

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085773.D
 Acq On : 25 Mar 2016 20:46
 Operator : UM/SJ
 Sample : H1855-09 2X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Quant Time: Mar 25 21:55:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	113204	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	401653	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	170100	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	269361	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	241677	20.00	ng	0.00
86) Perylene-d12	15.40	264	206943	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	22273	3.28	ng	0.01
7) Phenol-d6	6.46	99	30888	3.57	ng	0.00
23) Nitrobenzene-d5	7.38	82	14157	1.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	4455	2.76	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	25782	2.53	ng	-0.01
78) Terphenyl-d14	12.93	244	20006	1.70	ng	0.00

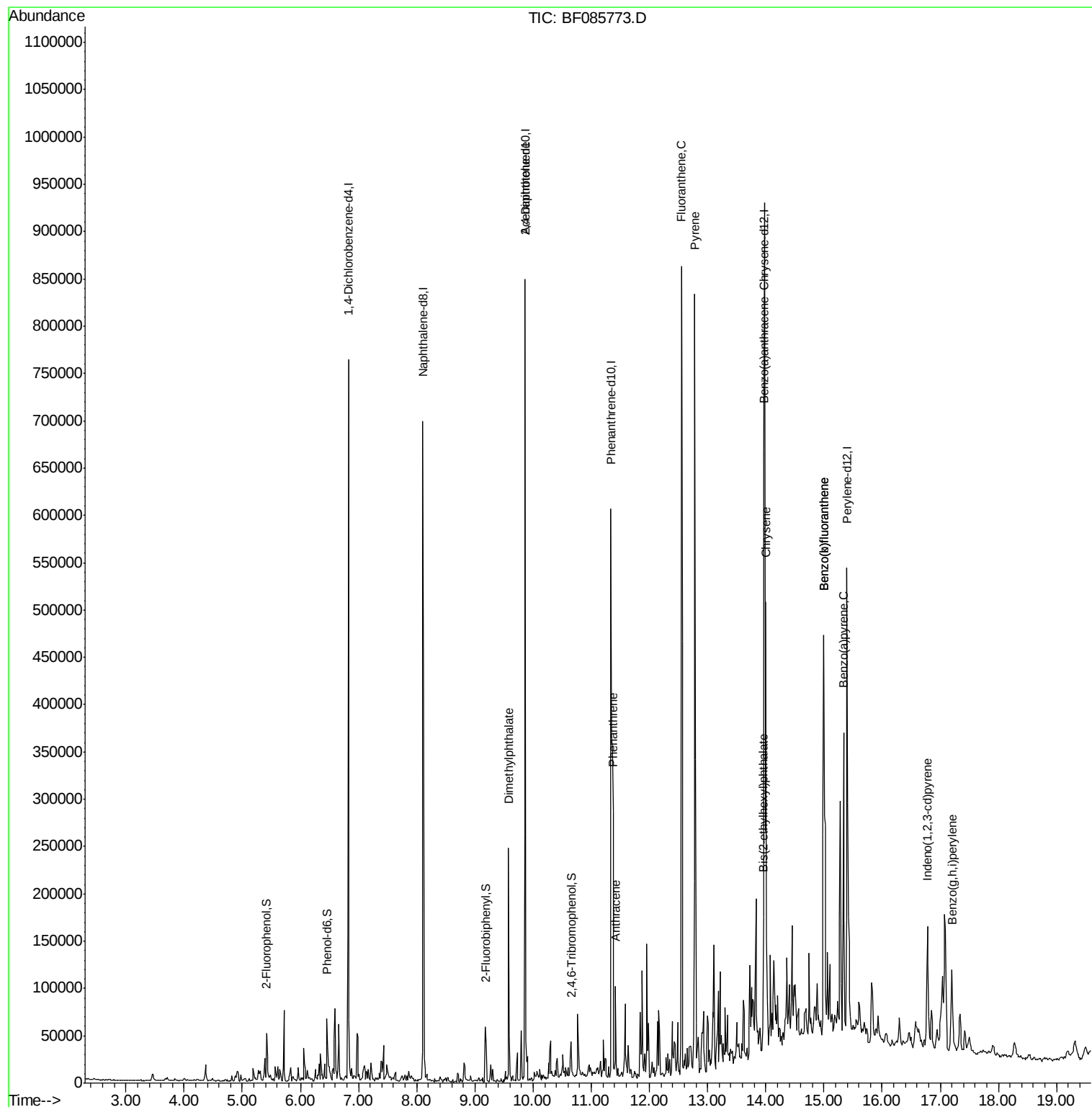
Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.82	142	2465	Below Cal		93
49) Dimethylphthalate	9.58	163	89140	6.91	ng	99
56) 2,4-Dinitrotoluene	9.86	165	21745	6.16	ng	# 37
70) Phenanthrene	11.37	178	182432	13.19	ng	98
71) Anthracene	11.42	178	36226	2.49	ng	98
74) Fluoranthene	12.55	202	395910	26.93	ng	99
77) Pyrene	12.78	202	366898	18.47	ng	99
80) Benzo(a)anthracene	13.97	228	191394	13.89	ng	97
82) Chrysene	14.00	228	148070	10.67	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	21130	2.12	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.78	276	75074	7.00	ng	95
87) Benzo(b)fluoranthene	15.00	252	292598	22.44	ng	99
88) Benzo(k)fluoranthene	15.00	252	292598	24.90	ng	# 98
89) Benzo(a)pyrene	15.34	252	140023	12.10	ng	98
91) Benzo(g,h,i)perylene	17.20	276	75325	6.92	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: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampleId :

SB-6

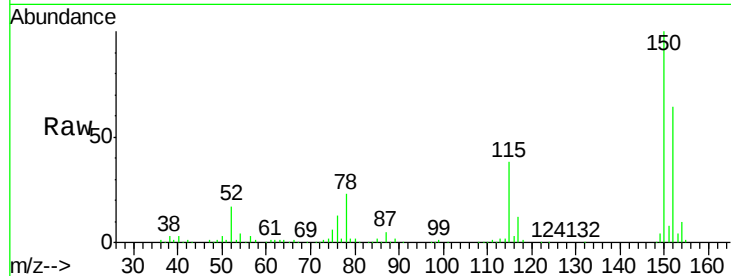
Tgt Ion:152 Resp: 113204

Ion Ratio Lower Upper

152 100

150 155.7 124.2 186.2

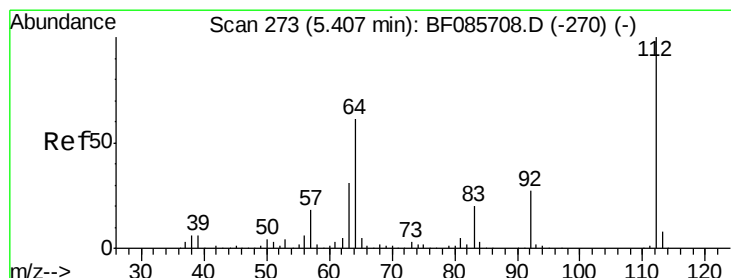
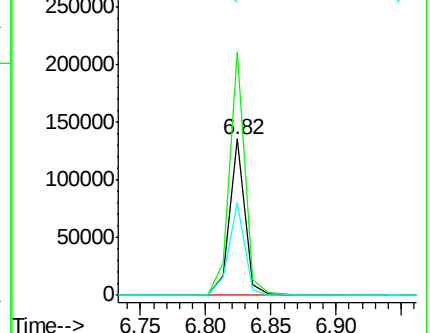
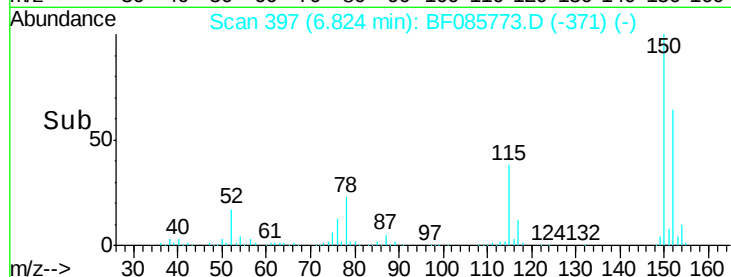
115 59.6 47.0 70.6



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: 3.28 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

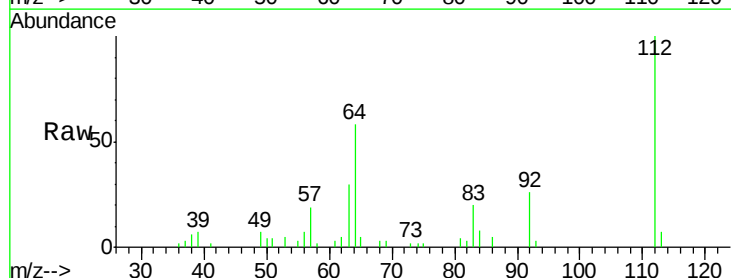
Tgt Ion:112 Resp: 22273

Ion Ratio Lower Upper

112 100

64 57.6 39.9 59.9

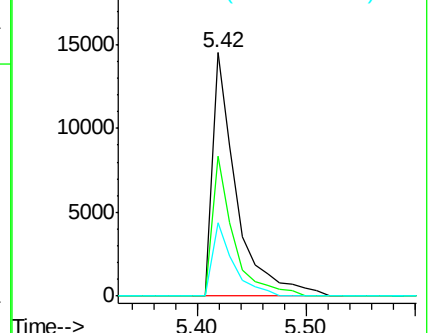
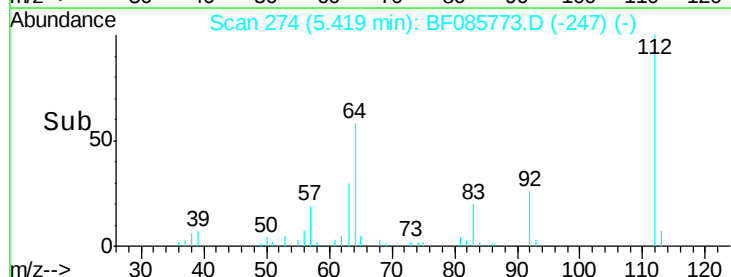
63 30.0 20.2 30.2



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: 3.57 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampleId :

SB-6

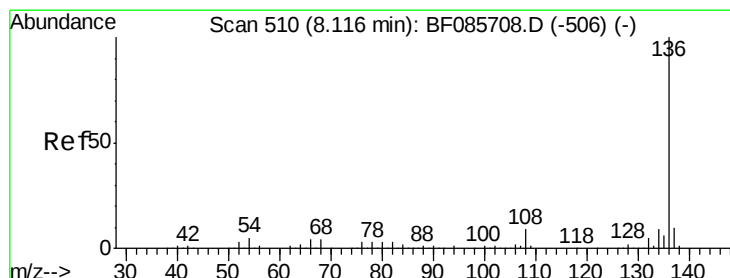
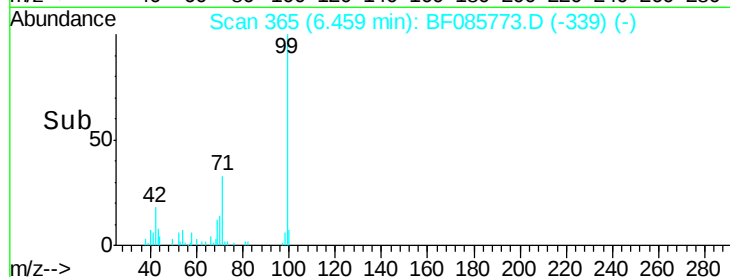
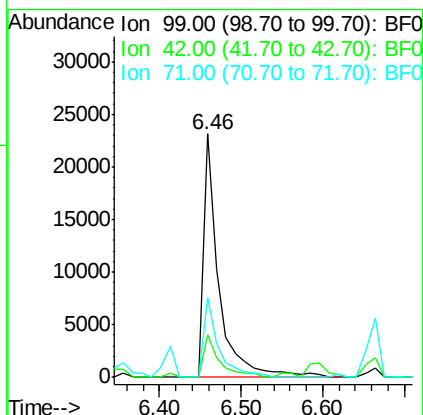
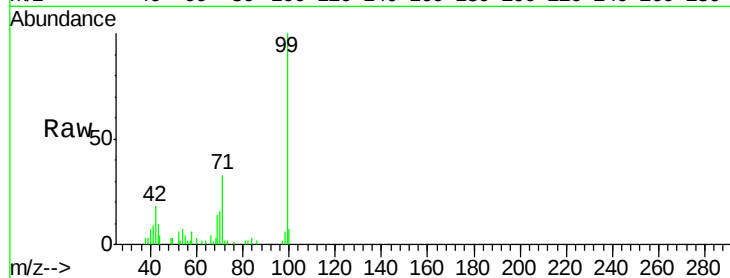
Tgt Ion: 99 Resp: 30888

Ion Ratio Lower Upper

99 100

42 17.8 11.1 16.7#

71 32.8 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Tgt Ion: 136 Resp: 401653

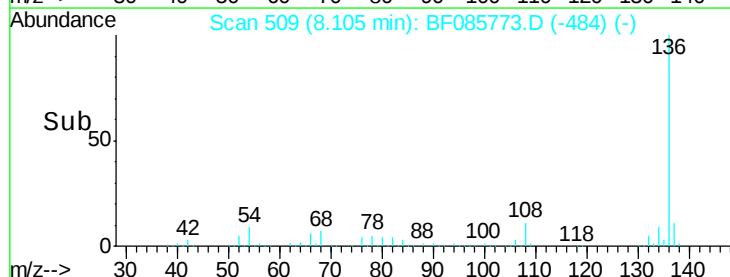
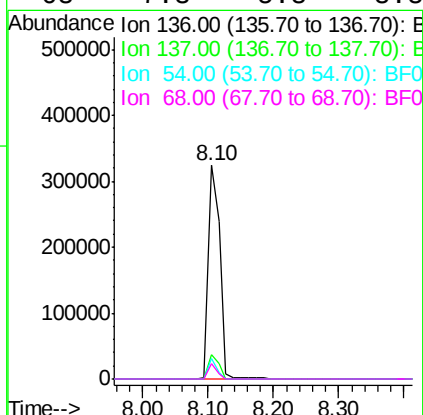
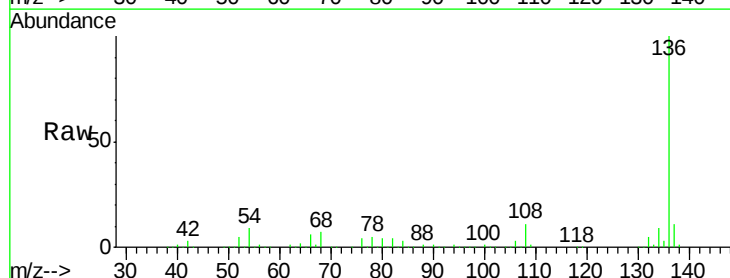
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.4 7.4 11.0

68 7.3 5.8 8.8

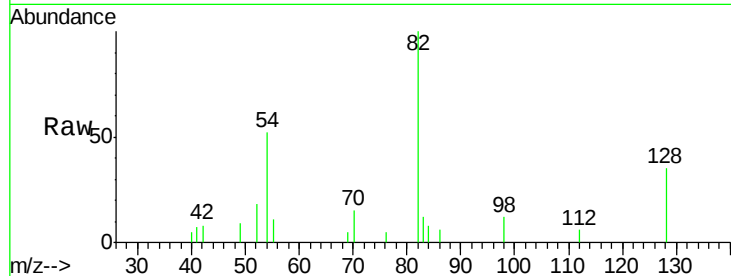




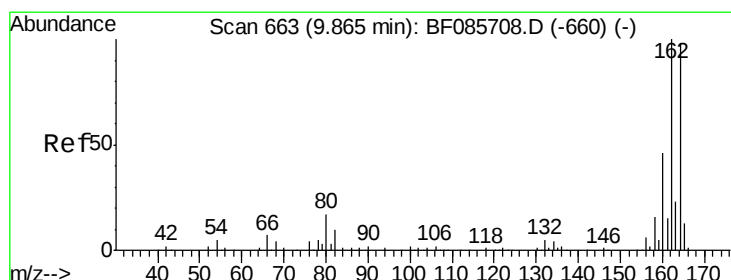
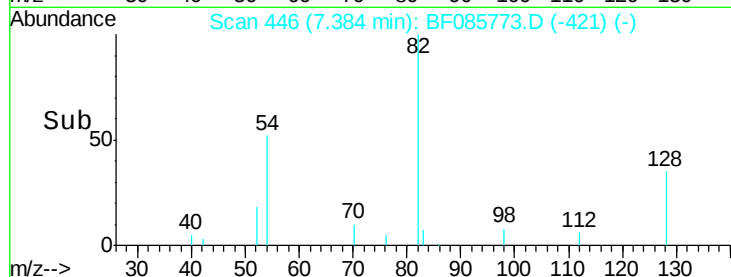
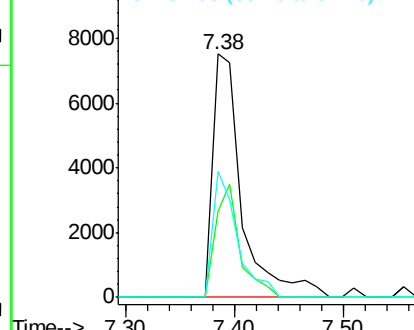
#23
 Nitrobenzene-d5
 Concen: 1.98 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Instrument :
 BNA_F
 ClientSampleID :
 SB-6

Tgt Ion: 82 Resp: 14157
 Ion Ratio Lower Upper
 82 100
 128 35.4 41.8 62.8#
 54 51.9 33.4 50.0#

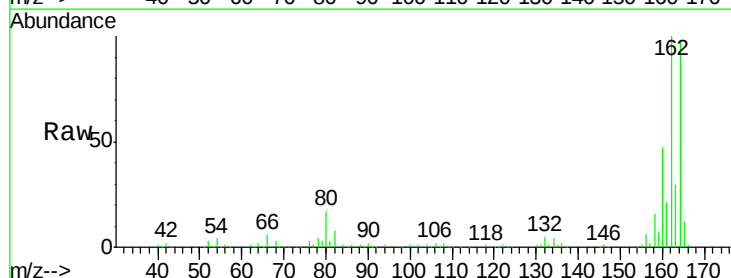


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

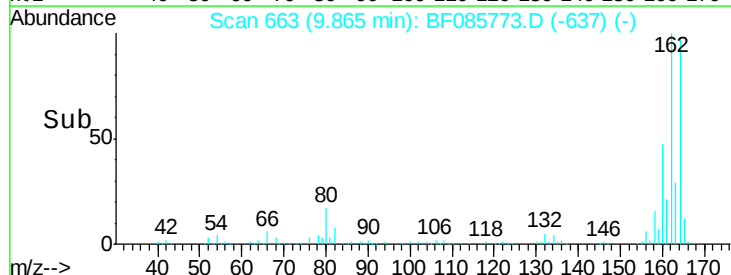
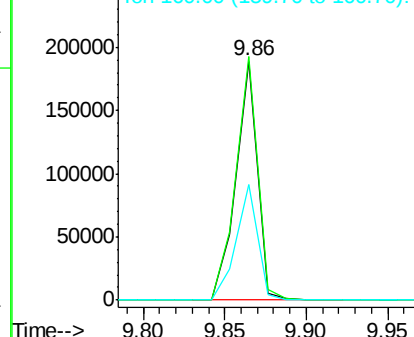


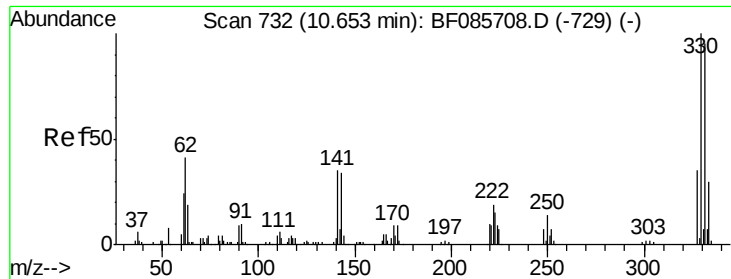
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Tgt Ion: 164 Resp: 170100
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.1 123.1
 160 48.2 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

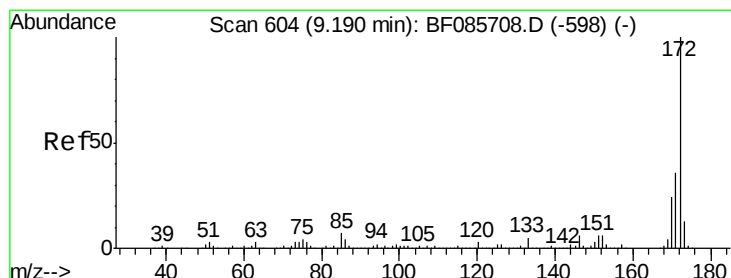
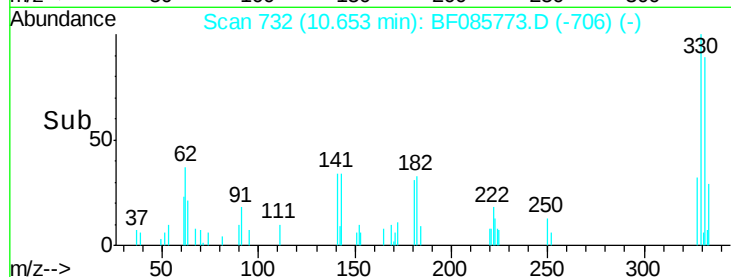
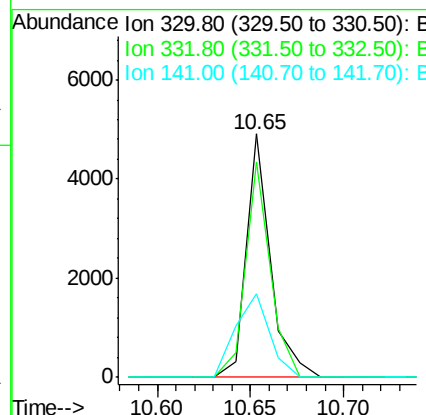
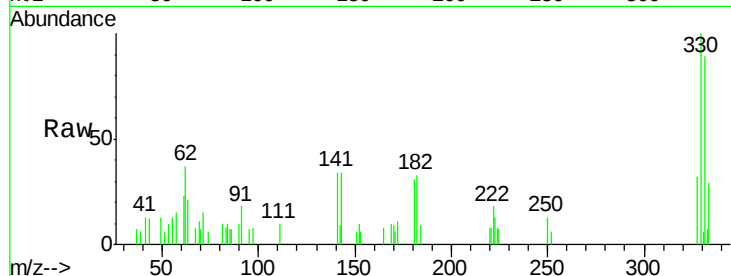




#41
 2,4,6-Tribromophenol
 Concen: 2.76 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

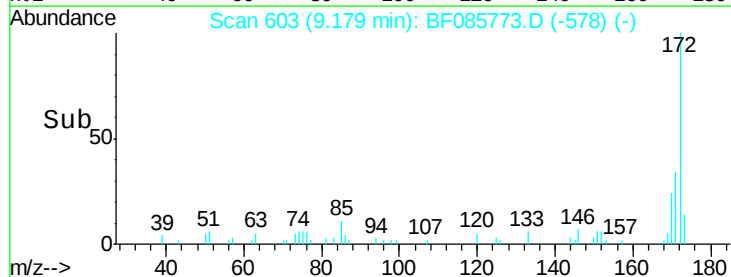
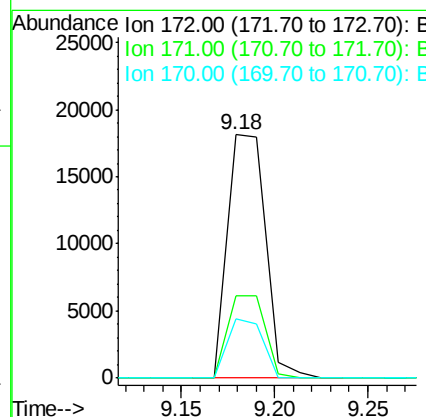
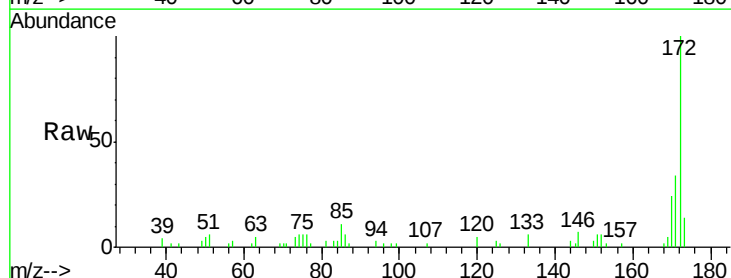
Instrument :
 BNA_F
 ClientSampleId :
 SB-6

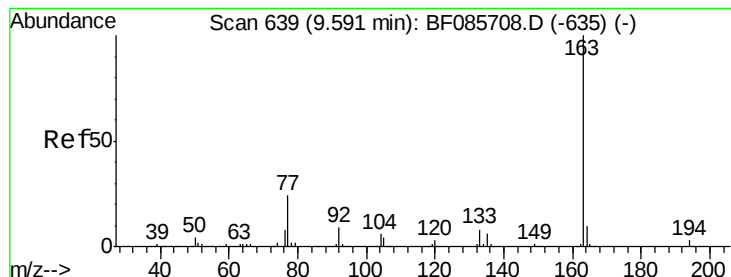
Tgt Ion:330 Resp: 4455
 Ion Ratio Lower Upper
 330 100
 332 90.0 78.2 117.2
 141 48.1 31.5 47.3#



#44
 2-Fluorobiphenyl
 Concen: 2.53 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Tgt Ion:172 Resp: 25782
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.4 44.2
 170 24.3 19.8 29.6





#49

Dimethylphthalate

Concen: 6.91 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampled :

SB-6

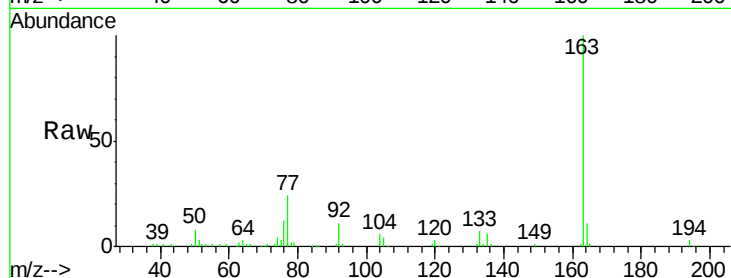
Tgt Ion:163 Resp: 89140

Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

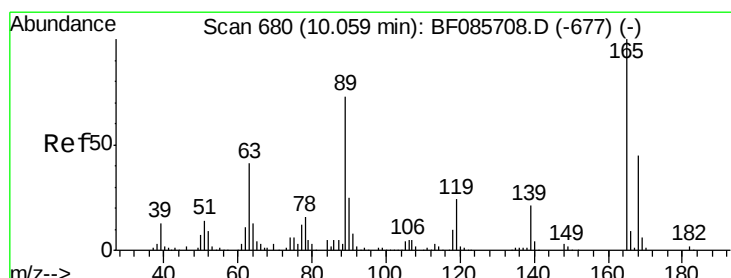
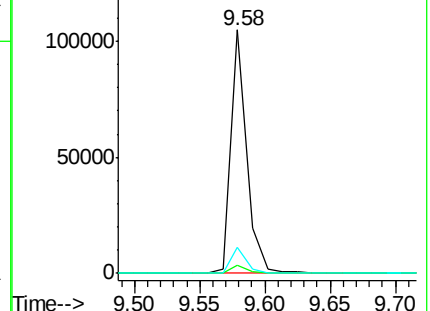
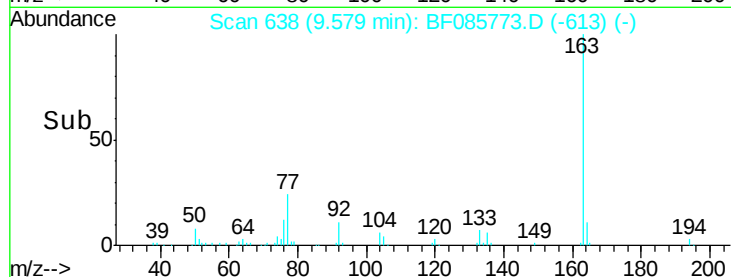
164 10.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.16 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Tgt Ion:165 Resp: 21745

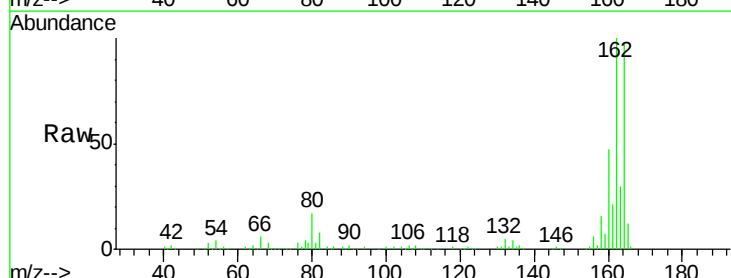
Ion Ratio Lower Upper

165 100

63 1.8 24.9 37.3#

89 1.8 41.0 61.6#

182 0.0 2.1 3.1#

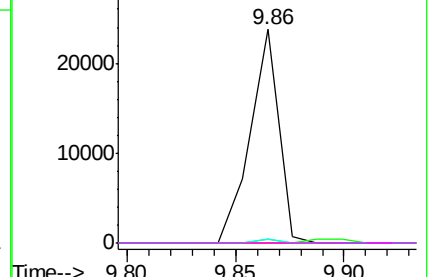
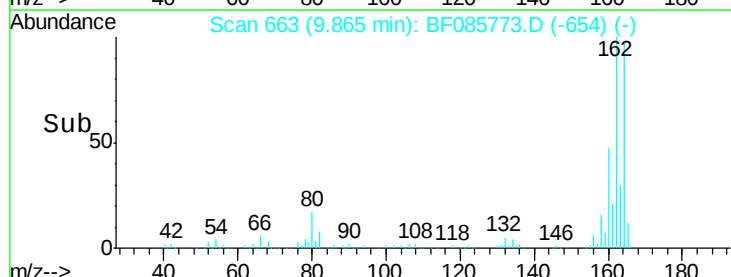


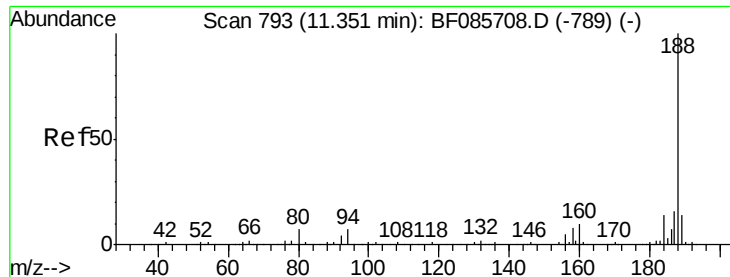
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

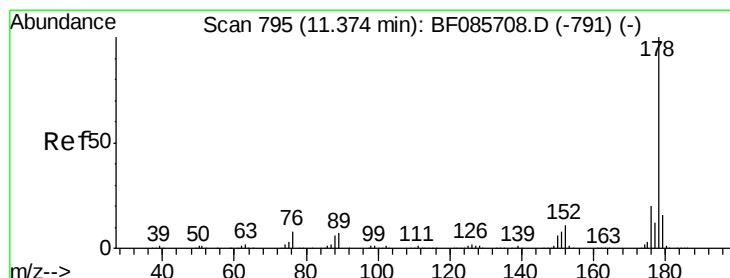
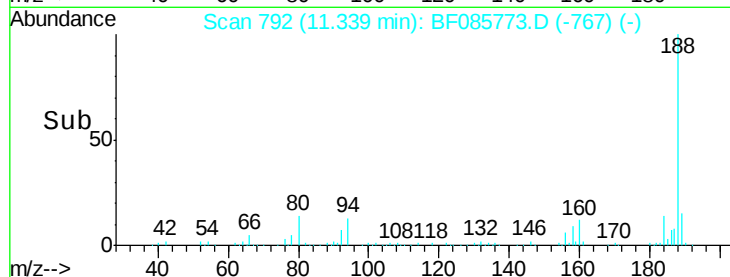
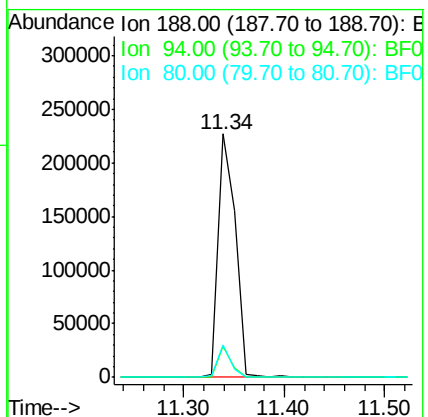
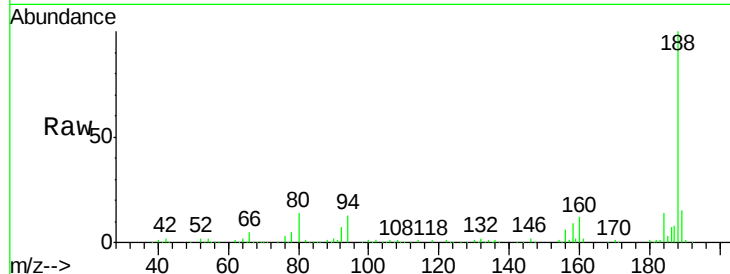




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085773.D
Acq: 25 Mar 2016 20:46

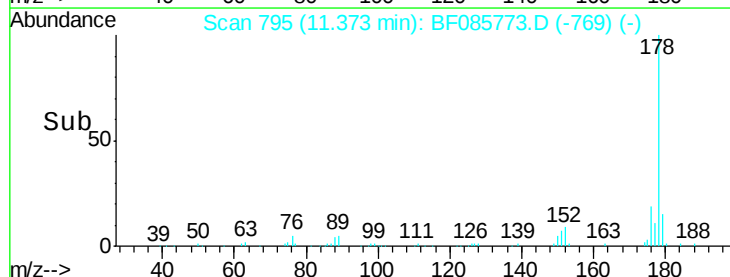
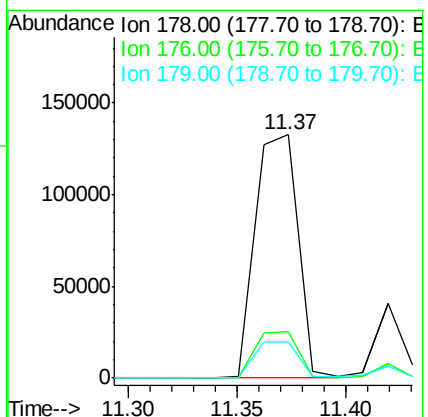
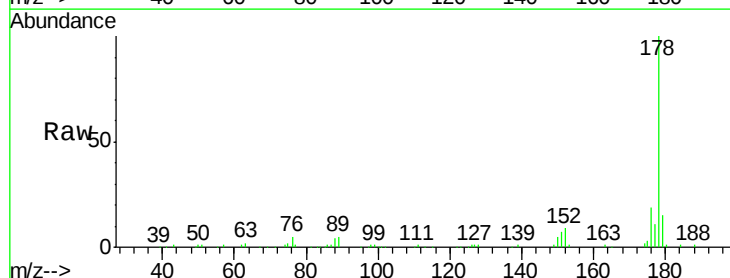
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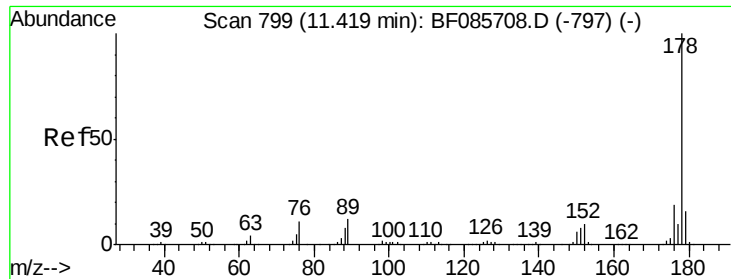
Tgt Ion:188 Resp: 269361
Ion Ratio Lower Upper
188 100
94 12.8 5.4 8.0#
80 13.5 5.5 8.3#



#70
Phenanthrene
Concen: 13.19 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085773.D
Acq: 25 Mar 2016 20:46

Tgt Ion:178 Resp: 182432
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 14.9 12.6 18.8

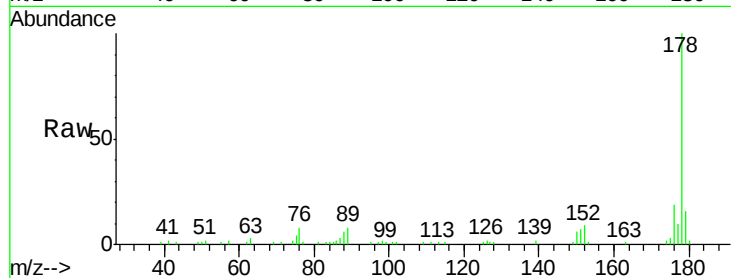




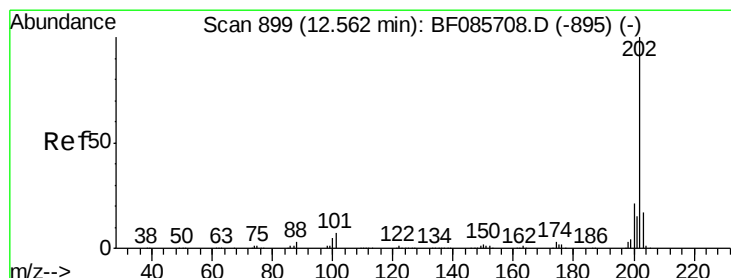
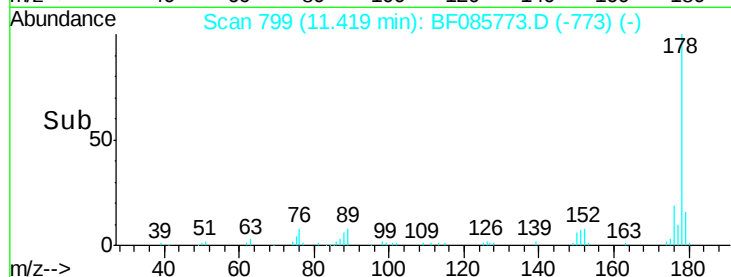
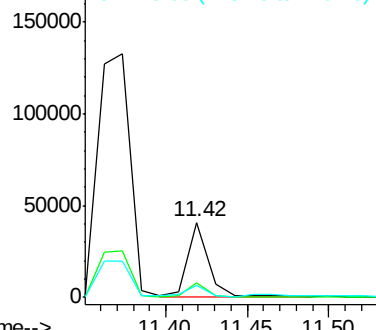
#71
 Anthracene
 Concen: 2.49 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tgt Ion:178 Resp: 36226
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 15.7 13.0 19.4

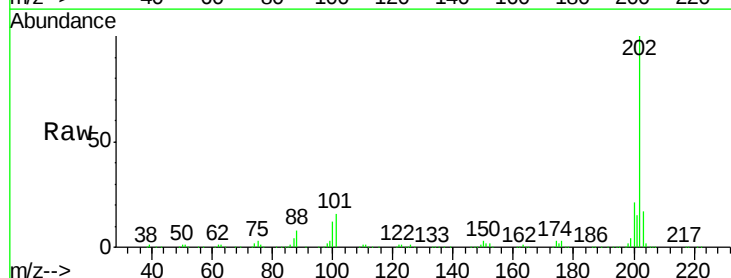


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

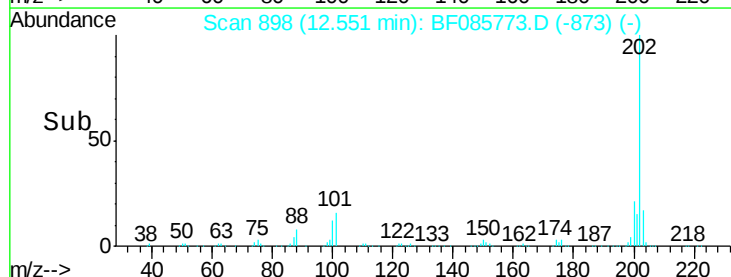
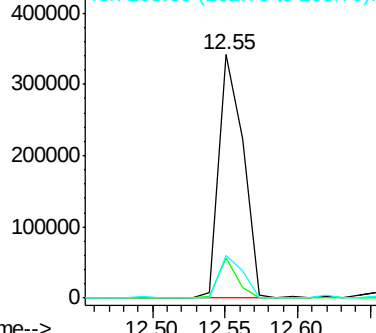


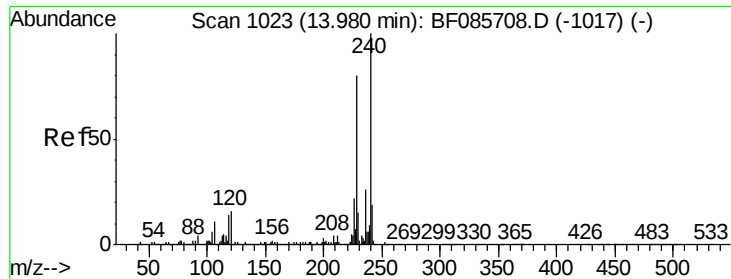
#74
 Fluoranthene
 Concen: 26.93 ng
 RT: 12.55 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Tgt Ion:202 Resp: 395910
 Ion Ratio Lower Upper
 202 100
 101 16.3 0.0 36.6
 203 17.4 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: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampleId :

SB-6

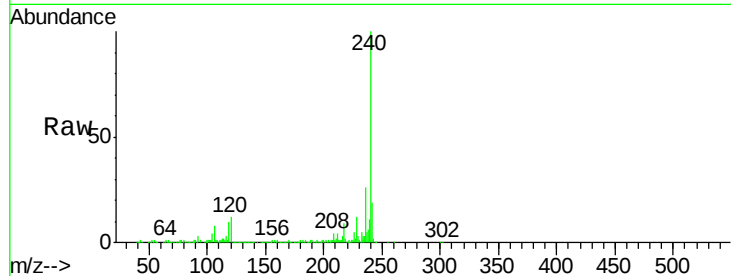
Tgt Ion:240 Resp: 241677

Ion Ratio Lower Upper

240 100

120 11.5 13.8 20.8#

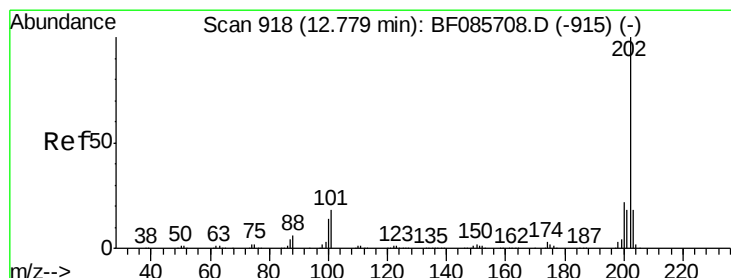
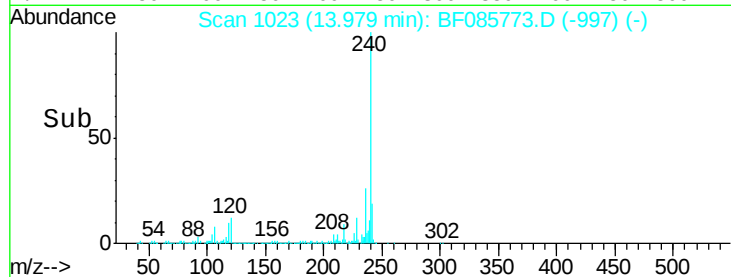
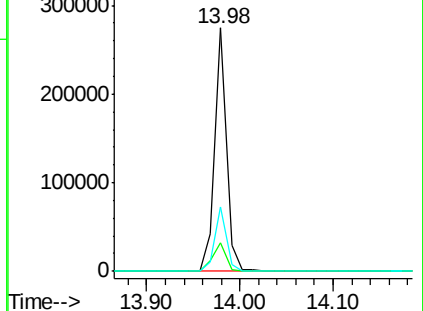
236 26.3 20.6 30.8



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: 18.47 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

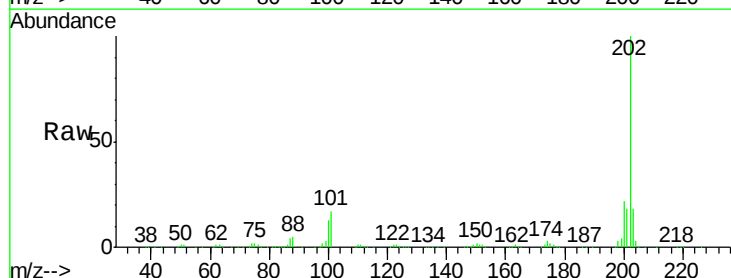
Tgt Ion:202 Resp: 366898

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

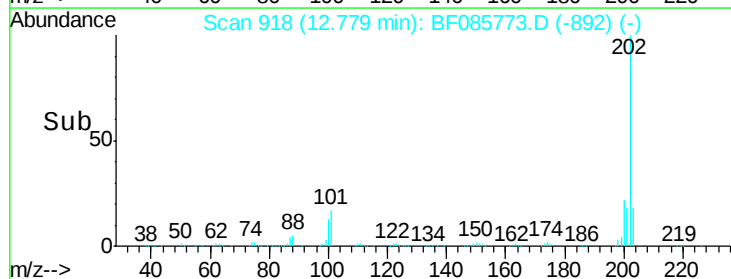
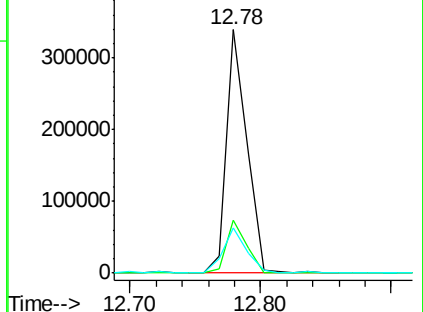
203 18.4 14.0 21.0

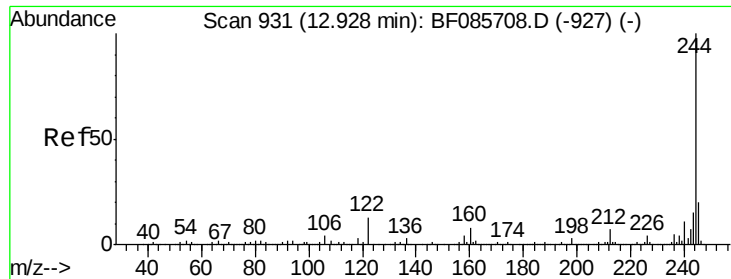


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

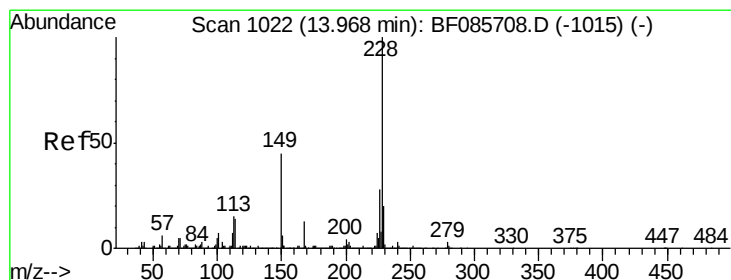
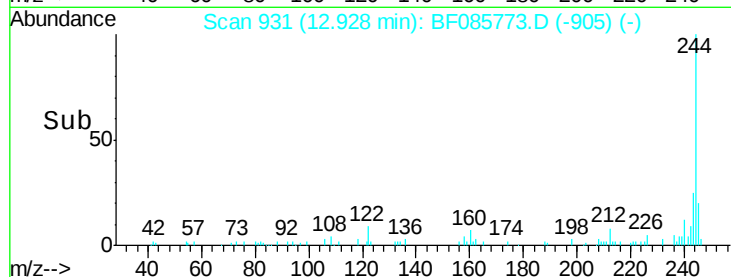
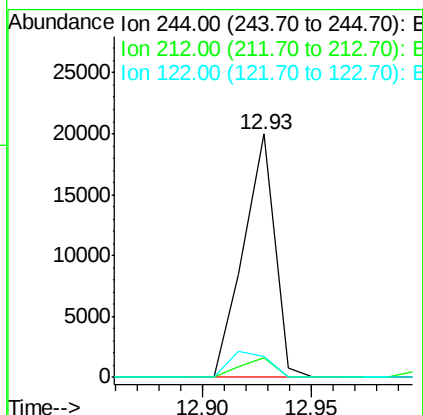
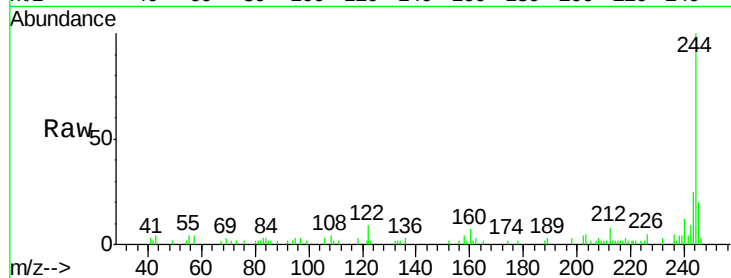




#78
 Terphenyl-d14
 Concen: 1.70 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

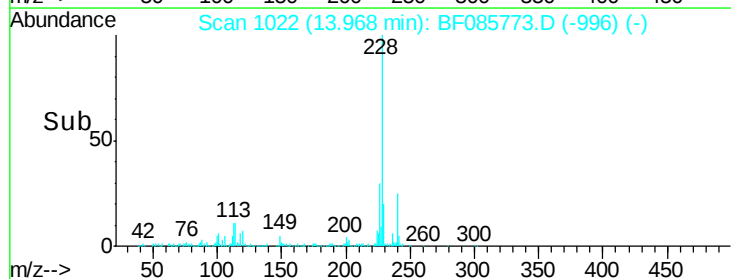
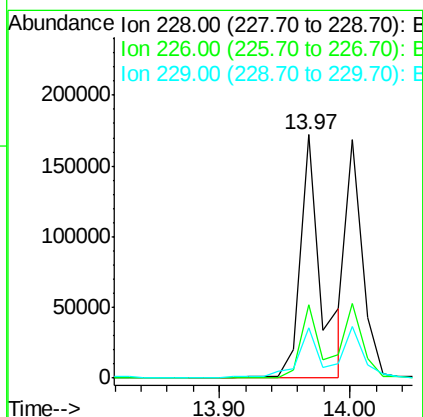
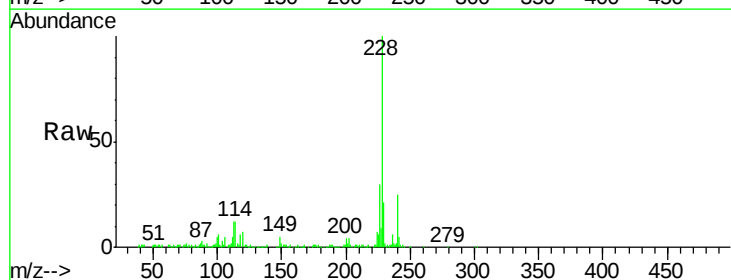
Instrument :
 BNA_F
 ClientSampleId :
 SB-6

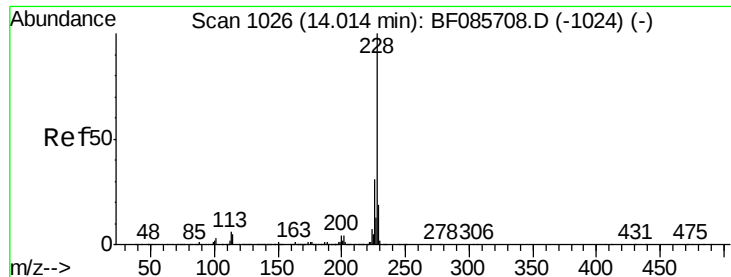
Tgt Ion:244 Resp: 20006
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 8.5 10.2 15.4#



#80
 Benzo(a)anthracene
 Concen: 13.89 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Tgt Ion:228 Resp: 191394
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 20.5 16.2 24.4





#82

Chrysene

Concen: 10.67 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampleId :

SB-6

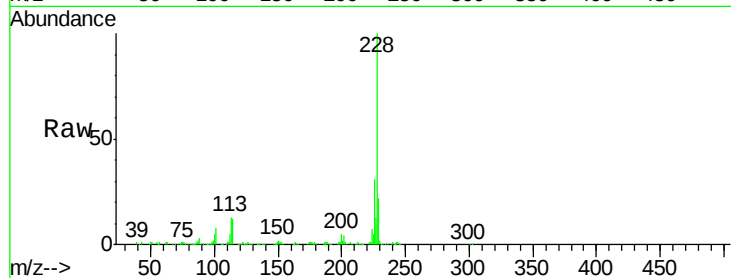
Tgt Ion: 228 Resp: 148070

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

229 21.5 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

200000

150000

100000

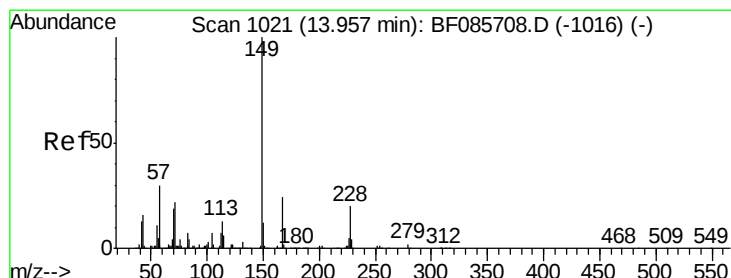
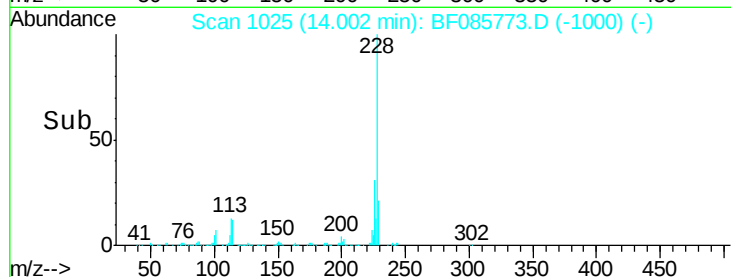
50000

0

14.00

14.05

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.12 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

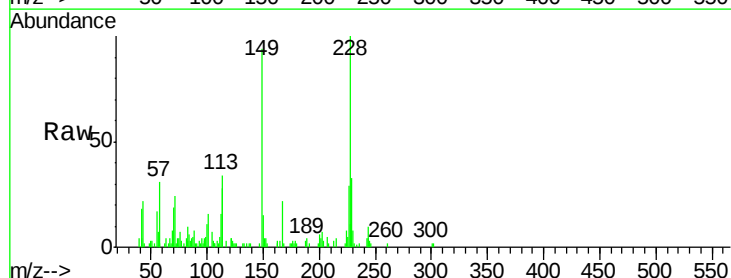
Tgt Ion: 149 Resp: 21130

Ion Ratio Lower Upper

149 100

167 24.0 19.4 29.2

279 0.0 1.5 2.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

25000

20000

15000

10000

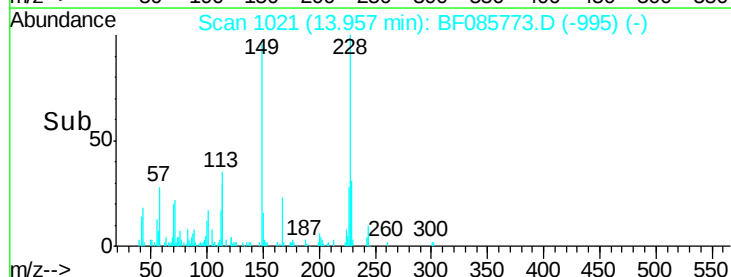
5000

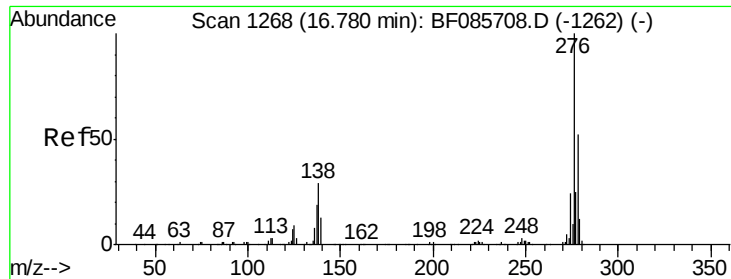
0

13.96

14.00

Time-->

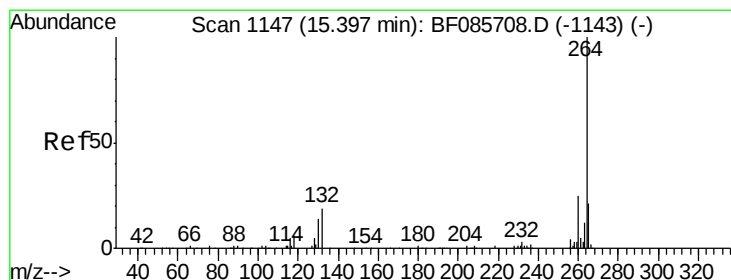
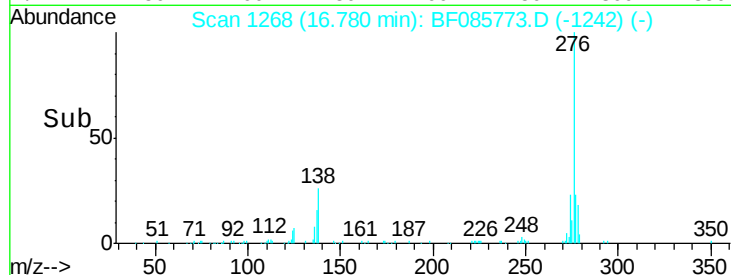
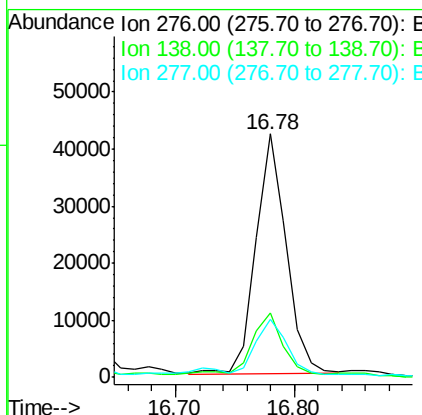
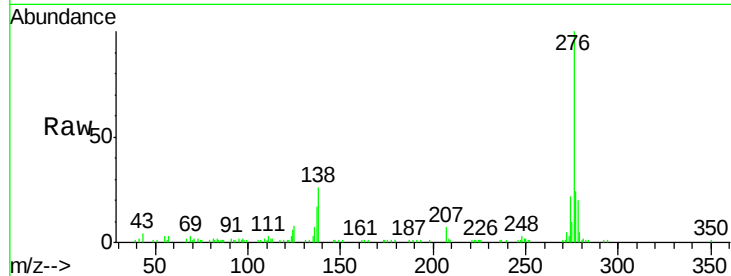




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.00 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

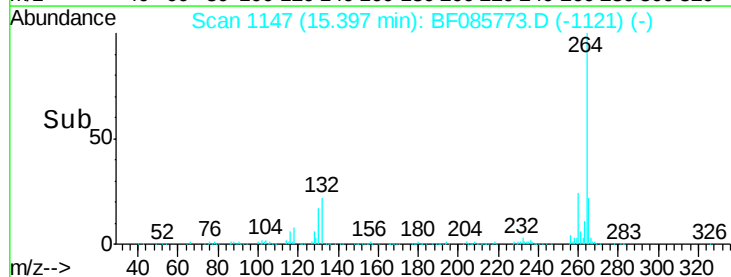
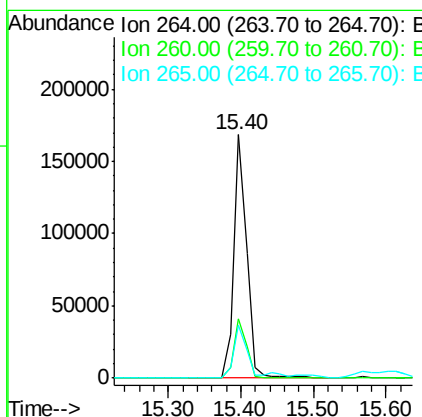
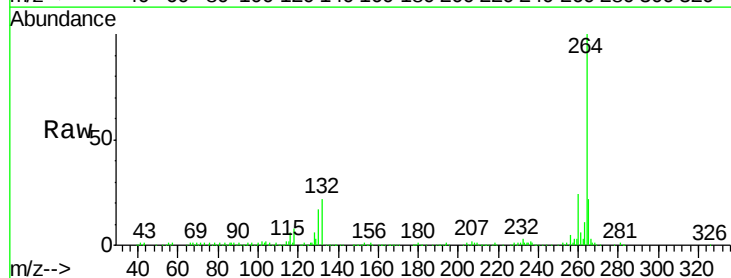
Instrument :
 BNA_F
 ClientSampleId :
 SB-6

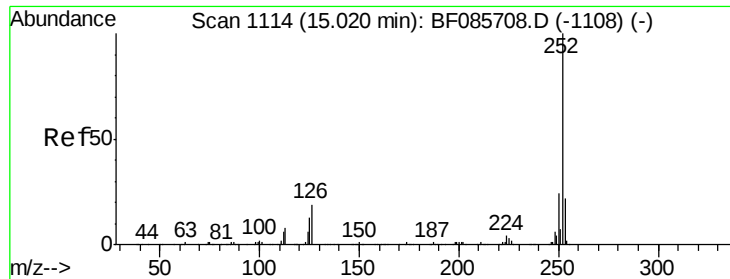
Tgt Ion: 276 Resp: 75074
 Ion Ratio Lower Upper
 276 100
 138 26.5 24.2 36.4
 277 23.7 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085773.D
 Acq: 25 Mar 2016 20:46

Tgt Ion: 264 Resp: 206943
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.8 17.2 25.8

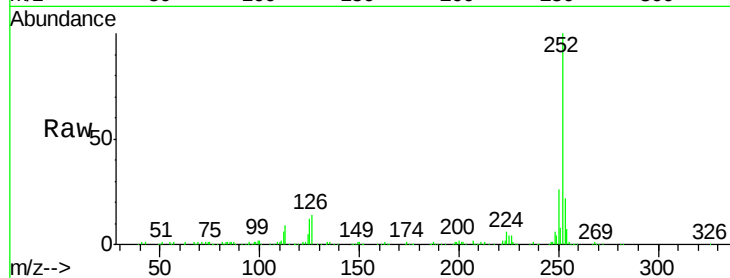




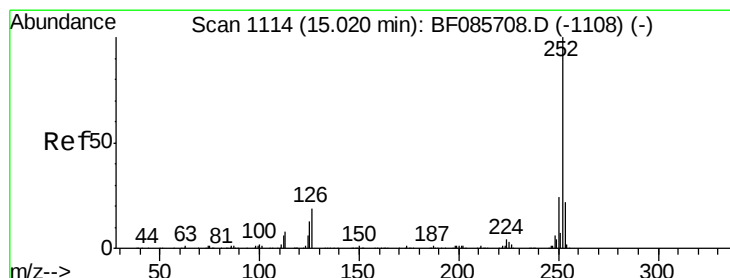
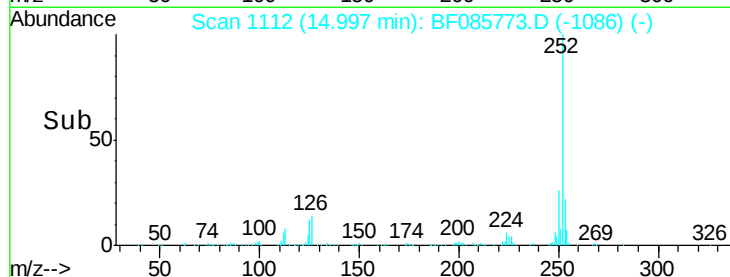
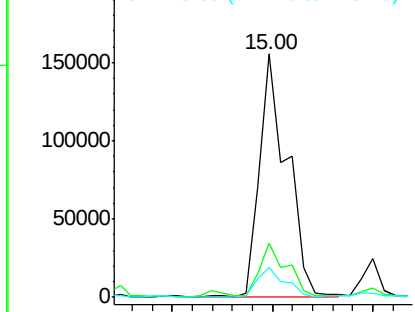
#87
Benzo(b)fluoranthene
Concen: 22.44 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085773.D
Acq: 25 Mar 2016 20:46

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.2	10.3	15.5

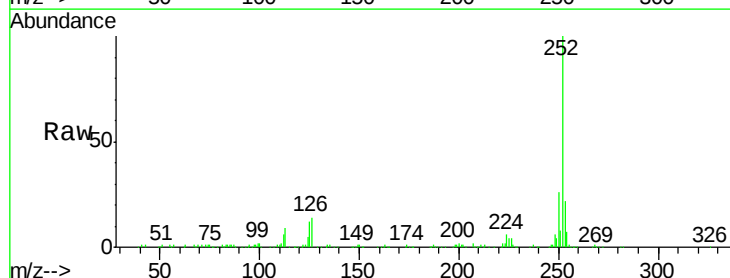


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

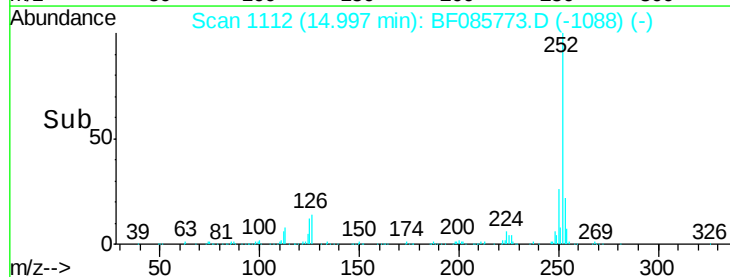
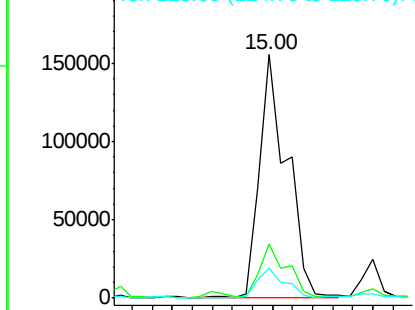


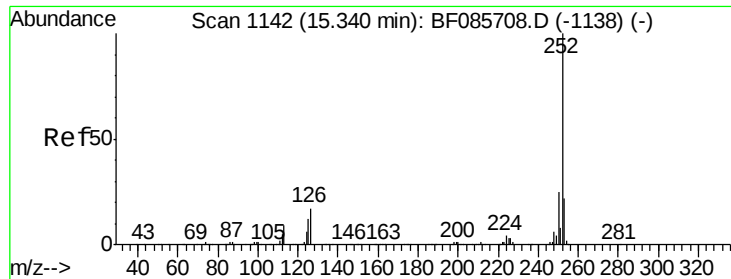
#88
Benzo(k)fluoranthene
Concen: 24.90 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085773.D
Acq: 25 Mar 2016 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	12.2	7.7	11.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.10 ng

RT: 15.34 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

Instrument :

BNA_F

ClientSampleId :

SB-6

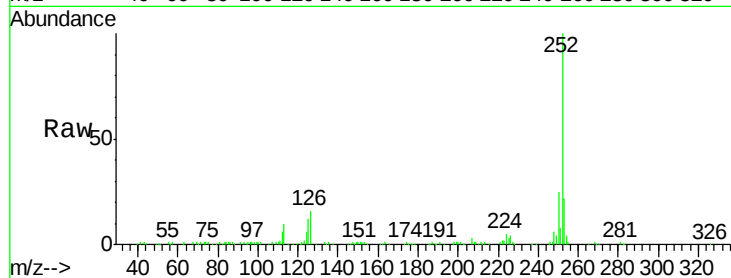
Tgt Ion:252 Resp: 140023

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

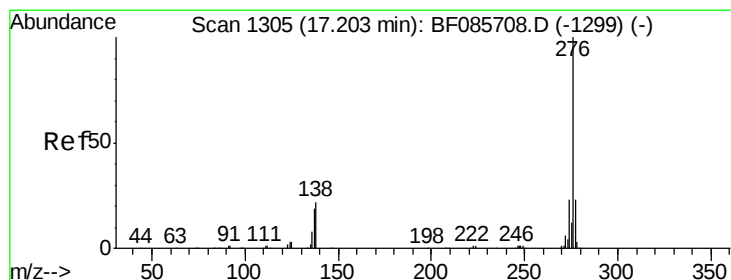
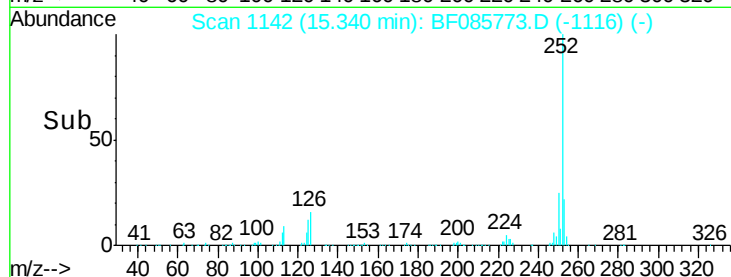
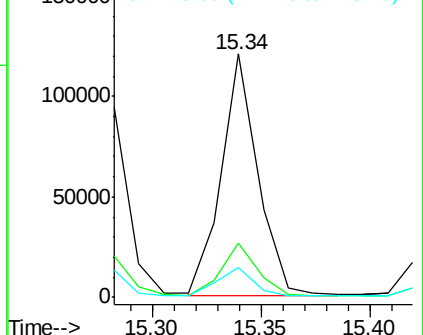
125 12.3 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.92 ng

RT: 17.20 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF085773.D

Acq: 25 Mar 2016 20:46

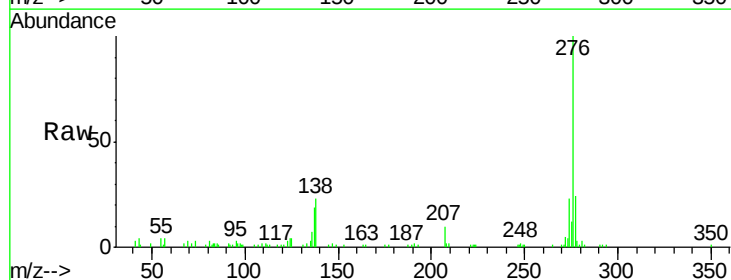
Tgt Ion:276 Resp: 75325

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 22.7 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

