

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085771.D
 Acq On : 25 Mar 2016 19:48
 Operator : UM/SJ
 Sample : H1855-07 2X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Quant Time: Mar 25 21:54:36 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

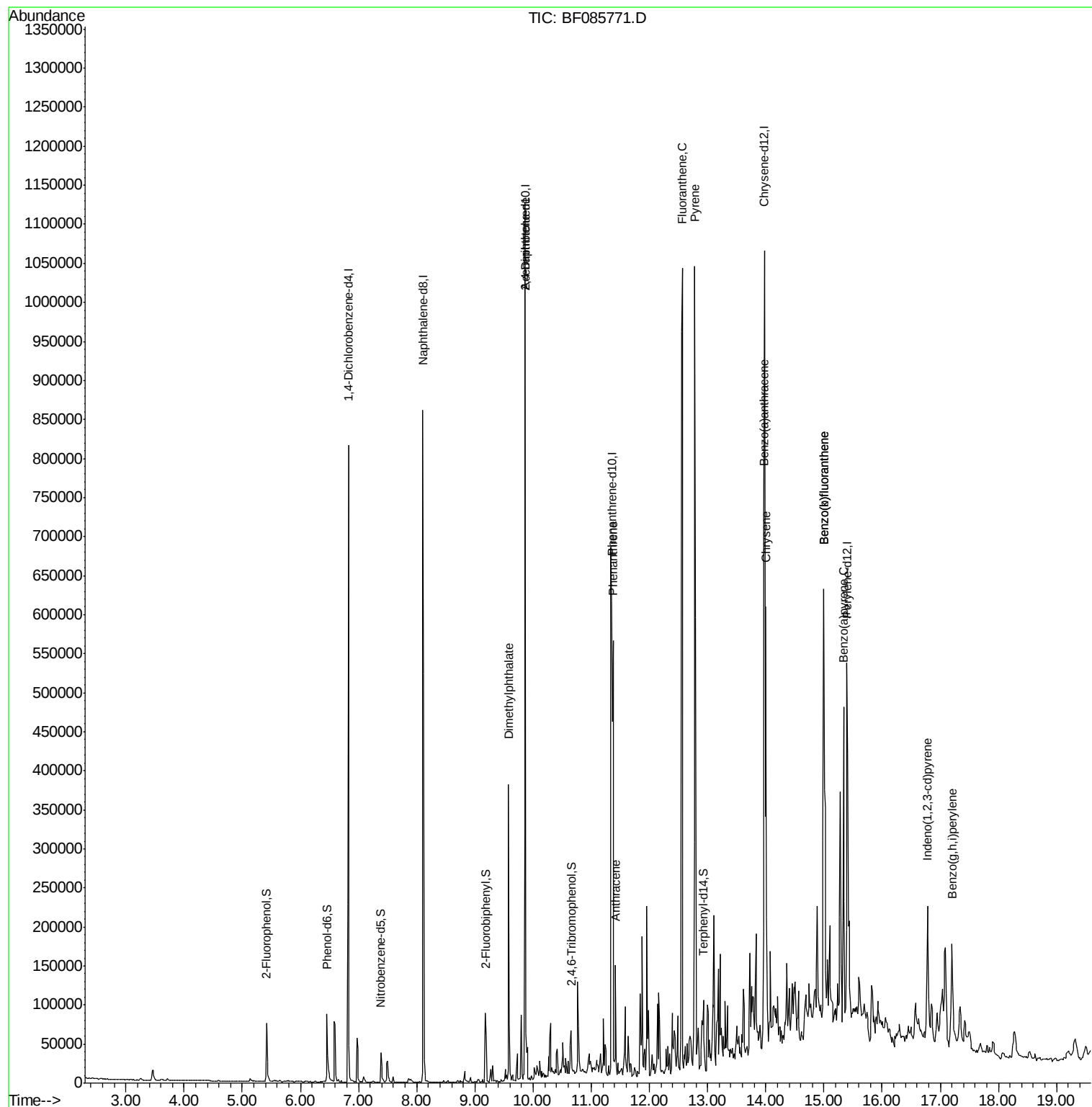
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	129235	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	495717	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	221667	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	357393	20.00	ng	0.00
75) Chrysene-d12	13.98	240	254321	20.00	ng	0.00
86) Perylene-d12	15.40	264	225690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	28972	3.73	ng	0.01
7) Phenol-d6	6.46	99	40228	4.08	ng	0.00
23) Nitrobenzene-d5	7.38	82	18674	2.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	6040	2.87	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	36292	2.74	ng	-0.01
78) Terphenyl-d14	12.93	244	26038	2.11	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	2920	Below Cal		Qvalue 93
49) Dimethylphthalate	9.58	163	138018	8.21 ng		100
56) 2,4-Dinitrotoluene	9.86	165	28432	6.18 ng	#	37
70) Phenanthrene	11.37	178	296208	16.14 ng		98
71) Anthracene	11.42	178	52442	2.72 ng		98
74) Fluoranthene	12.56	202	609202	31.23 ng		88
77) Pyrene	12.78	202	507161	24.26 ng		98
80) Benzo(a)anthracene	13.97	228	239772	16.53 ng		98
82) Chrysene	14.00	228	184771	12.65 ng		98
85) Indeno(1,2,3-cd)pyrene	16.78	276	105184	9.33 ng		94
87) Benzo(b)fluoranthene	15.00	252	360305	25.34 ng		99
88) Benzo(k)fluoranthene	15.00	252	360305	28.11 ng	#	98
89) Benzo(a)pyrene	15.34	252	173054	13.71 ng		98
91) Benzo(g,h,i)perylene	17.20	276	96314	8.11 ng		94

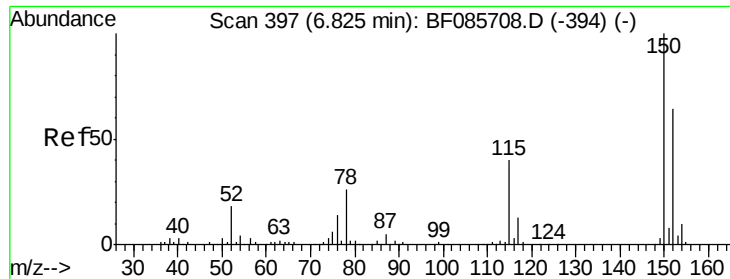
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

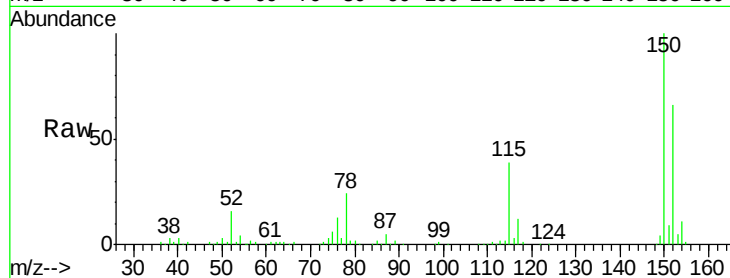
Tgt Ion:152 Resp: 129235

Ion Ratio Lower Upper

152 100

150 151.7 124.2 186.2

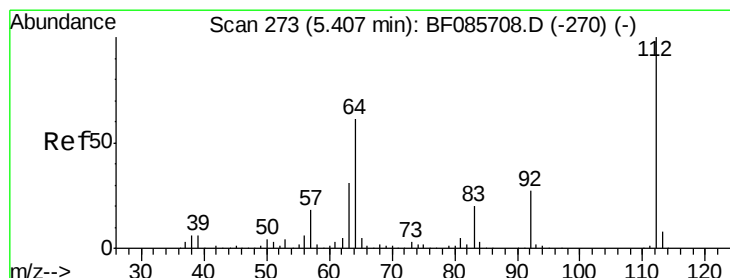
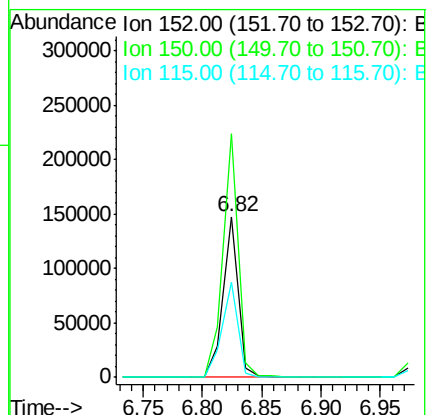
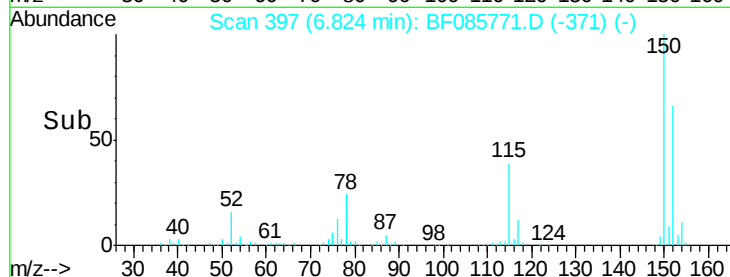
115 59.0 47.0 70.6



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: 3.73 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

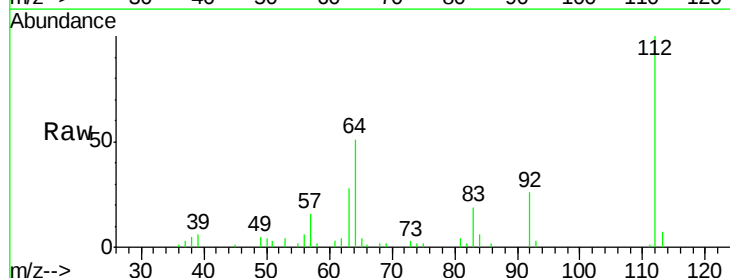
Tgt Ion:112 Resp: 28972

Ion Ratio Lower Upper

112 100

64 51.2 39.9 59.9

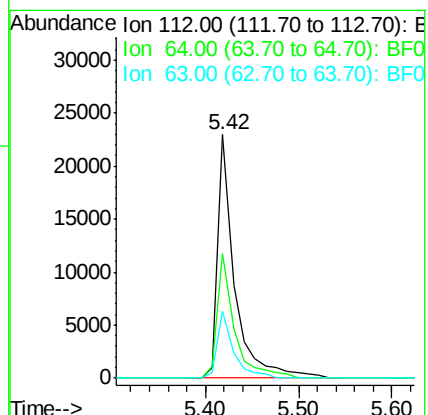
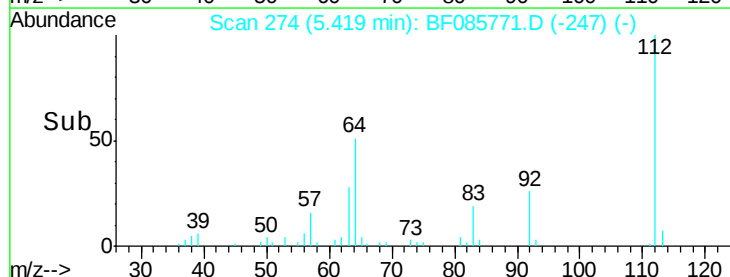
63 27.6 20.2 30.2



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: 4.08 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

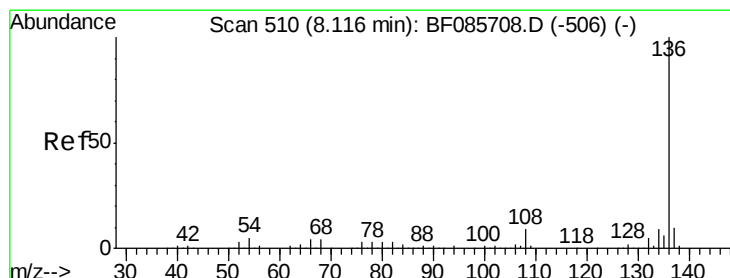
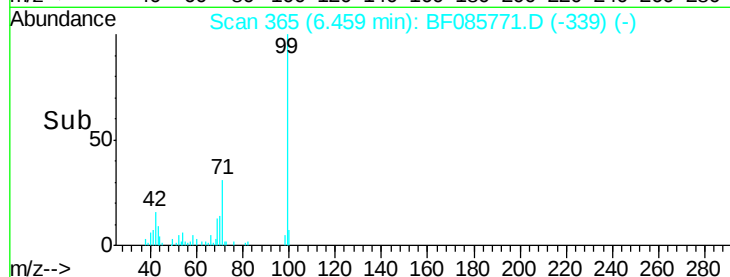
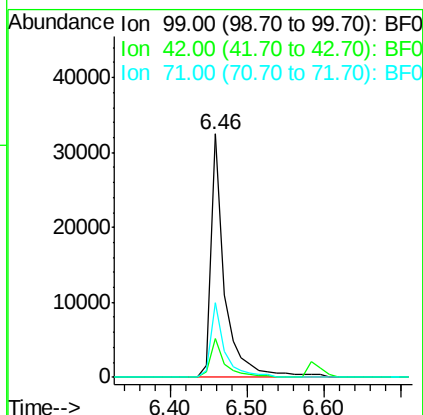
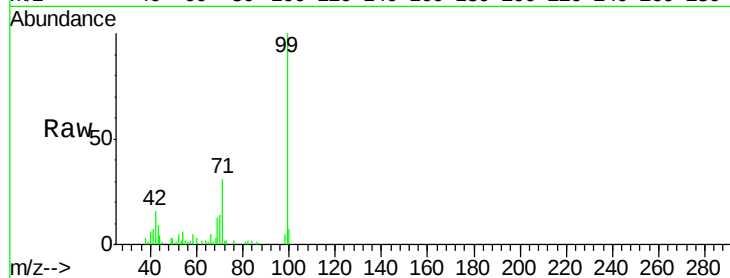
Tgt Ion: 99 Resp: 40228

Ion Ratio Lower Upper

99 100

42 15.9 11.1 16.7

71 30.8 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: BF085771.D

Acq: 25 Mar 2016 19:48

Tgt Ion: 136 Resp: 495717

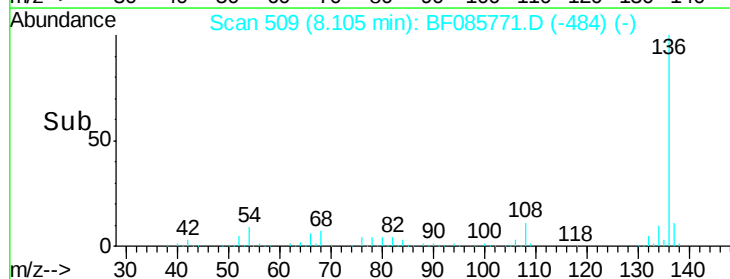
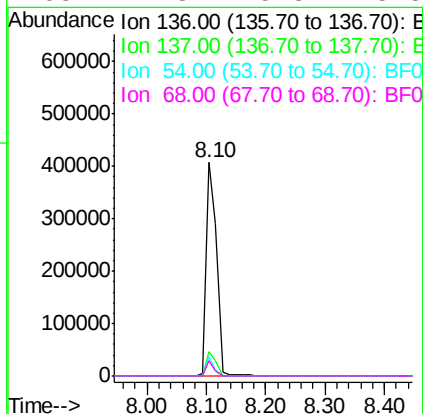
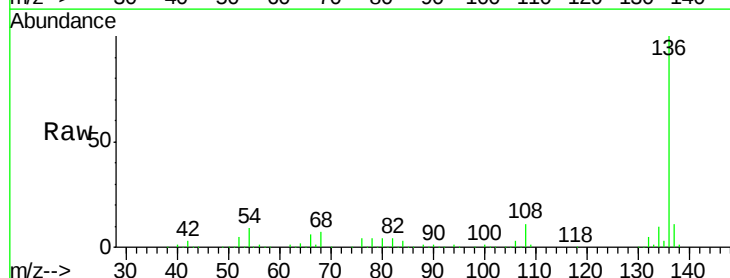
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.9 7.4 11.0

68 7.3 5.8 8.8

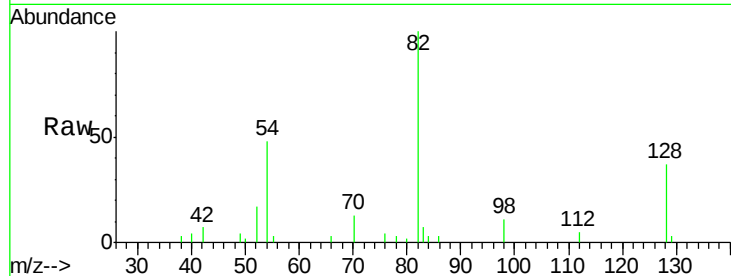




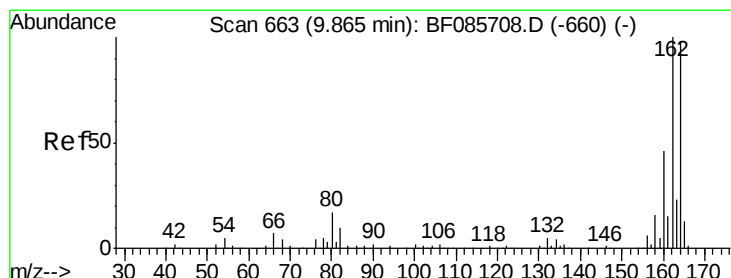
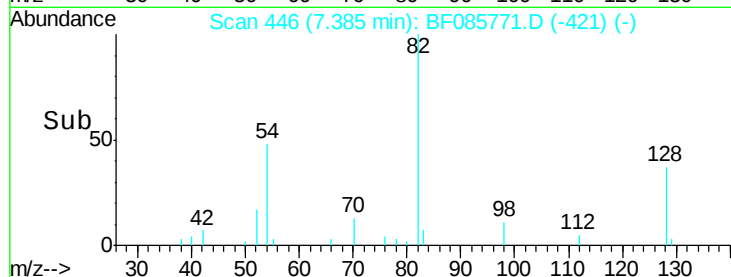
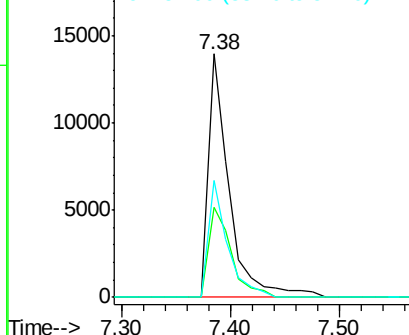
#23
Nitrobenzene-d5
Concen: 2.12 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

Instrument :
BNA_F
ClientSampled :
SB-5

Tgt Ion: 82 Resp: 18674
Ion Ratio Lower Upper
82 100
128 37.0 41.8 62.8#
54 47.8 33.4 50.0

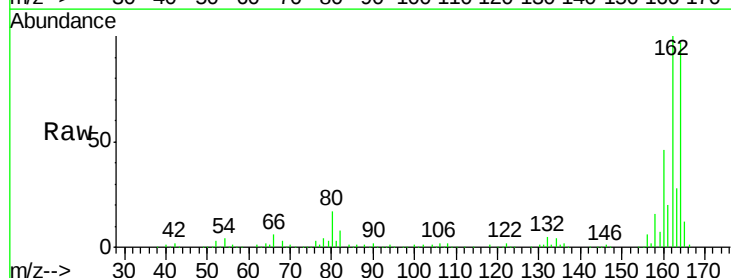


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

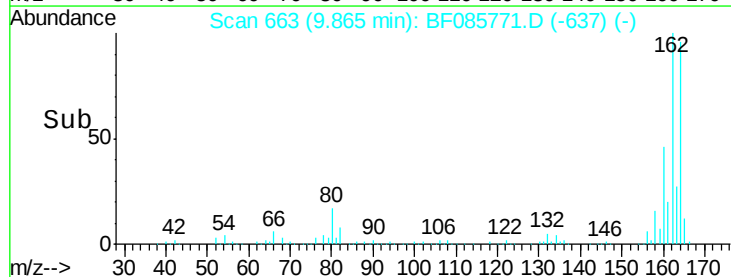
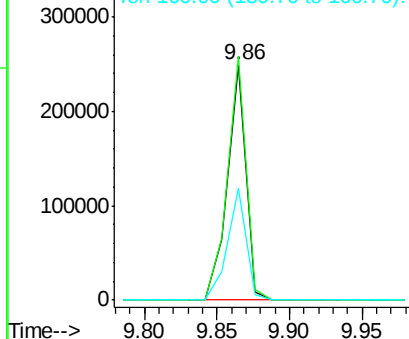


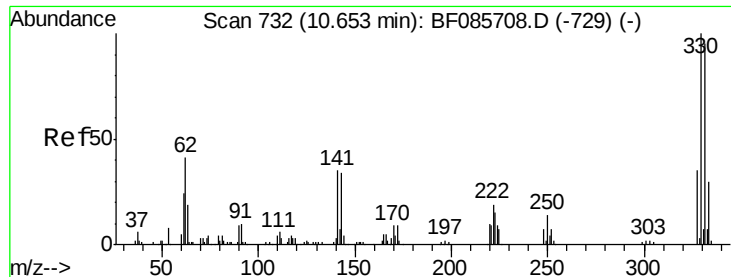
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

Tgt Ion: 164 Resp: 221667
Ion Ratio Lower Upper
164 100
162 103.5 82.1 123.1
160 47.7 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

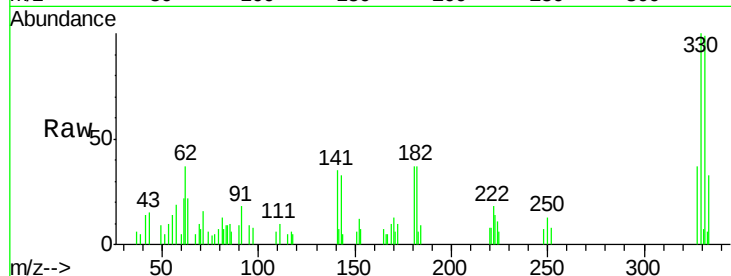




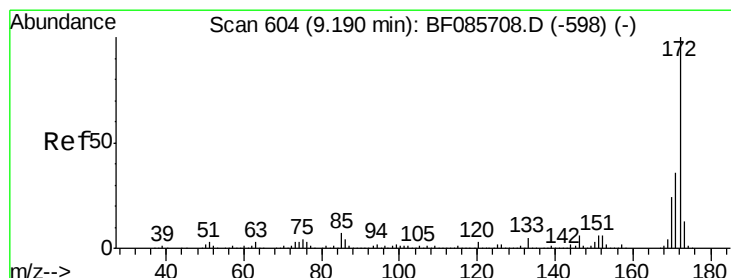
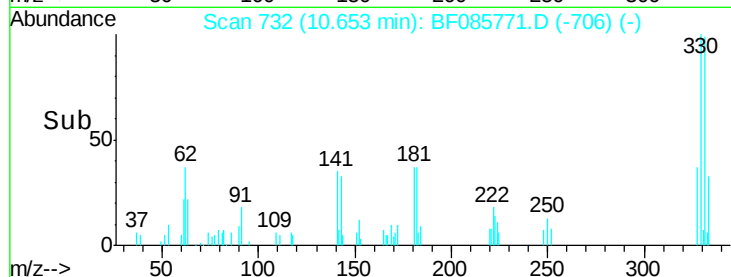
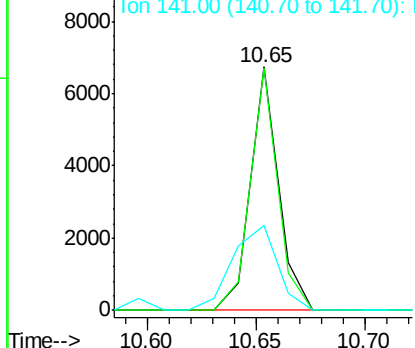
#41
 2,4,6-Tribromophenol
 Concen: 2.87 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085771.D
 Acq: 25 Mar 2016 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion:330 Resp: 6040
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.2 117.2
 141 56.1 31.5 47.3#

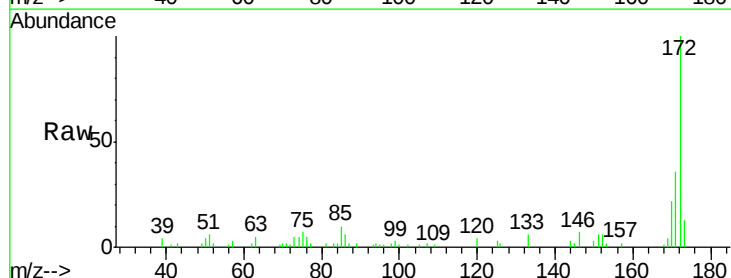


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

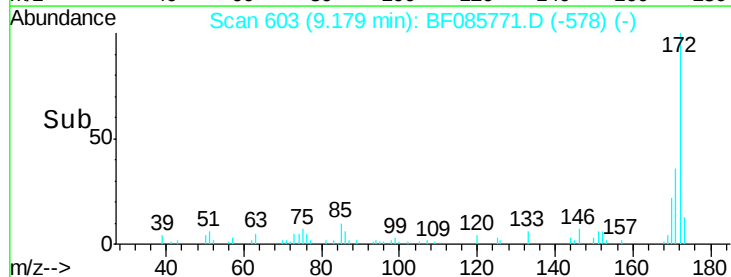
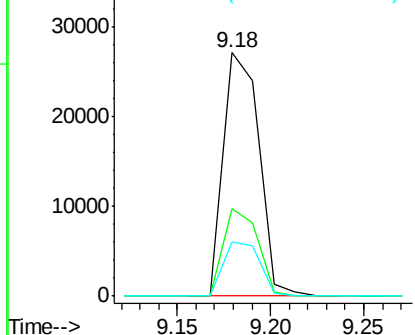


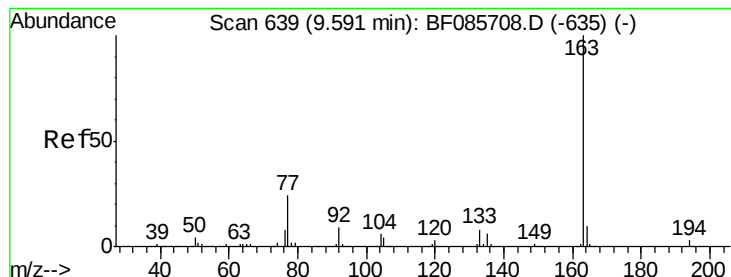
#44
 2-Fluorobiphenyl
 Concen: 2.74 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085771.D
 Acq: 25 Mar 2016 19:48

Tgt Ion:172 Resp: 36292
 Ion Ratio Lower Upper
 172 100
 171 35.9 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





#49

Dimethylphthalate

Concen: 8.21 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

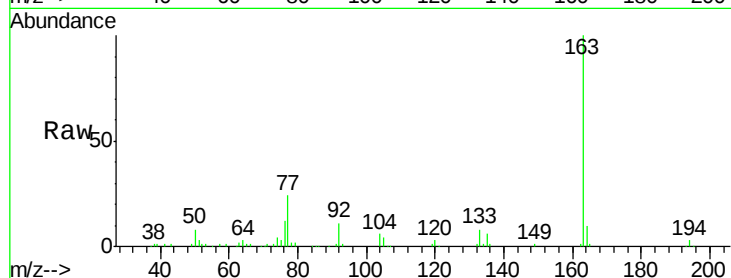
Tgt Ion:163 Resp: 138018

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

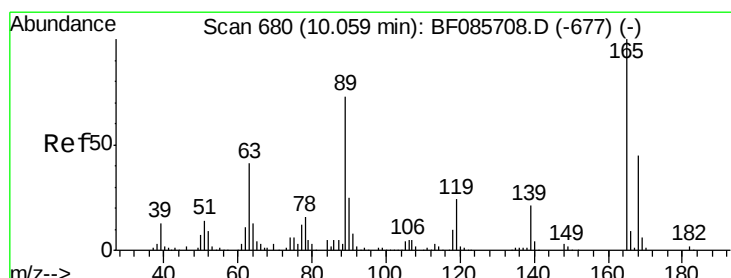
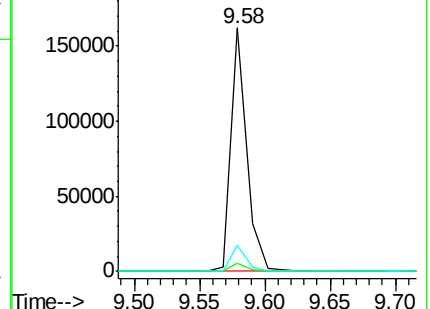
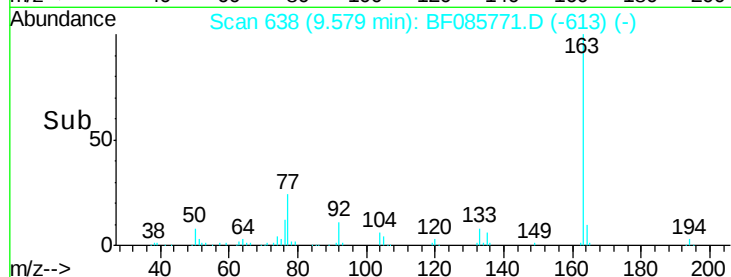
164 10.5 8.3 12.5



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: 6.18 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Tgt Ion:165 Resp: 28432

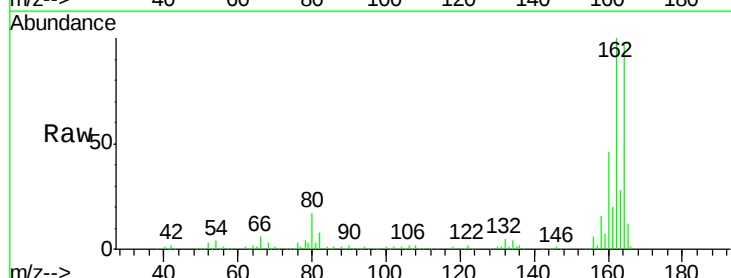
Ion Ratio Lower Upper

165 100

63 1.2 24.9 37.3#

89 1.6 41.0 61.6#

182 0.0 2.1 3.1#

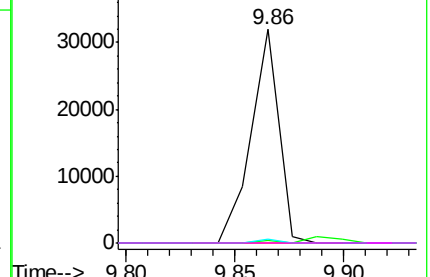
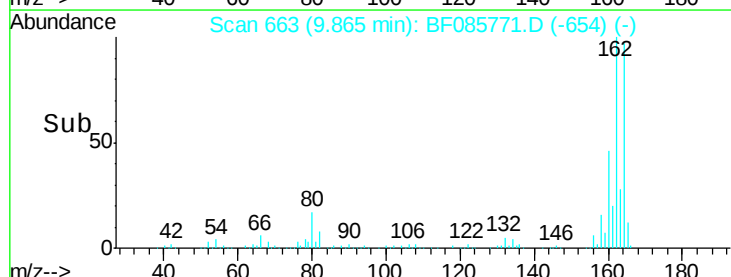


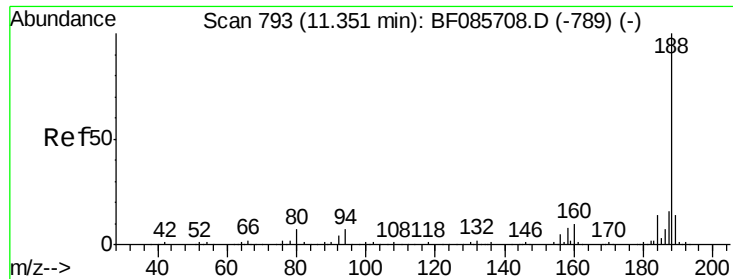
Abundance Ion 165.00 (164.70 to 165.70): E

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

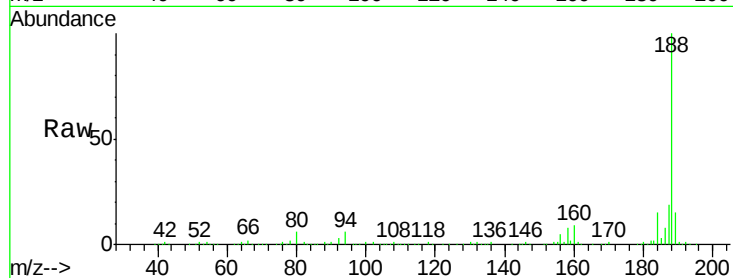




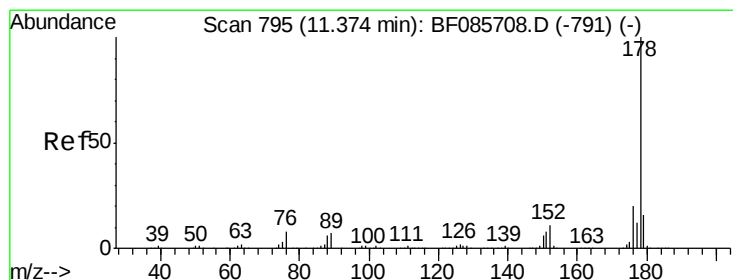
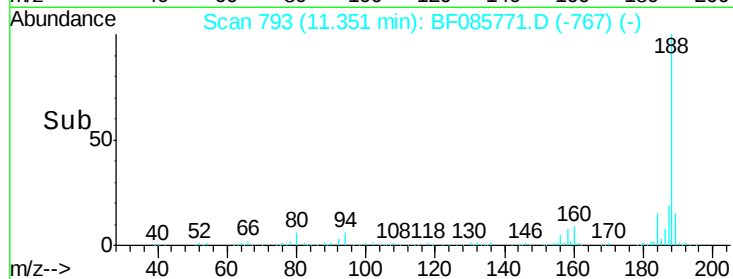
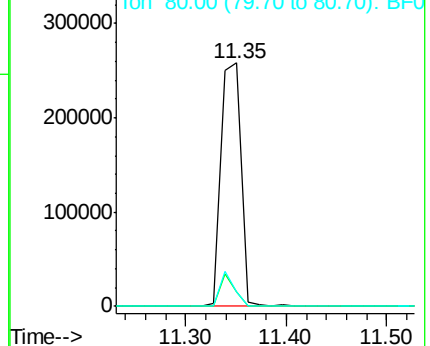
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

Instrument :
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Tgt Ion:188 Resp: 357393
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 5.8 5.5 8.3

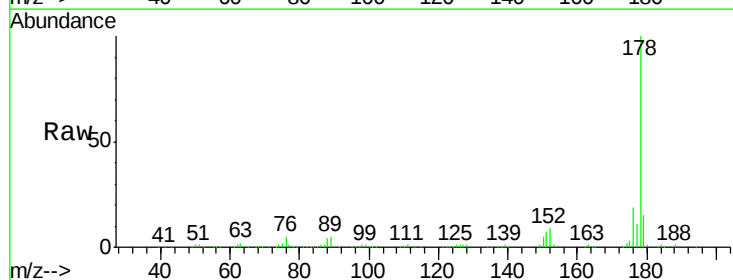


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

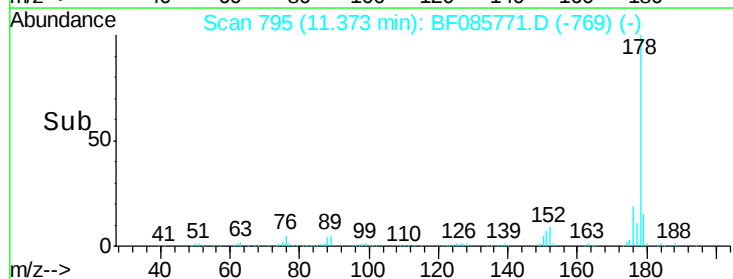
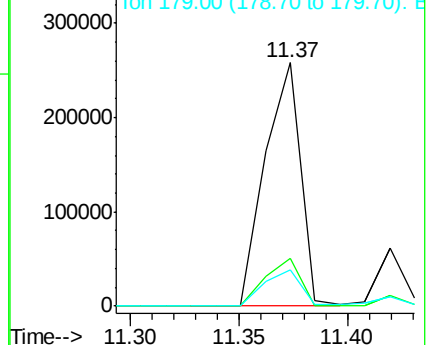


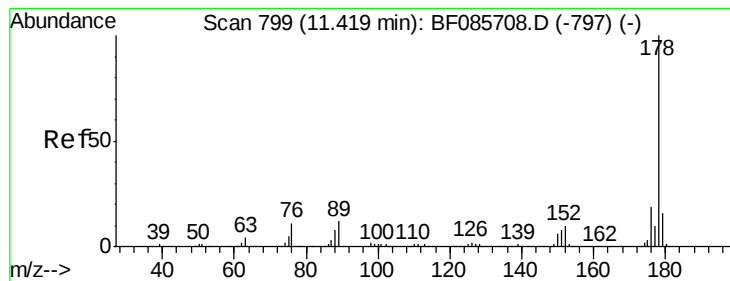
#70
Phenanthrene
Concen: 16.14 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

Tgt Ion:178 Resp: 296208
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.1 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





#71

Anthracene

Concen: 2.72 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

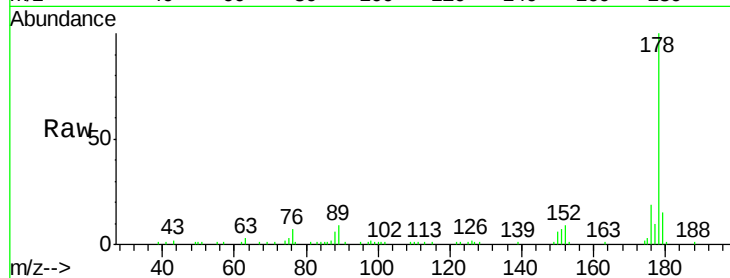
Tgt Ion:178 Resp: 52442

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

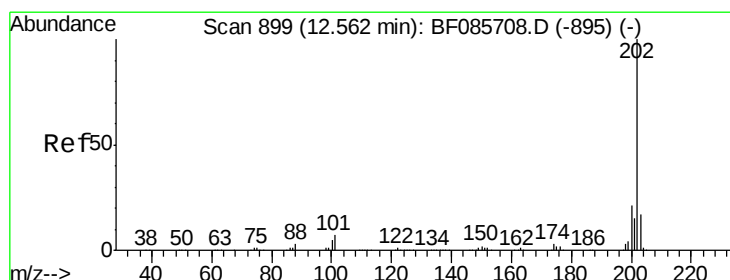
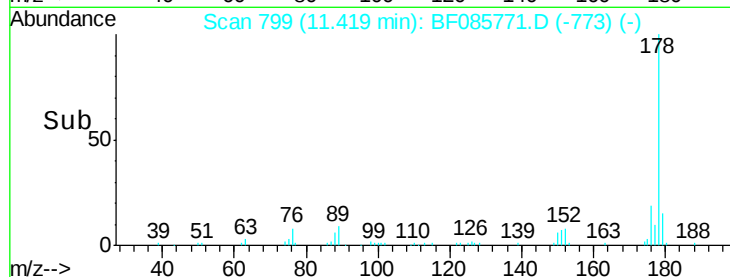
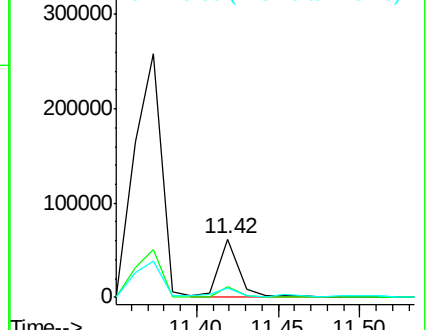
179 15.4 13.0 19.4



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: 31.23 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

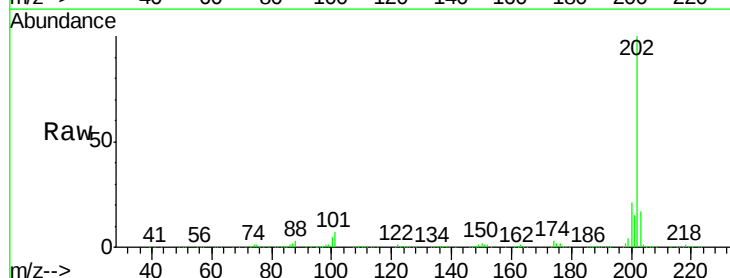
Tgt Ion:202 Resp: 609202

Ion Ratio Lower Upper

202 100

101 7.1 0.0 36.6

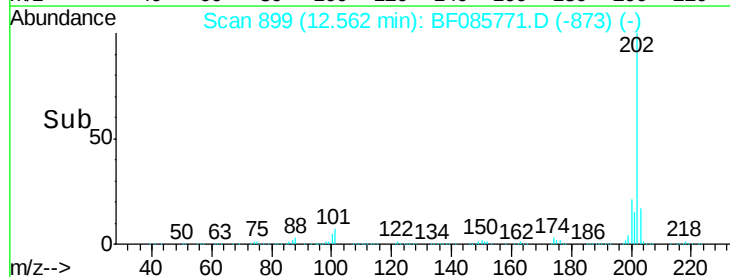
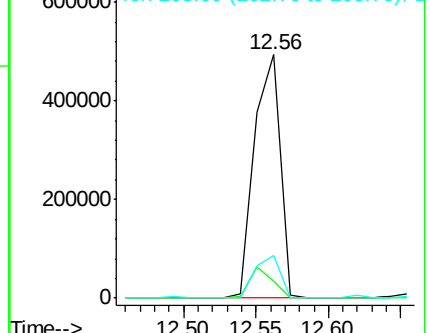
203 17.3 0.0 38.1

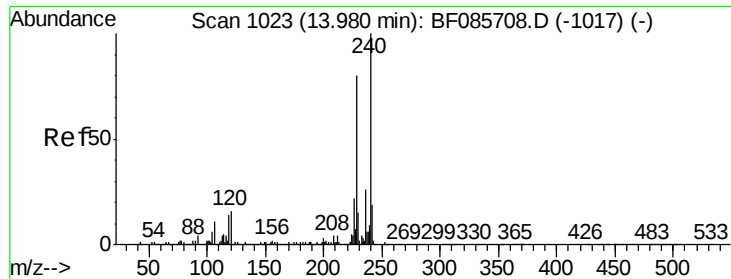


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

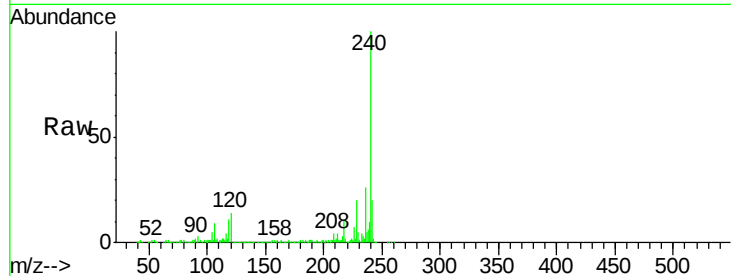
Tgt Ion:240 Resp: 254321

Ion Ratio Lower Upper

240 100

120 13.6 13.8 20.8#

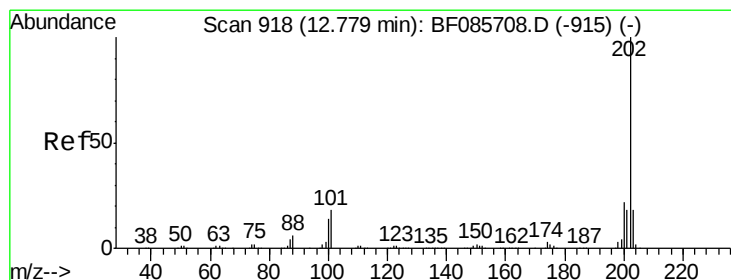
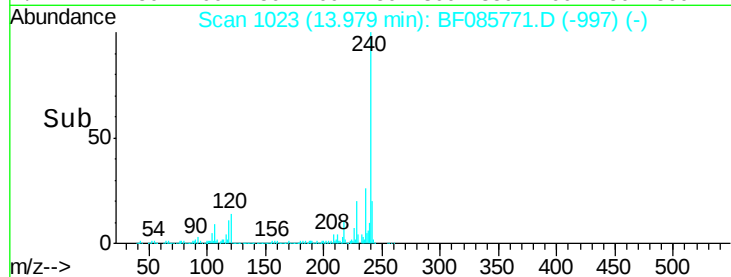
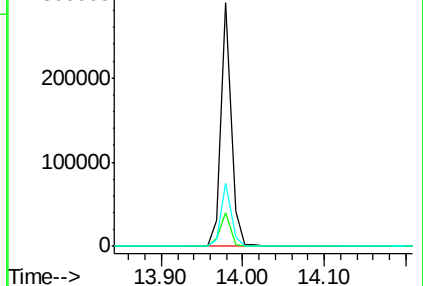
236 25.8 20.6 30.8



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: 24.26 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

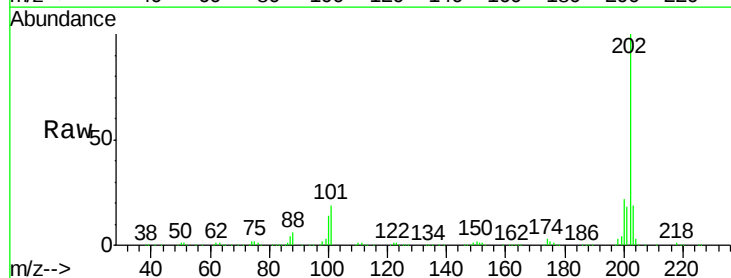
Tgt Ion:202 Resp: 507161

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

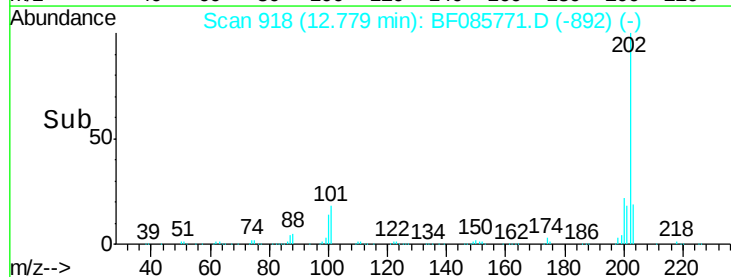
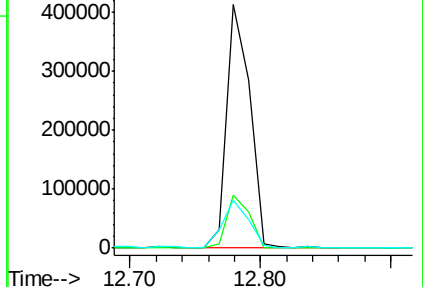
203 19.4 14.0 21.0

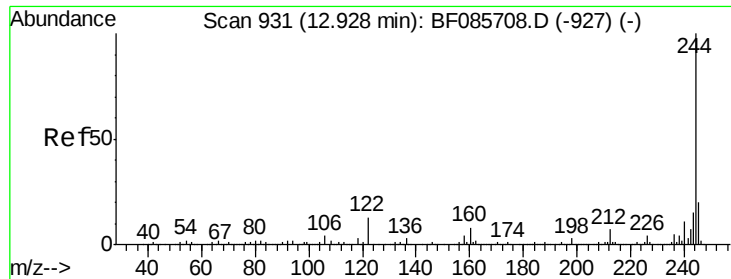


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

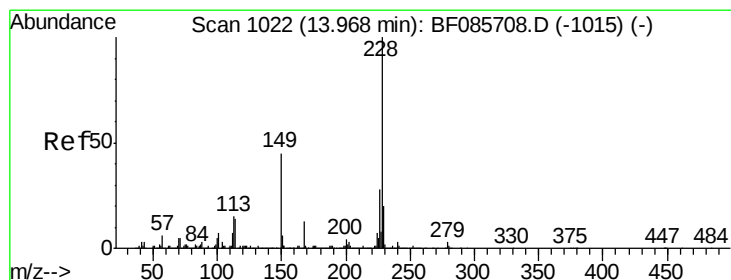
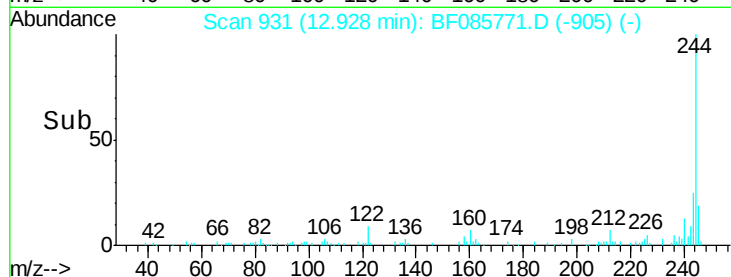
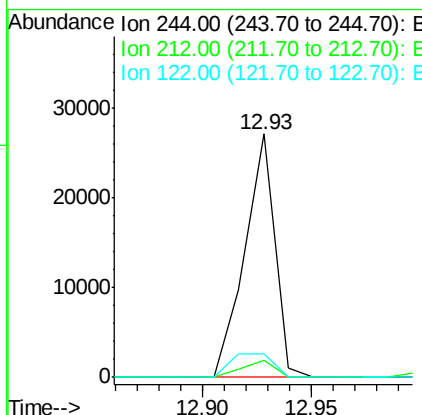
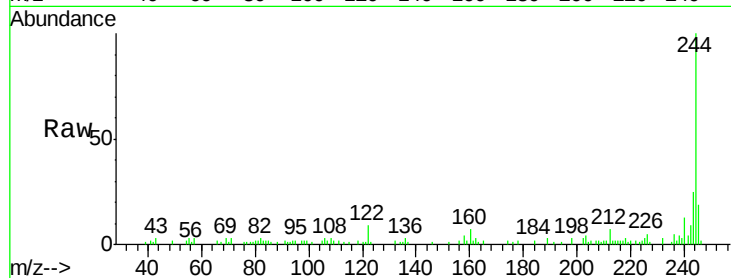




#78
 Terphenyl-d14
 Concen: 2.11 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085771.D
 Acq: 25 Mar 2016 19:48

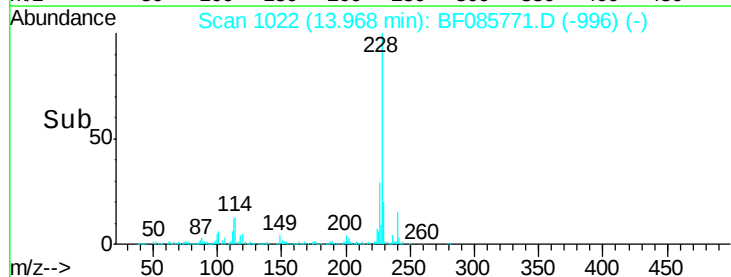
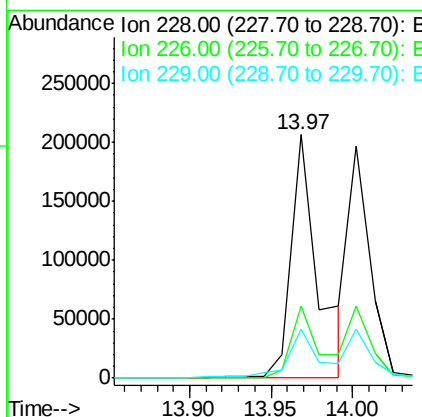
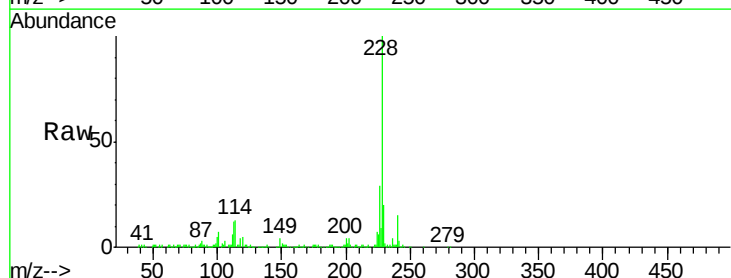
Instrument :
 BNA_F
 ClientSampleId :
 SB-5

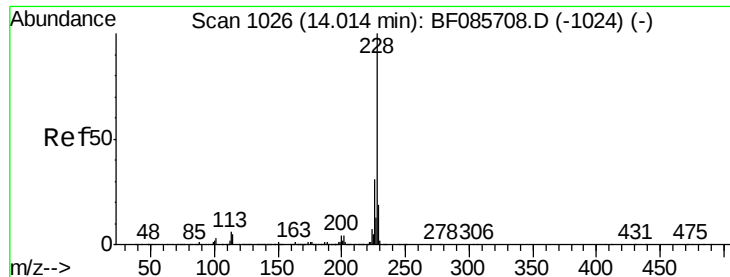
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	9.4	10.2	15.4



#80
 Benzo(a)anthracene
 Concen: 16.53 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF085771.D
 Acq: 25 Mar 2016 19:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	20.4	16.2	24.4





#82

Chrysene

Concen: 12.65 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

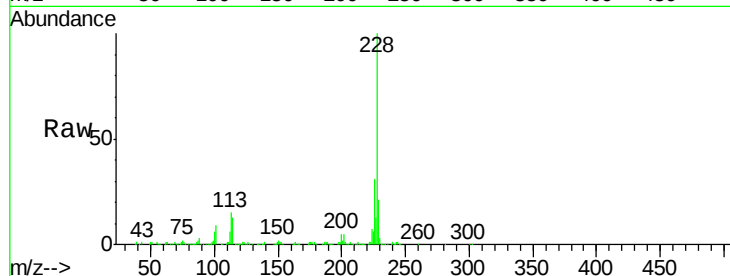
Tgt Ion:228 Resp: 184771

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

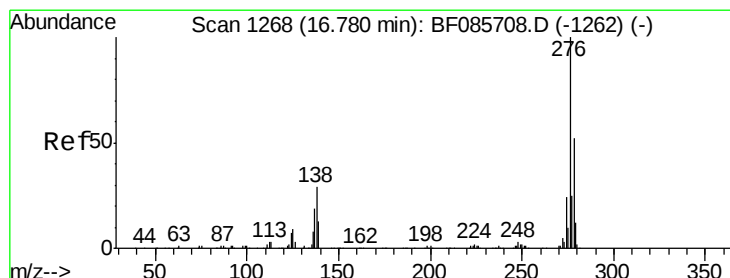
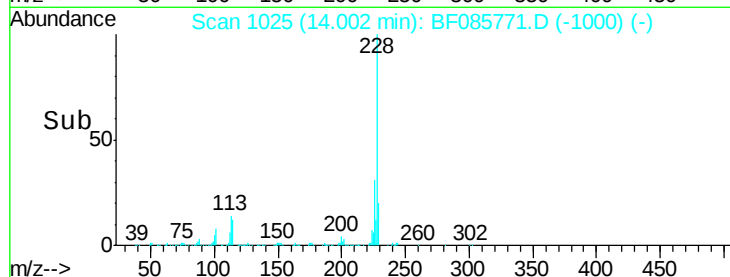
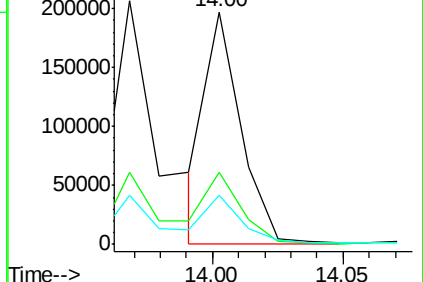
229 21.2 15.7 23.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.33 ng

RT: 16.78 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

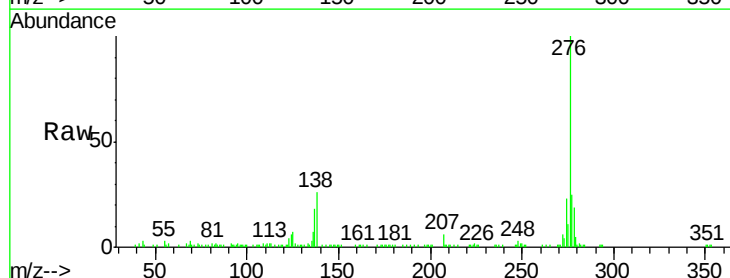
Tgt Ion:276 Resp: 105184

Ion Ratio Lower Upper

276 100

138 26.0 24.2 36.4

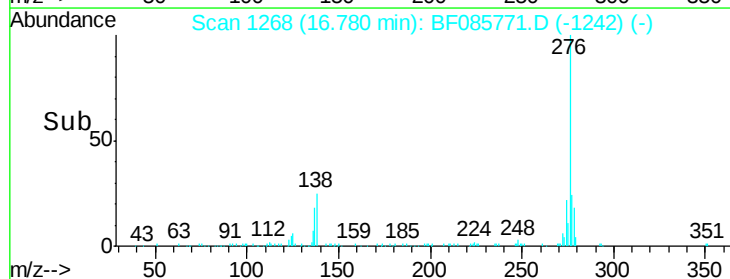
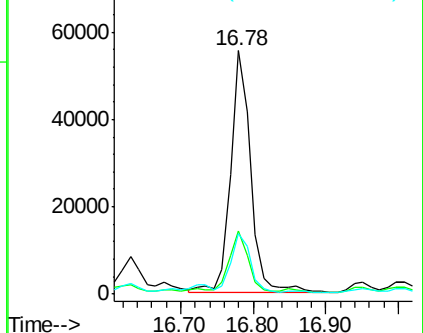
277 26.8 20.0 30.0

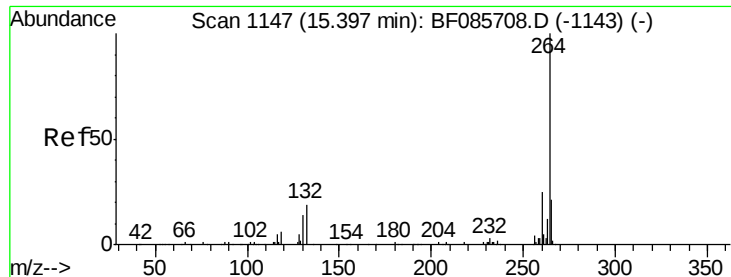


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

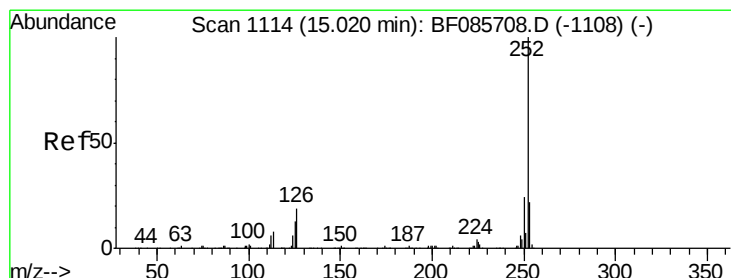
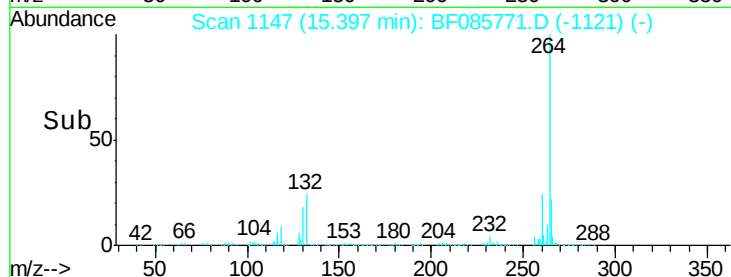
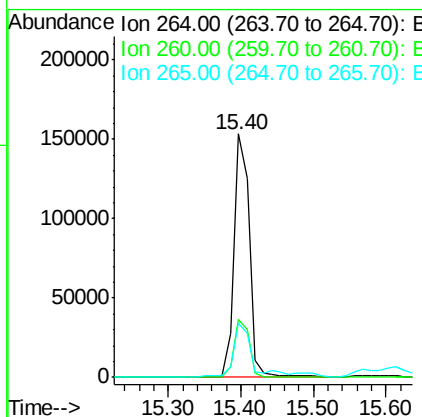
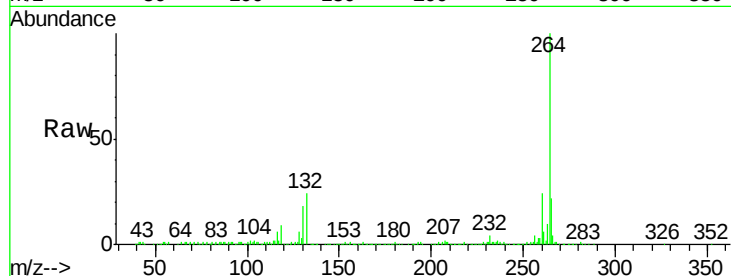




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

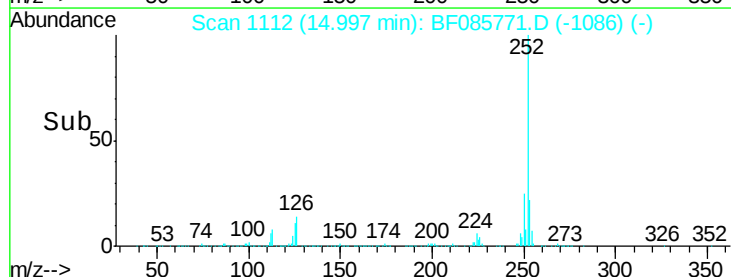
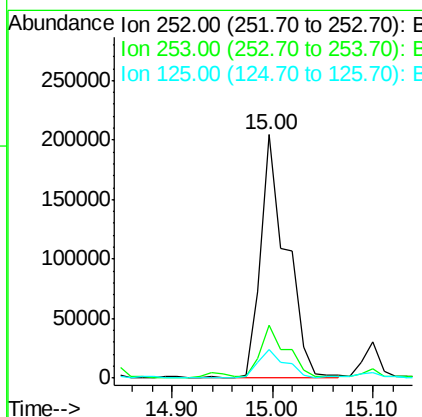
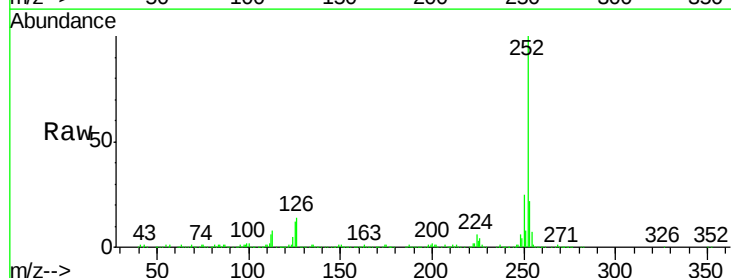
Instrument :
BNA_F
ClientSampleId :
SB-5

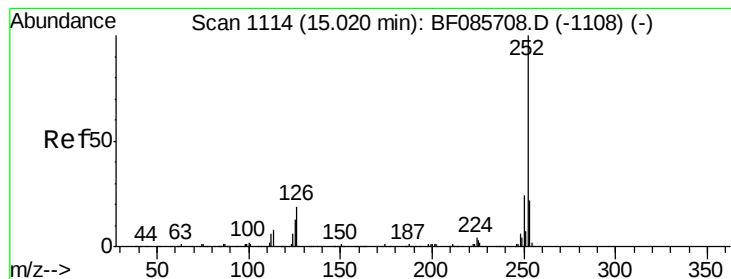
Tgt Ion:264 Resp: 225690
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 25.34 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085771.D
Acq: 25 Mar 2016 19:48

Tgt Ion:252 Resp: 360305
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.7 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 28.11 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

Instrument :

BNA_F

ClientSampleId :

SB-5

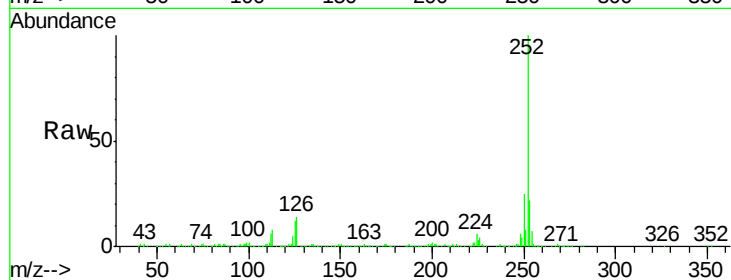
Tgt Ion:252 Resp: 360305

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

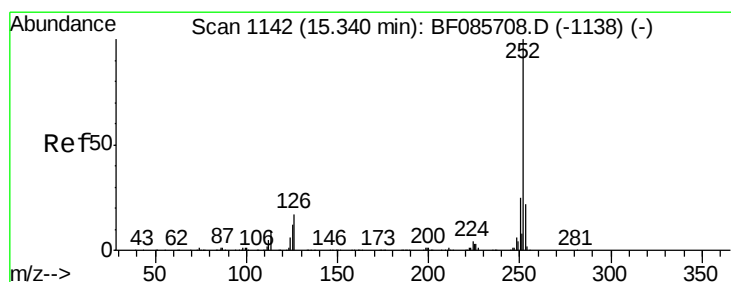
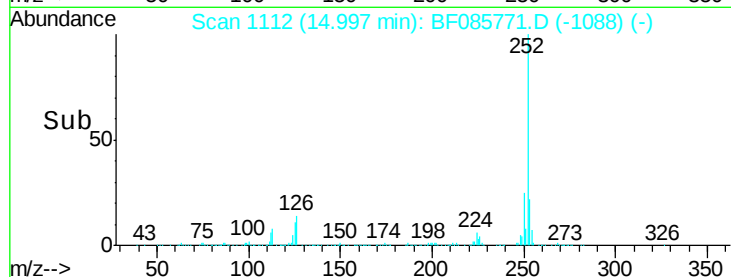
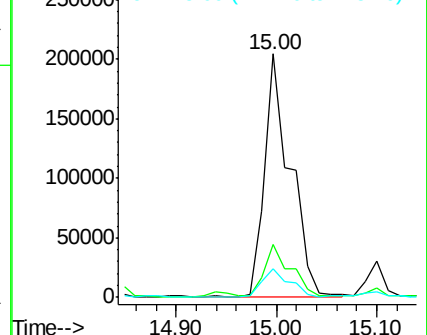
125 11.7 7.7 11.5#



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: 13.71 ng

RT: 15.34 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF085771.D

Acq: 25 Mar 2016 19:48

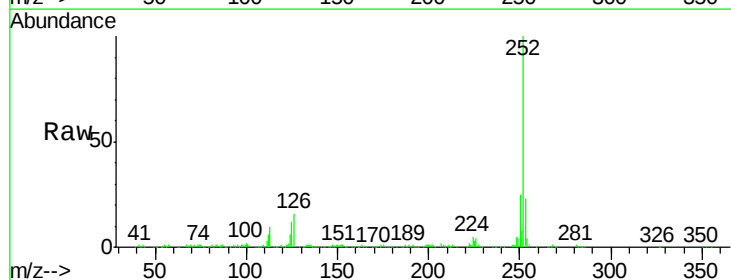
Tgt Ion:252 Resp: 173054

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

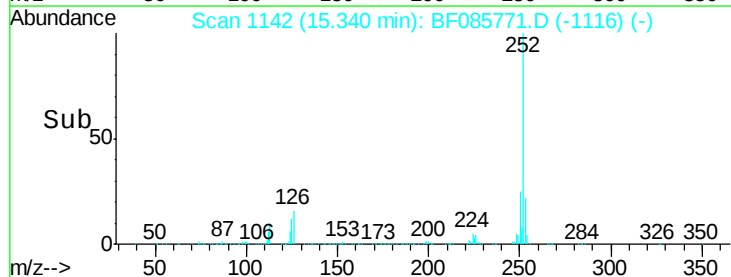
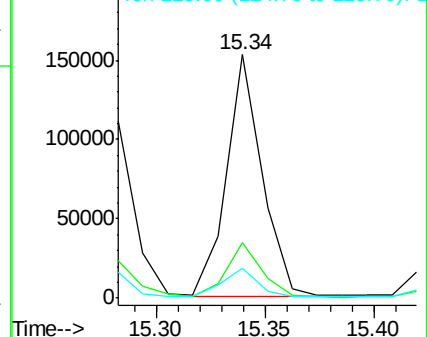
125 12.3 10.3 15.5

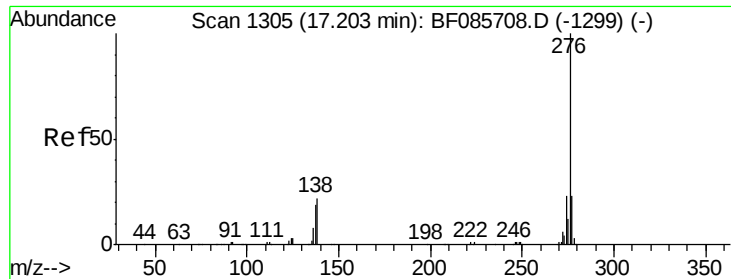


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.11 ng
 RT: 17.20 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF085771.D
 Acq: 25 Mar 2016 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion:	276	Resp:	96314
Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	23.6	22.6	34.0

