

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085849.D
 Acq On : 29 Mar 2016 13:36
 Operator : UM/SJ
 Sample : H1834-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15DL

Quant Time: Mar 29 14:08:30 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

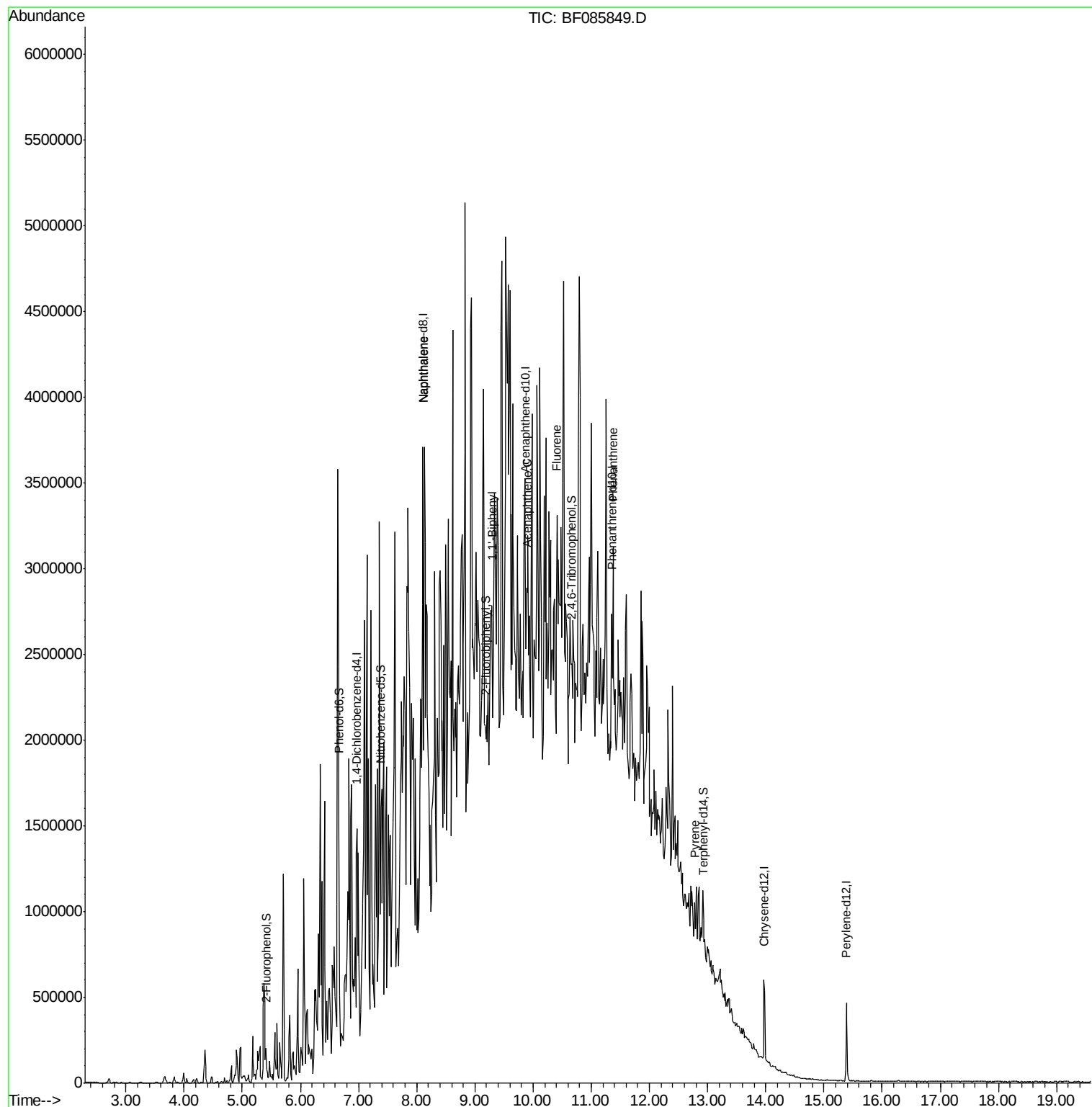
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	36792	20.00	ng	0.15
21) Naphthalene-d8	8.10	136	334563	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	156775	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	291220	20.00	ng	0.00
75) Chrysene-d12	13.98	240	220271	20.00	ng	0.00
86) Perylene-d12	15.39	264	236102	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	70976	32.13	ng	0.00
7) Phenol-d6	6.66	99	31843	11.34	ng	0.21
23) Nitrobenzene-d5	7.38	82	98462	16.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	13042	8.76	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	94105	10.03	ng	0.00
78) Terphenyl-d14	12.93	244	64261	6.00	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	1069930	63.47	ng	# 95
37) 2-Methylnaphthalene	8.84	142	1577803	Below	Cal	97
45) 1,1'-Biphenyl	9.29	154	213105	16.11	ng	94
51) Acenaphthene	9.90	154	101010	10.43	ng	# 86
57) Fluorene	10.41	166	186699	17.92	ng	# 89
70) Phenanthrene	11.37	178	593367	39.68	ng	96
77) Pyrene	12.78	202	90455	5.00	ng	# 89

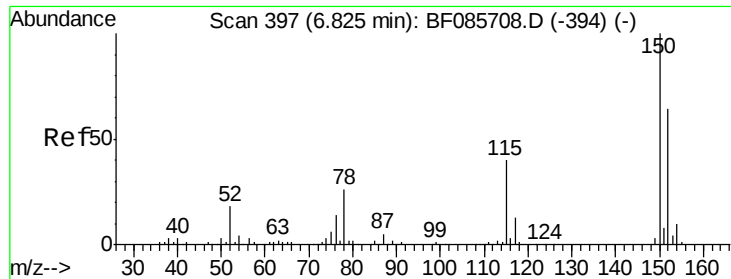
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. 0.15 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

BNA_F

ClientSampleId :

15DL

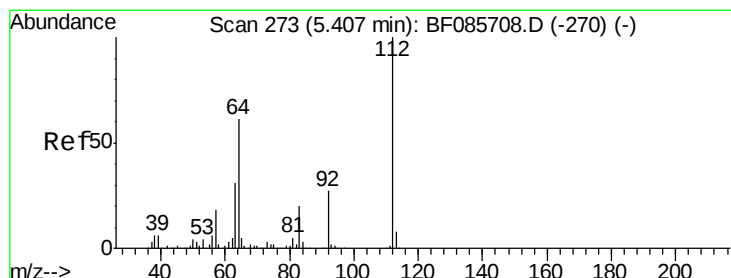
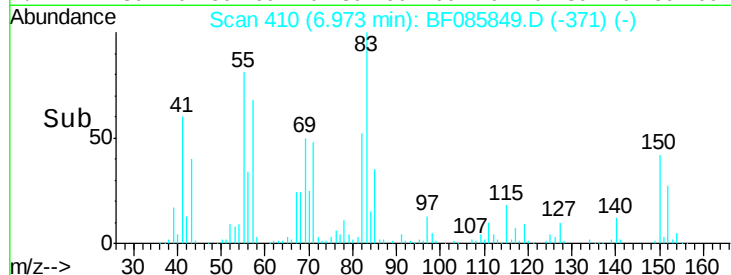
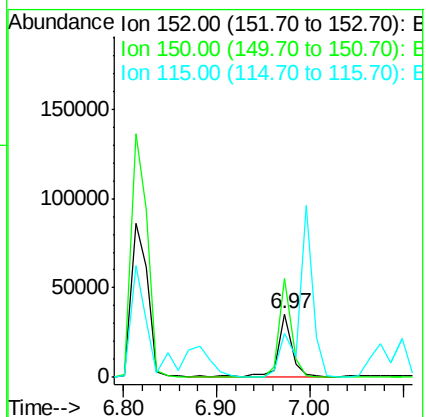
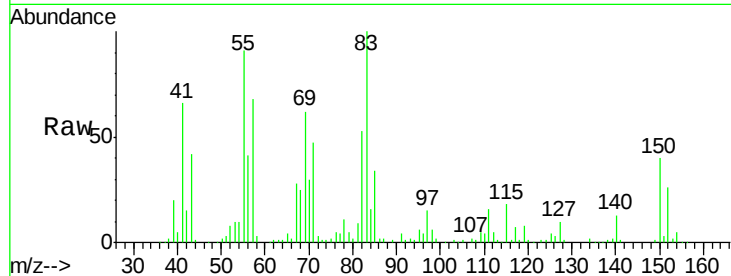
Tgt Ion:152 Resp: 36792

Ion Ratio Lower Upper

152 100

150 156.3 124.2 186.2

115 69.1 47.0 70.6



#5

2-Fluorophenol

Concen: 32.13 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

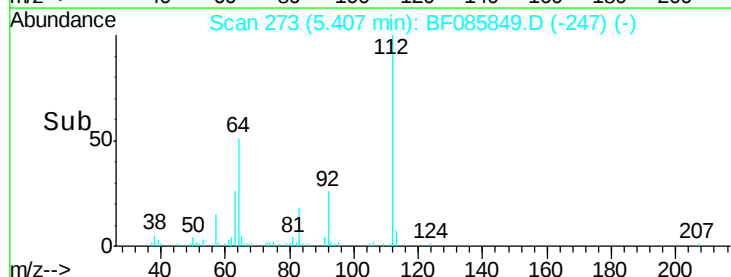
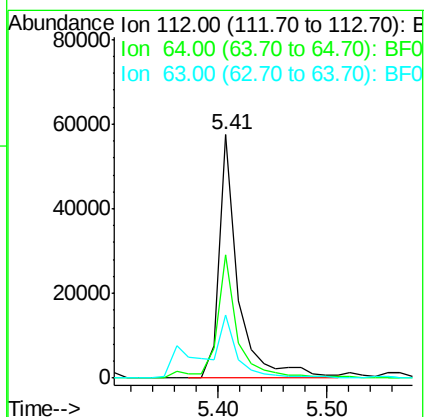
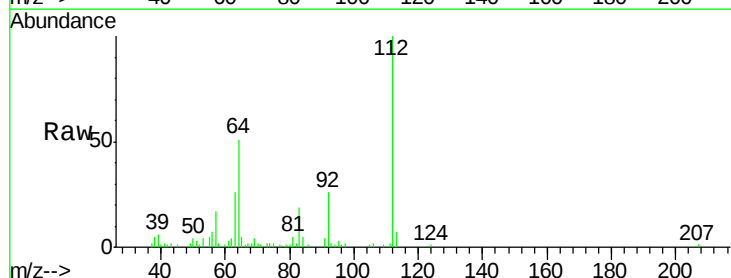
Tgt Ion:112 Resp: 70976

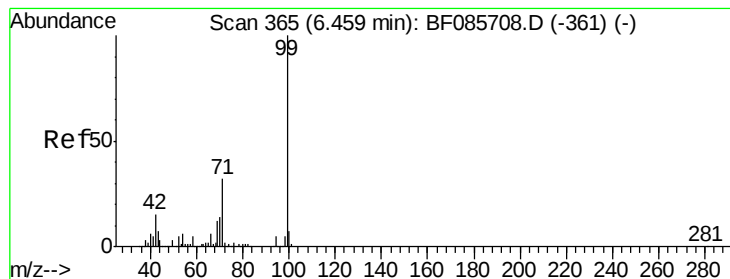
Ion Ratio Lower Upper

112 100

64 50.5 39.9 59.9

63 25.9 20.2 30.2





#7

Phenol-d6

Concen: 11.34 ng

RT: 6.66 min Scan# 383

Delta R.T. 0.21 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

BNA_F

ClientSampled :

15DL

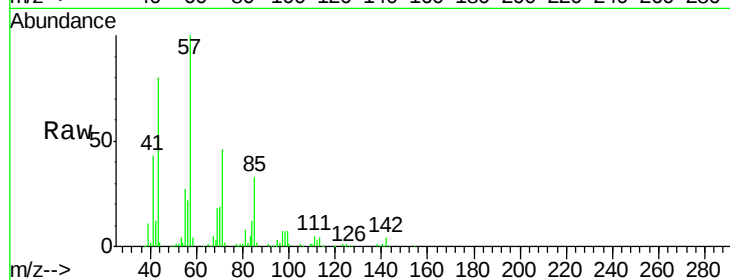
Tgt Ion: 99 Resp: 31843

Ion Ratio Lower Upper

99 100

42 178.6 11.1 16.7#

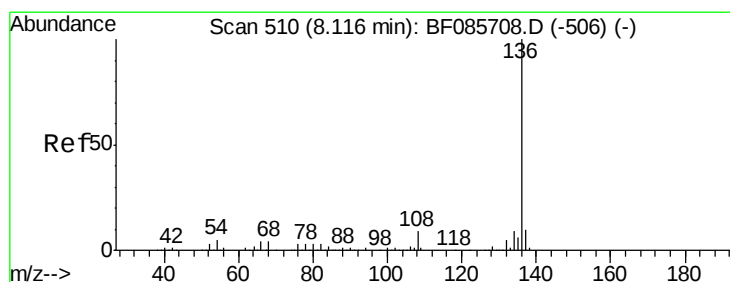
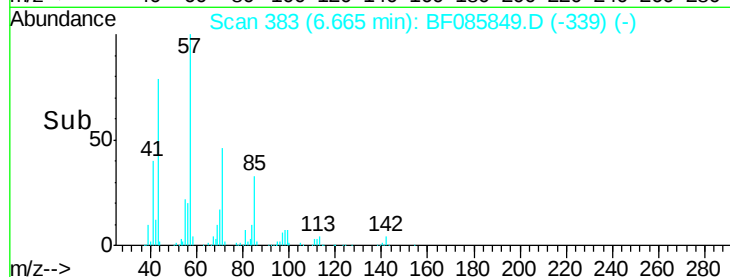
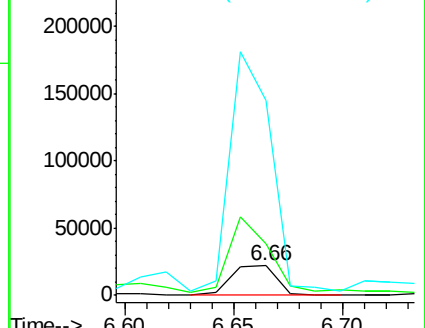
71 667.2 24.9 37.3#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Tgt Ion: 136 Resp: 334563

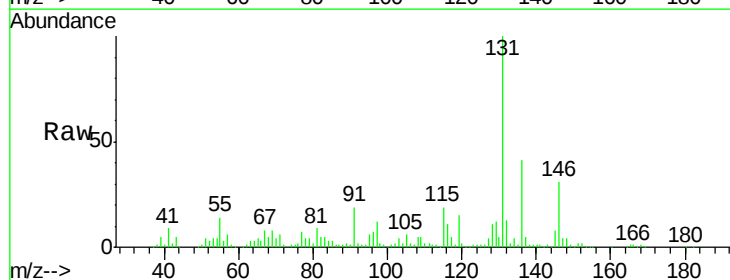
Ion Ratio Lower Upper

136 100

137 12.9 9.1 13.7

54 10.9 7.4 11.0

68 11.1 5.8 8.8#

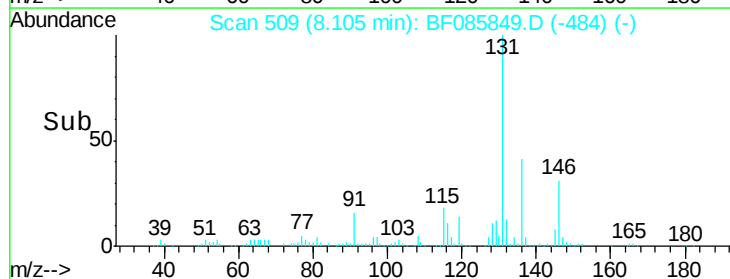
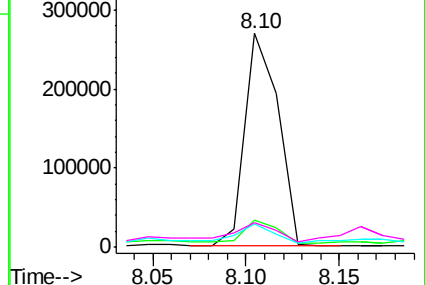


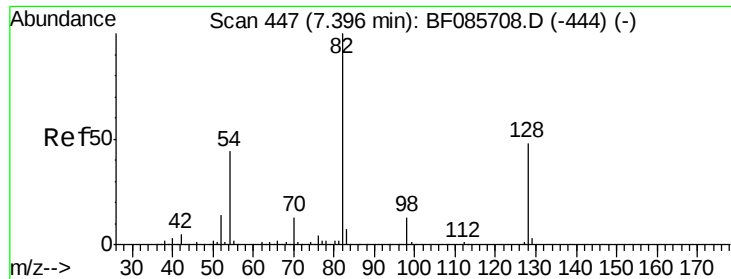
Abundance Ion 136.00 (135.70 to 136.70): E

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

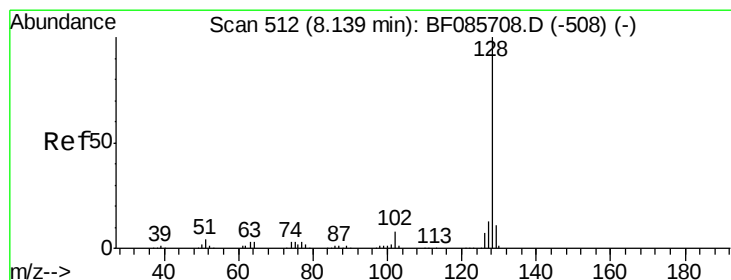
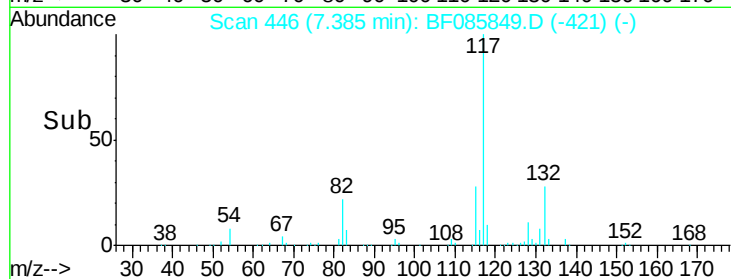
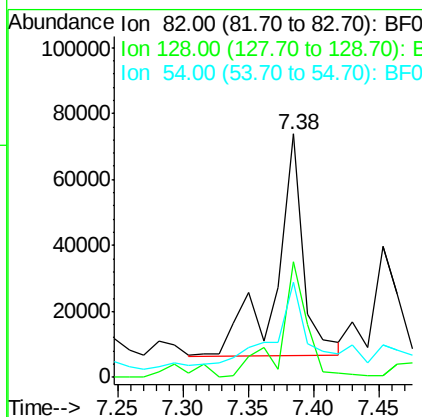
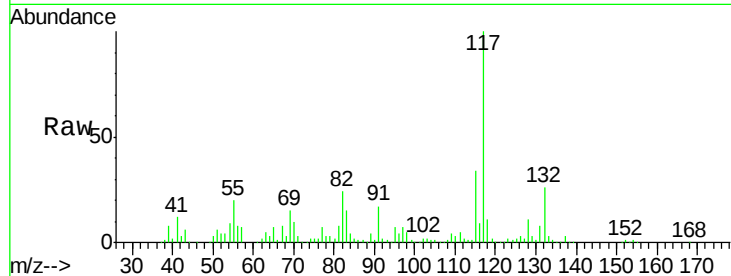




#23
 Nitrobenzene-d5
 Concen: 16.57 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085849.D
 Acq: 29 Mar 2016 13:36

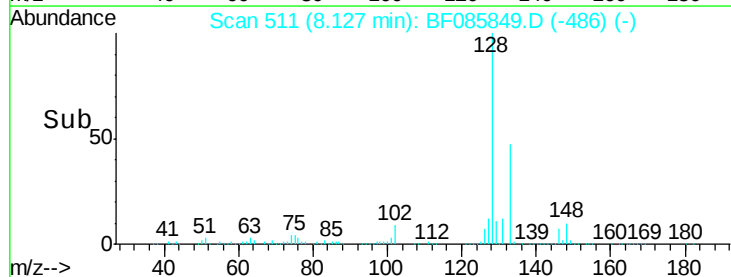
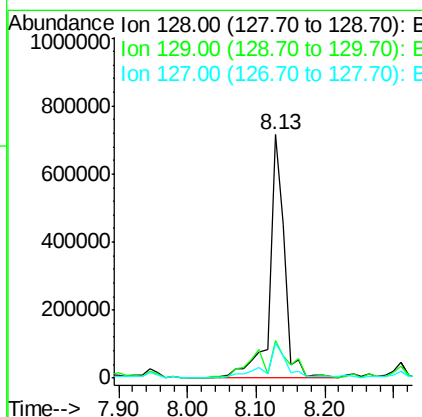
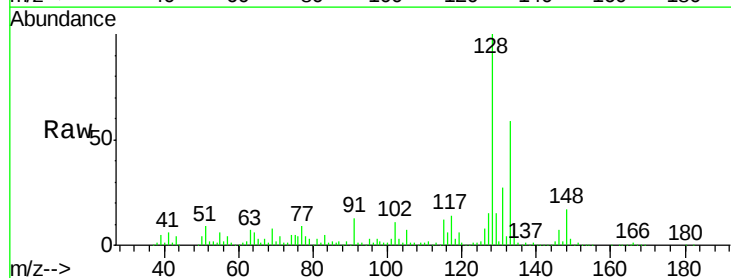
Instrument :
 BNA_F
 ClientSampled :
 15DL

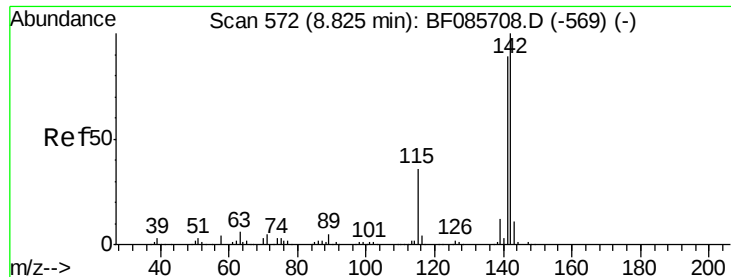
Tgt Ion: 82 Resp: 98462
 Ion Ratio Lower Upper
 82 100
 128 47.6 41.8 62.8
 54 39.1 33.4 50.0



#31
 Naphthalene
 Concen: 63.47 ng
 RT: 8.13 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: BF085849.D
 Acq: 29 Mar 2016 13:36

Tgt Ion: 128 Resp: 1069930
 Ion Ratio Lower Upper
 128 100
 129 15.4 9.4 14.0#
 127 14.6 11.0 16.6

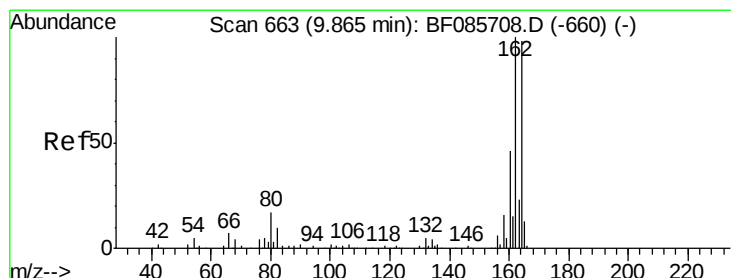
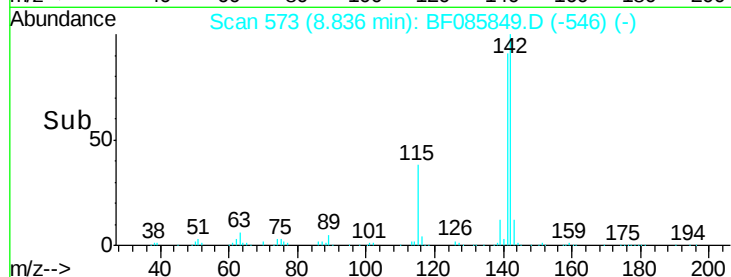
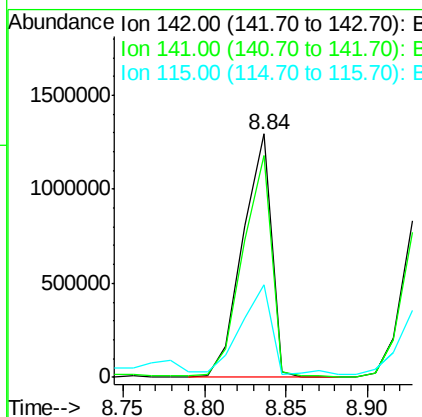
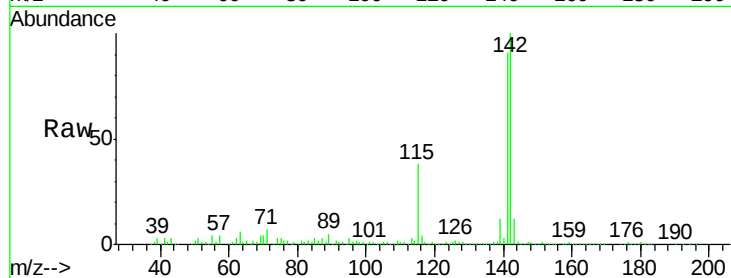




#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.84 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF085849.D
Acq: 29 Mar 2016 13:36

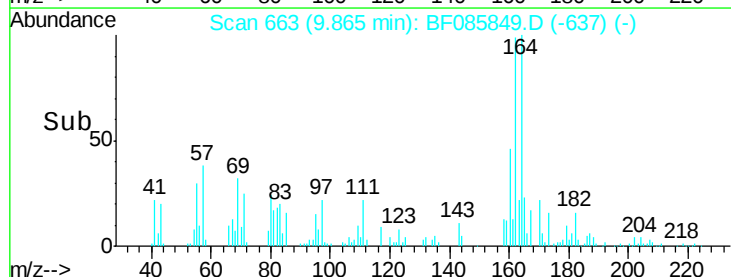
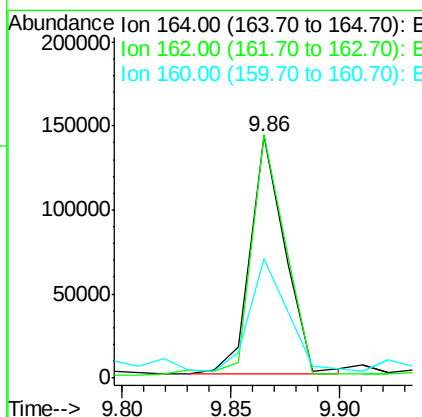
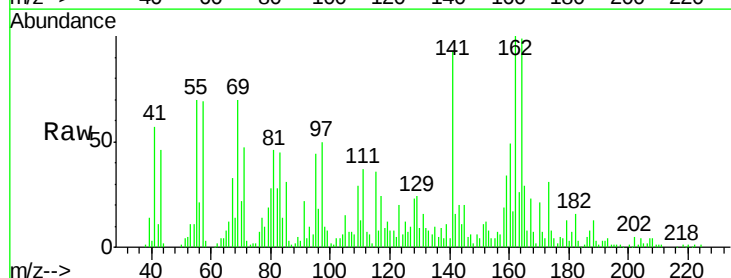
Instrument :
BNA_F
ClientSampleId :
15DL

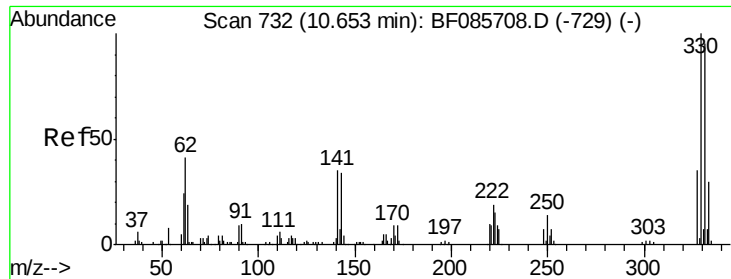
Tgt Ion:142 Resp: 1577803
Ion Ratio Lower Upper
142 100
141 90.9 71.6 107.4
115 38.2 26.8 40.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF085849.D
Acq: 29 Mar 2016 13:36

Tgt Ion:164 Resp: 156775
Ion Ratio Lower Upper
164 100
162 100.5 82.1 123.1
160 49.5 37.4 56.2

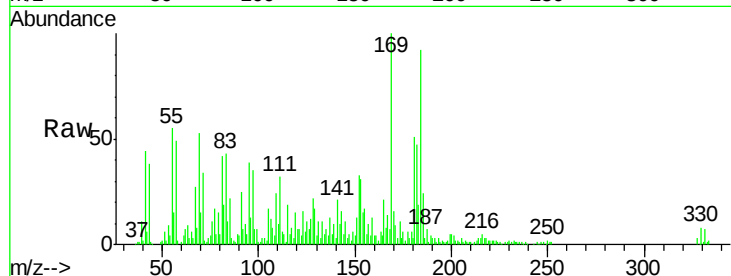




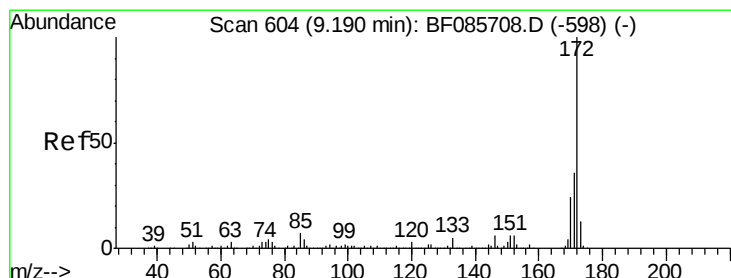
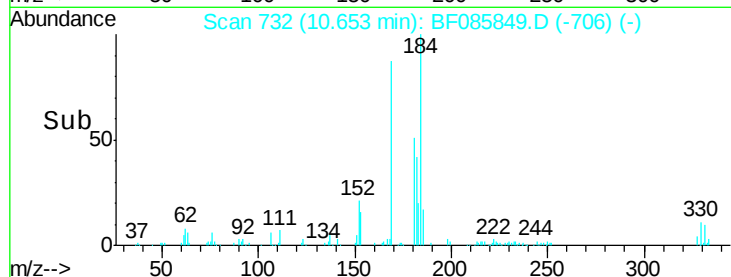
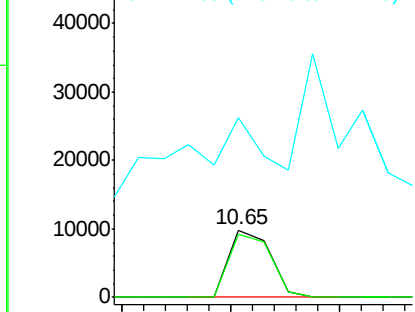
#41
 2,4,6-Tribromophenol
 Concen: 8.76 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085849.D
 Acq: 29 Mar 2016 13:36

Instrument :
 BNA_F
 ClientSampleId :
 15DL

Tgt Ion:330 Resp: 13042
 Ion Ratio Lower Upper
 330 100
 332 95.0 78.2 117.2
 141 0.0 31.5 47.3#

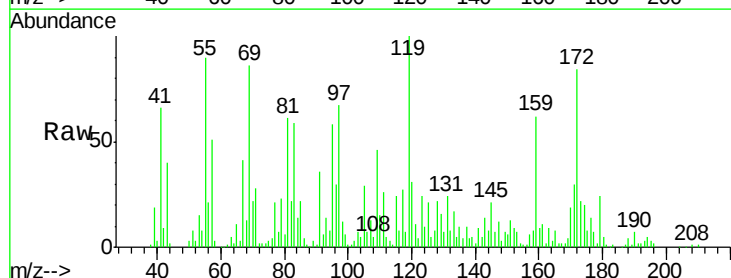


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

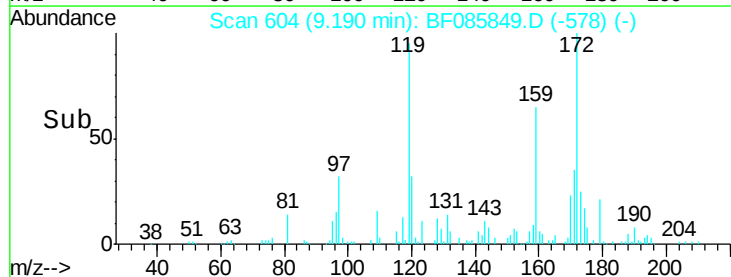
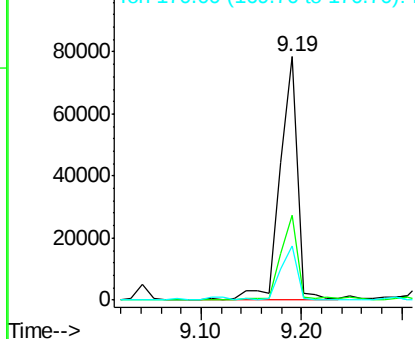


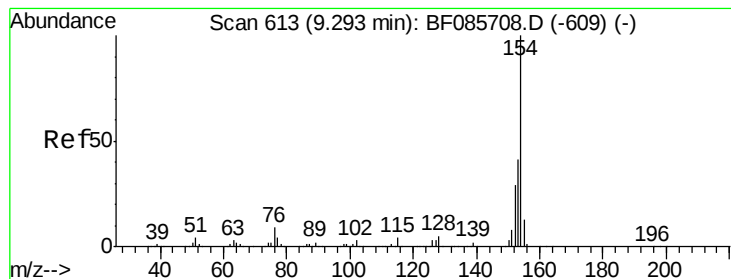
#44
 2-Fluorobiphenyl
 Concen: 10.03 ng
 RT: 9.19 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085849.D
 Acq: 29 Mar 2016 13:36

Tgt Ion:172 Resp: 94105
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.2
 170 22.5 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





#45

1,1'-Biphenyl

Concen: 16.11 ng

RT: 9.29 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

BNA_F

ClientSampleId :

15DL

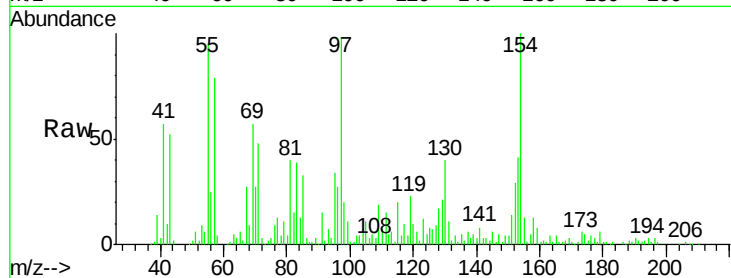
Tgt Ion:154 Resp: 213105

Ion Ratio Lower Upper

154 100

153 41.1 20.8 60.8

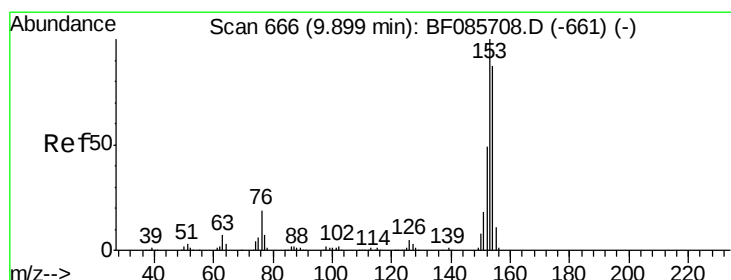
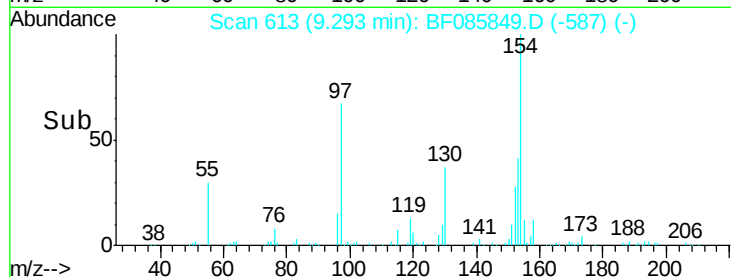
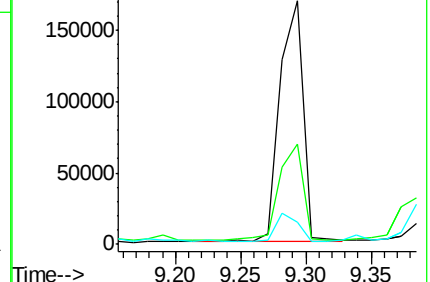
76 8.9 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 10.43 ng

RT: 9.90 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

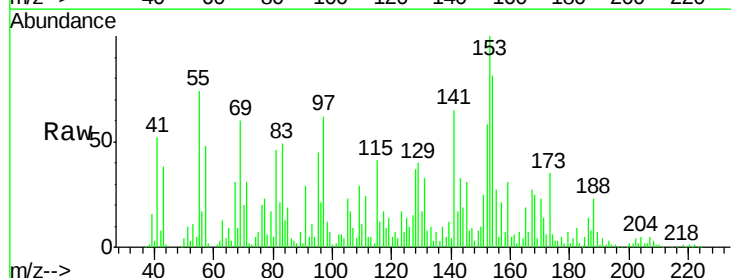
Tgt Ion:154 Resp: 101010

Ion Ratio Lower Upper

154 100

153 123.2 90.1 135.1

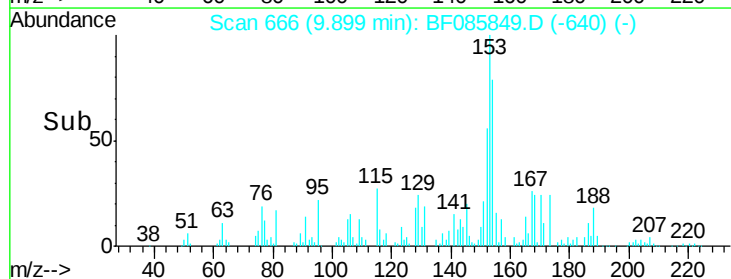
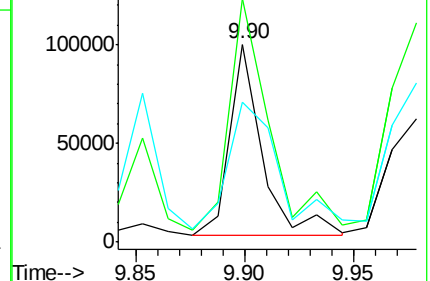
152 70.9 44.2 66.2#

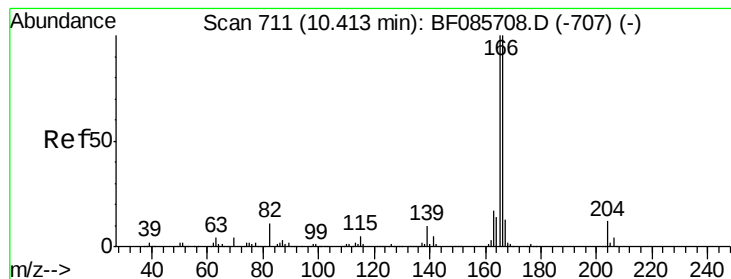


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 17.92 ng

RT: 10.41 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

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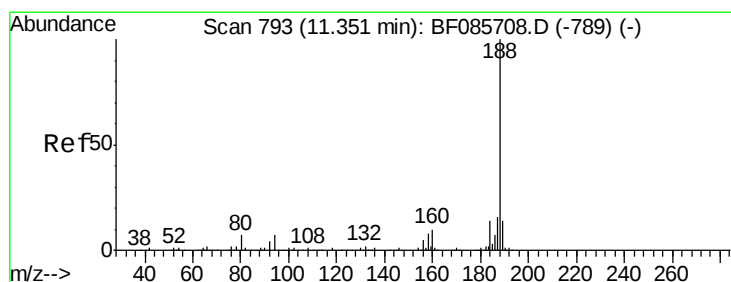
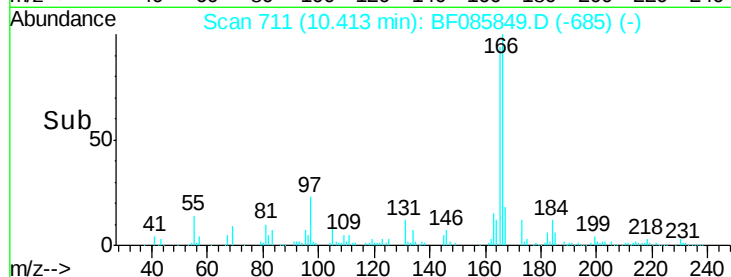
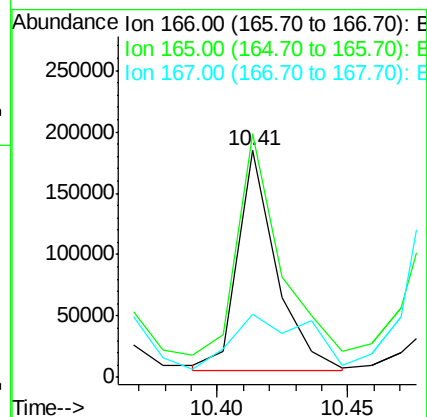
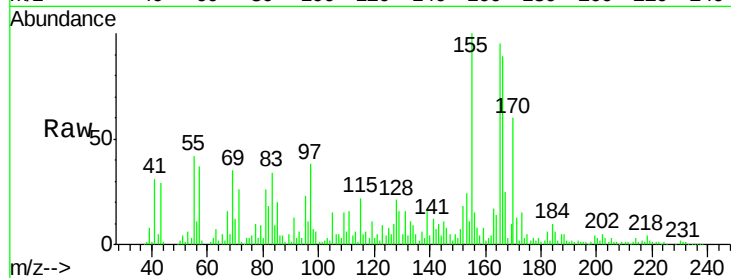
Tgt Ion:166 Resp: 186699

Ion Ratio Lower Upper

166 100

165 107.4 79.4 119.0

167 27.8 11.0 16.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

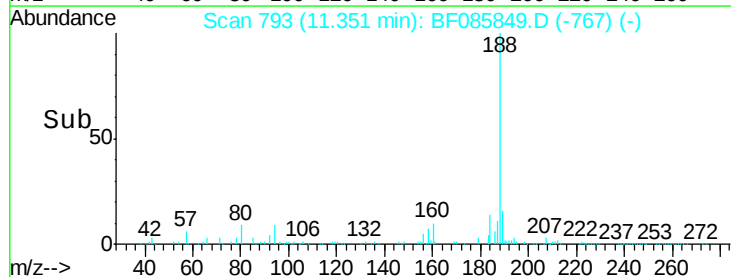
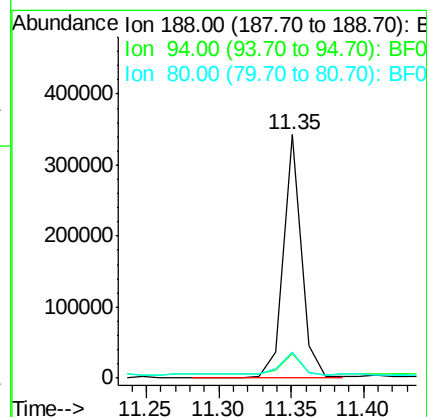
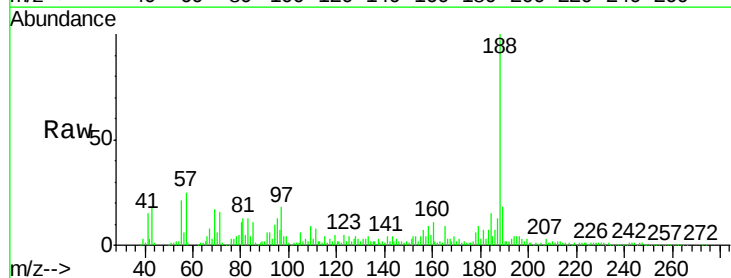
Tgt Ion:188 Resp: 291220

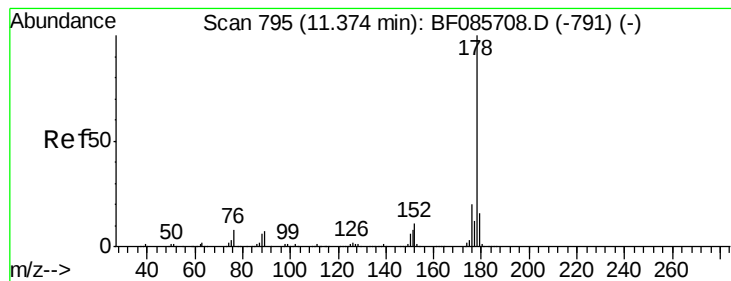
Ion Ratio Lower Upper

188 100

94 10.4 5.4 8.0#

80 10.8 5.5 8.3#





#70

Phenanthrene

Concen: 39.68 ng

RT: 11.37 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

BNA_F

ClientSampleId :

15DL

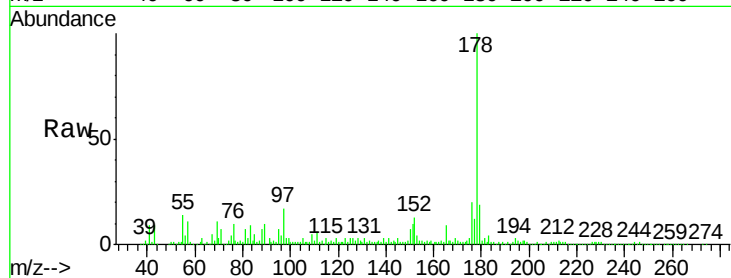
Tgt Ion:178 Resp: 593367

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

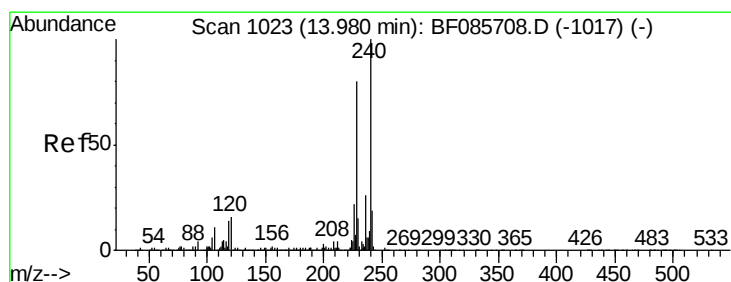
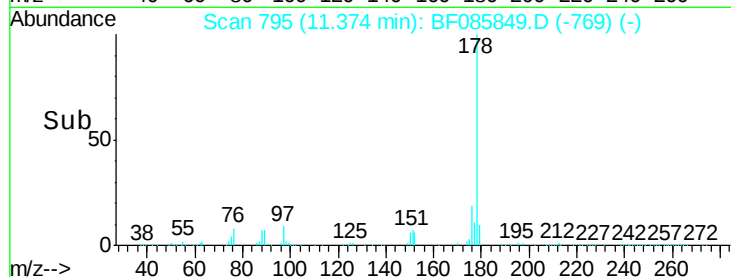
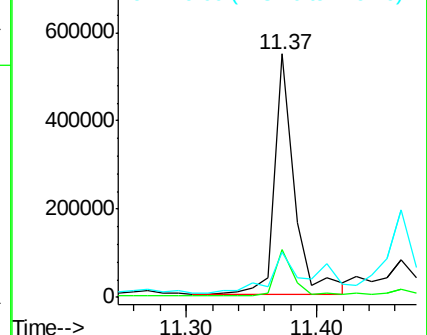
179 18.7 12.6 18.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

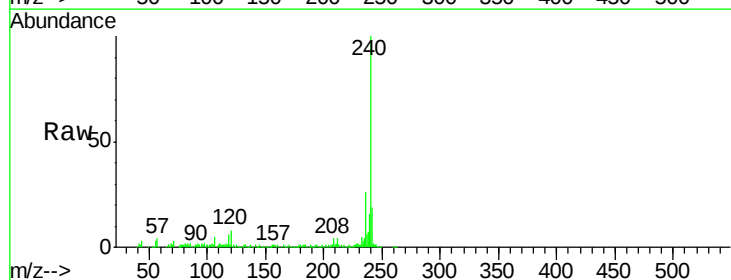
Tgt Ion:240 Resp: 220271

Ion Ratio Lower Upper

240 100

120 7.7 13.8 20.8#

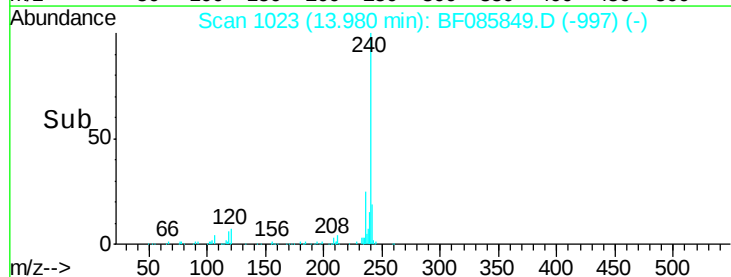
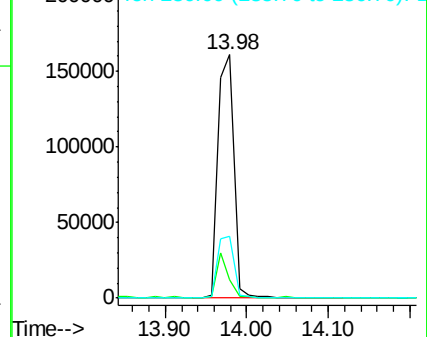
236 25.6 20.6 30.8

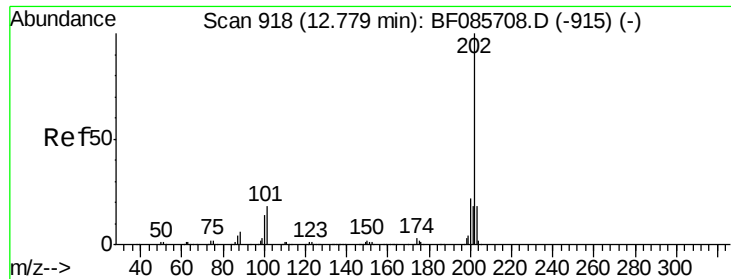


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.00 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

Instrument :

BNA_F

ClientSampleId :

15DL

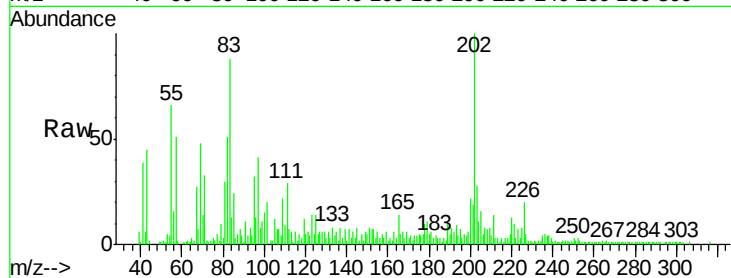
Tgt Ion:202 Resp: 90455

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

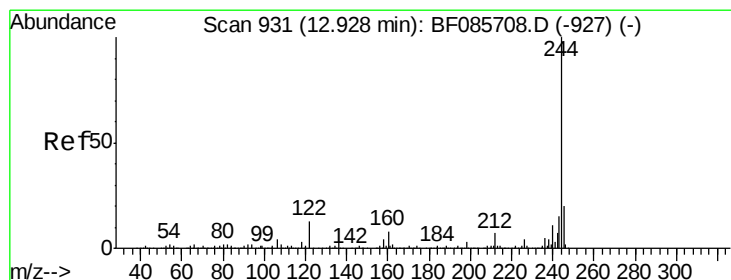
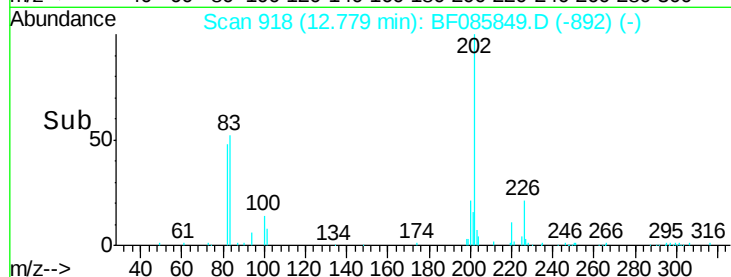
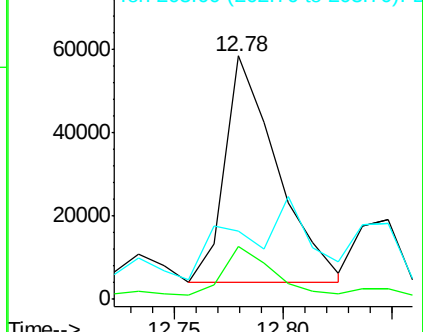
203 28.1 14.0 21.0#



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: 6.00 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085849.D

Acq: 29 Mar 2016 13:36

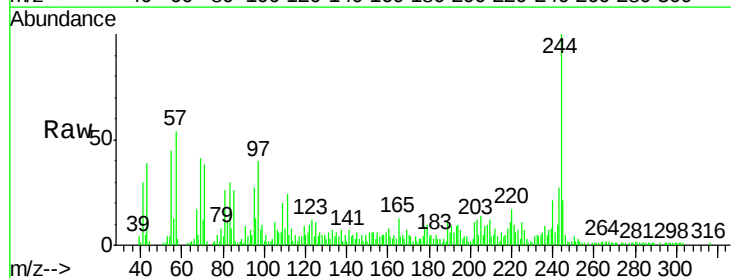
Tgt Ion:244 Resp: 64261

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

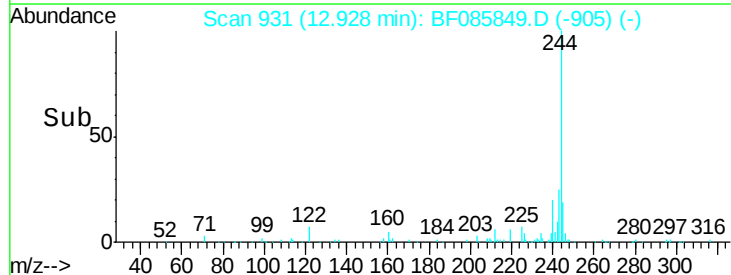
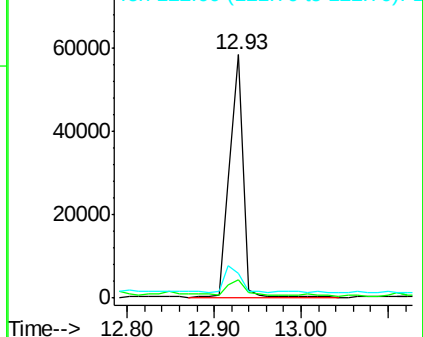
122 10.2 10.2 15.4#

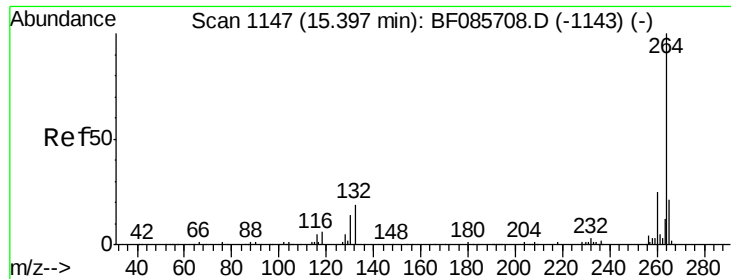


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

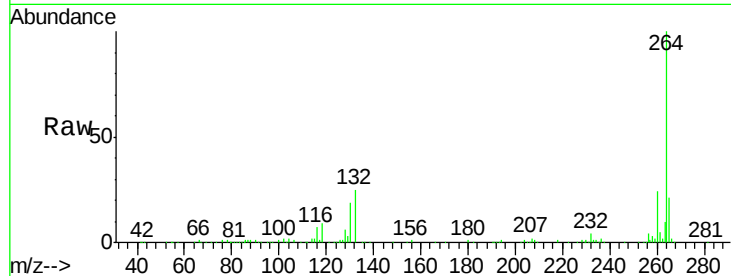




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085849.D
Acq: 29 Mar 2016 13:36

Instrument :
BNA_F
ClientSampleId :
15DL

Tgt Ion: 264 Resp: 236102
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.1 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

