

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085839.D
 Acq On : 29 Mar 2016 8:56
 Operator : UM/SJ
 Sample : H1834-07
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7

Quant Time: Mar 29 11:32:49 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

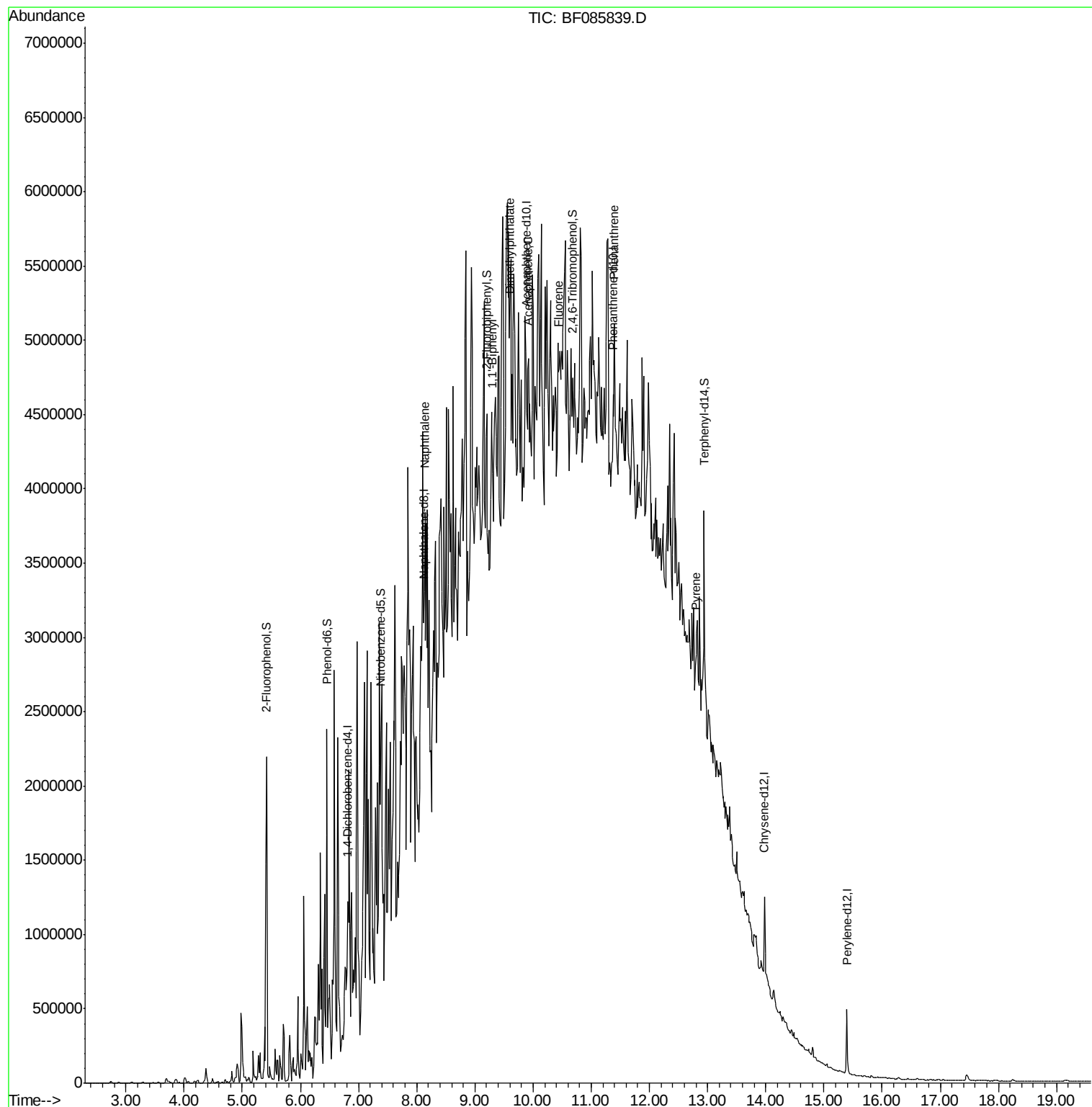
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109361	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	323372	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	124855	20.00	ng	0.01
63) Phenanthrene-d10	11.37	188	215809	20.00	ng	0.02
75) Chrysene-d12	13.98	240	195923	20.00	ng	0.00
86) Perylene-d12	15.40	264	216384	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	841433	128.14	ng	0.01
7) Phenol-d6	6.46	99	1070733	128.25	ng	0.00
23) Nitrobenzene-d5	7.38	82	575321	100.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	163332	137.69	ng	0.02
44) 2-Fluorobiphenyl	9.20	172	783081	104.79	ng	0.01
78) Terphenyl-d14	12.94	244	534214	56.08	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	586531	36.00	ng	# 84
45) 1,1'-Biphenyl	9.29	154	167516	15.90	ng	95
49) Dimethylphthalate	9.59	163	126332	13.34	ng	# 81
51) Acenaphthene	9.91	154	136230	17.67	ng	# 85
57) Fluorene	10.44	166	260317	31.38	ng	# 88
70) Phenanthrene	11.40	178	748684	67.56	ng	# 95
77) Pyrene	12.80	202	172064	10.68	ng	# 91

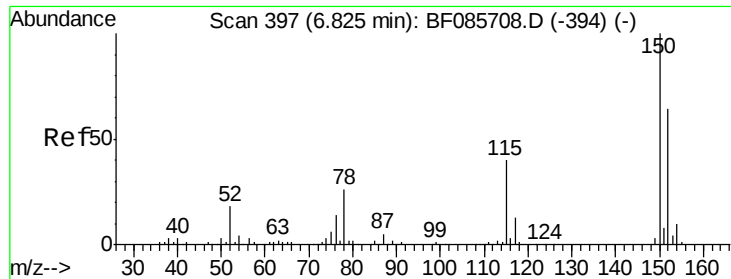
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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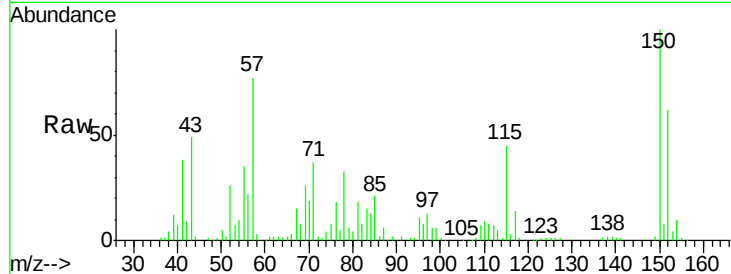


#1

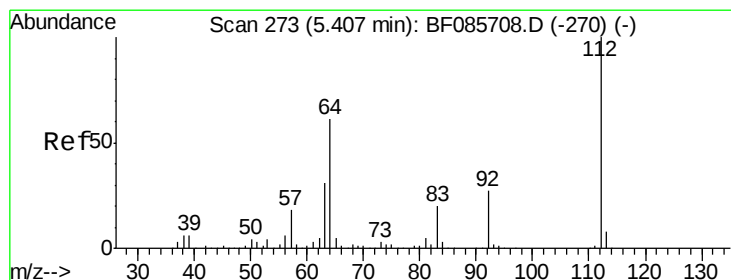
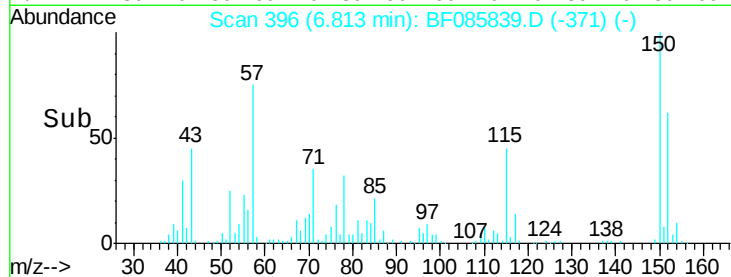
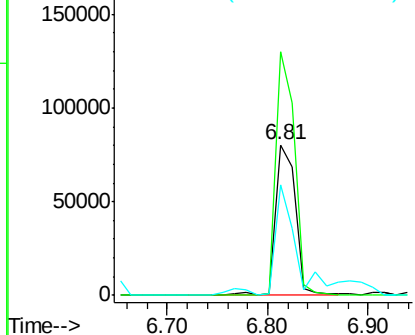
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF085839.D
Acq: 29 Mar 2016 8:56

Instrument :
BNA_F
ClientSampleId :
7

Tgt Ion:152 Resp: 109361
Ion Ratio Lower Upper
152 100
150 161.6 124.2 186.2
115 73.3 47.0 70.6#



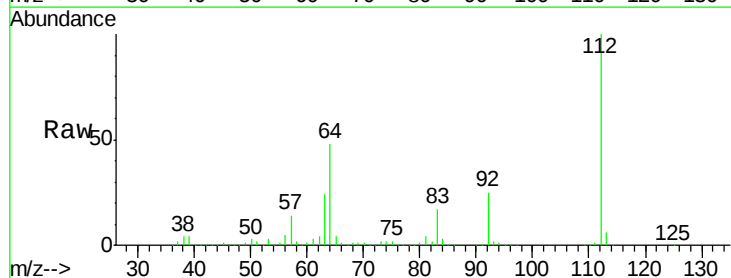
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



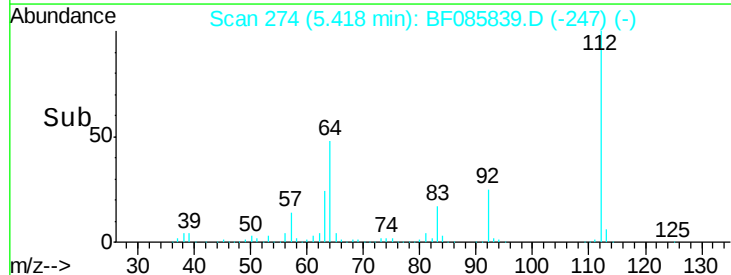
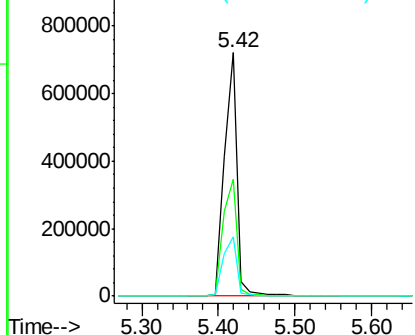
#5

2-Fluorophenol
Concen: 128.14 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085839.D
Acq: 29 Mar 2016 8:56

Tgt Ion:112 Resp: 841433
Ion Ratio Lower Upper
112 100
64 48.1 39.9 59.9
63 24.4 20.2 30.2



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: 128.25 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

Instrument :

BNA_F

ClientSampleId :

7

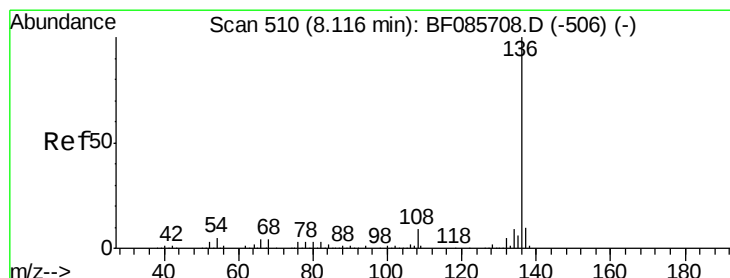
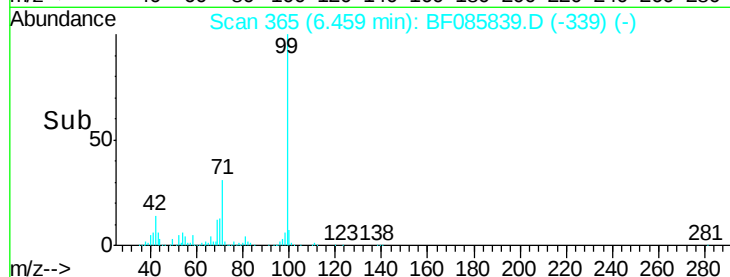
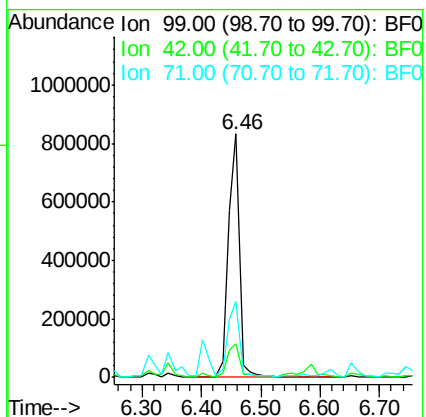
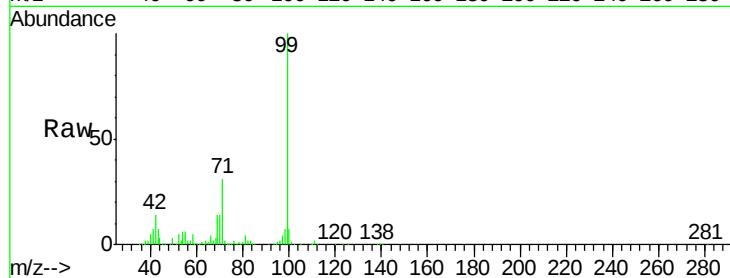
Tgt Ion: 99 Resp: 1070733

Ion Ratio Lower Upper

99 100

42 13.9 11.1 16.7

71 31.4 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

Tgt Ion: 136 Resp: 323372

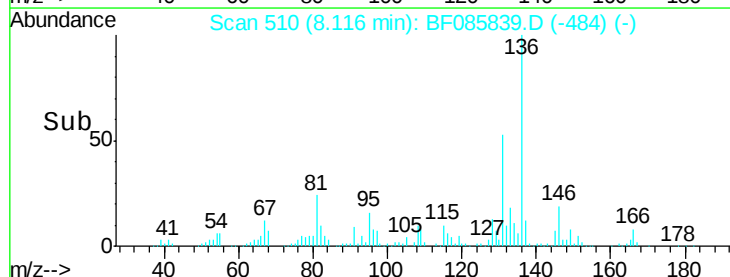
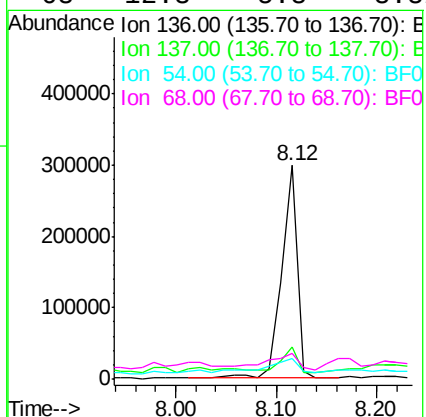
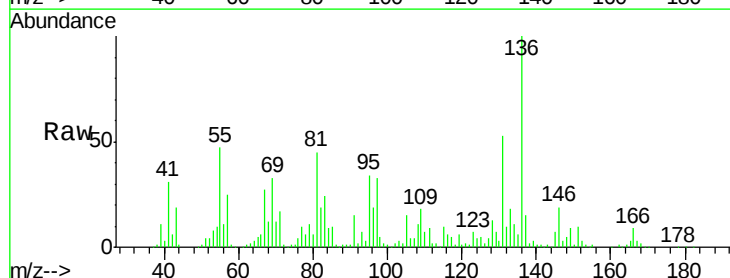
Ion Ratio Lower Upper

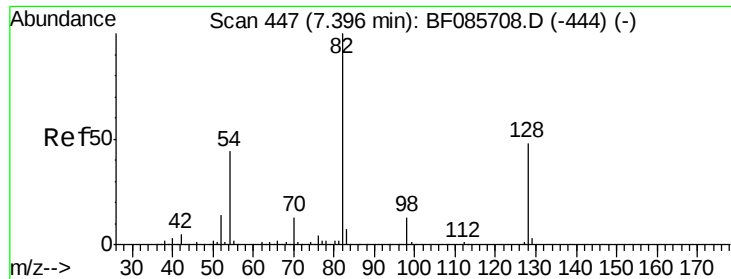
136 100

137 14.9 9.1 13.7#

54 9.6 7.4 11.0

68 12.3 5.8 8.8#

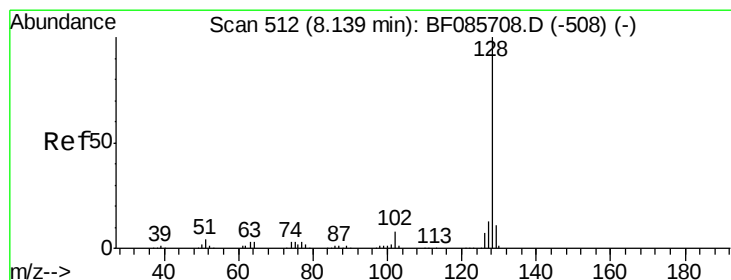
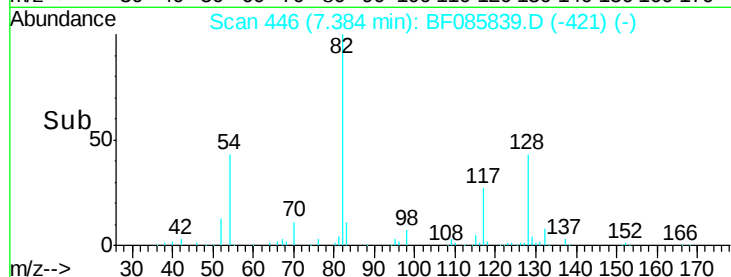
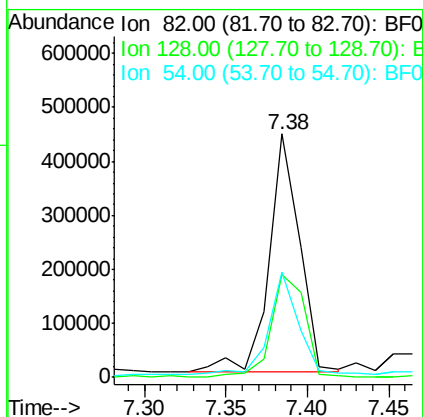
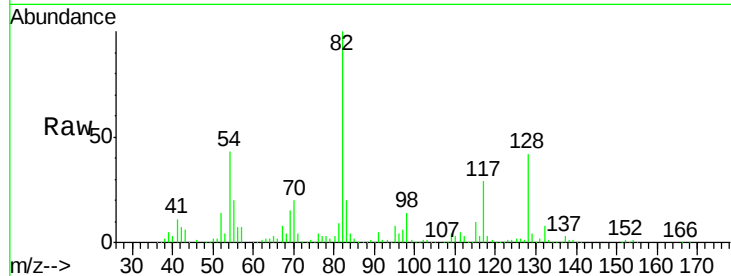




#23
Nitrobenzene-d5
Concen: 100.19 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085839.D
Acq: 29 Mar 2016 8:56

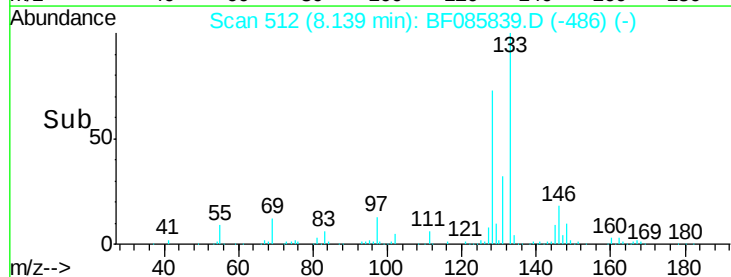
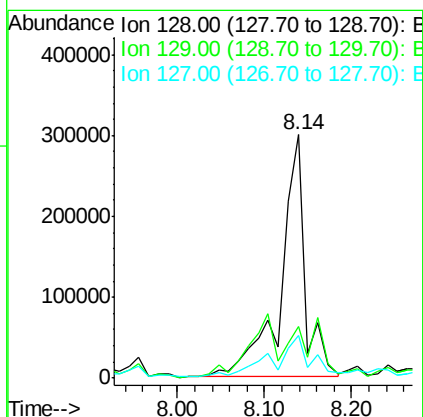
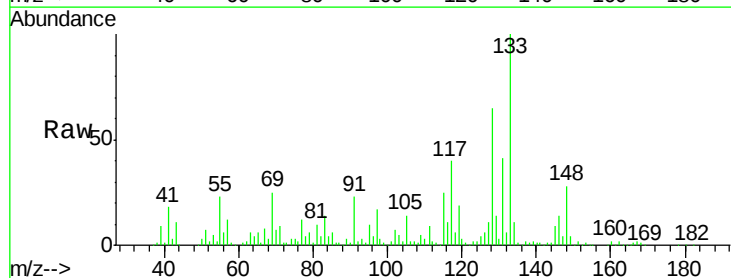
Instrument :
BNA_F
ClientSampleId :
7

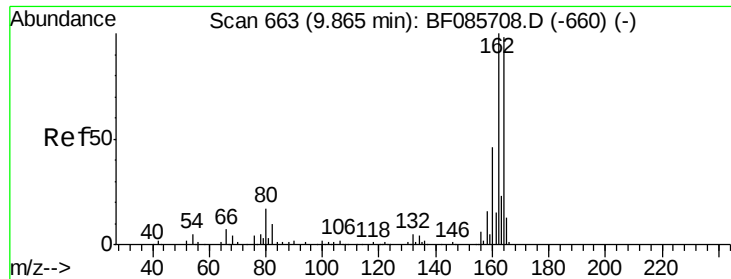
Tgt Ion: 82 Resp: 575321
Ion Ratio Lower Upper
82 100
128 42.3 41.8 62.8
54 43.1 33.4 50.0



#31
Naphthalene
Concen: 36.00 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.00 min
Lab File: BF085839.D
Acq: 29 Mar 2016 8:56

Tgt Ion: 128 Resp: 586531
Ion Ratio Lower Upper
128 100
129 21.1 9.4 14.0#
127 17.3 11.0 16.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.01 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

Instrument :

BNA_F

ClientSampleId :

7

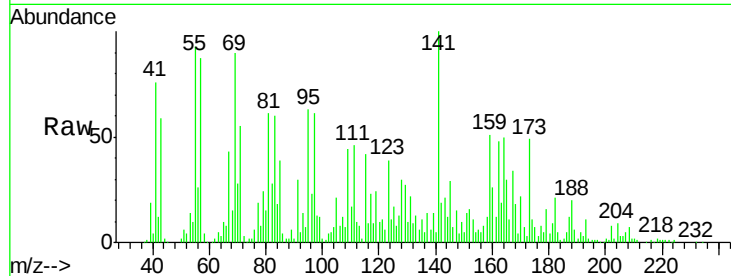
Tgt Ion:164 Resp: 124855

Ion Ratio Lower Upper

164 100

162 95.2 82.1 123.1

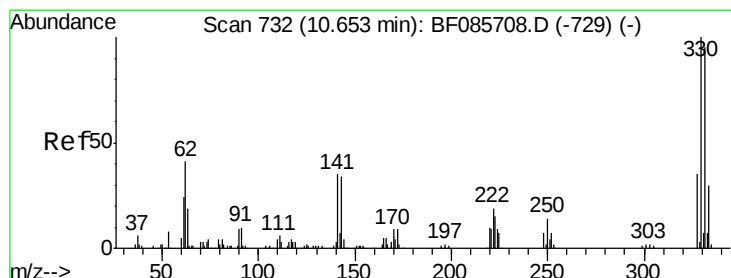
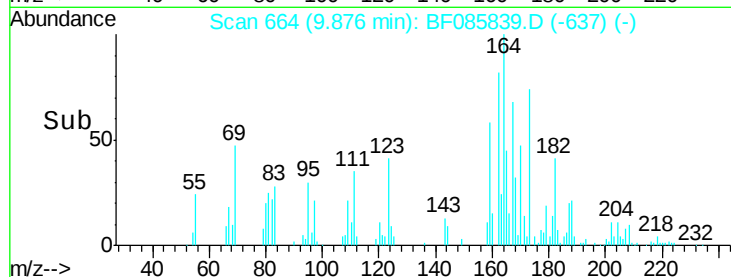
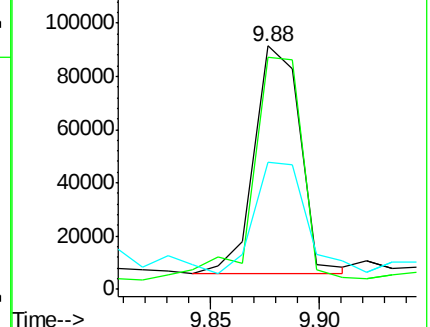
160 52.1 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 137.69 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

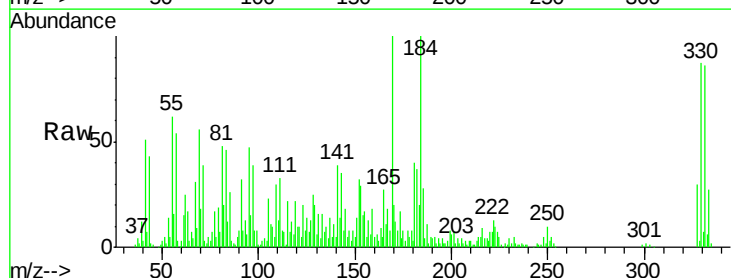
Tgt Ion:330 Resp: 163332

Ion Ratio Lower Upper

330 100

332 99.6 78.2 117.2

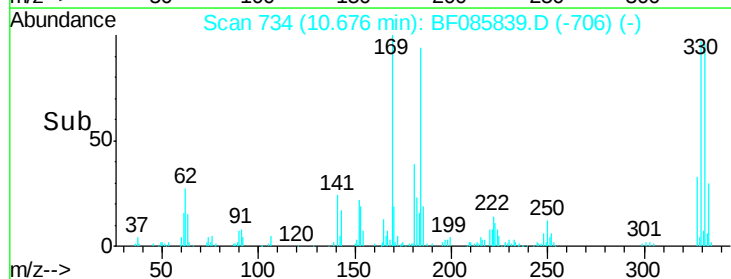
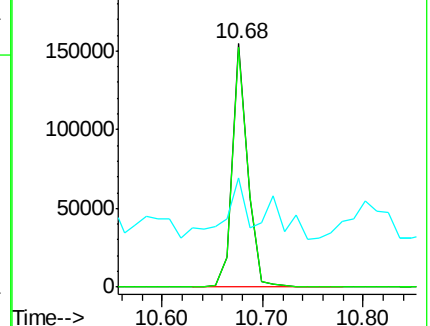
141 37.5 31.5 47.3

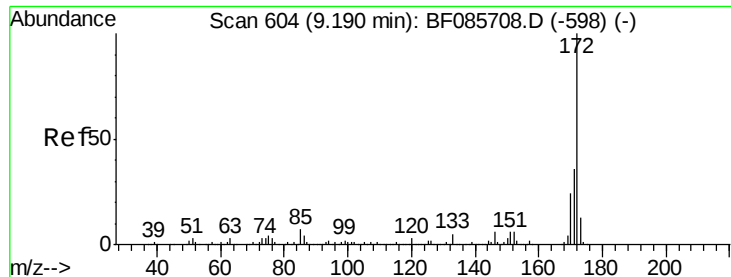


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

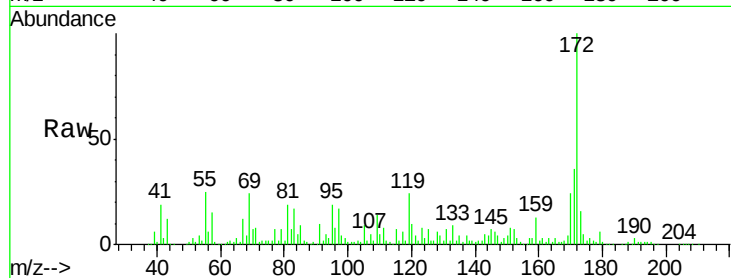




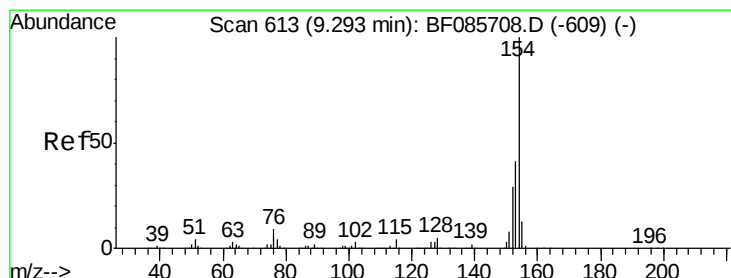
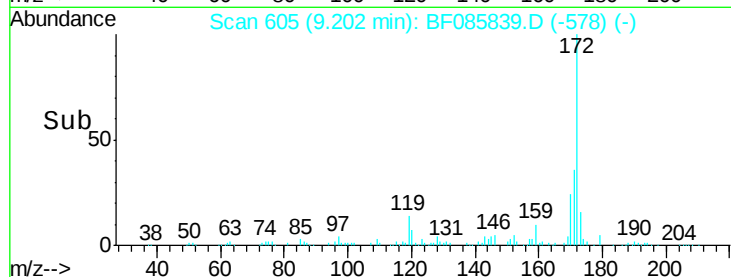
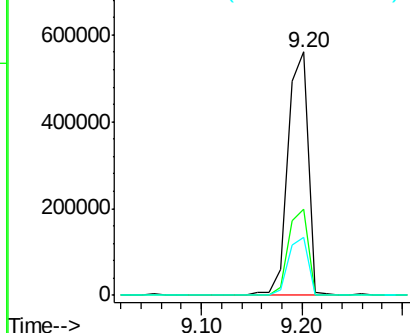
#44
 2-Fluorobiphenyl
 Concen: 104.79 ng
 RT: 9.20 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: BF085839.D
 Acq: 29 Mar 2016 8:56

Instrument :
 BNA_F
 ClientSampleId :
 7

Tgt Ion:172 Resp: 783081
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.2
 170 23.6 19.8 29.6

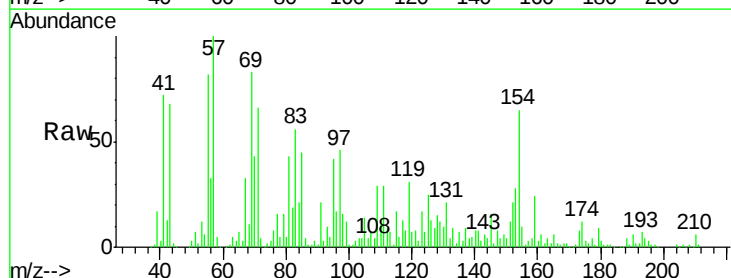


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

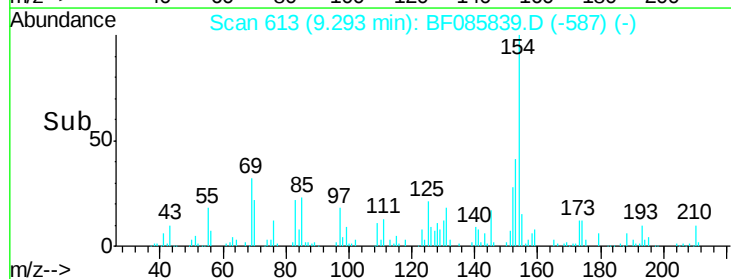
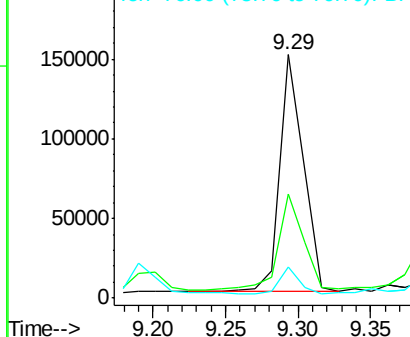


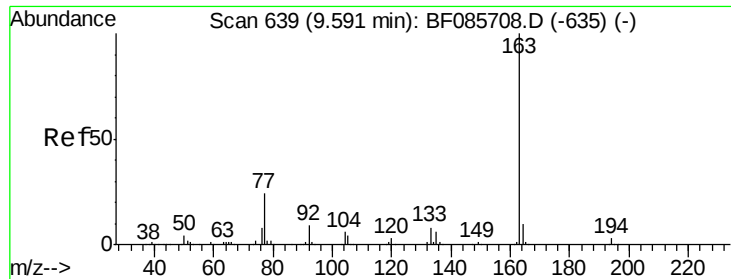
#45
 1,1'-Biphenyl
 Concen: 15.90 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF085839.D
 Acq: 29 Mar 2016 8:56

Tgt Ion:154 Resp: 167516
 Ion Ratio Lower Upper
 154 100
 153 42.8 20.8 60.8
 76 12.8 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





#49

Dimethylphthalate

Concen: 13.34 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.00 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

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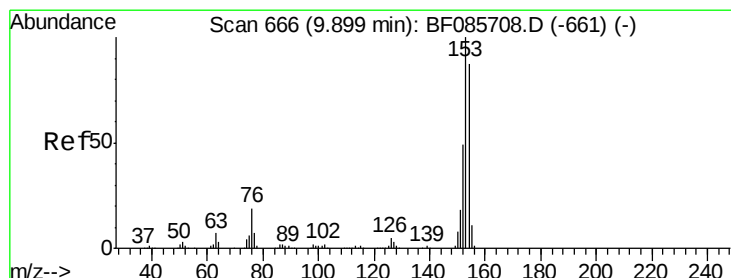
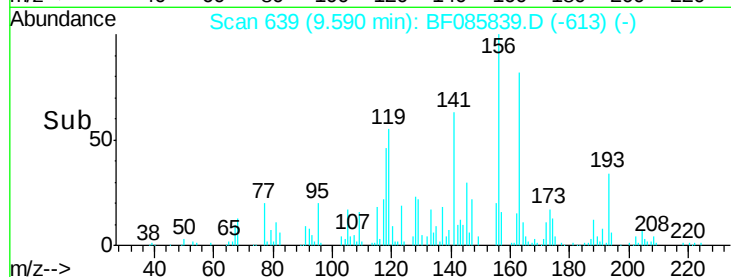
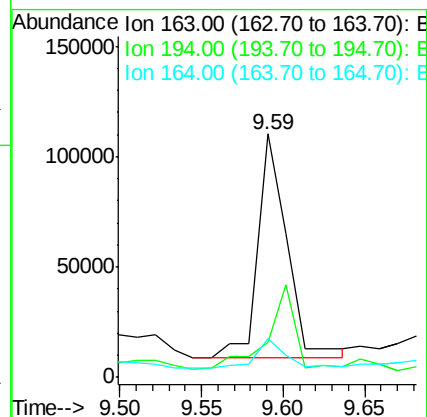
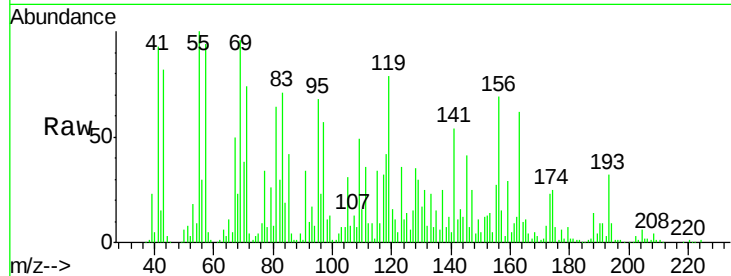
Tgt Ion:163 Resp: 126332

Ion Ratio Lower Upper

163 100

194 14.3 2.9 4.3#

164 15.9 8.3 12.5#



#51

Acenaphthene

Concen: 17.67 ng

RT: 9.91 min Scan# 667

Delta R.T. 0.01 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

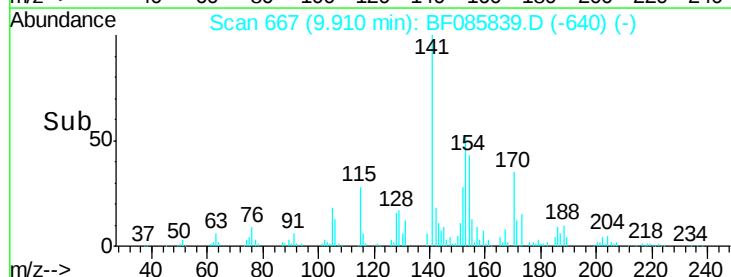
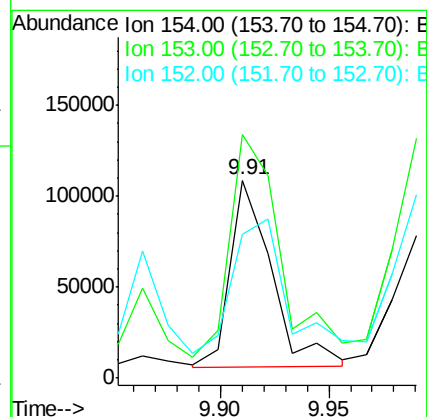
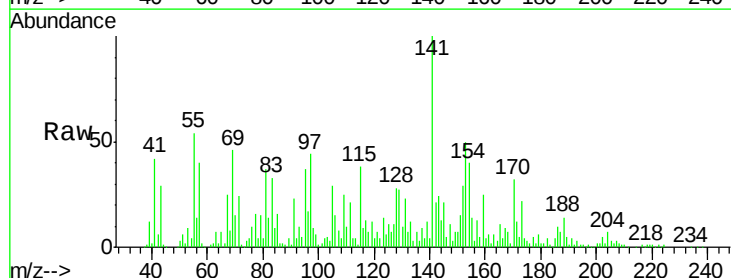
Tgt Ion:154 Resp: 136230

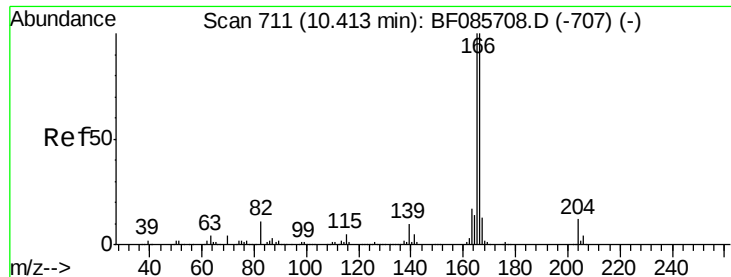
Ion Ratio Lower Upper

154 100

153 123.1 90.1 135.1

152 72.8 44.2 66.2#





#57

Fluorene

Concen: 31.38 ng

RT: 10.44 min Scan# 713

Delta R.T. 0.02 min

Lab File: BF085839.D

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ClientSampled :

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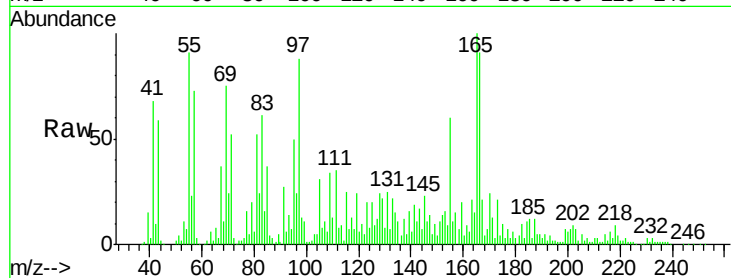
Tgt Ion:166 Resp: 260317

Ion Ratio Lower Upper

166 100

165 109.5 79.4 119.0

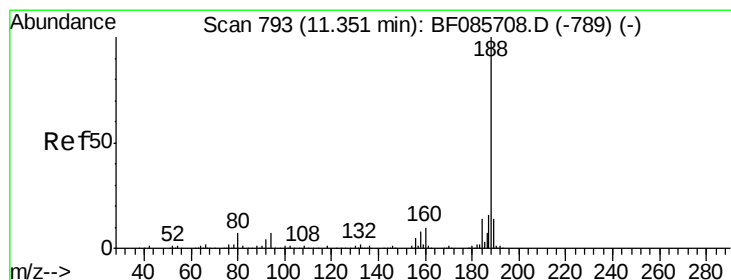
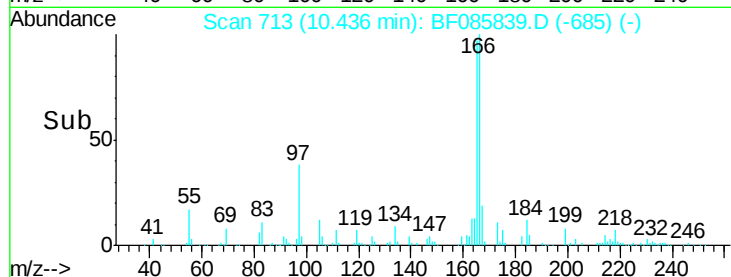
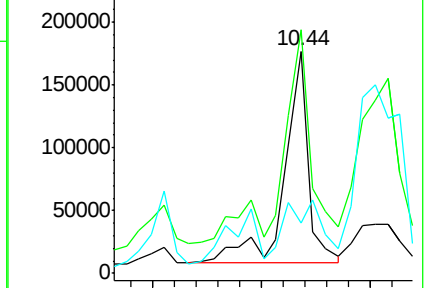
167 22.8 11.0 16.4#



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: 11.37 min Scan# 795

Delta R.T. 0.02 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

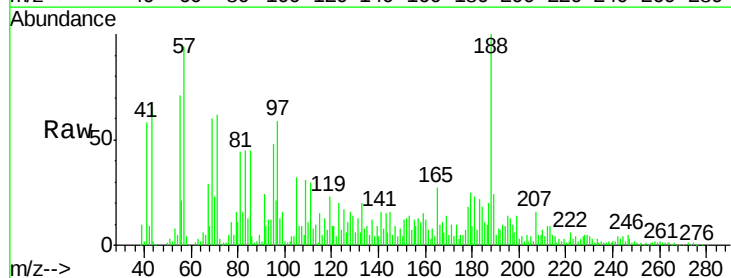
Tgt Ion:188 Resp: 215809

Ion Ratio Lower Upper

188 100

94 11.7 5.4 8.0#

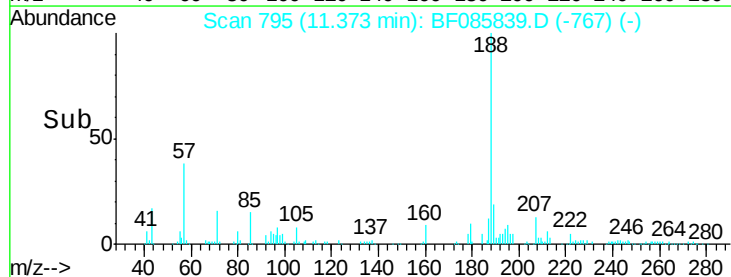
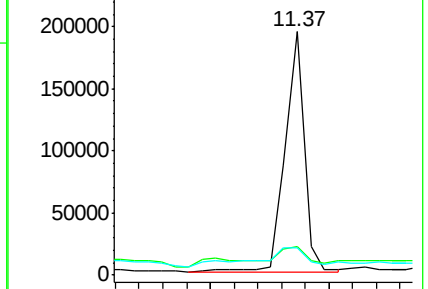
80 11.4 5.5 8.3#

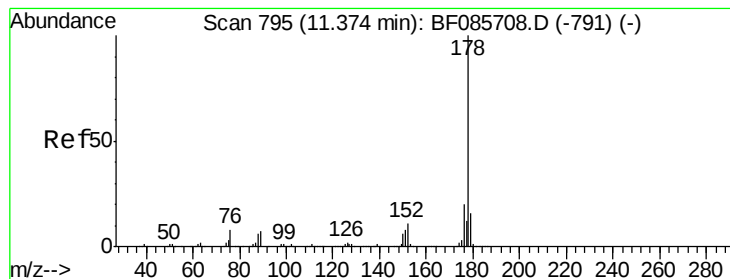


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 67.56 ng

RT: 11.40 min Scan# 797

Delta R.T. 0.02 min

Lab File: BF085839.D

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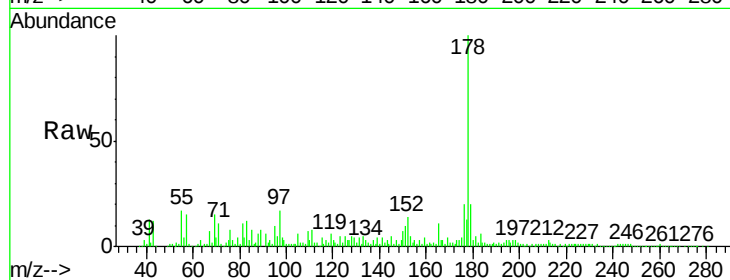
Tgt Ion:178 Resp: 748684

Ion Ratio Lower Upper

178 100

176 20.1 16.3 24.5

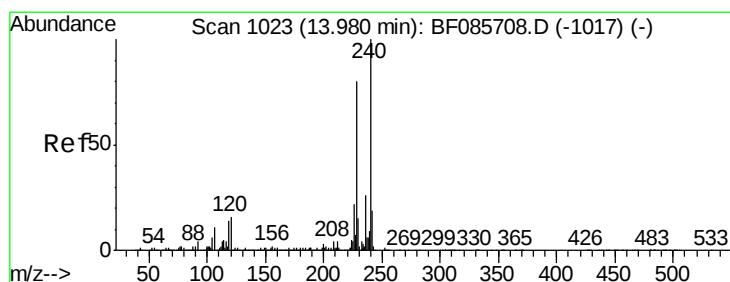
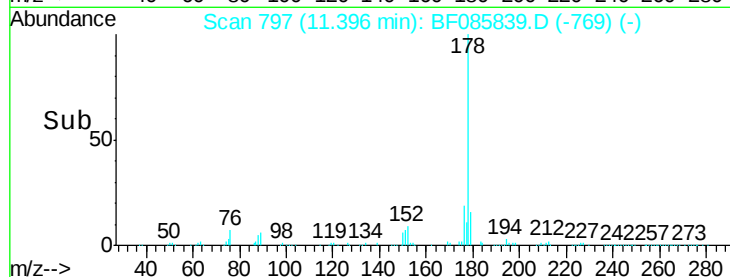
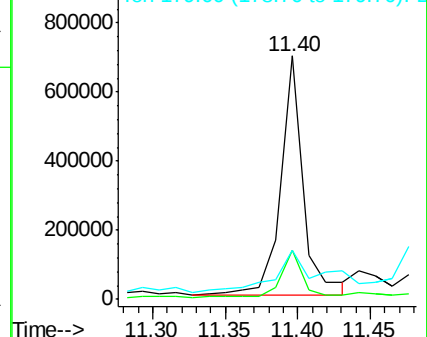
179 20.4 12.6 18.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

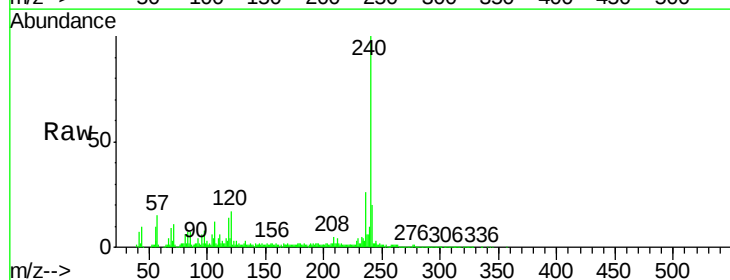
Tgt Ion:240 Resp: 195923

Ion Ratio Lower Upper

240 100

120 16.6 13.8 20.8

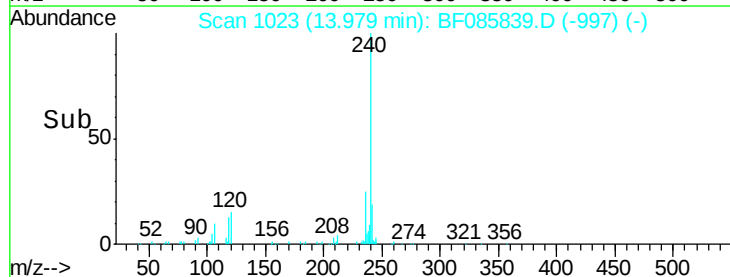
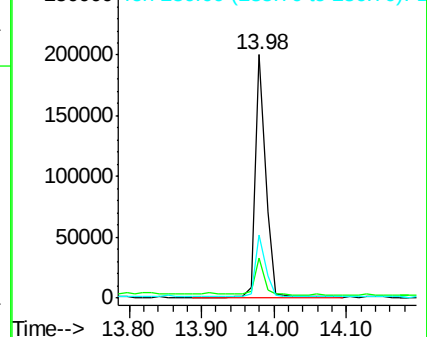
236 26.1 20.6 30.8

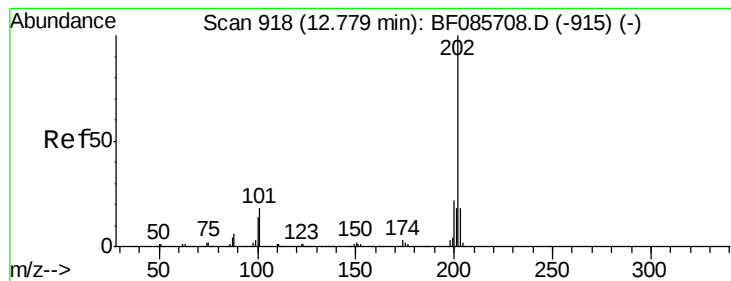


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.68 ng

RT: 12.80 min Scan# 920

Delta R.T. 0.02 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

Instrument :

BNA_F

ClientSampleId :

7

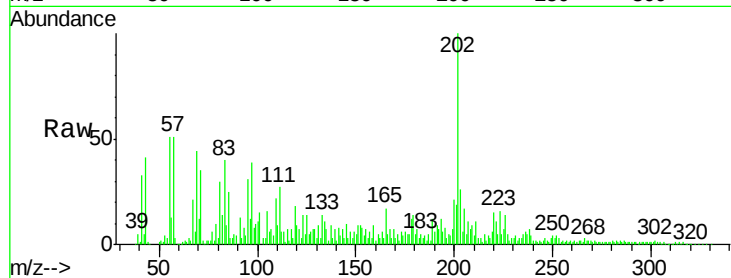
Tgt Ion:202 Resp: 172064

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

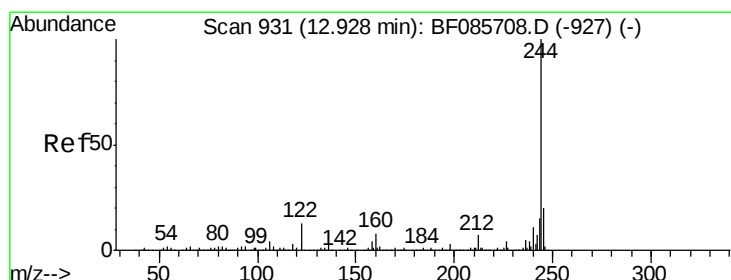
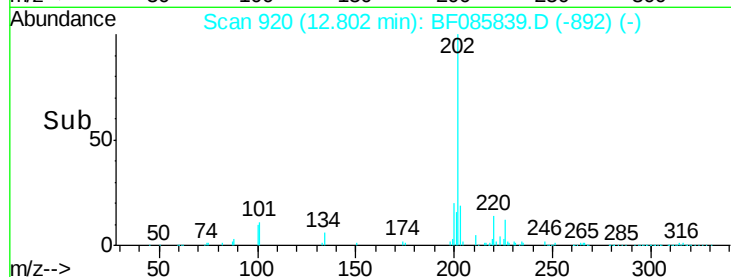
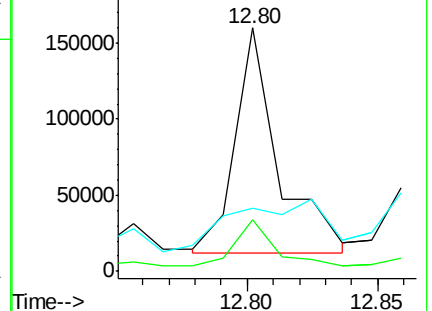
203 26.0 14.0 21.0#



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: 56.08 ng

RT: 12.94 min Scan# 932

Delta R.T. 0.01 min

Lab File: BF085839.D

Acq: 29 Mar 2016 8:56

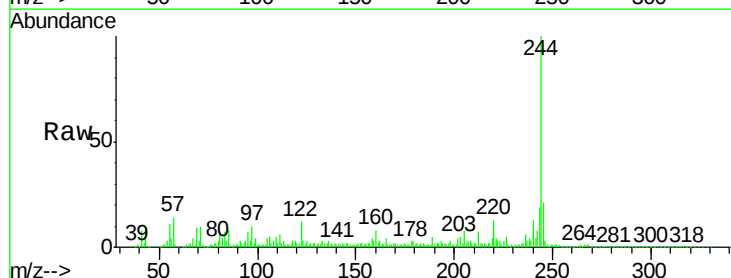
Tgt Ion:244 Resp: 534214

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

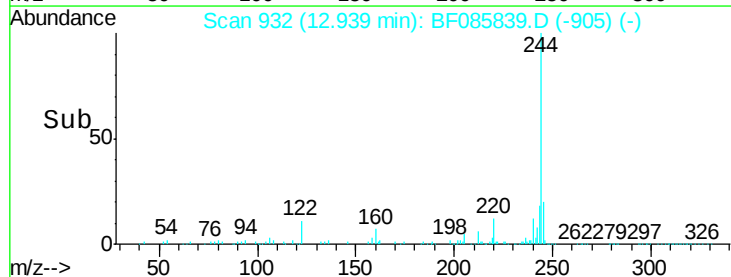
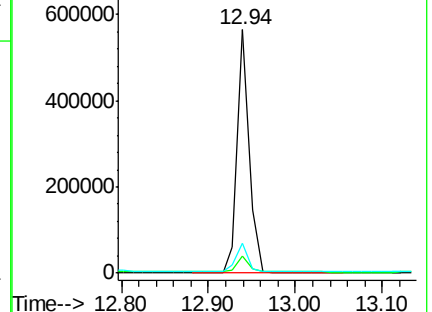
122 12.1 10.2 15.4

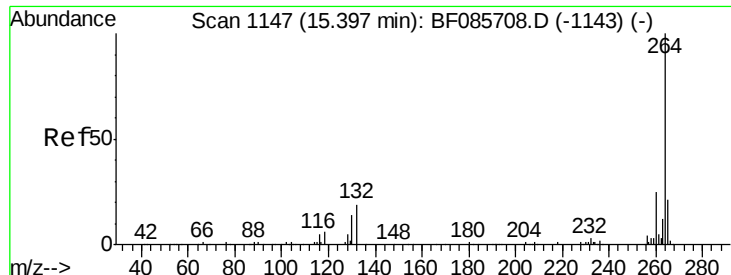


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

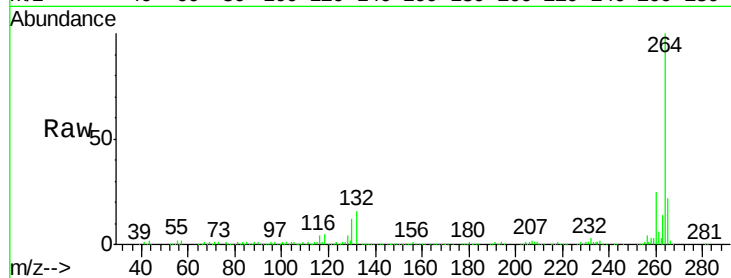




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085839.D
 Acq: 29 Mar 2016 8:56

Instrument :
 BNA_F
 ClientSampleId :
 7

Tgt Ion: 264 Resp: 216384
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 22.1 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

