

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016537.D
 Acq On : 19 Apr 2015 00:52
 Operator : TP/IZ
 Sample : G1880-04
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S2-2-24

Quant Time: Apr 20 04:13:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 03:57:28 2015
 Response via : Initial Calibration

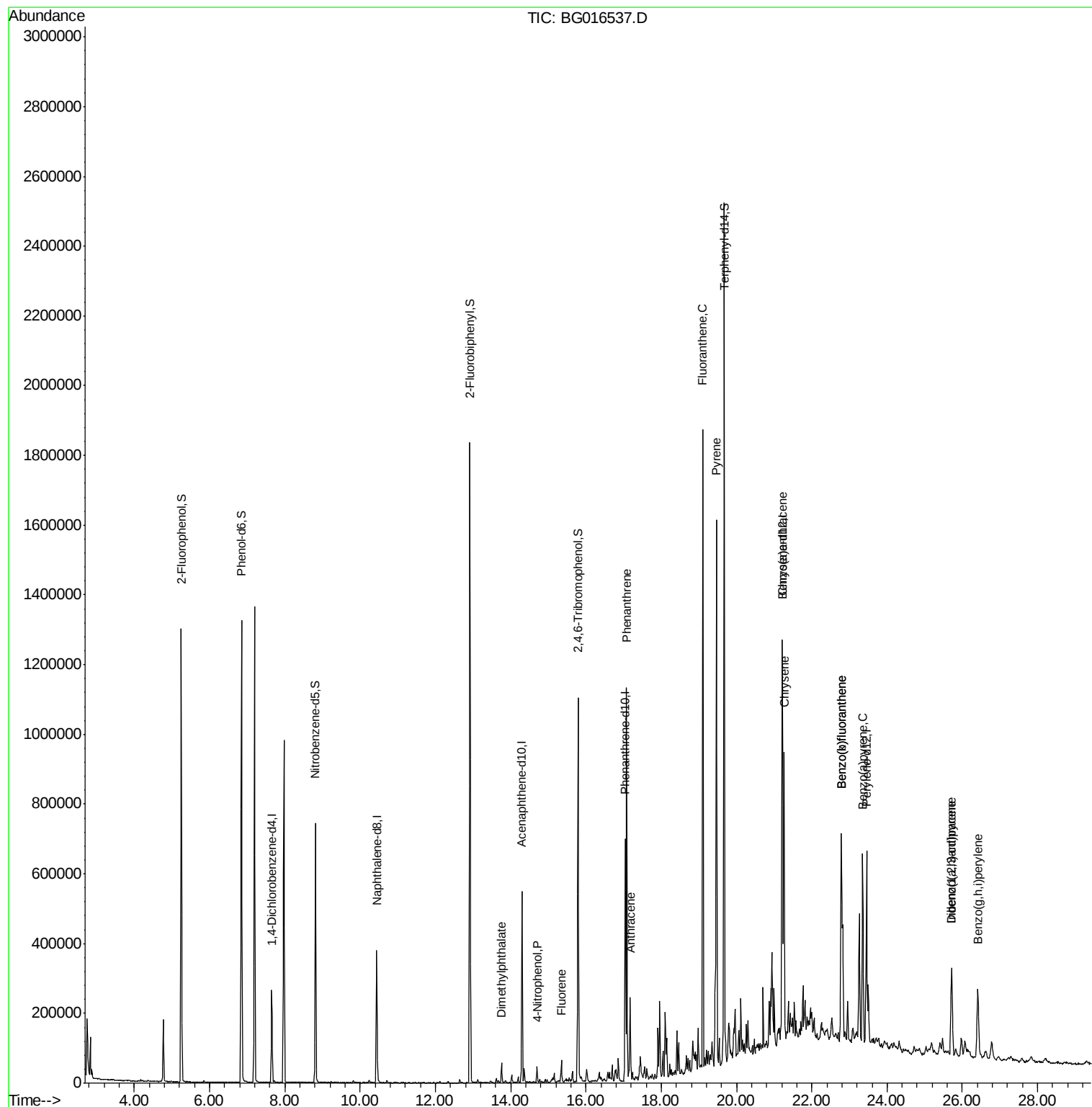
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	76749	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	331664	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	183725	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	373019	20.00	ng	0.00
75) Chrysene-d12	21.23	240	321625	20.00	ng	0.00
86) Perylene-d12	23.45	264	311349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	608297	125.09	ng	0.00
7) Phenol-d6	6.85	99	844255	115.65	ng	0.00
23) Nitrobenzene-d5	8.82	82	449396	78.49	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	145428	117.04	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	900846	83.48	ng	0.00
78) Terphenyl-d14	19.68	244	965345	70.25	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.76	163	37785	2.81	ng	98
55) 4-Nitrophenol	14.70	139	7878	2.29	ng	# 20
57) Fluorene	15.35	166	28068	2.01	ng	95
70) Phenanthrene	17.08	178	601677	28.68	ng	99
71) Anthracene	17.17	178	130595	6.28	ng	98
74) Fluoranthene	19.11	202	947224	43.80	ng	97
77) Pyrene	19.47	202	845460	37.75	ng	100
80) Benzo(a)anthracene	21.21	228	408669	21.50	ng	100
82) Chrysene	21.26	228	367795	20.04	ng	98
85) Indeno(1,2,3-cd)pyrene	25.72	276	195743	10.27	ng	# 89
87) Benzo(b)fluoranthene	22.78	252	574328	31.50	ng	98
88) Benzo(k)fluoranthene	22.78	252	574328	32.18	ng	99
89) Benzo(a)pyrene	23.35	252	315227	18.44	ng	98
90) Dibenzo(a,h)anthracene	25.72	278	50598	3.04	ng	# 63
91) Benzo(g,h,i)perylene	26.41	276	189775	11.42	ng	99

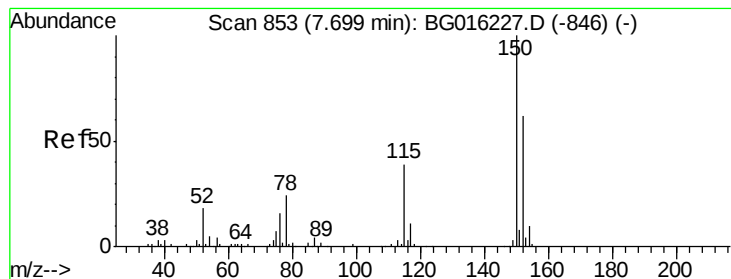
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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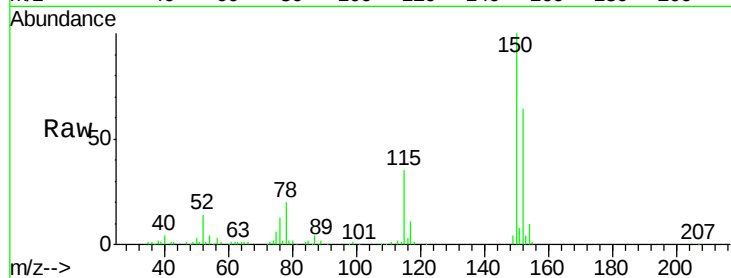


#1

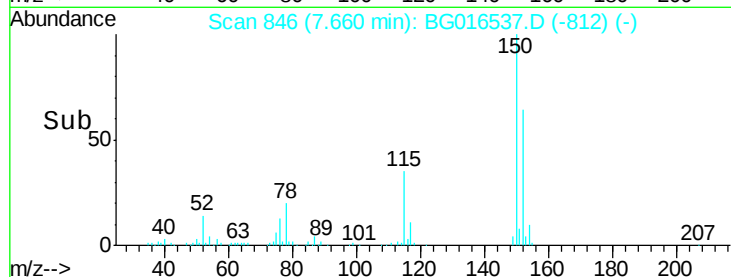
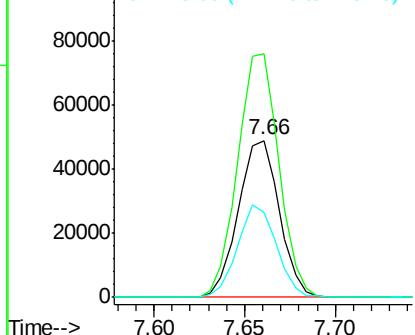
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.66 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG016537.D
Acq: 19 Apr 2015 00:52

Instrument :
BNA_G
ClientSampleId :
S2-2-24

Tgt Ion:152 Resp: 76749
Ion Ratio Lower Upper
152 100
150 155.3 130.1 195.1
115 53.9 50.5 75.7



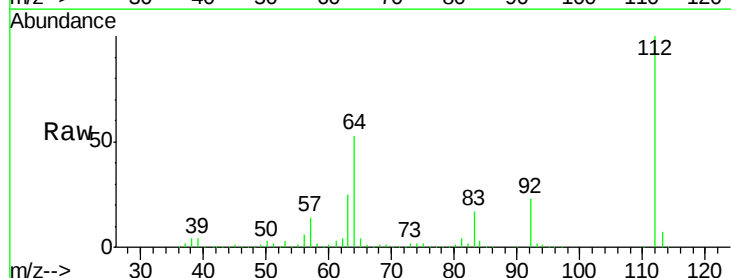
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



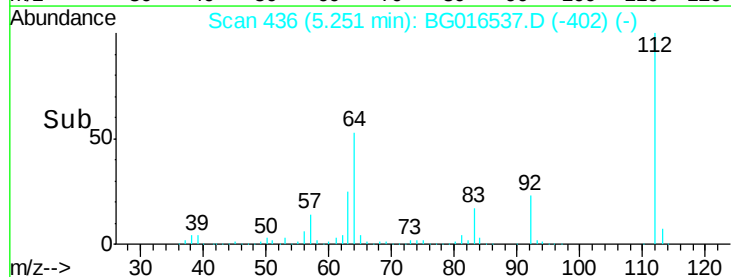
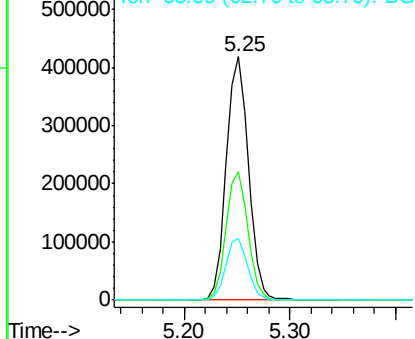
#5

2-Fluorophenol
Concen: 125.09 ng
RT: 5.25 min Scan# 436
Delta R.T. 0.00 min
Lab File: BG016537.D
Acq: 19 Apr 2015 00:52

Tgt Ion:112 Resp: 608297
Ion Ratio Lower Upper
112 100
64 52.9 44.5 66.7
63 25.2 21.4 32.0



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: 115.65 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

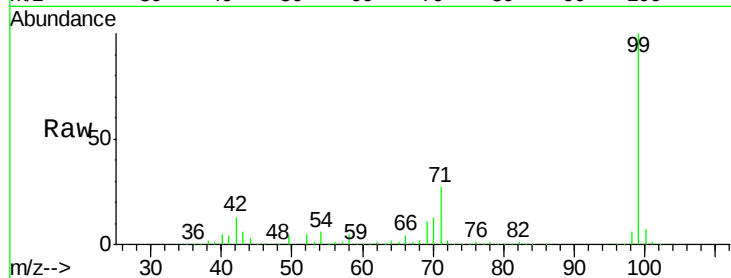
Tgt Ion: 99 Resp: 844255

Ion Ratio Lower Upper

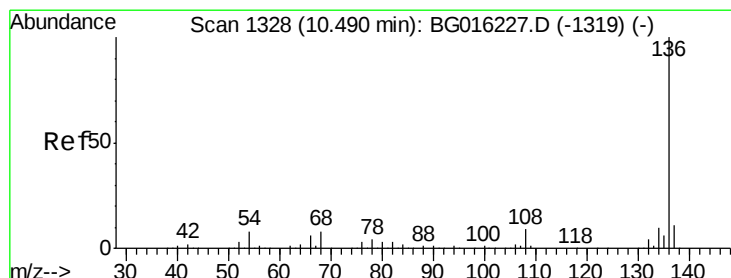
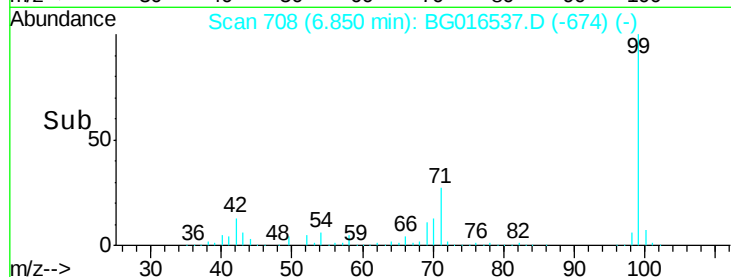
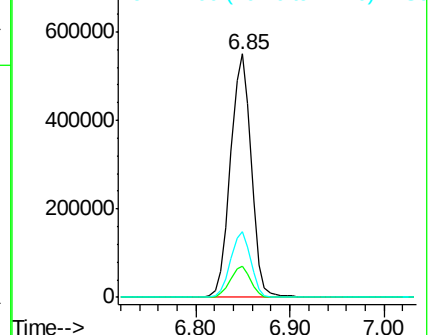
99 100

42 12.6 10.0 15.0

71 27.2 21.5 32.3



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: 10.44 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Tgt Ion: 136 Resp: 331664

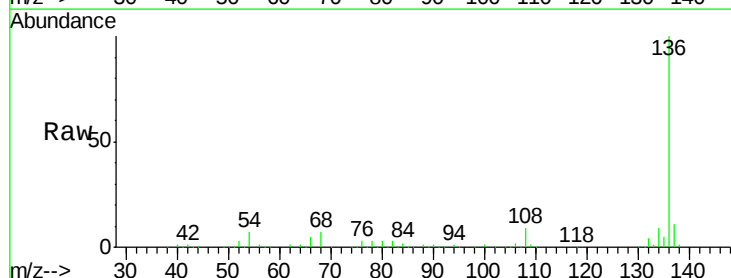
Ion Ratio Lower Upper

136 100

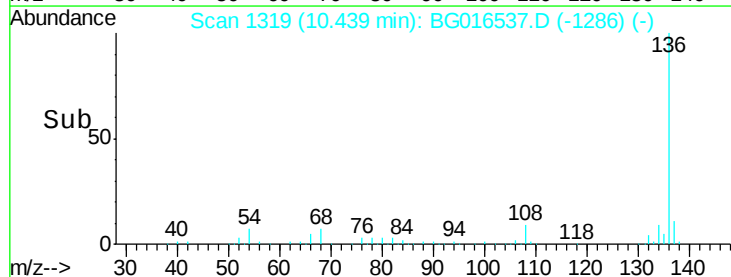
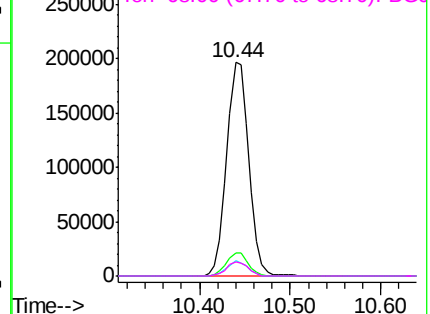
137 11.0 8.7 13.1

54 7.1 6.3 9.5

68 6.9 6.5 9.7



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

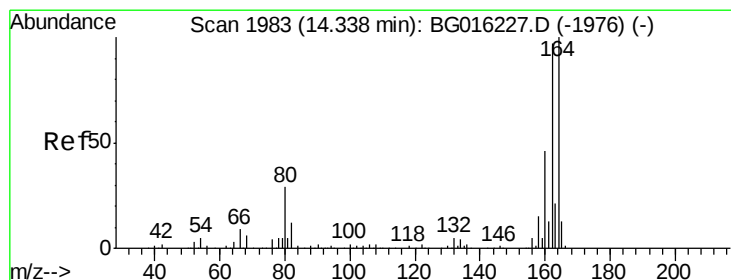
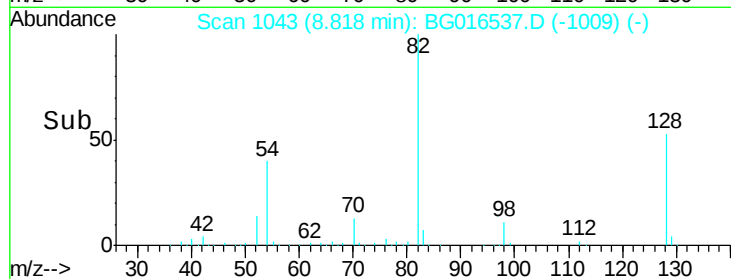
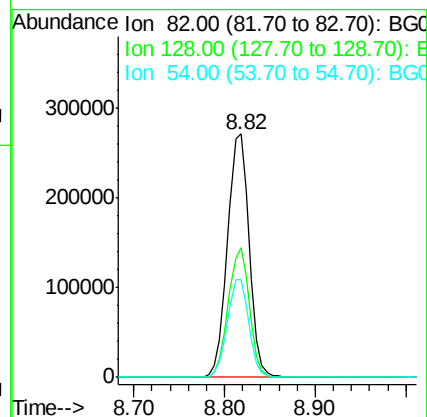
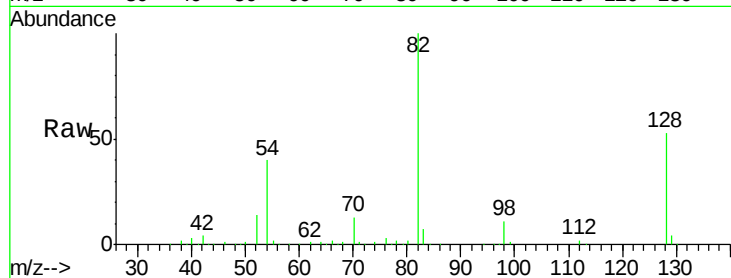




#23
 Nitrobenzene-d5
 Concen: 78.49 ng
 RT: 8.82 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

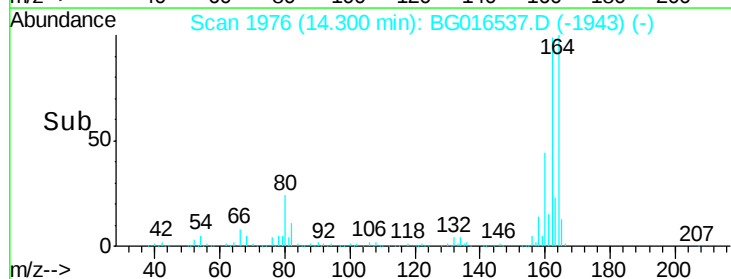
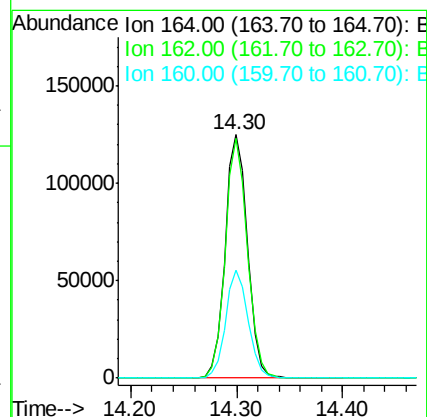
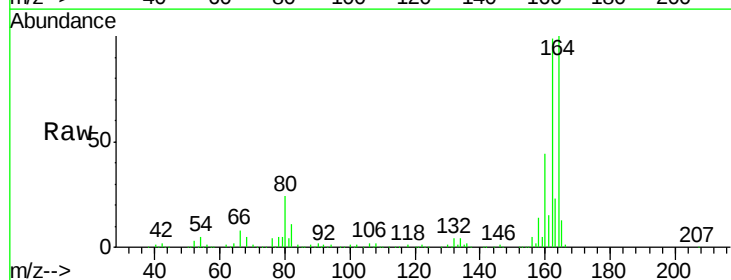
Instrument :
 BNA_G
 ClientSampleId :
 S2-2-24

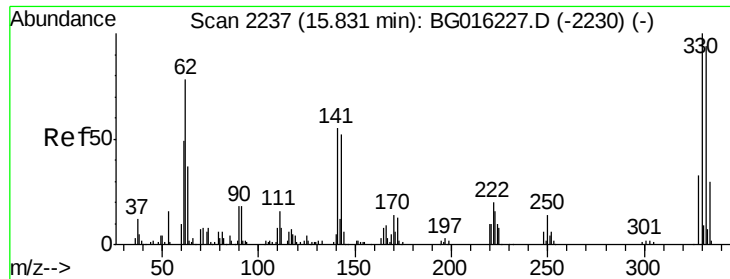
Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.1	37.8	56.8
54	40.3	32.6	49.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.30 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	77.3	115.9
160	44.2	36.7	55.1

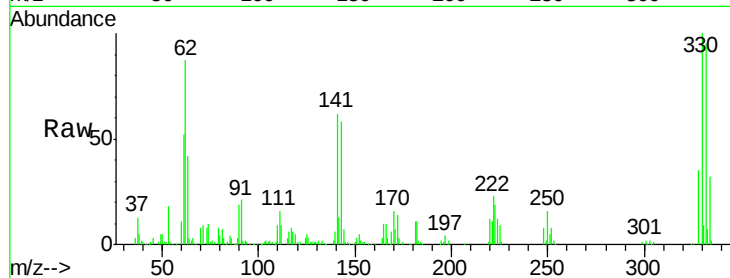




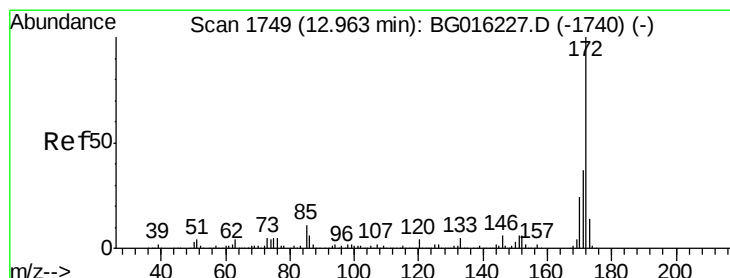
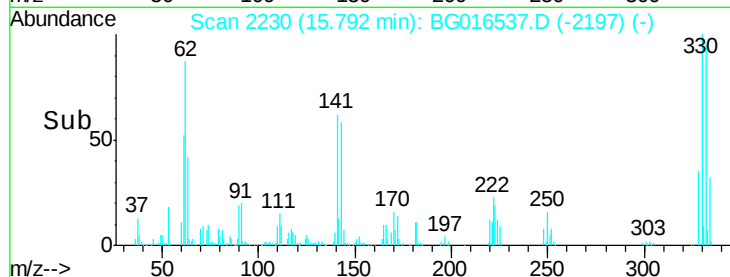
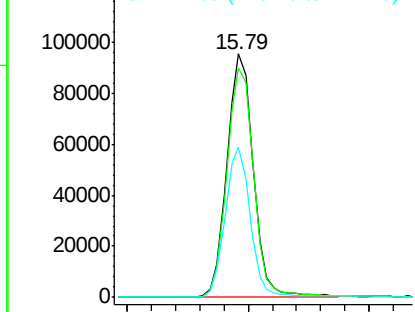
#41
 2,4,6-Tribromophenol
 Concen: 117.04 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

Instrument :
 BNA_G
 ClientSampleId :
 S2-2-24

Tgt Ion:330 Resp: 145428
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.8 113.6
 141 59.9 46.6 69.8

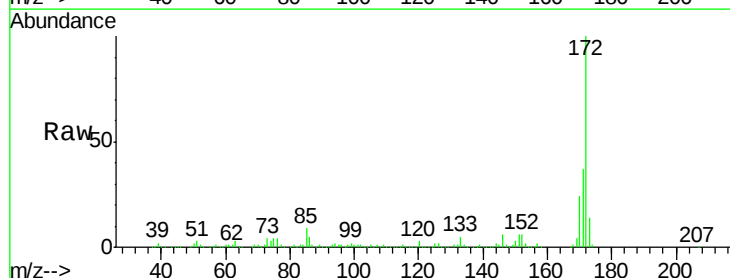


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

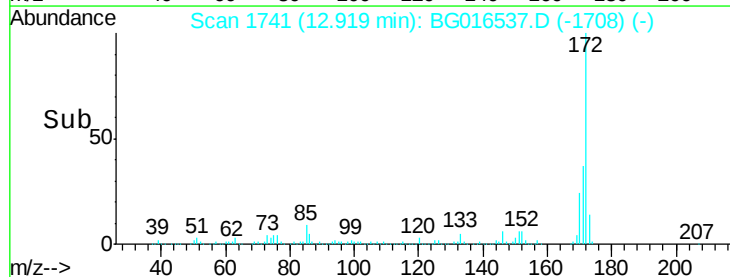
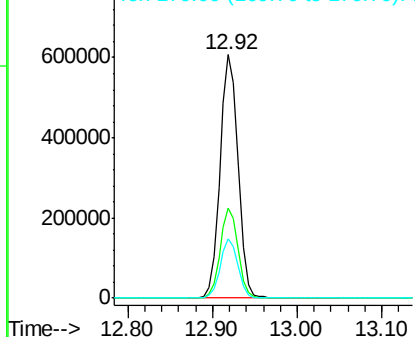


#44
 2-Fluorobiphenyl
 Concen: 83.48 ng
 RT: 12.92 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

Tgt Ion:172 Resp: 900846
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 24.3 19.4 29.2



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: 2.81 ng

RT: 13.76 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

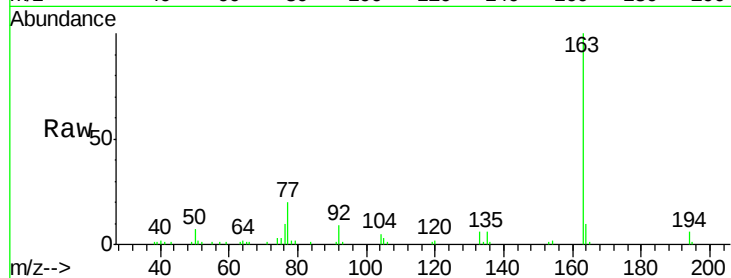
Tgt Ion:163 Resp: 37785

Ion Ratio Lower Upper

163 100

194 5.9 5.0 7.4

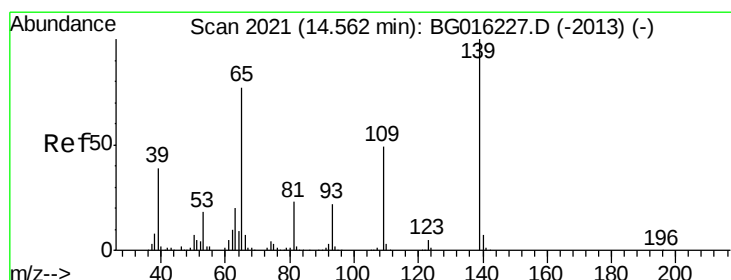
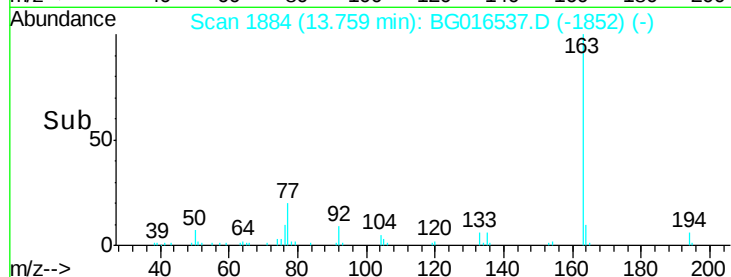
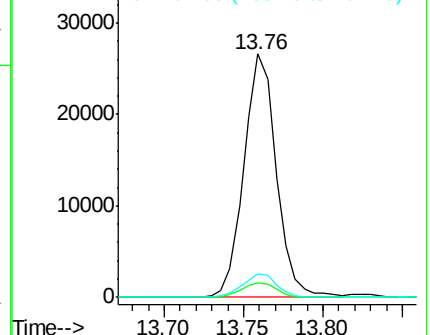
164 9.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 2.29 ng

RT: 14.70 min Scan# 2044

Delta R.T. 0.15 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

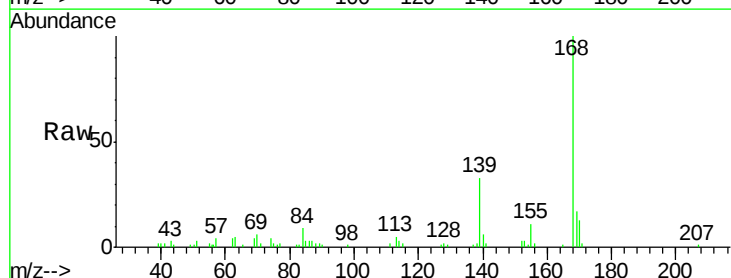
Tgt Ion:139 Resp: 7878

Ion Ratio Lower Upper

139 100

109 0.0 28.5 68.5#

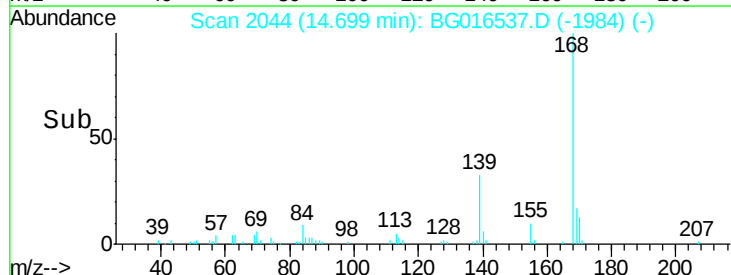
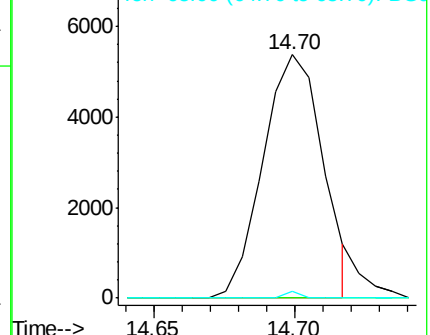
65 2.9 56.9 96.9#

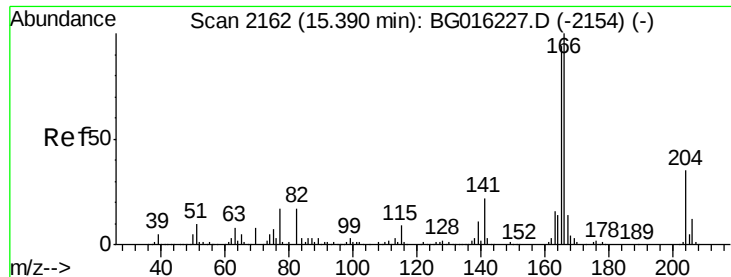


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG0





#57

Fluorene

Concen: 2.01 ng

RT: 15.35 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

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ClientSampleId :

S2-2-24

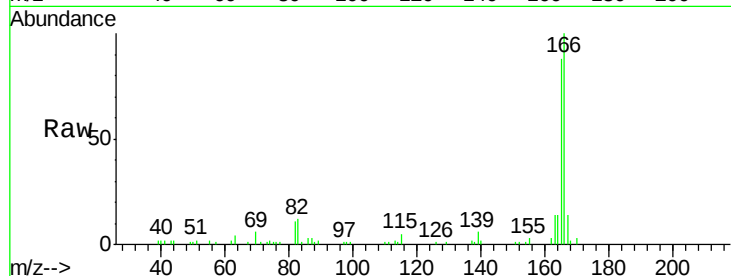
Tgt Ion:166 Resp: 28068

Ion Ratio Lower Upper

166 100

165 88.1 75.2 112.8

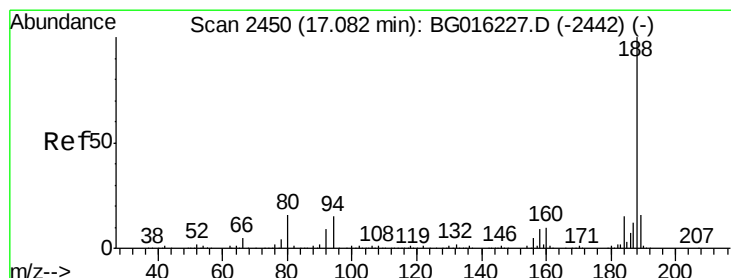
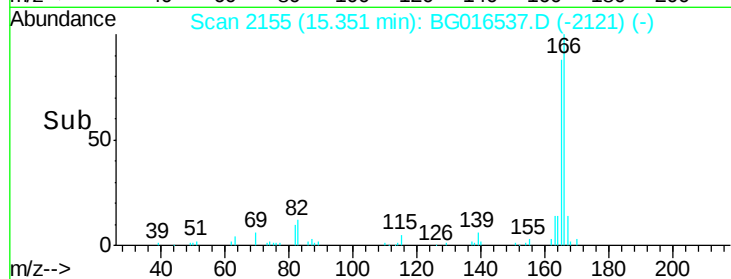
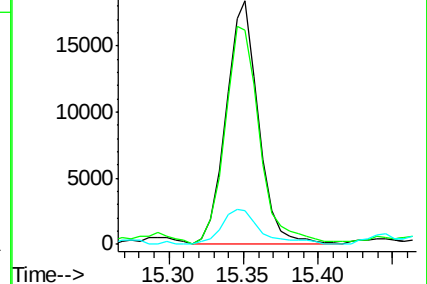
167 13.6 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

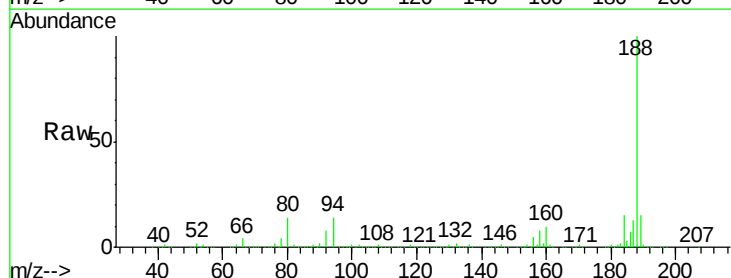
Tgt Ion:188 Resp: 373019

Ion Ratio Lower Upper

188 100

94 13.8 12.2 18.4

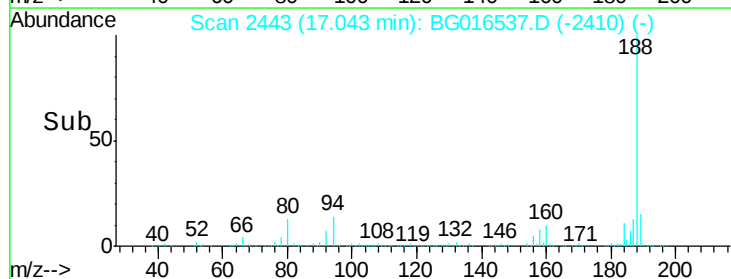
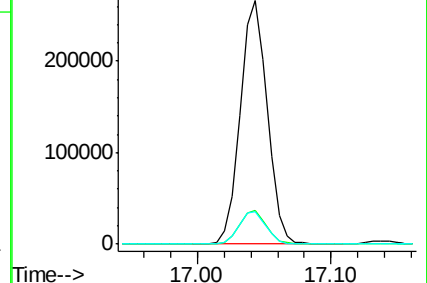
80 13.6 12.8 19.2

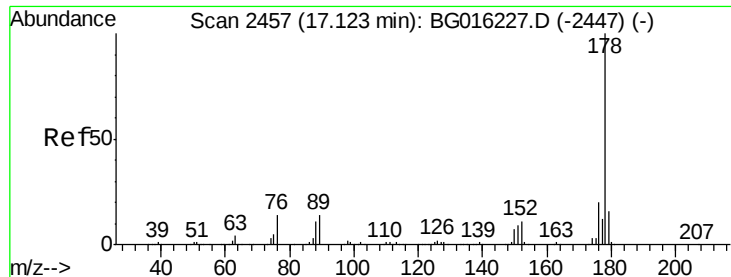


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 28.68 ng

RT: 17.08 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

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S2-2-24

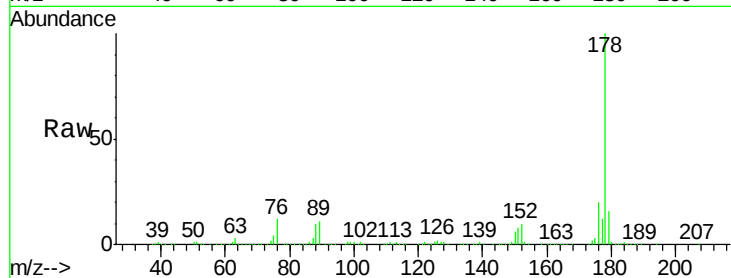
Tgt Ion:178 Resp: 601677

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

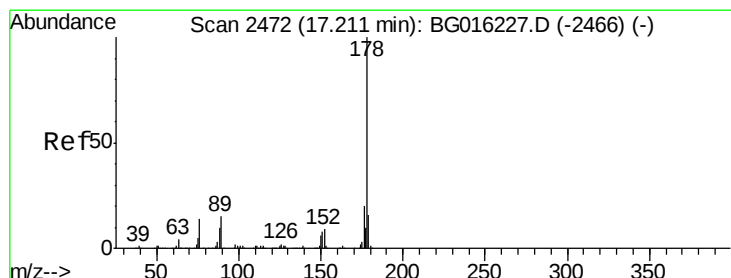
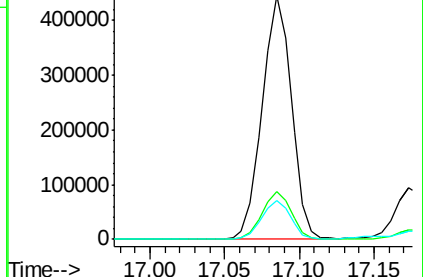
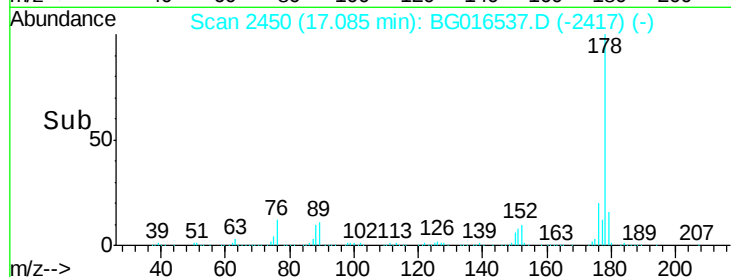
179 16.0 12.7 19.1



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: 6.28 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

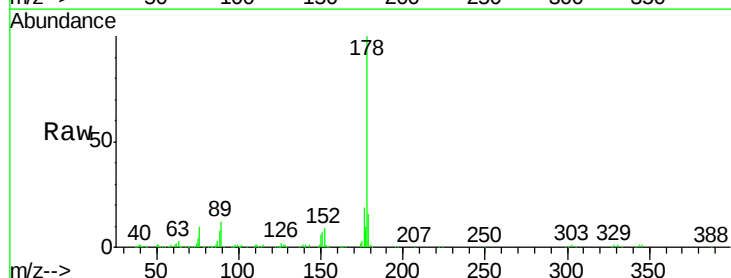
Tgt Ion:178 Resp: 130595

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

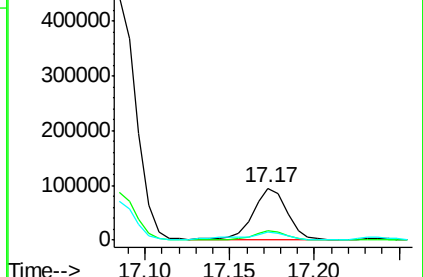
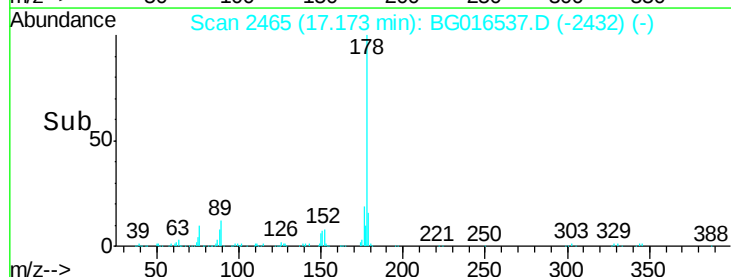
179 16.2 13.0 19.6

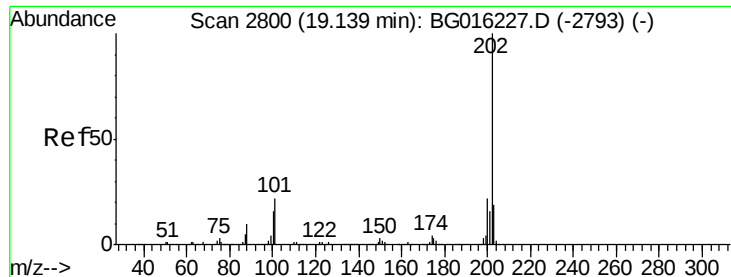


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 43.80 ng

RT: 19.11 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

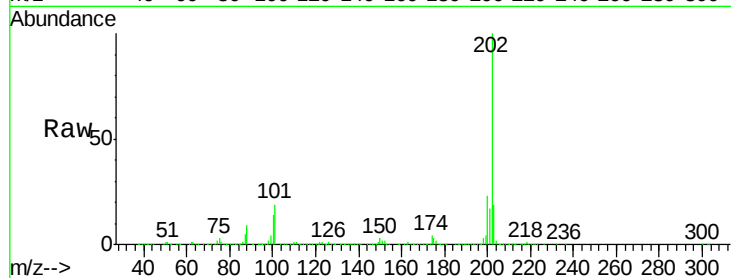
Tgt Ion:202 Resp: 947224

Ion Ratio Lower Upper

202 100

101 19.1 1.7 41.7

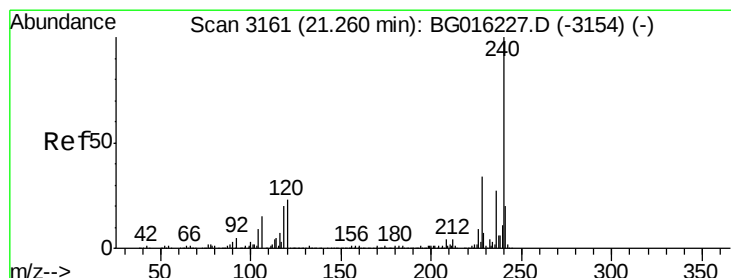
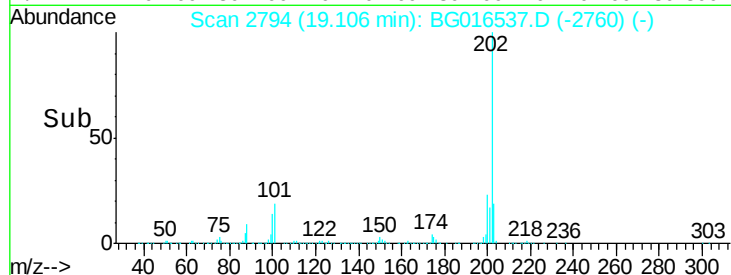
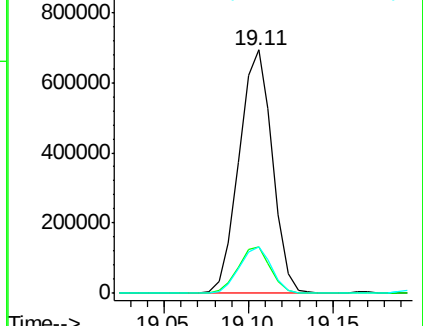
203 18.9 0.0 38.7



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: 21.23 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

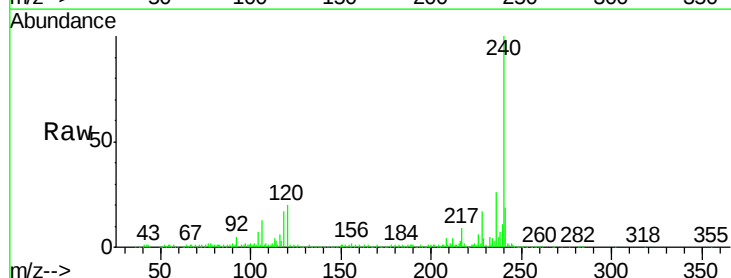
Tgt Ion:240 Resp: 321625

Ion Ratio Lower Upper

240 100

120 20.4 18.6 28.0

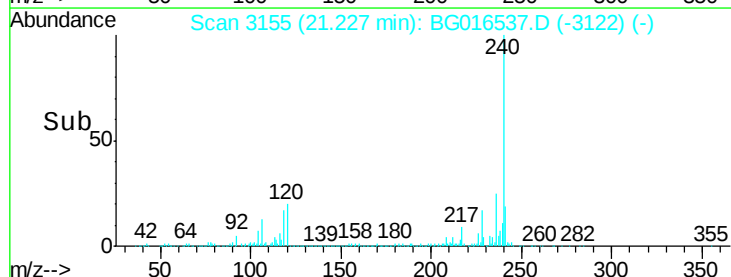
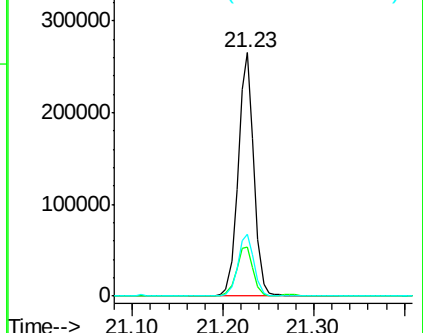
236 25.6 21.7 32.5

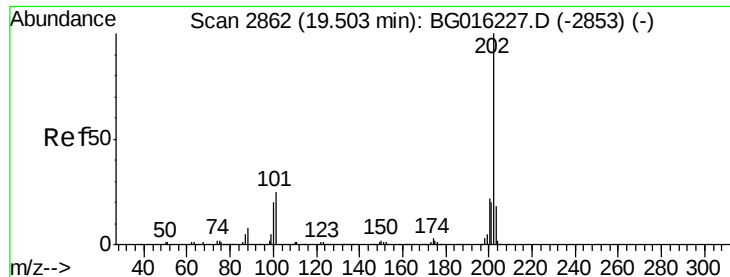


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 37.75 ng

RT: 19.47 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

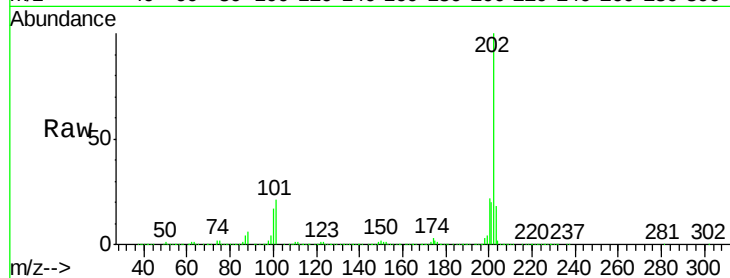
Tgt Ion:202 Resp: 845460

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

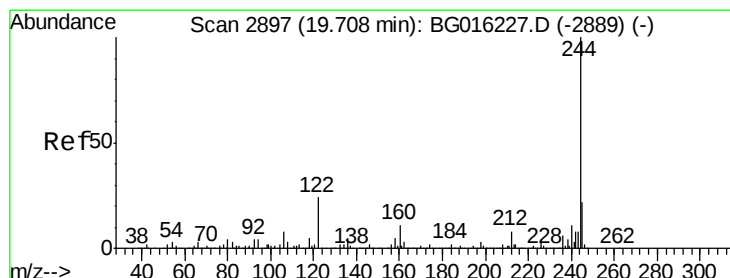
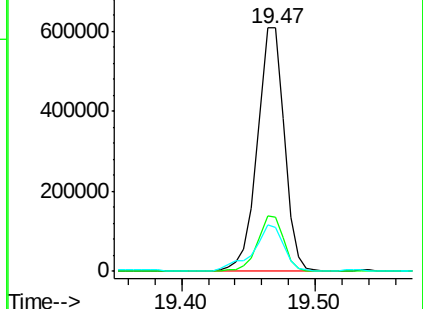
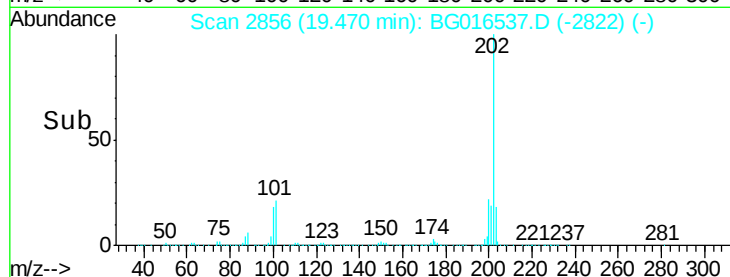
203 18.2 14.7 22.1



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: 70.25 ng

RT: 19.68 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

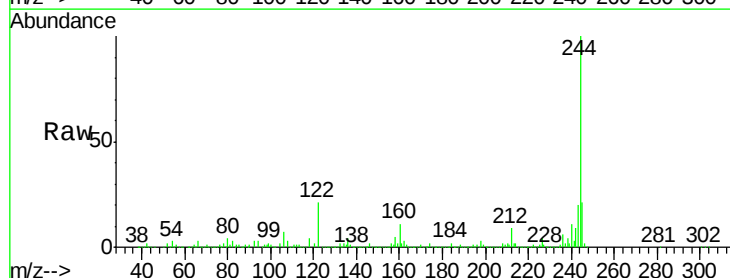
Tgt Ion:244 Resp: 965345

Ion Ratio Lower Upper

244 100

212 8.5 6.6 9.8

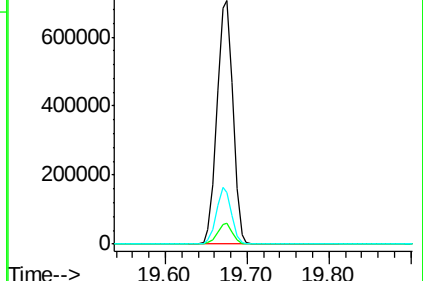
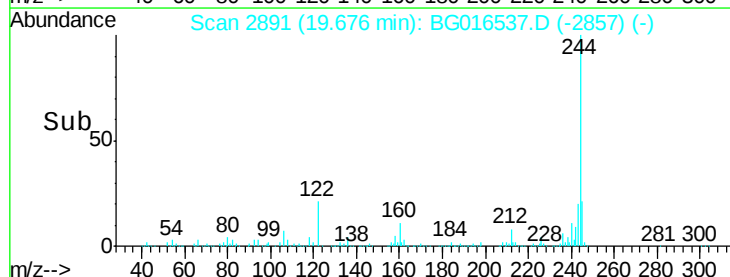
122 21.4 19.1 28.7

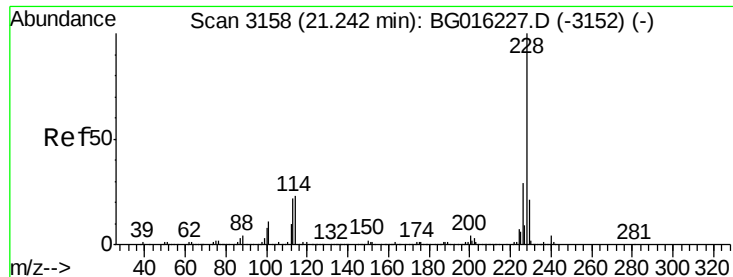


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 21.50 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

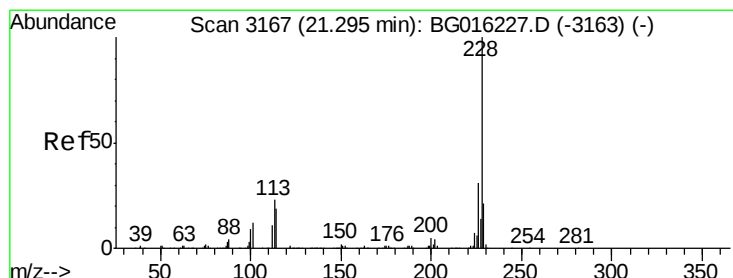
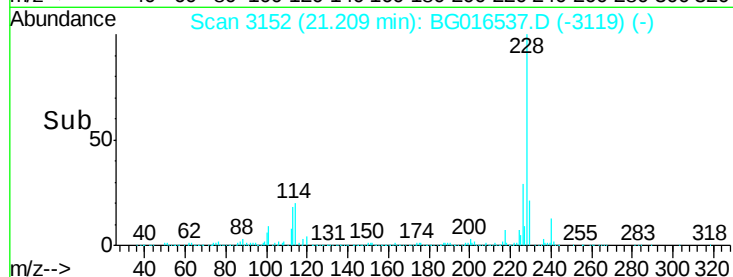
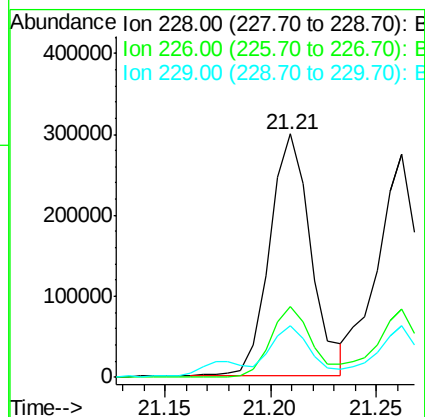
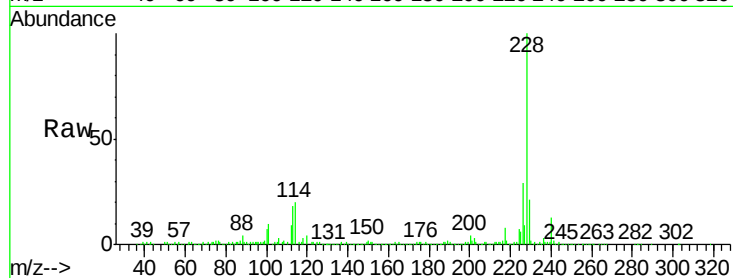
Instrument :

BNA_G

ClientSampleId :

S2-2-24

Tgt Ion:	228	Resp:	408669
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	21.3	16.8	25.2



#82

Chrysene

Concen: 20.04 ng

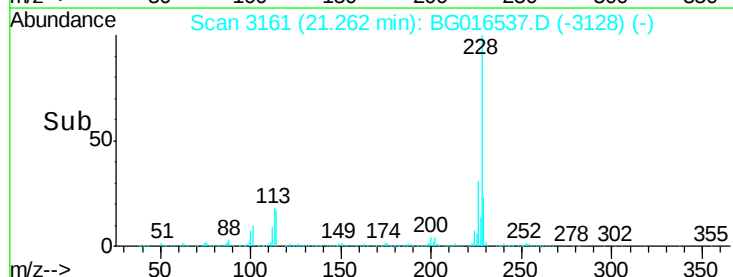
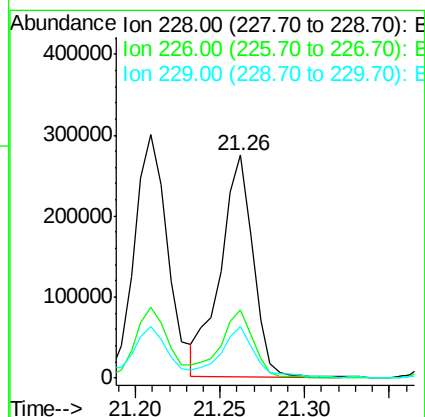
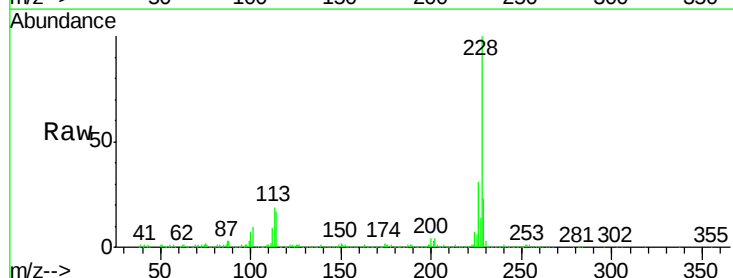
RT: 21.26 min Scan# 3161

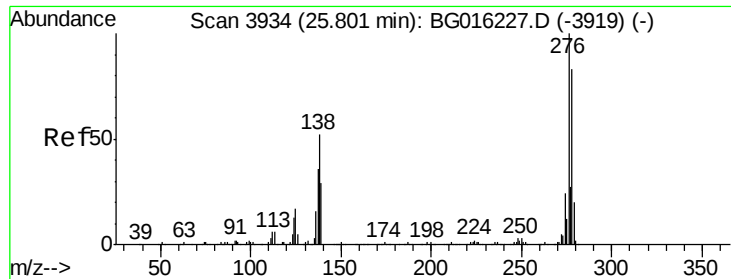
Delta R.T. -0.00 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Tgt Ion:	228	Resp:	367795
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	22.9	17.0	25.4

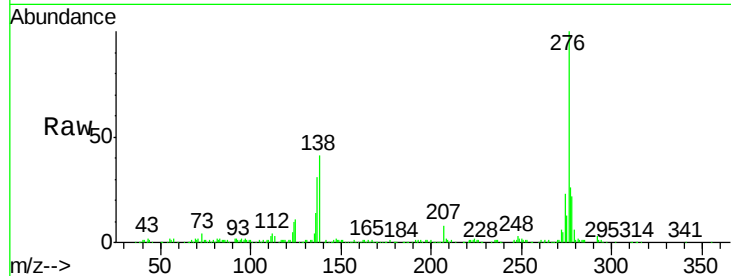




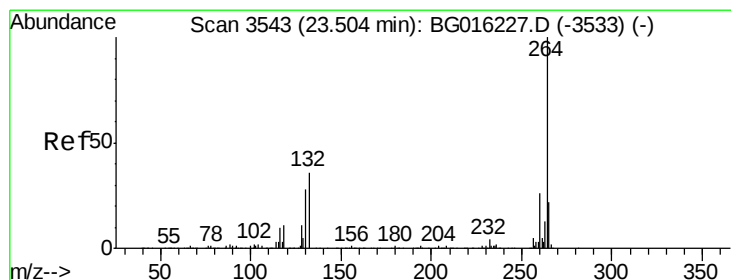
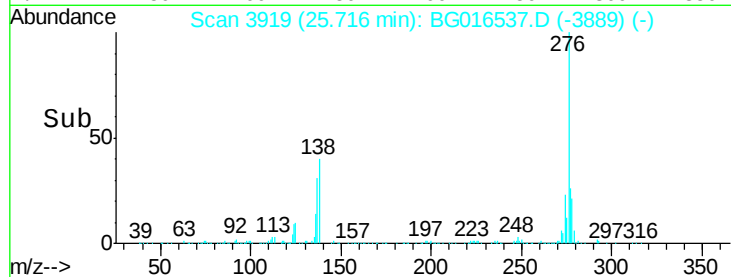
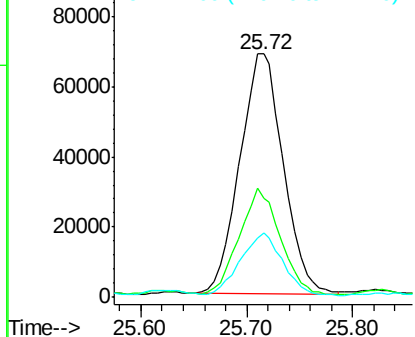
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.27 ng
 RT: 25.72 min Scan# 3919
 Delta R.T. -0.02 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

Instrument :
 BNA_G
 ClientSampleId :
 S2-2-24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	41.4	41.5	62.3#
277	25.3	21.0	31.6

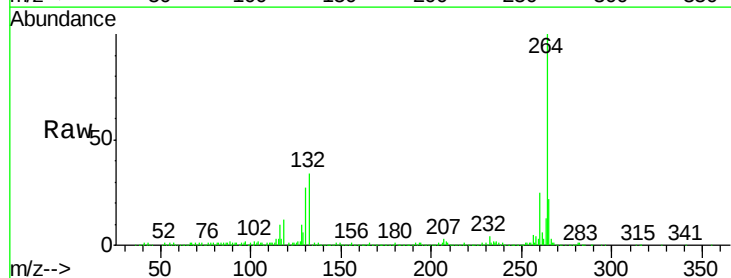


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

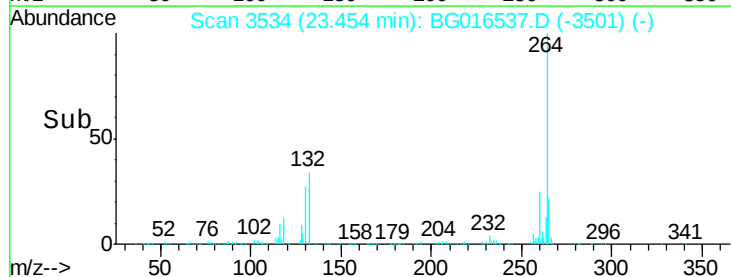
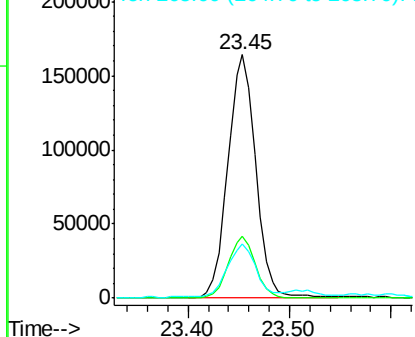


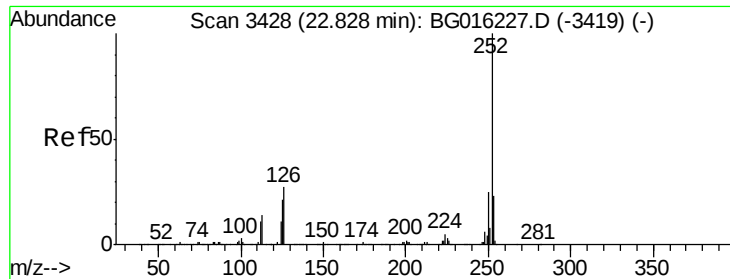
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BG016537.D
 Acq: 19 Apr 2015 00:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.4	30.6
265	22.3	17.2	25.8



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: 31.50 ng

RT: 22.78 min Scan# 3420

Delta R.T. -0.00 min

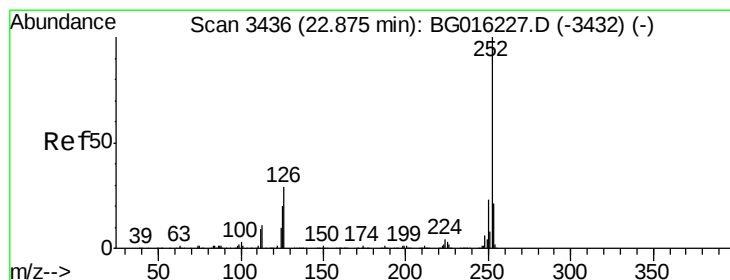
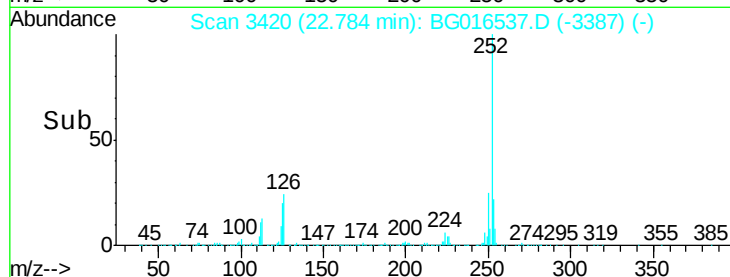
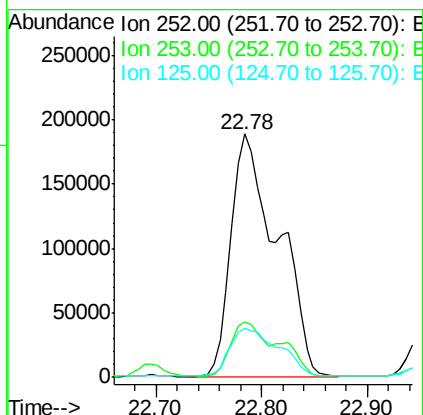
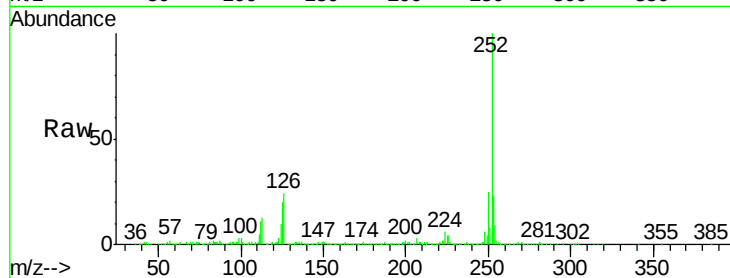
Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :
BNA_G
ClientSampleId :
S2-2-24

Tgt Ion:252 Resp: 574328

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	20.4	17.0	25.6



#88

Benzo(k)fluoranthene

Concen: 32.18 ng

RT: 22.78 min Scan# 3420

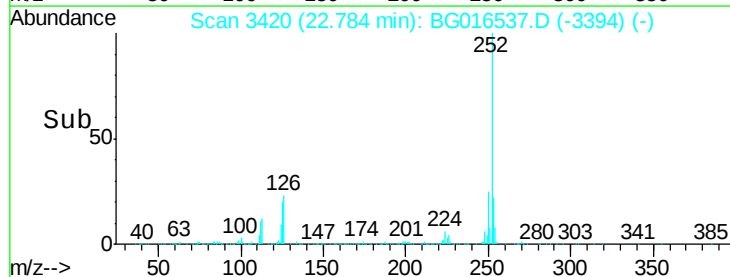
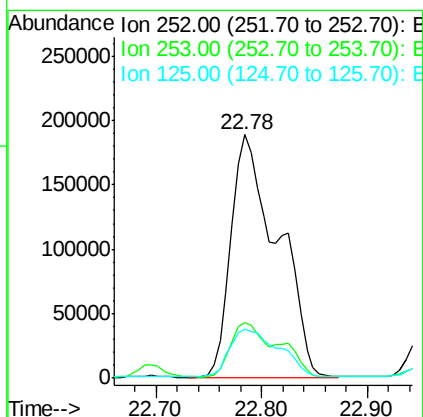
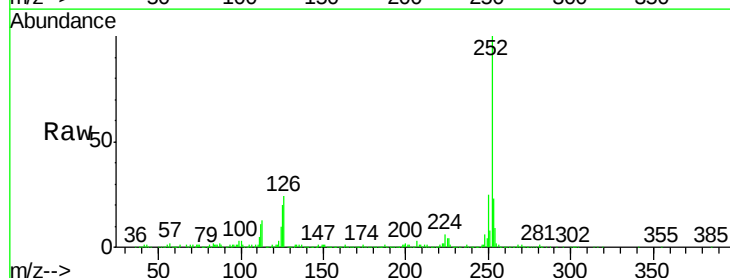
Delta R.T. -0.05 min

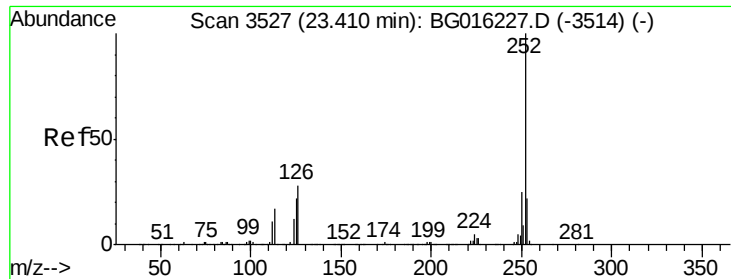
Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Tgt Ion:252 Resp: 574328

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	20.4	16.3	24.5





#89

Benzo(a)pyrene

Concen: 18.44 ng

RT: 23.35 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

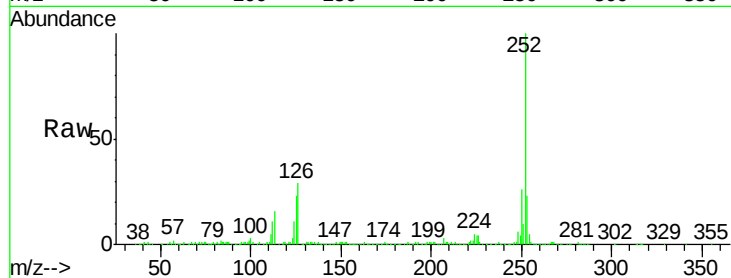
Tgt Ion: 252 Resp: 315227

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

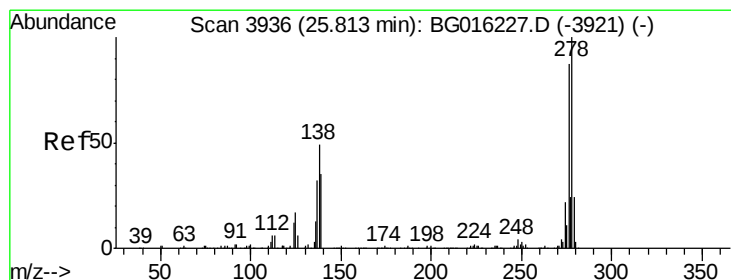
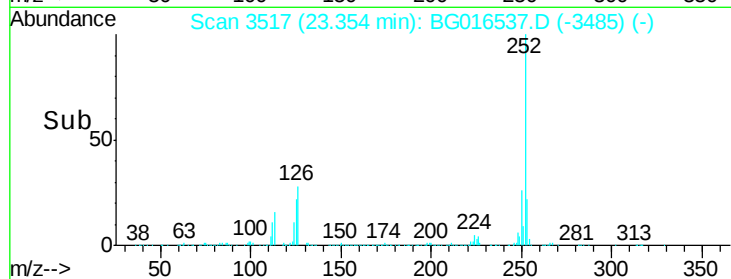
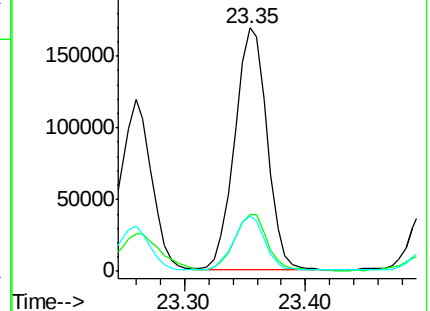
125 22.8 17.6 26.4



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



#90

Dibenzo(a,h)anthracene

Concen: 3.04 ng

RT: 25.72 min Scan# 3920

Delta R.T. -0.02 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

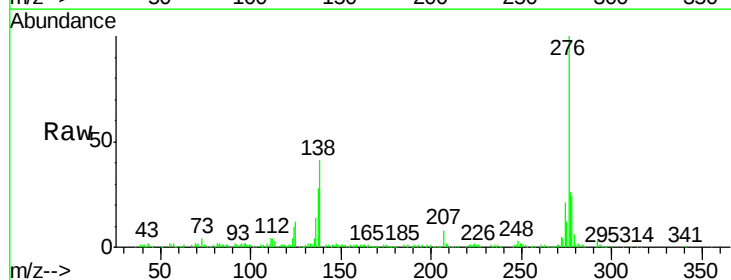
Tgt Ion: 278 Resp: 50598

Ion Ratio Lower Upper

278 100

139 0.0 27.9 41.9#

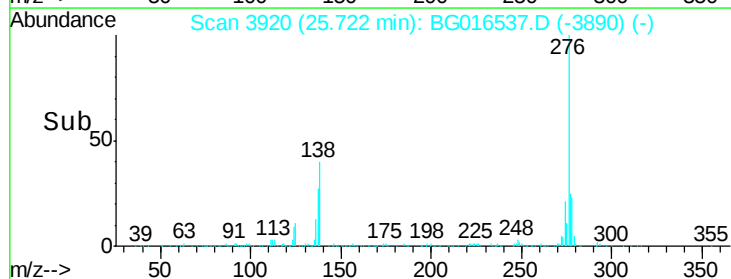
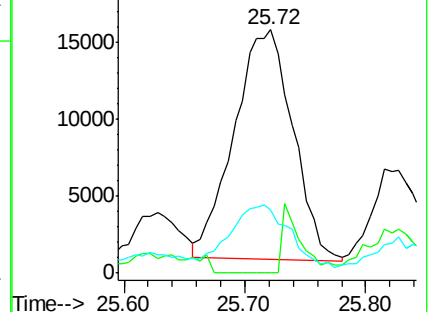
279 26.1 19.5 29.3

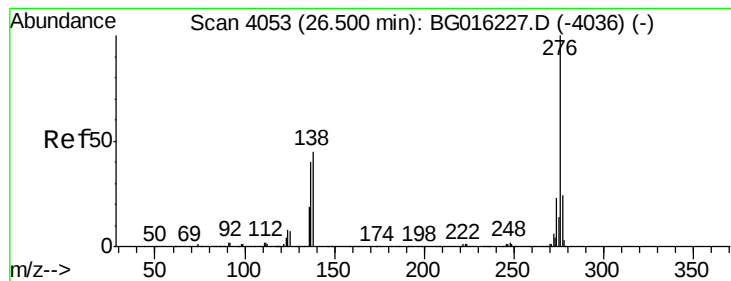


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.42 ng

RT: 26.41 min Scan# 4037

Delta R.T. -0.02 min

Lab File: BG016537.D

Acq: 19 Apr 2015 00:52

Instrument :

BNA_G

ClientSampleId :

S2-2-24

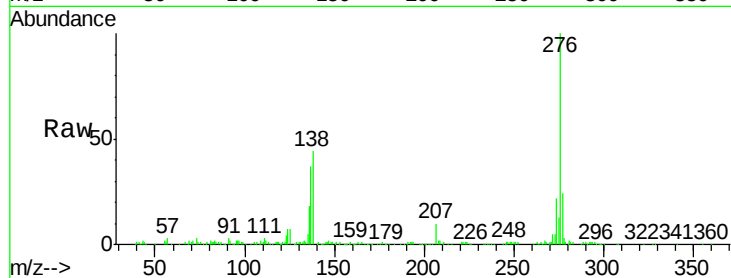
Tgt Ion: 276 Resp: 189775

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 43.8 35.7 53.5



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

