

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085822.D
 Acq On : 29 Mar 2016 1:01
 Operator : UM/SJ
 Sample : H1937-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

Quant Time: Mar 29 03:41:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	110766	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	438024	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	187643	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	321235	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	189775	20.00	ng	0.00
86) Perylene-d12	15.40	264	200122	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	779004	117.13	ng	0.01
7) Phenol-d6	6.46	99	1039654	122.95	ng	0.00
23) Nitrobenzene-d5	7.38	82	687940	88.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	222839	124.99	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	944617	84.11	ng	-0.01
78) Terphenyl-d14	12.93	244	722167	78.26	ng	0.00

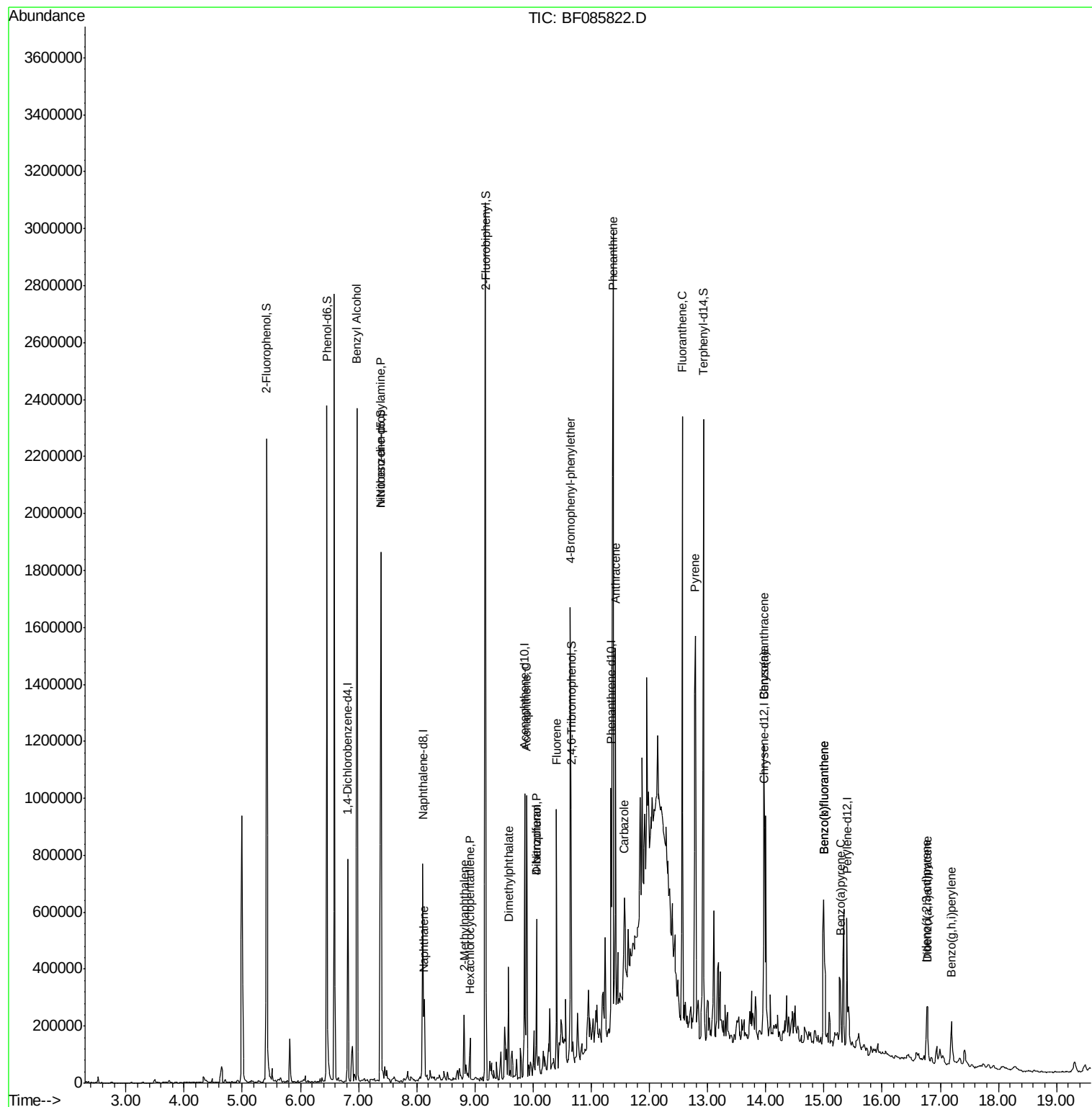
Target Compounds						Qvalue
15) Benzyl Alcohol	6.97	79	13820	2.45	ng	# 48
19) n-Nitroso-di-n-propylamine	7.38	70	94833	18.73	ng	# 76
31) Naphthalene	8.12	128	116274	5.27	ng	99
37) 2-Methylnaphthalene	8.81	142	60423	2.86	ng	98
40) Hexachlorocyclopentadiene	8.92	237	232	9.28	ng	# 26
49) Dimethylphthalate	9.58	163	191975	13.49	ng	98
51) Acenaphthene	9.89	154	204121	17.61	ng	99
54) Dibenzofuran	10.06	168	170569	11.37	ng	97
55) 4-Nitrophenol	10.06	139	72544	31.75	ng	# 12
57) Fluorene	10.40	166	226914	18.20	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	13712	4.17	ng	# 1
70) Phenanthrene	11.37	178	1432849	86.87	ng	100
71) Anthracene	11.42	178	540445	31.21	ng	99
72) Carbazole	11.57	167	158173	10.88	ng	99
74) Fluoranthene	12.56	202	950460	54.21	ng	98
77) Pyrene	12.79	202	841334	53.93	ng	99
80) Benzo(a)anthracene	13.97	228	383549	35.44	ng	98
82) Chrysene	13.97	228	383641	35.20	ng	96
85) Indeno(1,2,3-cd)pyrene	16.77	276	134602	15.99	ng	95
87) Benzo(b)fluoranthene	15.00	252	401164	31.82	ng	98
88) Benzo(k)fluoranthene	15.00	252	401164	35.30	ng	# 96
89) Benzo(a)pyrene	15.28	252	134743	12.04	ng	97
90) Dibenzo(a,h)anthracene	16.78	278	31790	3.06	ng	# 86
91) Benzo(g,h,i)perylene	17.19	276	118651	11.27	ng	96

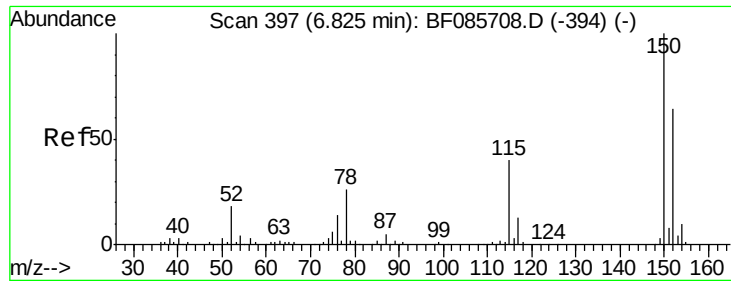
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

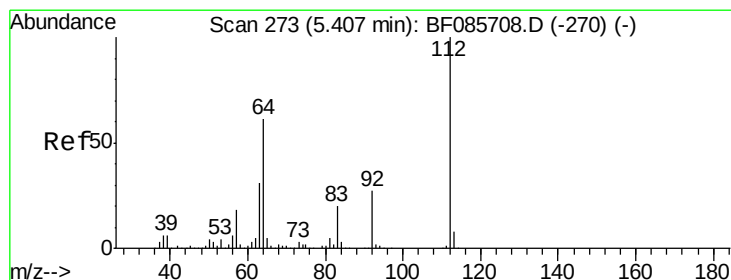
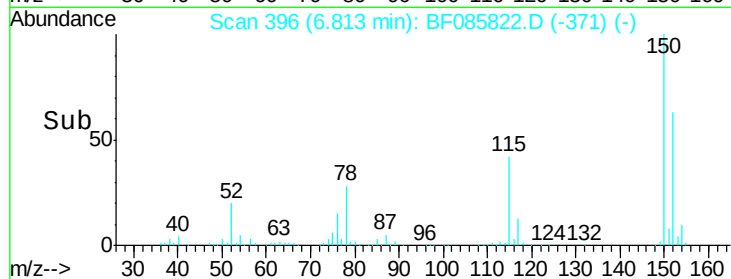
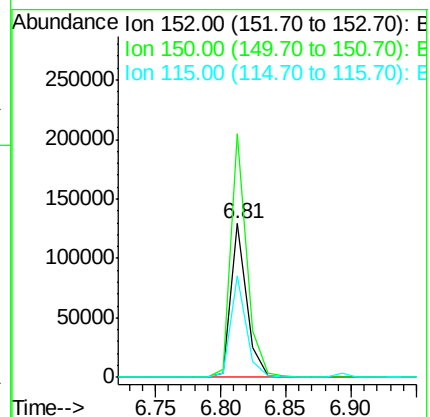
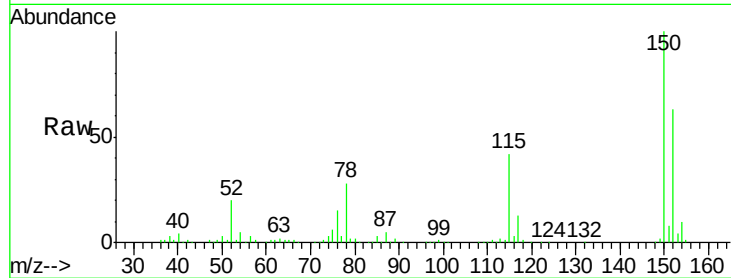
Tgt Ion:152 Resp: 110766

Ion Ratio Lower Upper

152 100

150 158.2 124.2 186.2

115 65.8 47.0 70.6



#5

2-Fluorophenol

Concen: 117.13 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

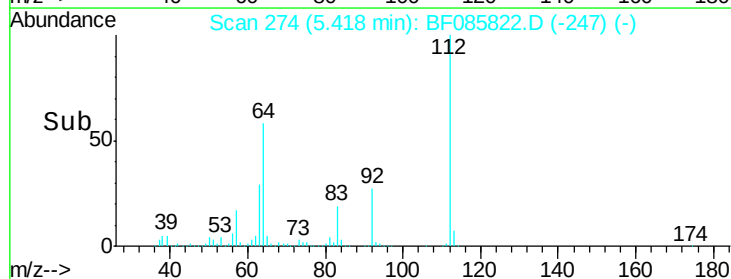
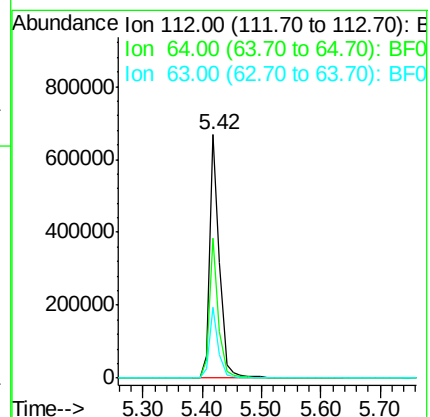
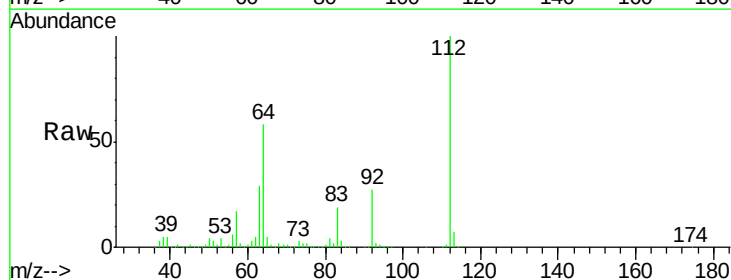
Tgt Ion:112 Resp: 779004

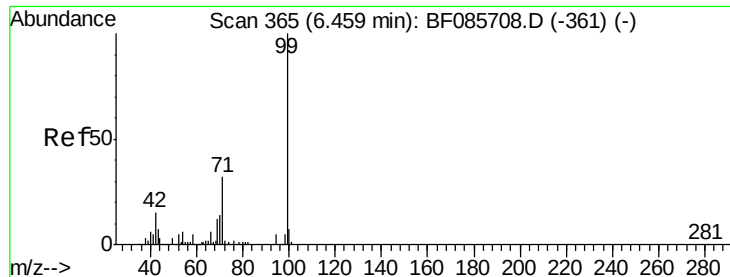
Ion Ratio Lower Upper

112 100

64 57.6 39.9 59.9

63 29.1 20.2 30.2





#7

Phenol-d6

Concen: 122.95 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

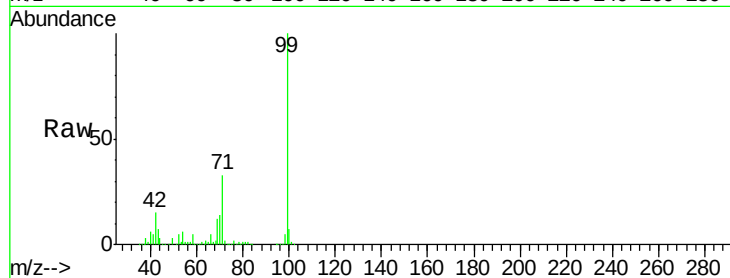
Tgt Ion: 99 Resp: 1039654

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

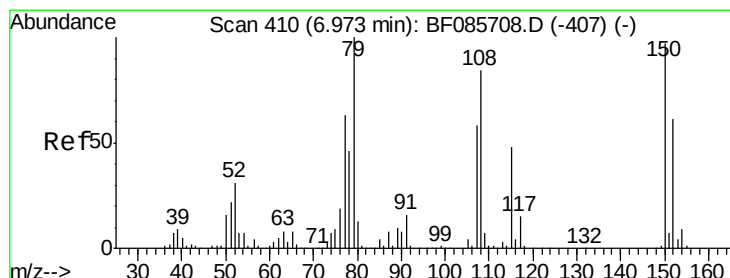
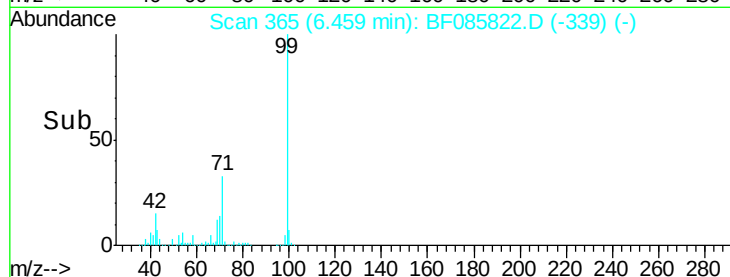
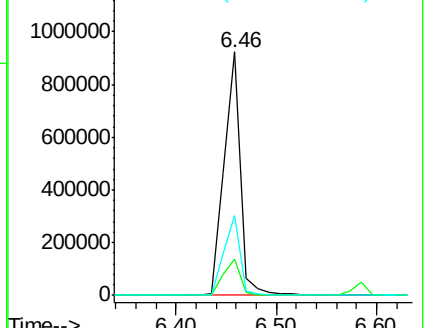
71 32.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.45 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

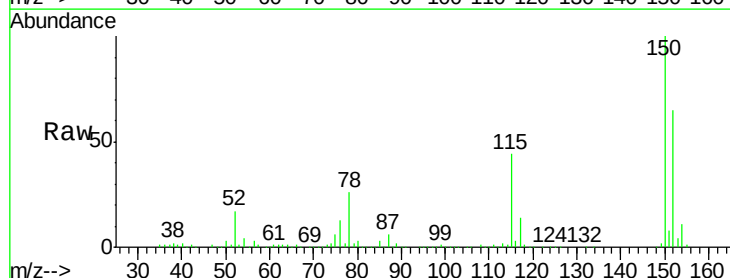
Tgt Ion: 79 Resp: 13820

Ion Ratio Lower Upper

79 100

108 33.4 61.8 92.6#

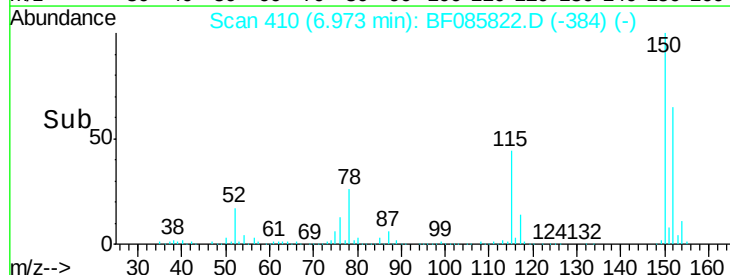
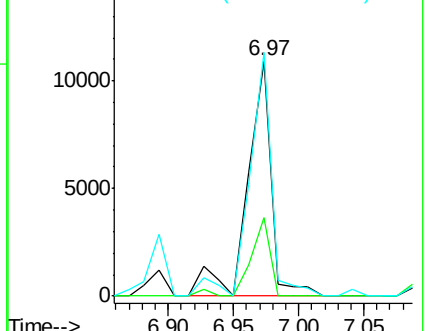
77 103.6 49.6 74.4#

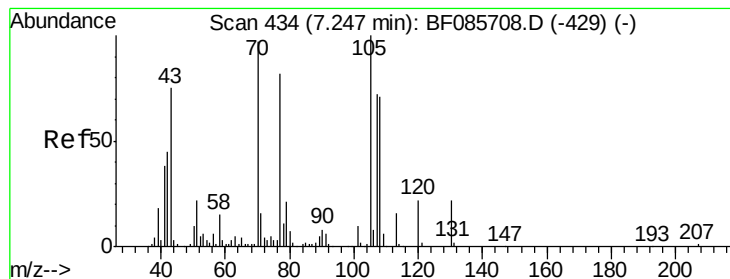


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.73 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

Tgt Ion: 70 Resp: 94833

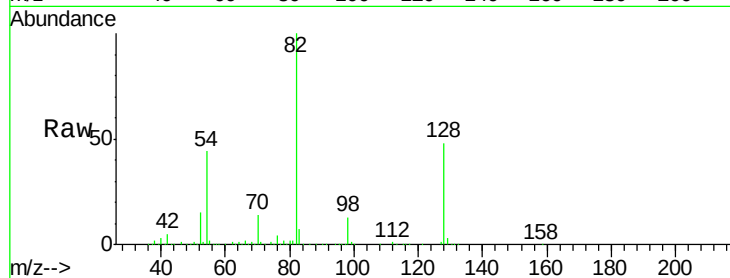
Ion Ratio Lower Upper

70 100

42 38.9 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

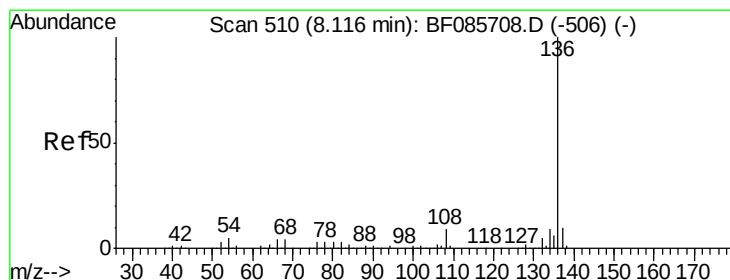
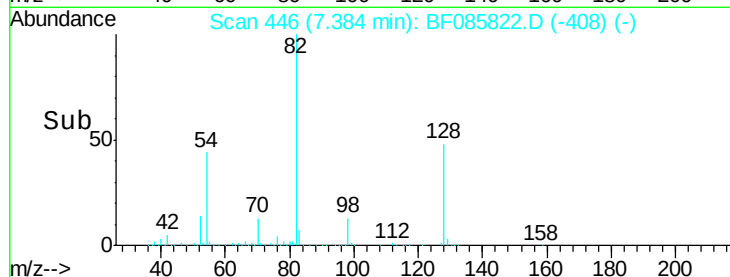
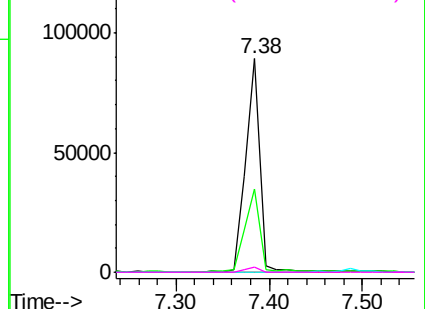


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Tgt Ion: 136 Resp: 438024

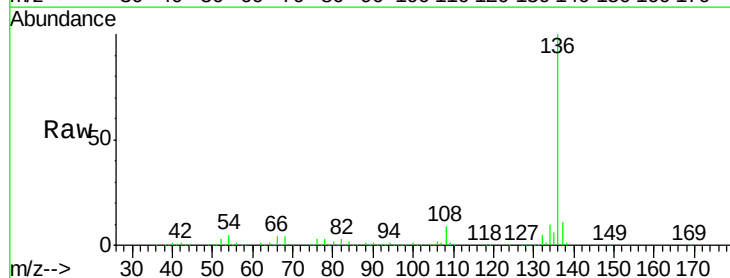
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.2 7.4 11.0#

68 4.4 5.8 8.8#

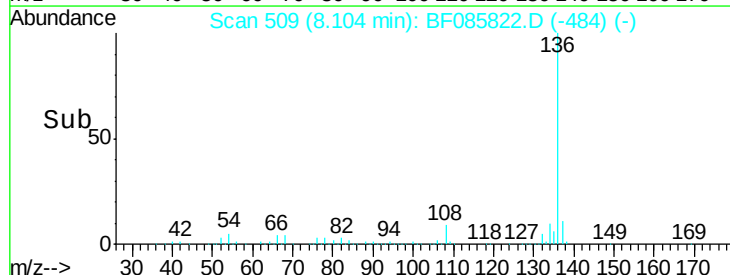
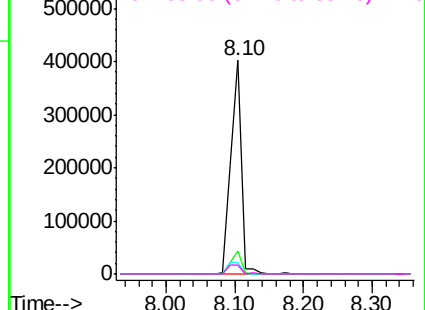


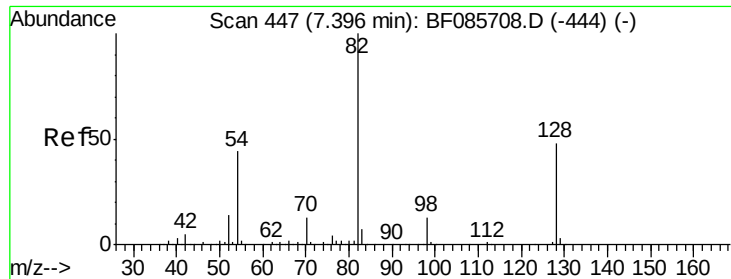
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

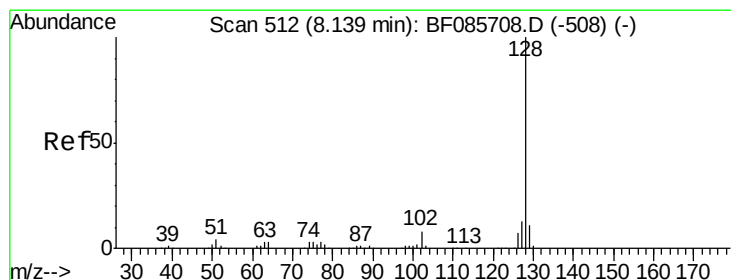
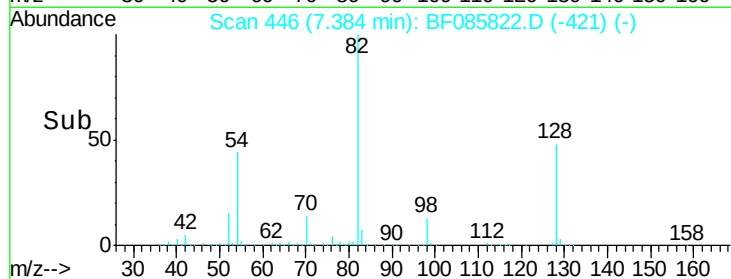
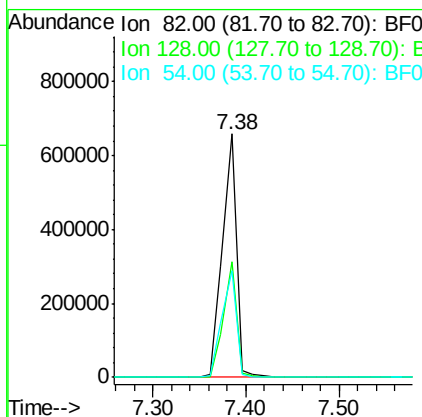
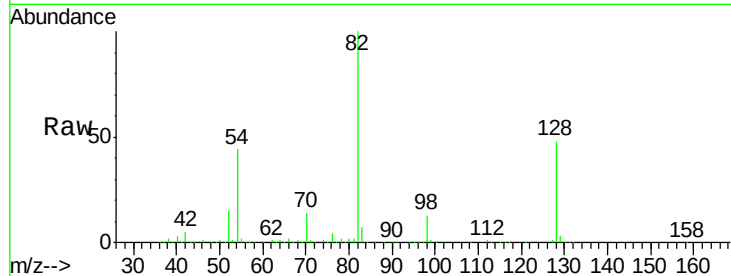




#23
 Nitrobenzene-d5
 Concen: 88.44 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

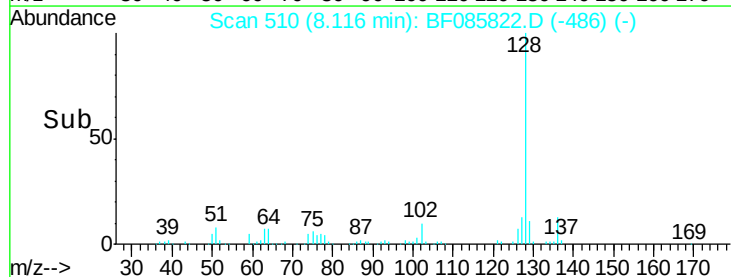
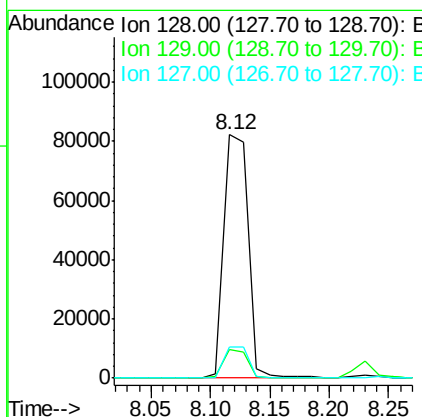
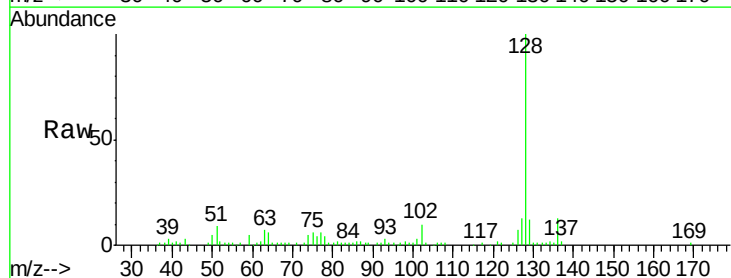
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

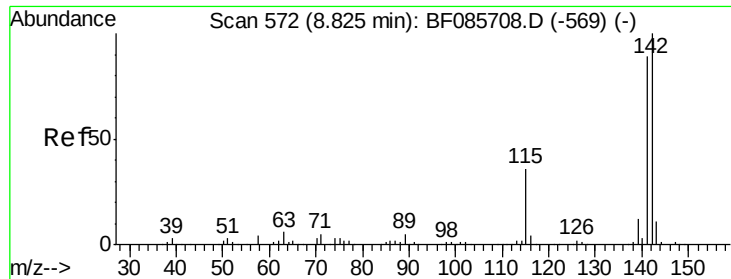
Tgt Ion: 82 Resp: 687940
 Ion Ratio Lower Upper
 82 100
 128 47.6 41.8 62.8
 54 44.0 33.4 50.0



#31
 Naphthalene
 Concen: 5.27 ng
 RT: 8.12 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Tgt Ion: 128 Resp: 116274
 Ion Ratio Lower Upper
 128 100
 129 11.6 9.4 14.0
 127 12.8 11.0 16.6

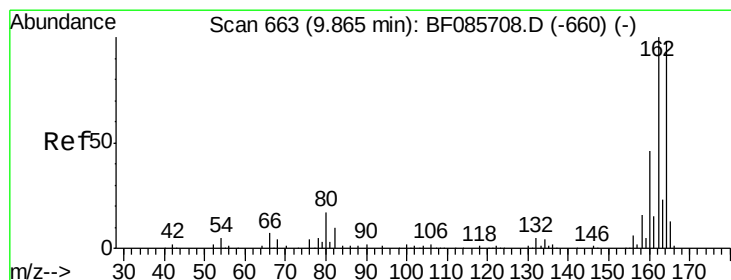
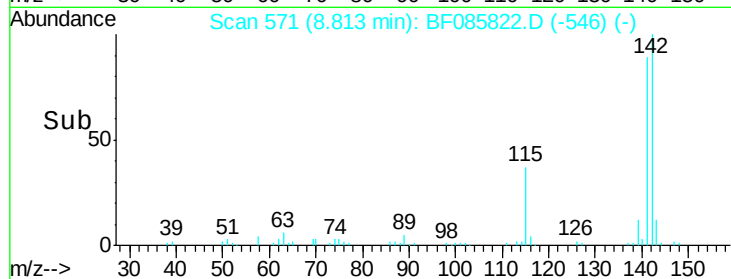
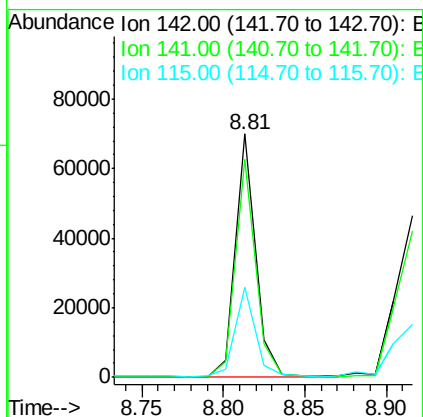
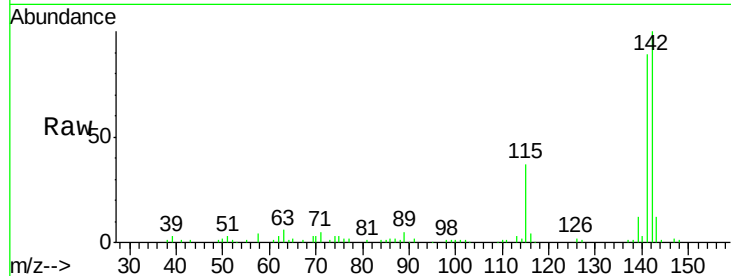




#37
 2-Methylnaphthalene
 Concen: 2.86 ng
 RT: 8.81 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

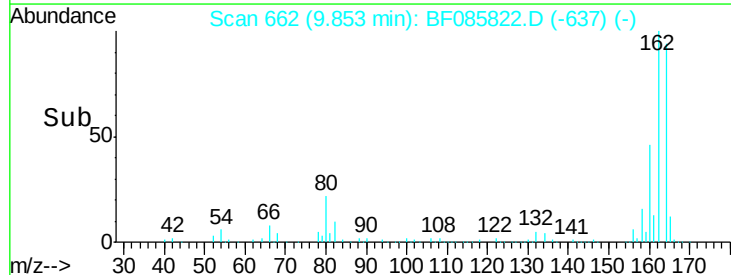
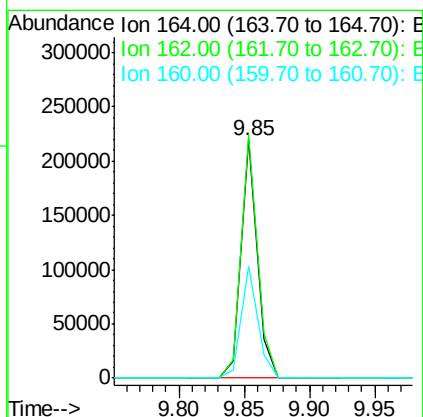
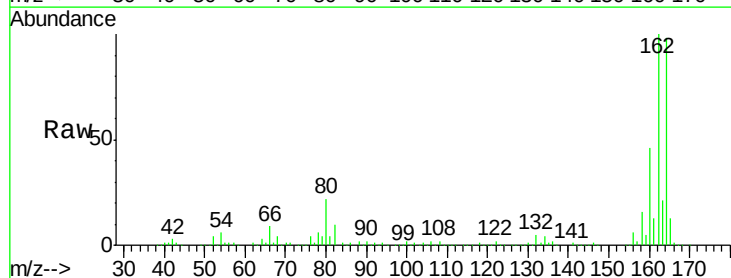
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

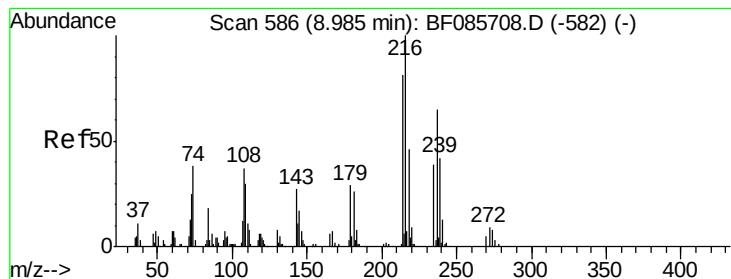
Tgt Ion:142 Resp: 60423
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.6 107.4
 115 37.0 26.8 40.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Tgt Ion:164 Resp: 187643
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.1 123.1
 160 46.8 37.4 56.2





#40

Hexachlorocyclopentadiene

Concen: 9.28 ng

RT: 8.92 min Scan# 580

Delta R.T. -0.07 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

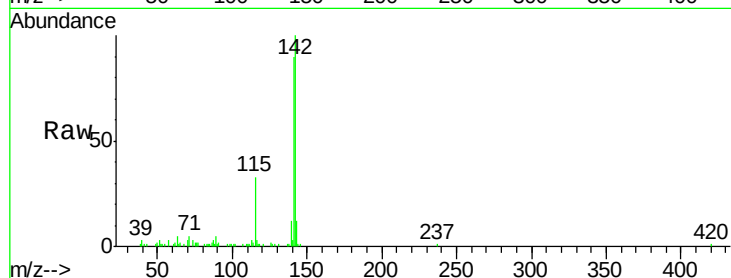
Tgt Ion:237 Resp: 232

Ion Ratio Lower Upper

237 100

235 0.0 43.7 83.7#

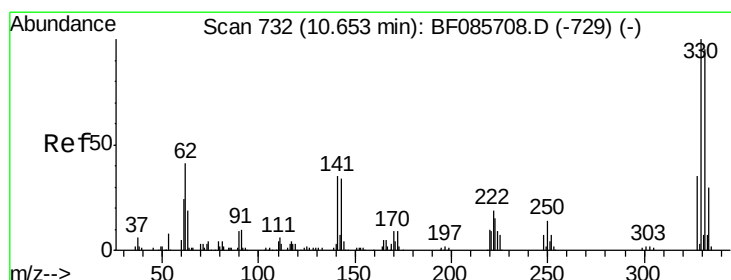
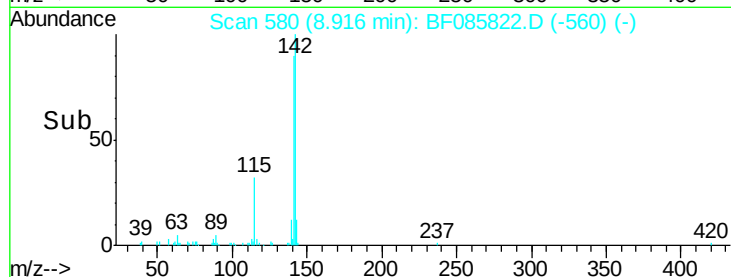
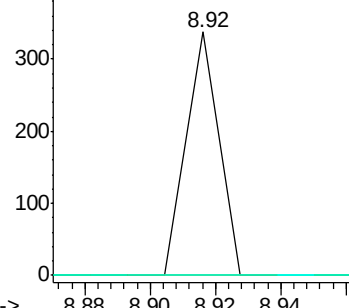
272 0.0 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 124.99 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

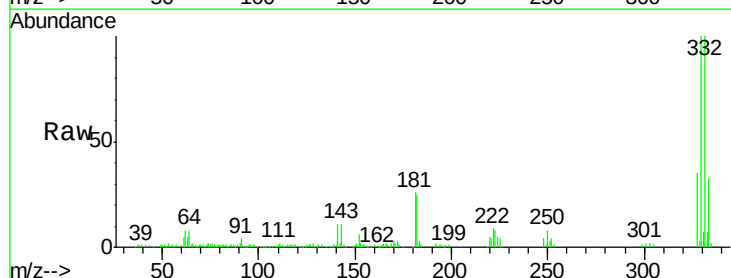
Tgt Ion:330 Resp: 222839

Ion Ratio Lower Upper

330 100

332 98.2 78.2 117.2

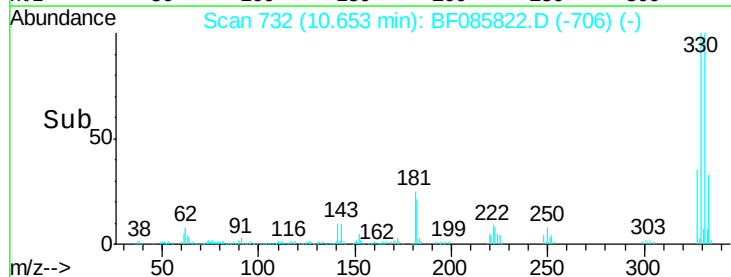
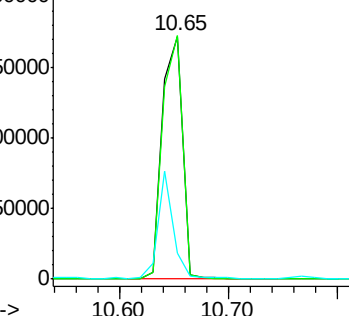
141 33.5 31.5 47.3

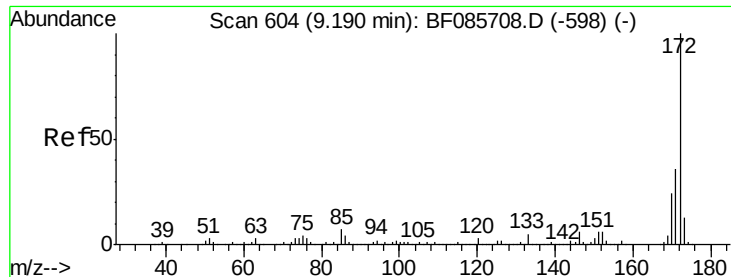


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

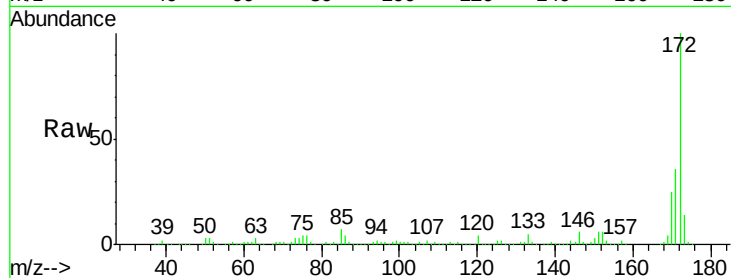




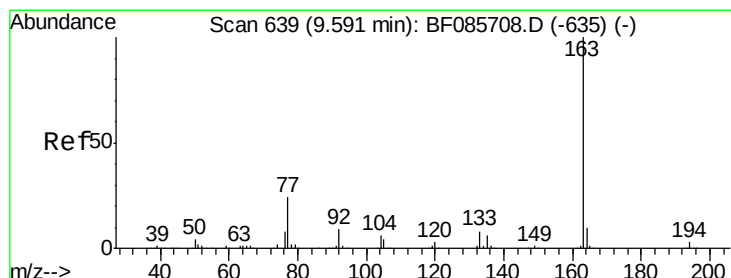
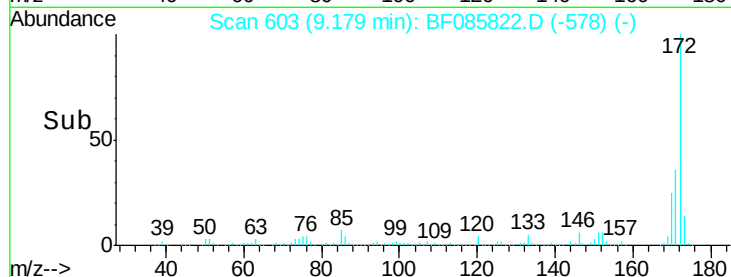
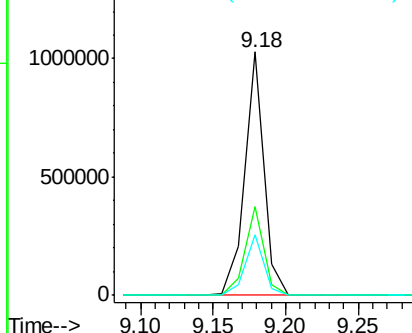
#44
 2-Fluorobiphenyl
 Concen: 84.11 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	24.8	19.8	29.6

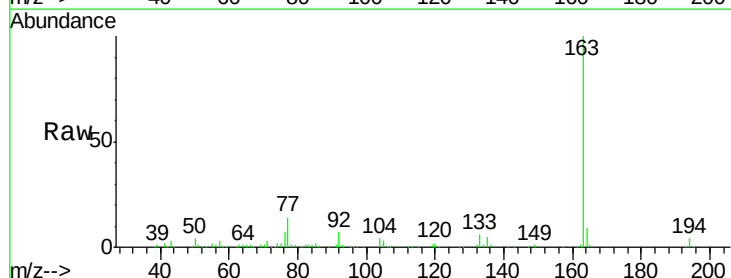


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

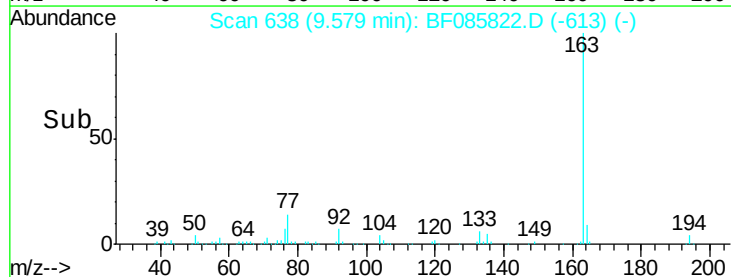
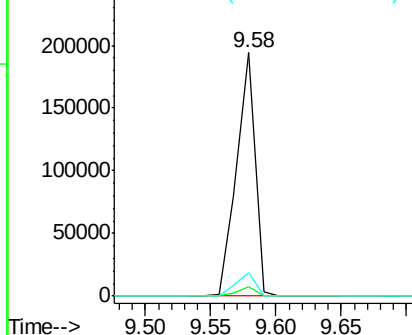


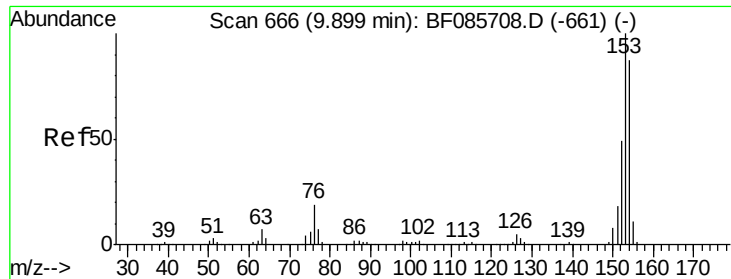
#49
 Dimethylphthalate
 Concen: 13.49 ng
 RT: 9.58 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	9.4	8.3	12.5



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





#51

Acenaphthene

Concen: 17.61 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

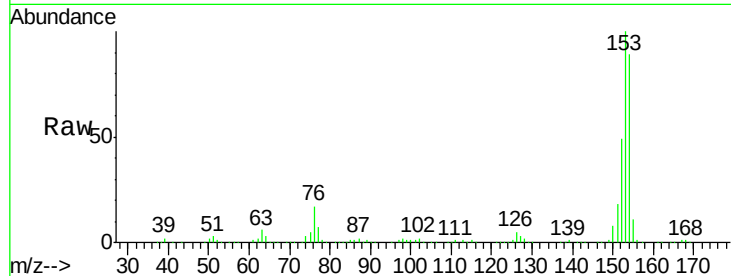
Tgt Ion:154 Resp: 204121

Ion Ratio Lower Upper

154 100

153 112.1 90.1 135.1

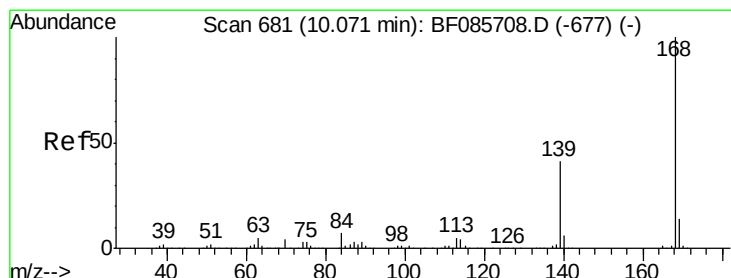
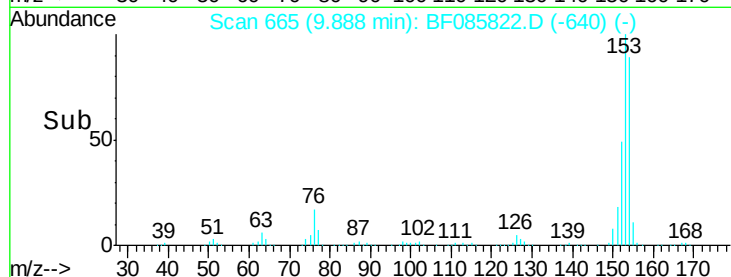
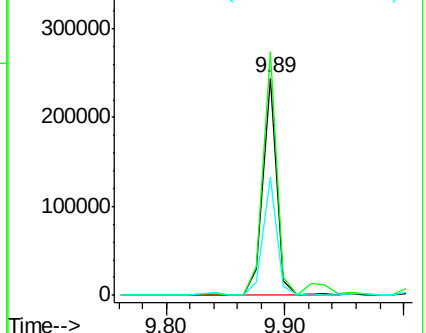
152 54.5 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 11.37 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

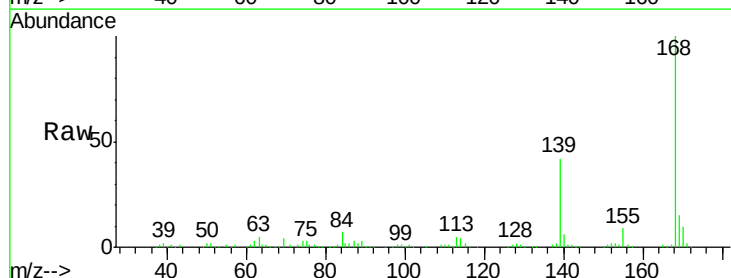
Tgt Ion:168 Resp: 170569

Ion Ratio Lower Upper

168 100

139 42.0 31.9 47.9

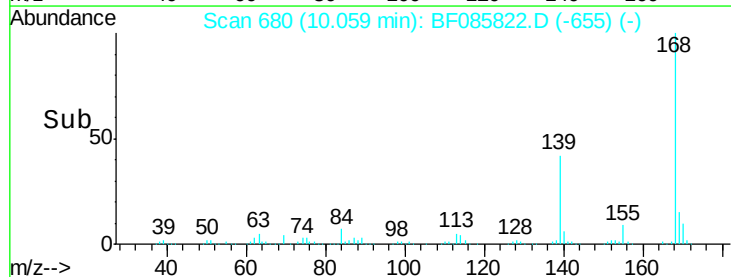
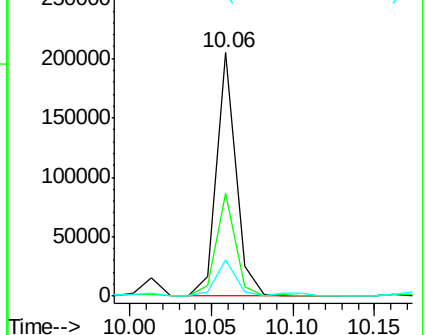
169 14.9 11.0 16.6

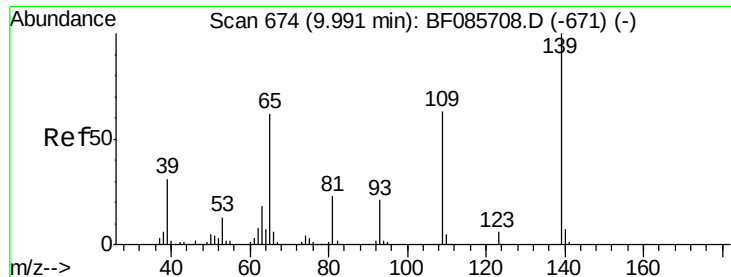


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

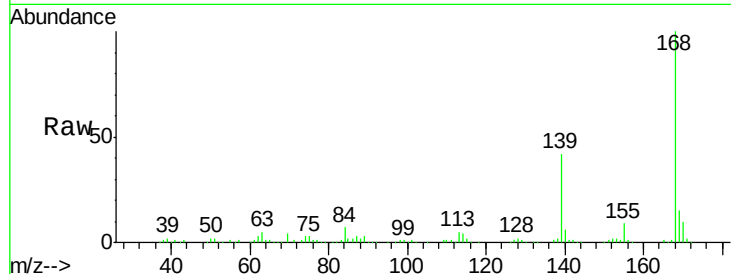




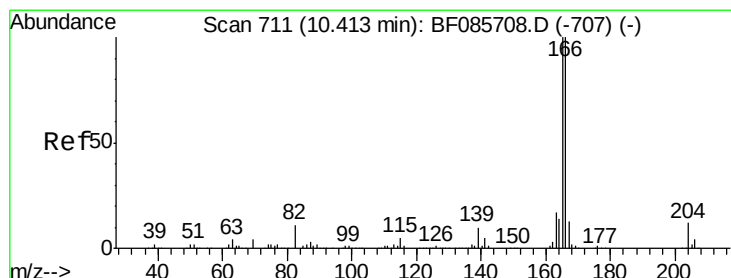
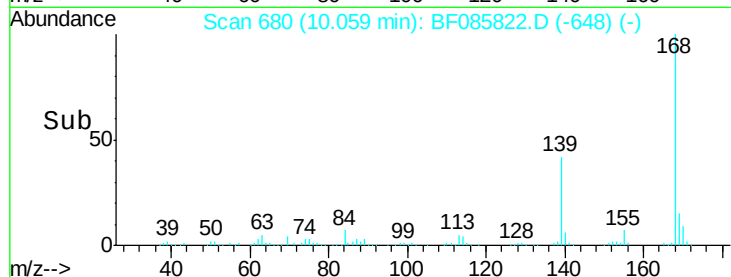
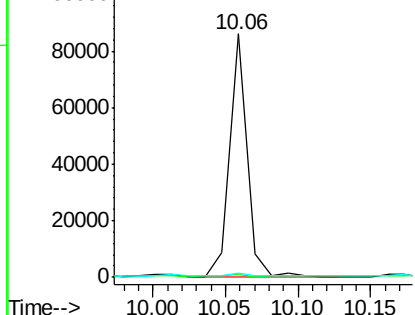
#55
4-Nitrophenol
Concen: 31.75 ng
RT: 10.06 min Scan# 680
Delta R.T. 0.07 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt Ion:139 Resp: 72544
Ion Ratio Lower Upper
139 100
109 1.4 49.2 89.2#
65 1.8 66.9 106.9#

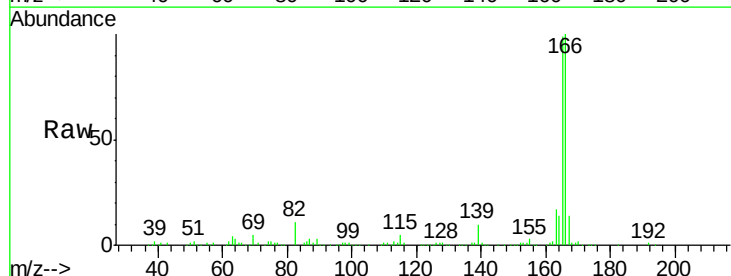


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

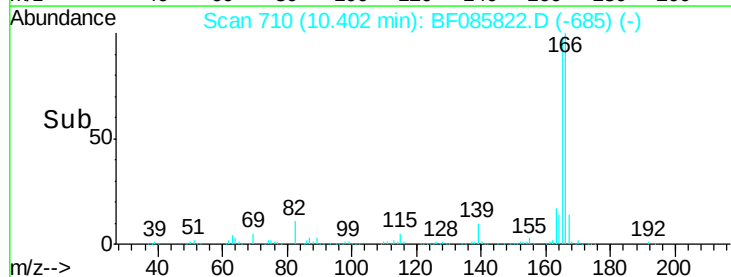
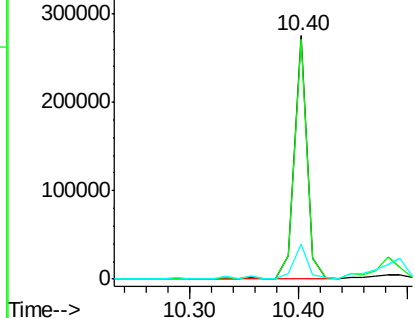


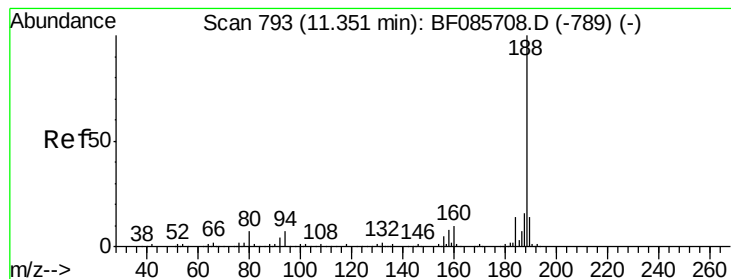
#57
Fluorene
Concen: 18.20 ng
RT: 10.40 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion:166 Resp: 226914
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.0
167 14.2 11.0 16.4



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: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

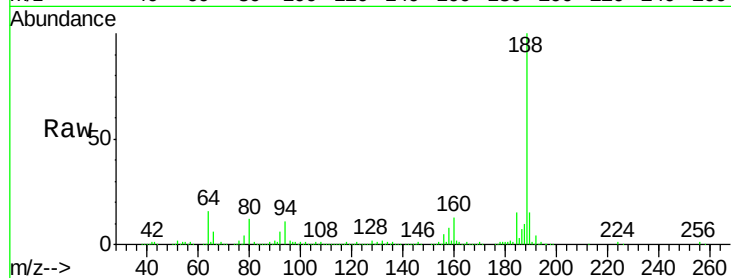
Tgt Ion:188 Resp: 321235

Ion Ratio Lower Upper

188 100

94 10.8 5.4 8.0#

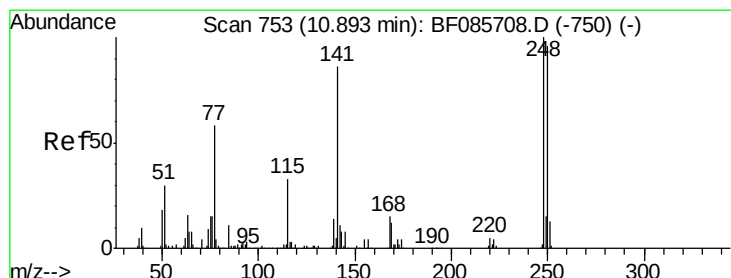
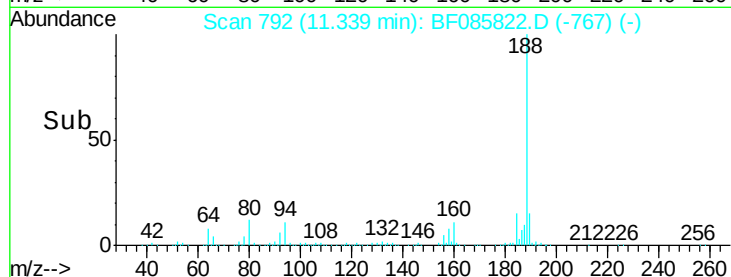
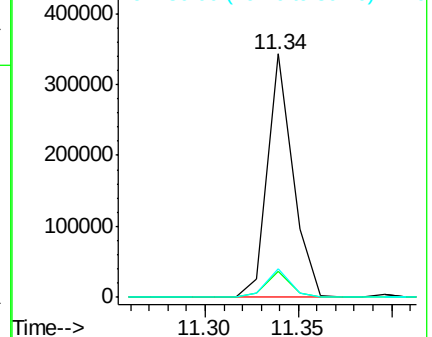
80 11.5 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.17 ng

RT: 10.64 min Scan# 731

Delta R.T. -0.25 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

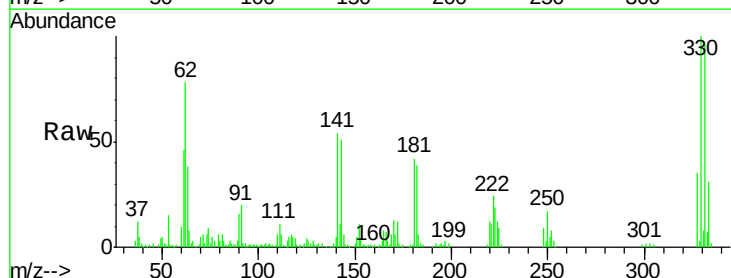
Tgt Ion:248 Resp: 13712

Ion Ratio Lower Upper

248 100

250 193.2 77.4 116.0#

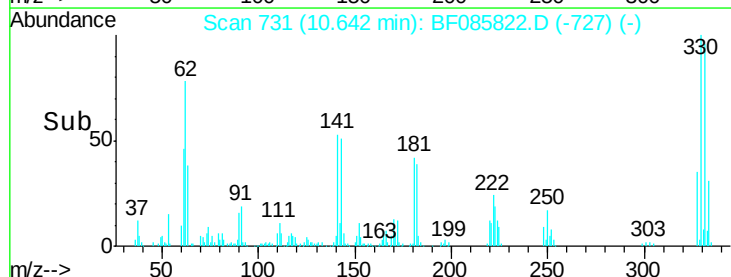
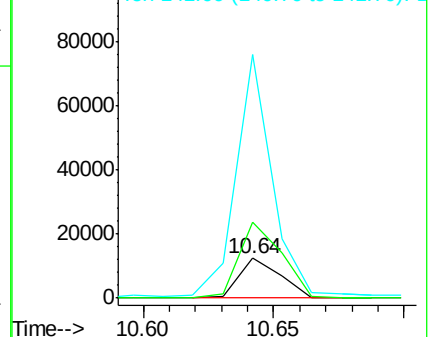
141 616.8 63.6 95.4#

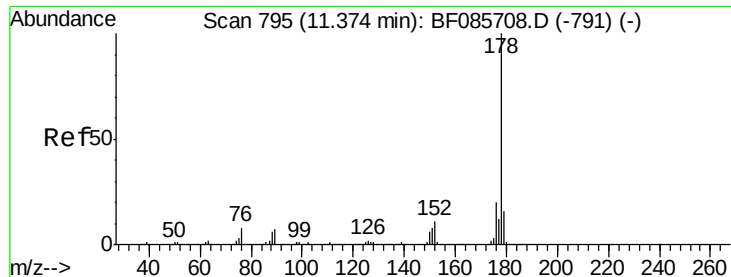


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 86.87 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

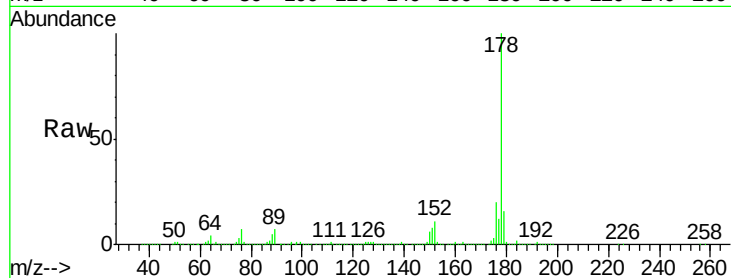
Tgt Ion:178 Resp: 1432849

Ion Ratio Lower Upper

178 100

176 20.4 16.3 24.5

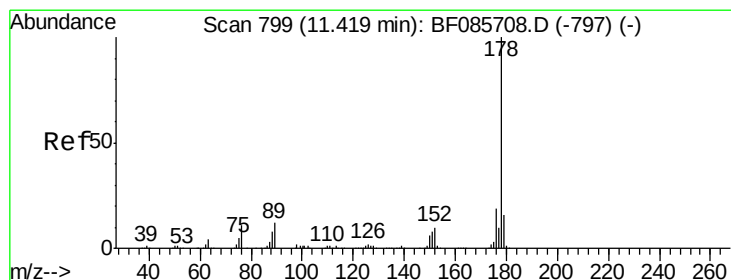
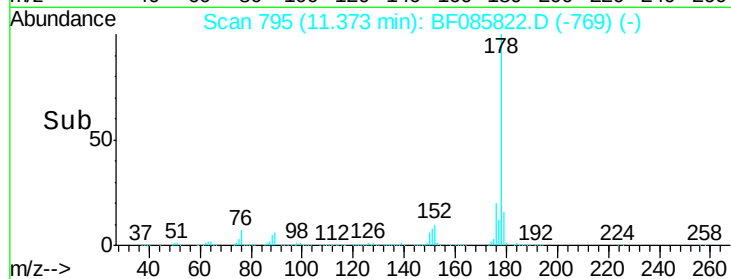
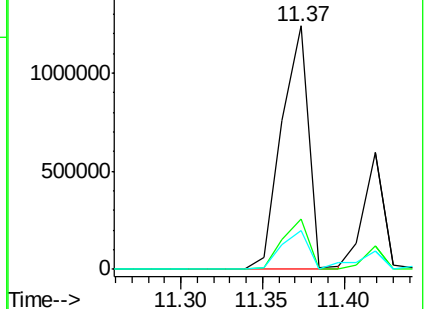
179 15.9 12.6 18.8



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: 31.21 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

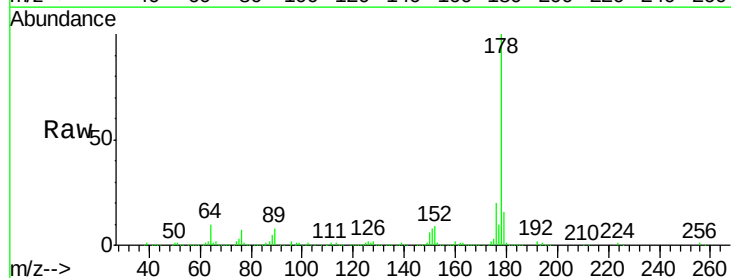
Tgt Ion:178 Resp: 540445

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

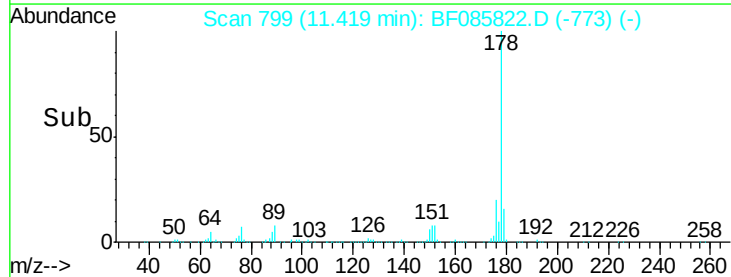
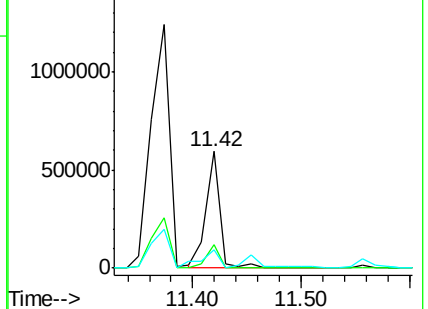
179 15.8 13.0 19.4

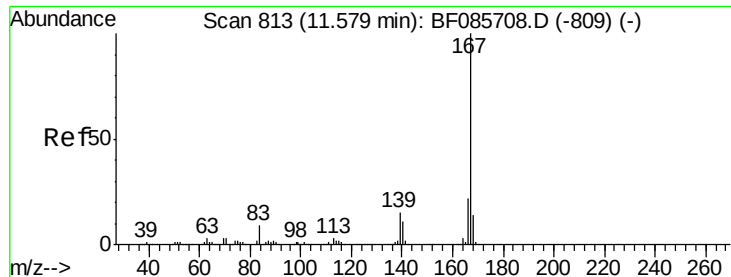


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 10.88 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

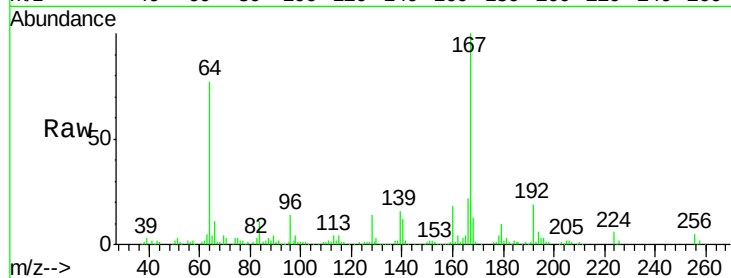
Tgt Ion:167 Resp: 158173

Ion Ratio Lower Upper

167 100

166 22.5 17.8 26.8

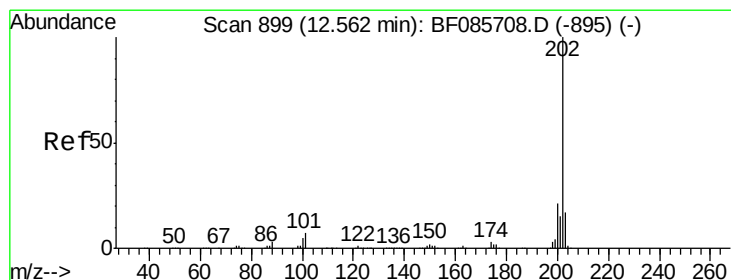
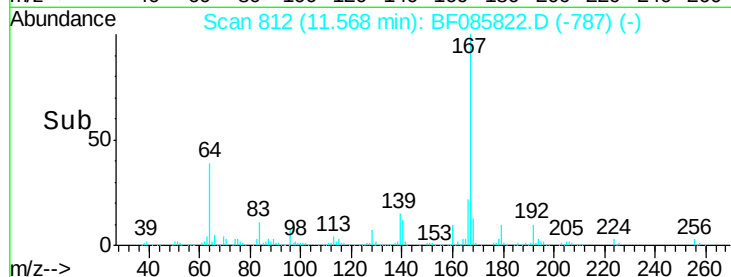
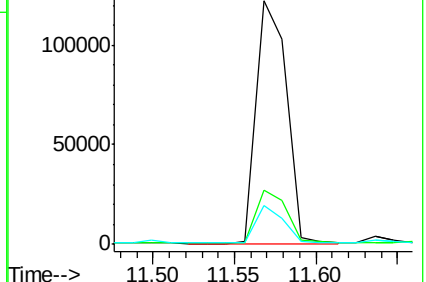
139 15.8 11.6 17.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 54.21 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

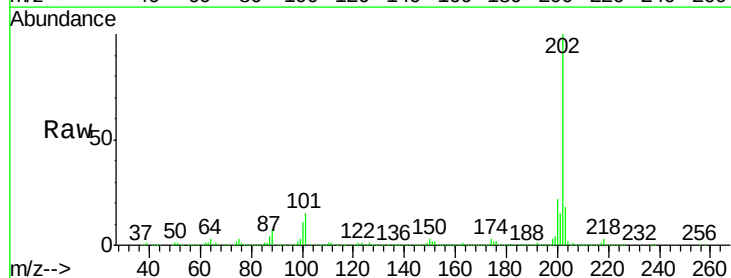
Tgt Ion:202 Resp: 950460

Ion Ratio Lower Upper

202 100

101 14.6 0.0 36.6

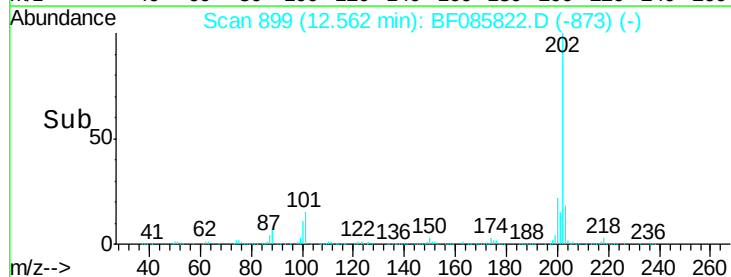
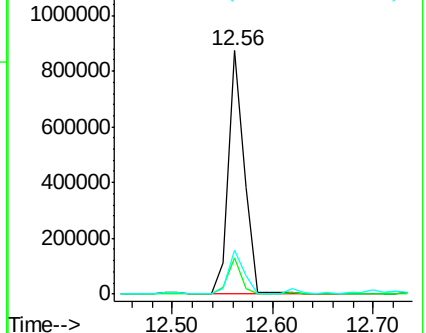
203 18.2 0.0 38.1

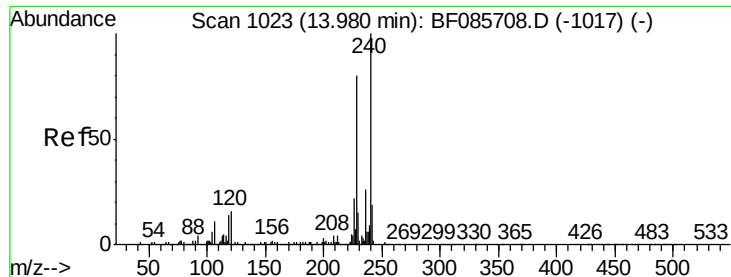


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

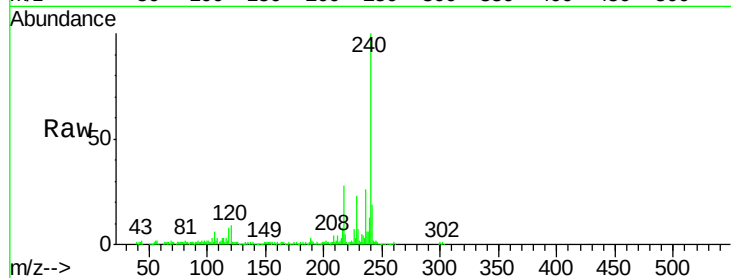
Tgt Ion:240 Resp: 189775

Ion Ratio Lower Upper

240 100

120 9.2 13.8 20.8#

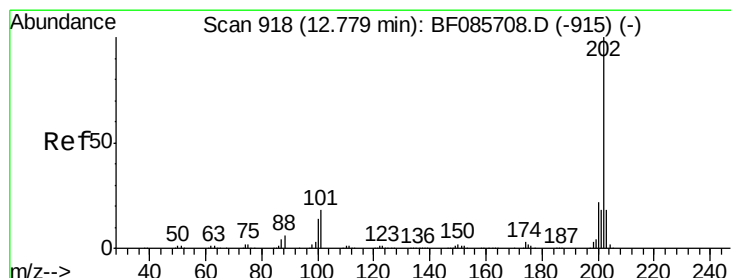
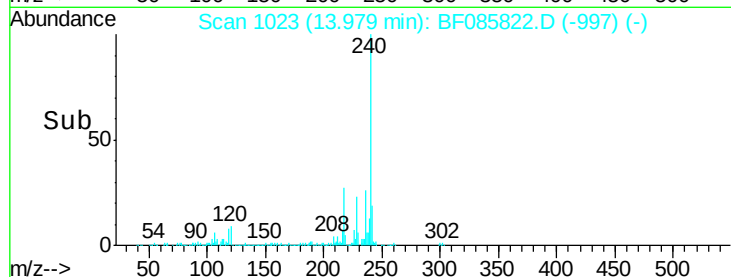
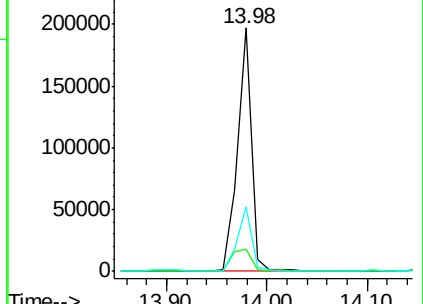
236 26.4 20.6 30.8



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: 53.93 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

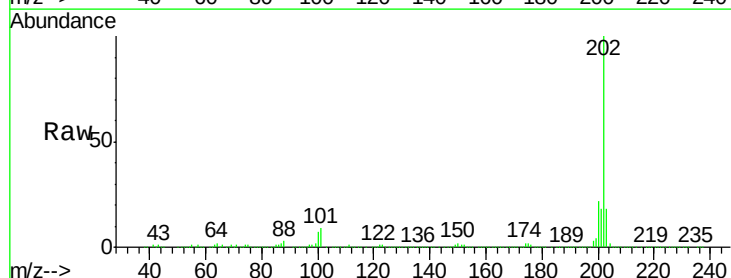
Tgt Ion:202 Resp: 841334

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

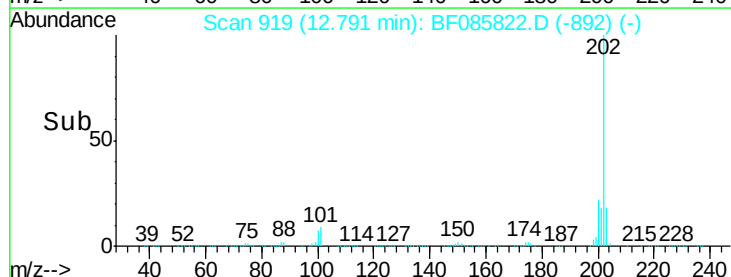
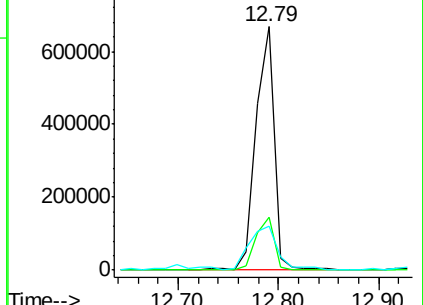
203 18.1 14.0 21.0

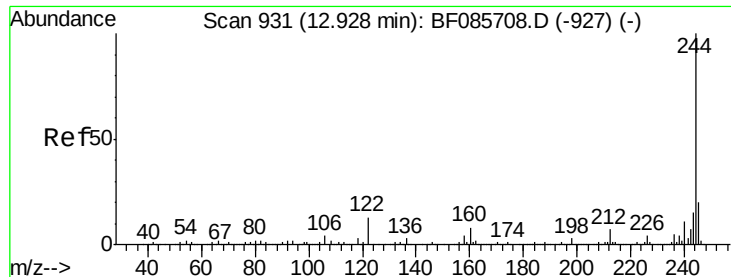


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

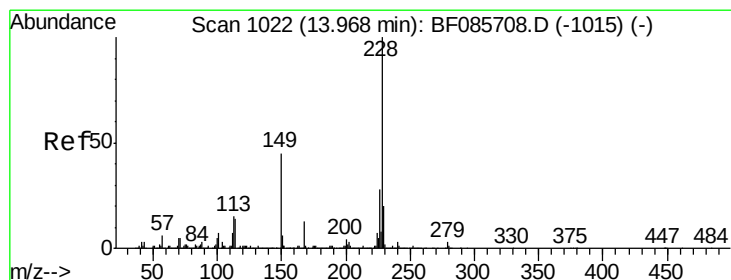
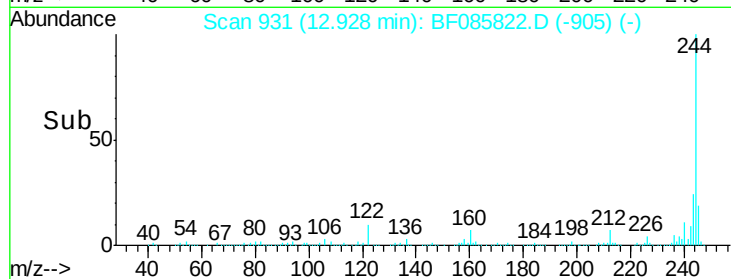
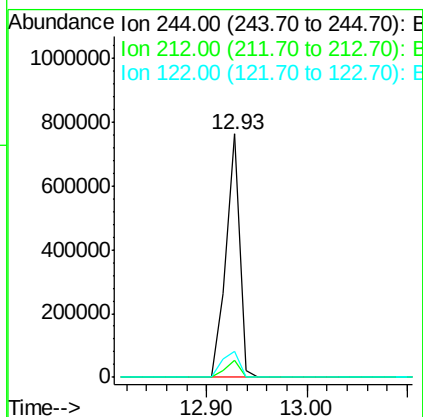
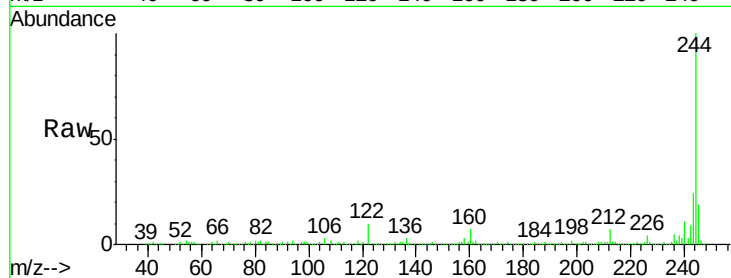




#78
 Terphenyl-d14
 Concen: 78.26 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

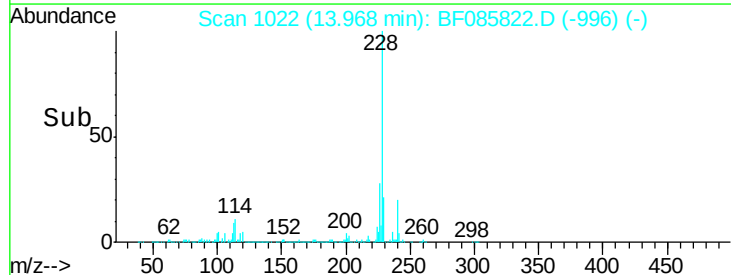
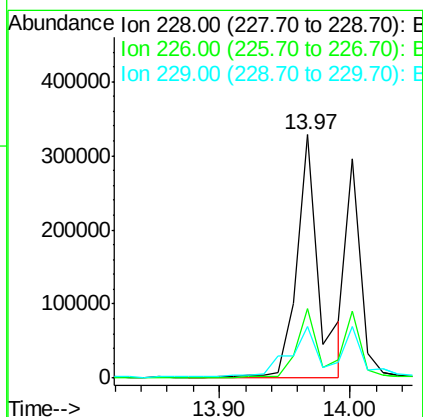
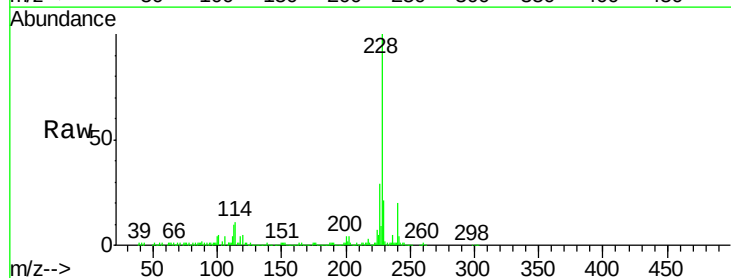
Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

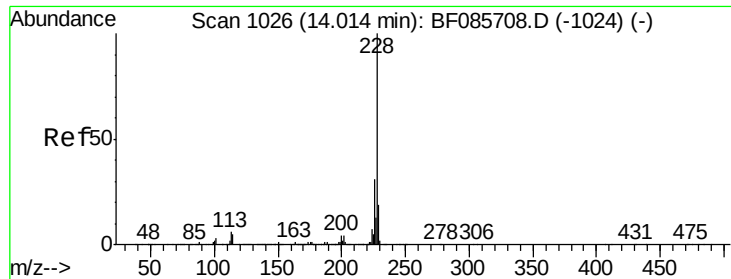
Tgt Ion:244 Resp: 722167
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 10.5 10.2 15.4



#80
 Benzo(a)anthracene
 Concen: 35.44 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Tgt Ion:228 Resp: 383549
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 21.2 16.2 24.4





#82

Chrysene

Concen: 35.20 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

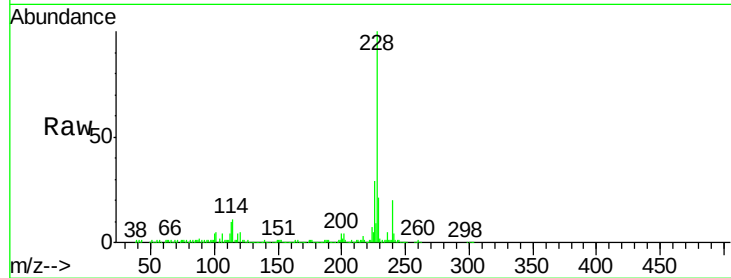
Tgt Ion:228 Resp: 383641

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

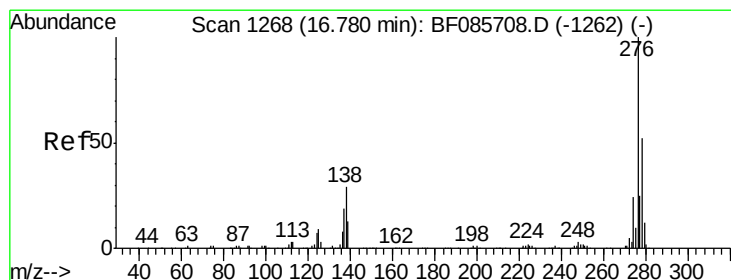
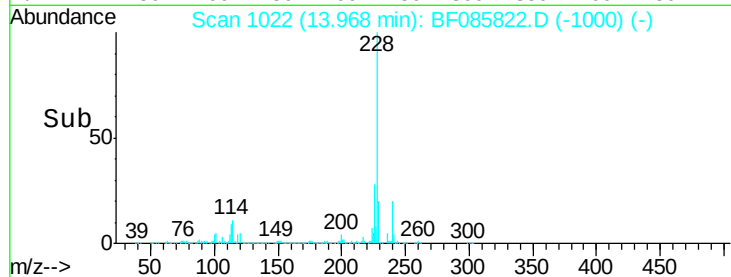
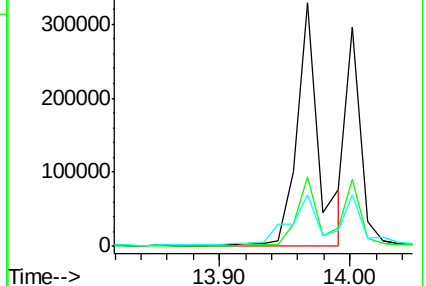
229 21.2 15.7 23.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.99 ng

RT: 16.77 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

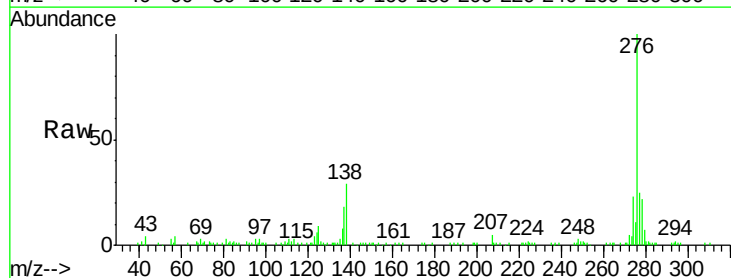
Tgt Ion:276 Resp: 134602

Ion Ratio Lower Upper

276 100

138 28.3 24.2 36.4

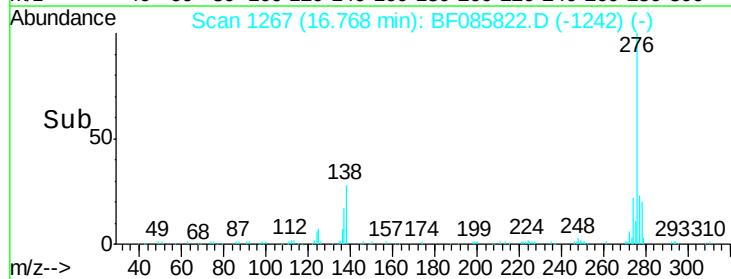
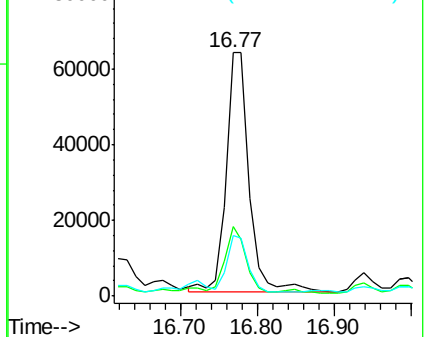
277 21.3 20.0 30.0

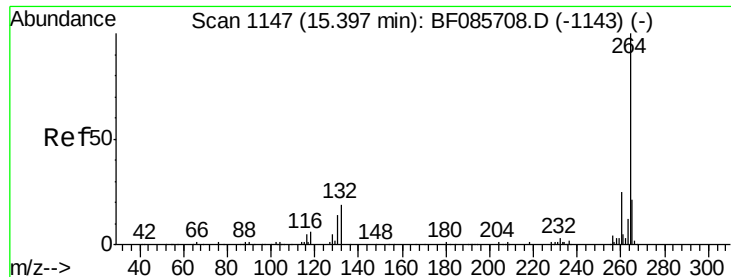


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

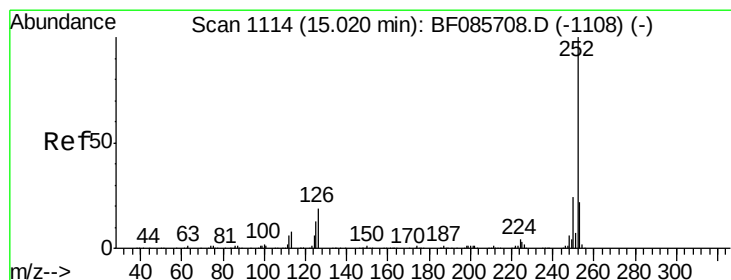
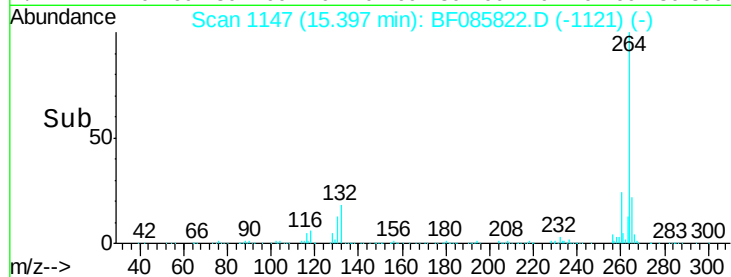
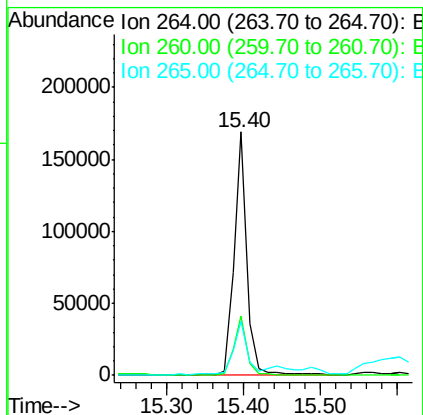
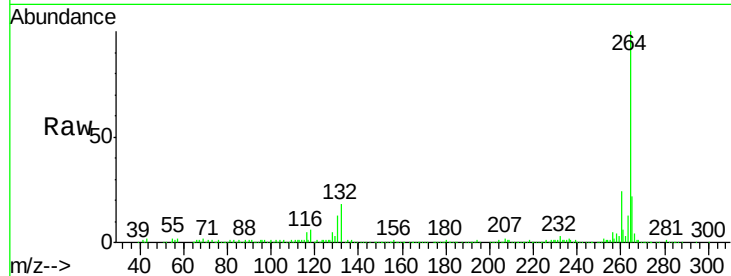




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

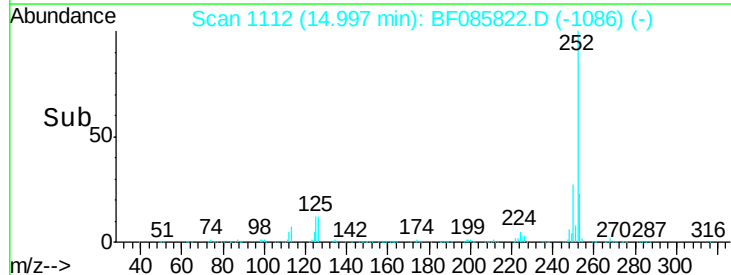
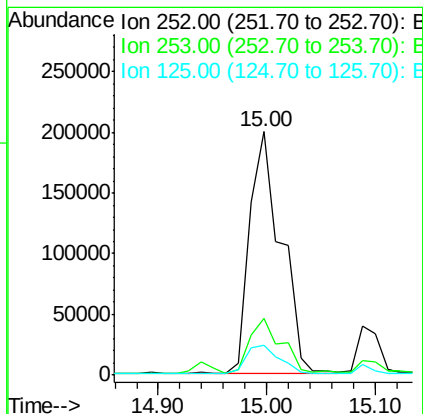
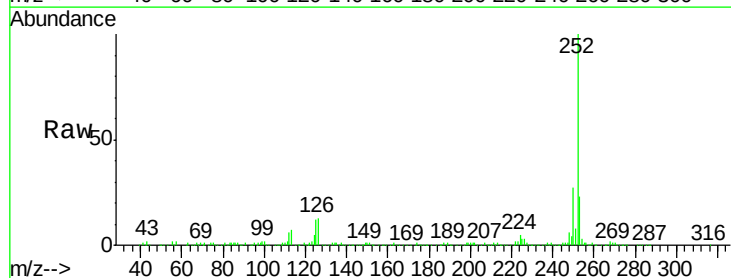
Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

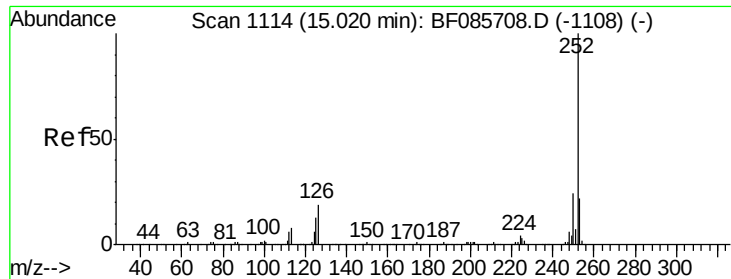
Tgt Ion: 264 Resp: 200122
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 31.82 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion: 252 Resp: 401164
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.4 10.3 15.5

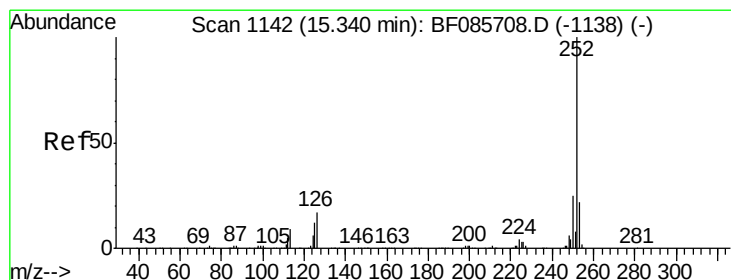
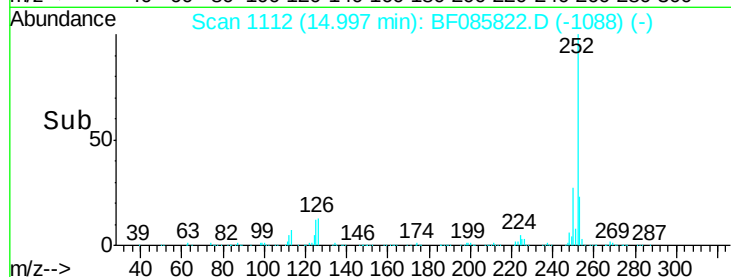
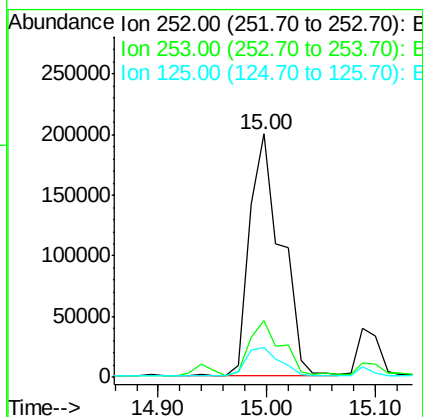
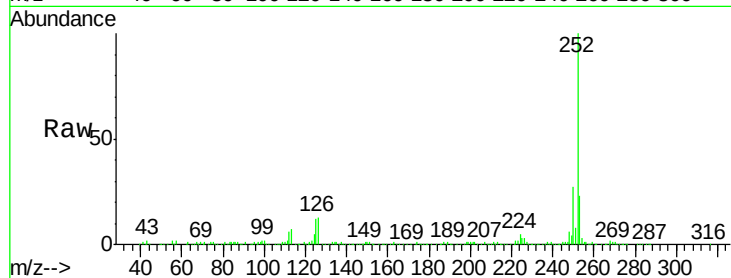




#88
Benzo(k)fluoranthene
Concen: 35.30 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

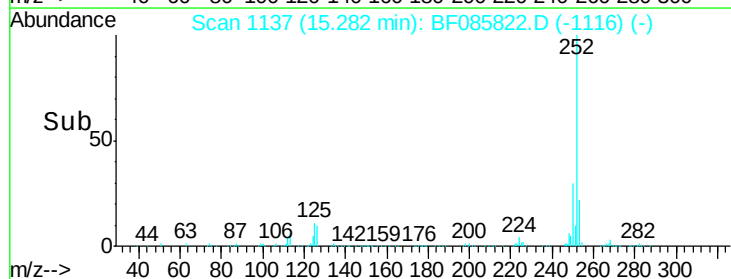
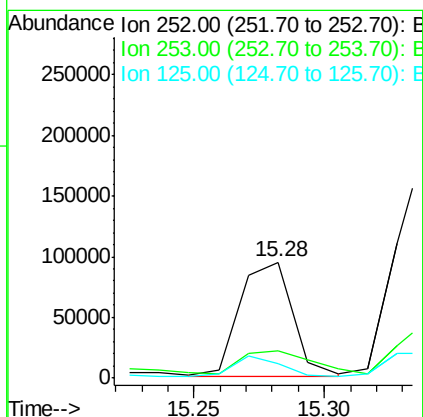
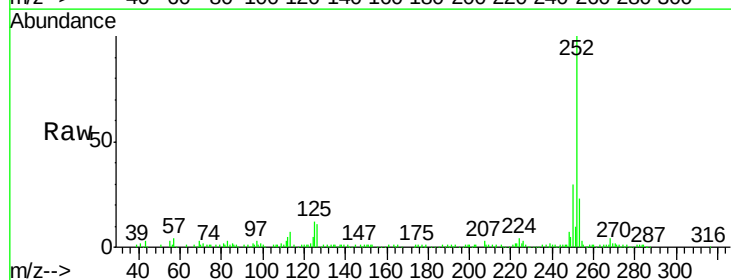
Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

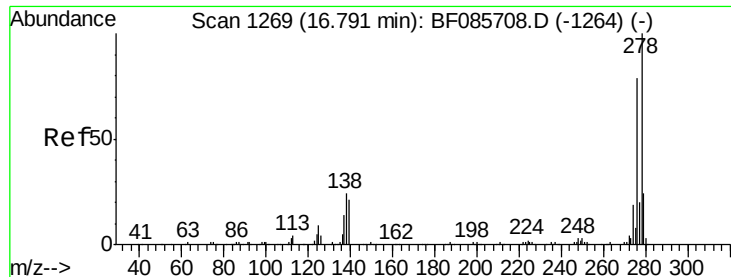
Tgt Ion:252 Resp: 401164
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.4 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 12.04 ng
RT: 15.28 min Scan# 1137
Delta R.T. -0.06 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion:252 Resp: 134743
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.2 10.3 15.5





#90

Dibenzo(a,h)anthracene

Concen: 3.06 ng

RT: 16.78 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

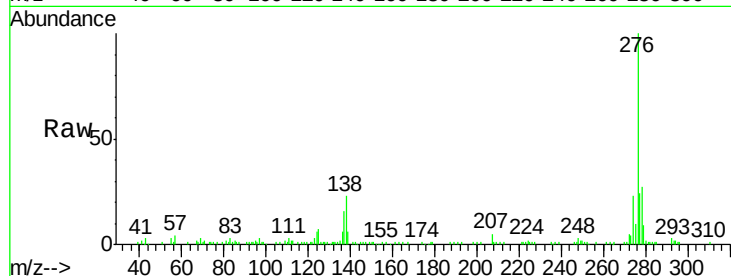
Tgt Ion:278 Resp: 31790

Ion Ratio Lower Upper

278 100

139 23.2 14.4 21.6#

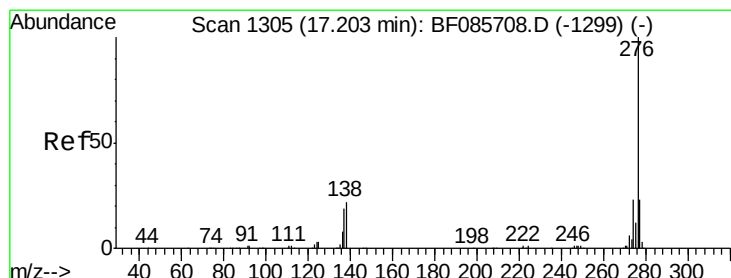
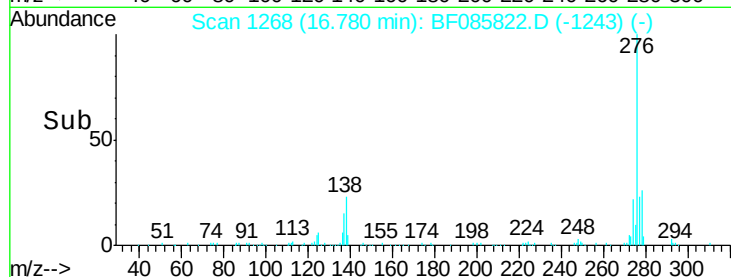
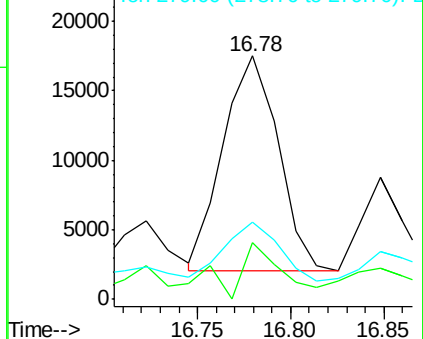
279 31.8 19.1 28.7#



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: 11.27 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

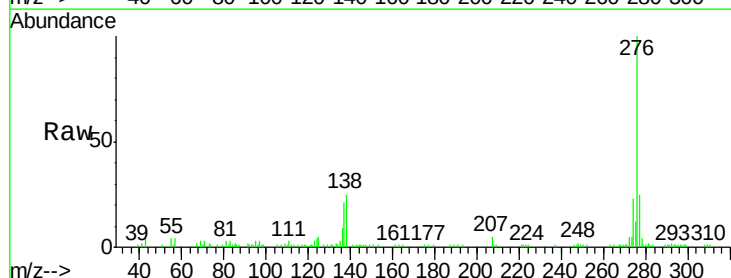
Tgt Ion:276 Resp: 118651

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 25.3 22.6 34.0



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

