

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017531.D
 Acq On : 7 Jun 2015 12:50
 Operator : TP/IZ
 Sample : G2457-03 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Quant Time: Jun 08 05:26:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

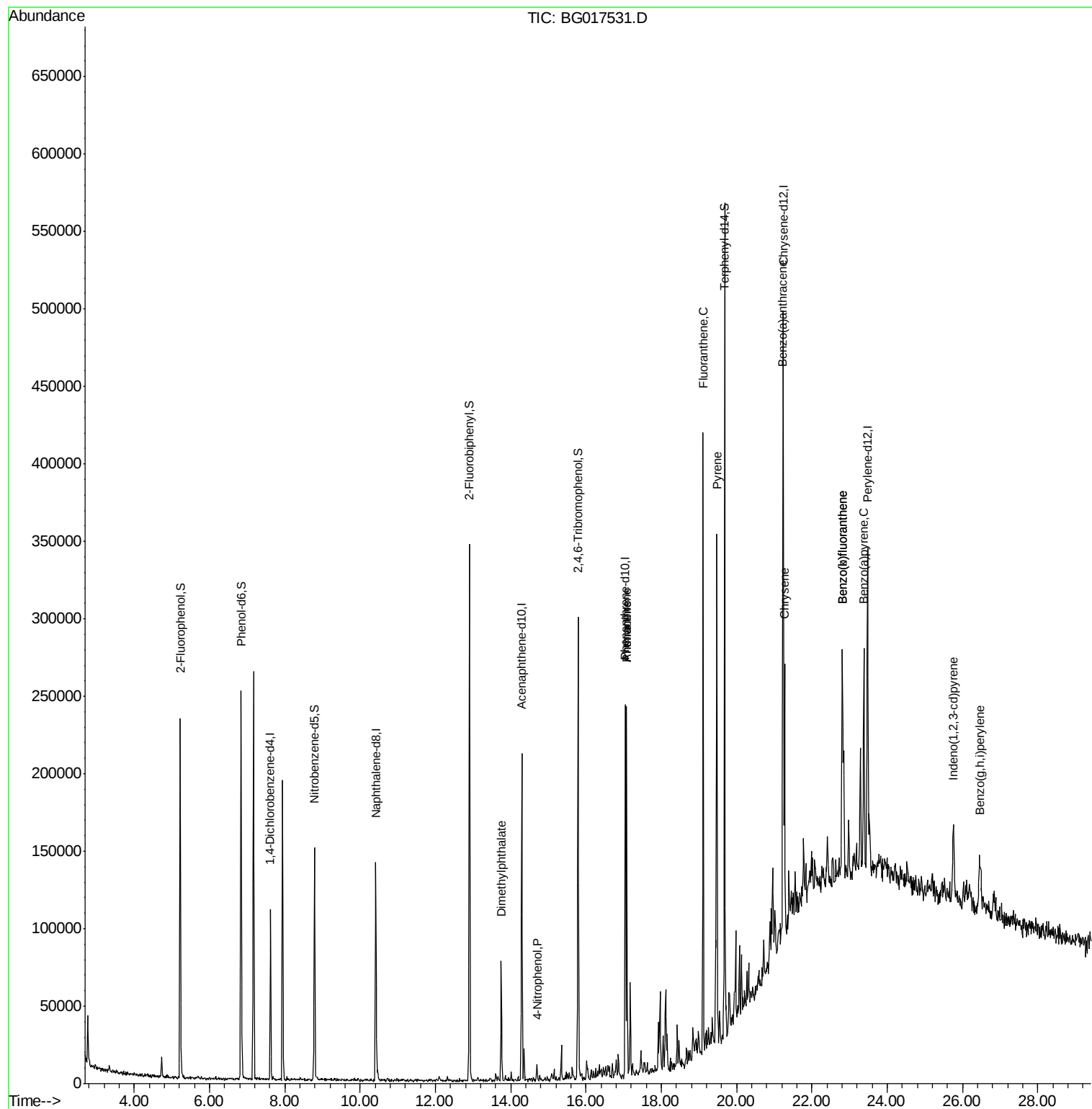
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	24520	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	102245	20.00	ng	-0.01
38) Acenaphthene-d10	14.29	164	62705	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	123395	20.00	ng	0.00
75) Chrysene-d12	21.24	240	138249	20.00	ng	0.00
86) Perylene-d12	23.48	264	143105	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	77260	55.51	ng	0.00
7) Phenol-d6	6.84	99	105899	55.85	ng	0.00
23) Nitrobenzene-d5	8.79	82	78267	38.21	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	39552	45.41	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	155616	37.44	ng	0.00
78) Terphenyl-d14	19.68	244	197021	29.45	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	41663	7.63	ng	# 97
55) 4-Nitrophenol	14.69	139	2461	3.09	ng	# 1
70) Phenanthrene	17.08	178	121655	17.68	ng	98
71) Anthracene	17.08	178	121655	17.70	ng	99
74) Fluoranthene	19.11	202	208043	23.12	ng	98
77) Pyrene	19.47	202	182842	21.47	ng	100
80) Benzo(a)anthracene	21.22	228	105408	12.40	ng	99
82) Chrysene	21.28	228	84806	11.01	ng	97
85) Indeno(1,2,3-cd)pyrene	25.75	276	52612	5.44	ng	# 89
87) Benzo(b)fluoranthene	22.81	252	118525	13.07	ng	96
88) Benzo(k)fluoranthene	22.81	252	118525	13.66	ng	96
89) Benzo(a)pyrene	23.38	252	89292	10.74	ng	96
91) Benzo(g,h,i)perylene	26.47	276	44962	5.47	ng	# 92

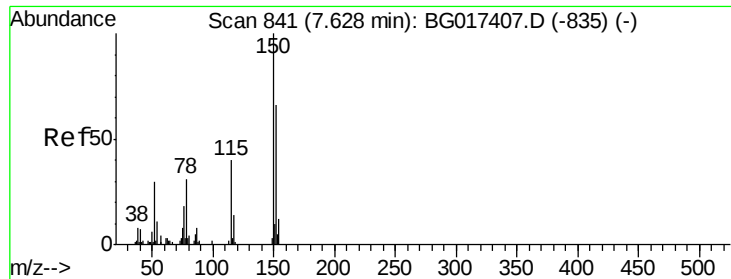
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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BNA_G
ClientSampleId :
SP-4

Quant Time: Jun 08 05:26:28 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration



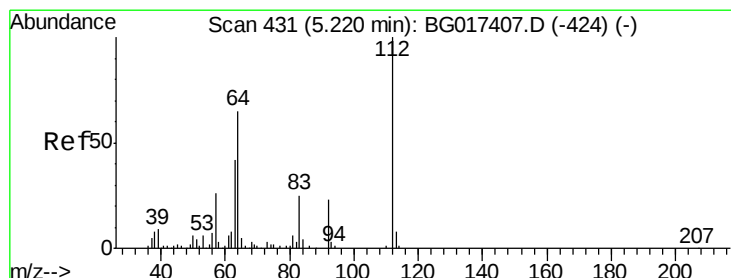
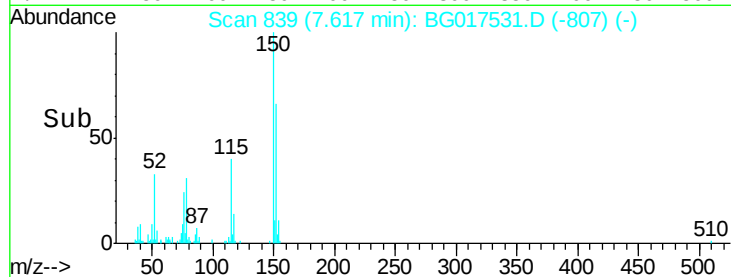
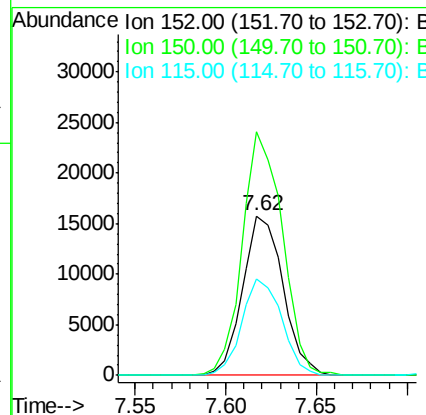
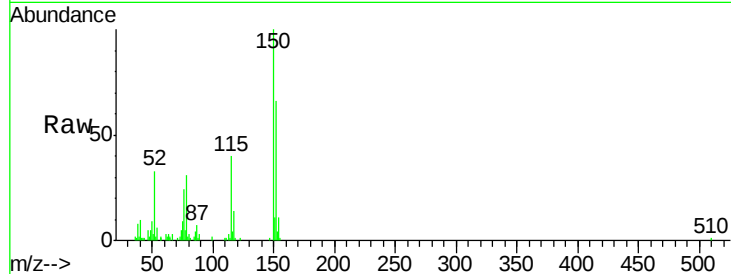


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.62 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

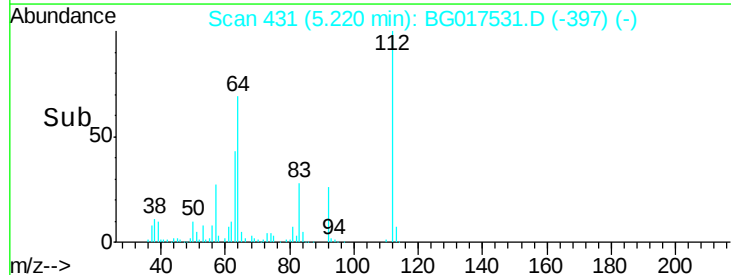
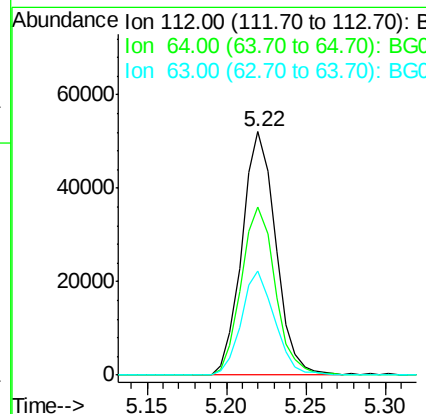
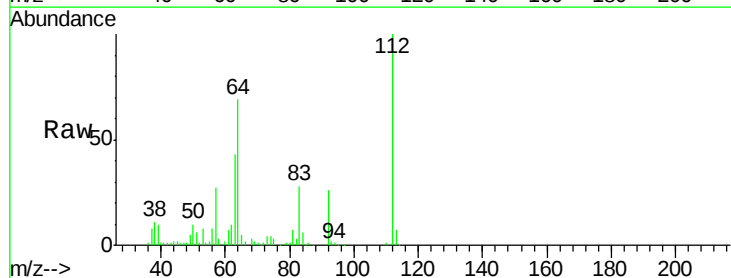
Tgt Ion:152 Resp: 24520
Ion Ratio Lower Upper
152 100
150 152.5 121.7 182.5
115 60.6 48.6 73.0



#5

2-Fluorophenol
Concen: 55.51 ng
RT: 5.22 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion:112 Resp: 77260
Ion Ratio Lower Upper
112 100
64 69.0 51.6 77.4
63 42.9 33.3 49.9





#7

Phenol-d6

Concen: 55.85 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

ClientSampleId :

SP-4

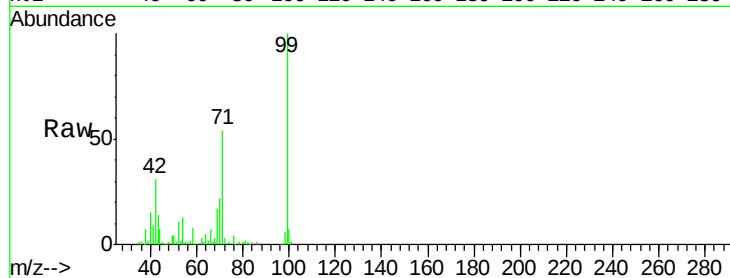
Tgt Ion: 99 Resp: 105899

Ion Ratio Lower Upper

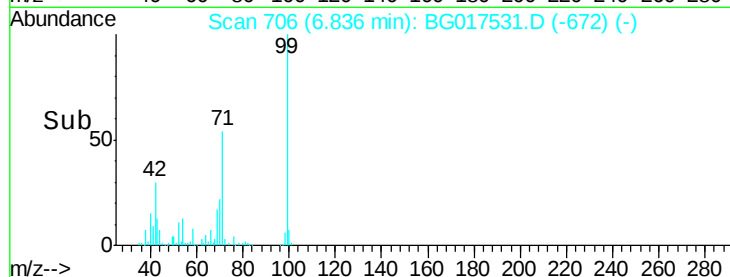
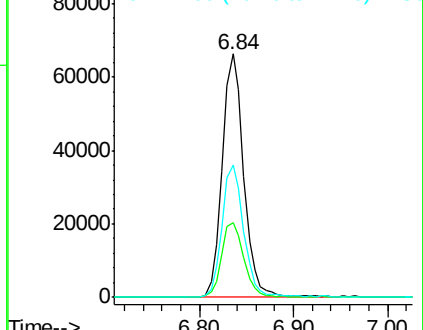
99 100

42 30.7 21.0 31.6

71 54.3 37.2 55.8



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: 10.41 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Tgt Ion: 136 Resp: 102245

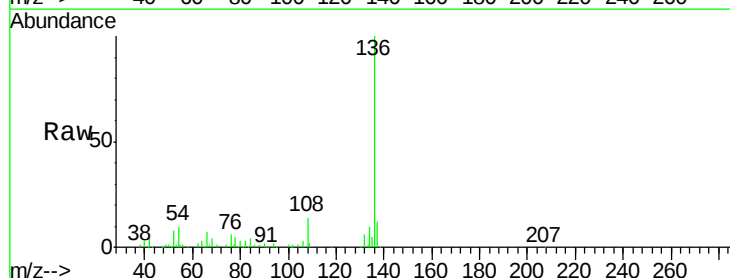
Ion Ratio Lower Upper

136 100

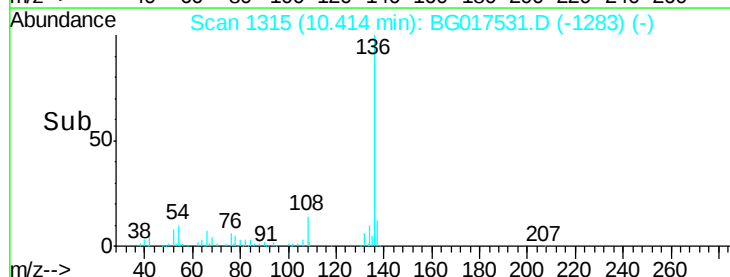
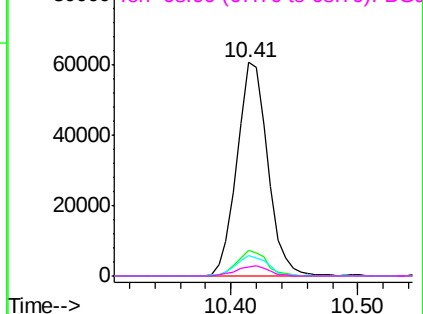
137 12.1 7.9 11.9#

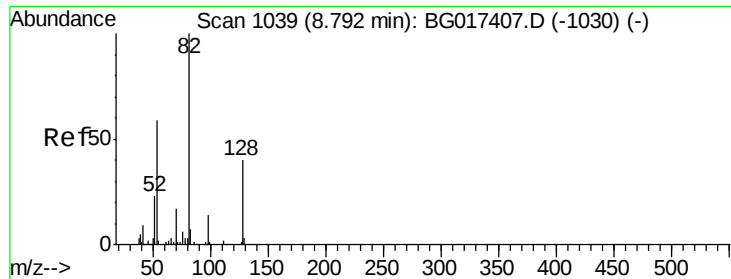
54 9.9 7.2 10.8

68 4.1 4.5 6.7#



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

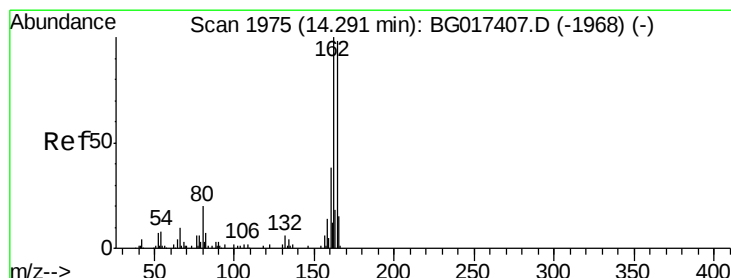
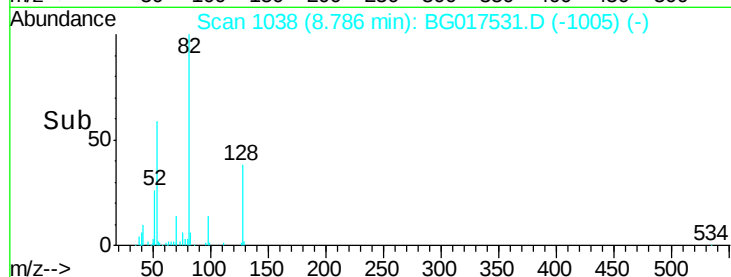
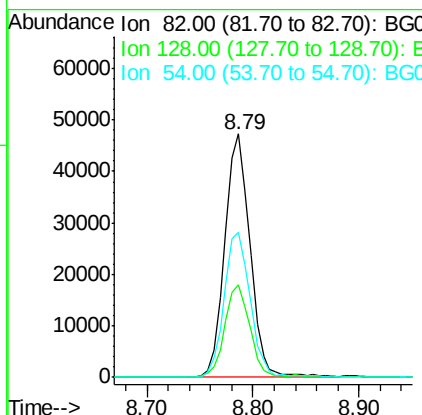
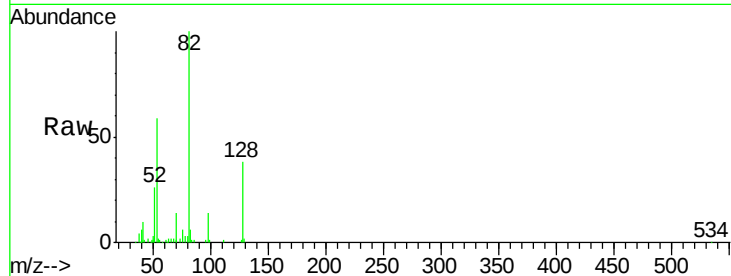




#23
 Nitrobenzene-d5
 Concen: 38.21 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

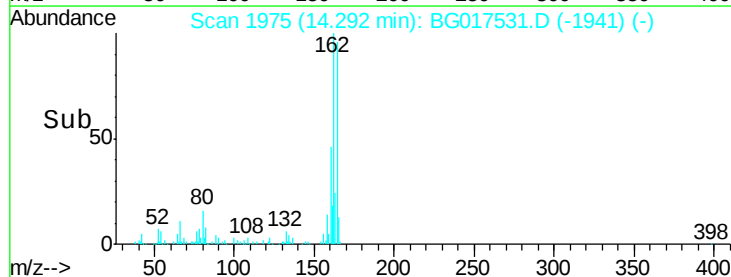
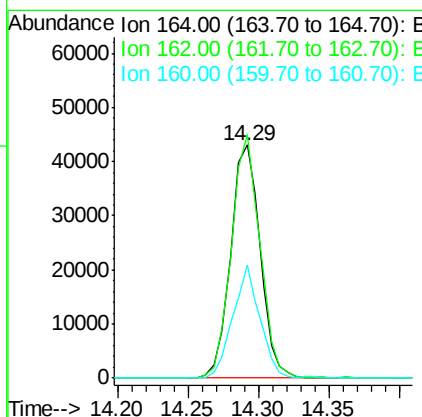
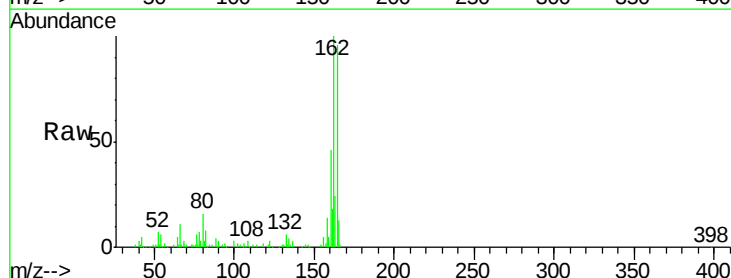
Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Tgt Ion: 82 Resp: 78267
 Ion Ratio Lower Upper
 82 100
 128 38.2 32.2 48.4
 54 59.5 47.4 71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion: 164 Resp: 62705
 Ion Ratio Lower Upper
 164 100
 162 104.5 81.8 122.6
 160 48.4 31.0 46.4#

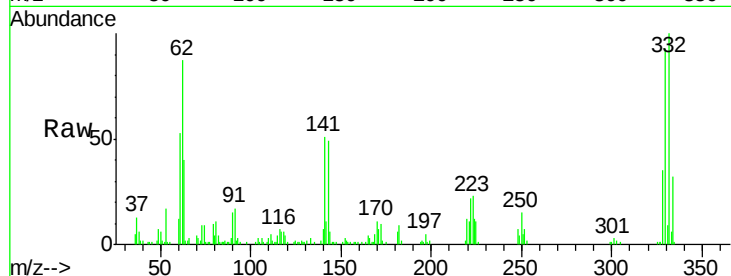




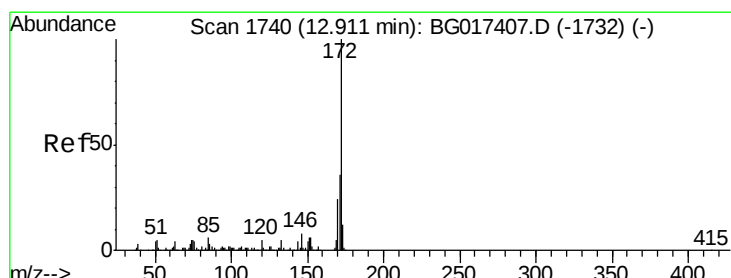
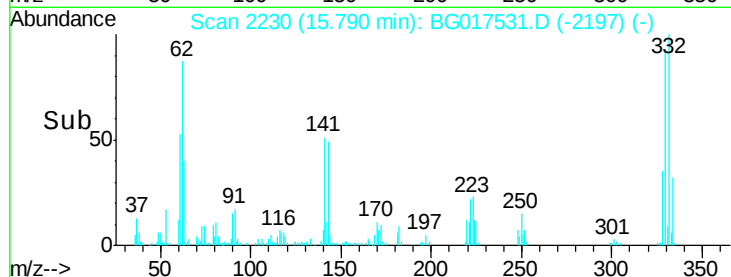
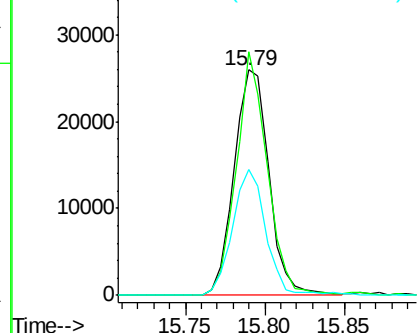
#41
 2,4,6-Tribromophenol
 Concen: 45.41 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Tgt Ion: 330 Resp: 39552
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.9 113.9
 141 52.8 40.2 60.4

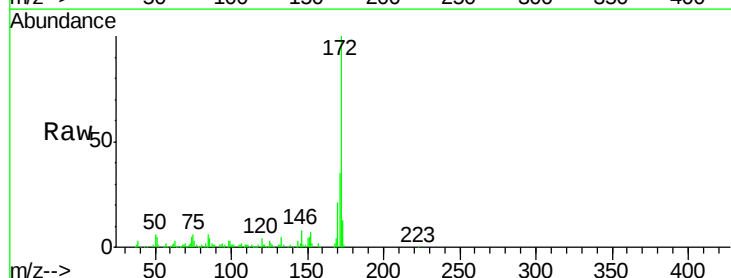


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

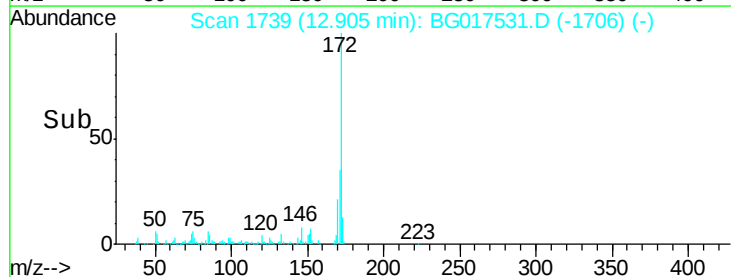
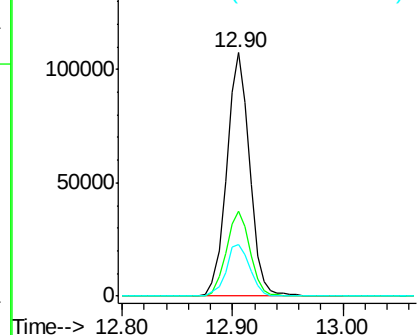


#44
 2-Fluorobiphenyl
 Concen: 37.44 ng
 RT: 12.90 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion: 172 Resp: 155616
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 21.4 18.9 28.3



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





#49

Dimethylphthalate

Concen: 7.63 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

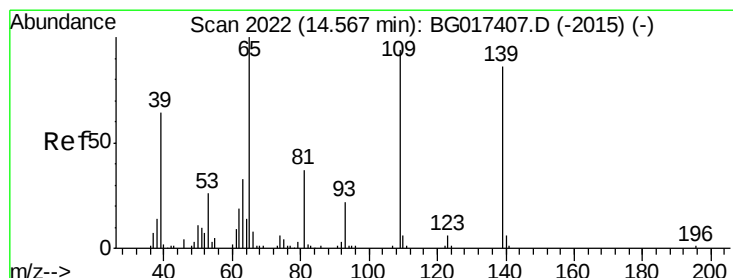
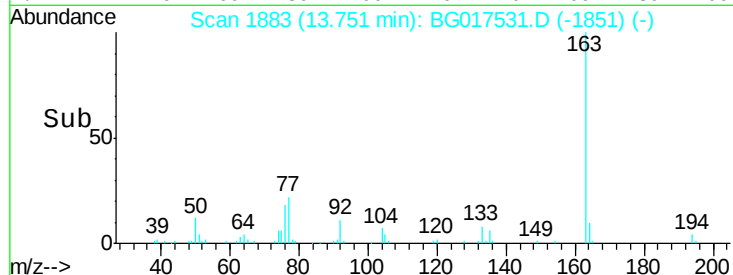
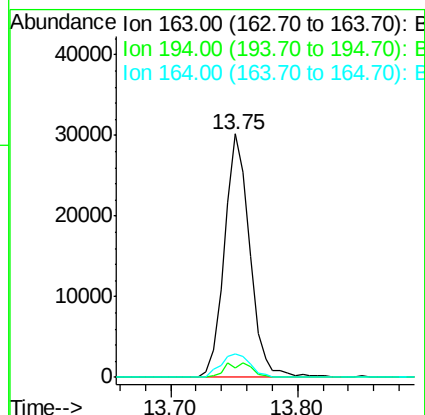
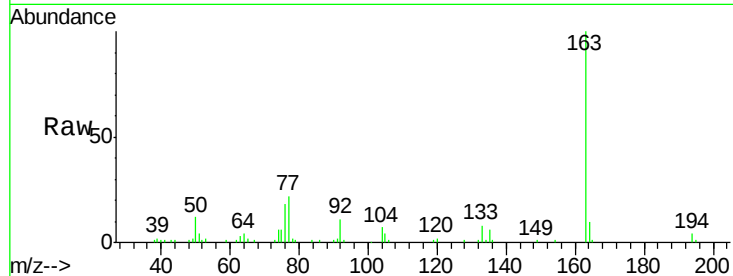
BNA_G

ClientSampleId :

SP-4

Tgt Ion:163 Resp: 41663

Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.9	7.3#
164	9.8	8.2	12.2



#55

4-Nitrophenol

Concen: 3.09 ng

RT: 14.69 min Scan# 2043

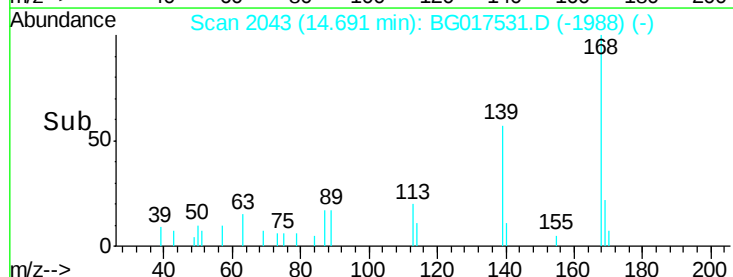
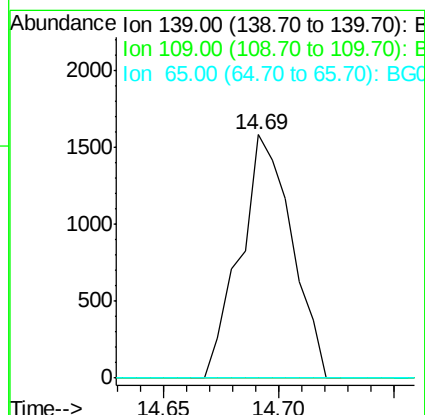
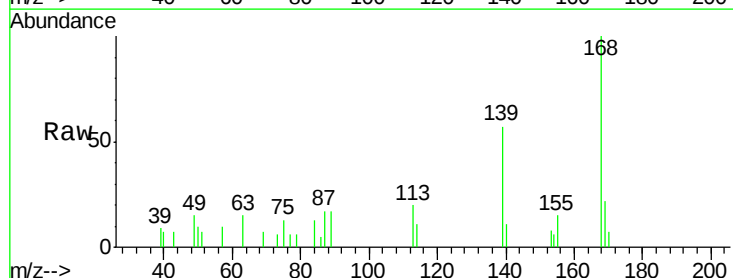
Delta R.T. 0.12 min

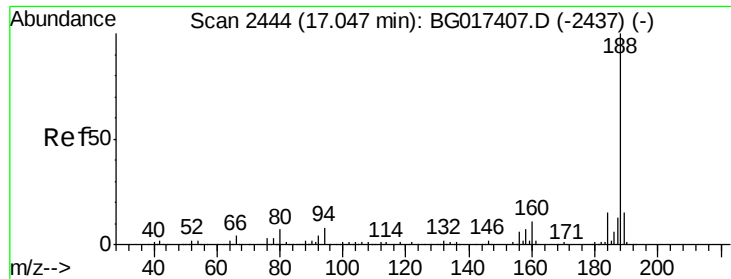
Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Tgt Ion:139 Resp: 2461

Ion	Ratio	Lower	Upper
139	100		
109	0.0	89.5	129.5#
65	0.0	95.9	135.9#

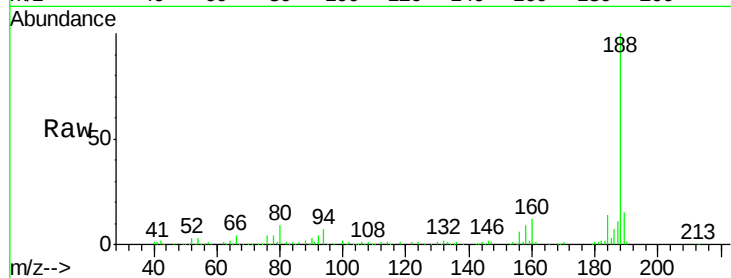




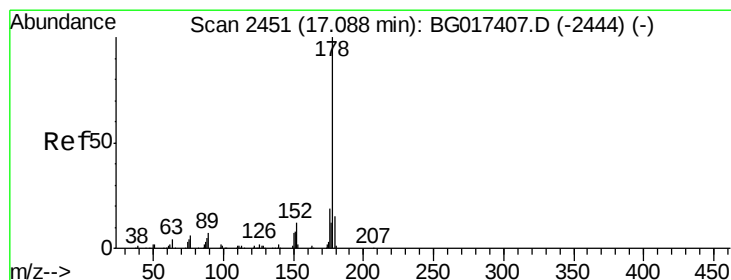
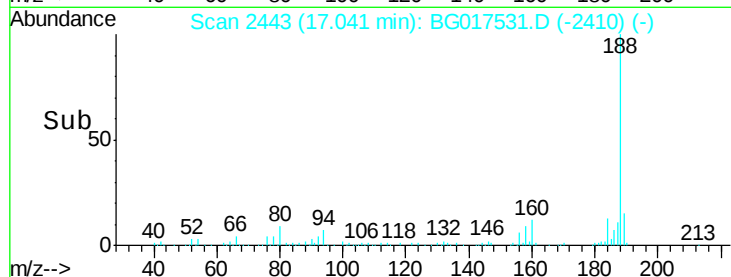
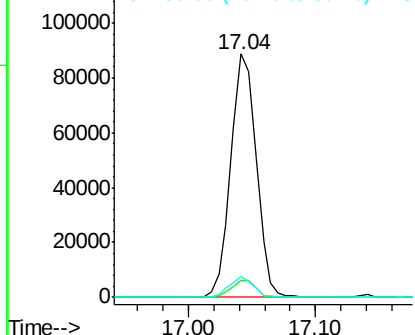
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion:188 Resp: 123395
Ion Ratio Lower Upper
188 100
94 6.9 6.3 9.5
80 8.8 5.2 7.8#

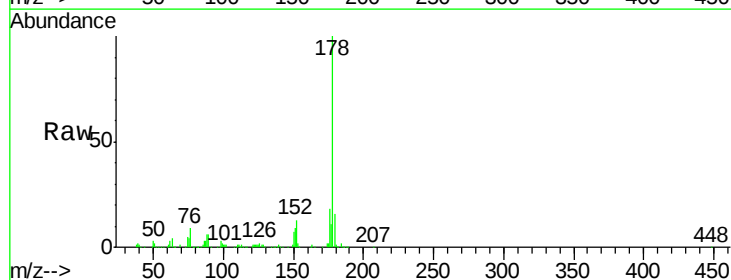


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

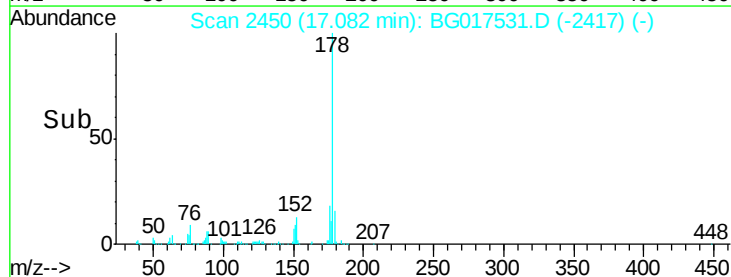
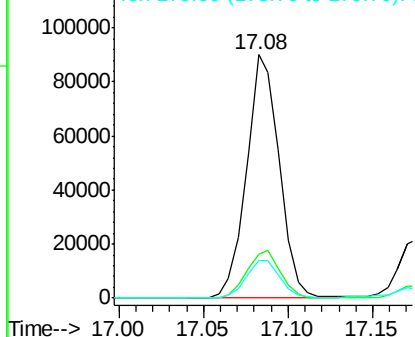


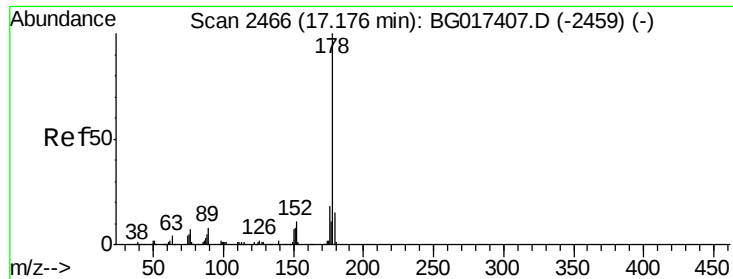
#70
Phenanthrene
Concen: 17.68 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion:178 Resp: 121655
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.6 12.2 18.2



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

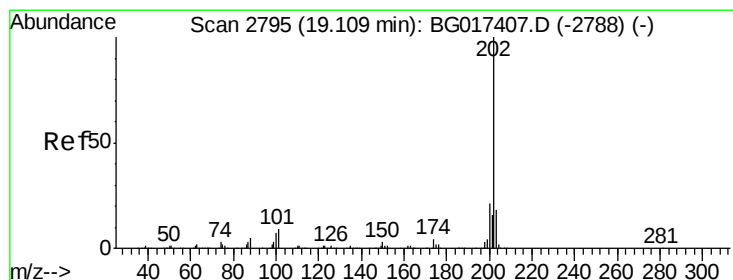
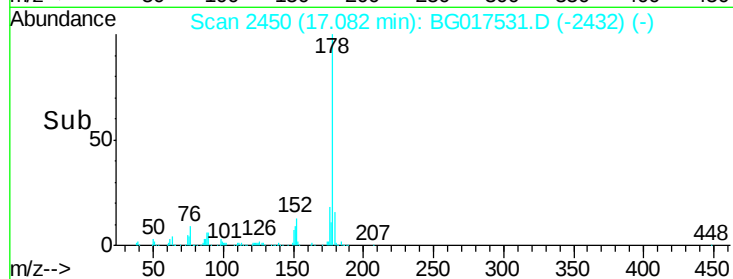
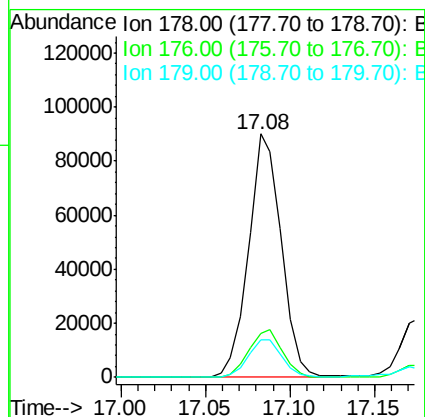
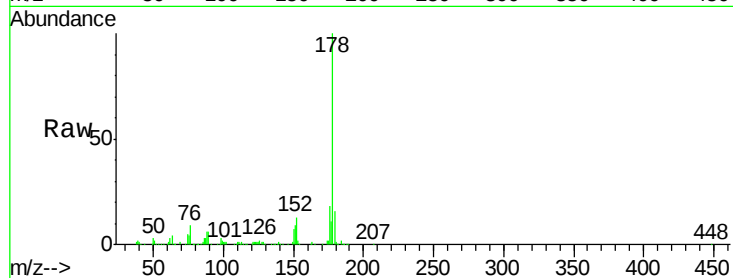




#71
 Anthracene
 Concen: 17.70 ng
 RT: 17.08 min Scan# 2450
 Delta R.T. -0.09 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

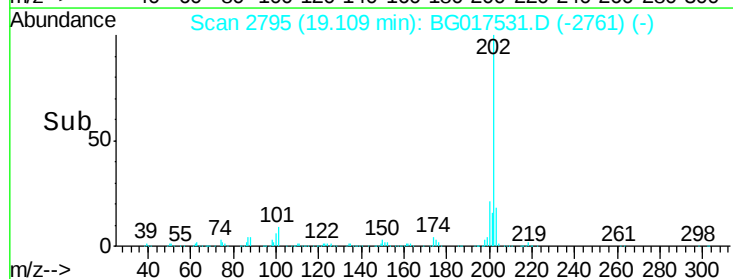
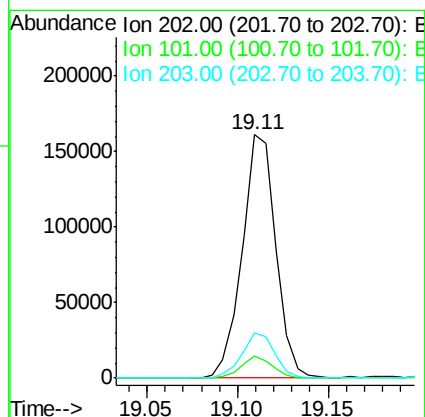
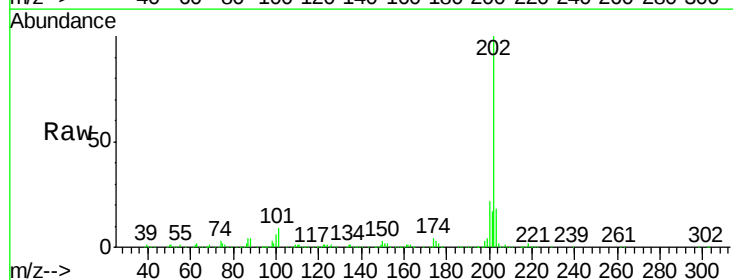
Instrument :
 BNA_G
 ClientSampleId :
 SP-4

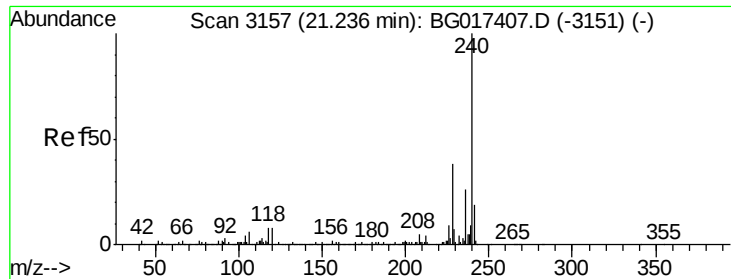
Tgt Ion:178 Resp: 121655
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.2 21.2
 179 15.6 12.2 18.4



#74
 Fluoranthene
 Concen: 23.12 ng
 RT: 19.11 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion:202 Resp: 208043
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 28.8
 203 18.4 0.0 37.6

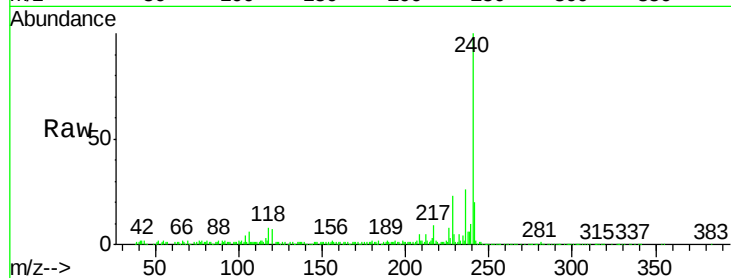




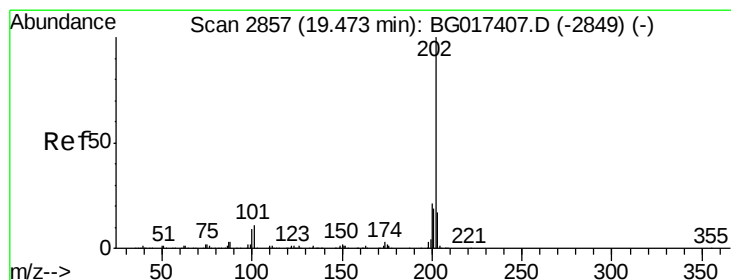
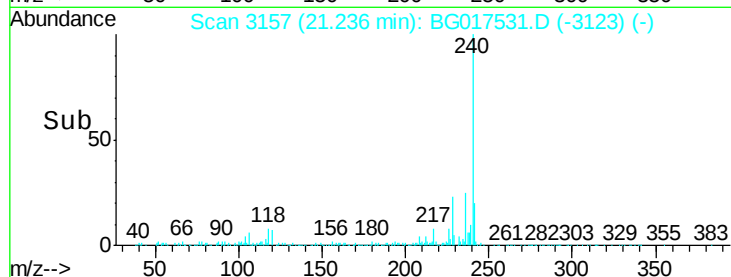
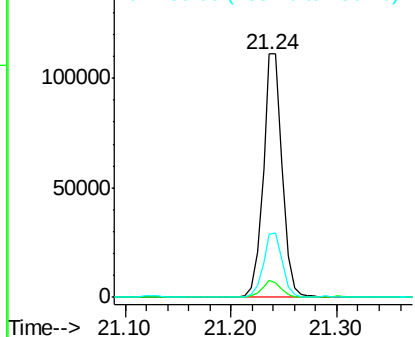
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.24 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion:240 Resp: 138249
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 25.7 20.8 31.2

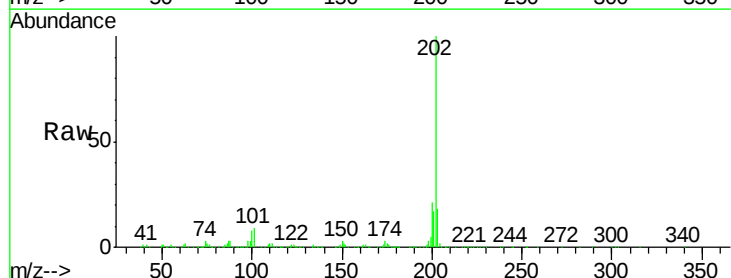


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

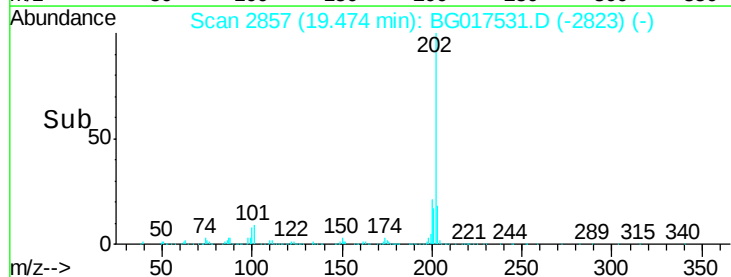
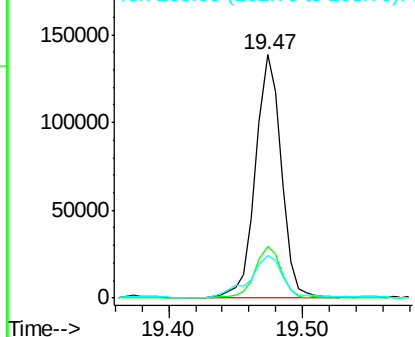


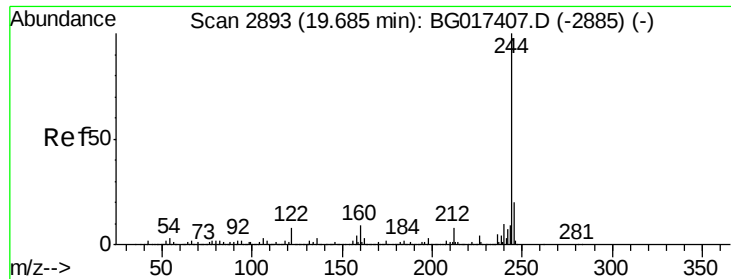
#77
Pyrene
Concen: 21.47 ng
RT: 19.47 min Scan# 2857
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion:202 Resp: 182842
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 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: 29.45 ng

RT: 19.68 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

ClientSampleId :

SP-4

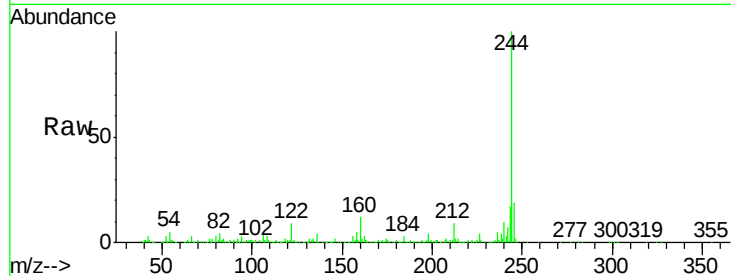
Tgt Ion:244 Resp: 197021

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

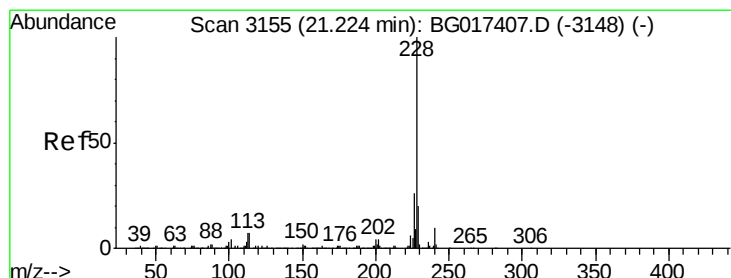
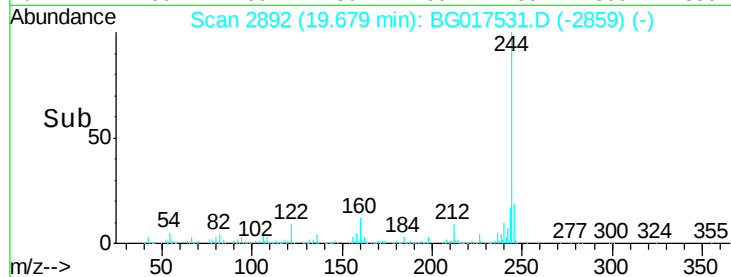
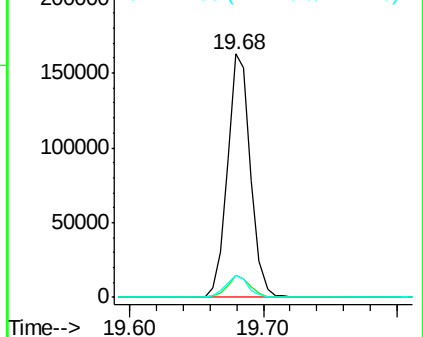
122 9.3 6.6 10.0



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: 12.40 ng

RT: 21.22 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

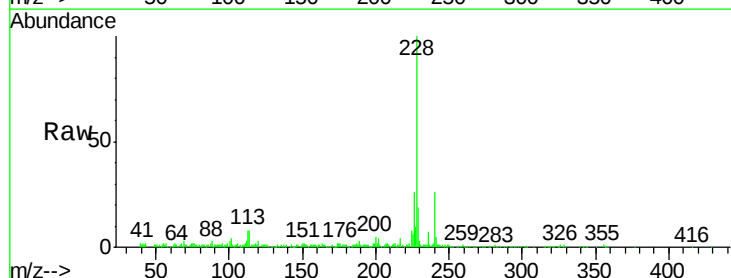
Tgt Ion:228 Resp: 105408

Ion Ratio Lower Upper

228 100

226 25.9 21.0 31.6

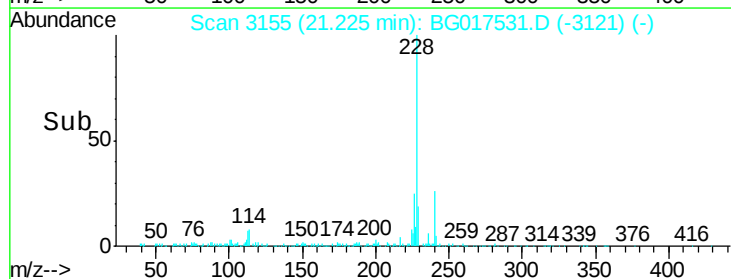
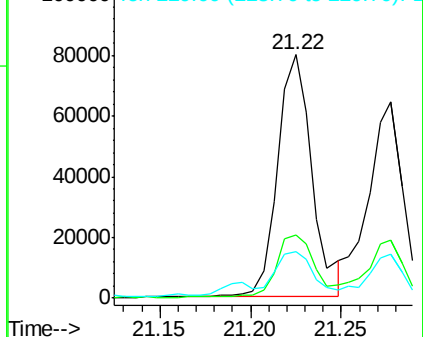
229 19.3 15.7 23.5

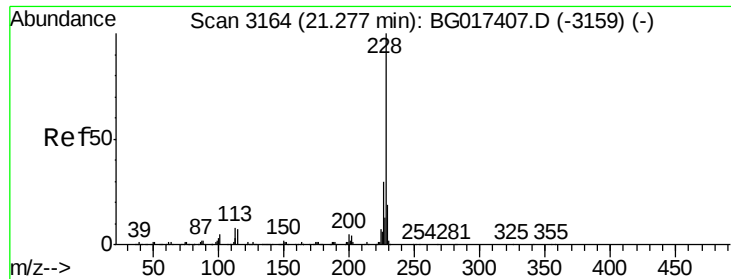


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.01 ng

RT: 21.28 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

ClientSampled :

SP-4

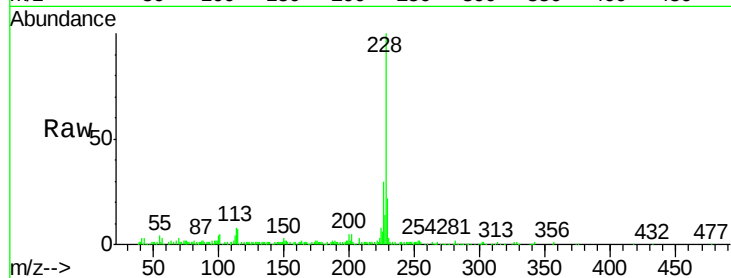
Tgt Ion:228 Resp: 84806

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

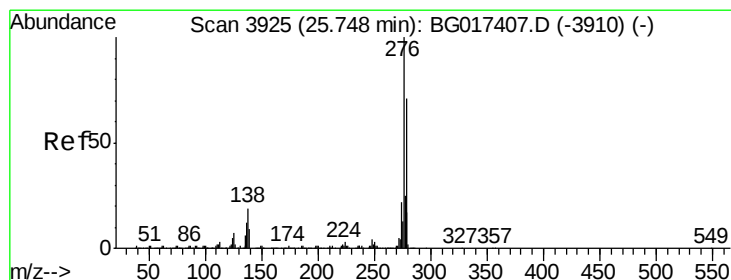
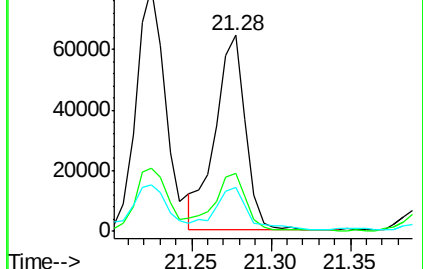
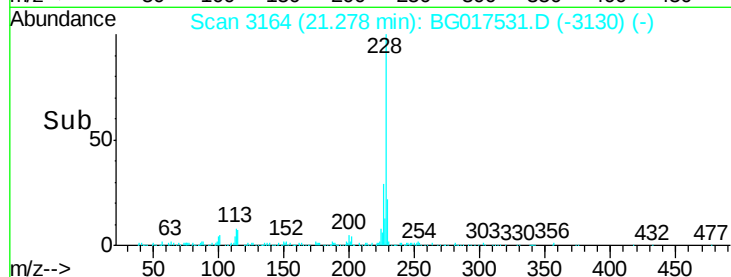
229 22.3 15.2 22.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.44 ng

RT: 25.75 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

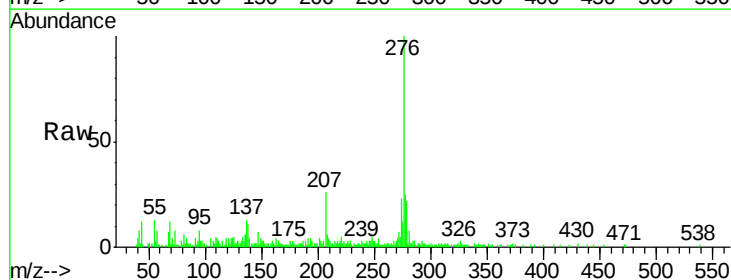
Tgt Ion:276 Resp: 52612

Ion Ratio Lower Upper

276 100

138 10.7 15.4 23.0#

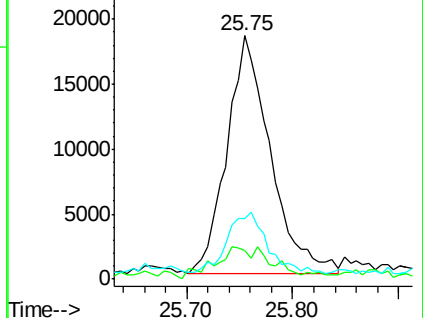
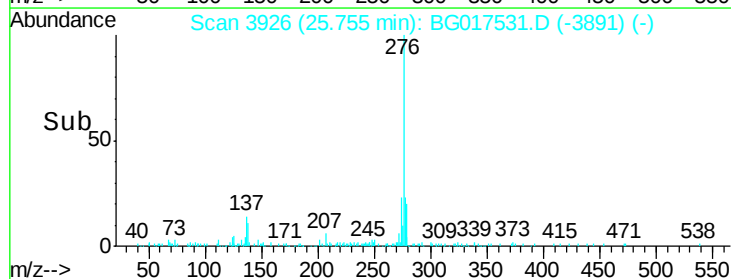
277 23.3 20.5 30.7

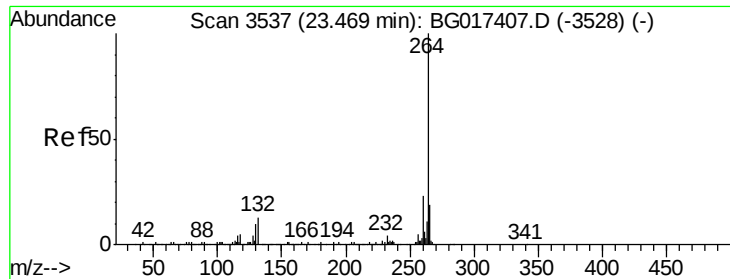


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



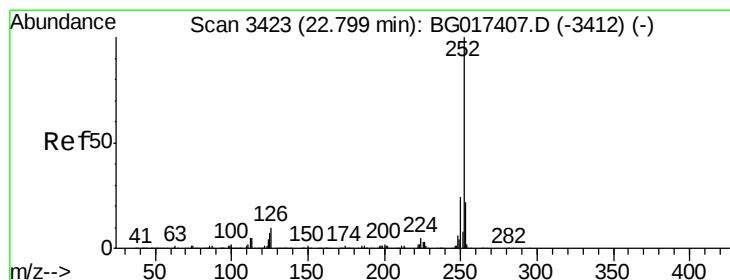
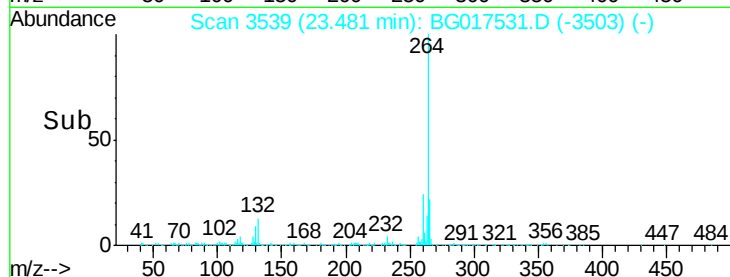
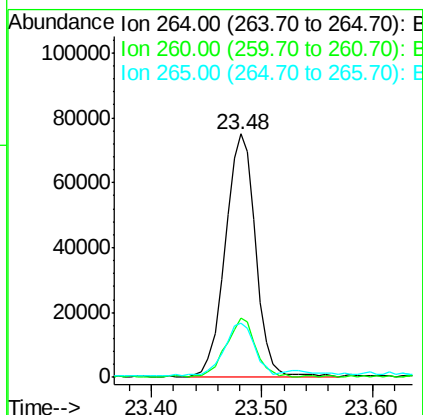
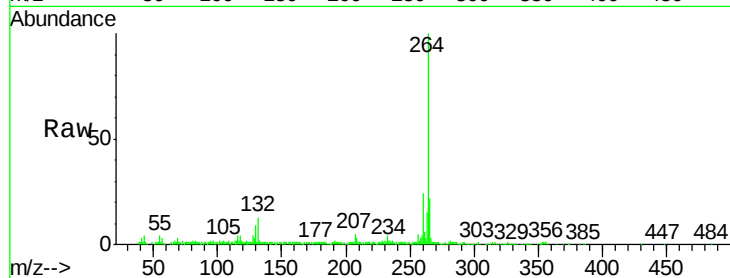


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.48 min Scan# 3539
Delta R.T. 0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion: 264 Resp: 143105

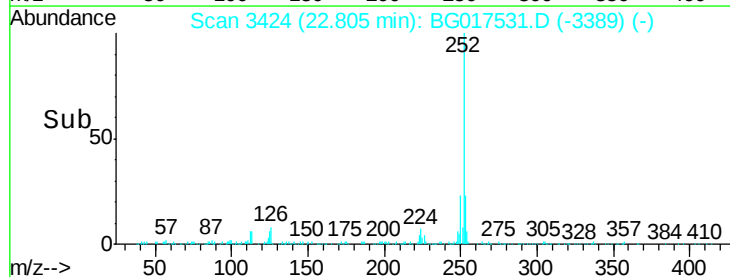
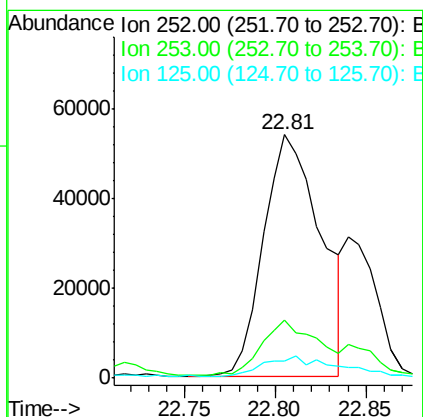
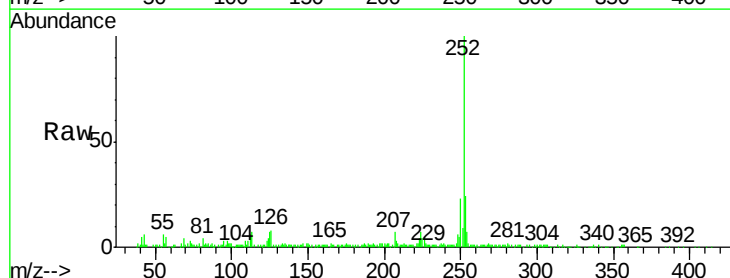
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	22.1	15.8	23.6

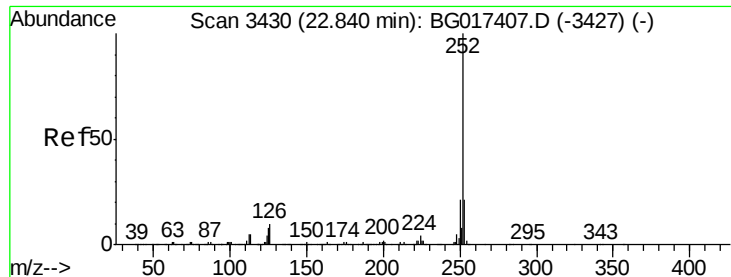


#87
Benzo(b)fluoranthene
Concen: 13.07 ng
RT: 22.81 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion: 252 Resp: 118525

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	6.9	5.8	8.8

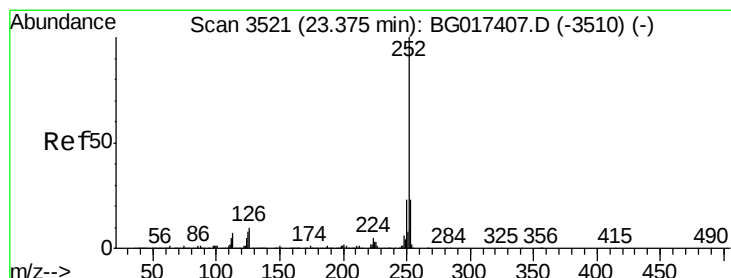
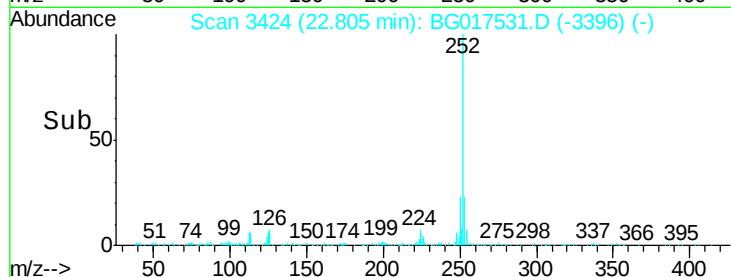
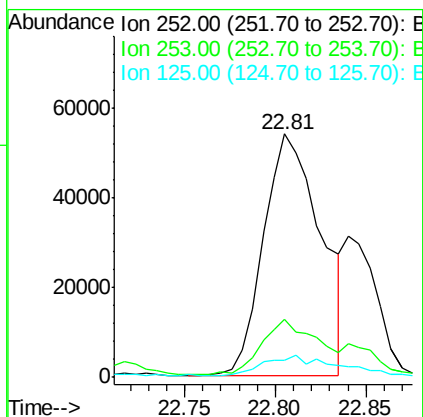
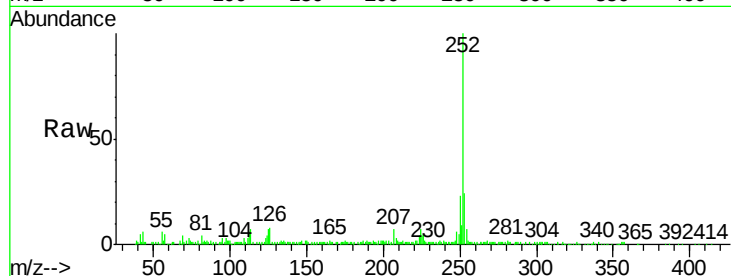




#88
Benzo(k)fluoranthene
Concen: 13.66 ng
RT: 22.81 min Scan# 3424
Delta R.T. -0.03 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

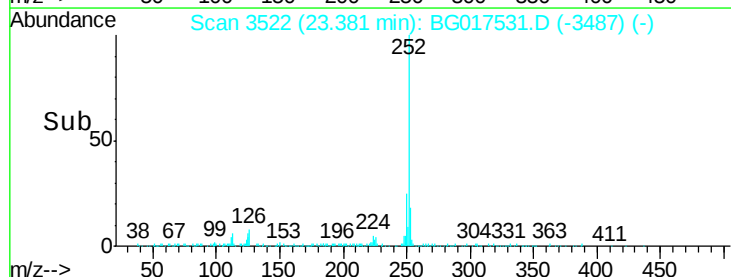
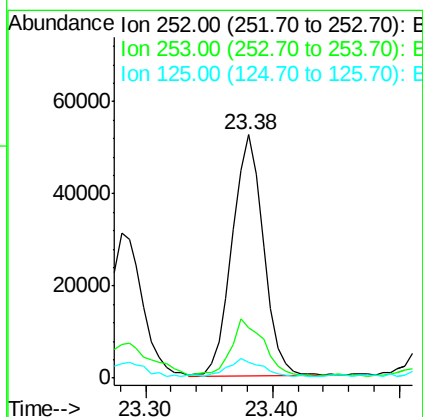
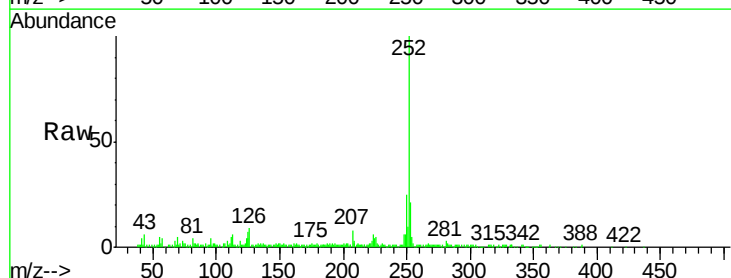
Instrument :
BNA_G
ClientSampleId :
SP-4

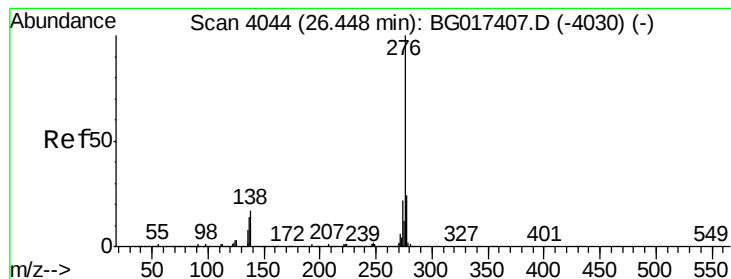
Tgt Ion:252 Resp: 118525
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 6.9 6.5 9.7



#89
Benzo(a)pyrene
Concen: 10.74 ng
RT: 23.38 min Scan# 3522
Delta R.T. 0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion:252 Resp: 89292
Ion Ratio Lower Upper
252 100
253 20.8 18.1 27.1
125 6.7 6.5 9.7





#91

Benzo(g,h,i)perylene

Concen: 5.47 ng

RT: 26.47 min Scan# 4047

Delta R.T. 0.02 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

ClientSampleId :

SP-4

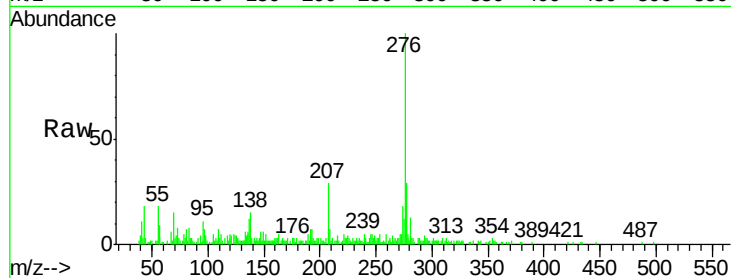
Tgt Ion: 276 Resp: 44962

Ion Ratio Lower Upper

276 100

277 29.0 19.2 28.8#

138 15.0 13.5 20.3



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

