

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085844.D
 Acq On : 29 Mar 2016 11:15
 Operator : UM/SJ
 Sample : H1834-05DL 2X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4DL

Quant Time: Mar 29 12:59:08 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

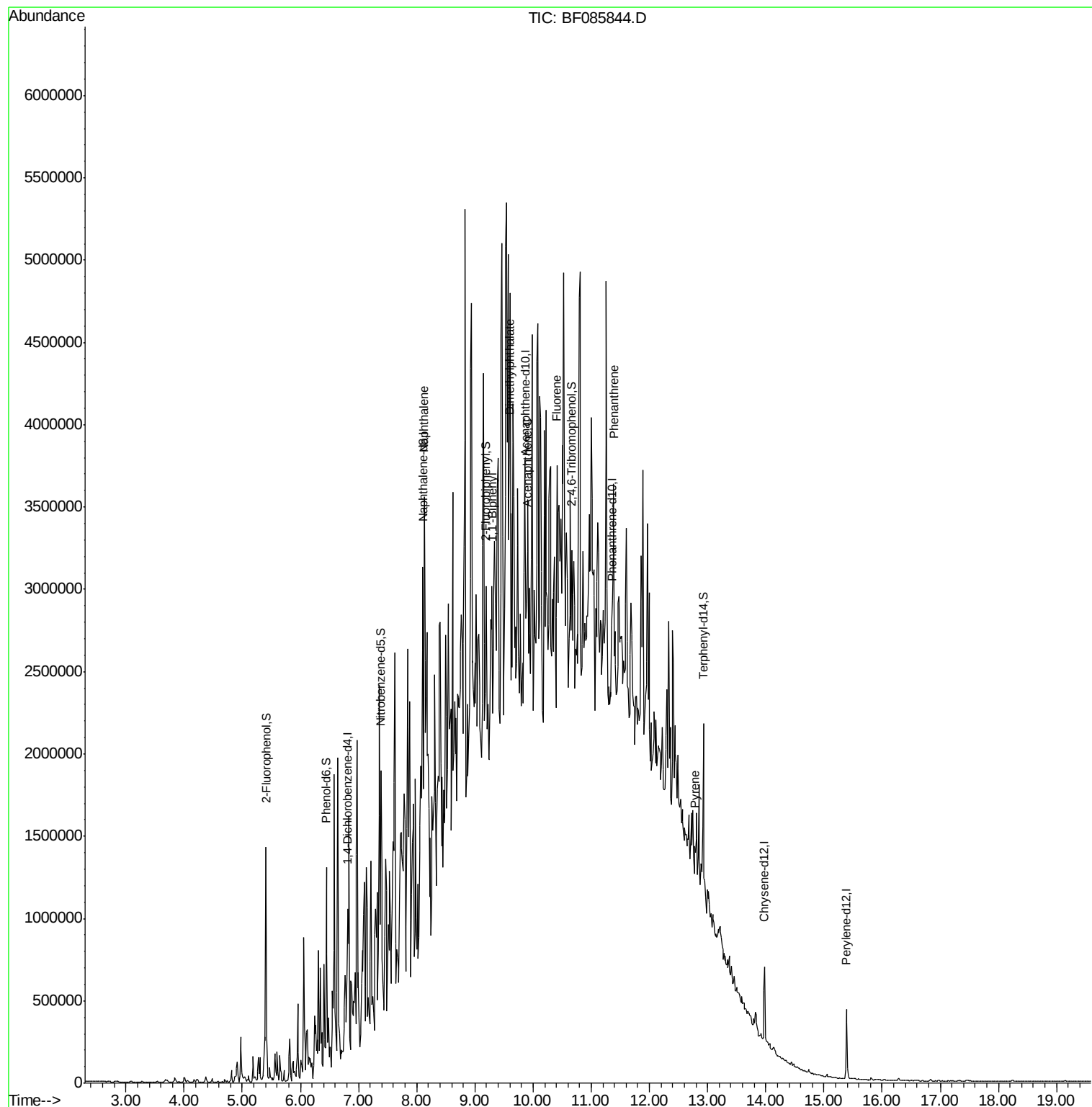
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	108356	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	344455	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	150571	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	253924	20.00	ng	0.00
75) Chrysene-d12	13.98	240	200638	20.00	ng	0.00
86) Perylene-d12	15.39	264	215202	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	431697	66.35	ng	0.00
7) Phenol-d6	6.45	99	518234	62.65	ng	-0.01
23) Nitrobenzene-d5	7.38	82	352917	57.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	99394	69.48	ng	0.01
44) 2-Fluorobiphenyl	9.19	172	489247	54.29	ng	0.00
78) Terphenyl-d14	12.93	244	308752	31.65	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	817103	47.08	ng	# 94
45) 1,1'-Biphenyl	9.29	154	210297	16.55	ng	93
49) Dimethylphthalate	9.59	163	86460	7.57	ng	# 78
51) Acenaphthene	9.90	154	114281	12.29	ng	# 86
57) Fluorene	10.41	166	205928	20.58	ng	# 75
70) Phenanthrene	11.38	178	818559	62.78	ng	97
77) Pyrene	12.79	202	107783	6.54	ng	# 93

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

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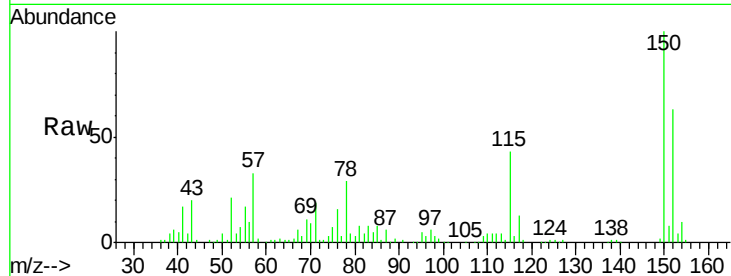




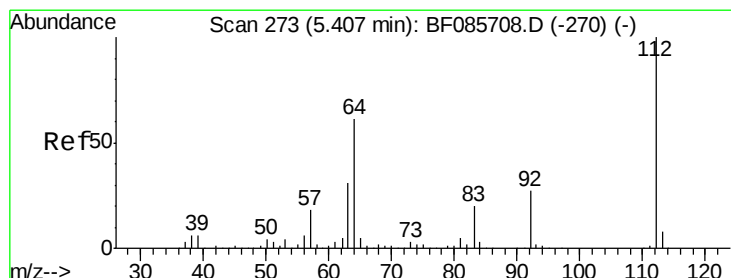
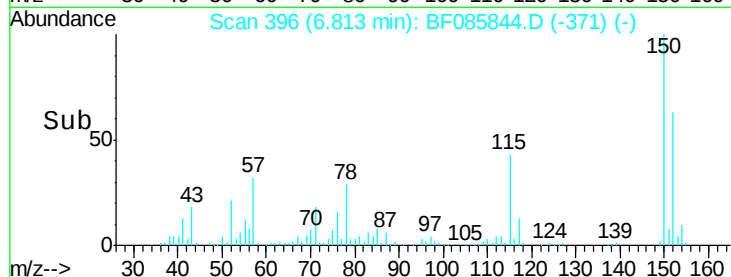
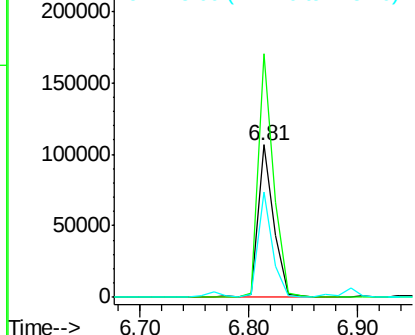
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

Instrument :
 BNA_F
 ClientSampleId :
 4DL

Tgt Ion:152 Resp: 108356
 Ion Ratio Lower Upper
 152 100
 150 159.9 124.2 186.2
 115 69.5 47.0 70.6

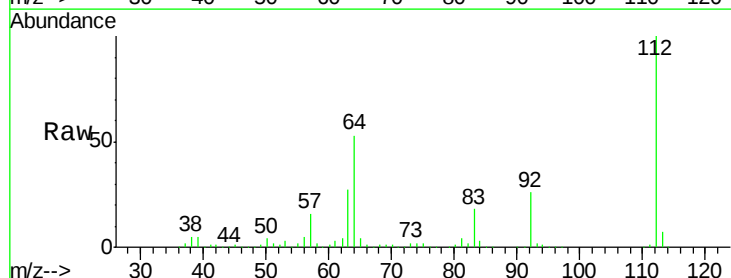


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

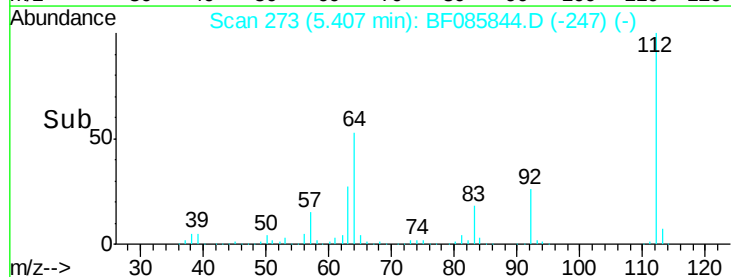
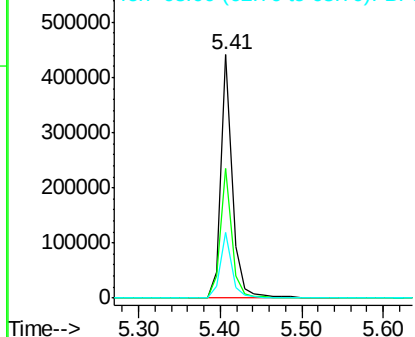


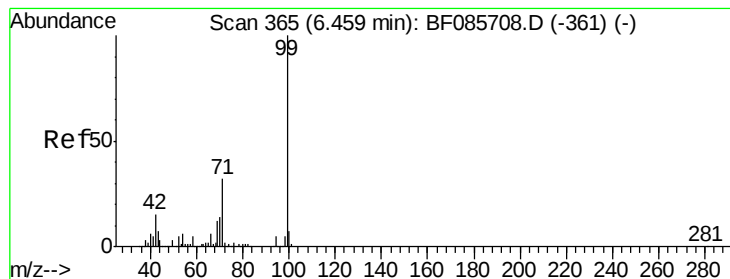
#5
 2-Fluorophenol
 Concen: 66.35 ng
 RT: 5.41 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

Tgt Ion:112 Resp: 431697
 Ion Ratio Lower Upper
 112 100
 64 53.4 39.9 59.9
 63 27.0 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: 62.65 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Instrument :

BNA_F

ClientSampleId :

4DL

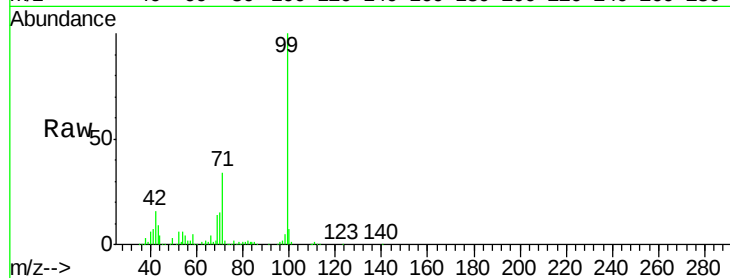
Tgt Ion: 99 Resp: 518234

Ion Ratio Lower Upper

99 100

42 16.3 11.1 16.7

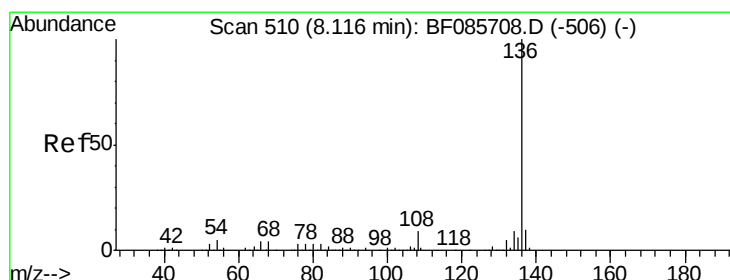
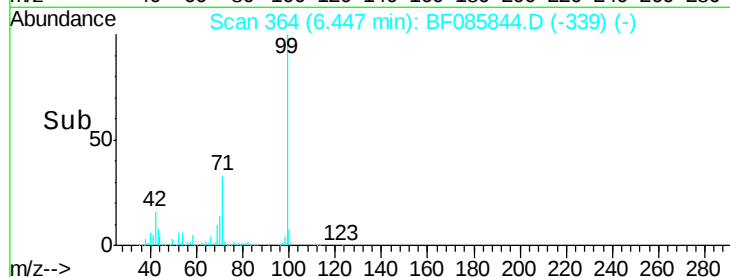
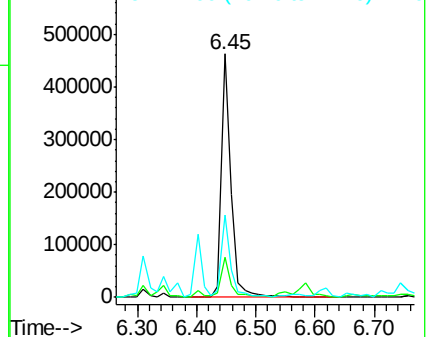
71 33.8 24.9 37.3



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: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Tgt Ion: 136 Resp: 344455

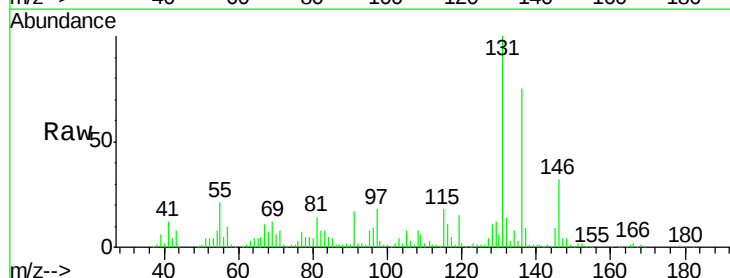
Ion Ratio Lower Upper

136 100

137 12.5 9.1 13.7

54 10.2 7.4 11.0

68 9.9 5.8 8.8#

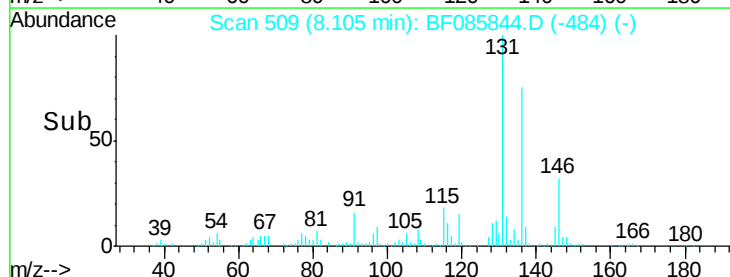
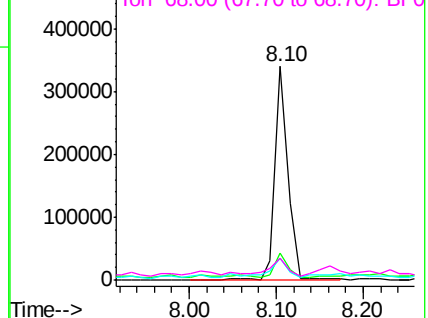


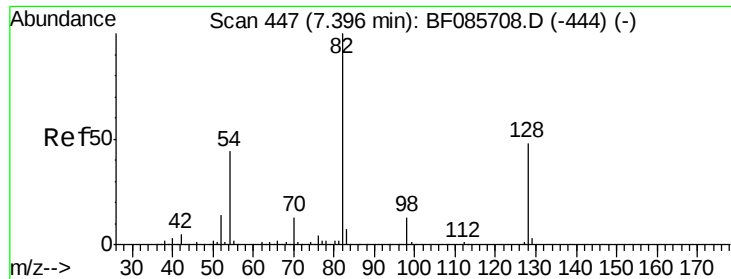
Abundance Ion 136.00 (135.70 to 136.70): E

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

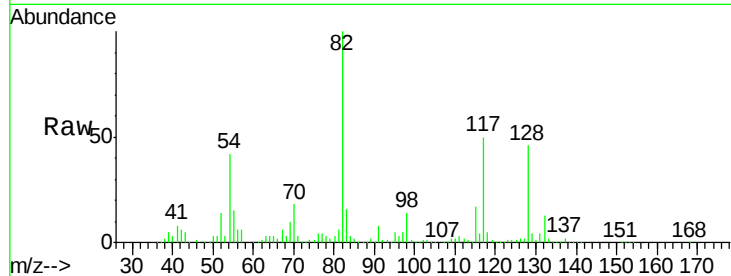




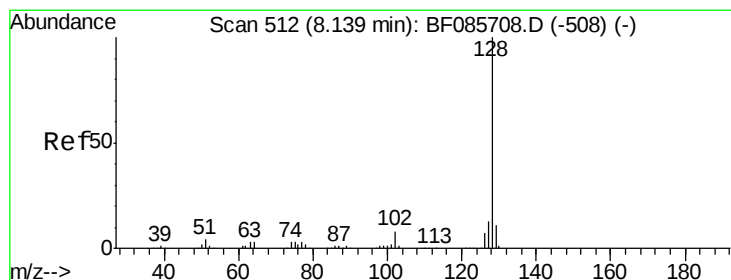
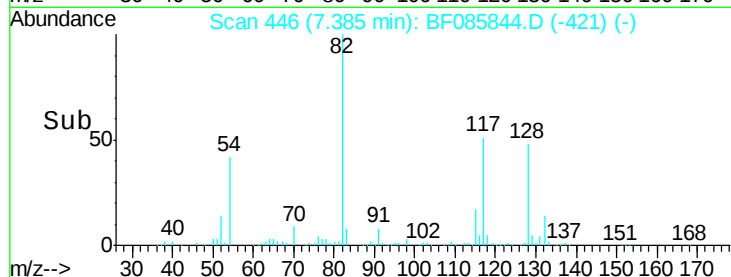
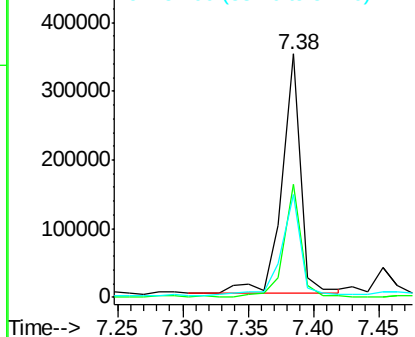
#23
 Nitrobenzene-d5
 Concen: 57.70 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

Instrument :
 BNA_F
 ClientSampled :
 4DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	41.8	62.8
54	42.5	33.4	50.0

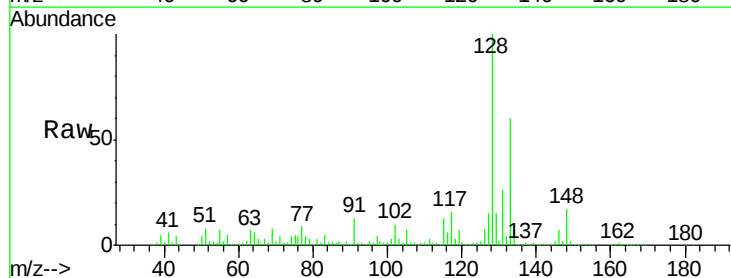


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

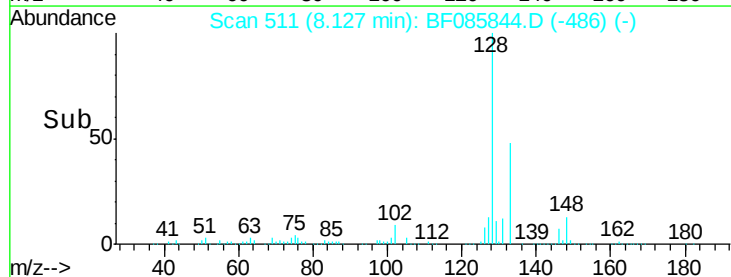
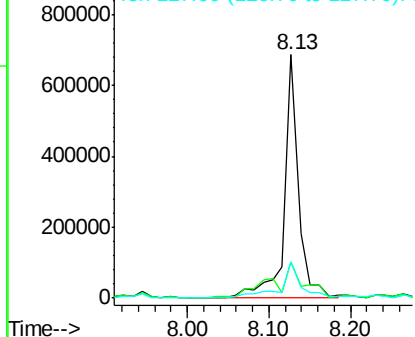


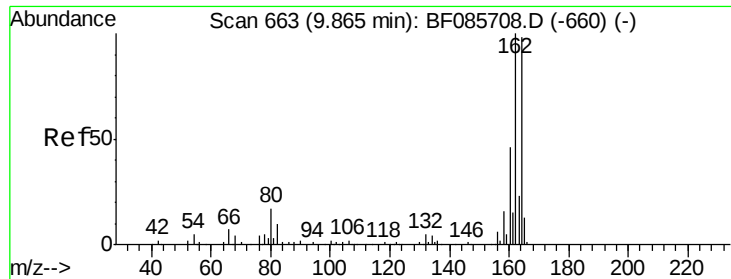
#31
 Naphthalene
 Concen: 47.08 ng
 RT: 8.13 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.4	14.0#
127	15.0	11.0	16.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Instrument :

BNA_F

ClientSampleId :

4DL

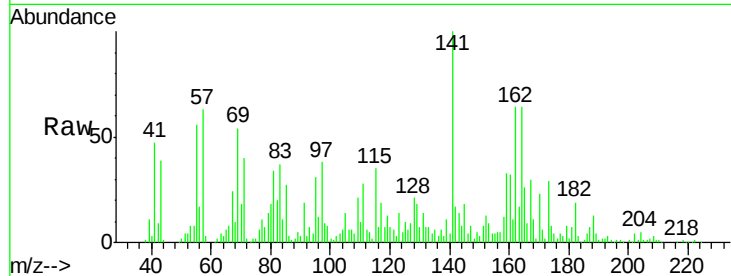
Tgt Ion:164 Resp: 150571

Ion Ratio Lower Upper

164 100

162 100.5 82.1 123.1

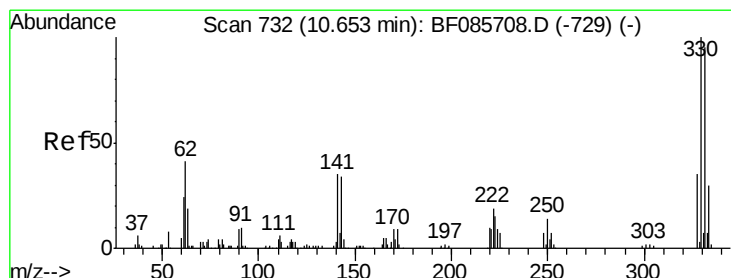
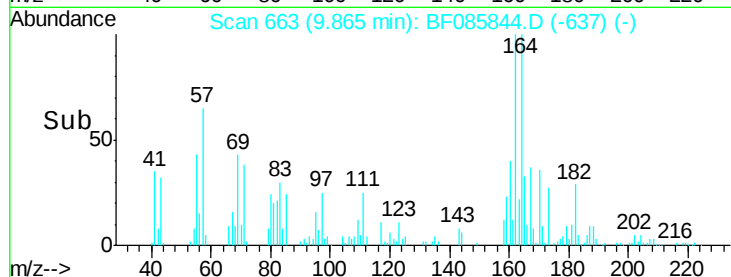
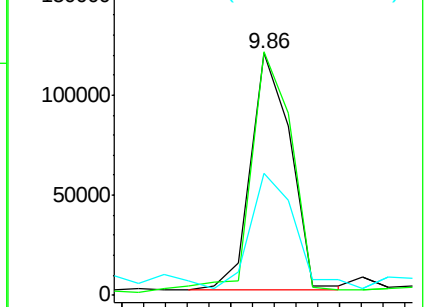
160 50.6 37.4 56.2



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: 69.48 ng

RT: 10.66 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

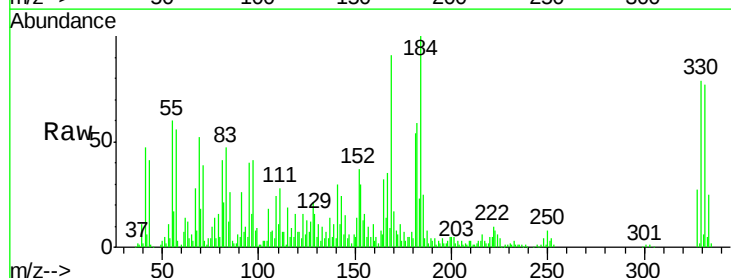
Tgt Ion:330 Resp: 99394

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.2

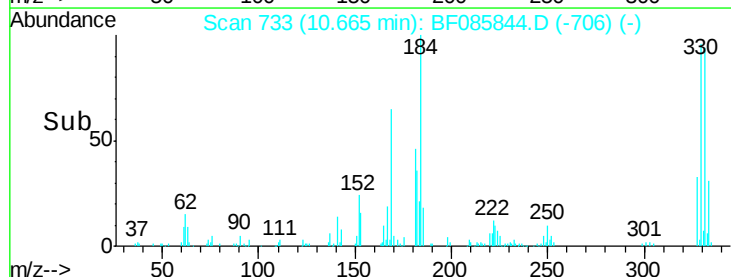
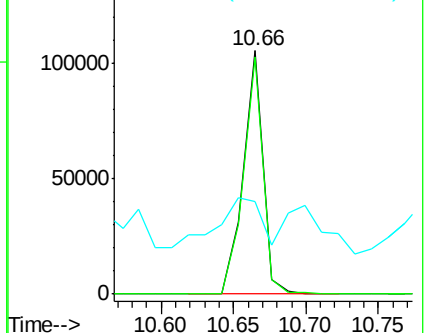
141 43.6 31.5 47.3

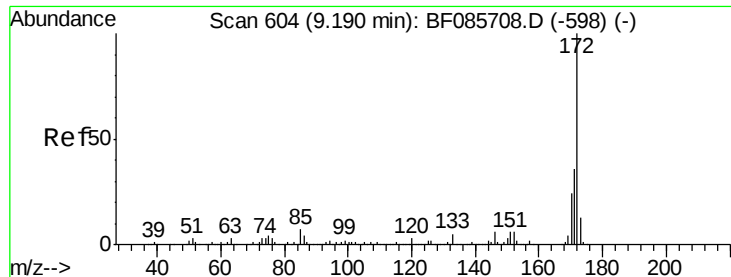


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

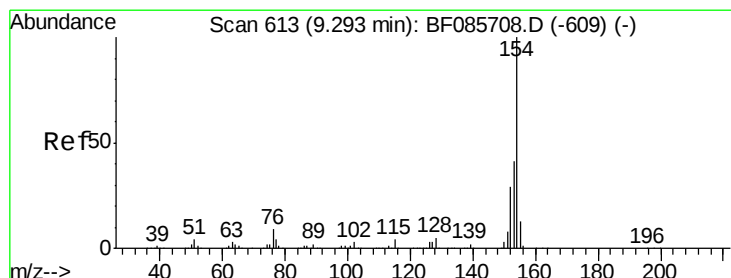
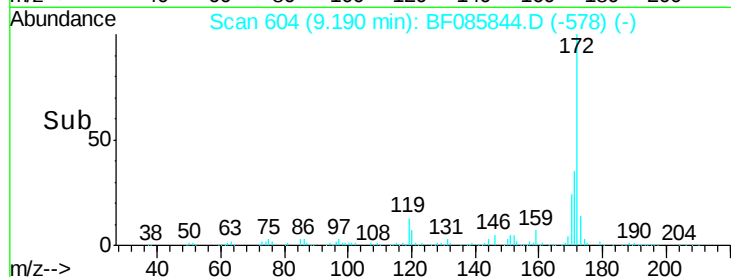
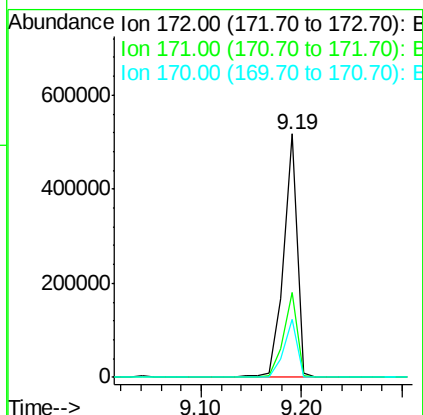
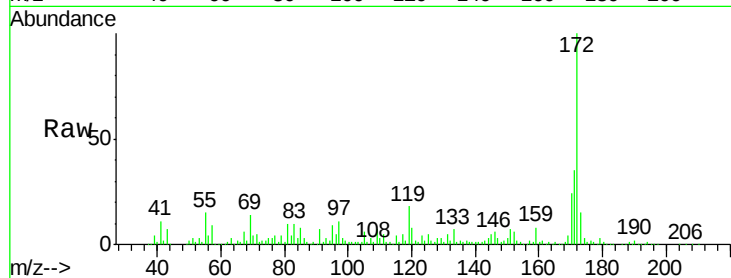




#44
 2-Fluorobiphenyl
 Concen: 54.29 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

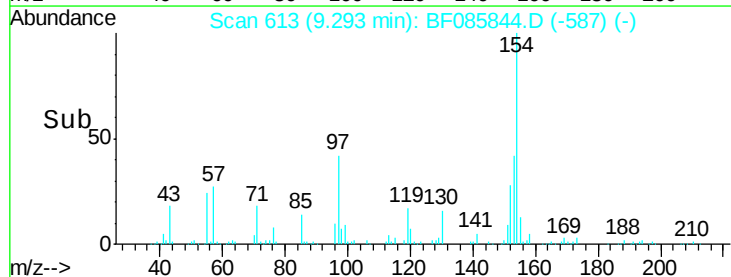
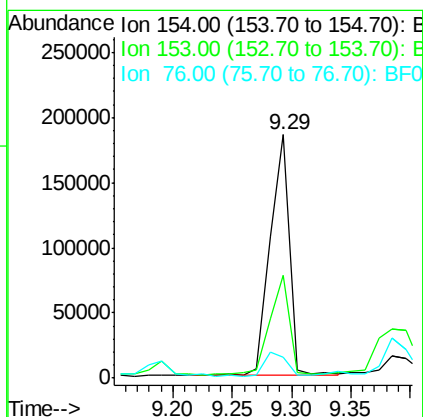
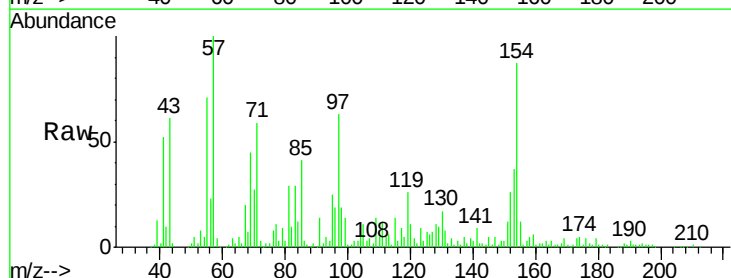
Instrument :
 BNA_F
 ClientSampleId :
 4DL

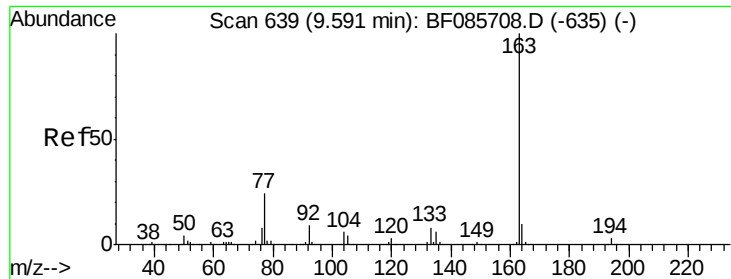
Tgt Ion:172 Resp: 489247
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.2
 170 23.6 19.8 29.6



#45
 1,1'-Biphenyl
 Concen: 16.55 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF085844.D
 Acq: 29 Mar 2016 11:15

Tgt Ion:154 Resp: 210297
 Ion Ratio Lower Upper
 154 100
 153 42.1 20.8 60.8
 76 8.8 0.0 36.7

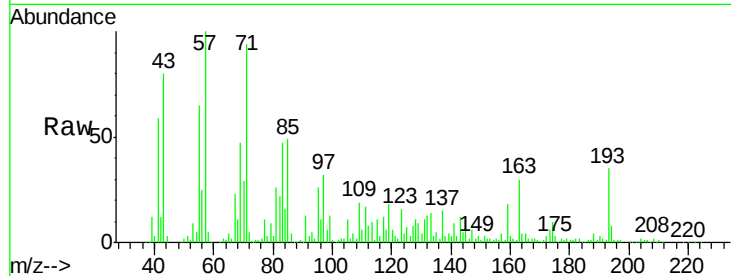




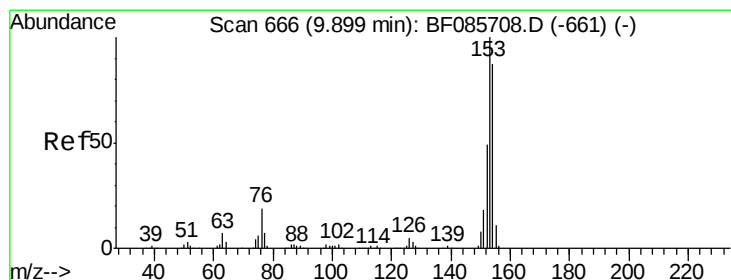
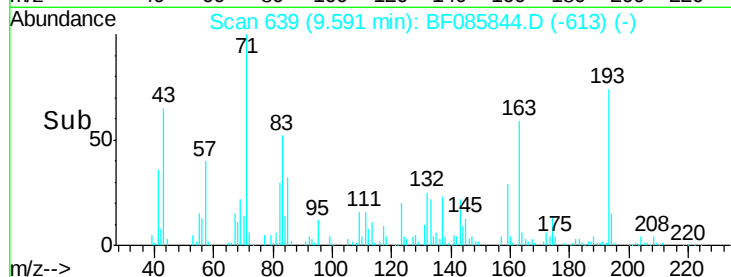
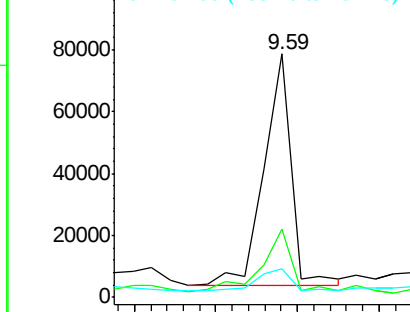
#49
Dimethylphthalate
Concen: 7.57 ng
RT: 9.59 min Scan# 639
Delta R.T. 0.00 min
Lab File: BF085844.D
Acq: 29 Mar 2016 11:15

Instrument :
BNA_F
ClientSampleId :
4DL

Tgt Ion:163 Resp: 86460
Ion Ratio Lower Upper
163 100
194 28.2 2.9 4.3#
164 11.8 8.3 12.5

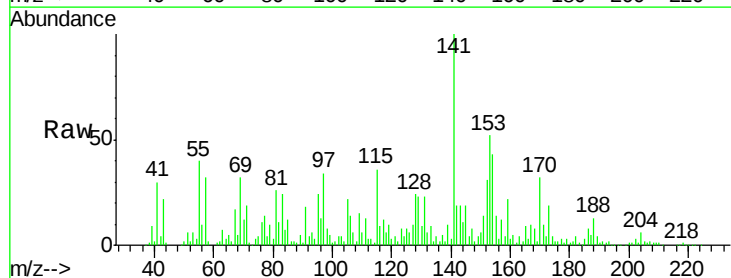


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

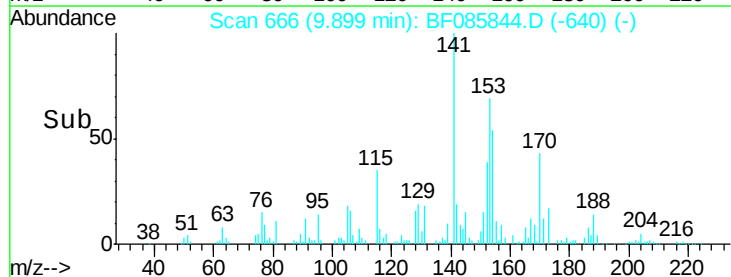
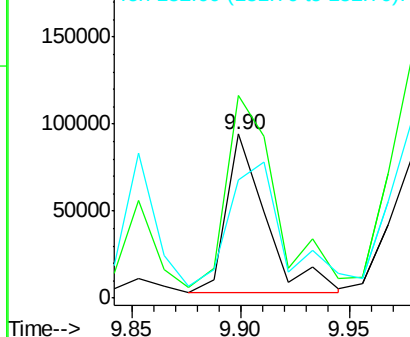


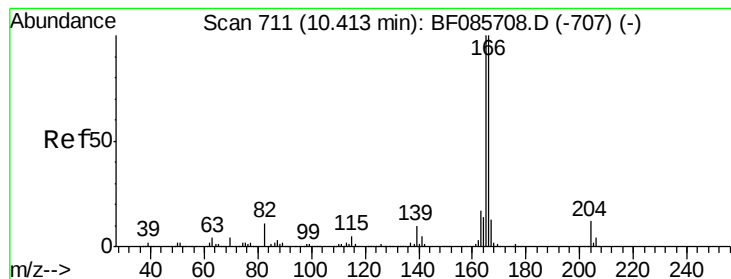
#51
Acenaphthene
Concen: 12.29 ng
RT: 9.90 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF085844.D
Acq: 29 Mar 2016 11:15

Tgt Ion:154 Resp: 114281
Ion Ratio Lower Upper
154 100
153 123.1 90.1 135.1
152 71.9 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: 20.58 ng

RT: 10.41 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Instrument :

BNA_F

ClientSampleId :

4DL

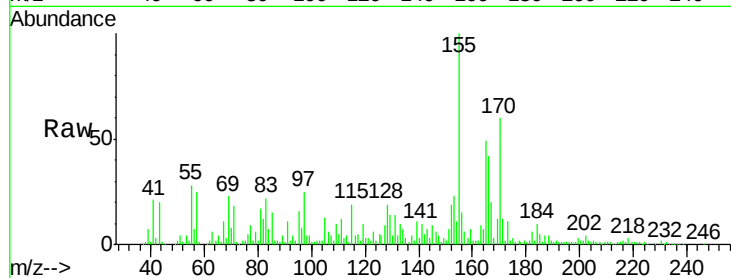
Tgt Ion:166 Resp: 205928

Ion Ratio Lower Upper

166 100

165 115.8 79.4 119.0

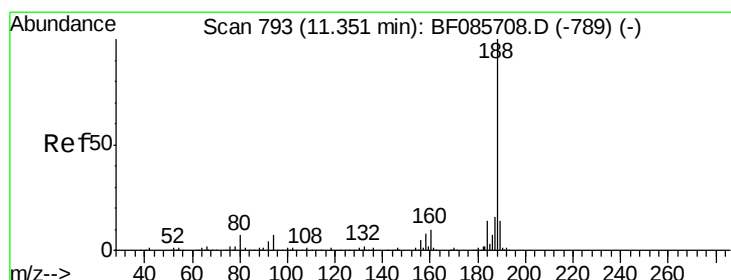
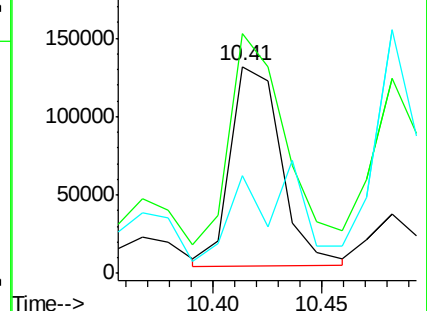
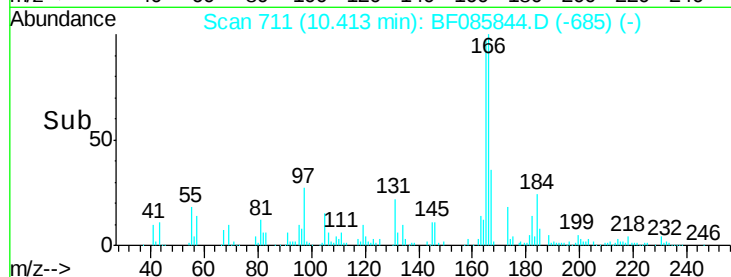
167 47.0 11.0 16.4#



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: 11.35 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

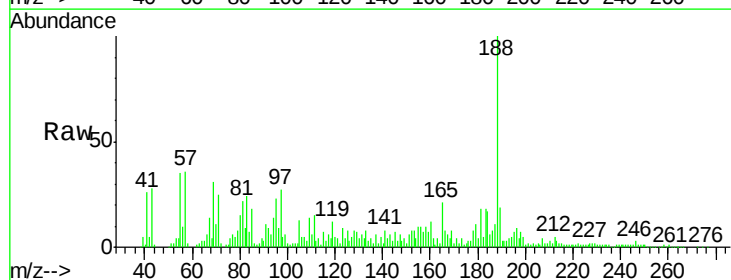
Tgt Ion:188 Resp: 253924

Ion Ratio Lower Upper

188 100

94 13.9 5.4 8.0#

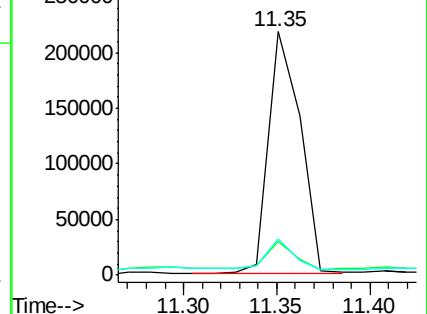
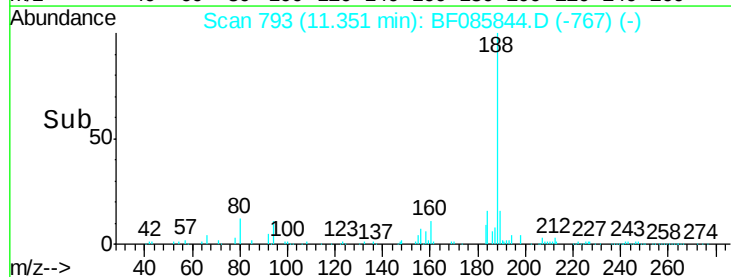
80 14.7 5.5 8.3#

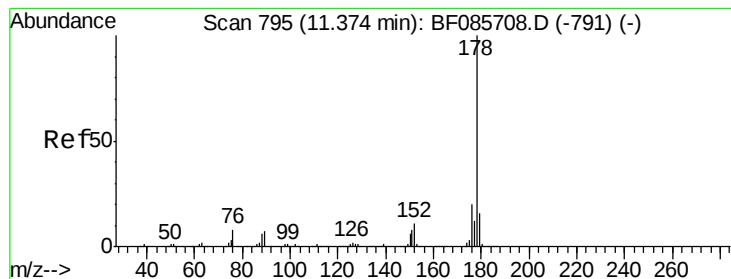


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 62.78 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Instrument :

BNA_F

ClientSampleId :

4DL

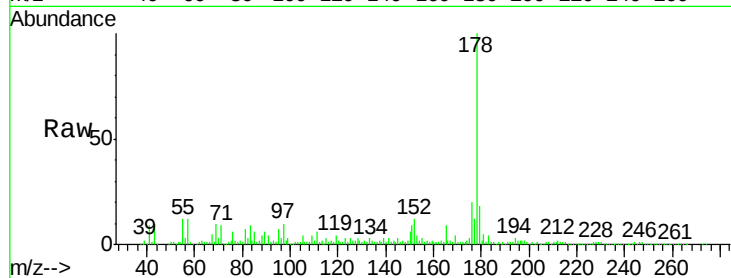
Tgt Ion:178 Resp: 818559

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

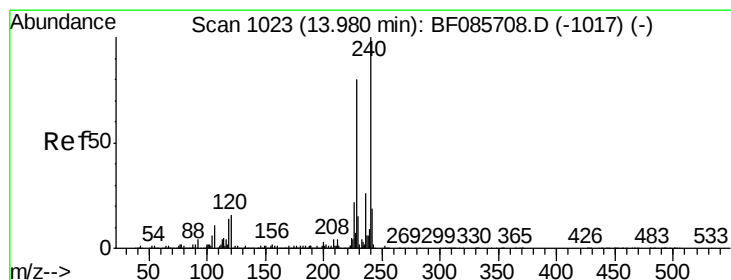
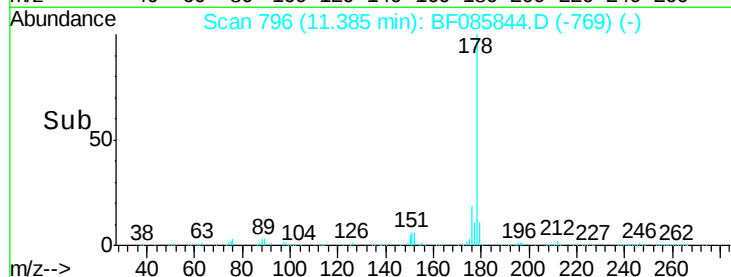
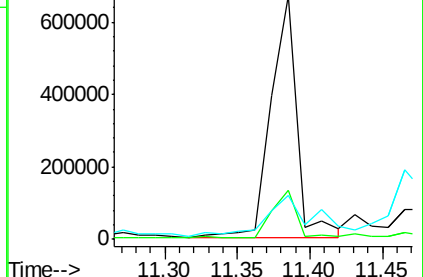
179 18.1 12.6 18.8



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: BF085844.D

Acq: 29 Mar 2016 11:15

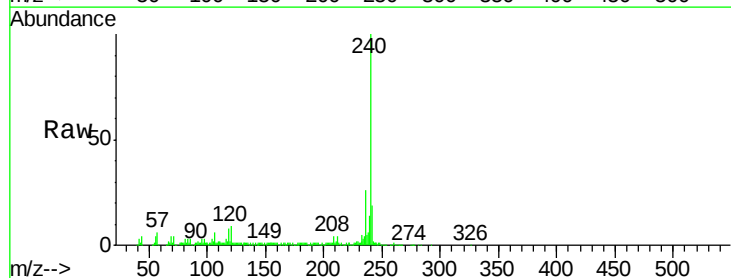
Tgt Ion:240 Resp: 200638

Ion Ratio Lower Upper

240 100

120 9.0 13.8 20.8#

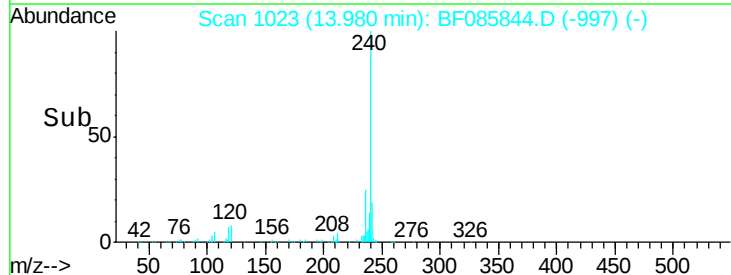
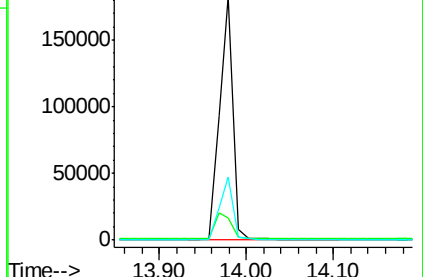
236 25.9 20.6 30.8

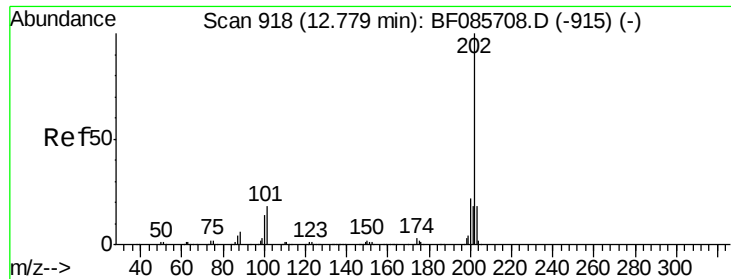


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.54 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

Instrument :

BNA_F

ClientSampleId :

4DL

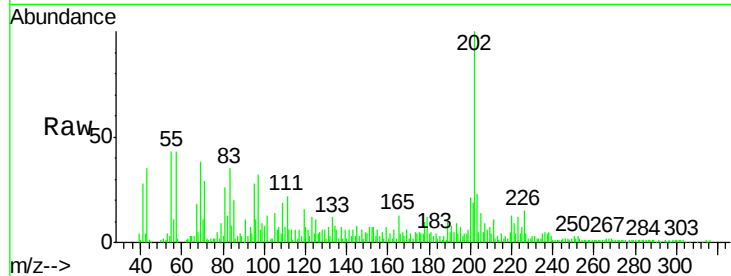
Tgt Ion:202 Resp: 107783

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 23.2 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

120000

100000

80000

60000

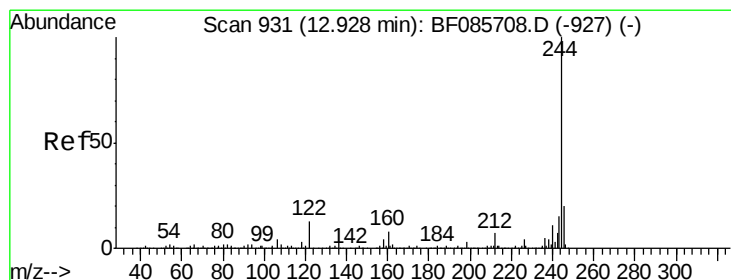
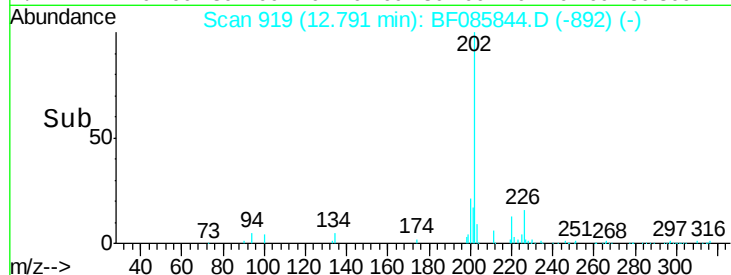
40000

20000

0

12.75 12.80

Time-->



#78

Terphenyl-d14

Concen: 31.65 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085844.D

Acq: 29 Mar 2016 11:15

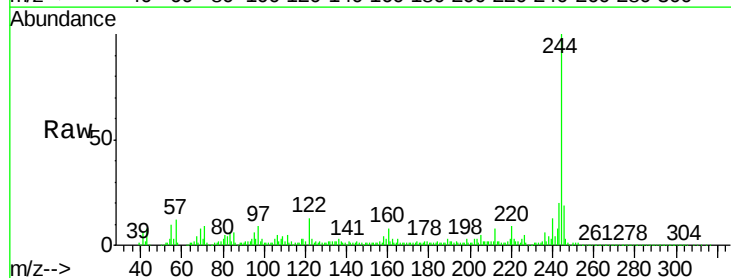
Tgt Ion:244 Resp: 308752

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 12.6 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

500000

400000

300000

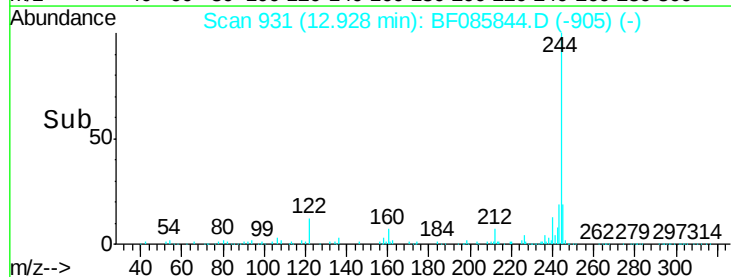
200000

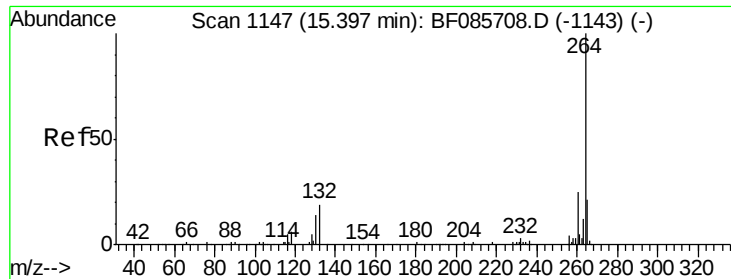
100000

0

12.80 12.90 13.00 13.10

Time-->

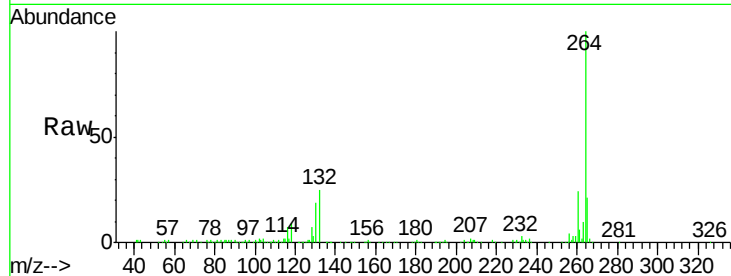




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085844.D
Acq: 29 Mar 2016 11:15

Instrument :
BNA_F
ClientSampleId :
4DL

Tgt Ion: 264 Resp: 215202
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.2 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

