

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085769.D
 Acq On : 25 Mar 2016 18:50
 Operator : UM/SJ
 Sample : H1855-05 2X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

Quant Time: Mar 25 21:54:00 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

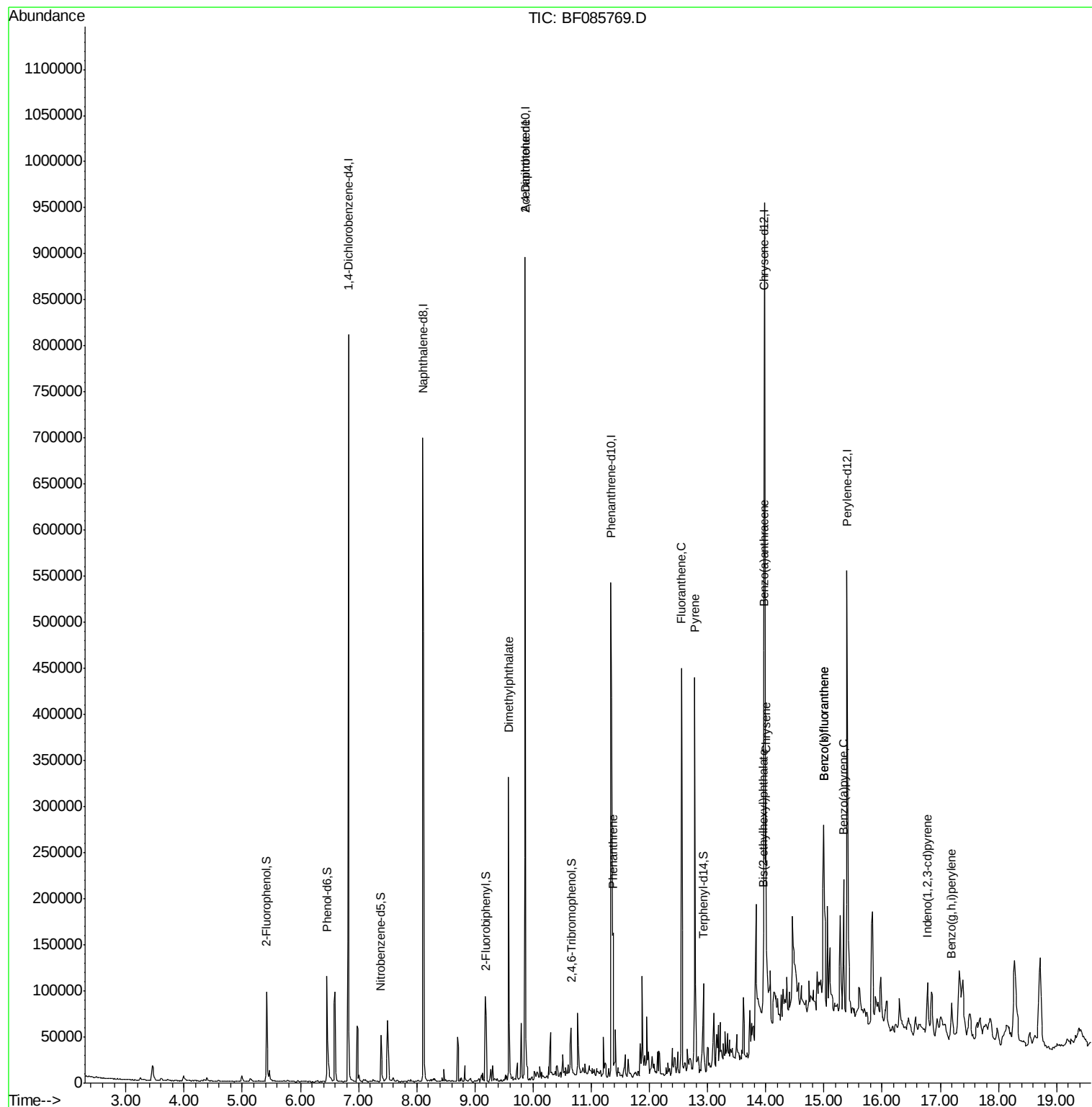
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	118700	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	424493	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	174255	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	263317	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	261119	20.00	ng	0.00
86) Perylene-d12	15.40	264	221902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	36757	5.16	ng	0.01
7) Phenol-d6	6.46	99	50604	5.58	ng	0.00
23) Nitrobenzene-d5	7.38	82	22203	2.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	6467	3.91	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	39435	3.78	ng	0.00
78) Terphenyl-d14	12.93	244	28992	2.28	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	1287	Below Cal		Qvalue 97
49) Dimethylphthalate	9.58	163	116907	8.84	ng	99
56) 2,4-Dinitrotoluene	9.86	165	21946	6.07	ng	# 37
70) Phenanthrene	11.37	178	82406	6.09	ng	96
74) Fluoranthene	12.55	202	174980	12.18	ng	97
77) Pyrene	12.78	202	168961	7.87	ng	99
80) Benzo(a)anthracene	13.97	228	88201	5.92	ng	98
82) Chrysene	14.00	228	67124	4.48	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	22528	2.09	ng	99
85) Indeno(1,2,3-cd)pyrene	16.78	276	34732	3.00	ng	# 88
87) Benzo(b)fluoranthene	15.00	252	129183	9.24	ng	99
88) Benzo(k)fluoranthene	15.00	252	129183	10.25	ng	# 97
89) Benzo(a)pyrene	15.34	252	60119	4.84	ng	98
91) Benzo(g,h,i)perylene	17.19	276	31785	2.72	ng	97

(#) = 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: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampled :

SB-3

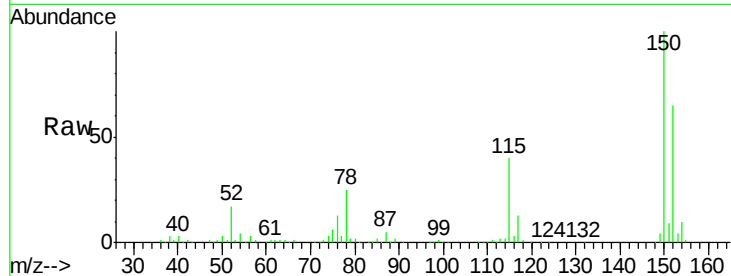
Tgt Ion:152 Resp: 118700

Ion Ratio Lower Upper

152 100

150 154.1 124.2 186.2

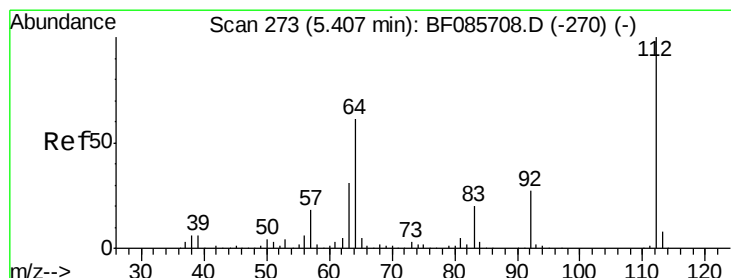
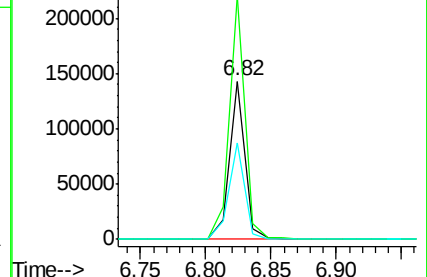
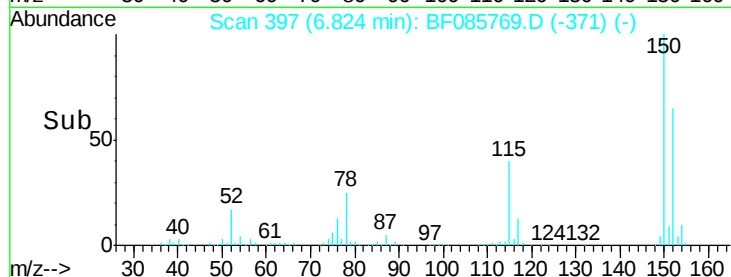
115 61.2 47.0 70.6



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: 5.16 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

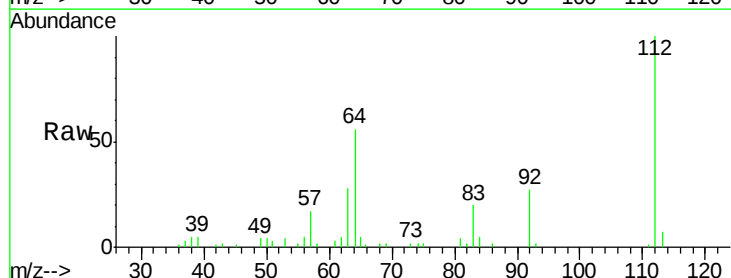
Tgt Ion:112 Resp: 36757

Ion Ratio Lower Upper

112 100

64 56.3 39.9 59.9

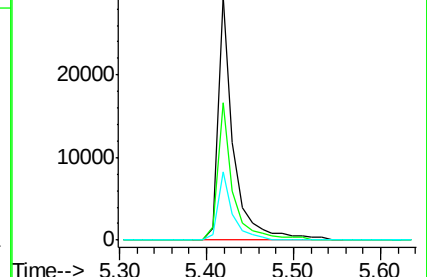
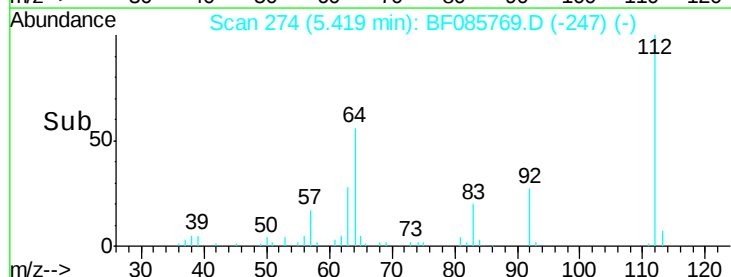
63 27.9 20.2 30.2



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: 5.58 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

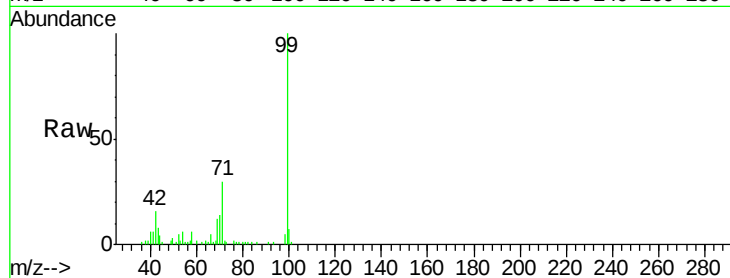
Tgt Ion: 99 Resp: 50604

Ion Ratio Lower Upper

99 100

42 15.7 11.1 16.7

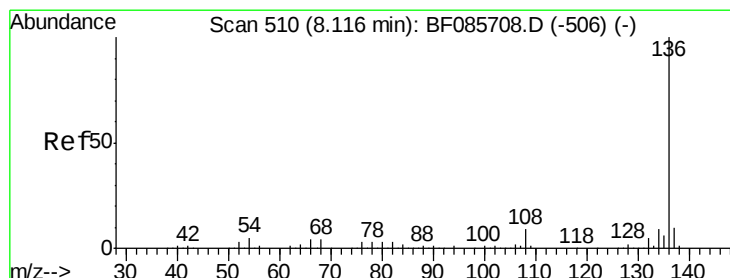
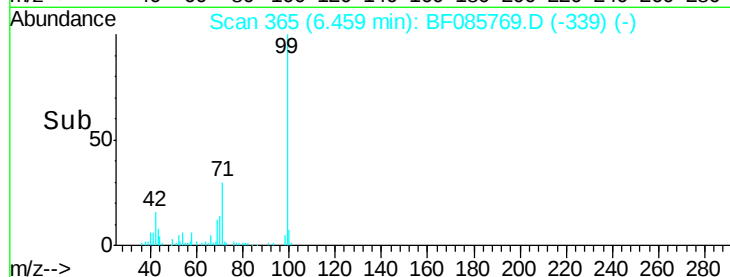
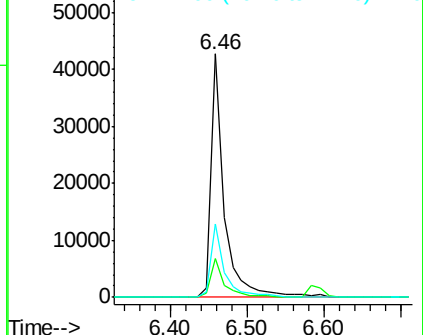
71 30.3 24.9 37.3



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: BF085769.D

Acq: 25 Mar 2016 18:50

Tgt Ion: 136 Resp: 424493

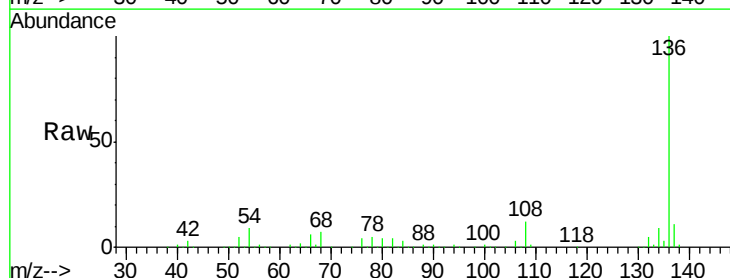
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.3 7.4 11.0

68 7.5 5.8 8.8

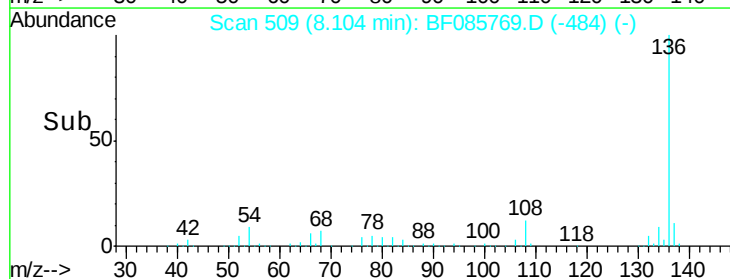
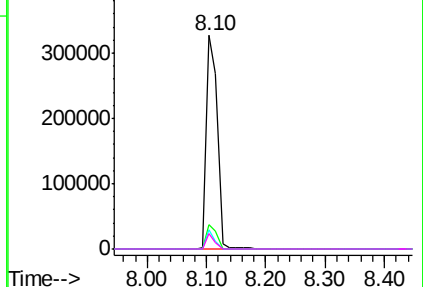


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.95 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

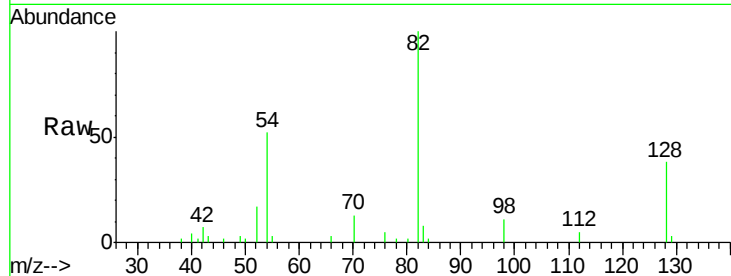
Tgt Ion: 82 Resp: 22203

Ion Ratio Lower Upper

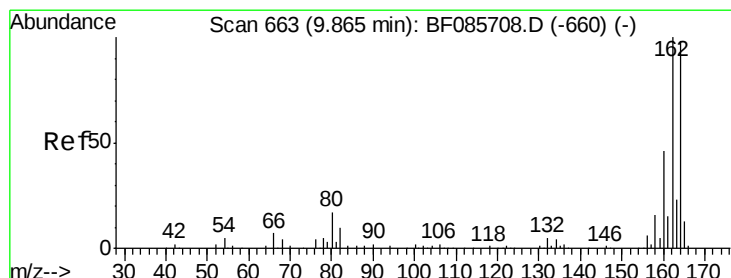
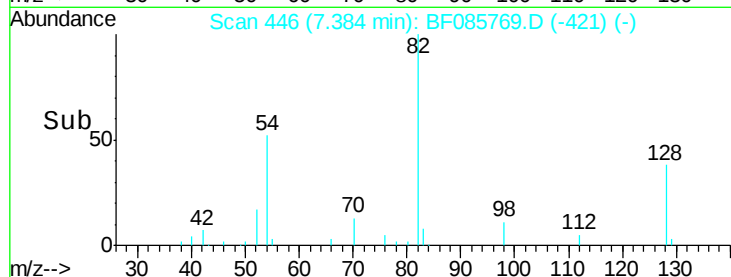
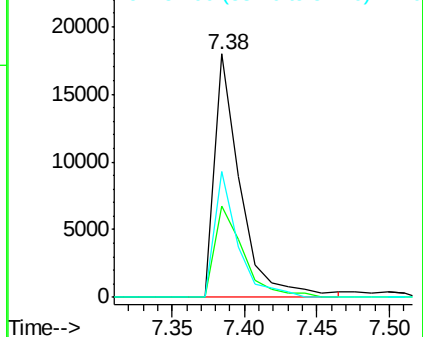
82 100

128 37.6 41.8 62.8#

54 51.8 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: BF085769.D

Acq: 25 Mar 2016 18:50

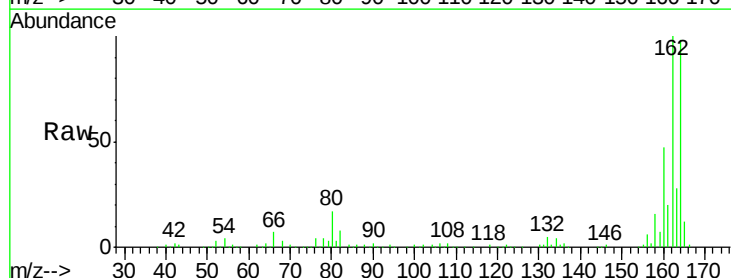
Tgt Ion: 164 Resp: 174255

Ion Ratio Lower Upper

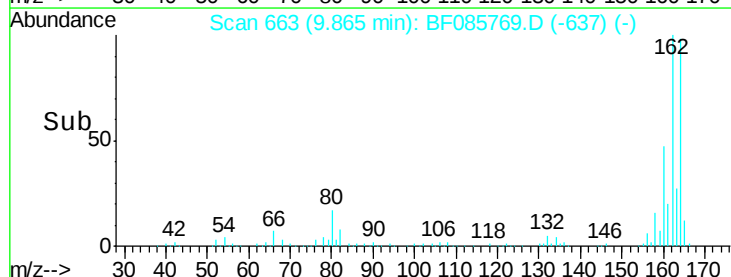
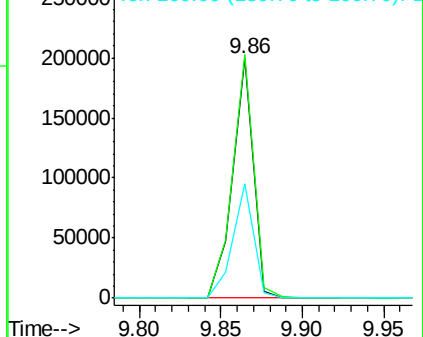
164 100

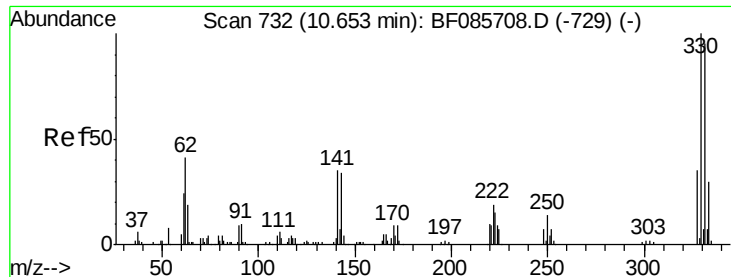
162 101.8 82.1 123.1

160 47.9 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

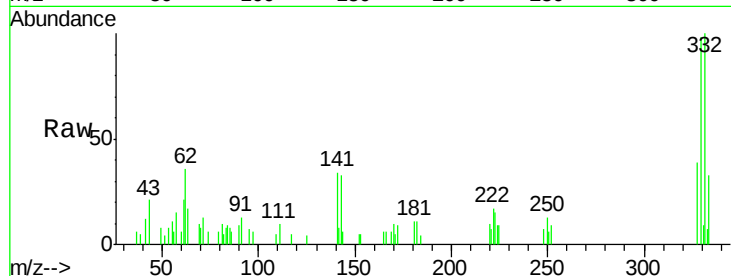




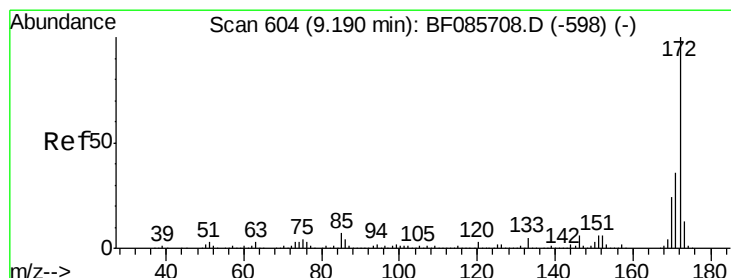
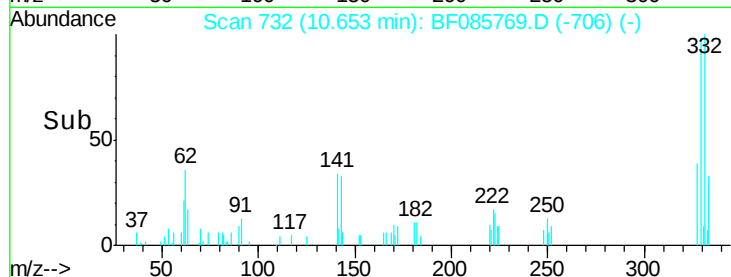
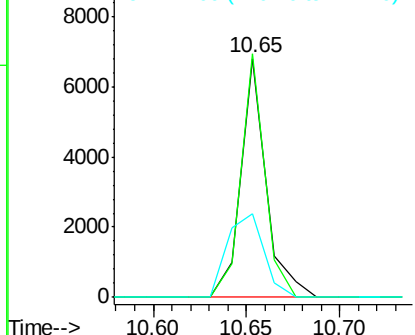
#41
 2,4,6-Tribromophenol
 Concen: 3.91 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085769.D
 Acq: 25 Mar 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-3

Tgt Ion:330 Resp: 6467
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.2 117.2
 141 50.3 31.5 47.3#

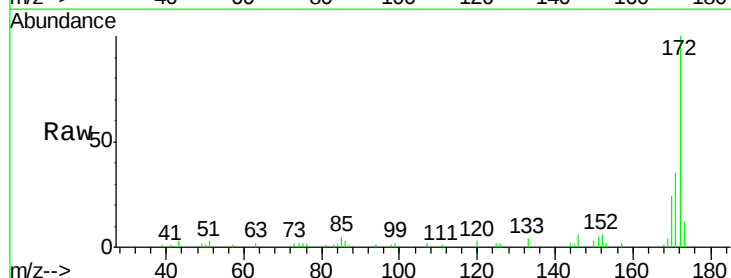


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

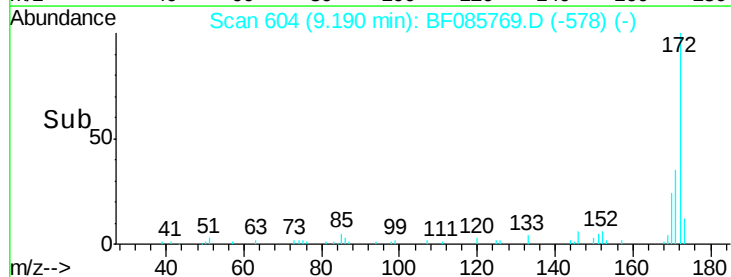
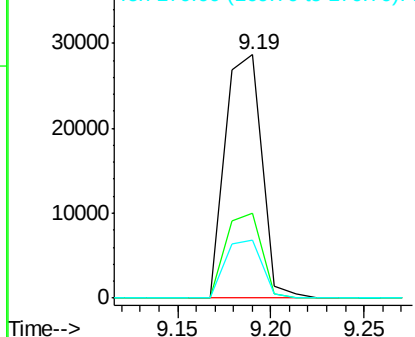


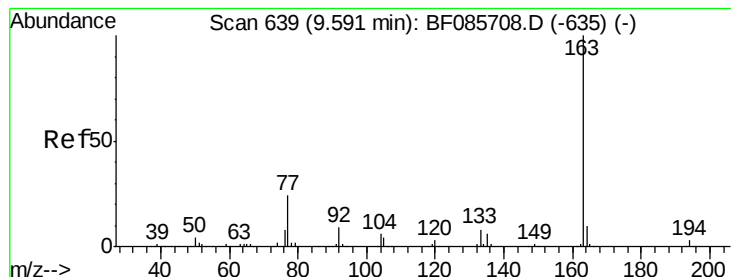
#44
 2-Fluorobiphenyl
 Concen: 3.78 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085769.D
 Acq: 25 Mar 2016 18:50

Tgt Ion:172 Resp: 39435
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.2
 170 23.7 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: 8.84 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

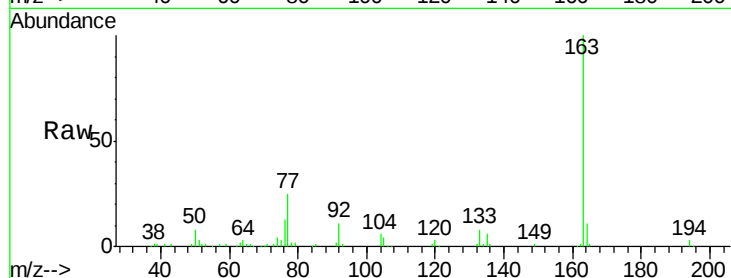
Tgt Ion:163 Resp: 116907

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

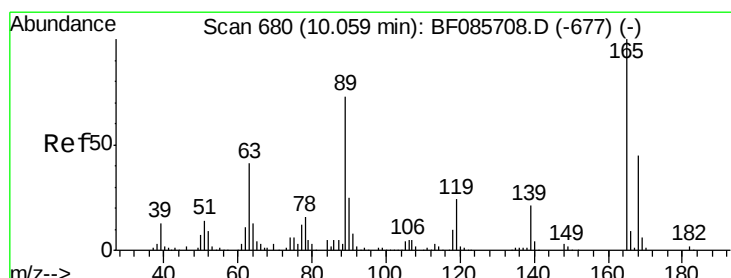
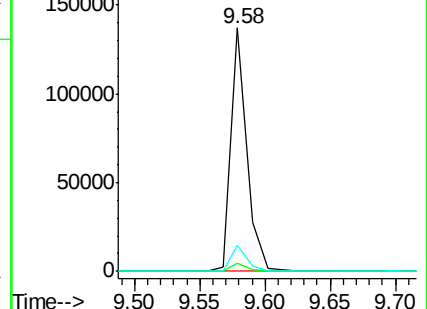
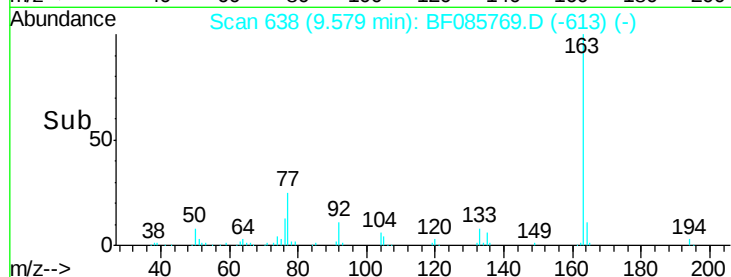
164 10.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Tgt Ion:165 Resp: 21946

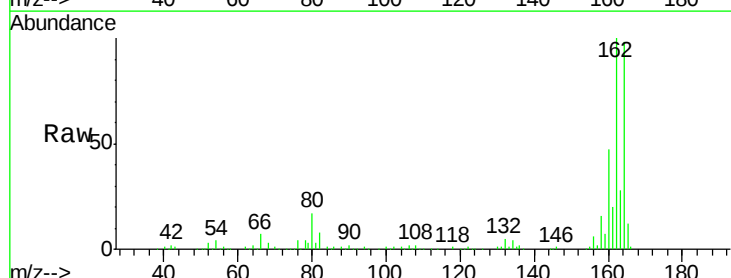
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 2.1 41.0 61.6#

182 0.0 2.1 3.1#

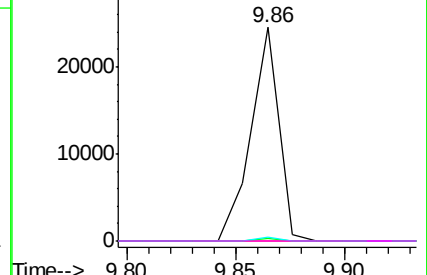
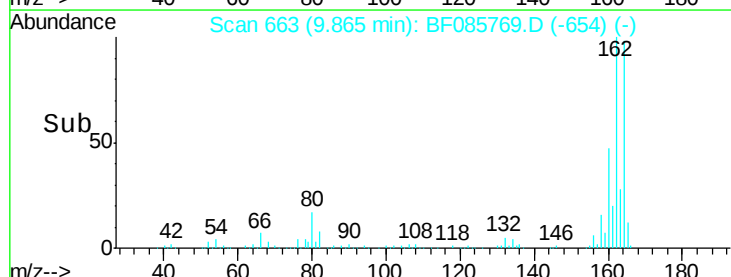


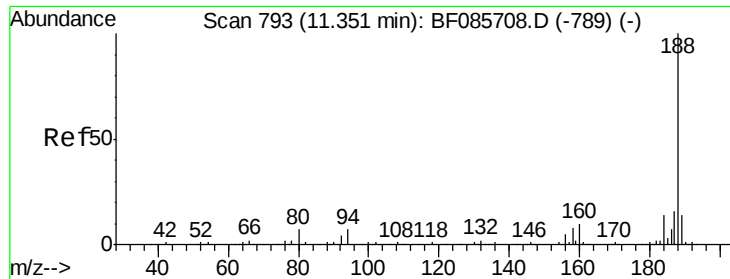
Abundance Ion 165.00 (164.70 to 165.70): E

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

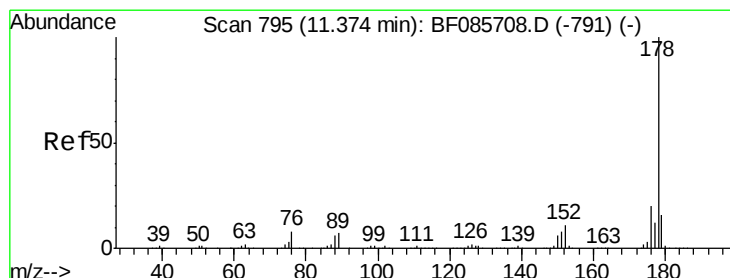
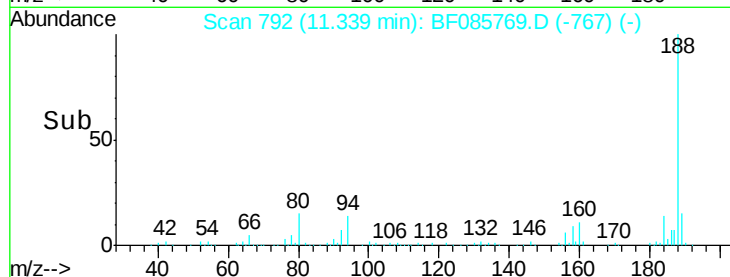
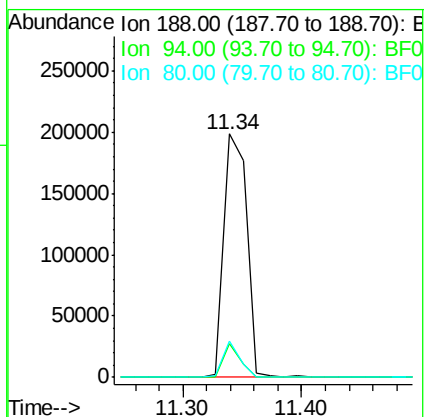
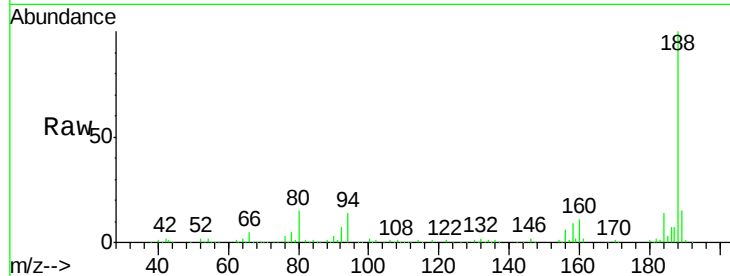




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

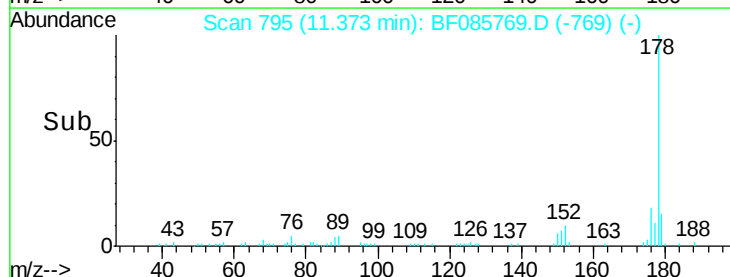
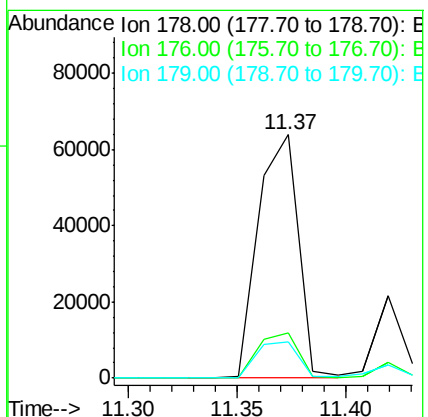
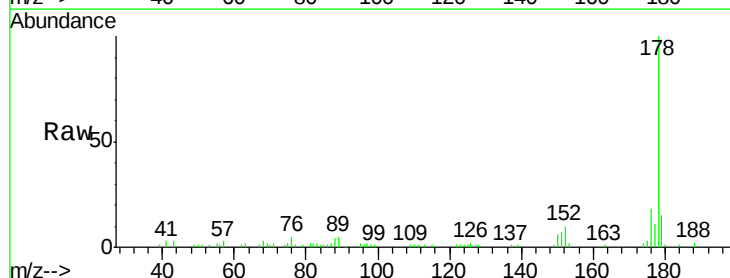
Instrument :
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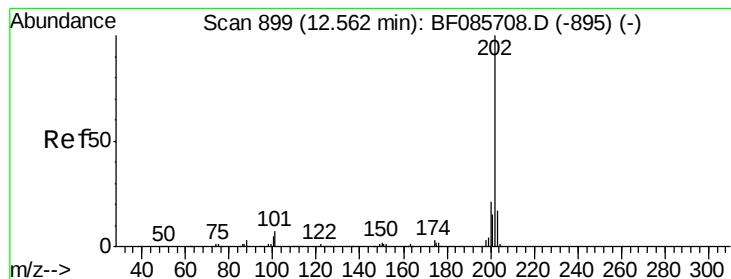
Tgt Ion:188 Resp: 263317
Ion Ratio Lower Upper
188 100
94 13.7 5.4 8.0#
80 14.7 5.5 8.3#



#70
Phenanthrene
Concen: 6.09 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

Tgt Ion:178 Resp: 82406
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 14.7 12.6 18.8





#74

Fluoranthene

Concen: 12.18 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

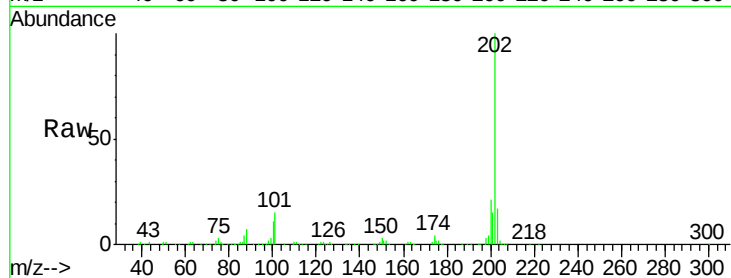
Tgt Ion:202 Resp: 174980

Ion Ratio Lower Upper

202 100

101 14.8 0.0 36.6

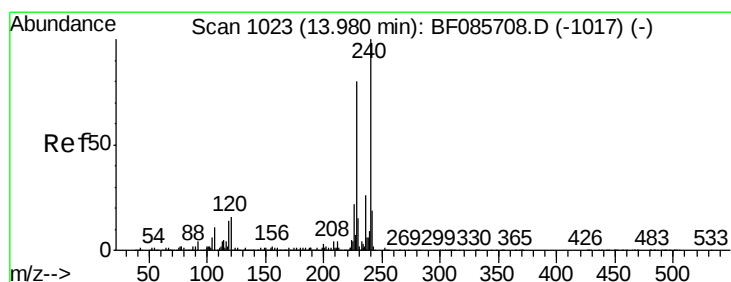
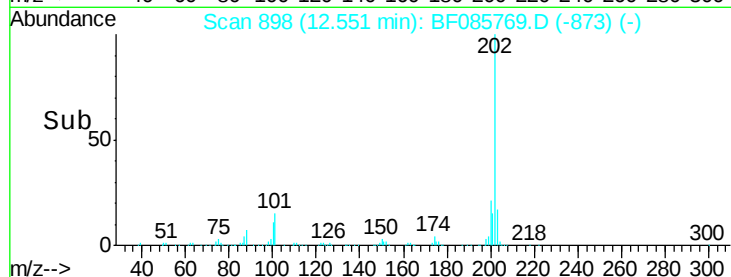
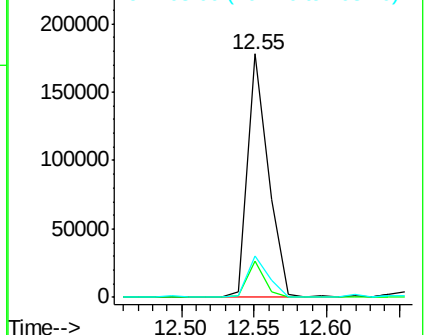
203 17.2 0.0 38.1



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: BF085769.D

Acq: 25 Mar 2016 18:50

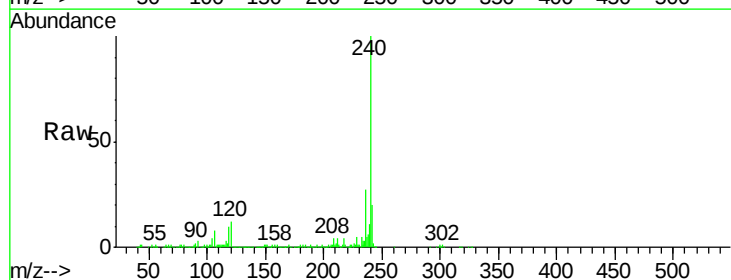
Tgt Ion:240 Resp: 261119

Ion Ratio Lower Upper

240 100

120 11.9 13.8 20.8#

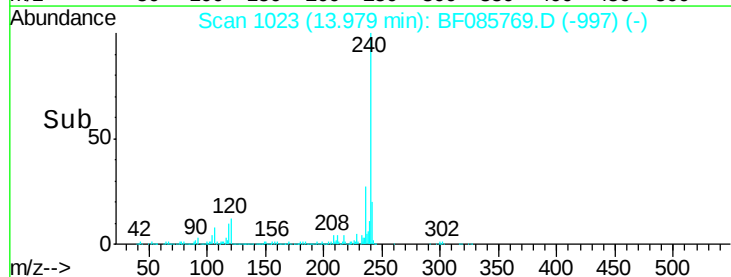
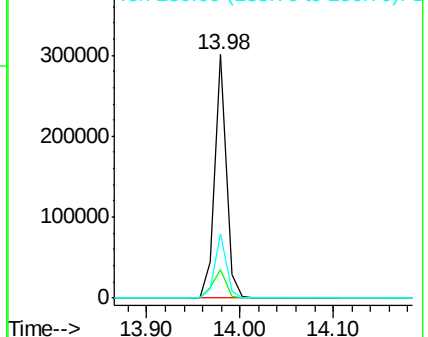
236 26.7 20.6 30.8

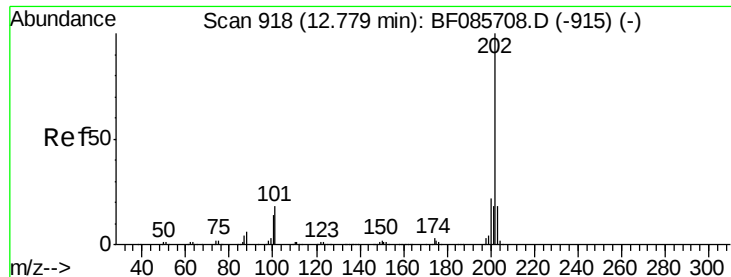


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.87 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

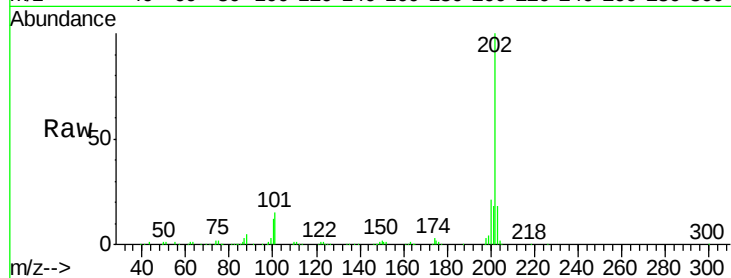
Tgt Ion:202 Resp: 168961

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

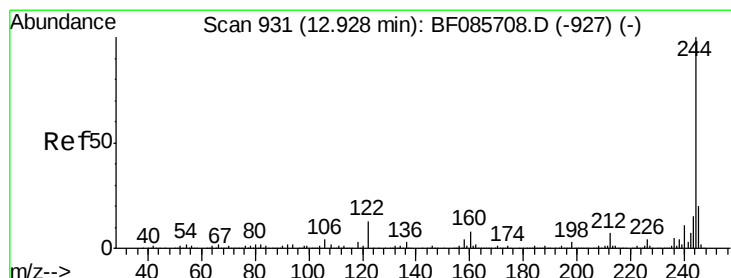
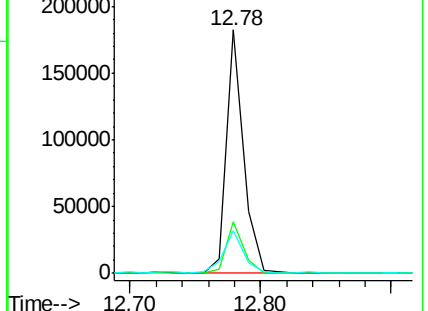
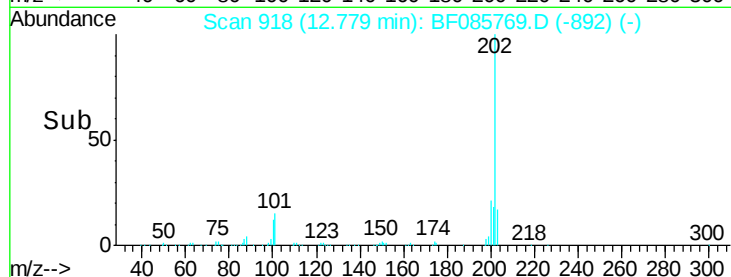
203 17.6 14.0 21.0



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: 2.28 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

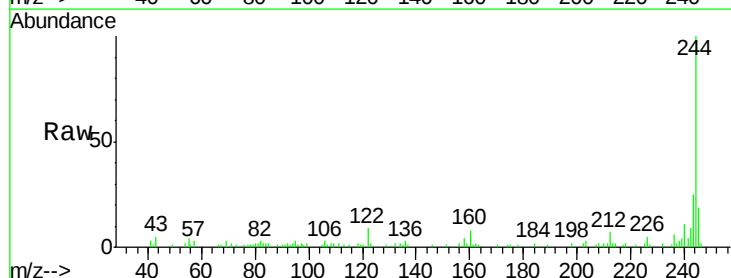
Tgt Ion:244 Resp: 28992

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

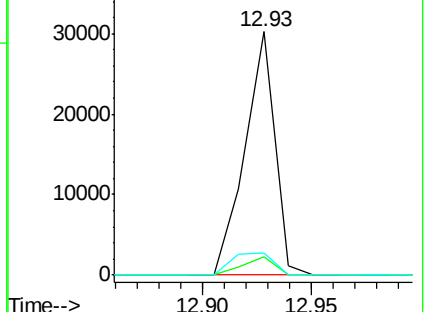
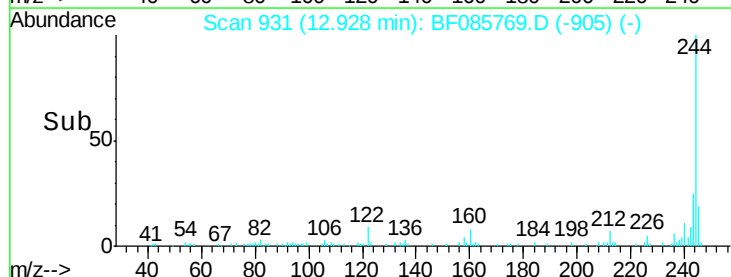
122 9.3 10.2 15.4#

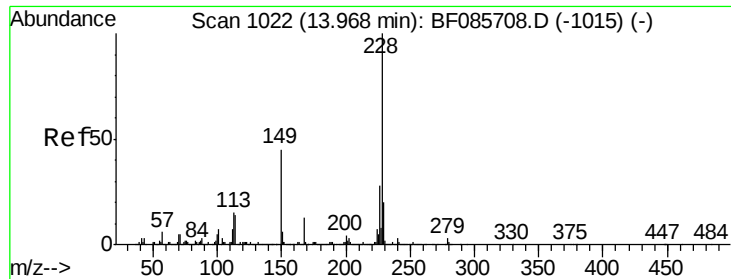


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

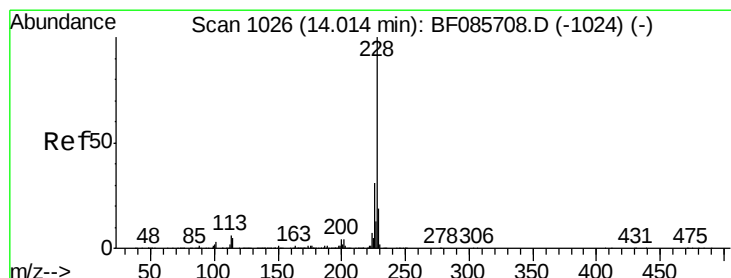
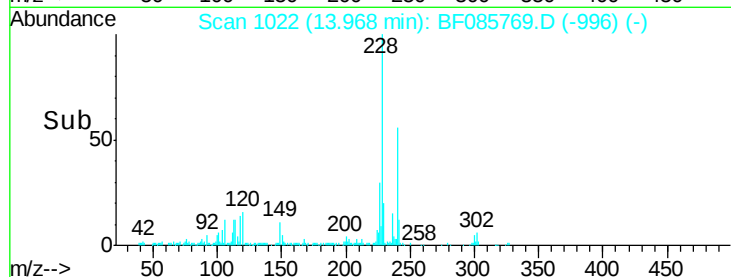
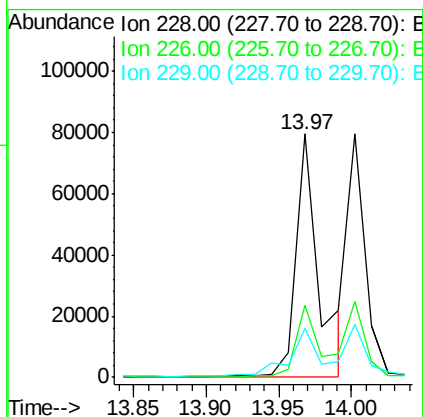
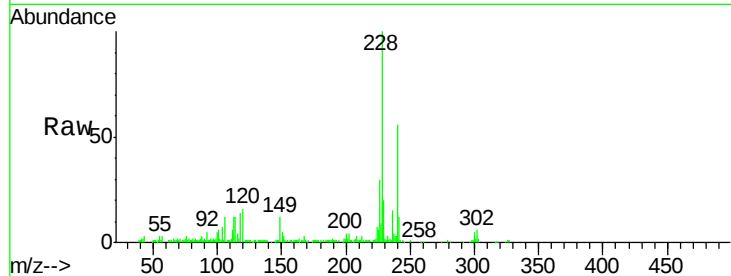




#80
Benzo(a)anthracene
Concen: 5.92 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

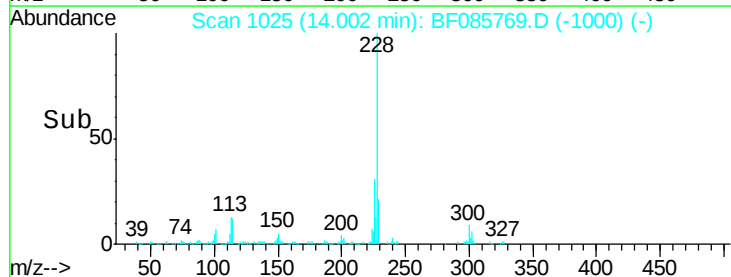
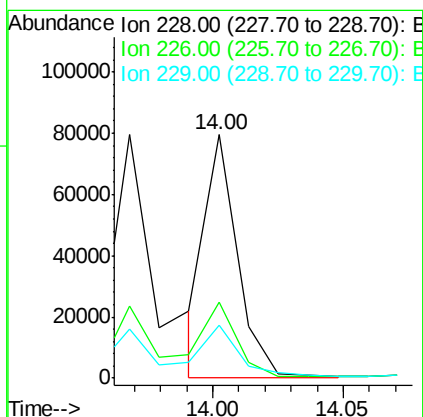
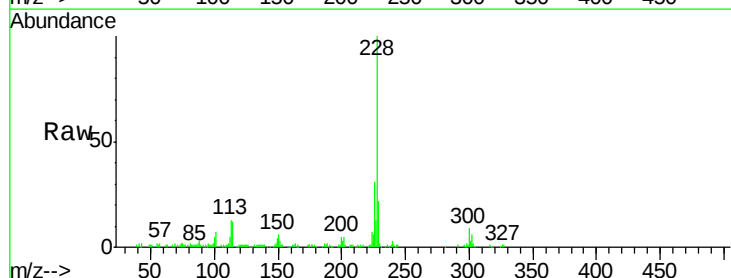
Instrument :
BNA_F
ClientSampled :
SB-3

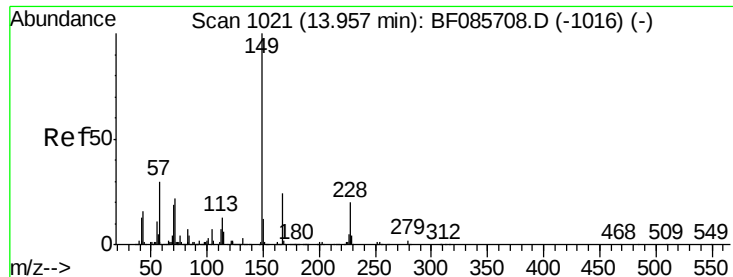
Tgt Ion:228 Resp: 88201
Ion Ratio Lower Upper
228 100
226 29.7 22.1 33.1
229 20.2 16.2 24.4



#82
Chrysene
Concen: 4.48 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

Tgt Ion:228 Resp: 67124
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 21.6 15.7 23.5

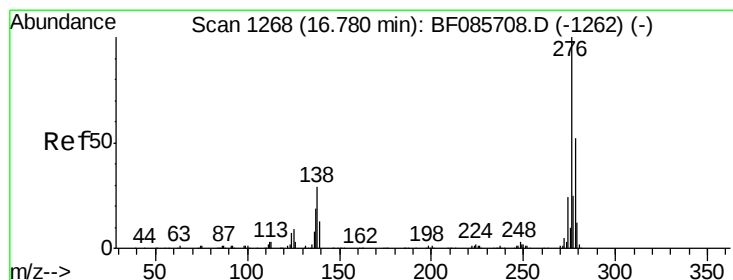
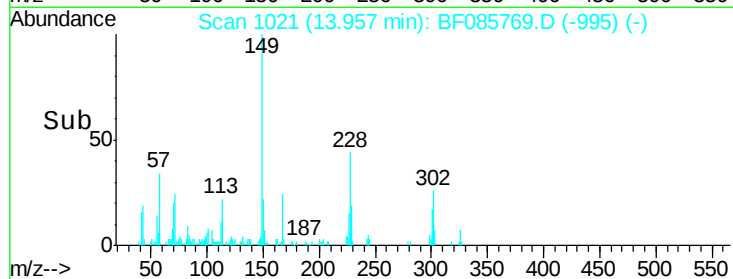
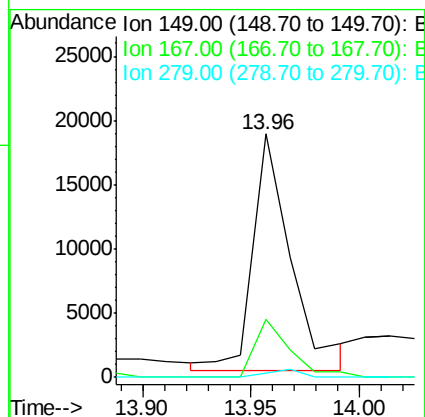
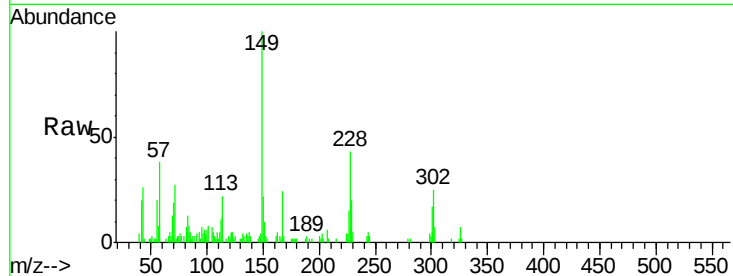




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.09 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BF085769.D
 Acq: 25 Mar 2016 18:50

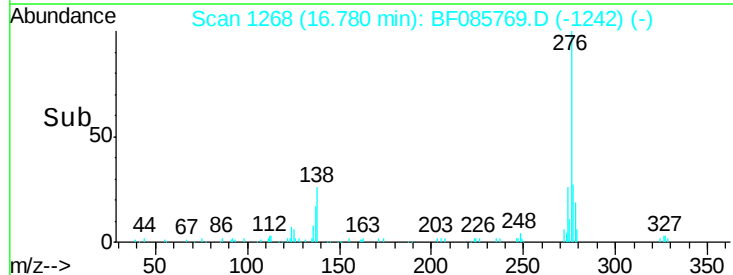
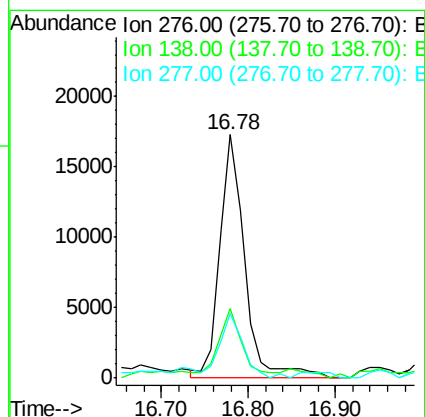
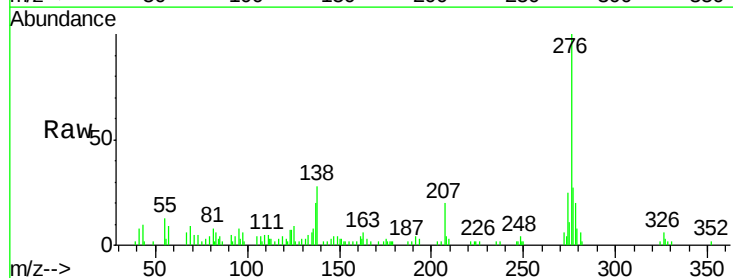
Instrument :
 BNA_F
 ClientSampled :
 SB-3

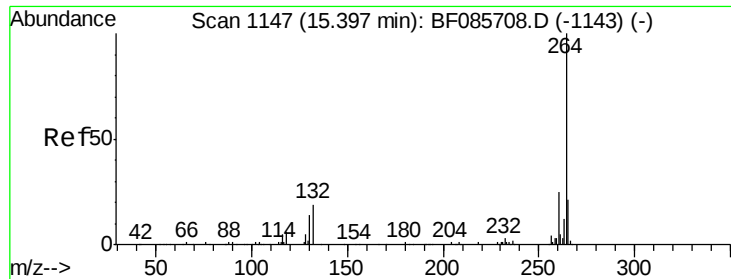
Tgt Ion:149 Resp: 22528
 Ion Ratio Lower Upper
 149 100
 167 23.9 19.4 29.2
 279 1.9 1.5 2.3



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.00 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085769.D
 Acq: 25 Mar 2016 18:50

Tgt Ion:276 Resp: 34732
 Ion Ratio Lower Upper
 276 100
 138 24.1 24.2 36.4#
 277 31.7 20.0 30.0#

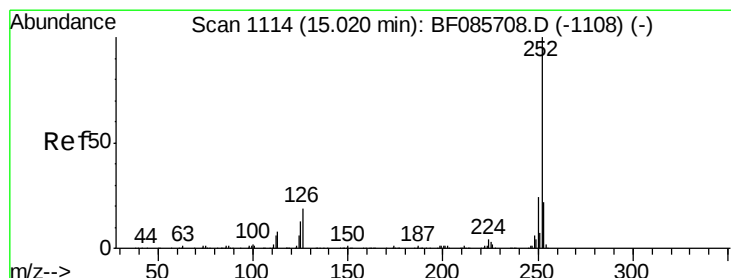
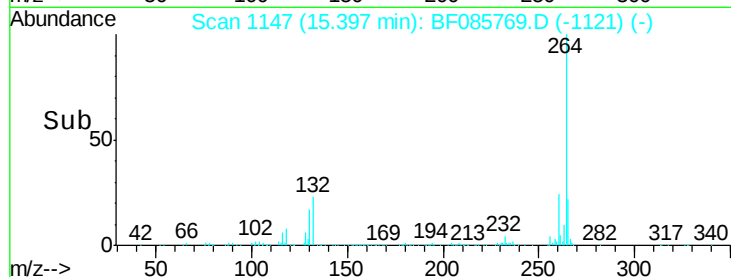
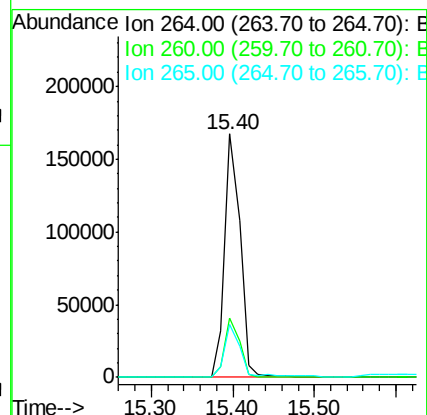
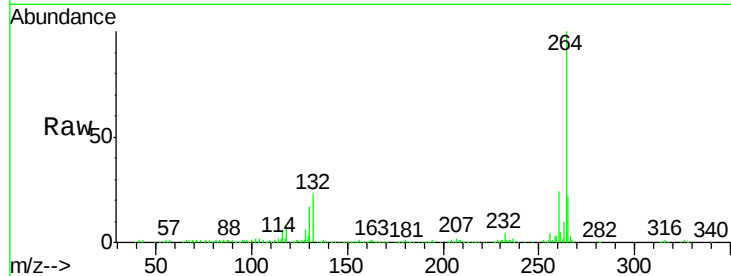




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

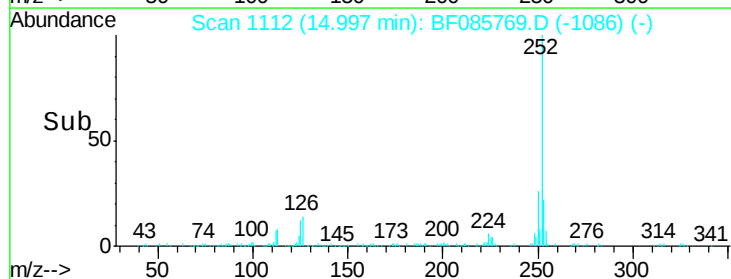
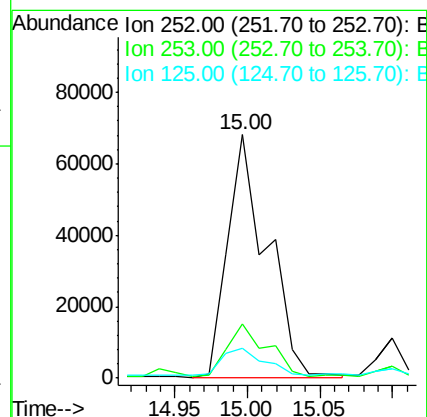
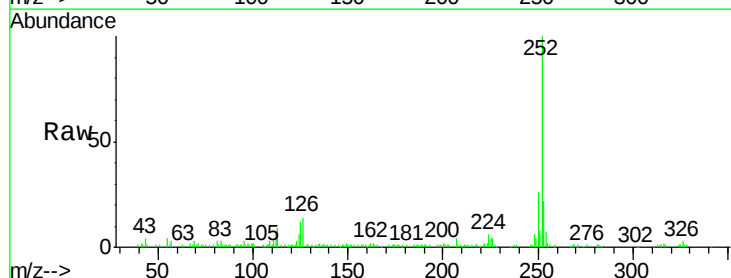
Instrument :
BNA_F
ClientSampleId :
SB-3

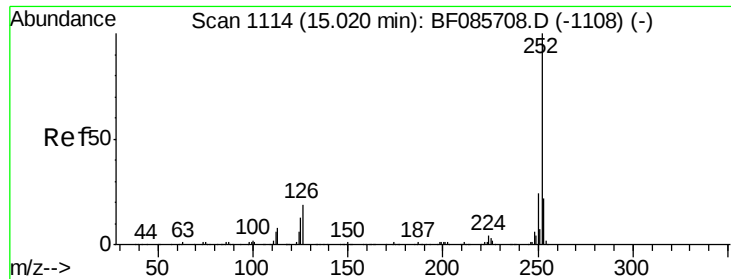
Tgt Ion:264 Resp: 221902
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.24 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

Tgt Ion:252 Resp: 129183
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.5 10.3 15.5

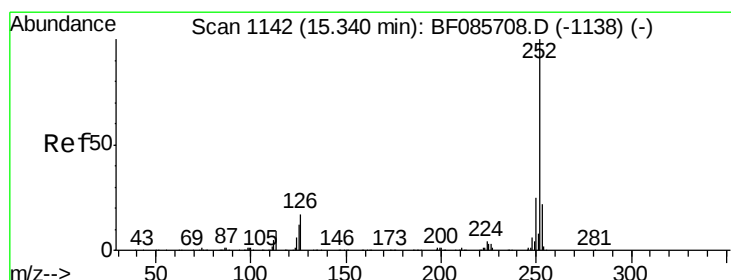
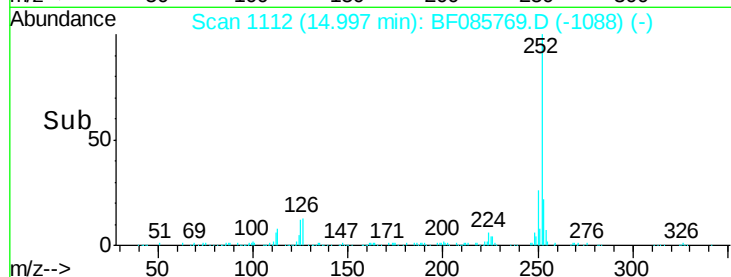
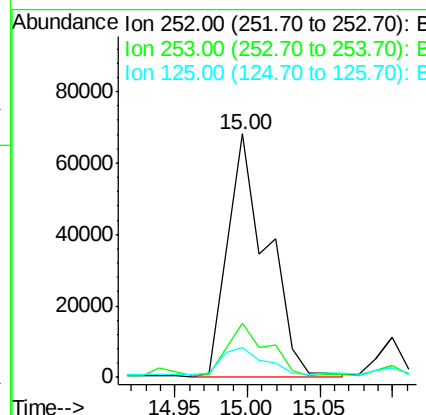
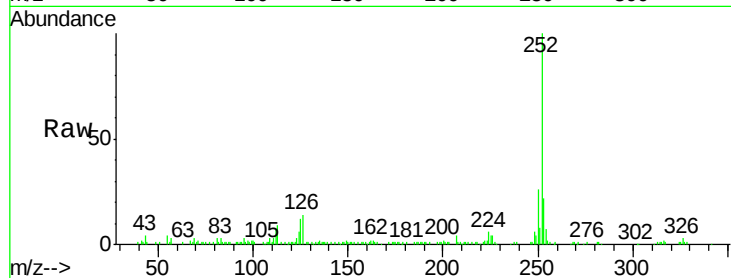




#88
Benzo(k)fluoranthene
Concen: 10.25 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

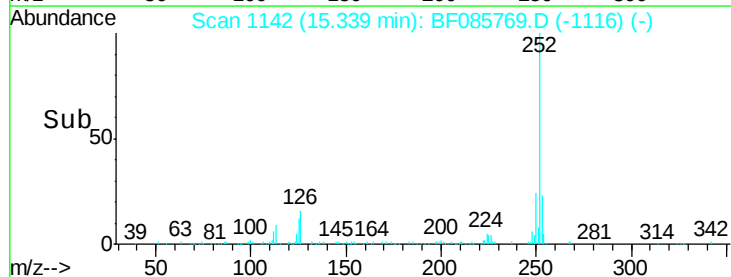
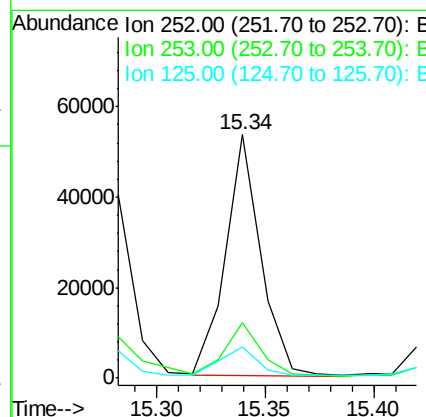
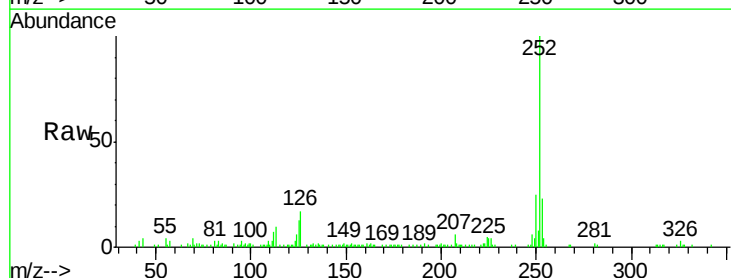
Instrument :
BNA_F
ClientSampleId :
SB-3

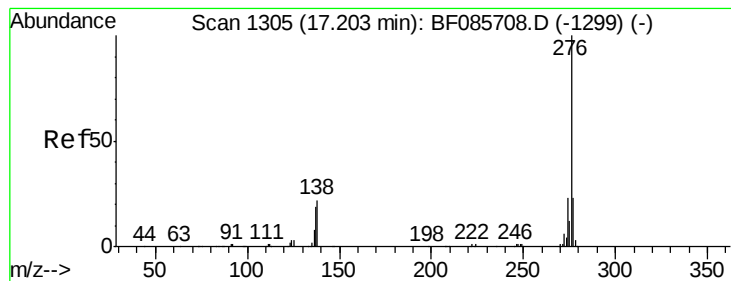
Tgt Ion:252 Resp: 129183
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 12.5 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 4.84 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085769.D
Acq: 25 Mar 2016 18:50

Tgt Ion:252 Resp: 60119
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 12.6 10.3 15.5





#91

Benzo(g,h,i)perylene

Concen: 2.72 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085769.D

Acq: 25 Mar 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SB-3

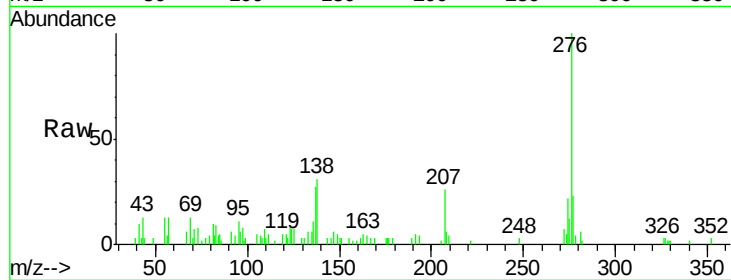
Tgt Ion: 276 Resp: 31785

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 31.0 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

