

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040216\
 Data File : BF086012.D
 Acq On : 2 Apr 2016 15:28
 Operator : UM/SJ
 Sample : H2055-14
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Quant Time: Apr 04 01:05:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	109032	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	426976	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	190024	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	348571	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	235927	20.00	ng	0.00
86) Perylene-d12	15.33	264	217070	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	560417	87.86	ng	0.00
7) Phenol-d6	6.41	99	692447	85.46	ng	-0.01
23) Nitrobenzene-d5	7.33	82	431480	59.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	155510	87.19	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	650711	56.94	ng	-0.01
78) Terphenyl-d14	12.88	244	532097	53.02	ng	0.00

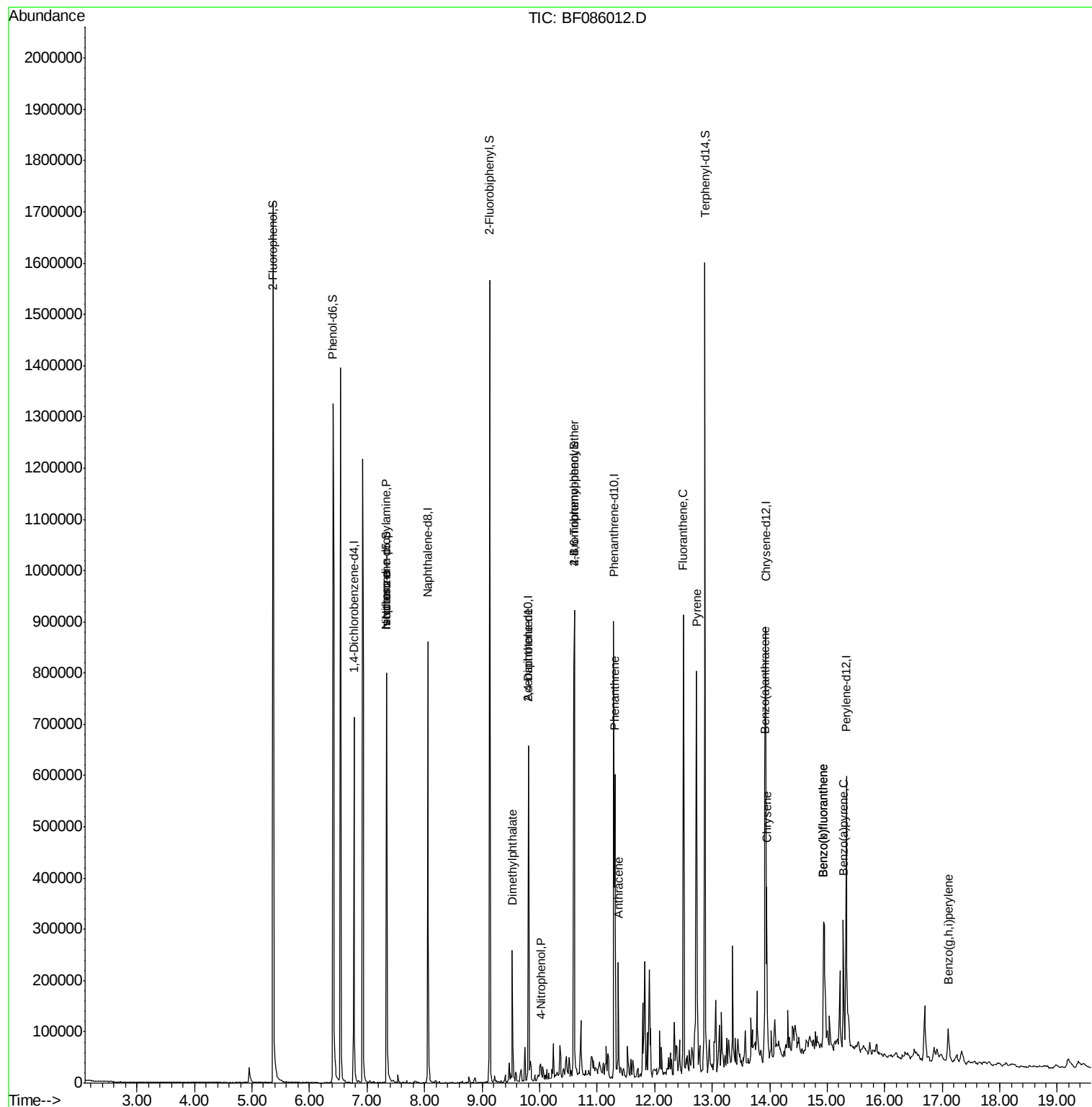
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	55924	11.14	ng	# 81
25) Isophorone	7.33	82	430975	30.15	ng	# 68
49) Dimethylphthalate	9.53	163	100110	7.11	ng	100
55) 4-Nitrophenol	10.02	139	4400	2.08	ng	# 10
56) 2,4-Dinitrotoluene	9.80	165	24478	6.50	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	10223	2.87	ng	# 1
70) Phenanthrene	11.31	178	261206	13.74	ng	99
71) Anthracene	11.37	178	88937	4.46	ng	98
74) Fluoranthene	12.50	202	351211	17.76	ng	97
77) Pyrene	12.73	202	304363	18.31	ng	99
80) Benzo(a)anthracene	13.92	228	164678	11.84	ng	99
82) Chrysene	13.95	228	106334	7.94	ng	98
87) Benzo(b)fluoranthene	14.93	252	196917	14.42	ng	98
88) Benzo(k)fluoranthene	14.93	252	196917	16.28	ng	# 95
89) Benzo(a)pyrene	15.28	252	106480	8.80	ng	97
91) Benzo(g,h,i)perylene	17.11	276	55312	5.87	ng	97

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040216\
Data File : BF086012.D
Acq On : 2 Apr 2016 15:28
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Quant Time: Apr 04 01:05:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration



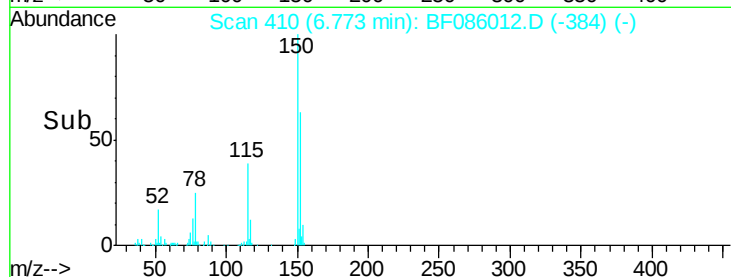
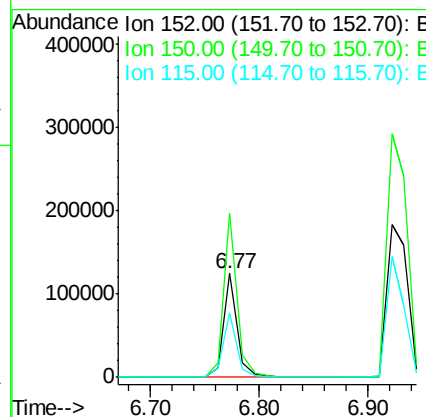
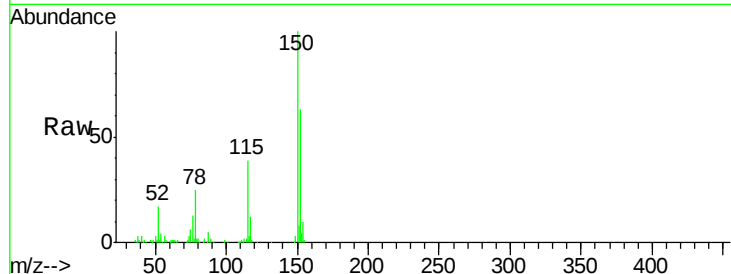


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

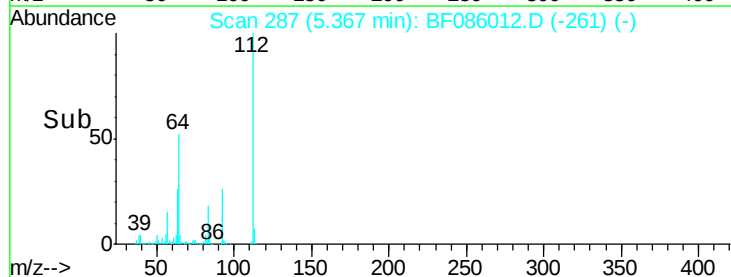
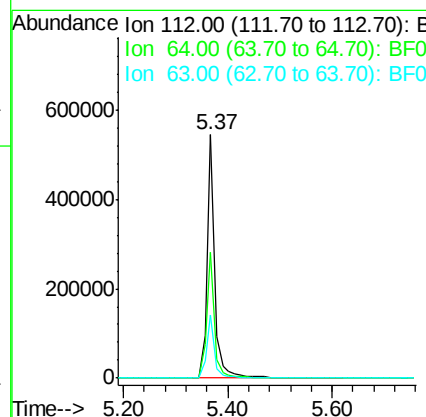
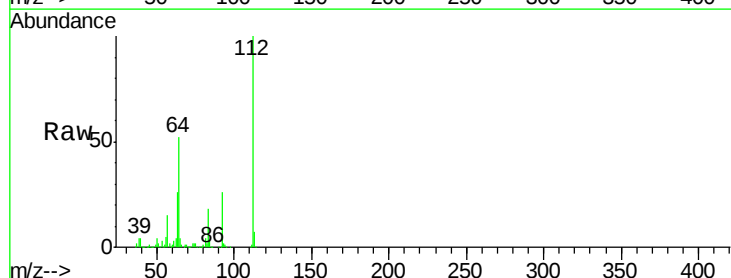
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.2	186.2
115	62.5	47.0	70.6



#5

2-Fluorophenol
Concen: 87.86 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	39.9	59.9
63	25.9	20.2	30.2





#7

Phenol-d6

Concen: 85.46 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

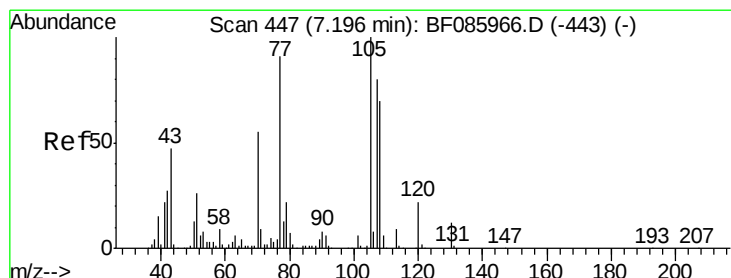
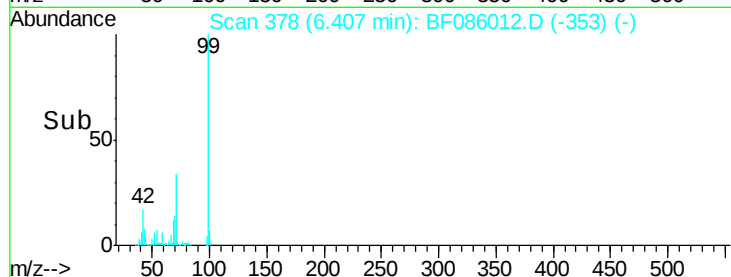
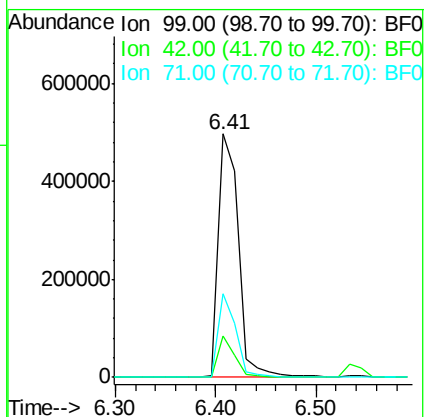
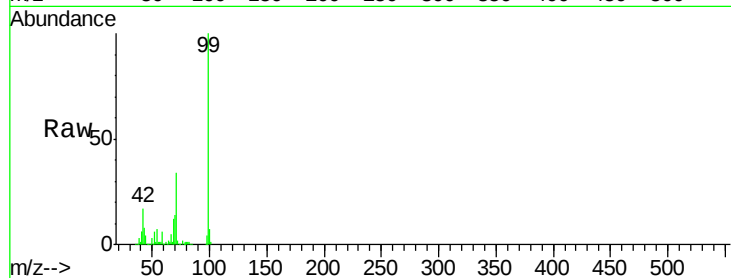
Tgt Ion: 99 Resp: 692447

Ion Ratio Lower Upper

99 100

42 17.1 11.1 16.7#

71 34.3 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.14 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Tgt Ion: 70 Resp: 55924

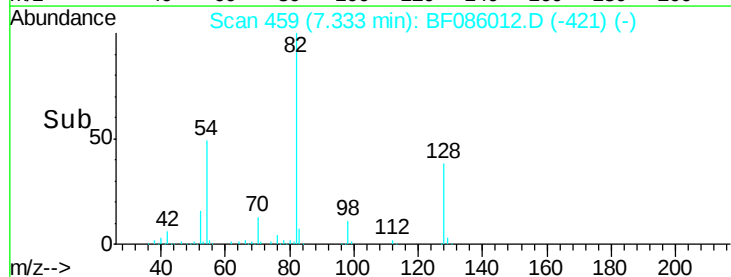
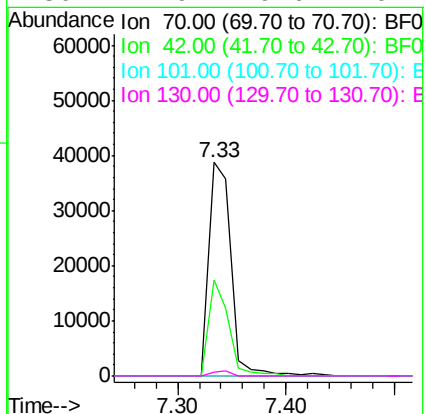
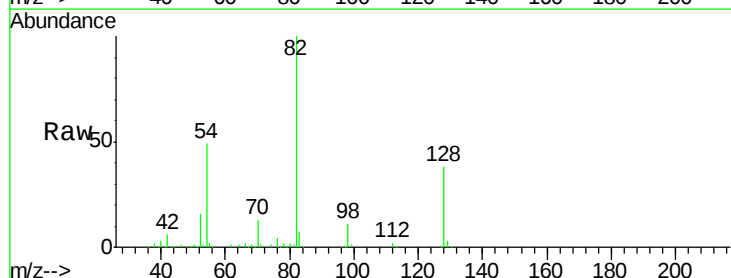
Ion Ratio Lower Upper

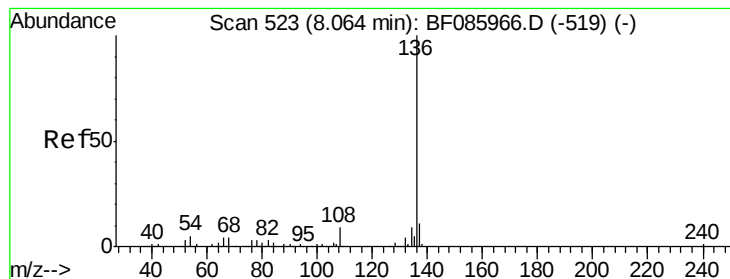
70 100

42 44.8 37.1 55.7

101 0.0 8.6 12.8#

130 1.9 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

Tgt Ion:136 Resp: 426976

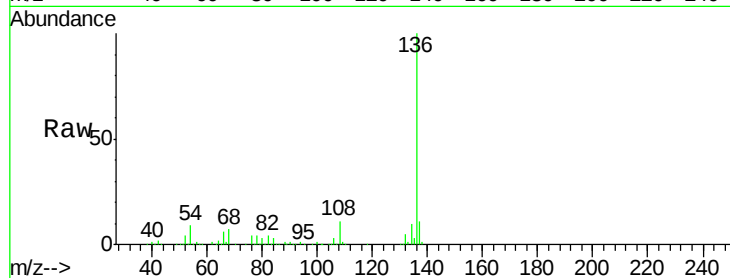
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.5 7.4 11.0

68 6.8 5.8 8.8

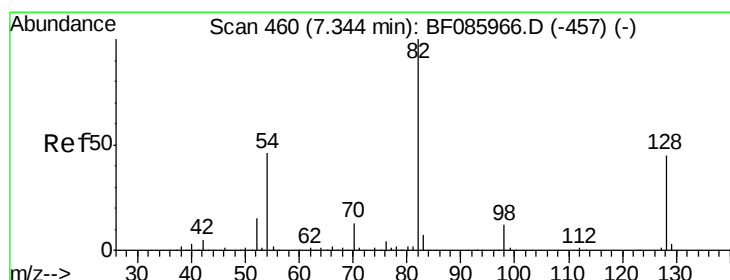
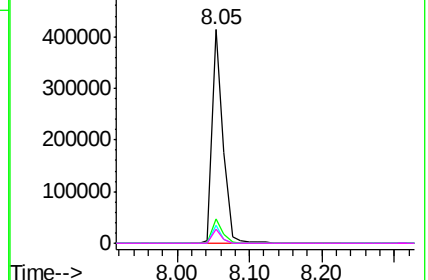
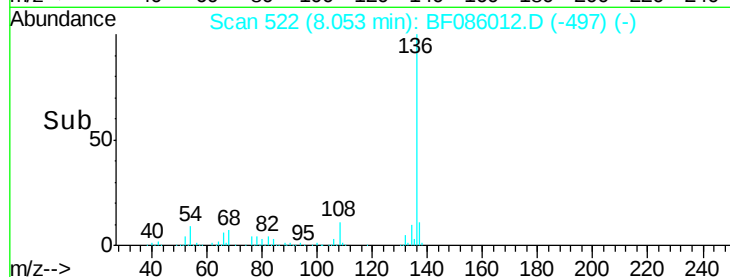


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.59 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

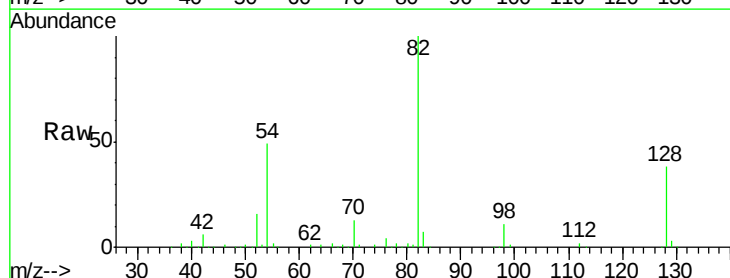
Tgt Ion: 82 Resp: 431480

Ion Ratio Lower Upper

82 100

128 37.6 41.8 62.8#

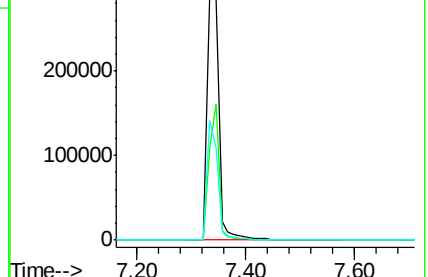
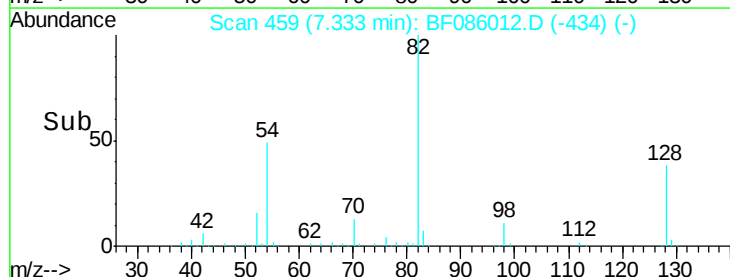
54 49.1 33.4 50.0

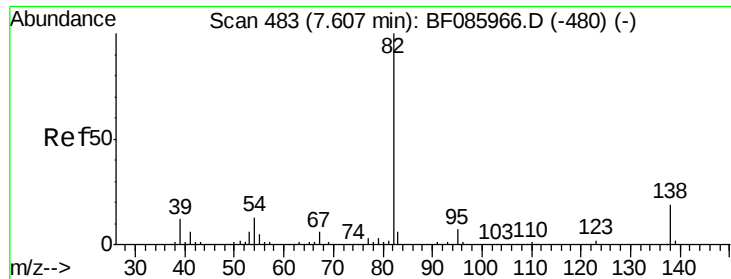


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.15 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

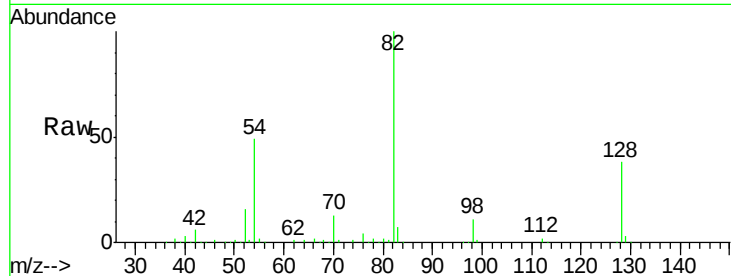
Tgt Ion: 82 Resp: 430975

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

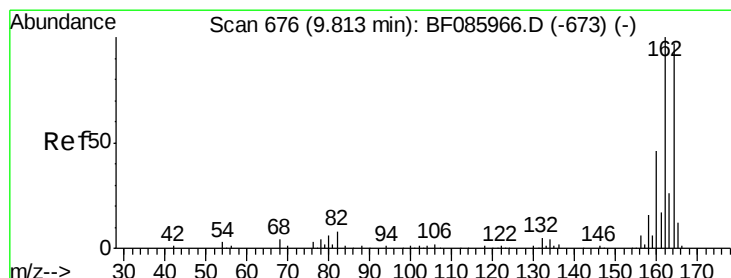
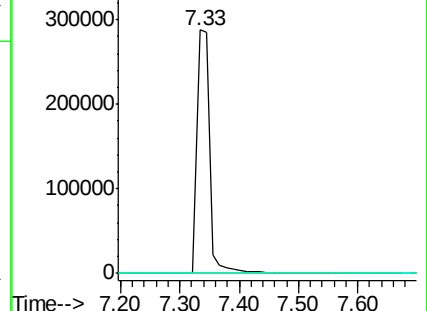
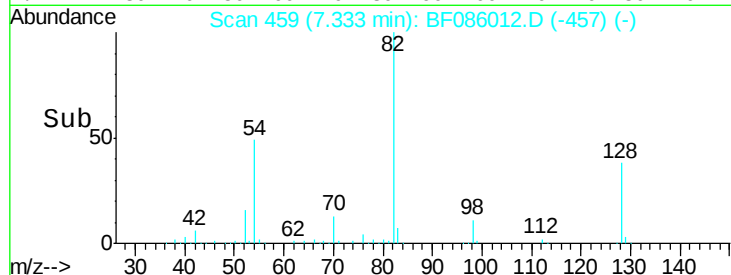
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF086012.D (-457) (-)

Ion 95.00 (94.70 to 95.70): BF086012.D (-457) (-)

Ion 138.00 (137.70 to 138.70): BF086012.D (-457) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

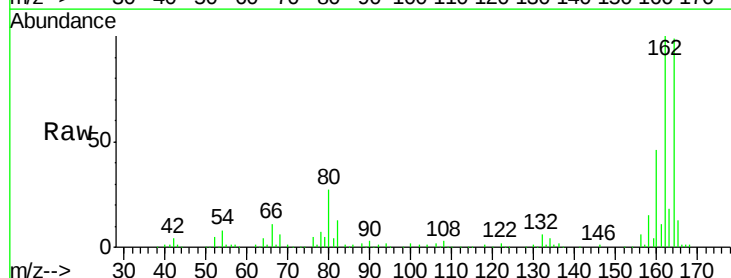
Tgt Ion: 164 Resp: 190024

Ion Ratio Lower Upper

164 100

162 101.3 82.1 123.1

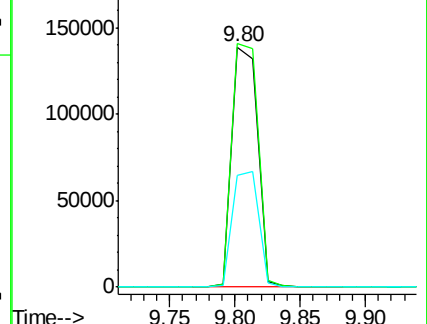
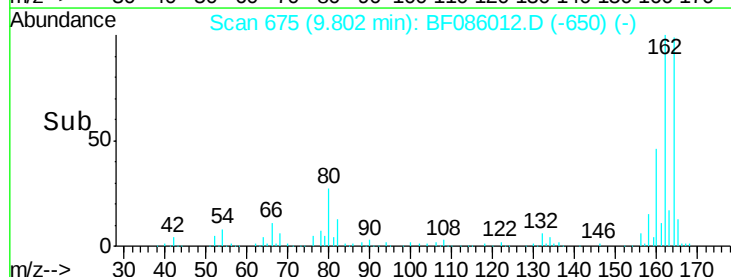
160 46.7 37.4 56.2

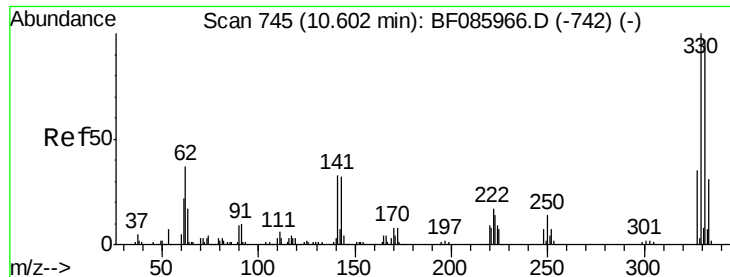


Abundance Ion 164.00 (163.70 to 164.70): BF086012.D (-650) (-)

Ion 162.00 (161.70 to 162.70): BF086012.D (-650) (-)

Ion 160.00 (159.70 to 160.70): BF086012.D (-650) (-)

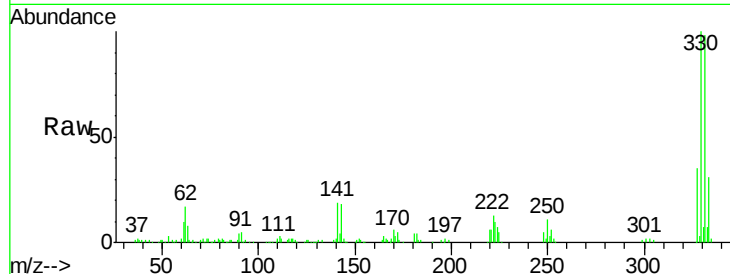




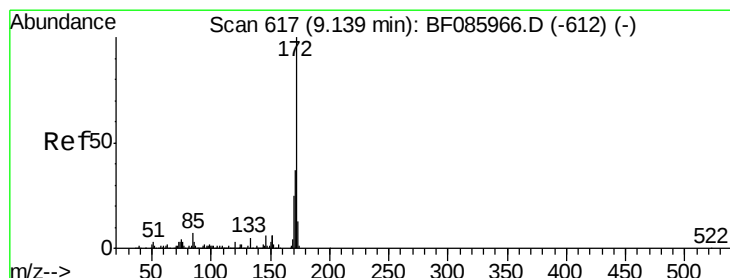
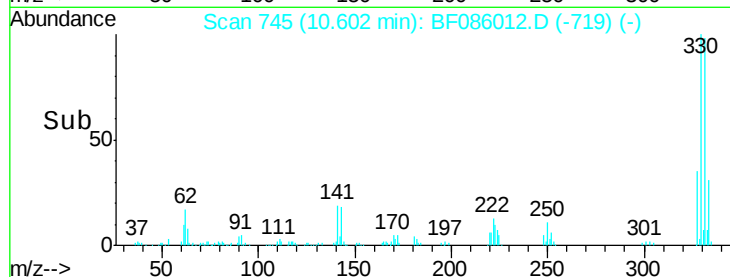
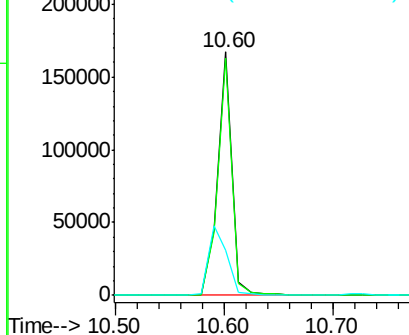
#41
 2,4,6-Tribromophenol
 Concen: 87.19 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Tgt Ion:330 Resp: 155510
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.2 117.2
 141 37.7 31.5 47.3

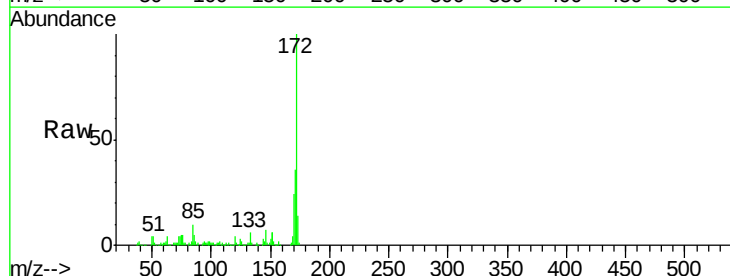


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

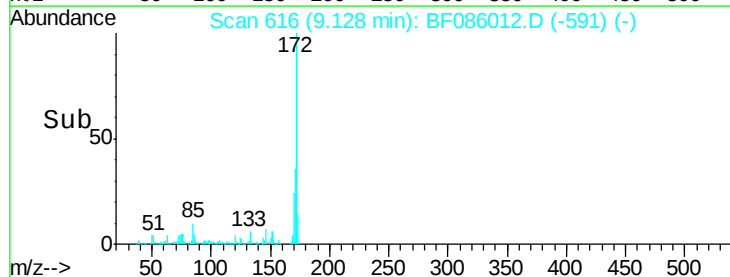
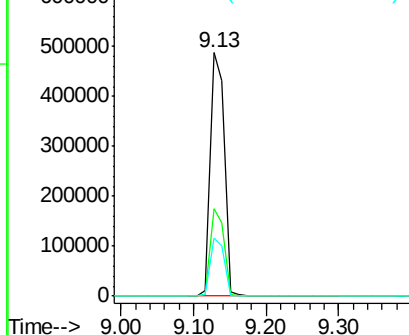


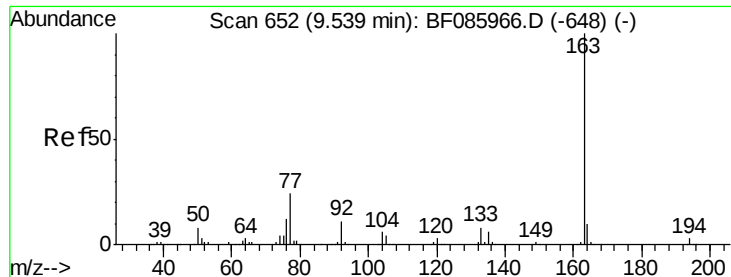
#44
 2-Fluorobiphenyl
 Concen: 56.94 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion:172 Resp: 650711
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.2
 170 24.1 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

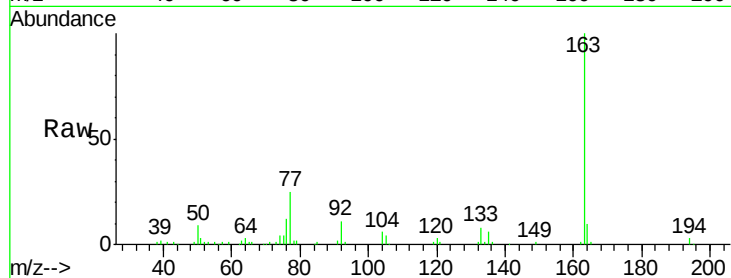




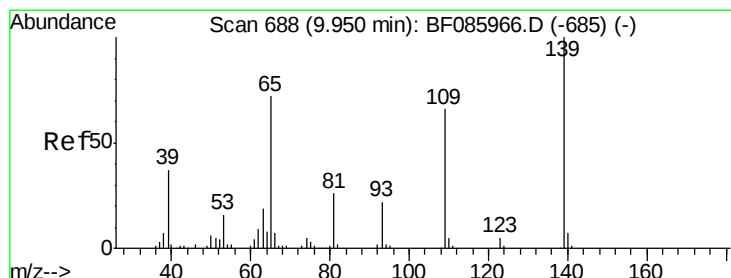
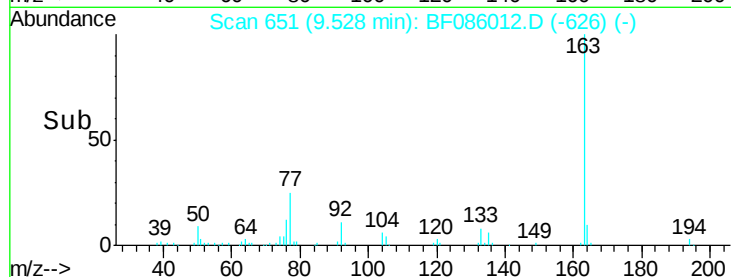
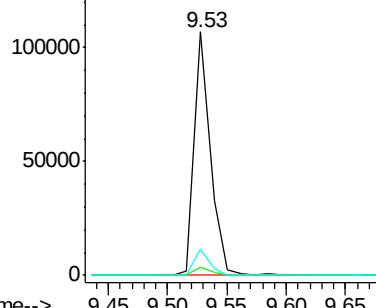
#49
Dimethylphthalate
Concen: 7.11 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

Tgt Ion:163 Resp: 100110
Ion Ratio Lower Upper
163 100
194 3.1 2.9 4.3
164 10.4 8.3 12.5

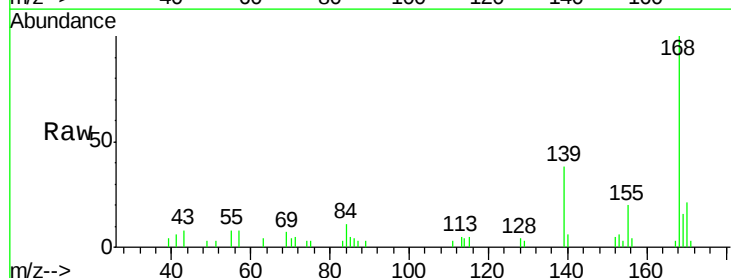


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

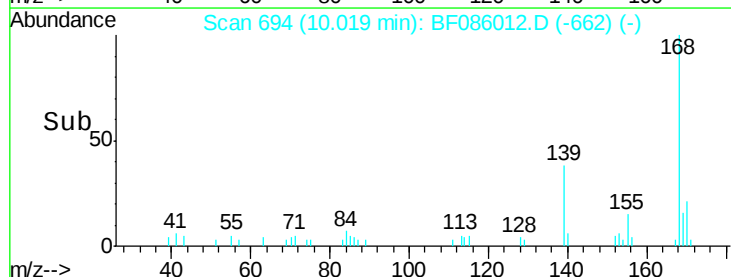
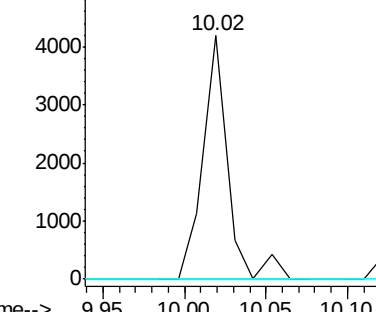


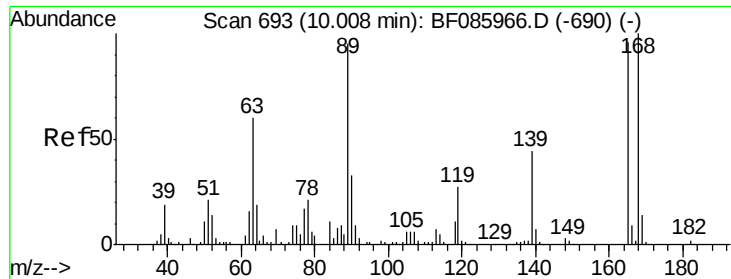
#55
4-Nitrophenol
Concen: 2.08 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.07 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion:139 Resp: 4400
Ion Ratio Lower Upper
139 100
109 0.0 49.2 89.2#
65 0.0 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

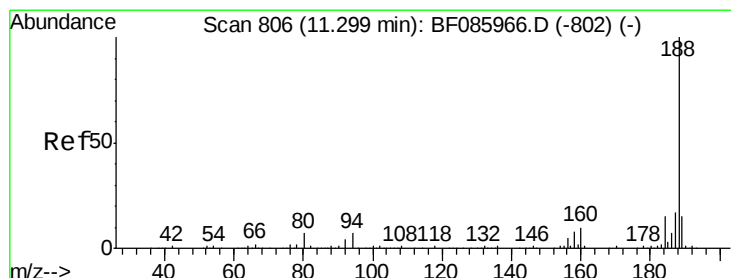
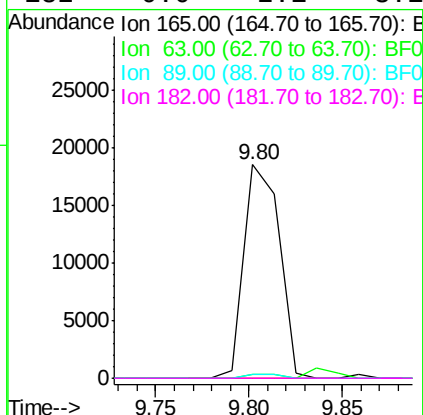
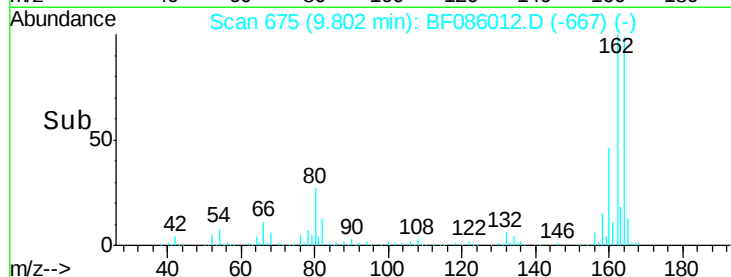
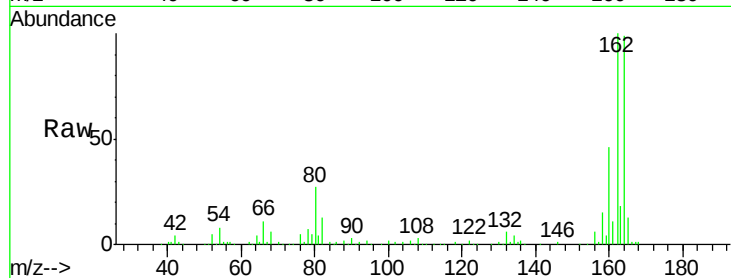




#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

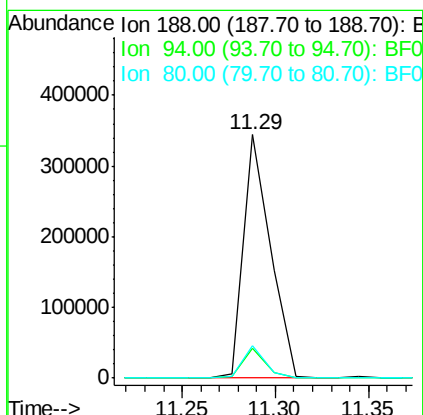
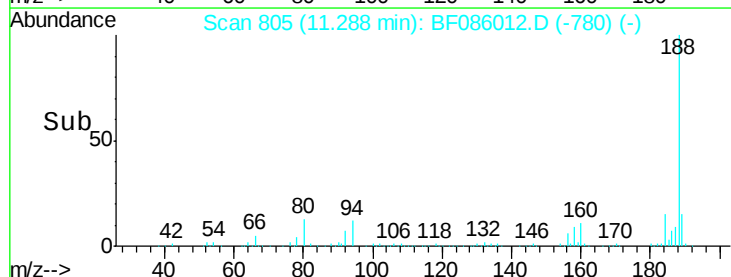
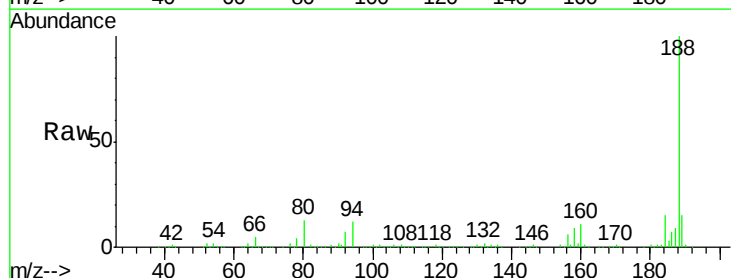
Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

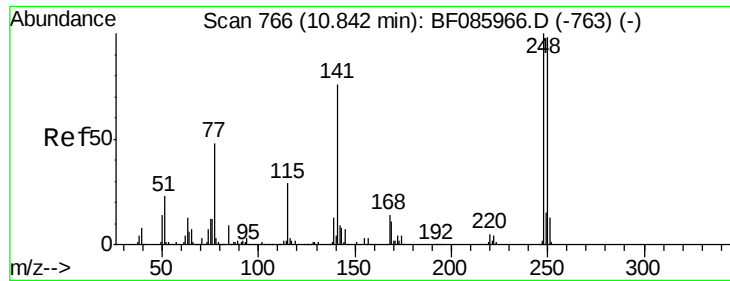
Tgt Ion:	165	Resp:	24478
Ion	Ratio	Lower	Upper
165	100		
63	2.0	24.9	37.3#
89	1.9	41.0	61.6#
182	0.0	2.1	3.1#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion:	188	Resp:	348571
Ion	Ratio	Lower	Upper
188	100		
94	12.1	5.4	8.0#
80	13.2	5.5	8.3#

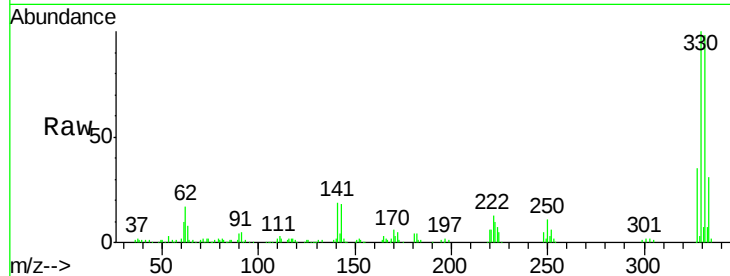




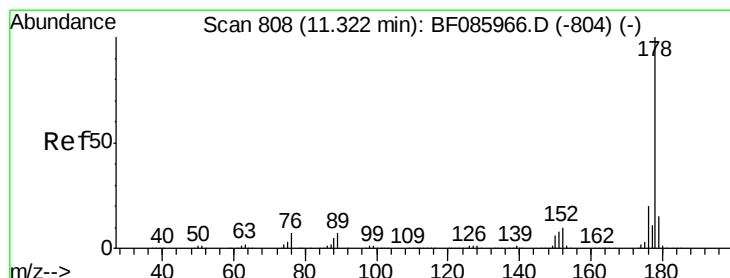
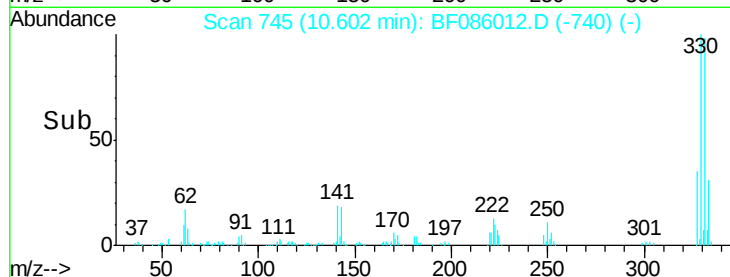
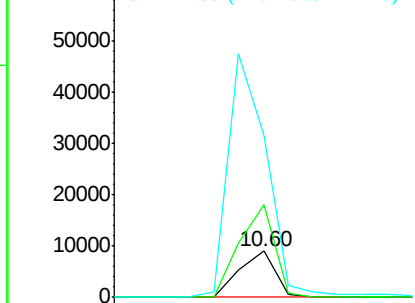
#66
 4-Bromophenyl-phenylether
 Concen: 2.87 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.24 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

Tgt Ion: 248 Resp: 10223
 Ion Ratio Lower Upper
 248 100
 250 201.0 77.4 116.0#
 141 348.4 63.6 95.4#

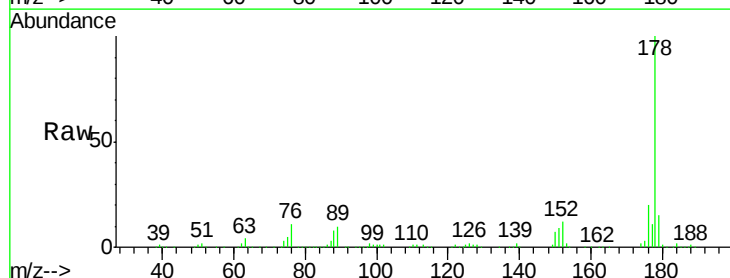


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

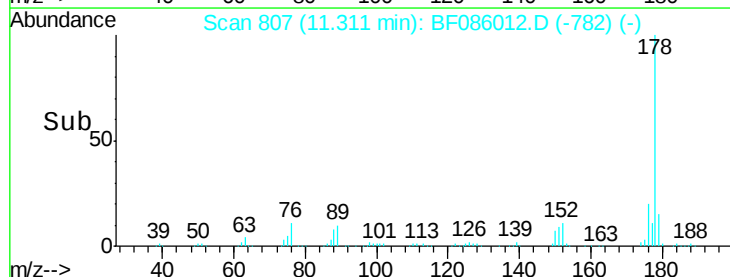
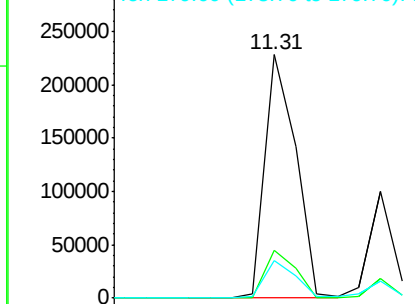


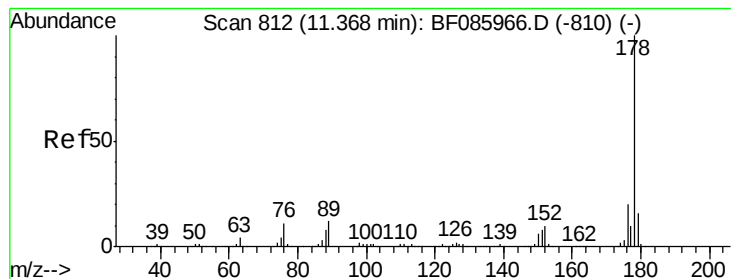
#70
 Phenanthrene
 Concen: 13.74 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion: 178 Resp: 261206
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.3 24.5
 179 15.4 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: 4.46 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

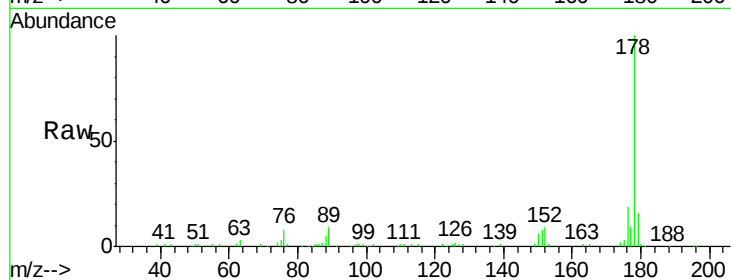
Tgt Ion:178 Resp: 88937

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

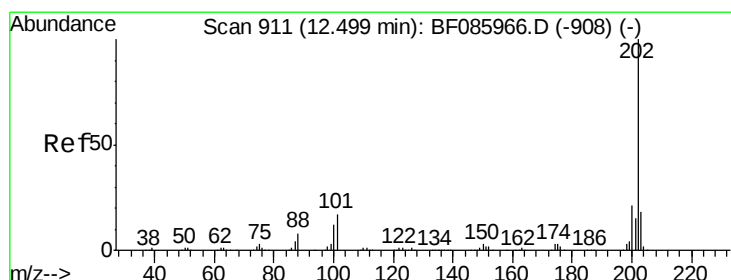
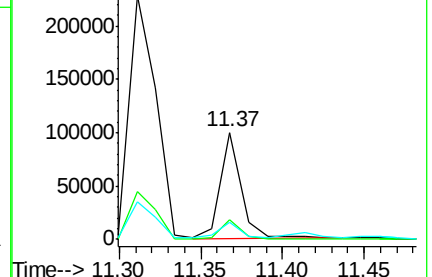
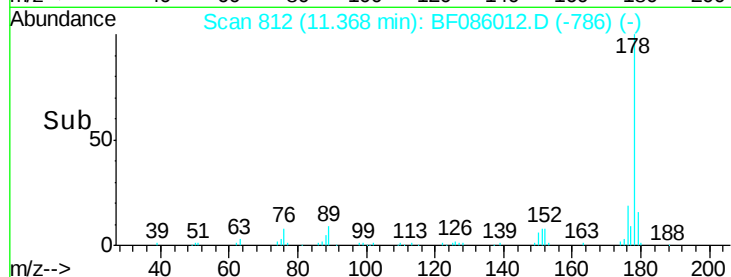
179 15.7 13.0 19.4



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



#74

Fluoranthene

Concen: 17.76 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

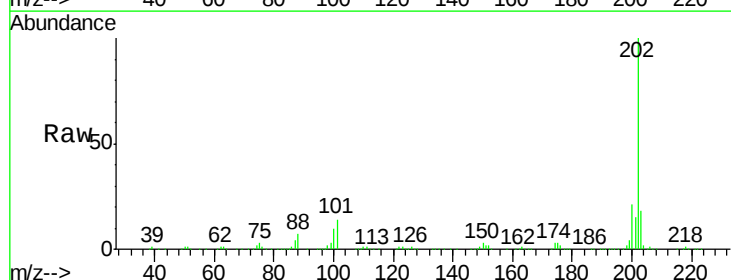
Tgt Ion:202 Resp: 351211

Ion Ratio Lower Upper

202 100

101 14.4 0.0 36.6

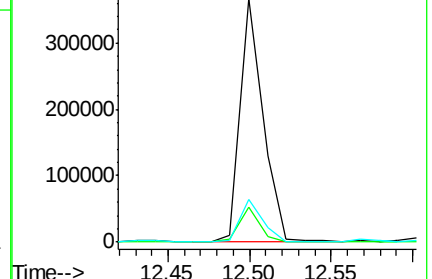
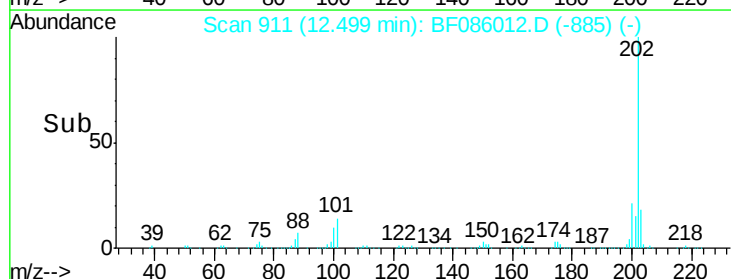
203 17.7 0.0 38.1

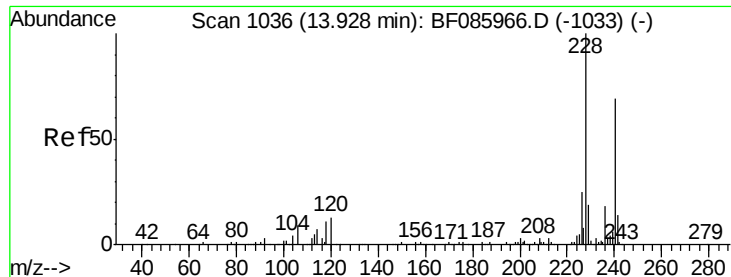


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

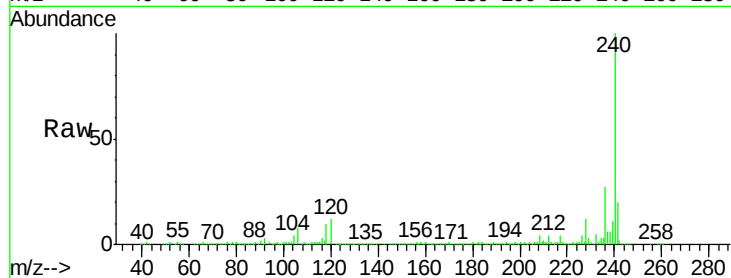
Tgt Ion:240 Resp: 235927

Ion Ratio Lower Upper

240 100

120 12.0 13.8 20.8#

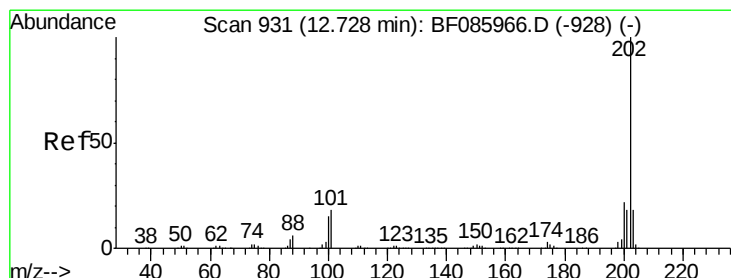
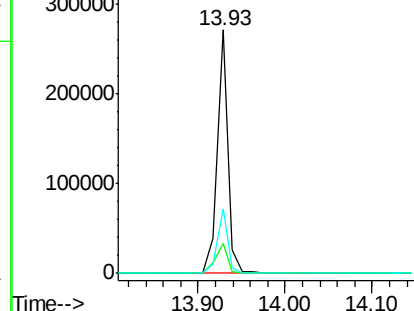
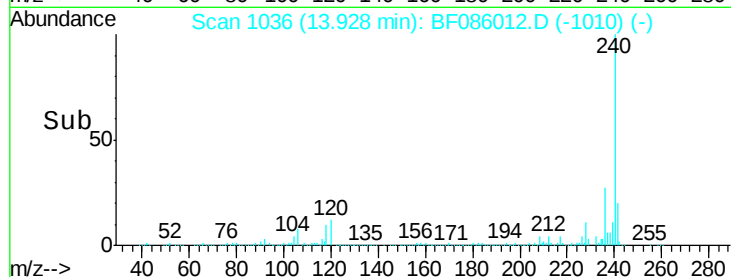
236 26.6 20.6 30.8



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: 18.31 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

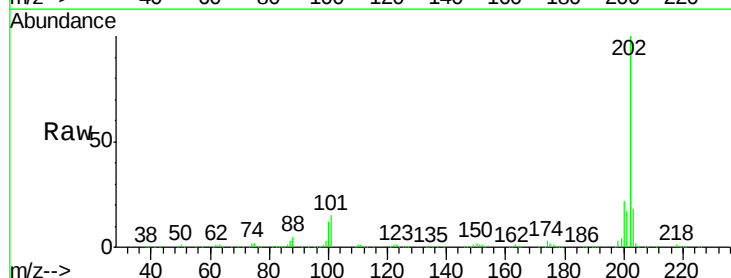
Tgt Ion:202 Resp: 304363

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

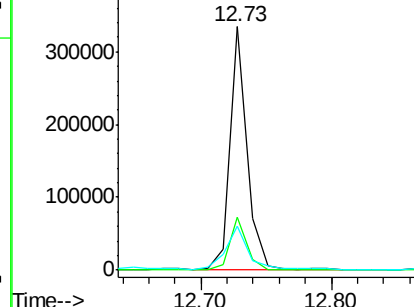
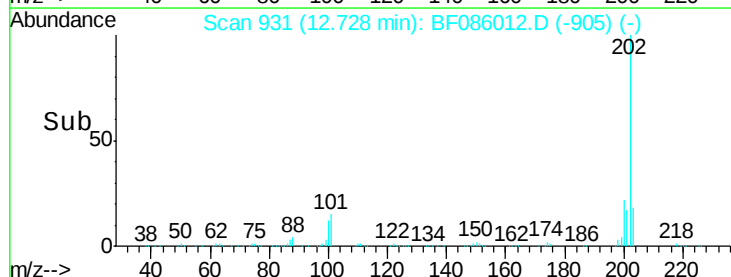
203 18.1 14.0 21.0

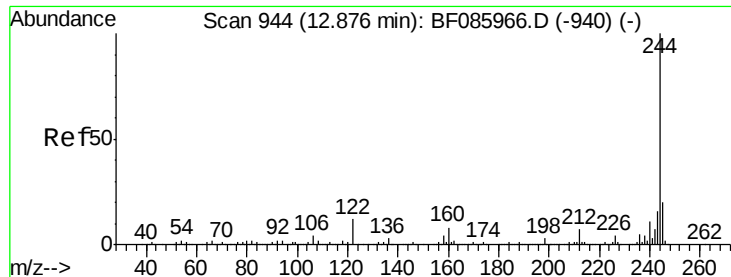


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

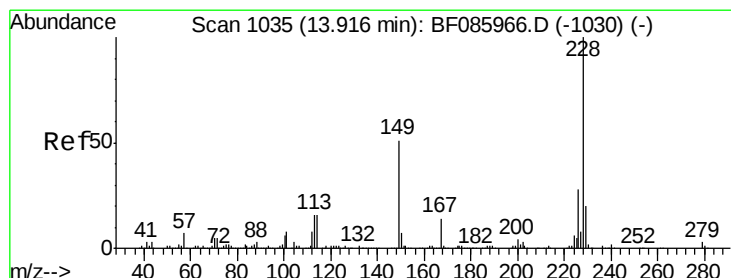
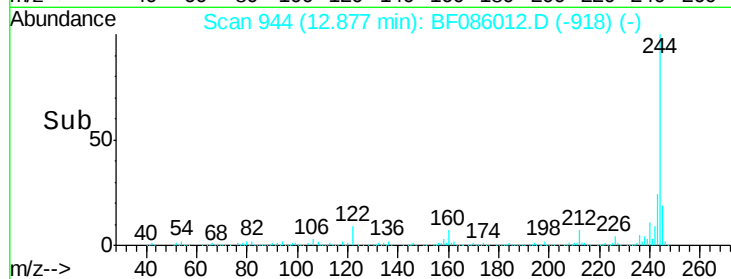
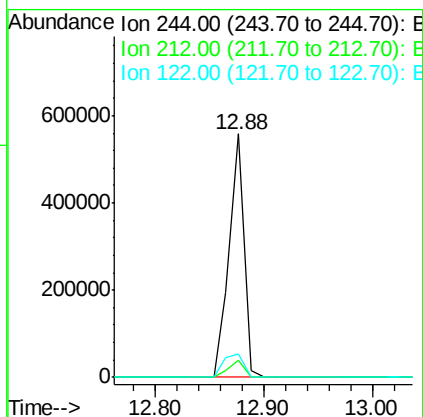
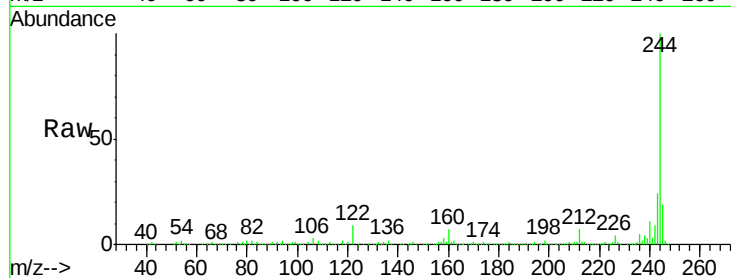




#78
 Terphenyl-d14
 Concen: 53.02 ng
 RT: 12.88 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

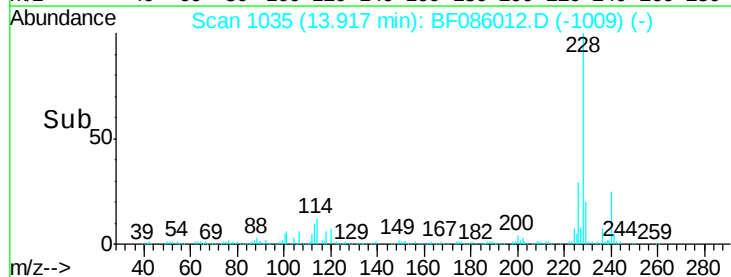
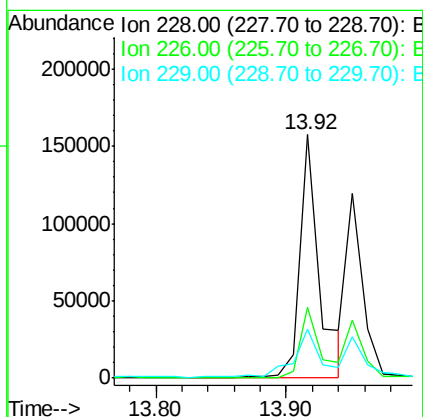
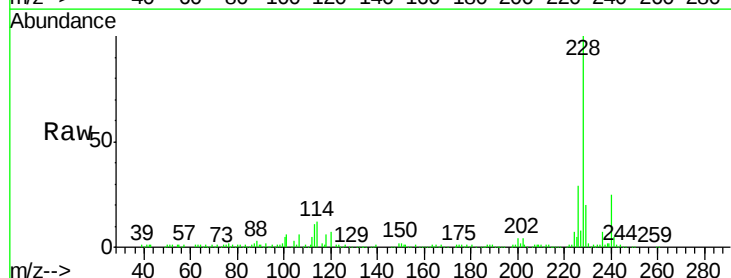
Instrument :
 BNA_F
 ClientSampleId :
 BH-14(0-4)

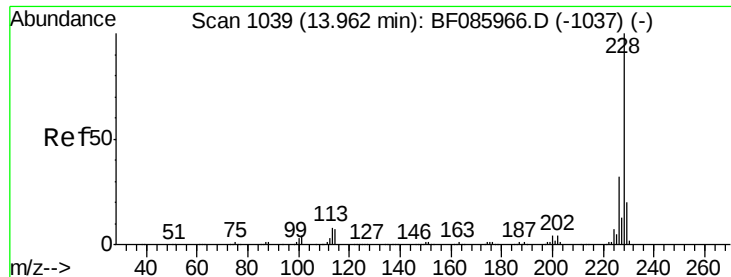
Tgt Ion:244 Resp: 532097
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 9.5 10.2 15.4#



#80
 Benzo(a)anthracene
 Concen: 11.84 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF086012.D
 Acq: 2 Apr 2016 15:28

Tgt Ion:228 Resp: 164678
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 20.3 16.2 24.4





#82

Chrysene

Concen: 7.94 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

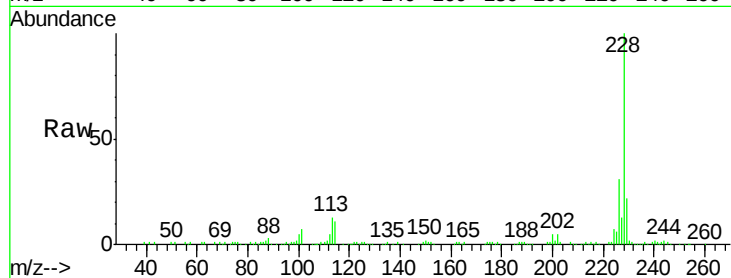
Tgt Ion:228 Resp: 106334

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

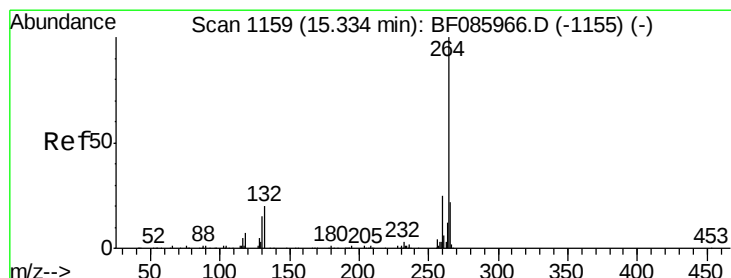
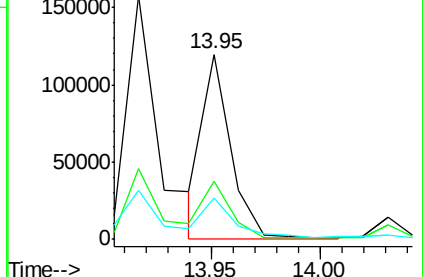
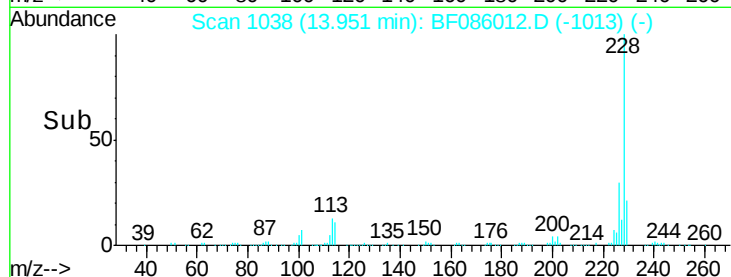
229 22.2 15.7 23.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

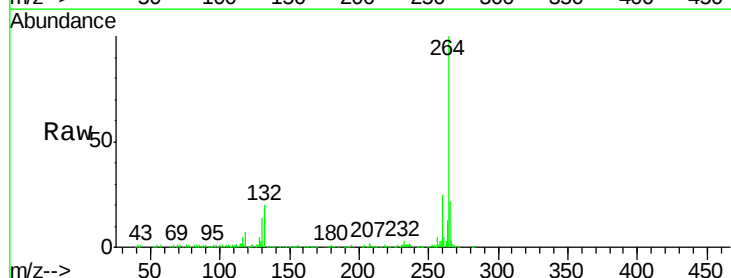
Tgt Ion:264 Resp: 217070

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

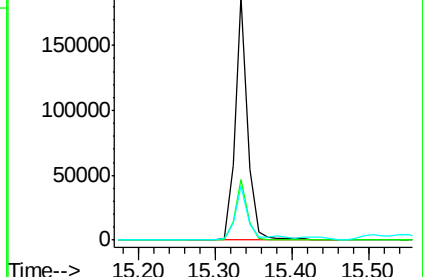
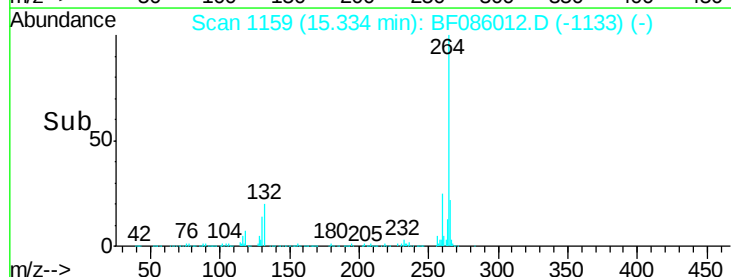
265 22.3 17.2 25.8

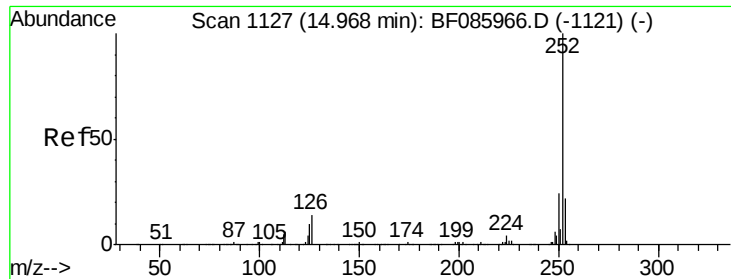


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

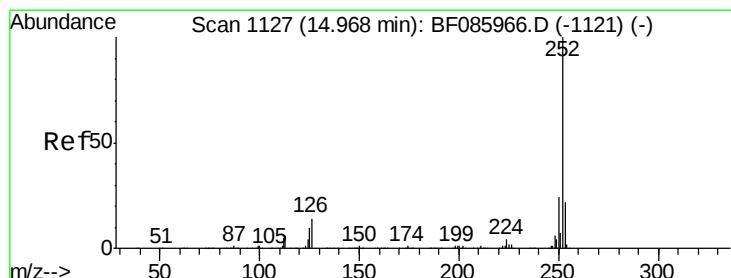
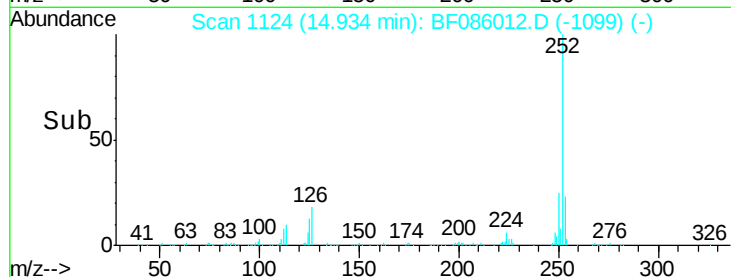
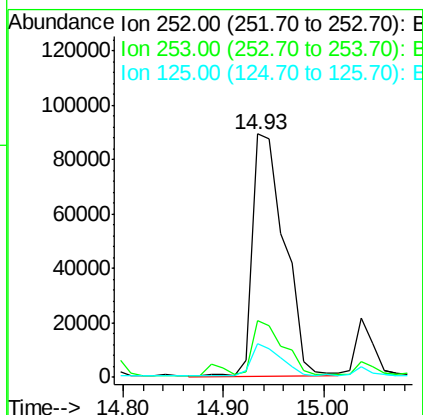
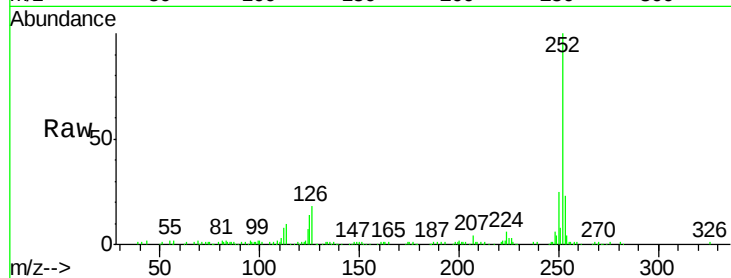




#87
Benzo(b)fluoranthene
Concen: 14.42 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

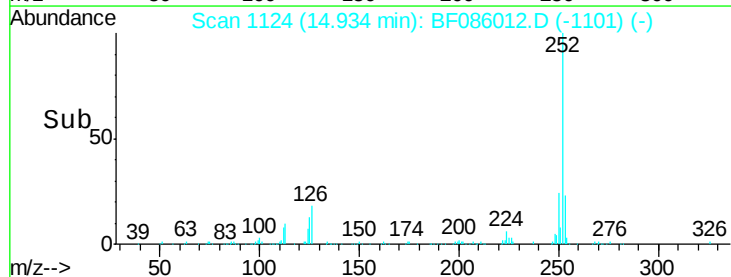
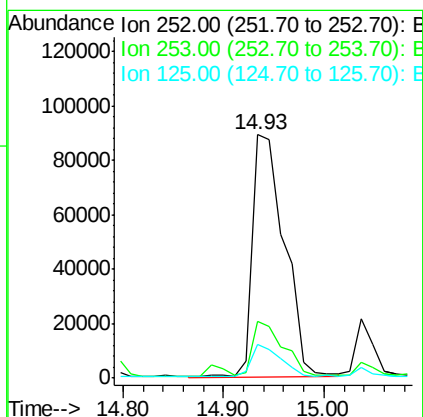
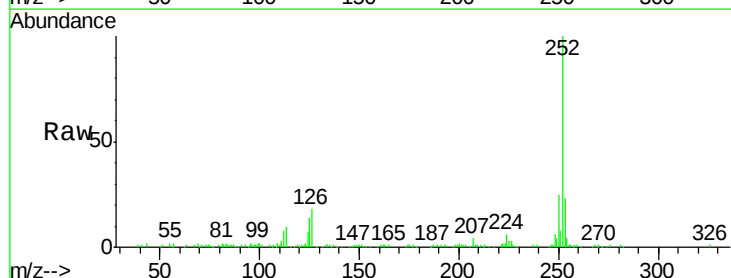
Instrument :
BNA_F
ClientSampleId :
BH-14(0-4)

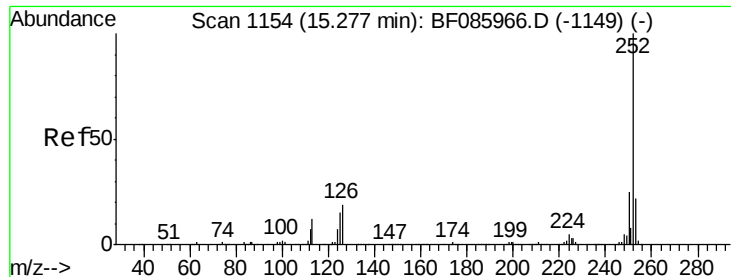
Tgt Ion:252 Resp: 196917
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 14.1 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 16.28 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086012.D
Acq: 2 Apr 2016 15:28

Tgt Ion:252 Resp: 196917
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 14.1 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 8.80 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

Instrument :

BNA_F

ClientSampleId :

BH-14(0-4)

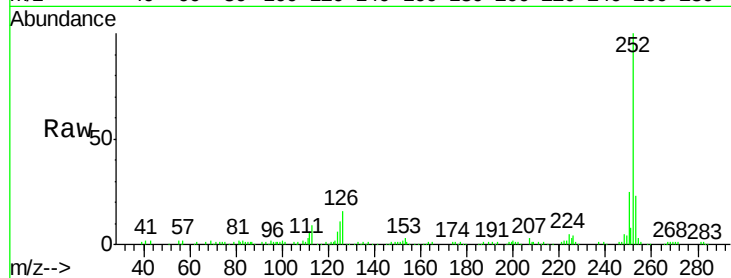
Tgt Ion:252 Resp: 106480

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

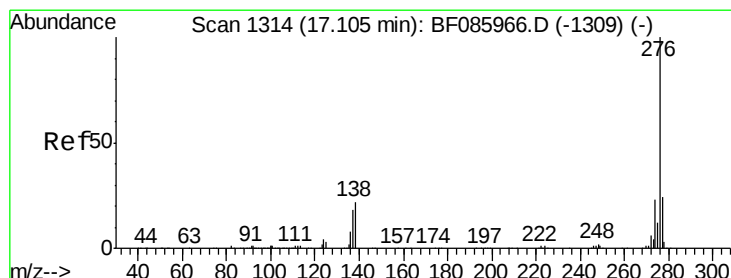
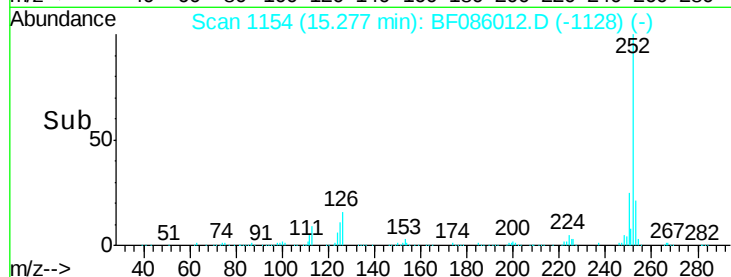
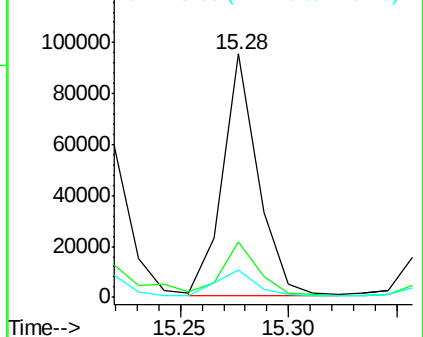
125 11.0 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.87 ng

RT: 17.11 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF086012.D

Acq: 2 Apr 2016 15:28

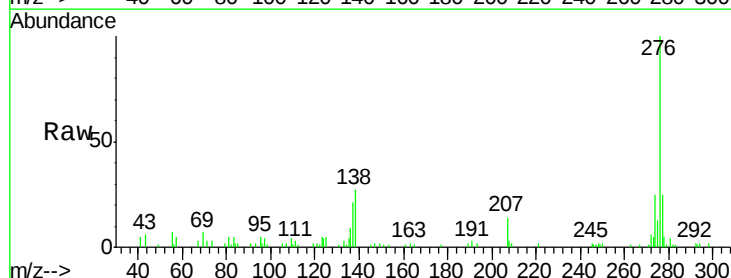
Tgt Ion:276 Resp: 55312

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 26.6 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

