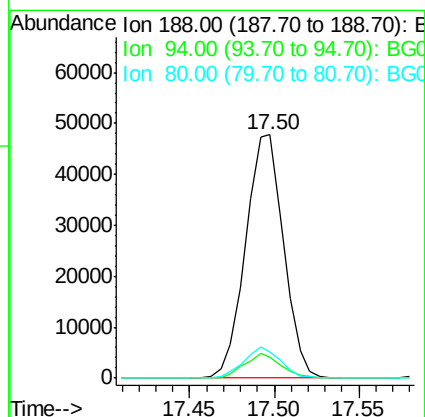
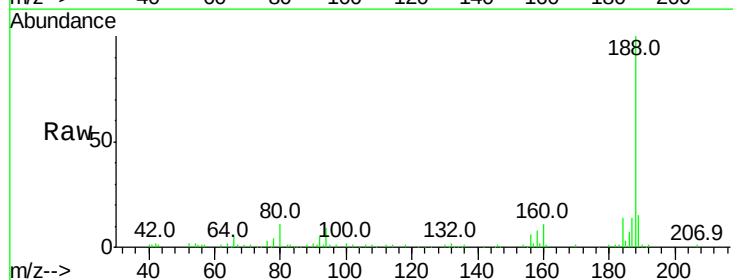
Instrument :
BNA_G
ClientSampleId :

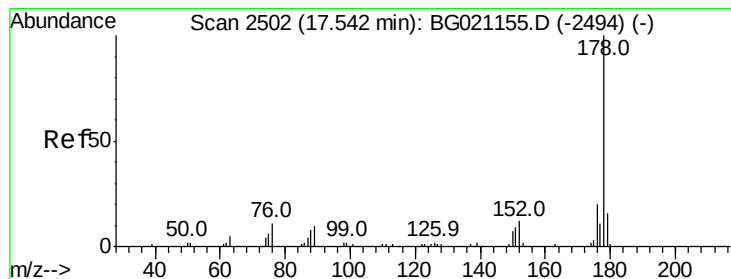
Tot Ion:163 Resp: 22329
Ion Ratio Lower Upper
163 100
194 4.7 2.8 4.2#
164 10.4 7.9 11.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2495
Delta R.T. -0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Tgt Ion:188 Resp: 74773
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 10.8 9.2 13.8





#70

Phenanthrene

Concen: 8.11 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.00 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

Instrument :

BNA_G

ClientSampled :

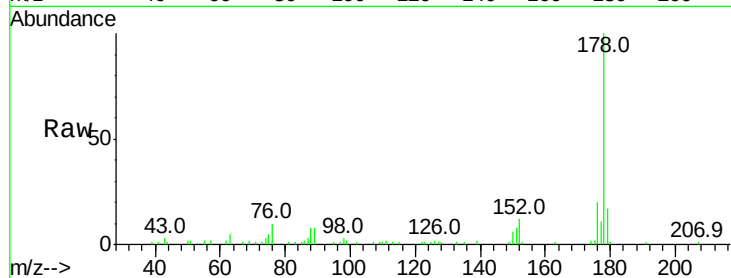
Tot Ion:178 Resp: 32722

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

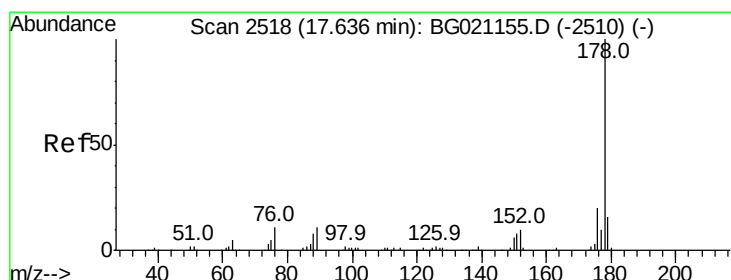
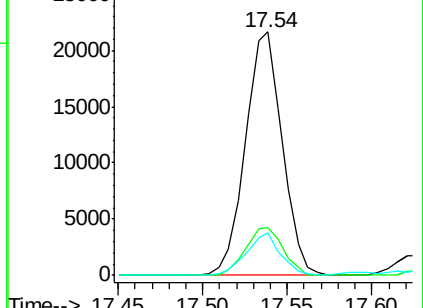
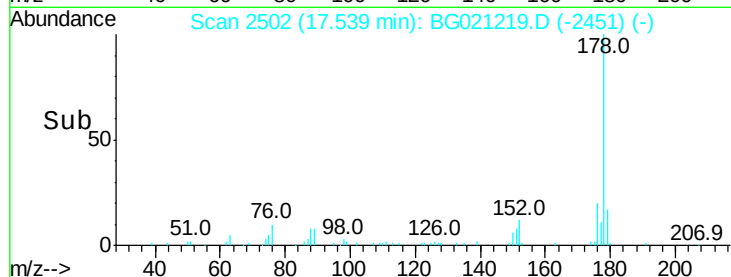
179 17.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.92 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.10 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

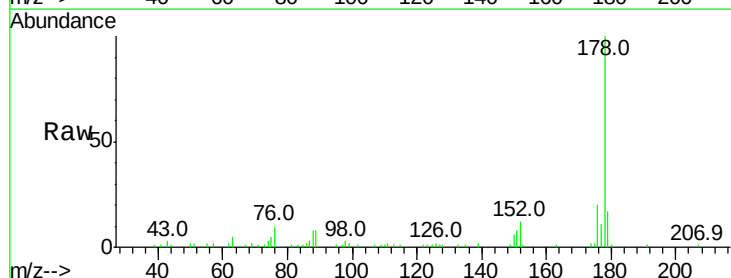
Tgt Ion:178 Resp: 32722

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

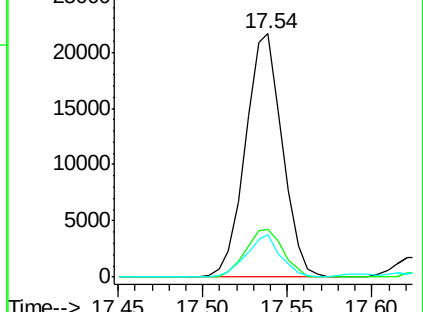
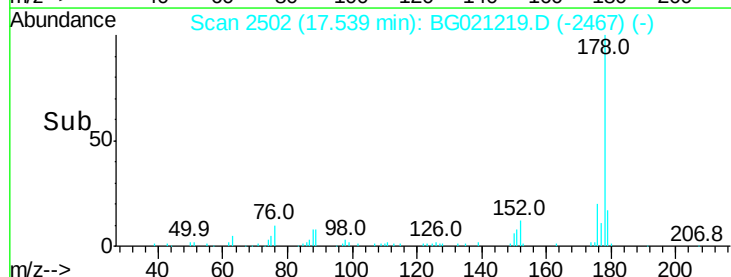
179 17.3 12.6 19.0

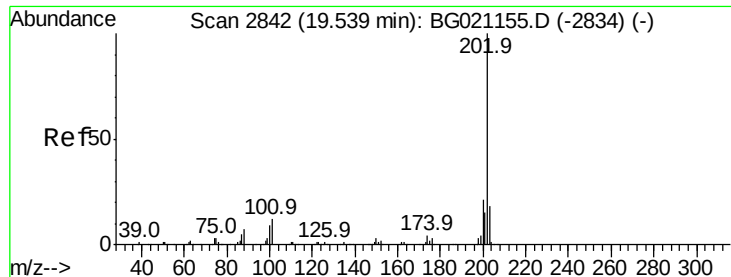


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.95 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

Instrument :

BNA_G

ClientSampleId :

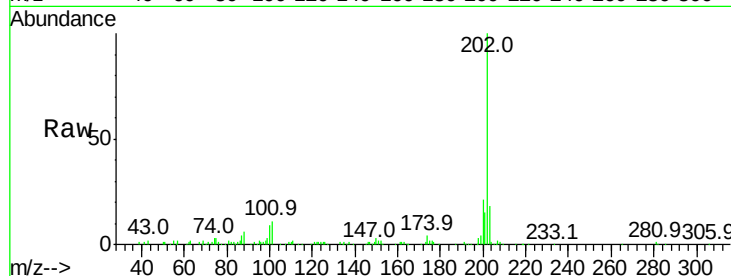
Tot Ion:202 Resp: 104079

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.5

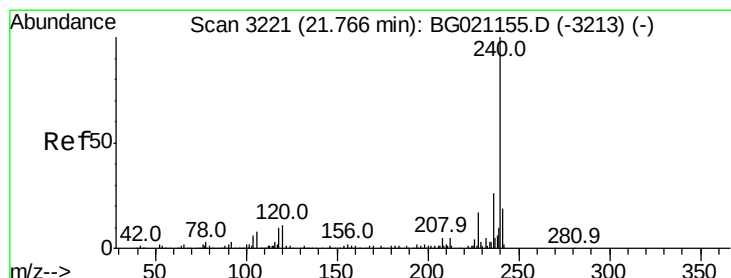
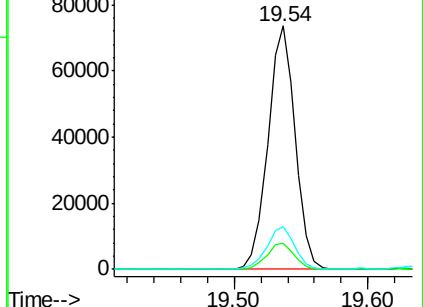
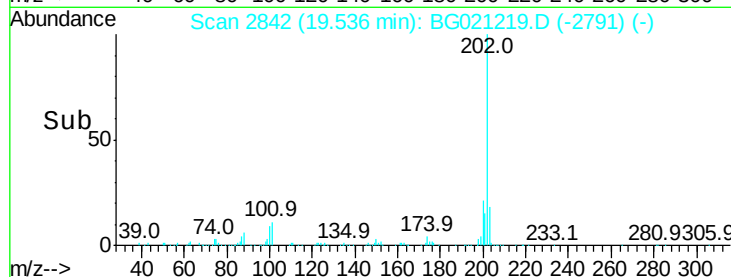
203 17.7 0.0 37.6



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: BG021219.D

Acq: 2 Mar 2016 19:02

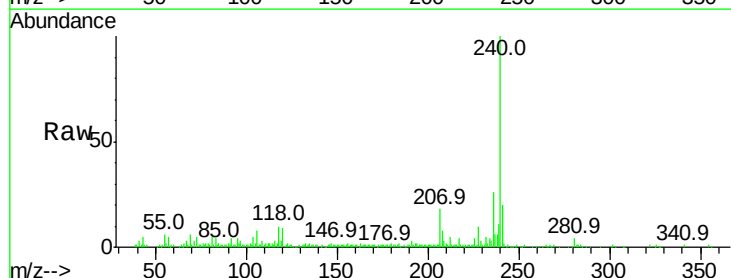
Tgt Ion:240 Resp: 81185

Ion Ratio Lower Upper

240 100

120 8.9 7.5 11.3

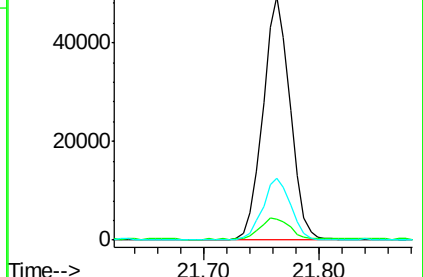
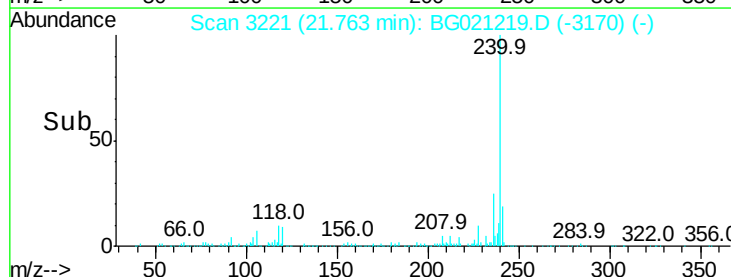
236 25.6 20.5 30.7

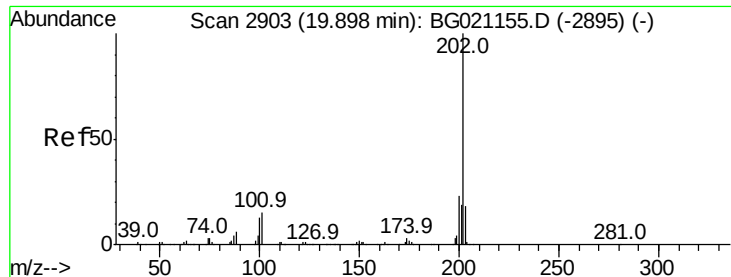


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

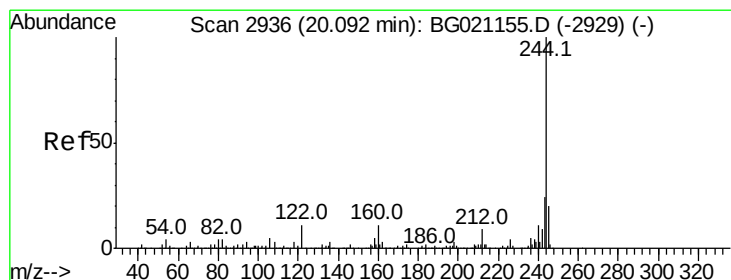
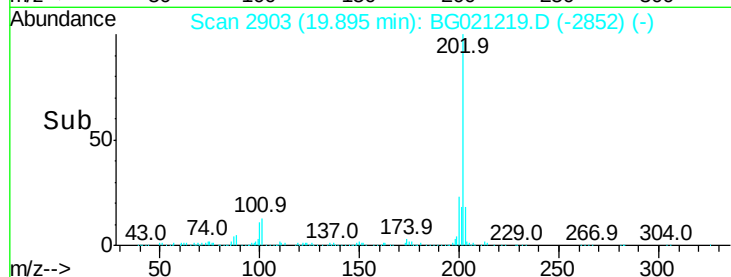
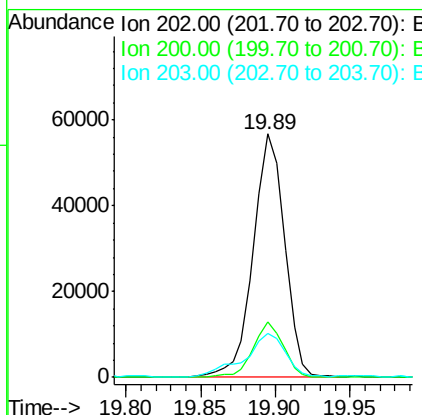
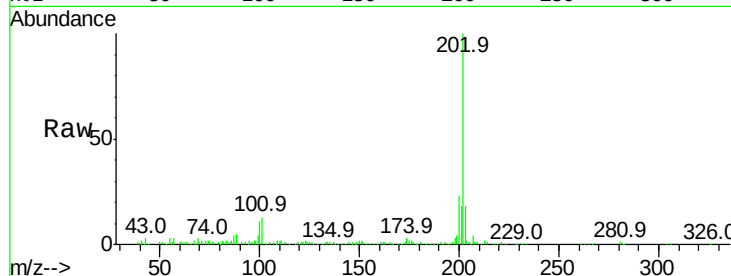




#77
Pvrene
Concen: 17.06 ng
RT: 19.89 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

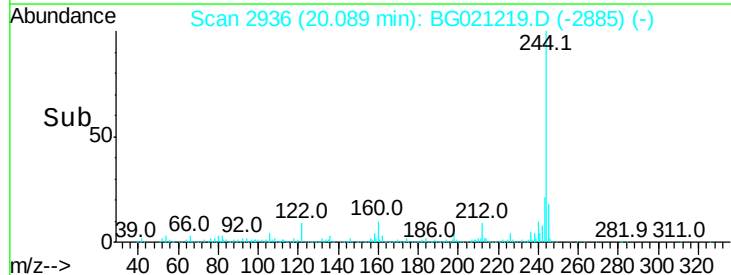
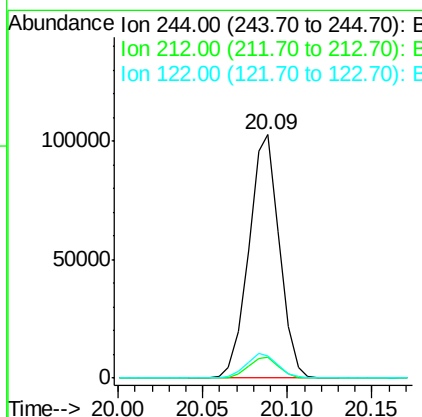
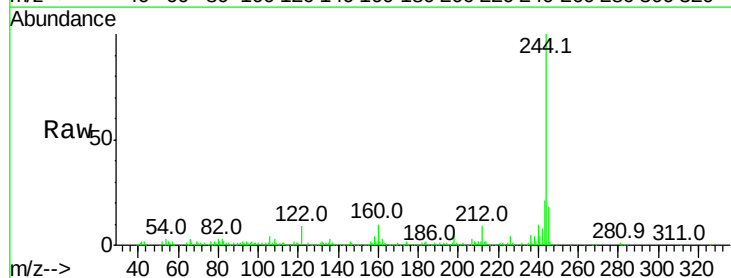
Instrument :
BNA_G
ClientSampleId :

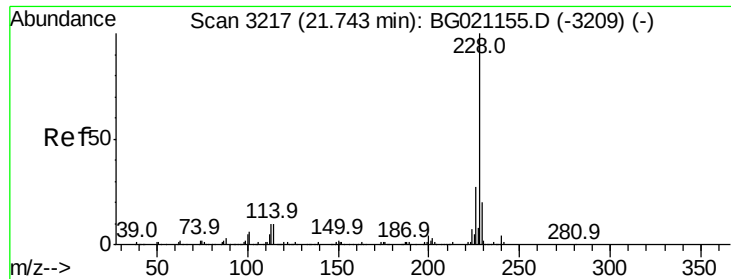
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.6	25.0
203	18.1	13.8	20.8



#78
Terphenyl-d14
Concen: 38.59 ng
RT: 20.09 min Scan# 2936
Delta R.T. -0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.6
122	9.4	8.3	12.5

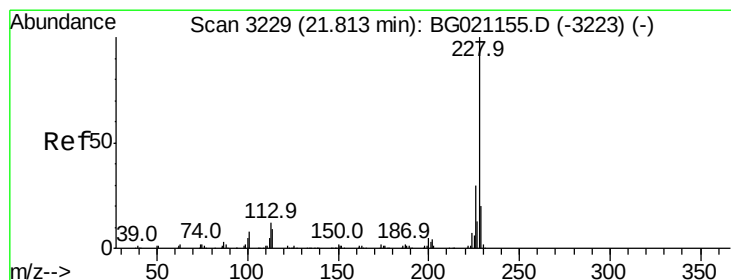
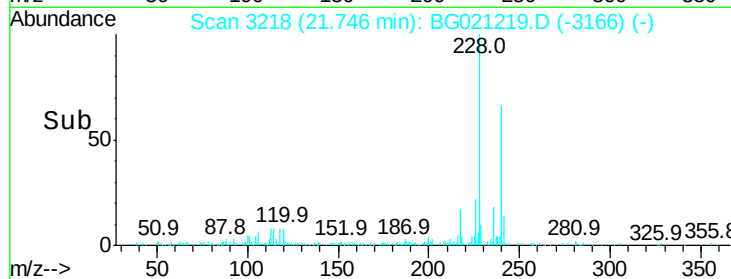
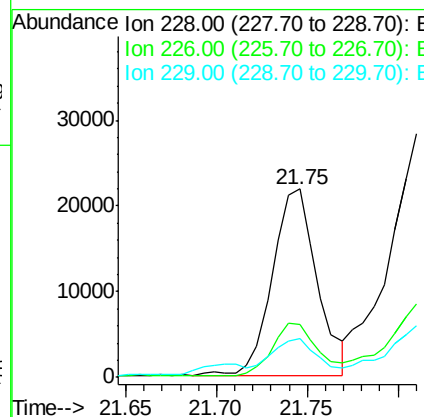
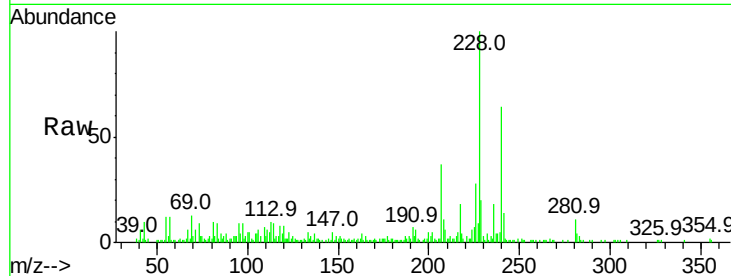




#80
Benzo(a)anthracene
Concen: 7.82 ng
RT: 21.75 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

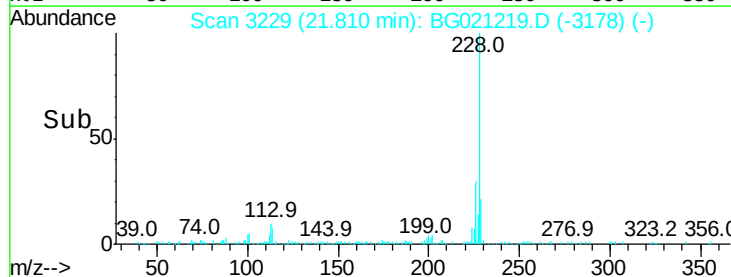
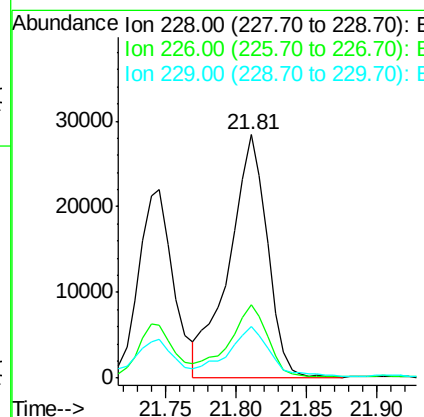
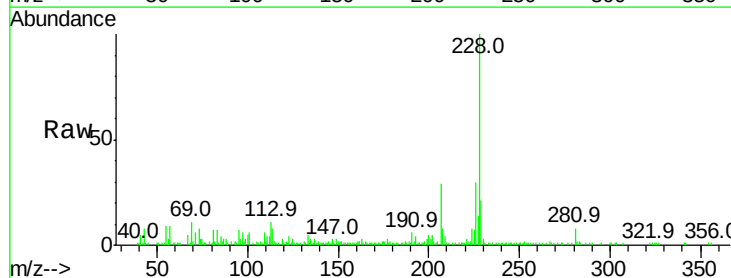
Instrument :
BNA_G
ClientSampleId :

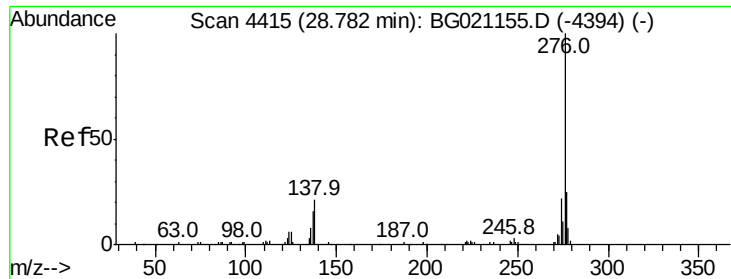
Tot Ion:228 Resp: 37580
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 20.5 15.5 23.3



#82
Chrysene
Concen: 11.80 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Tgt Ion:228 Resp: 53743
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.2 16.7 25.1

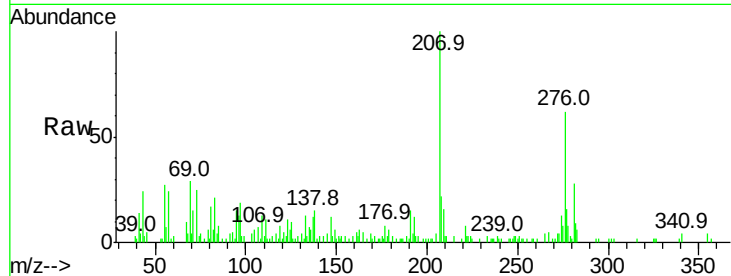




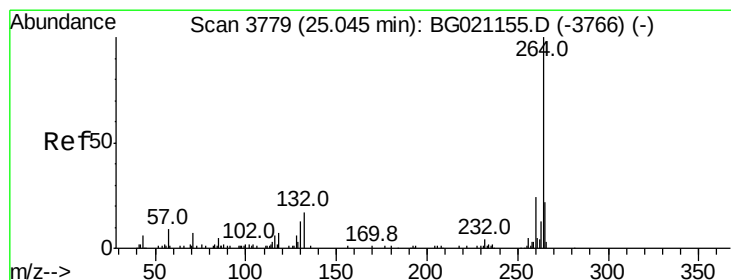
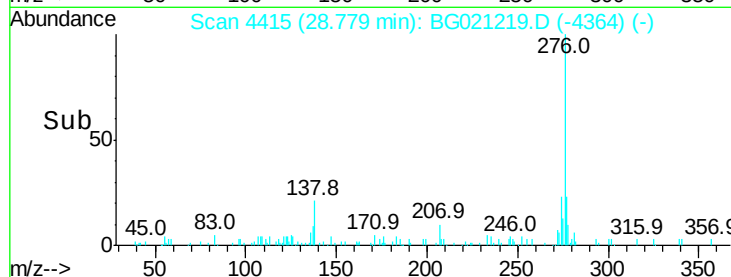
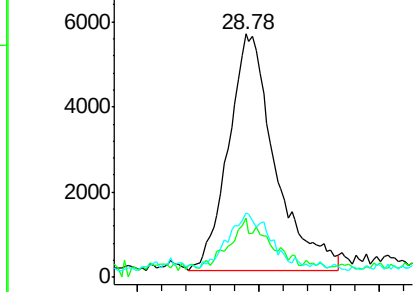
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.67 ng
 RT: 28.78 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 29624
 Ion Ratio Lower Upper
 276 100
 138 9.9 16.0 24.0#
 277 19.6 16.0 24.0

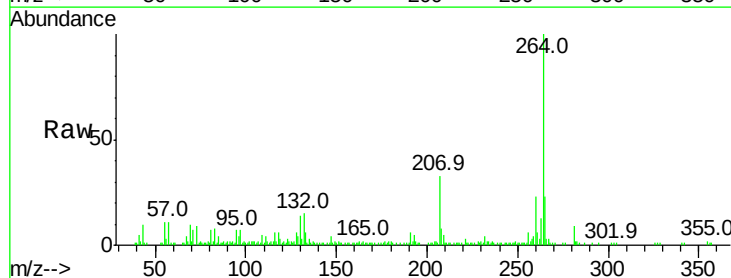


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

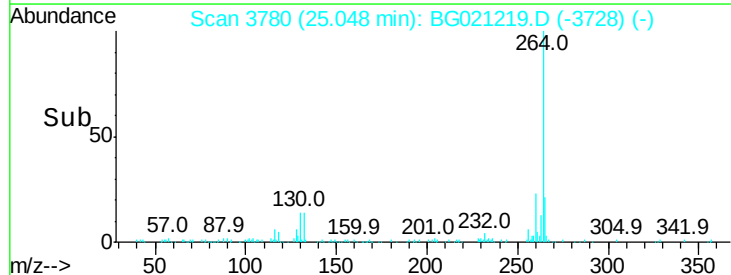
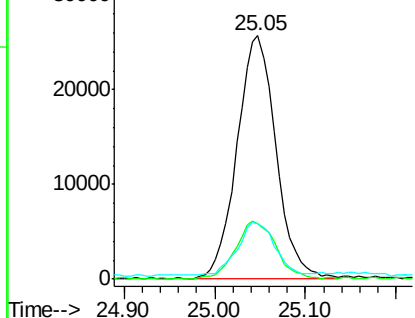


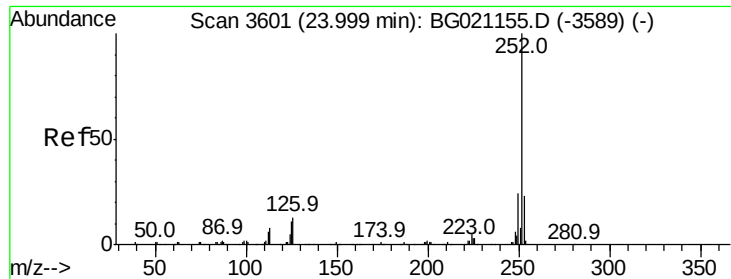
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3780
 Delta R.T. 0.00 min
 Lab File: BG021219.D
 Acq: 2 Mar 2016 19:02

Tgt Ion:264 Resp: 77017
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 22.7 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

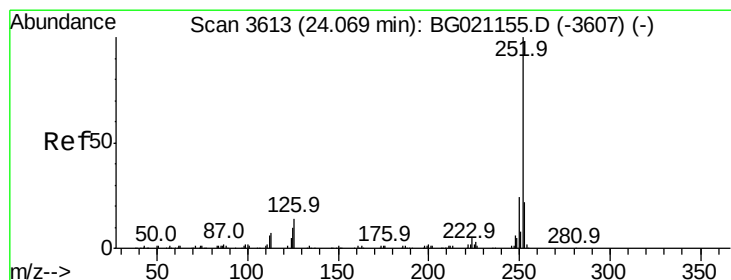
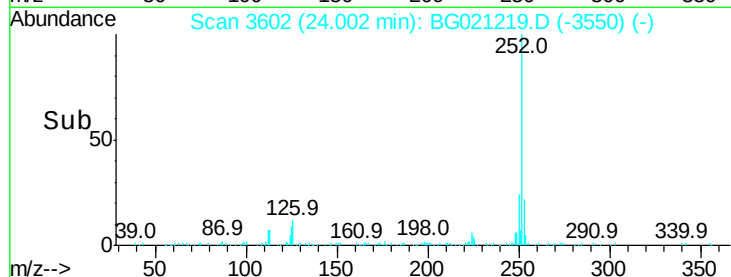
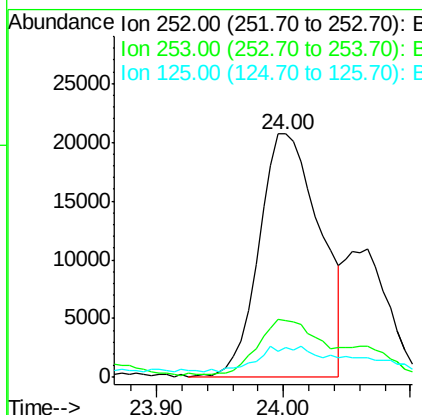
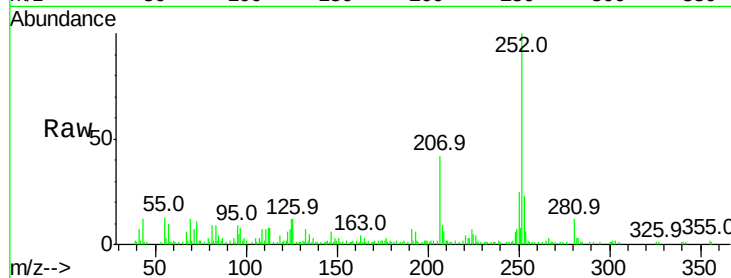




#87
Benzo(b)fluoranthene
Concen: 14.30 ng
RT: 24.00 min Scan# 3602
Delta R.T. 0.00 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

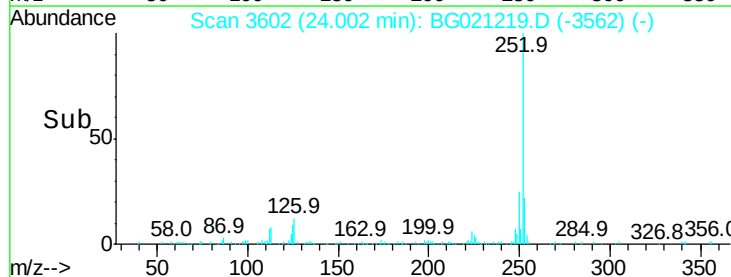
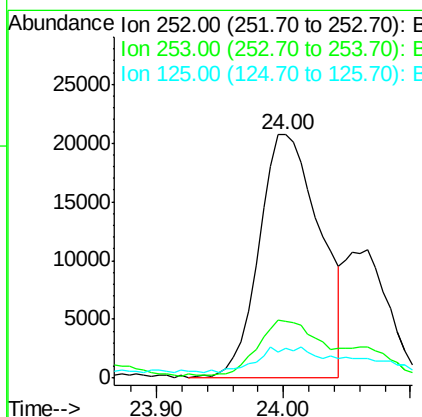
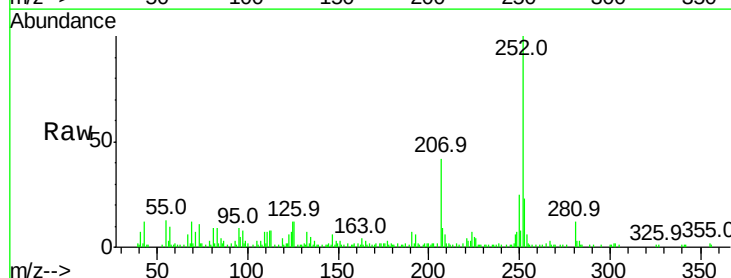
Instrument :
BNA_G
ClientSampleId :

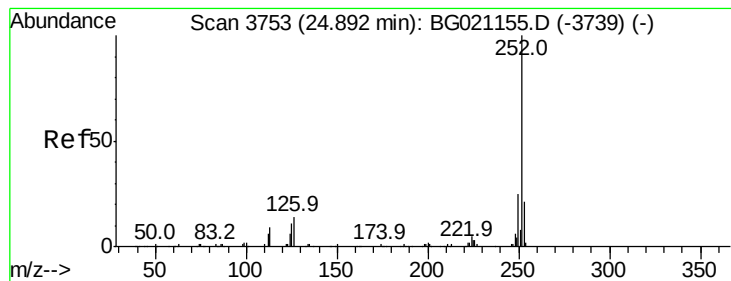
Tot Ion:252 Resp: 69294
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 12.1 8.2 12.2



#88
Benzo(k)fluoranthene
Concen: 14.28 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.07 min
Lab File: BG021219.D
Acq: 2 Mar 2016 19:02

Tgt Ion:252 Resp: 69294
Ion Ratio Lower Upper
252 100
253 23.1 16.4 24.6
125 12.1 8.2 12.2





#89

Benzo(a)pyrene

Concen: 8.84 ng

RT: 24.89 min Scan# 3753

Delta R.T. -0.00 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

Instrument :

BNA_G

ClientSampleId :

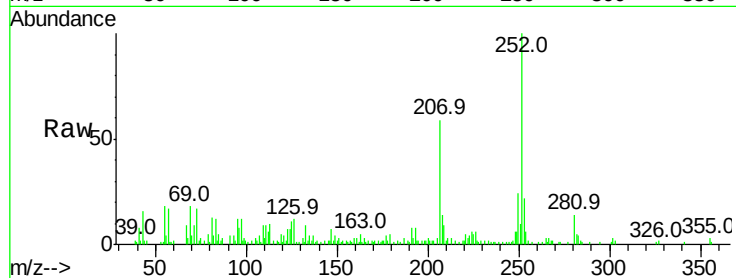
Tot Ion:252 Resp: 41391

Ion Ratio Lower Upper

252 100

253 22.2 15.8 23.8

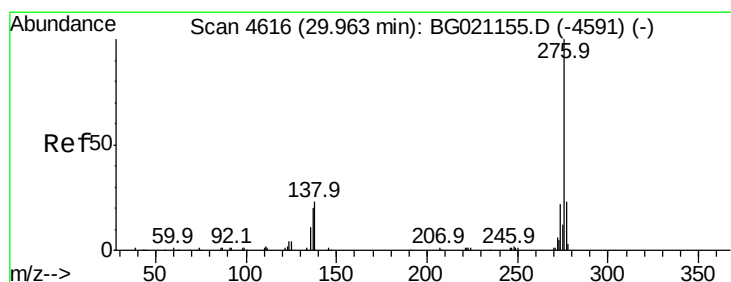
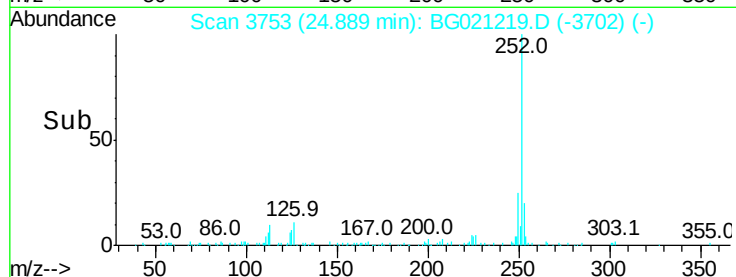
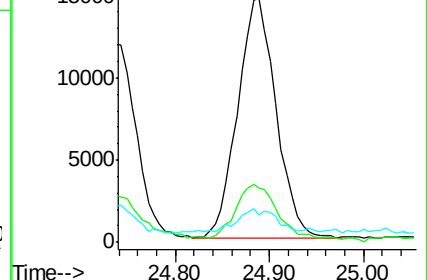
125 11.1 8.4 12.6



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



#91

Benzo(g,h,i)perylene

Concen: 6.35 ng

RT: 29.95 min Scan# 4614

Delta R.T. -0.01 min

Lab File: BG021219.D

Acq: 2 Mar 2016 19:02

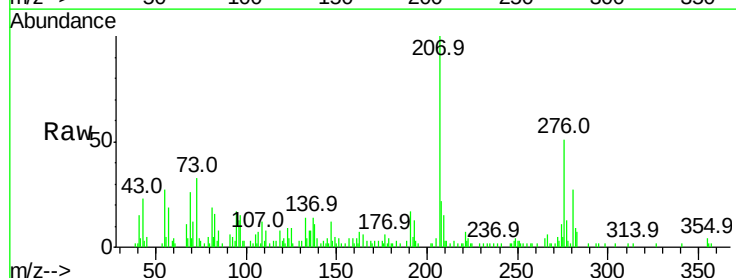
Tgt Ion:276 Resp: 28418

Ion Ratio Lower Upper

276 100

277 25.1 16.6 25.0#

138 21.5 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

