

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085845.D
 Acq On : 29 Mar 2016 11:43
 Operator : UM/SJ
 Sample : H1834-12
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

Quant Time: Mar 29 13:04:26 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

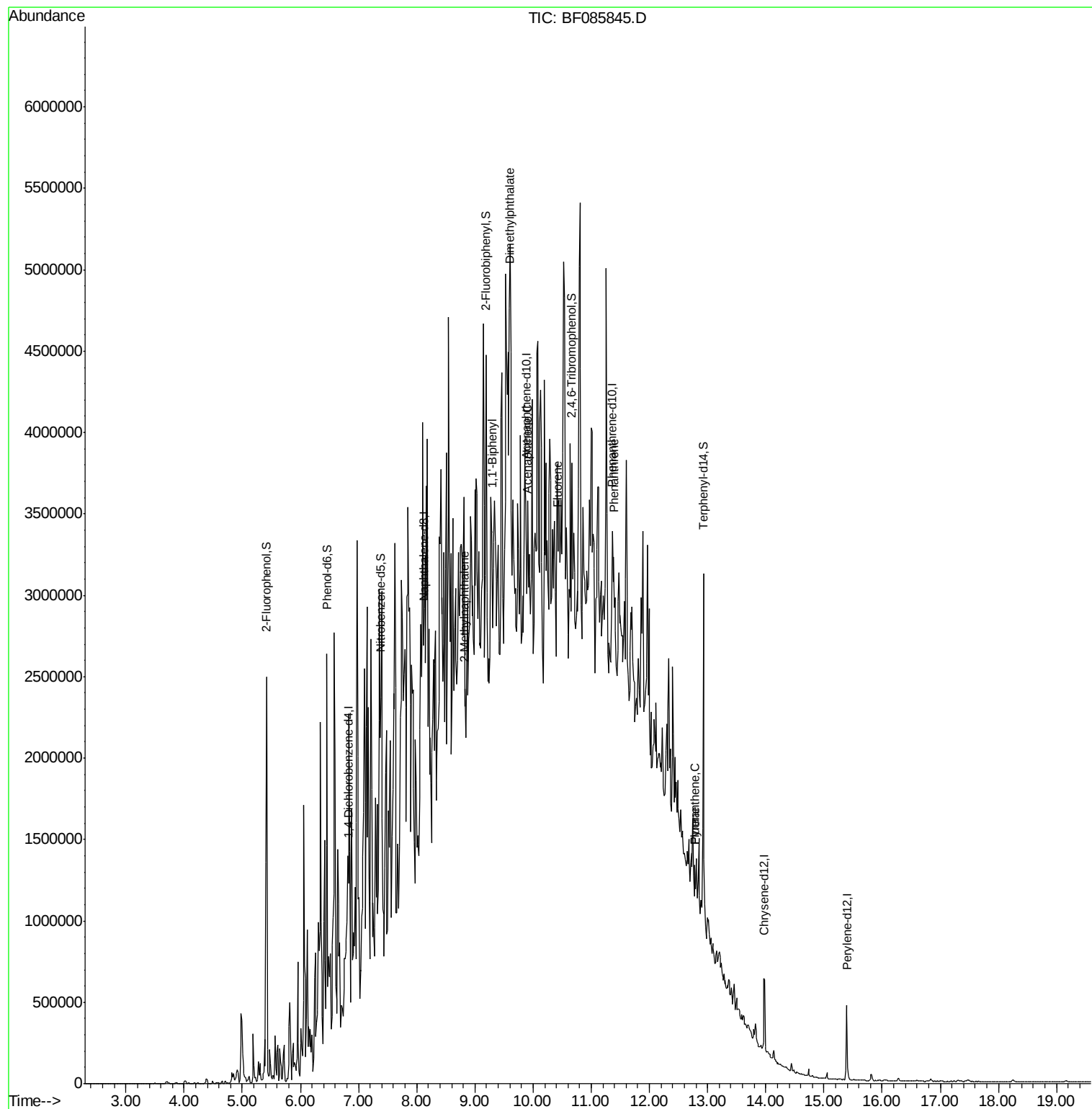
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	117761	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	361925	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	165203	20.00	ng	0.01
63) Phenanthrene-d10	11.36	188	292328	20.00	ng	0.01
75) Chrysene-d12	13.98	240	231669	20.00	ng	0.00
86) Perylene-d12	15.40	264	239689	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	874925	123.74	ng	0.01
7) Phenol-d6	6.46	99	1041352	115.83	ng	0.00
23) Nitrobenzene-d5	7.38	82	695817	108.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	188942	120.37	ng	0.01
44) 2-Fluorobiphenyl	9.19	172	904603	91.49	ng	0.00
78) Terphenyl-d14	12.93	244	718826	63.81	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.82	142	163731	12.51	ng	# 90
45) 1,1'-Biphenyl	9.29	154	30922	2.22	ng	# 90
49) Dimethylphthalate	9.59	163	110292	8.80	ng	# 53
51) Acenaphthene	9.90	154	70385	6.90	ng	# 82
57) Fluorene	10.42	166	113686	10.36	ng	# 84
70) Phenanthrene	11.38	178	405356	27.01	ng	# 93
74) Fluoranthene	12.79	202	95970	6.02	ng	# 88
77) Pyrene	12.79	202	95970	5.04	ng	# 91

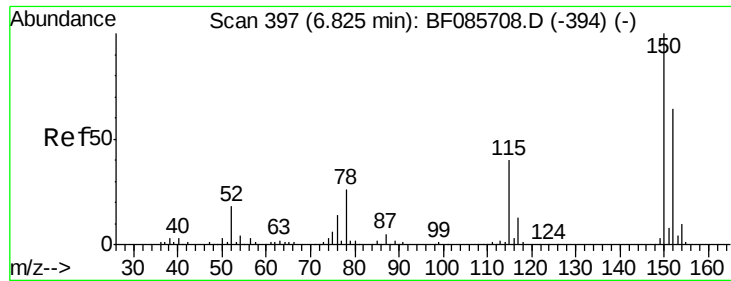
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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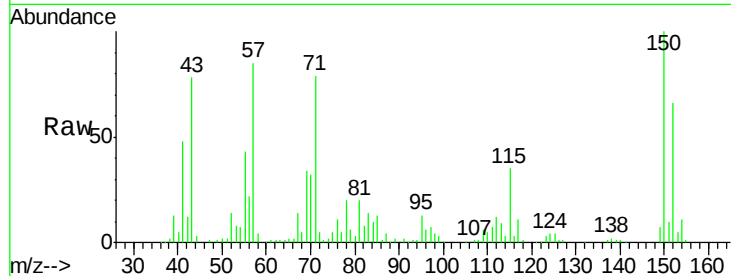


#1

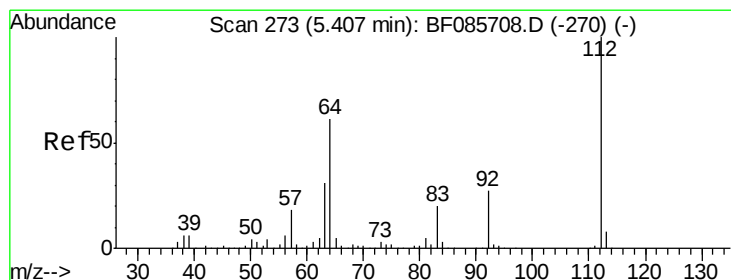
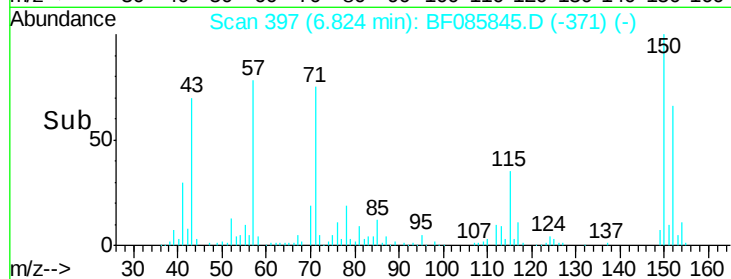
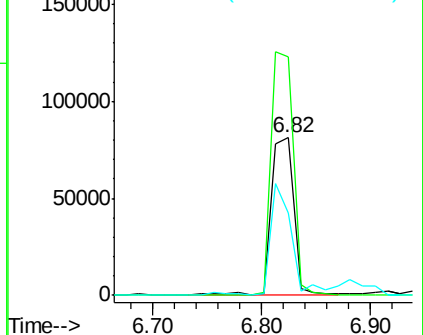
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Instrument :
BNA_F
ClientSampleId :
3

Tgt Ion:152 Resp: 117761
Ion Ratio Lower Upper
152 100
150 151.2 124.2 186.2
115 52.6 47.0 70.6



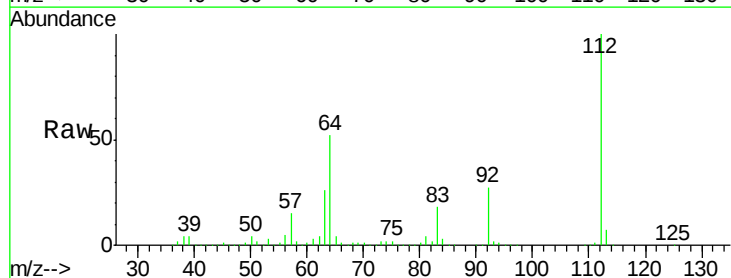
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



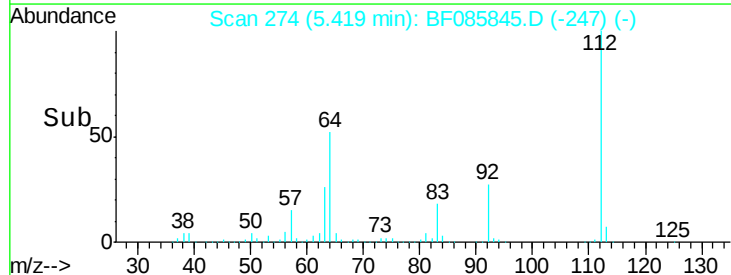
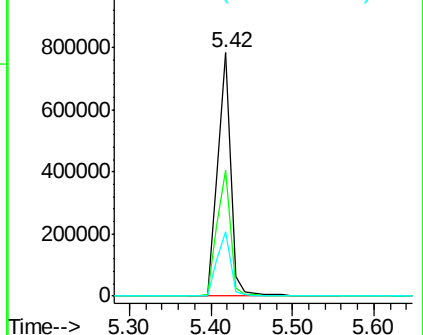
#5

2-Fluorophenol
Concen: 123.74 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Tgt Ion:112 Resp: 874925
Ion Ratio Lower Upper
112 100
64 51.9 39.9 59.9
63 26.2 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: 115.83 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampled :

3

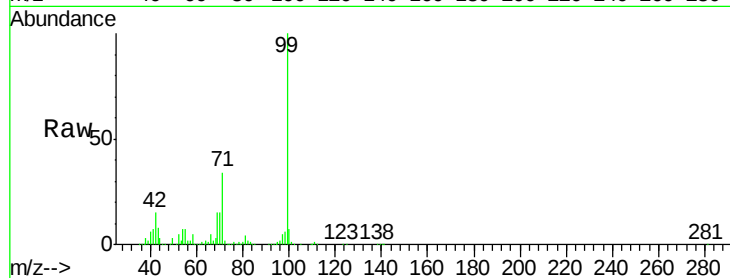
Tgt Ion: 99 Resp: 1041352

Ion Ratio Lower Upper

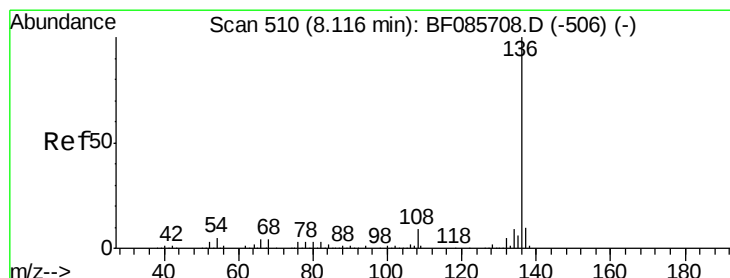
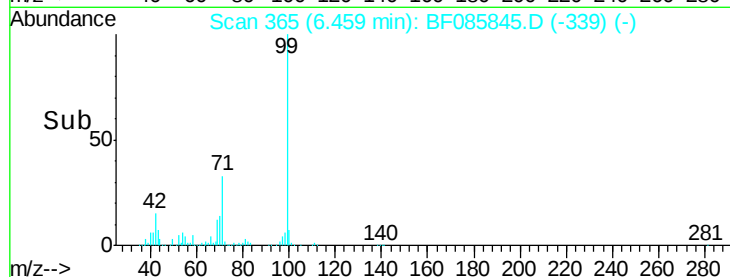
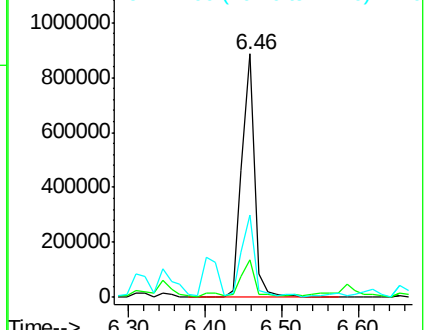
99 100

42 15.3 11.1 16.7

71 33.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Tgt Ion: 136 Resp: 361925

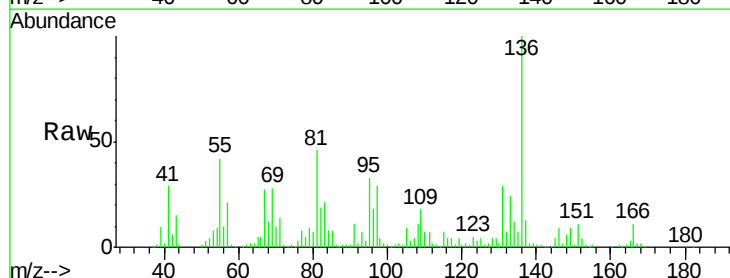
Ion Ratio Lower Upper

136 100

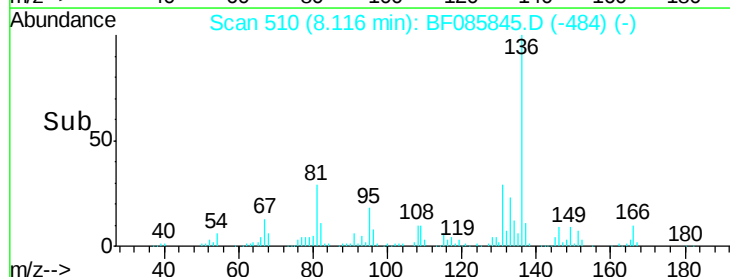
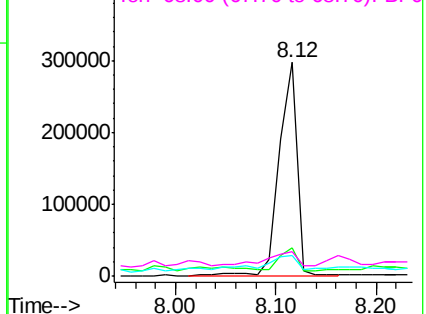
137 13.4 9.1 13.7

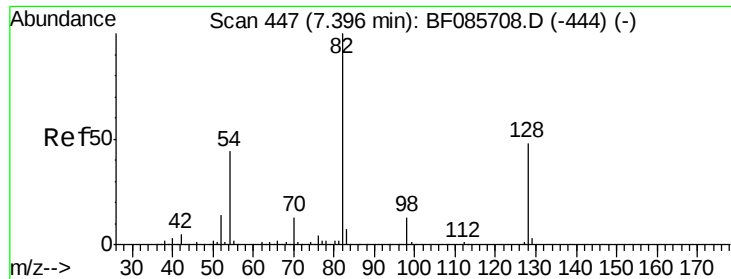
54 9.3 7.4 11.0

68 11.6 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

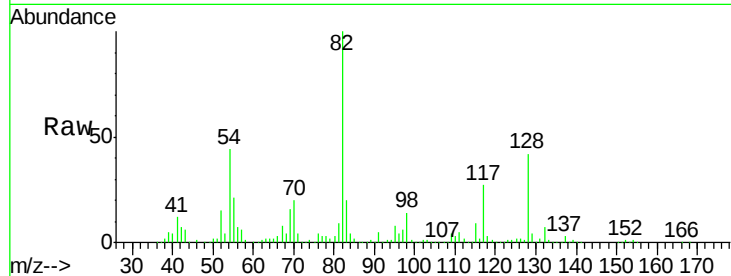




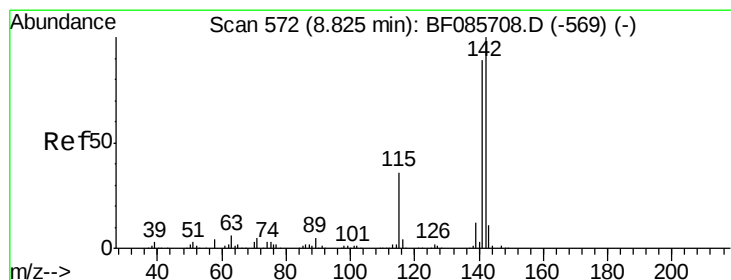
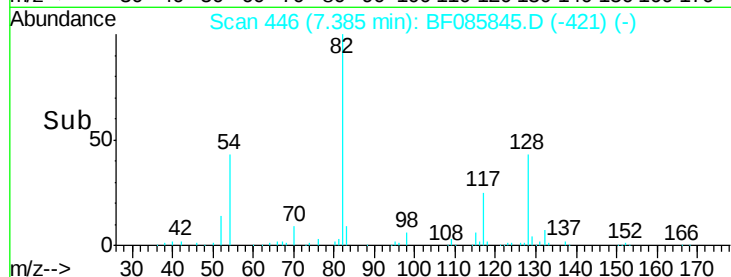
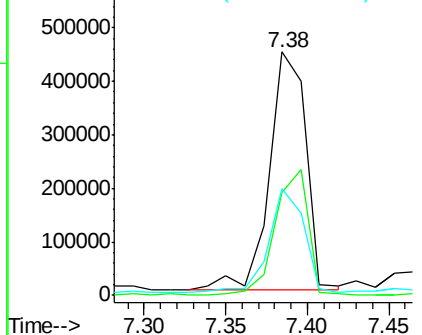
#23
 Nitrobenzene-d5
 Concen: 108.26 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Instrument :
 BNA_F
 ClientSampled :
 3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	41.8	62.8
54	44.0	33.4	50.0

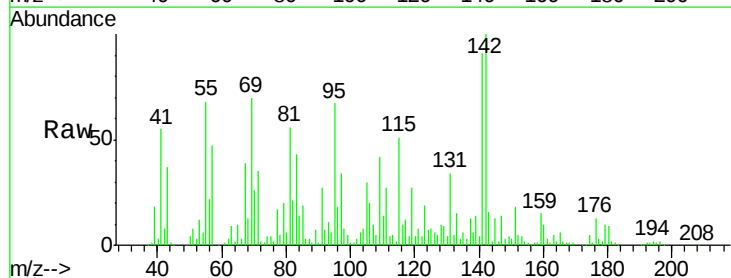


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

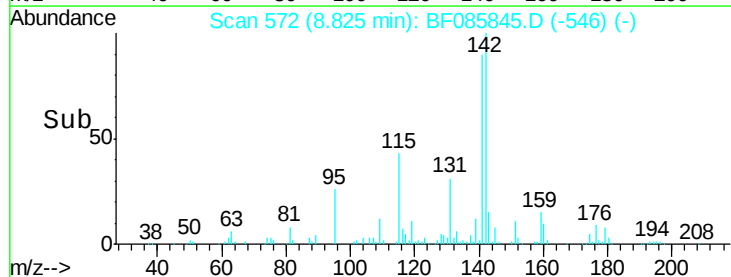
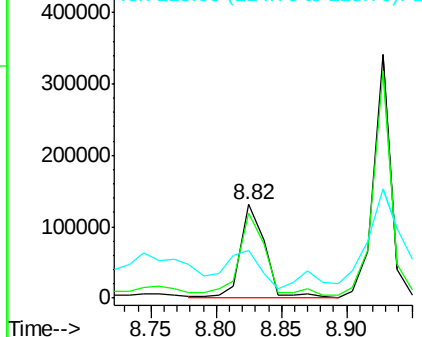


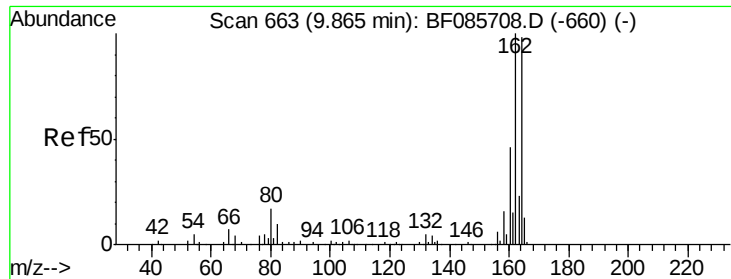
#37
 2-Methylnaphthalene
 Concen: 12.51 ng
 RT: 8.82 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.6	107.4
115	51.2	26.8	40.2



Abundance Ion 142.00 (141.70 to 142.70): B
 Ion 141.00 (140.70 to 141.70): B
 Ion 115.00 (114.70 to 115.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

3

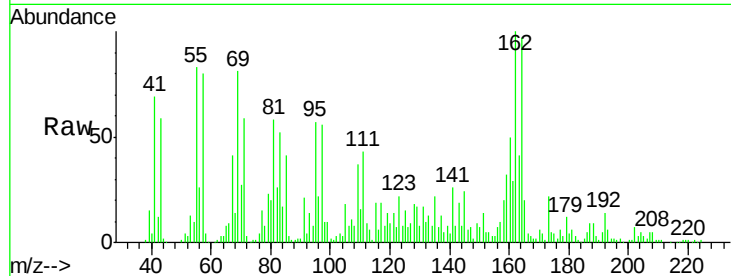
Tgt Ion:164 Resp: 165203

Ion Ratio Lower Upper

164 100

162 103.3 82.1 123.1

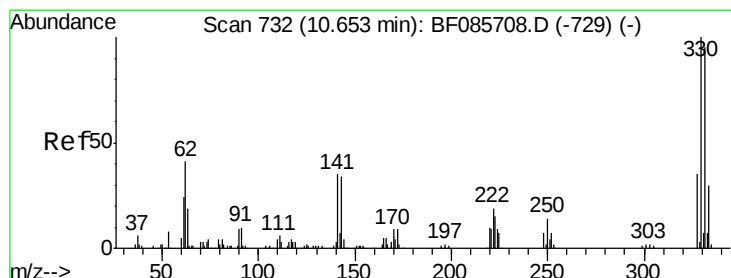
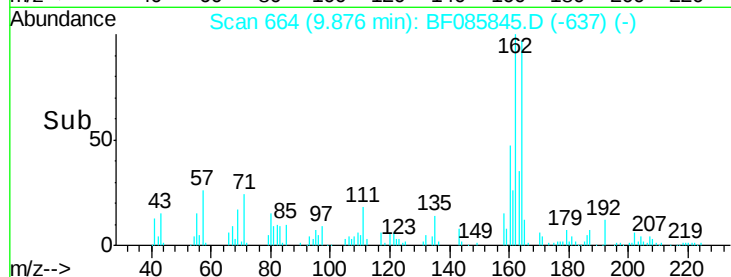
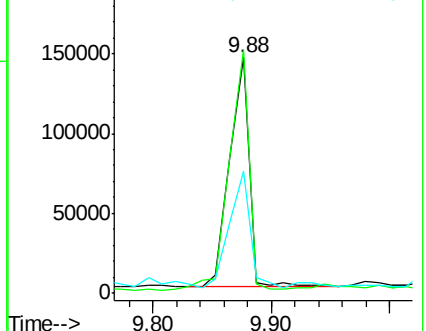
160 51.8 37.4 56.2



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: 120.37 ng

RT: 10.66 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

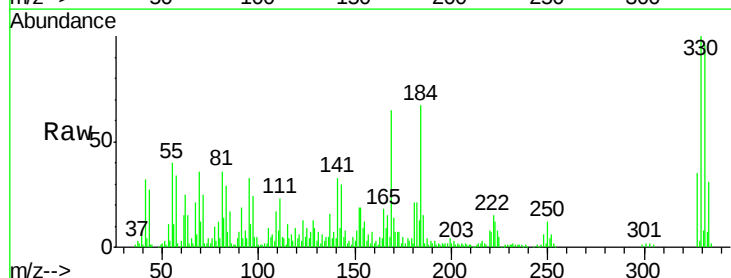
Tgt Ion:330 Resp: 188942

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.2

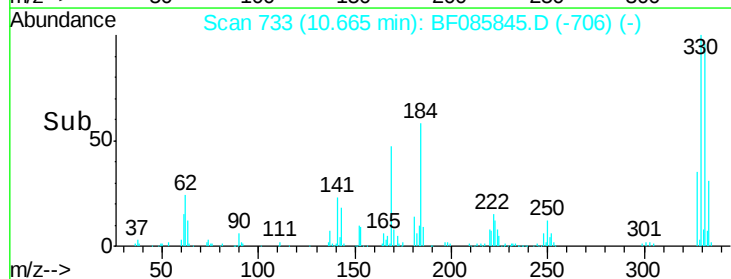
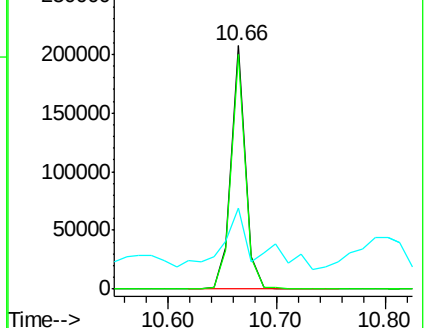
141 40.6 31.5 47.3

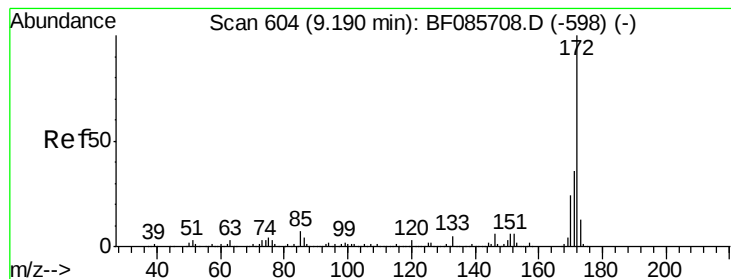


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

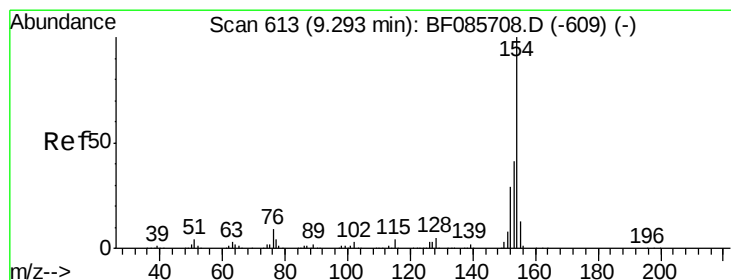
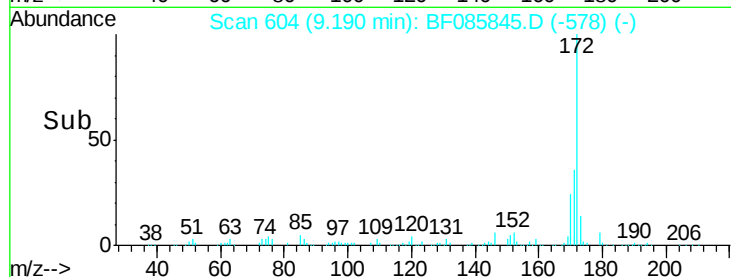
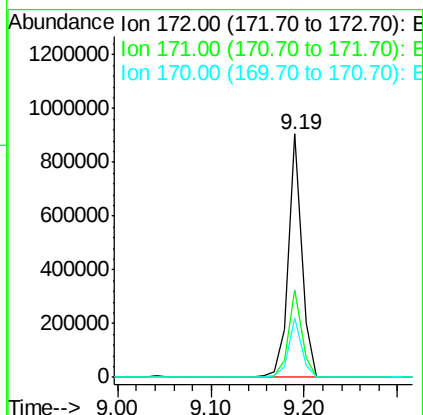
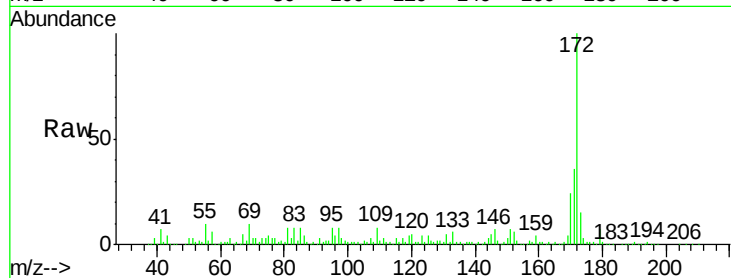




#44
 2-Fluorobiphenyl
 Concen: 91.49 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

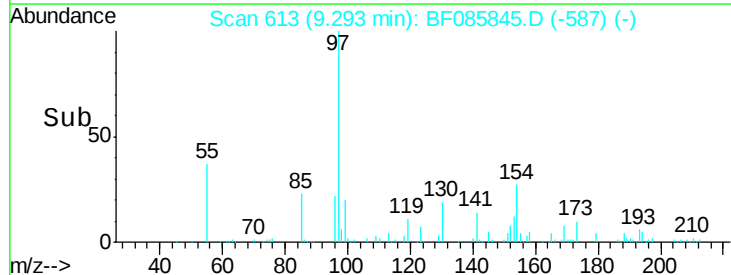
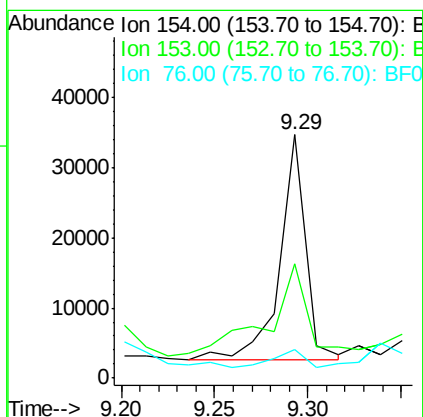
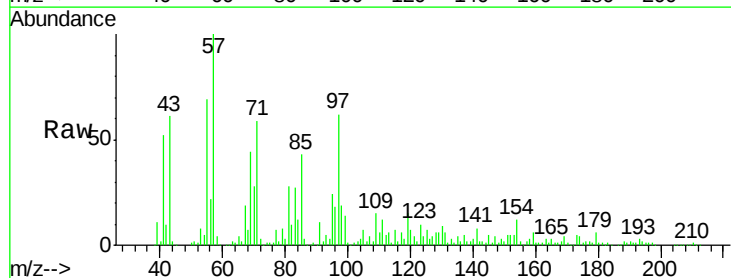
Instrument :
 BNA_F
 ClientSampleId :
 3

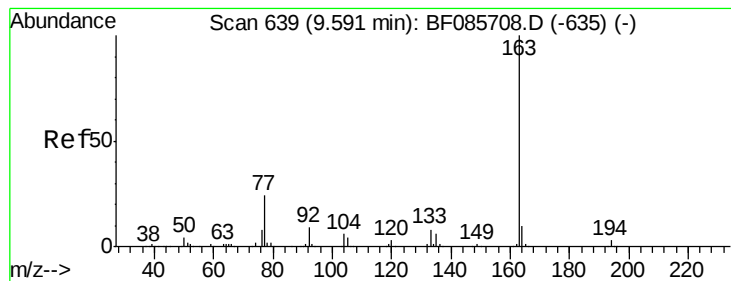
Tgt Ion:172 Resp: 904603
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.2
 170 24.2 19.8 29.6



#45
 1,1'-Biphenyl
 Concen: 2.22 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Tgt Ion:154 Resp: 30922
 Ion Ratio Lower Upper
 154 100
 153 46.7 20.8 60.8
 76 12.0 0.0 36.7





#49

Dimethylphthalate

Concen: 8.80 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

3

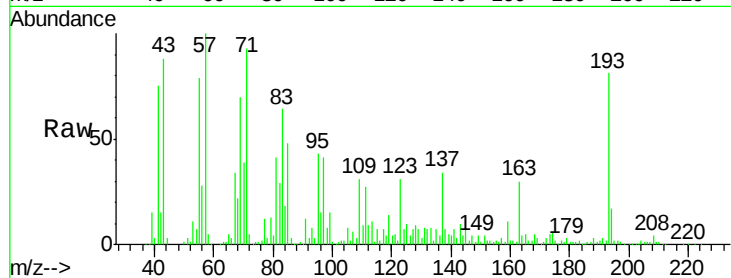
Tgt Ion:163 Resp: 110292

Ion Ratio Lower Upper

163 100

194 57.9 2.9 4.3#

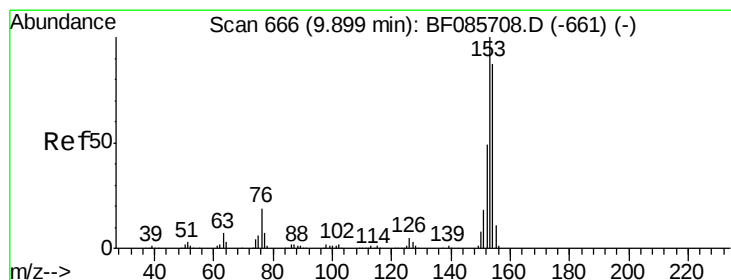
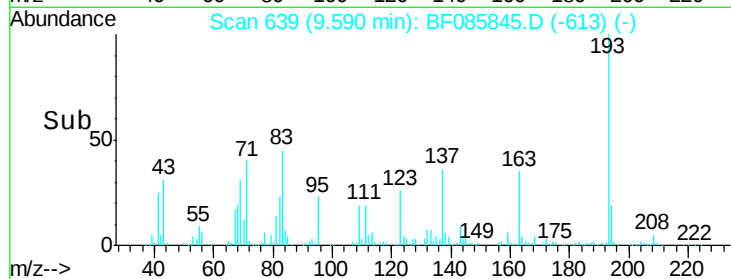
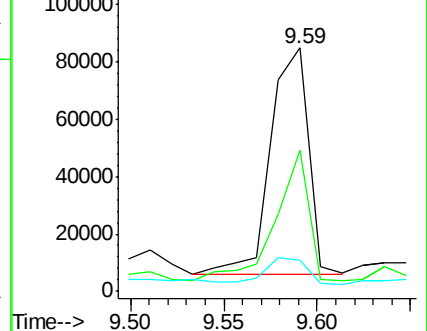
164 12.6 8.3 12.5#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 6.90 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

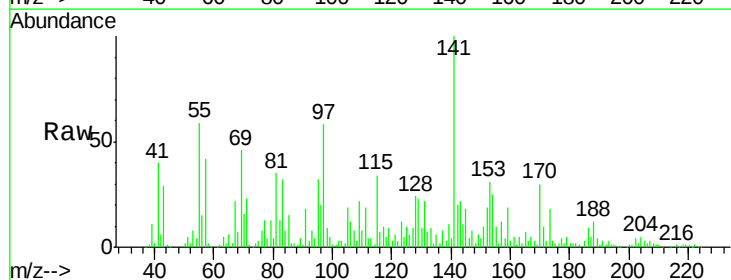
Tgt Ion:154 Resp: 70385

Ion Ratio Lower Upper

154 100

153 125.5 90.1 135.1

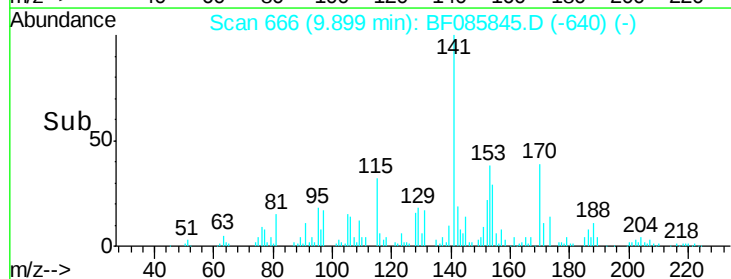
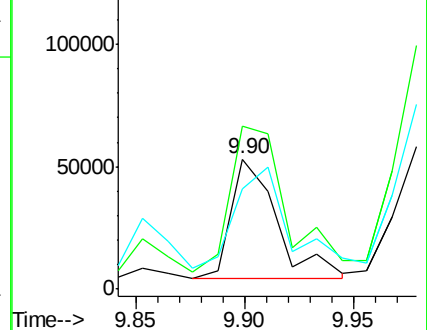
152 76.7 44.2 66.2#

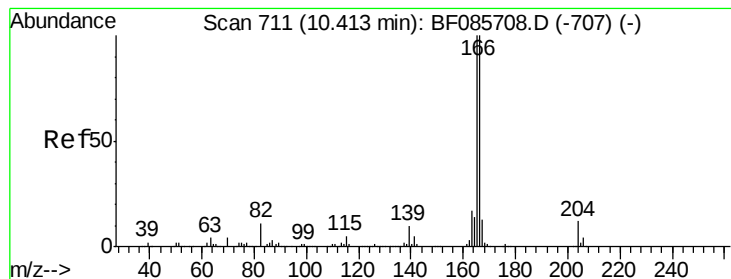


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 10.36 ng

RT: 10.42 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

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ClientSampleId :

3

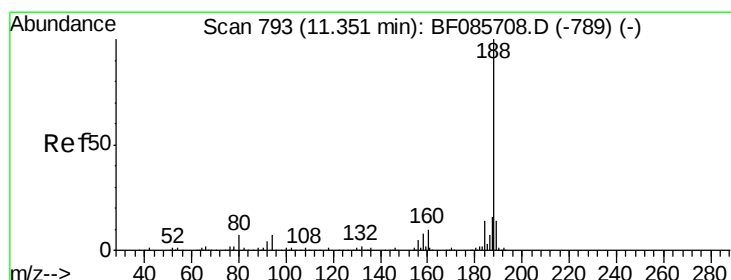
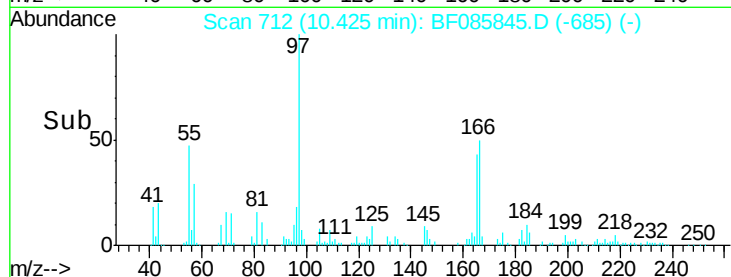
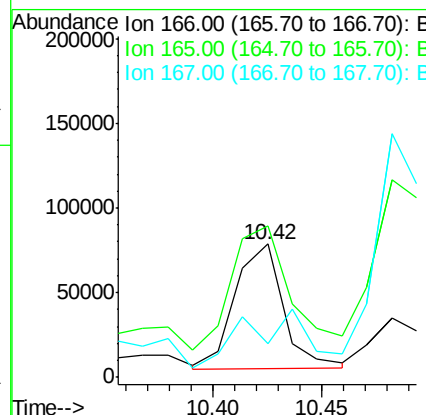
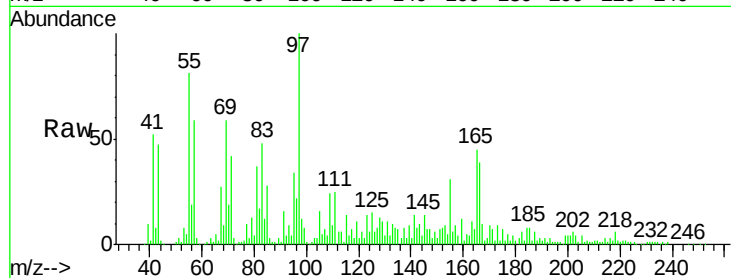
Tgt Ion:166 Resp: 113686

Ion Ratio Lower Upper

166 100

165 114.0 79.4 119.0

167 25.0 11.0 16.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

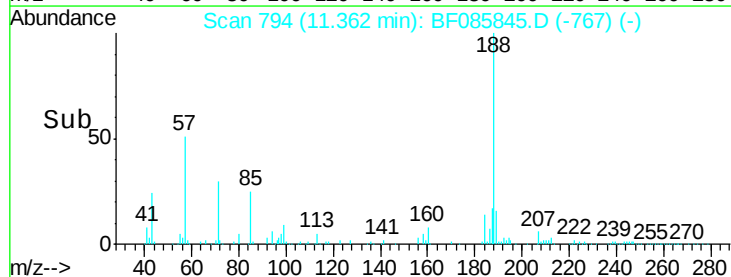
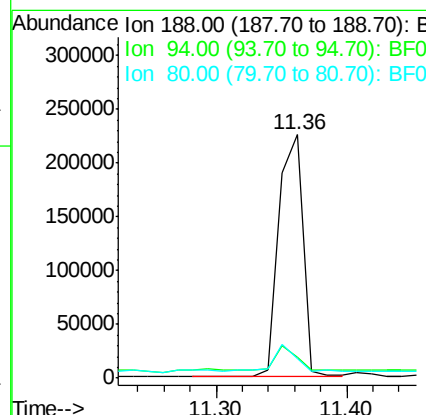
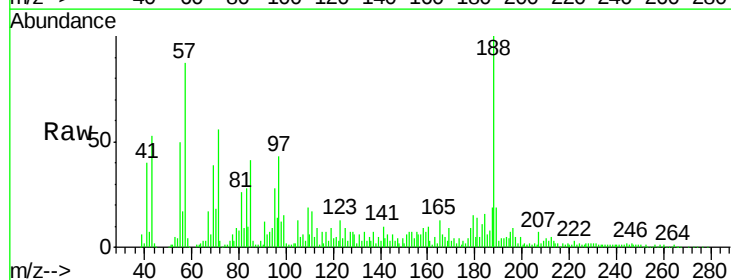
Tgt Ion:188 Resp: 292328

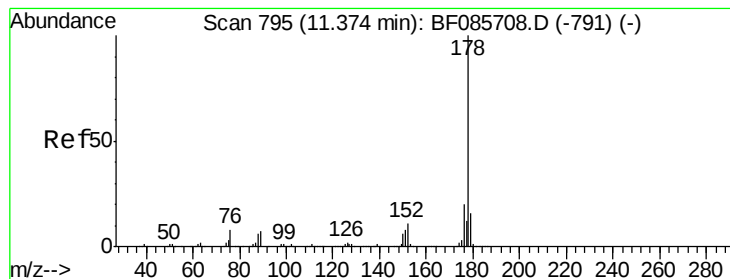
Ion Ratio Lower Upper

188 100

94 8.8 5.4 8.0#

80 8.1 5.5 8.3





#70

Phenanthrene

Concen: 27.01 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

3

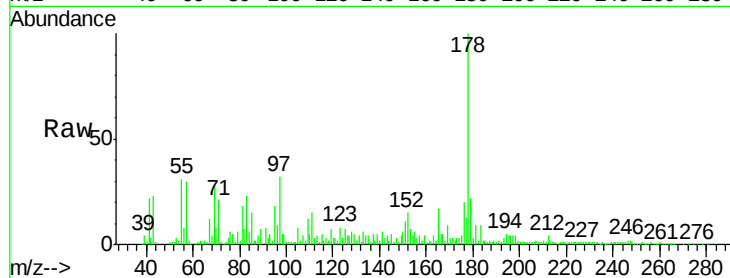
Tgt Ion:178 Resp: 405356

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

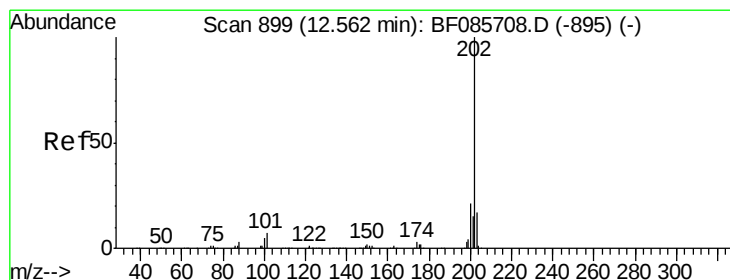
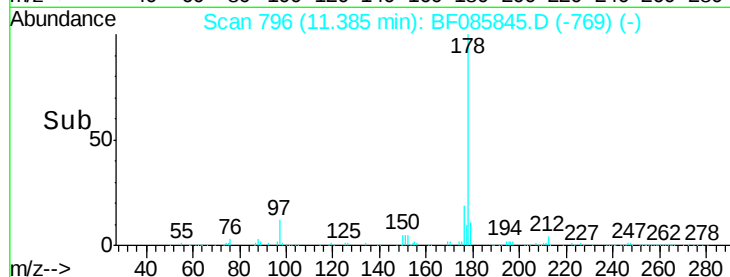
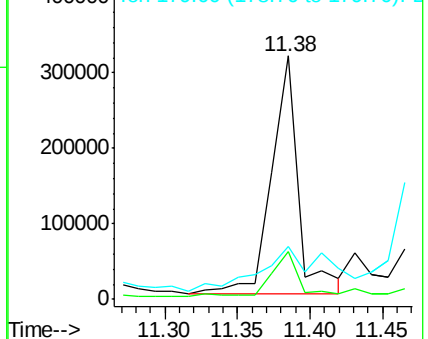
179 21.8 12.6 18.8#



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: 6.02 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.23 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

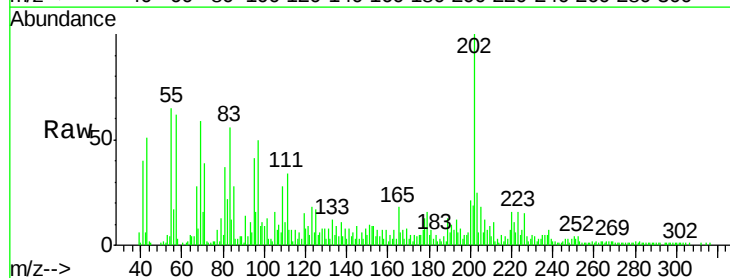
Tgt Ion:202 Resp: 95970

Ion Ratio Lower Upper

202 100

101 13.2 0.0 36.6

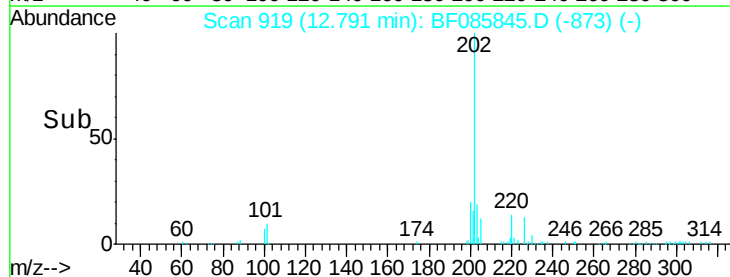
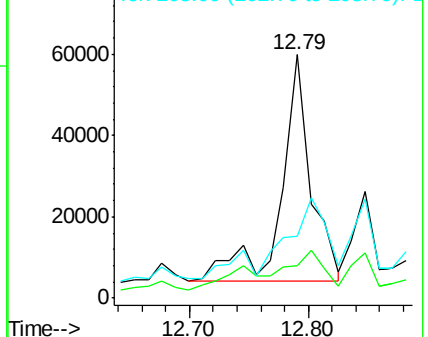
203 25.2 0.0 38.1

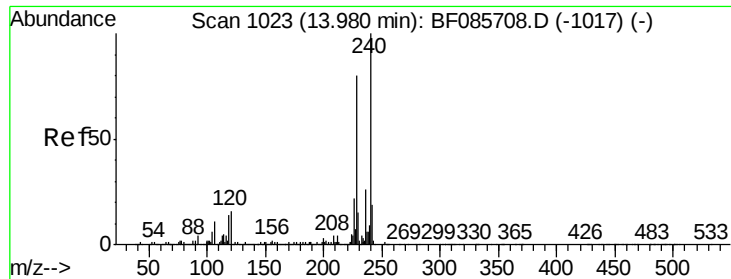


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

3

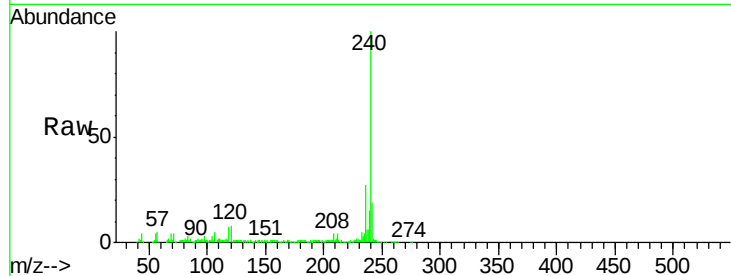
Tgt Ion:240 Resp: 231669

Ion Ratio Lower Upper

240 100

120 8.0 13.8 20.8#

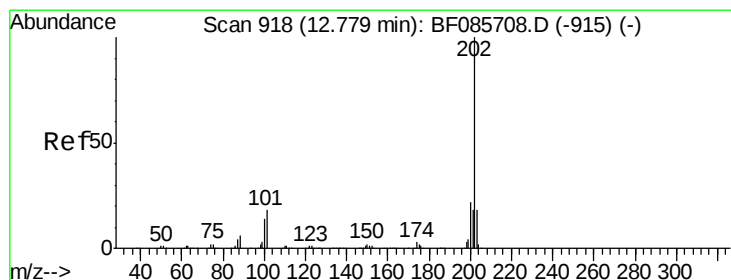
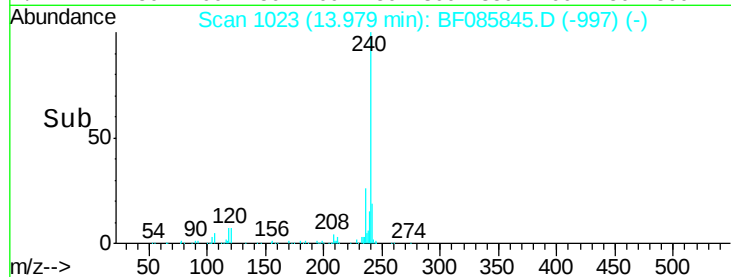
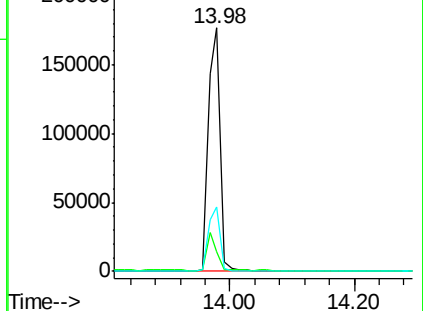
236 26.5 20.6 30.8



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: 5.04 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

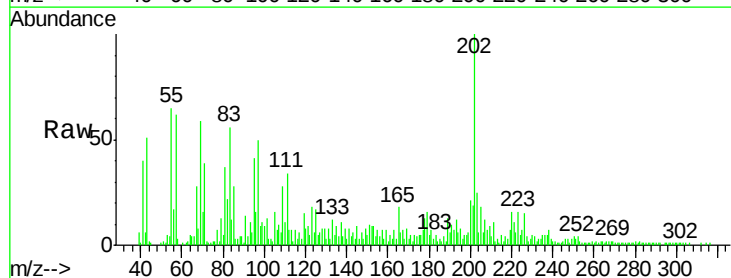
Tgt Ion:202 Resp: 95970

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

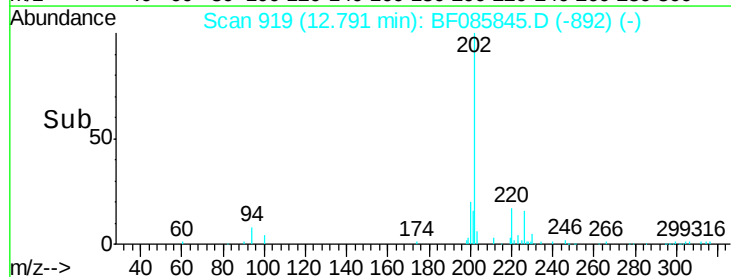
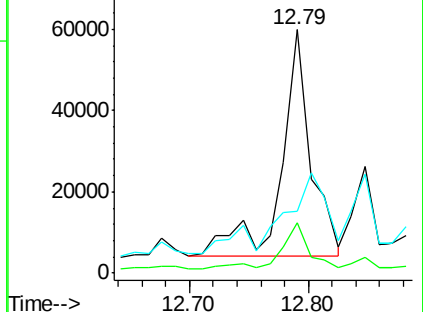
203 25.2 14.0 21.0#

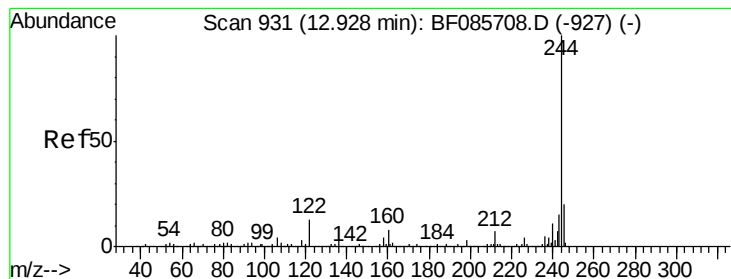


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.81 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

3

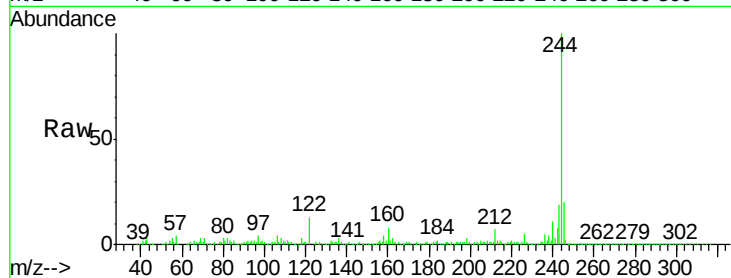
Tgt Ion:244 Resp: 718826

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

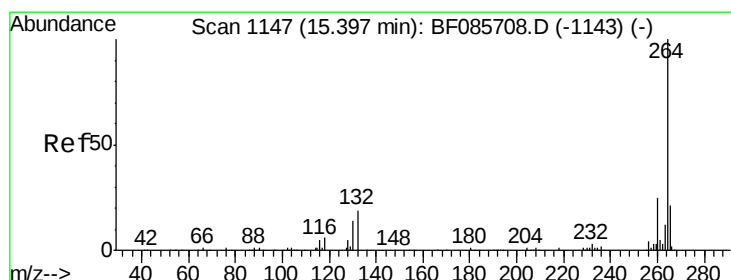
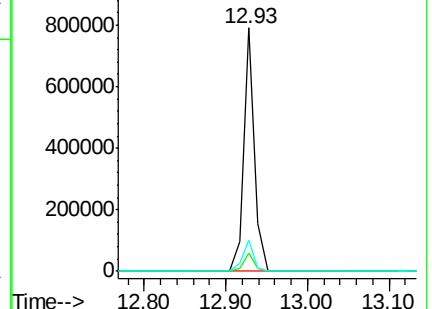
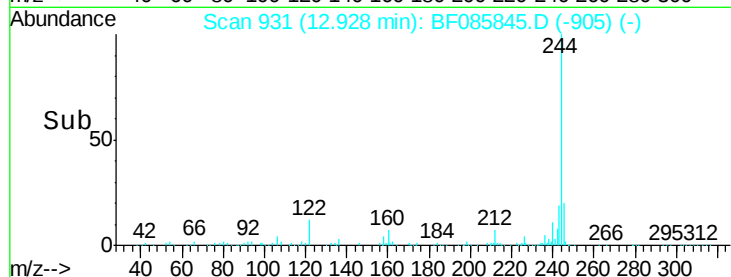
122 12.7 10.2 15.4



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: BF085845.D

Acq: 29 Mar 2016 11:43

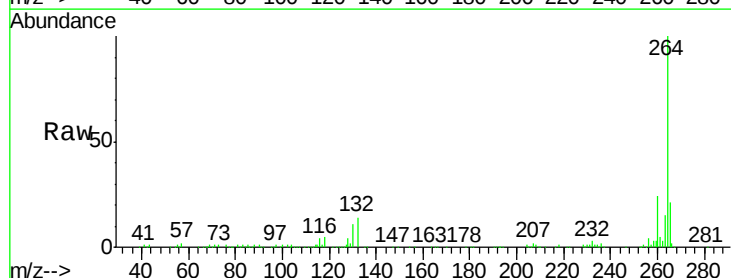
Tgt Ion:264 Resp: 239689

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.3 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

