

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086832.D
 Acq On : 9 May 2016 20:39
 Operator : UM/SJ
 Sample : H2768-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8

Quant Time: May 10 03:18:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	148734	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	430624	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	214941	20.00	ng	0.01
63) Phenanthrene-d10	11.23	188	404654	20.00	ng	0.02
75) Chrysene-d12	13.84	240	443477	20.00	ng	0.00
86) Perylene-d12	15.21	264	359026	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	899868	102.46	ng	0.00
7) Phenol-d6	6.35	99	1152785	98.21	ng	-0.01
23) Nitrobenzene-d5	7.26	82	789275	92.03	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	307029	134.93	ng	0.02
44) 2-Fluorobiphenyl	9.07	172	1039160	81.25	ng	0.01
78) Terphenyl-d14	12.80	244	999190	47.80	ng	0.00

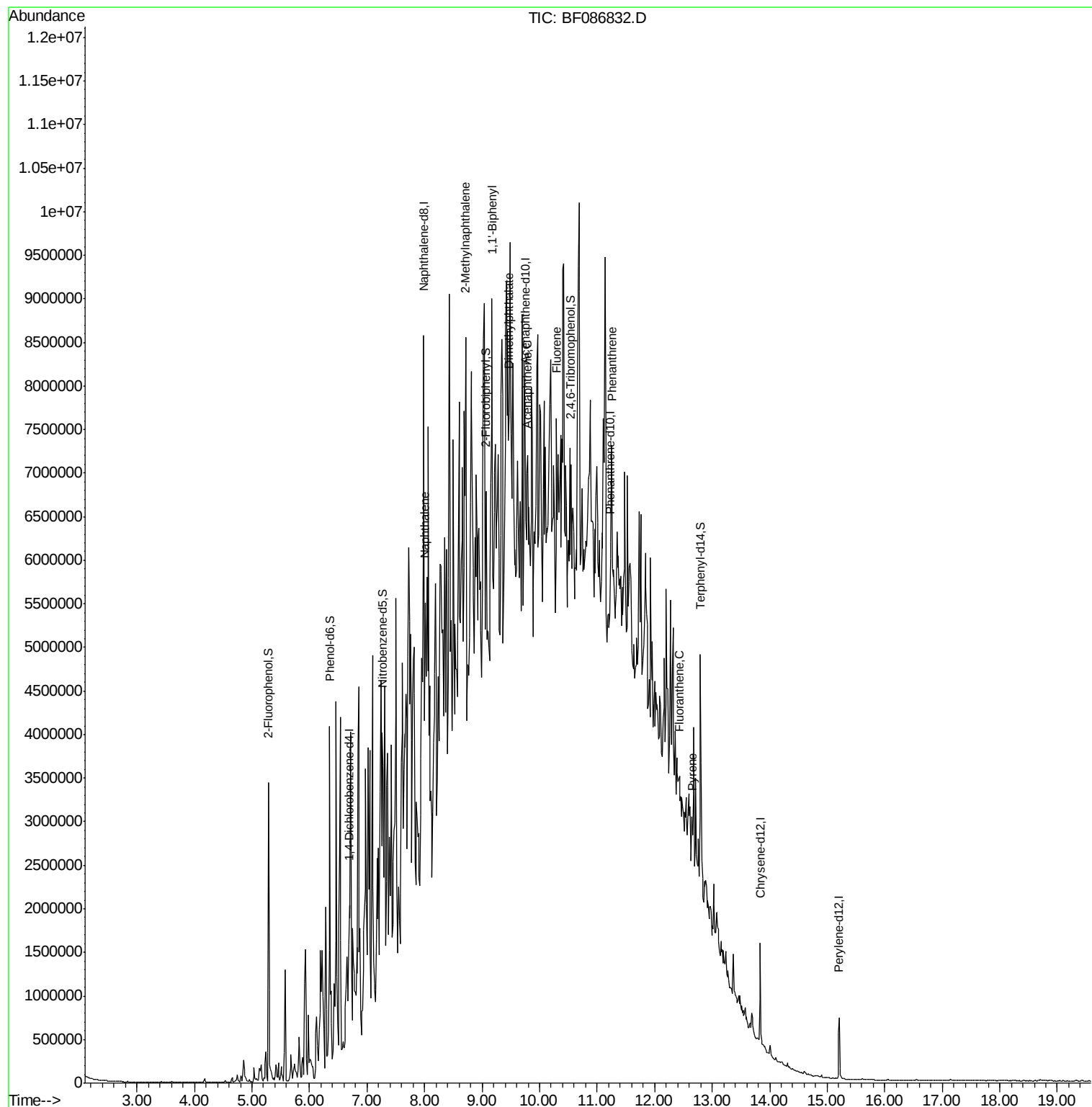
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.01	128	986002	45.71	ng	# 89
37) 2-Methylnaphthalene	8.72	142	2135160	169.33	ng	# 95
45) 1,1'-Biphenyl	9.17	154	446347	26.11	ng	# 98
49) Dimethylphthalate	9.47	163	141794	8.65	ng	# 79
51) Acenaphthene	9.78	154	209490	17.09	ng	# 86
57) Fluorene	10.29	166	461724	34.41	ng	# 75
70) Phenanthrene	11.25	178	1120769	51.90	ng	# 95
74) Fluoranthene	12.43	202	69376	3.12	ng	# 80
77) Pyrene	12.66	202	326577	9.62	ng	# 94

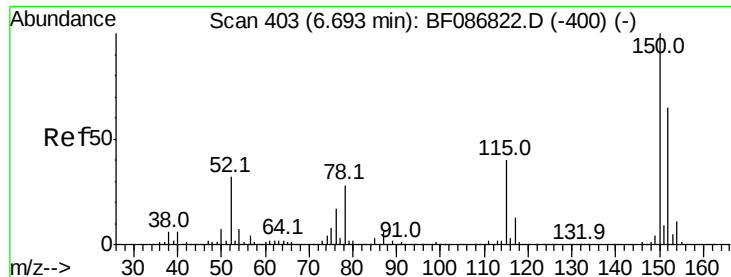
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Instrument :

BNA_F

ClientSampleId :

SA(1)8

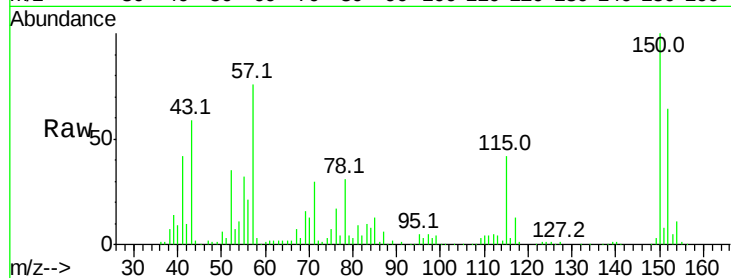
Tot Ion:152 Resp: 148734

Ion Ratio Lower Upper

152 100

150 156.7 125.8 188.6

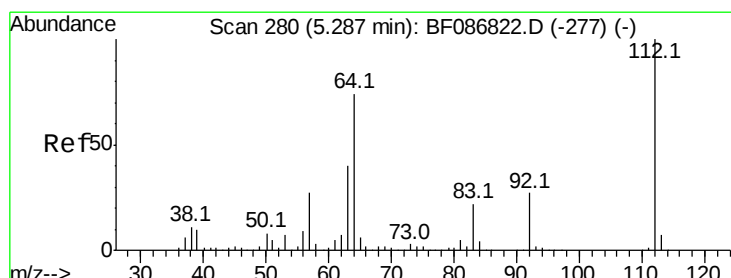
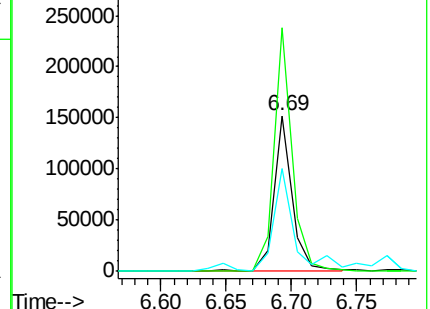
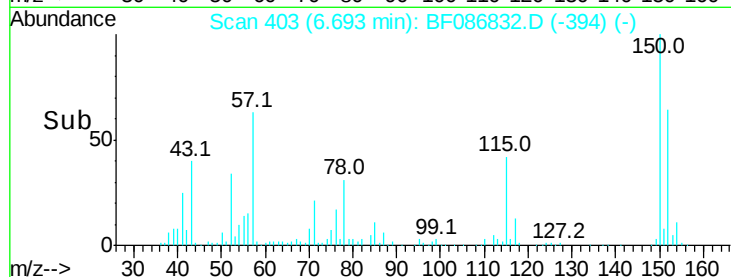
115 66.3 51.5 77.3



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: 102.46 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

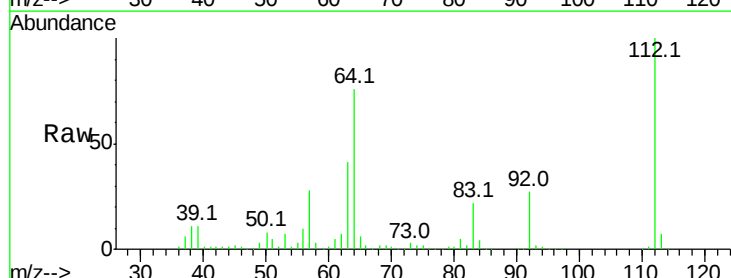
Tgt Ion:112 Resp: 899868

Ion Ratio Lower Upper

112 100

64 76.1 52.1 78.1

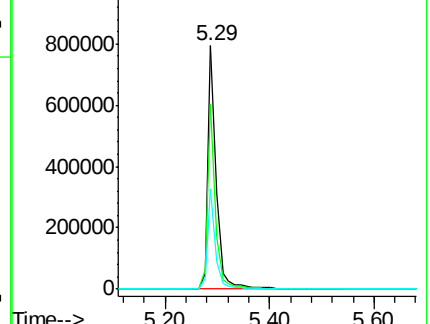
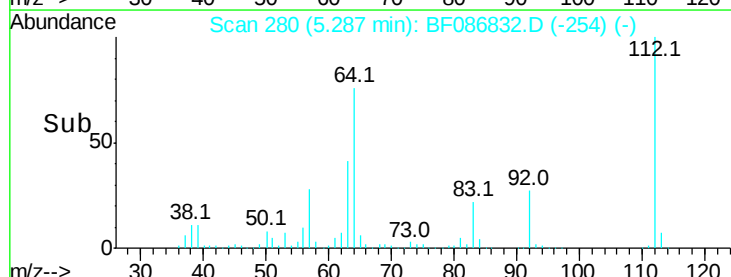
63 41.1 25.7 38.5#

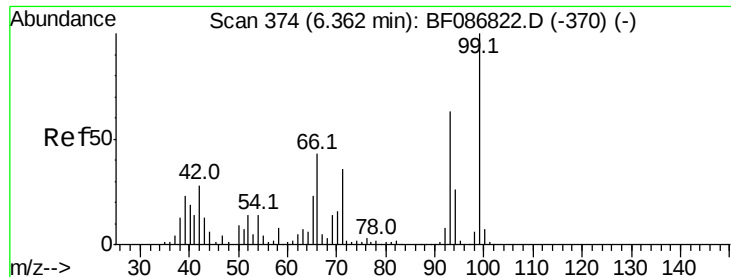


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.21 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Instrument :

BNA_F

ClientSampled :

SA(1)8

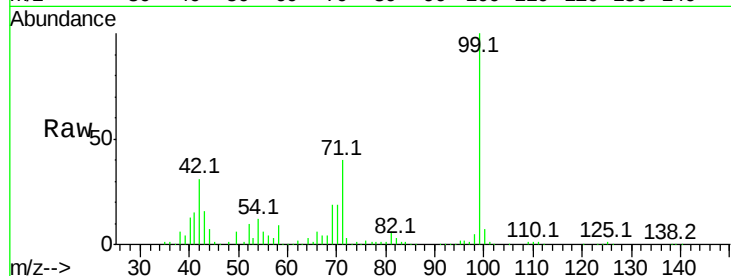
Tot Ion: 99 Resp: 1152785

Ion Ratio Lower Upper

99 100

42 31.3 13.6 20.4#

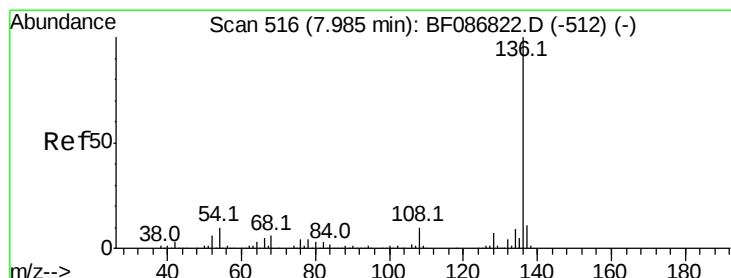
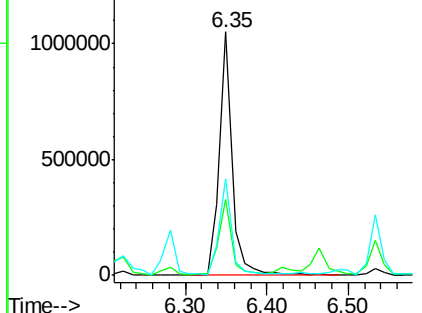
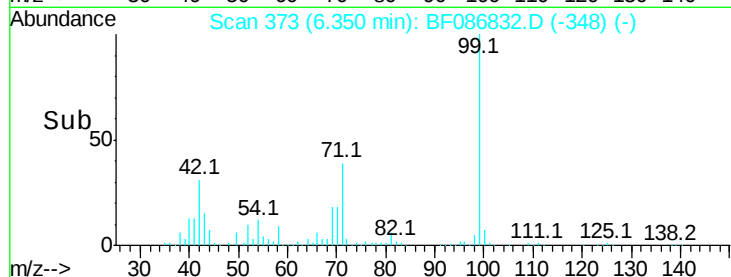
71 39.7 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Tgt Ion: 136 Resp: 430624

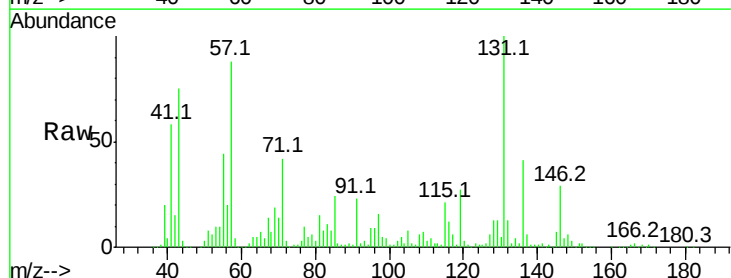
Ion Ratio Lower Upper

136 100

137 14.0 8.8 13.2#

54 23.8 5.0 7.4#

68 16.6 4.4 6.6#

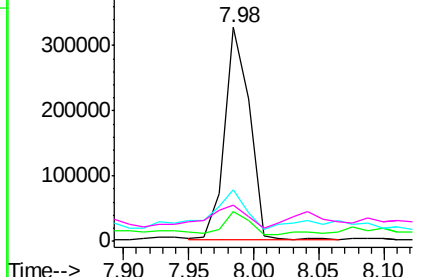
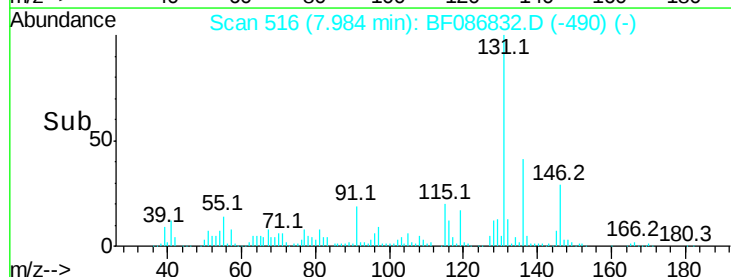


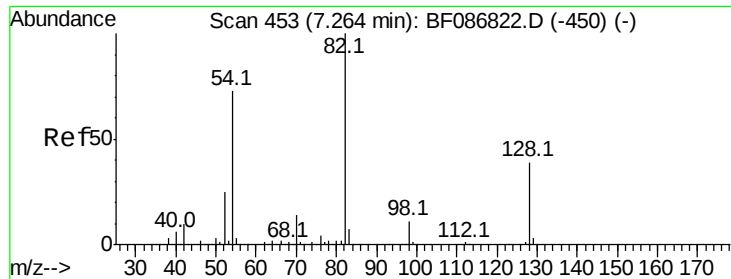
Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.03 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Instrument :

BNA_F

ClientSampleId :

SA(1)8

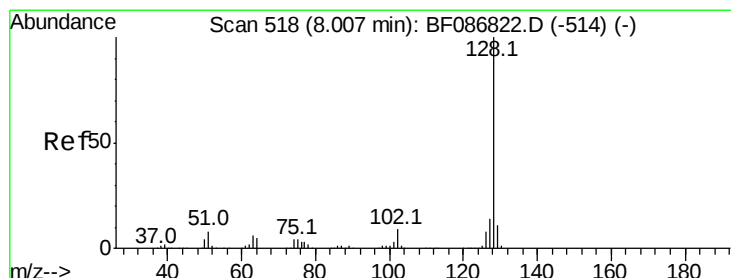
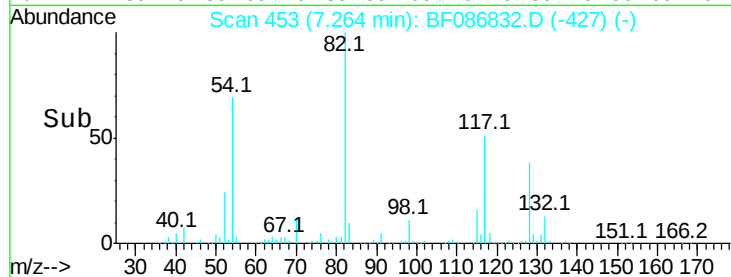
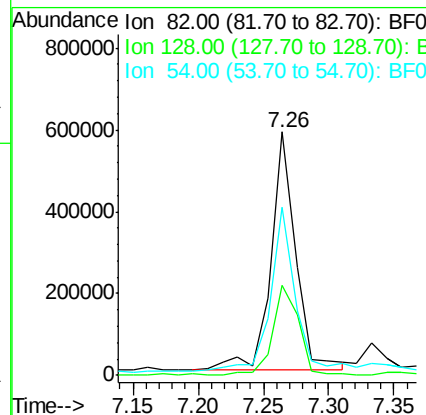
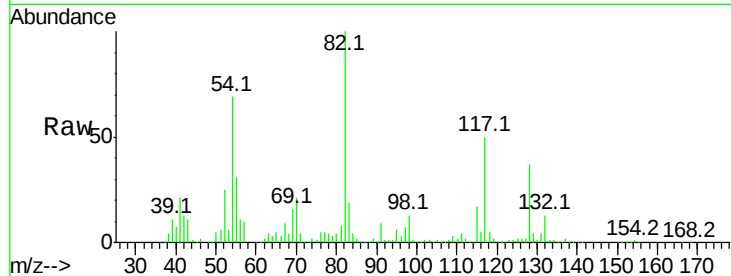
Tot Ion: 82 Resp: 789275

Ion Ratio Lower Upper

82 100

128 37.0 40.6 61.0#

54 69.0 38.1 57.1#



#31

Naphthalene

Concen: 45.71 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

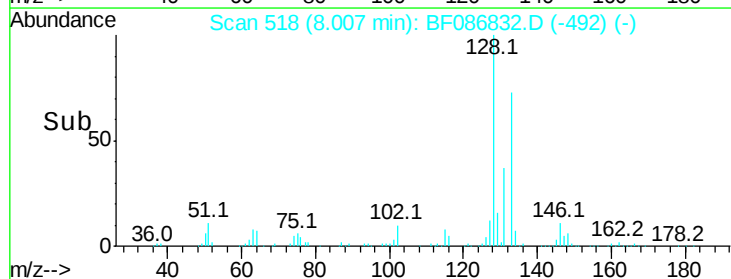
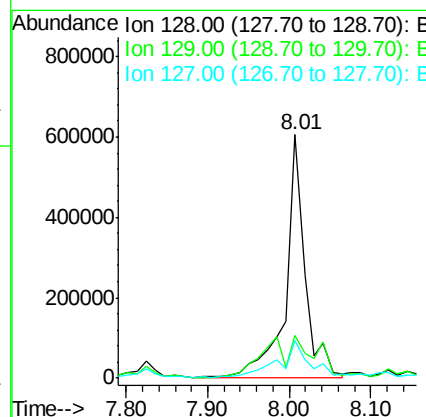
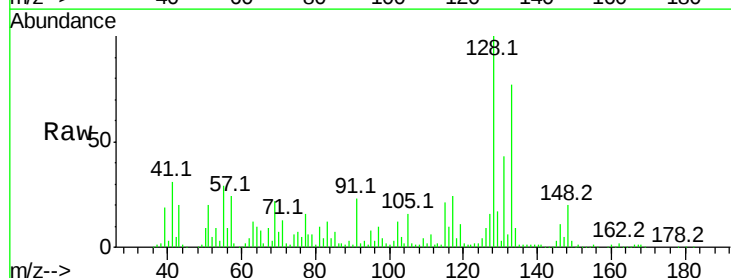
Tgt Ion:128 Resp: 986002

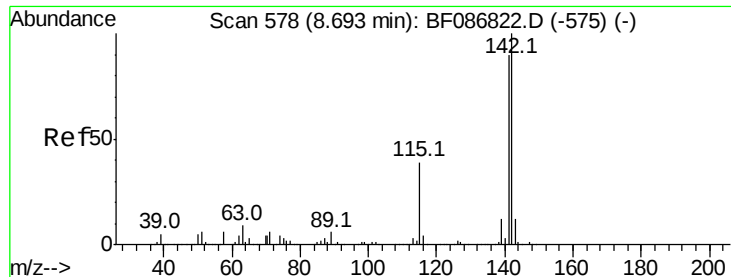
Ion Ratio Lower Upper

128 100

129 17.3 8.6 13.0#

127 15.6 10.8 16.2

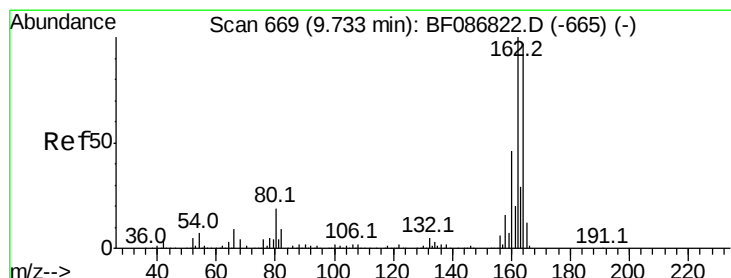
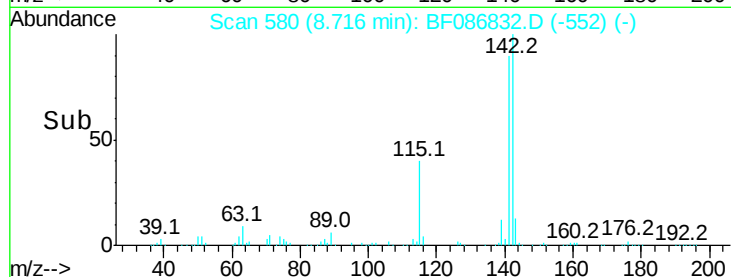
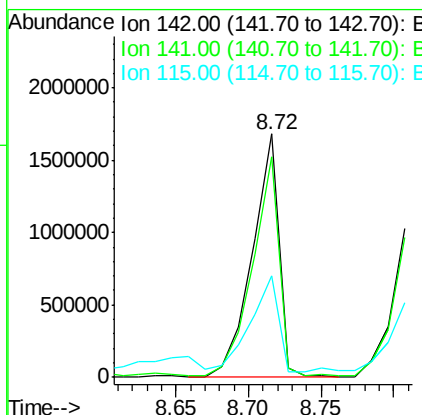
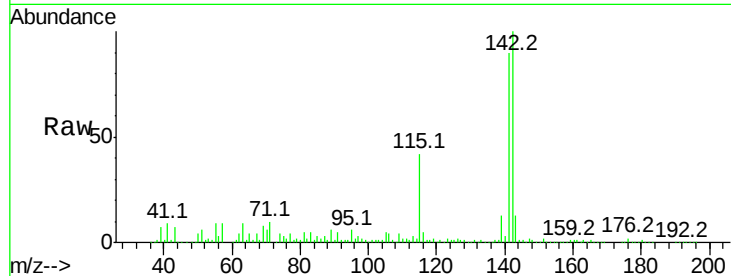




#37
2-Methylnaphthalene
Concen: 169.33 ng
RT: 8.72 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

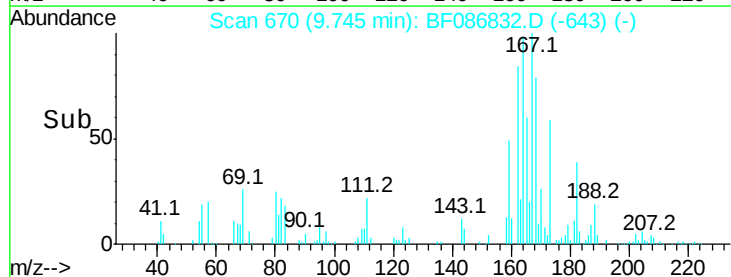
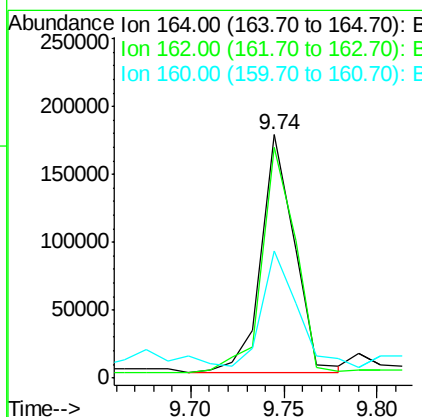
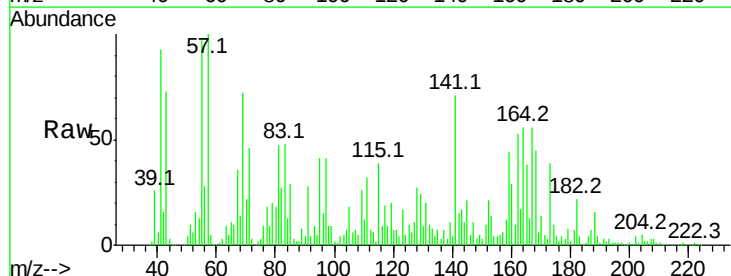
Instrument :
BNA_F
ClientSampleId :
SA(1)8

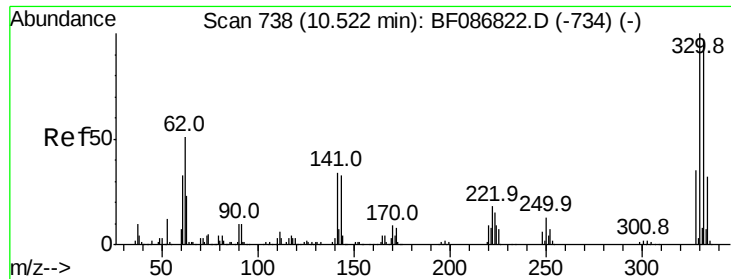
Tot Ion:142 Resp: 2135160
Ion Ratio Lower Upper
142 100
141 90.4 71.0 106.6
115 41.7 26.6 39.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.01 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

Tgt Ion:164 Resp: 214941
Ion Ratio Lower Upper
164 100
162 95.0 82.8 124.2
160 52.2 36.9 55.3

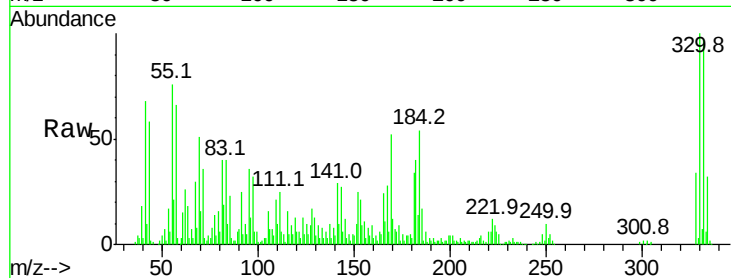




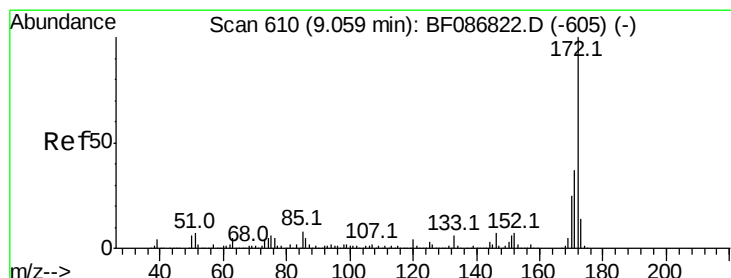
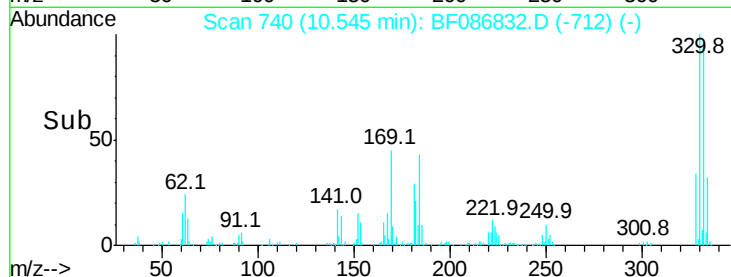
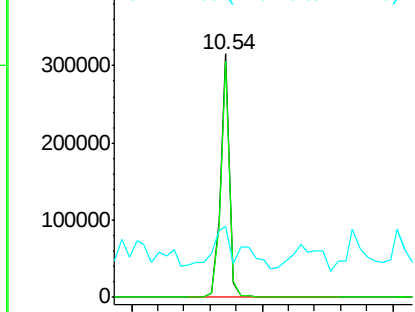
#41
 2,4,6-Tribromophenol
 Concen: 134.93 ng
 RT: 10.54 min Scan# 740
 Delta R.T. 0.02 min
 Lab File: BF086832.D
 Acq: 9 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8

Tot Ion:330 Resp: 307029
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 50.1 31.2 46.8#

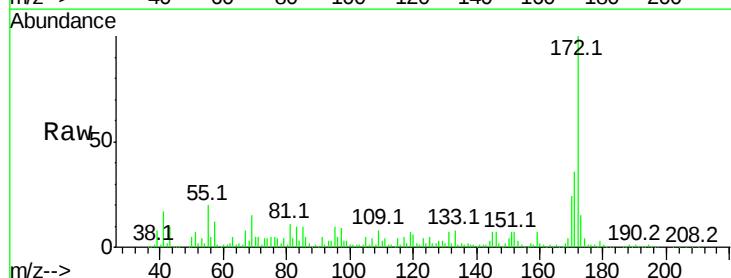


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

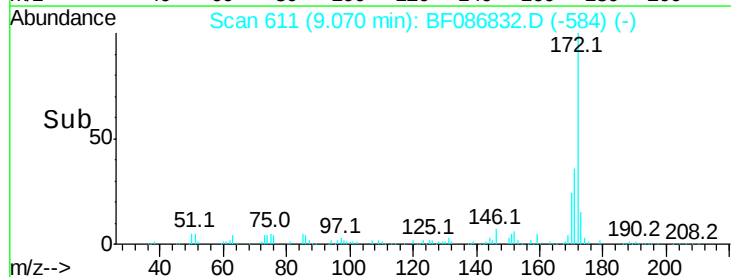
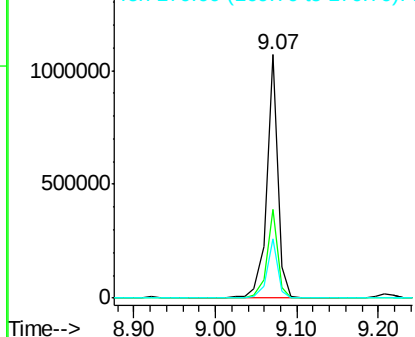


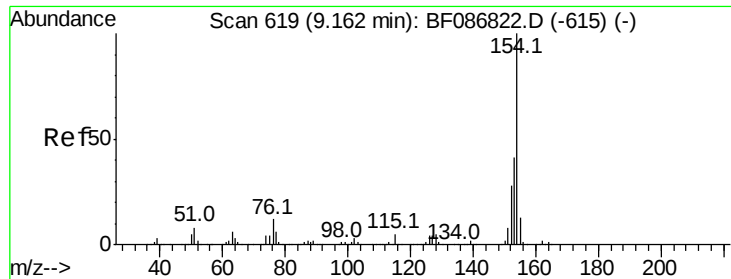
#44
 2-Fluorobiphenyl
 Concen: 81.25 ng
 RT: 9.07 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: BF086832.D
 Acq: 9 May 2016 20:39

Tgt Ion:172 Resp: 1039160
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.2 19.8 29.8



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

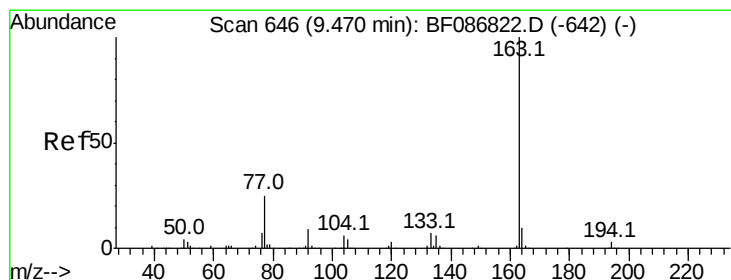
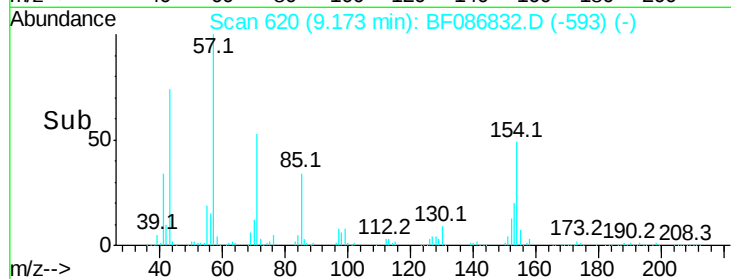
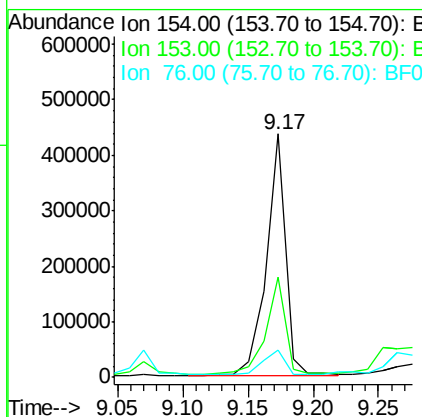
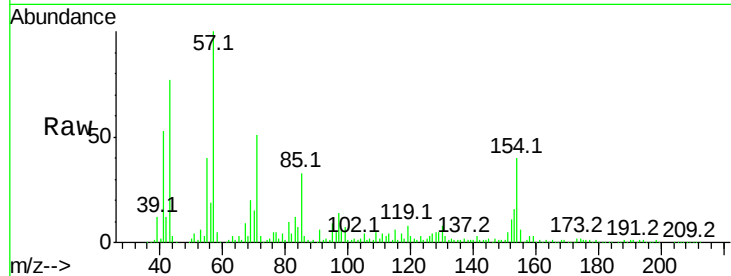




#45
 1,1'-Biphenyl
 Concen: 26.11 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF086832.D
 Acq: 9 May 2016 20:39

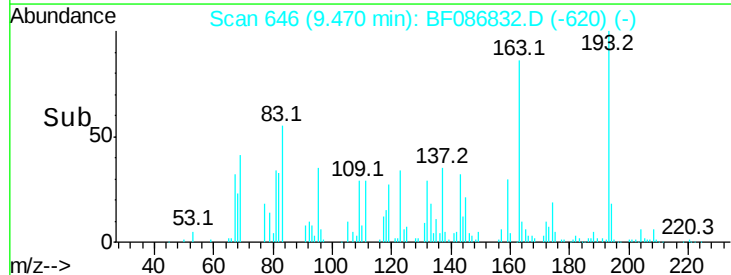
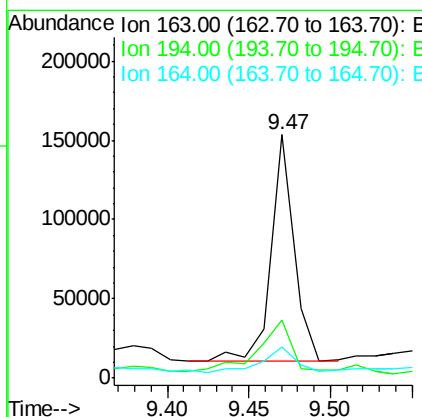
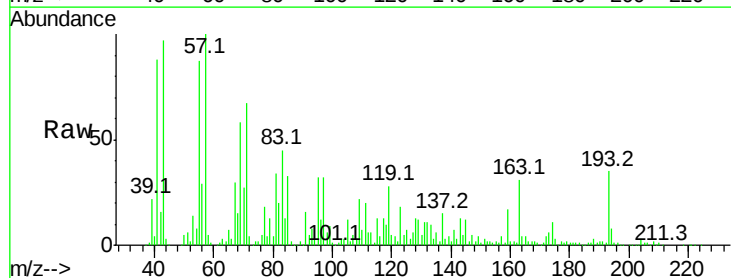
Instrument :
 BNA_F
 ClientSampleID :
 SA(1)8

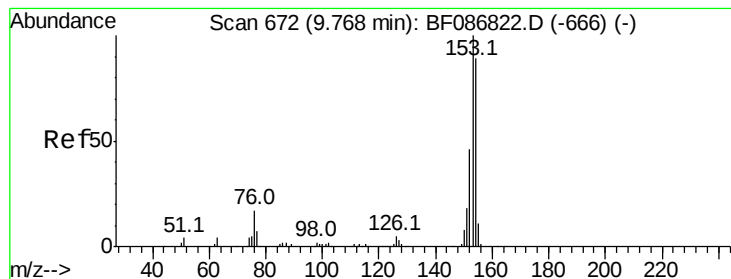
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	11.4	0.0	30.2



#49
 Dimethylphthalate
 Concen: 8.65 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF086832.D
 Acq: 9 May 2016 20:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	23.9	2.6	4.0#
164	13.0	8.2	12.4#





#51

Acenaphthene

Concen: 17.09 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.01 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Instrument :

BNA_F

ClientSampleId :

SA(1)8

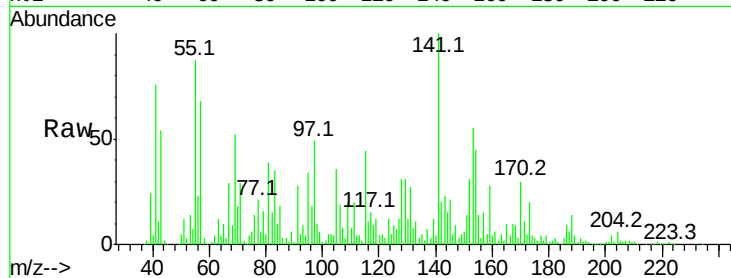
Tot Ion:154 Resp: 209490

Ion Ratio Lower Upper

154 100

153 123.8 89.8 134.6

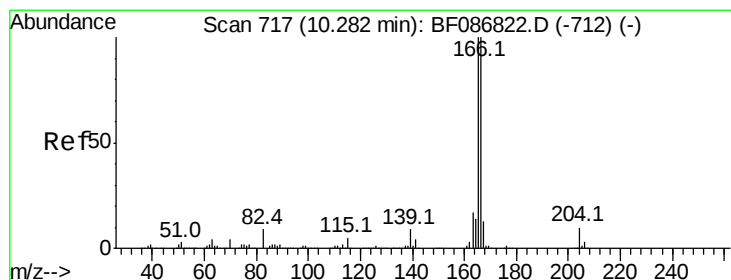
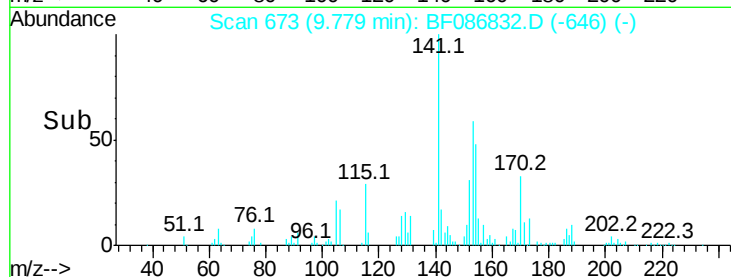
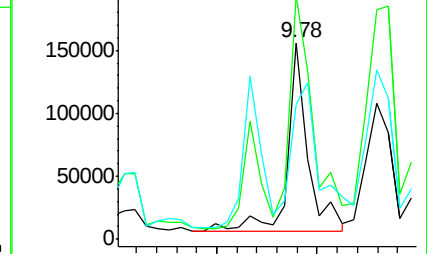
152 68.4 43.4 65.0#



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



#57

Fluorene

Concen: 34.41 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

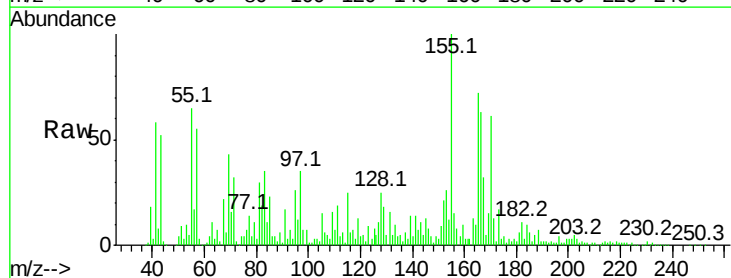
Tgt Ion:166 Resp: 461724

Ion Ratio Lower Upper

166 100

165 114.4 79.0 118.6

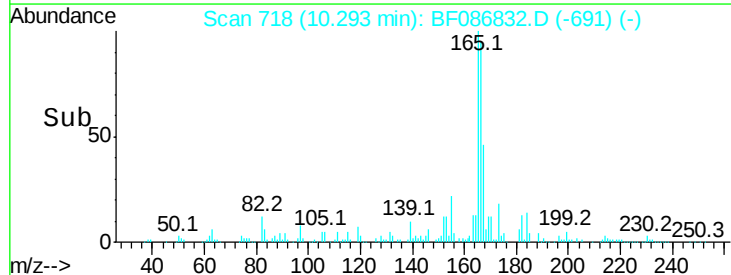
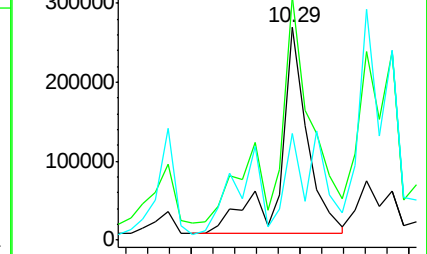
167 50.4 10.6 15.8#

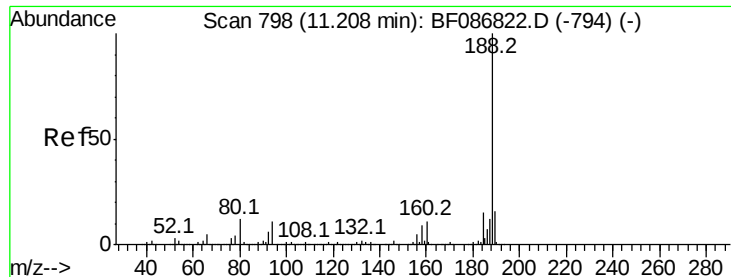


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

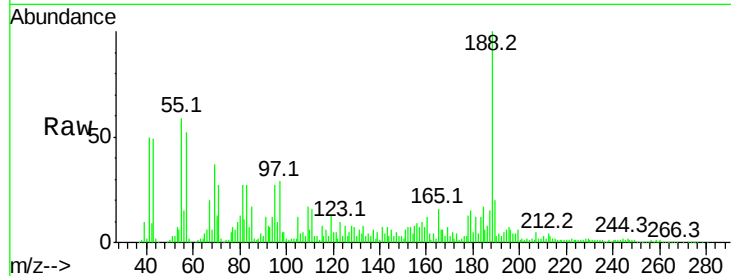




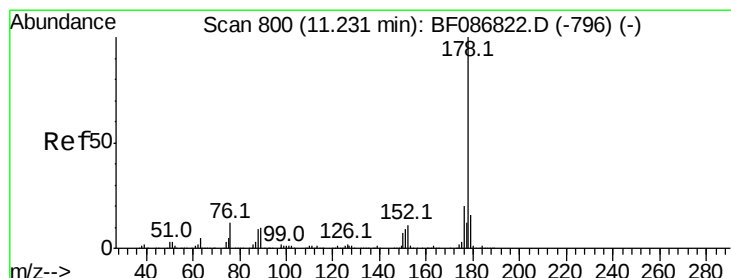
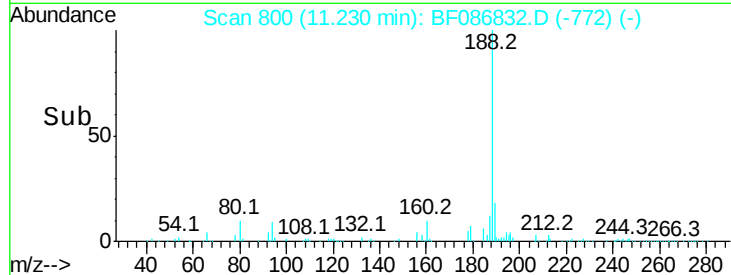
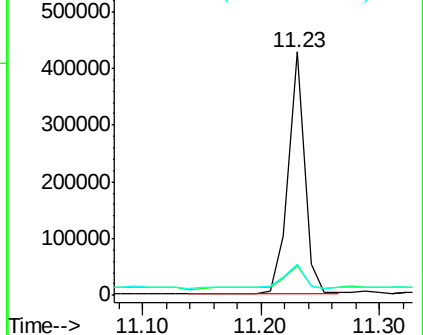
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. 0.02 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

Instrument :
BNA_F
ClientSampleID :
SA(1)8

Tot Ion:188 Resp: 404654
Ion Ratio Lower Upper
188 100
94 12.2 6.8 10.2#
80 12.9 7.1 10.7#

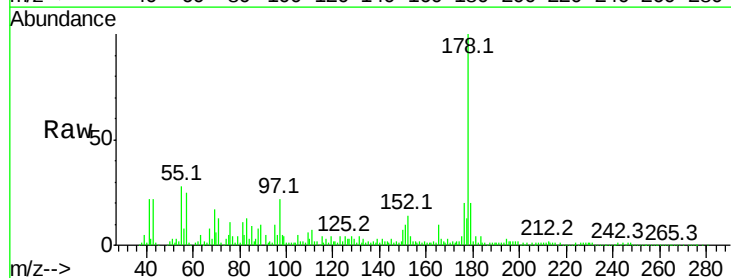


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

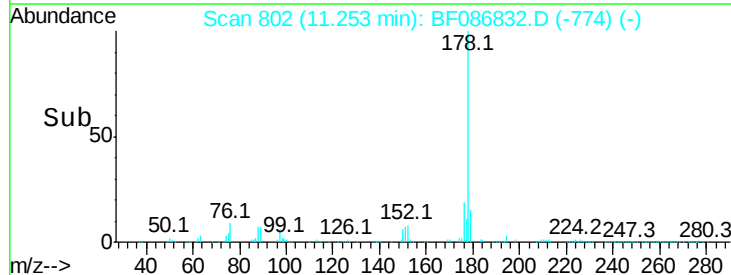
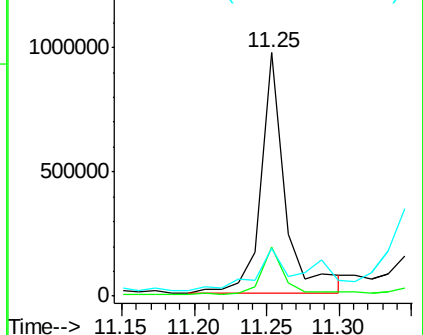


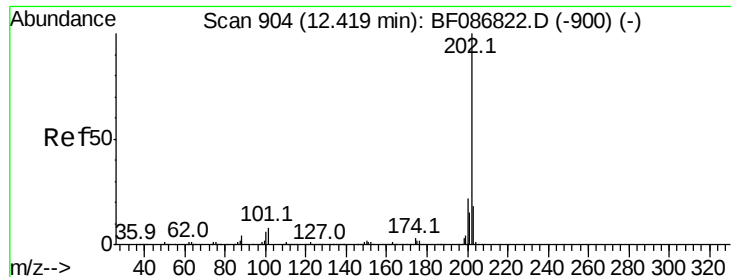
#70
Phenanthrene
Concen: 51.90 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.02 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

Tgt Ion:178 Resp: 1120769
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 19.8 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





#74

Fluoranthene

Concen: 3.12 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

Instrument :

BNA_F

ClientSampleId :

SA(1)8

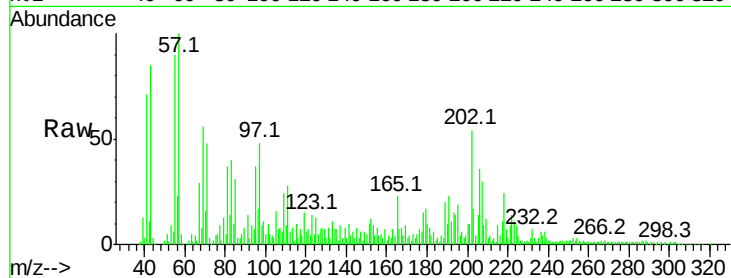
Tot Ion:202 Resp: 69376

Ion Ratio Lower Upper

202 100

101 19.4 0.0 35.4

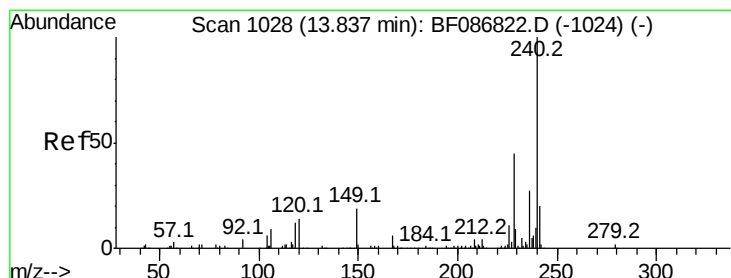
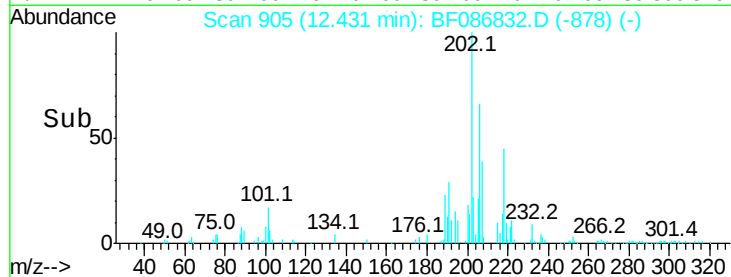
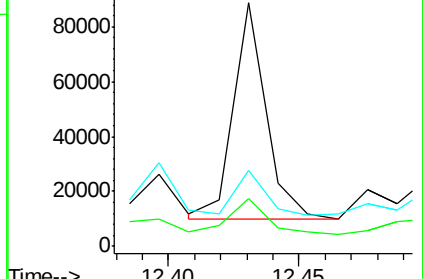
203 31.0 0.0 38.1



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: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF086832.D

Acq: 9 May 2016 20:39

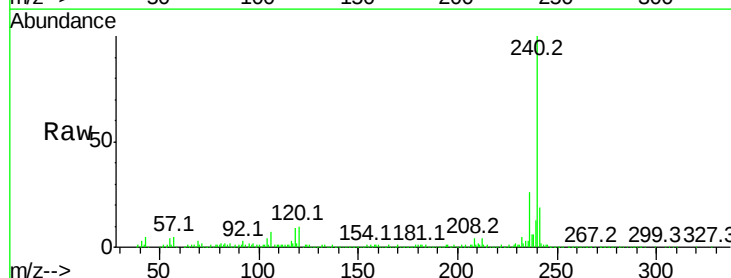
Tgt Ion:240 Resp: 443477

Ion Ratio Lower Upper

240 100

120 9.6 11.2 16.8#

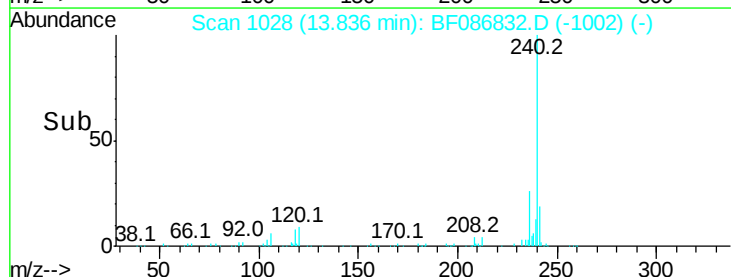
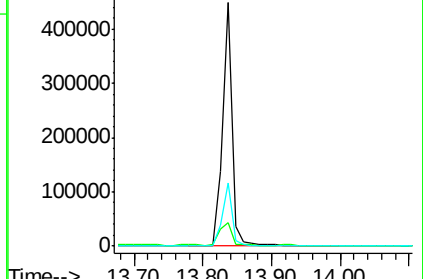
236 25.9 21.2 31.8

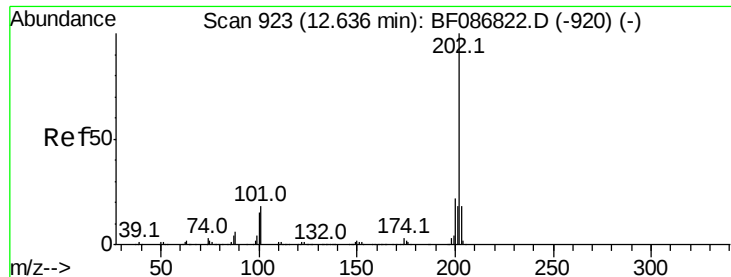


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

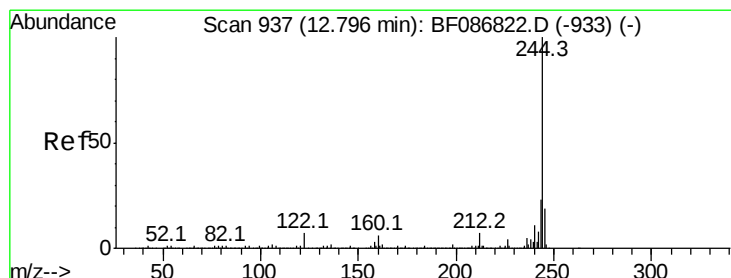
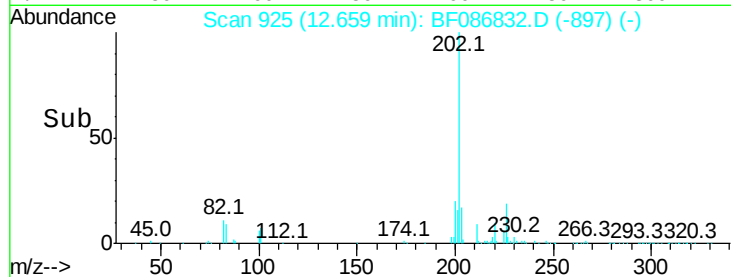
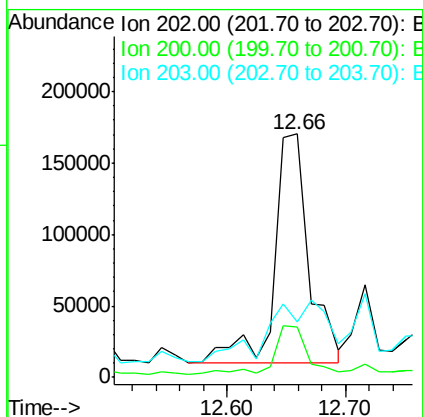
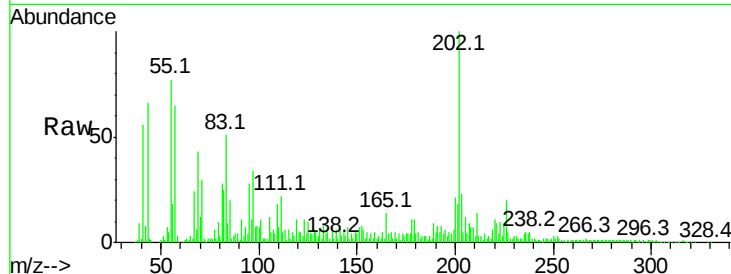




#77
Pvrene
Concen: 9.62 ng
RT: 12.66 min Scan# 925
Delta R.T. 0.02 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

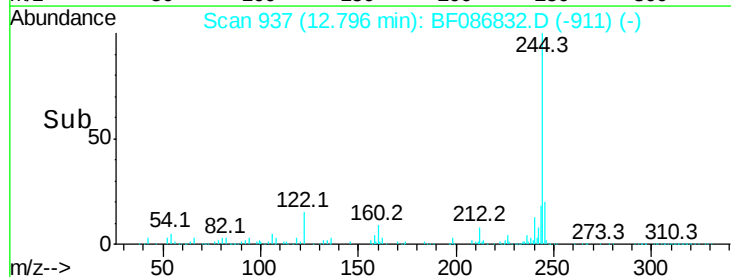
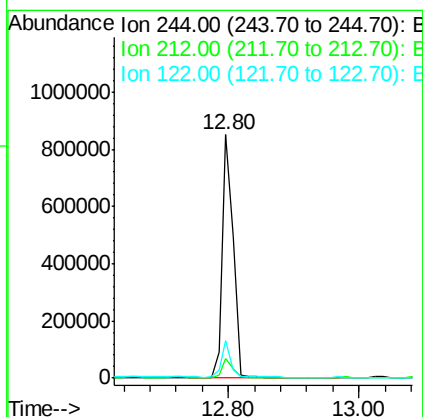
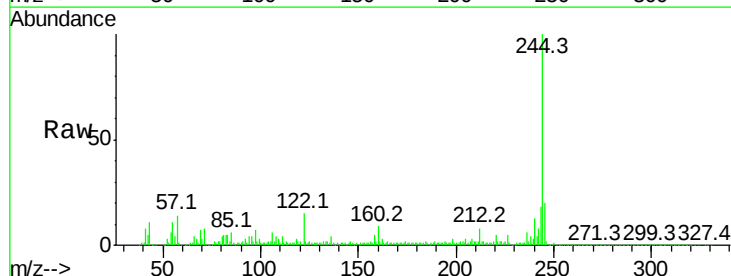
Instrument :
BNA_F
ClientSampleId :
SA(1)8

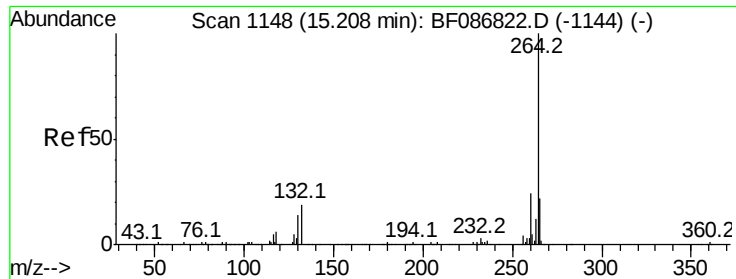
Tot Ion:202 Resp: 326577
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 22.9 14.2 21.4#



#78
Terphenyl-d14
Concen: 47.80 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF086832.D
Acq: 9 May 2016 20:39

Tgt Ion:244 Resp: 999190
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 15.3 12.0 18.0





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BF086832.D
 Acq: 9 May 2016 20:39

Instrument :
 BNA_F
 ClientSampleId :
 SA(1)8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.3	17.3	25.9

