

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085776.D
 Acq On : 25 Mar 2016 22:12
 Operator : UM/SJ
 Sample : H1855-12 2X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7A

Quant Time: Mar 25 21:56:02 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

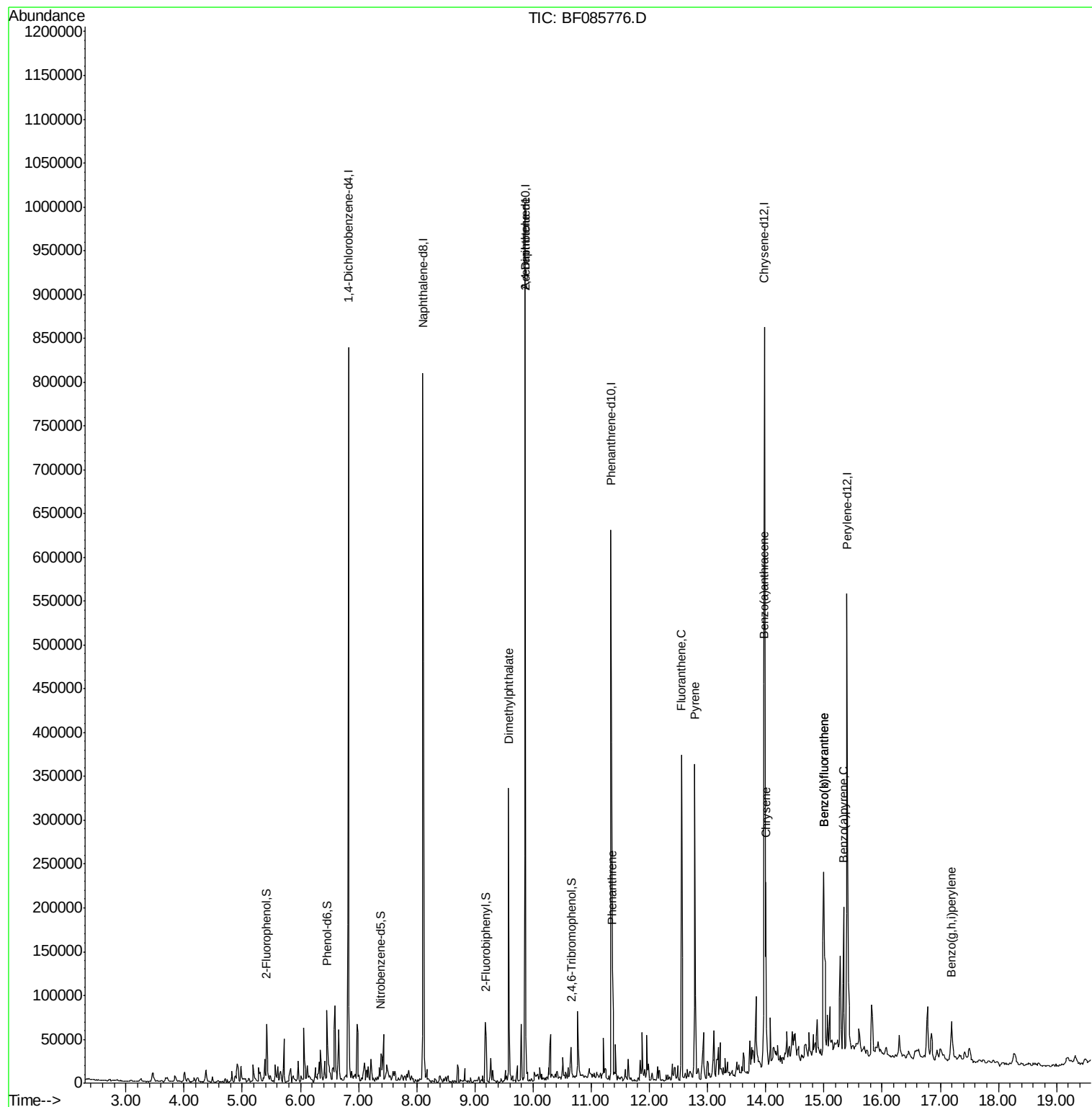
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	124204	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	454995	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	194244	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	282952	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	256541	20.00	ng	0.00
86) Perylene-d12	15.40	264	226857	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	26862	3.60	ng	0.01
7) Phenol-d6	6.46	99	36782	3.88	ng	0.00
23) Nitrobenzene-d5	7.38	82	17400	2.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	4847	2.63	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	30801	2.65	ng	0.00
78) Terphenyl-d14	12.93	244	20037	1.61	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	4961	Below Cal		Qvalue 93
49) Dimethylphthalate	9.58	163	120299	8.16	ng	99
56) 2,4-Dinitrotoluene	9.86	165	25061	6.22	ng	# 37
70) Phenanthrene	11.36	178	57219	3.94	ng	99
74) Fluoranthene	12.55	202	159308	10.32	ng	97
77) Pyrene	12.78	202	148422	7.04	ng	100
80) Benzo(a)anthracene	13.97	228	97536	6.67	ng	95
82) Chrysene	14.00	228	61840	4.20	ng	98
87) Benzo(b)fluoranthene	15.00	252	149559	10.47	ng	98
88) Benzo(k)fluoranthene	15.00	252	149559	11.61	ng	# 98
89) Benzo(a)pyrene	15.34	252	75975	5.99	ng	97
91) Benzo(g,h,i)perylene	17.19	276	37654	3.15	ng	98

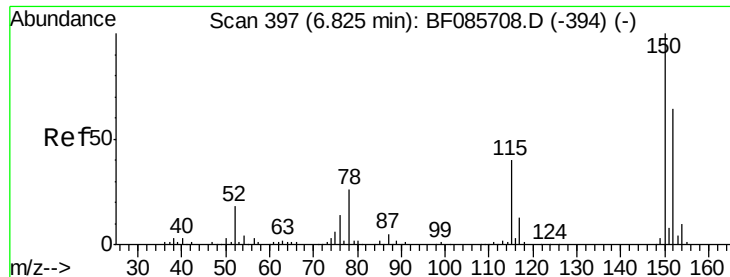
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

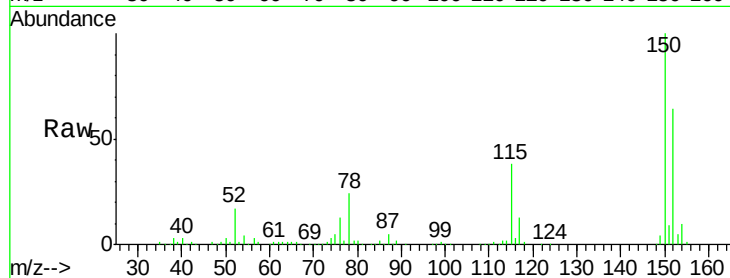
Tgt Ion:152 Resp: 124204

Ion Ratio Lower Upper

152 100

150 156.4 124.2 186.2

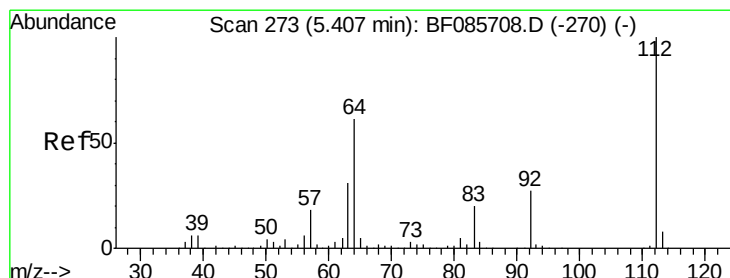
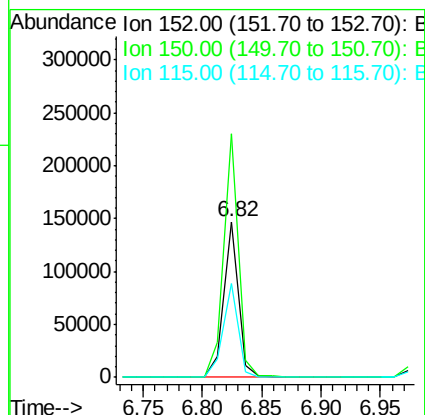
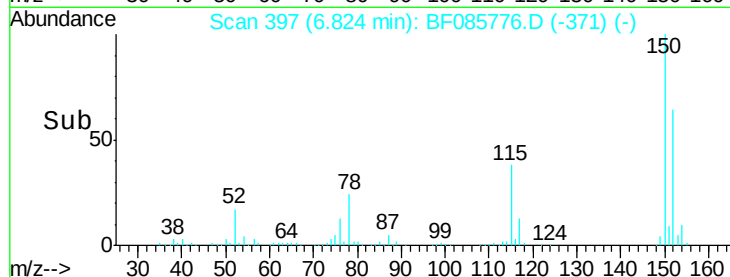
115 60.1 47.0 70.6



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: 3.60 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

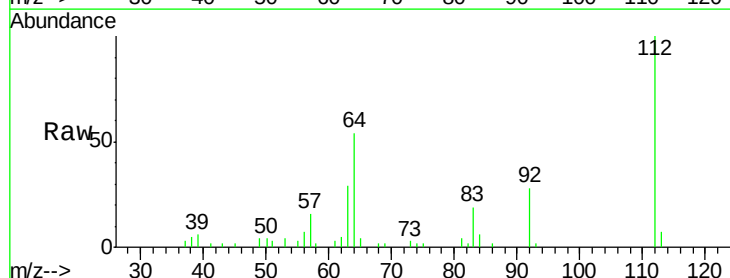
Tgt Ion:112 Resp: 26862

Ion Ratio Lower Upper

112 100

64 53.6 39.9 59.9

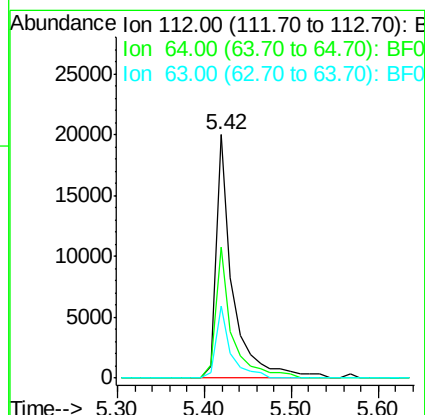
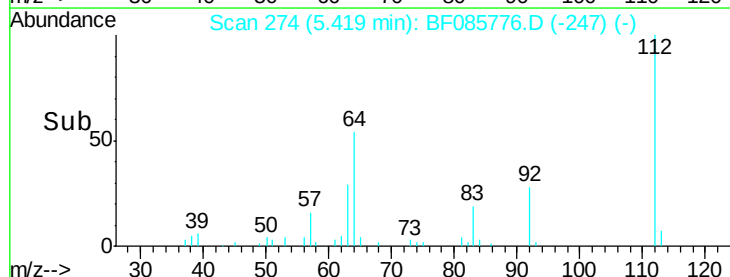
63 29.4 20.2 30.2

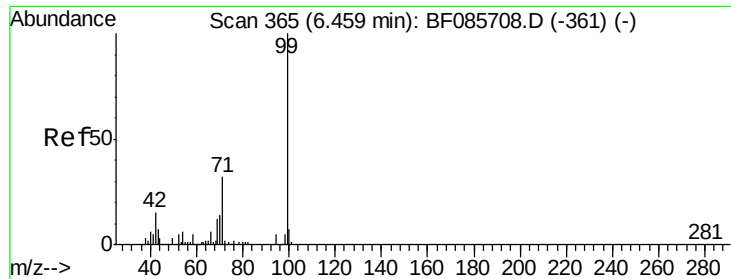


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.88 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

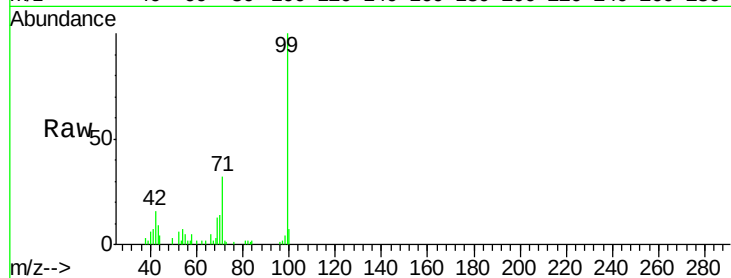
Tgt Ion: 99 Resp: 36782

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

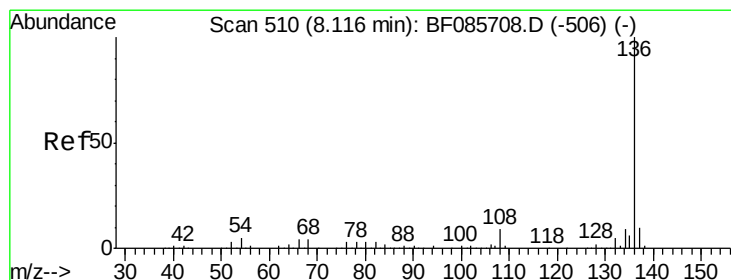
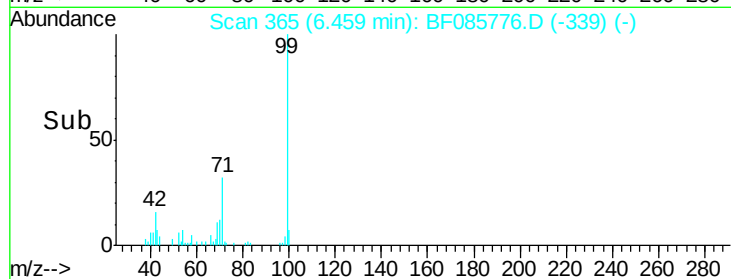
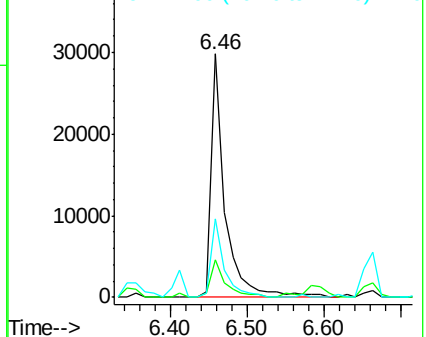
71 32.4 24.9 37.3



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: BF085776.D

Acq: 25 Mar 2016 22:12

Tgt Ion: 136 Resp: 454995

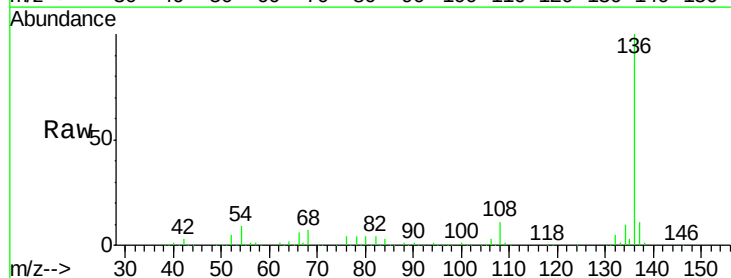
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.5 7.4 11.0

68 7.4 5.8 8.8

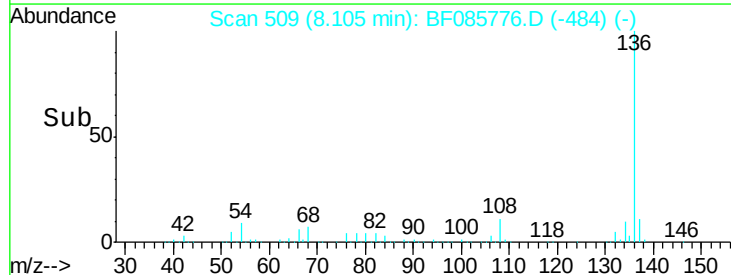
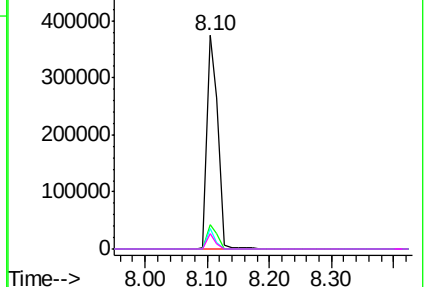


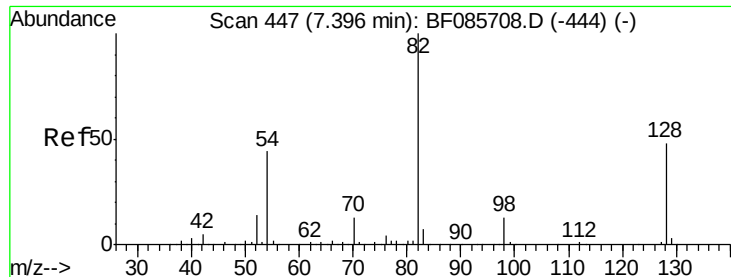
Abundance Ion 136.00 (135.70 to 136.70): E

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

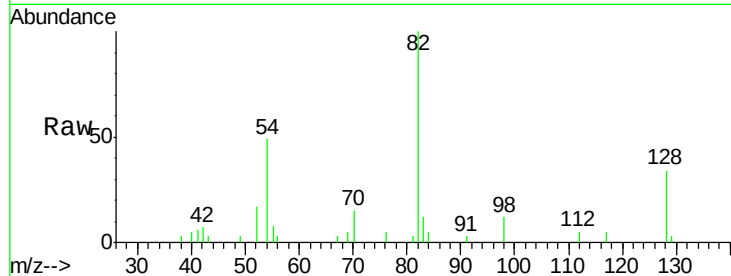




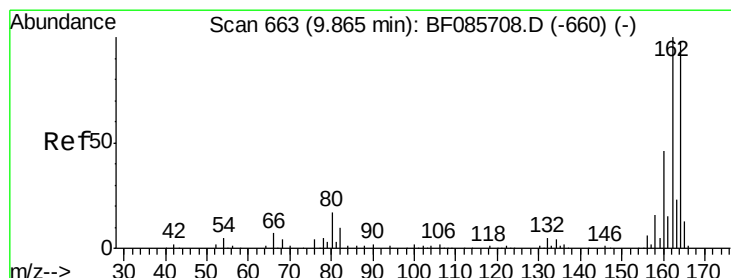
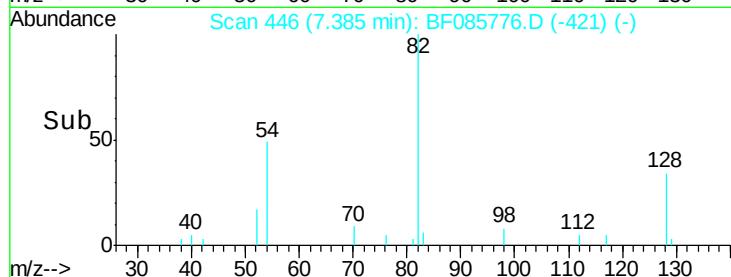
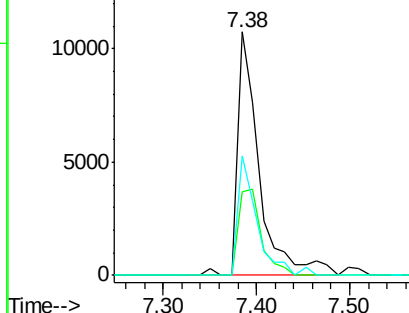
#23
 Nitrobenzene-d5
 Concen: 2.15 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085776.D
 Acq: 25 Mar 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-7A

Tgt Ion: 82 Resp: 17400
 Ion Ratio Lower Upper
 82 100
 128 34.2 41.8 62.8#
 54 49.1 33.4 50.0

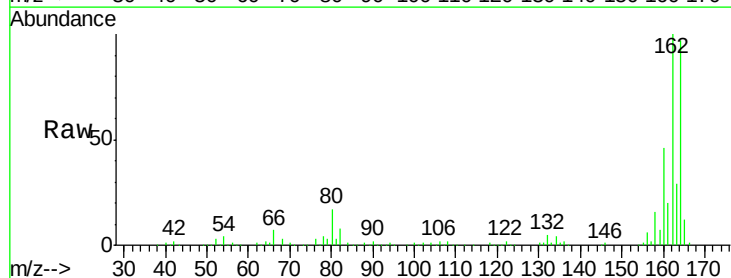


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

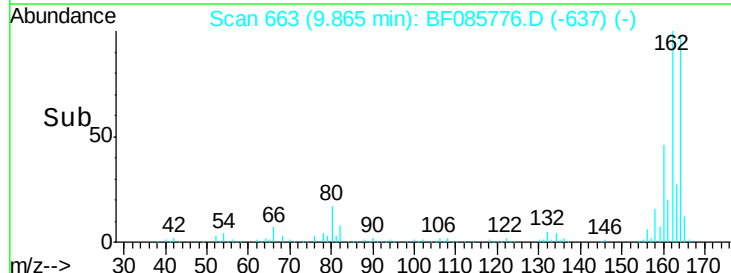
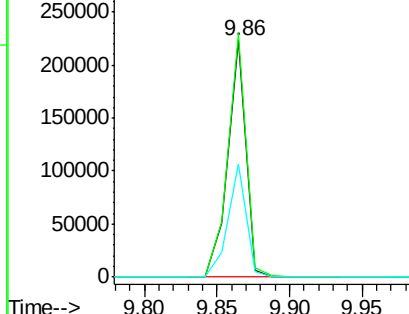


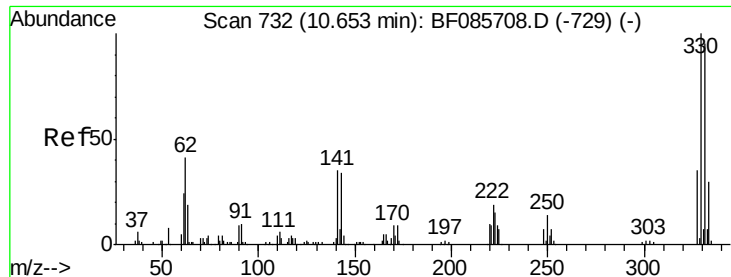
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085776.D
 Acq: 25 Mar 2016 22:12

Tgt Ion: 164 Resp: 194244
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.1 123.1
 160 47.8 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

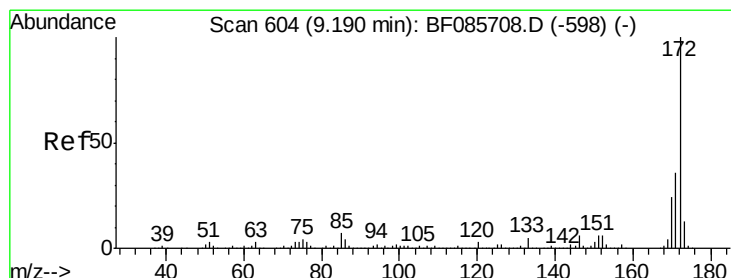
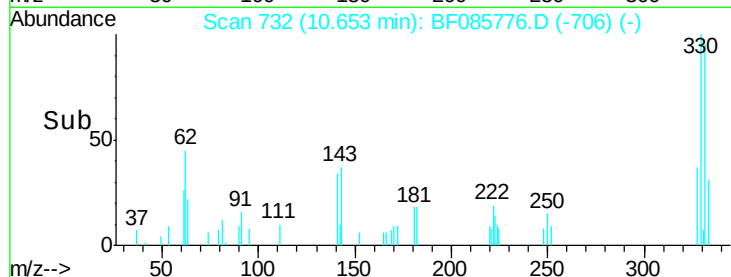
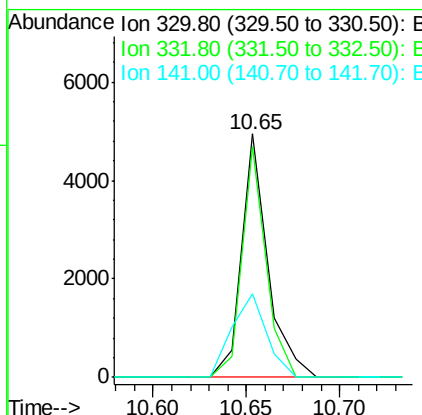
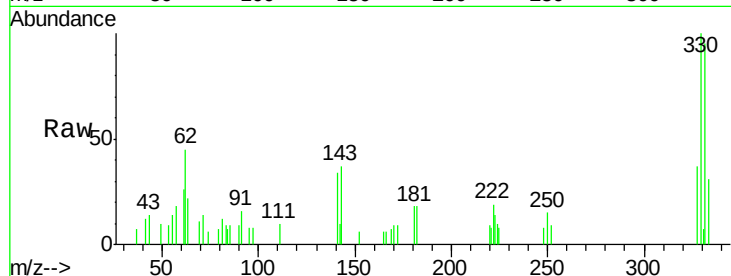




#41
 2,4,6-Tribromophenol
 Concen: 2.63 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085776.D
 Acq: 25 Mar 2016 22:12

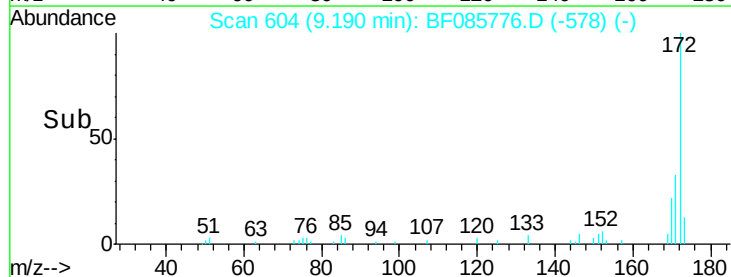
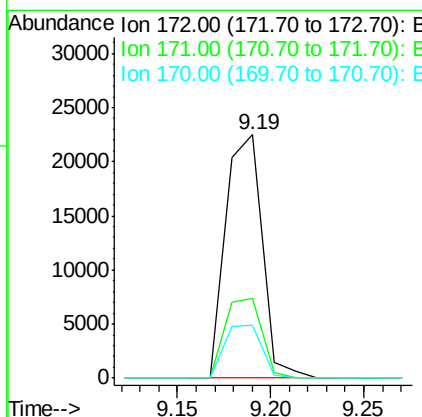
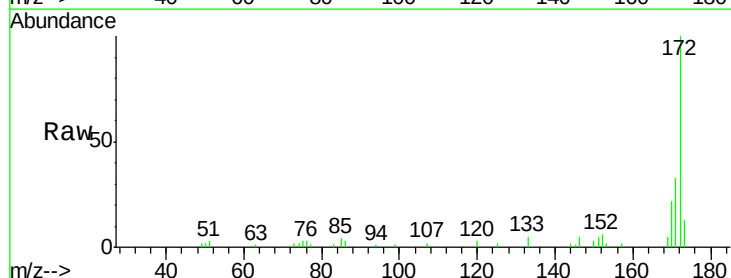
Instrument :
 BNA_F
 ClientSampleId :
 SB-7A

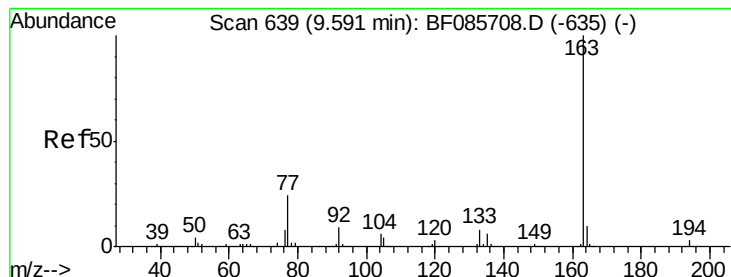
Tgt Ion	Ratio	Lower	Upper
330	100		
332	86.4	78.2	117.2
141	45.1	31.5	47.3



#44
 2-Fluorobiphenyl
 Concen: 2.65 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085776.D
 Acq: 25 Mar 2016 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.4	44.2
170	22.0	19.8	29.6





#49

Dimethylphthalate

Concen: 8.16 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

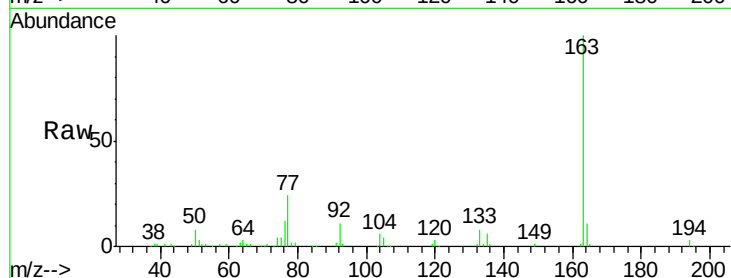
Tgt Ion:163 Resp: 120299

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

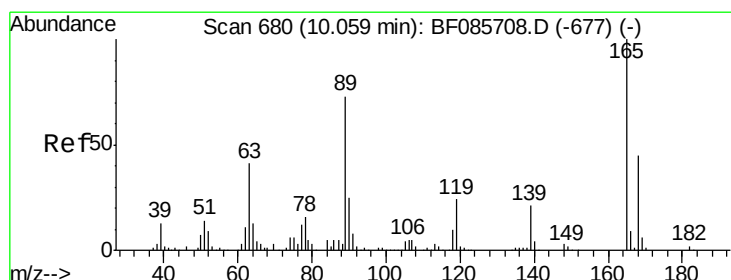
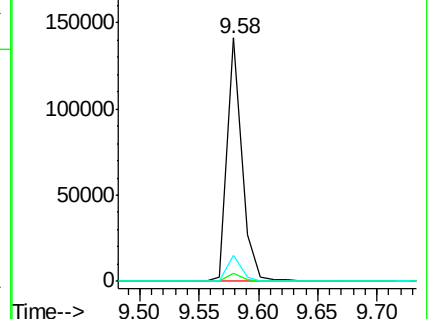
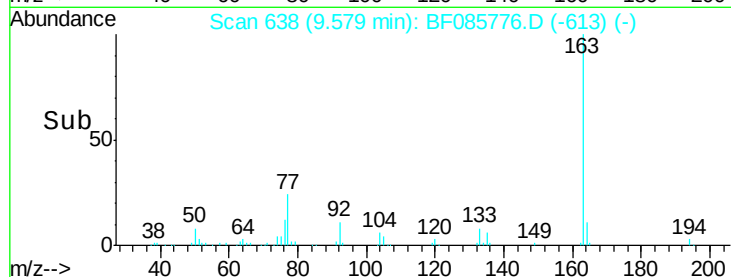
164 10.7 8.3 12.5



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: 6.22 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Tgt Ion:165 Resp: 25061

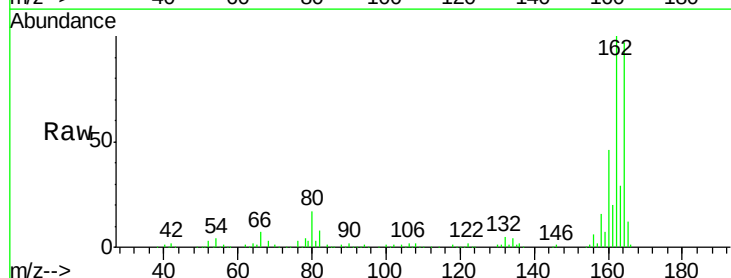
Ion Ratio Lower Upper

165 100

63 1.5 24.9 37.3#

89 1.9 41.0 61.6#

182 0.0 2.1 3.1#

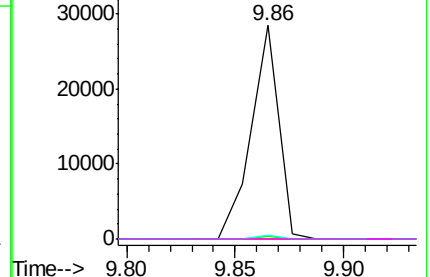
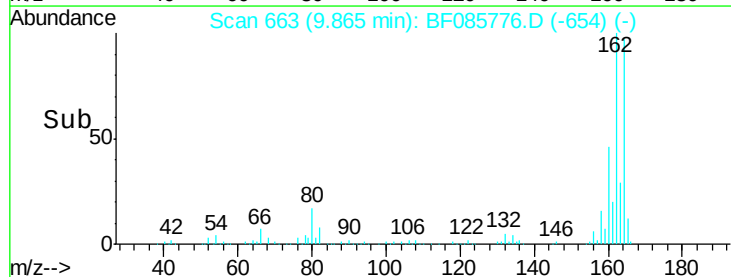


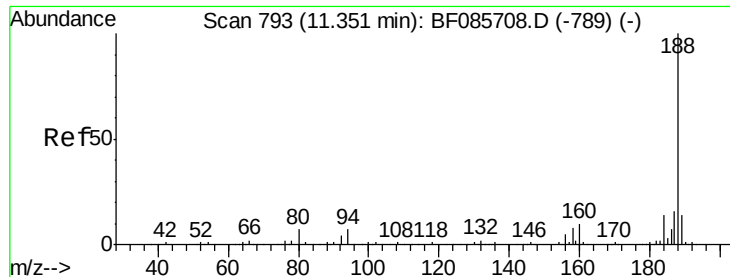
Abundance Ion 165.00 (164.70 to 165.70): E

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

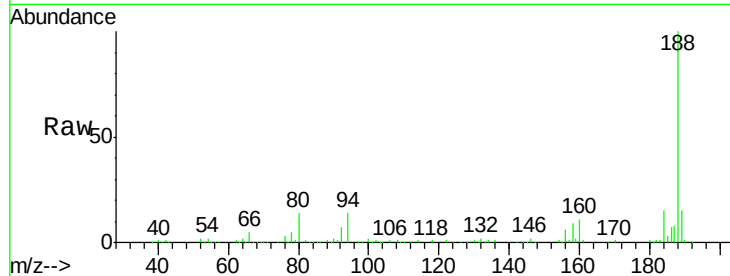




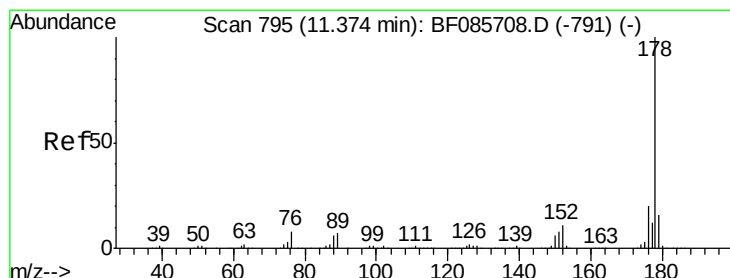
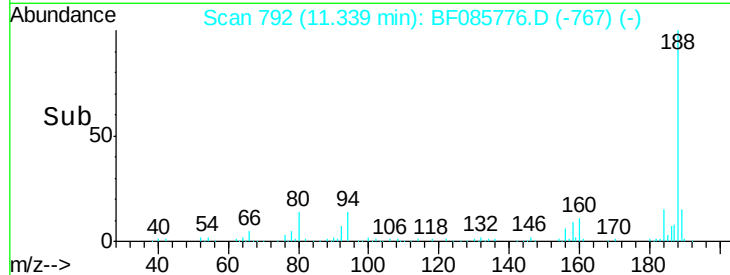
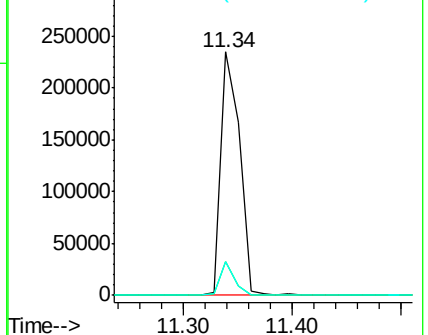
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085776.D
Acq: 25 Mar 2016 22:12

Instrument :
BNA_F
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SB-7A

Tgt Ion:188 Resp: 282952
Ion Ratio Lower Upper
188 100
94 13.7 5.4 8.0#
80 14.1 5.5 8.3#

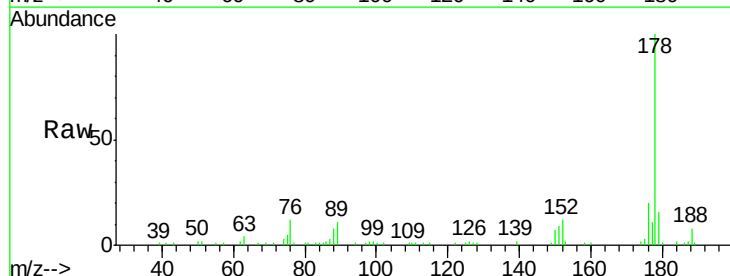


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

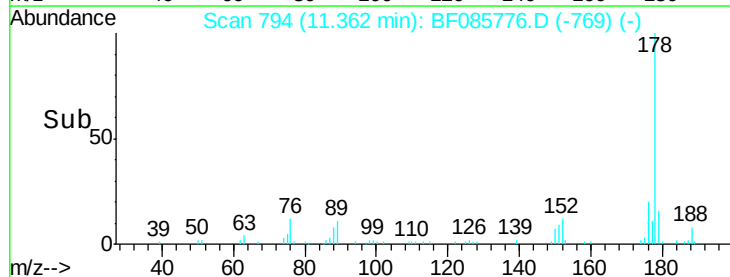
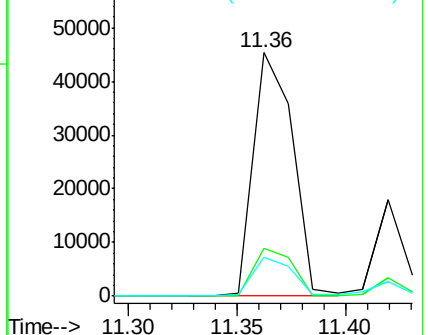


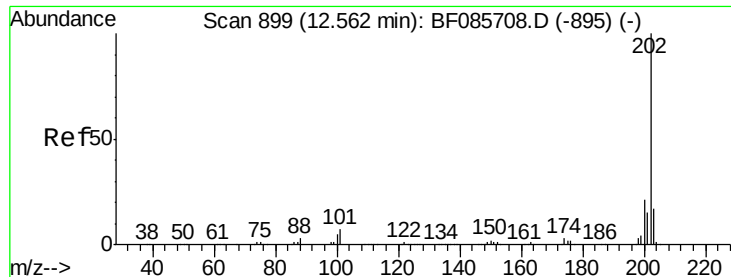
#70
Phenanthrene
Concen: 3.94 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085776.D
Acq: 25 Mar 2016 22:12

Tgt Ion:178 Resp: 57219
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 15.9 12.6 18.8



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





#74

Fluoranthene

Concen: 10.32 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

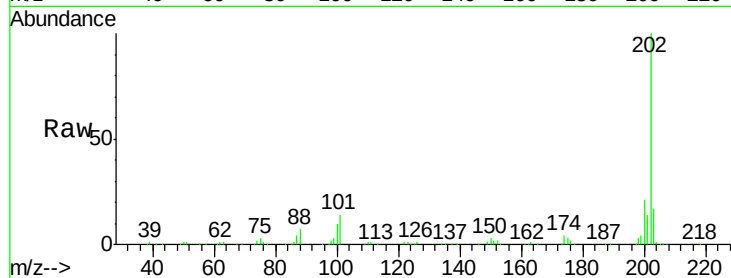
Tgt Ion:202 Resp: 159308

Ion Ratio Lower Upper

202 100

101 14.3 0.0 36.6

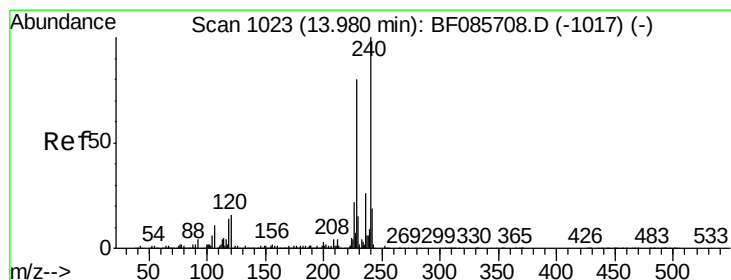
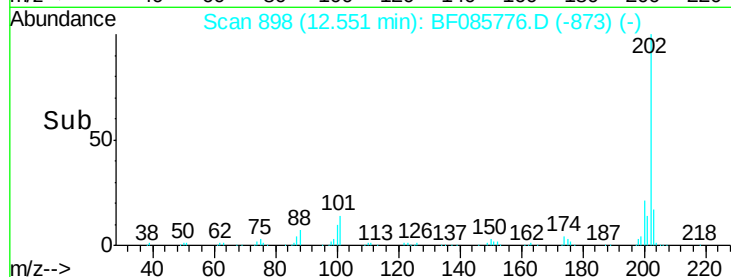
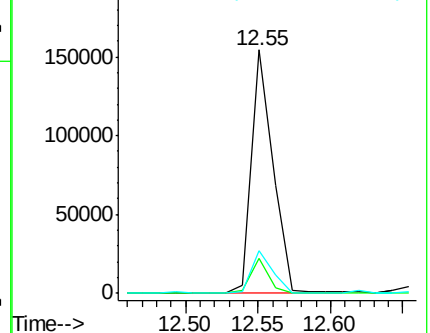
203 17.5 0.0 38.1



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: BF085776.D

Acq: 25 Mar 2016 22:12

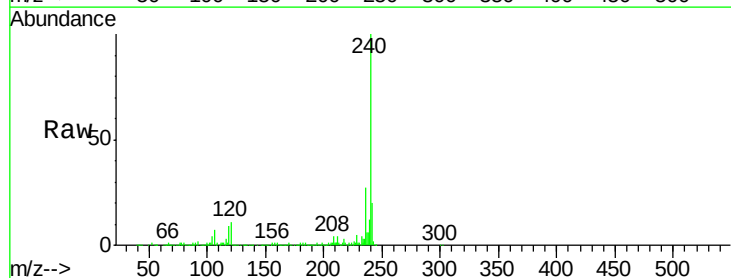
Tgt Ion:240 Resp: 256541

Ion Ratio Lower Upper

240 100

120 11.0 13.8 20.8#

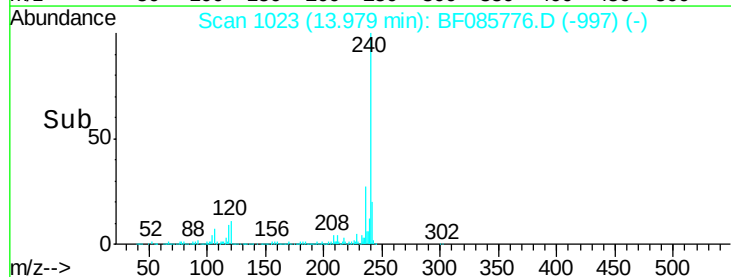
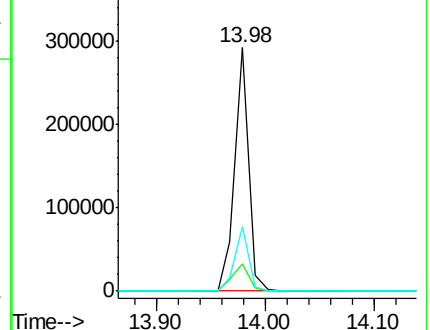
236 26.5 20.6 30.8

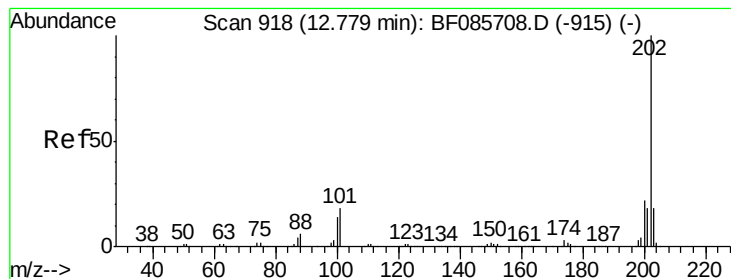


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.04 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

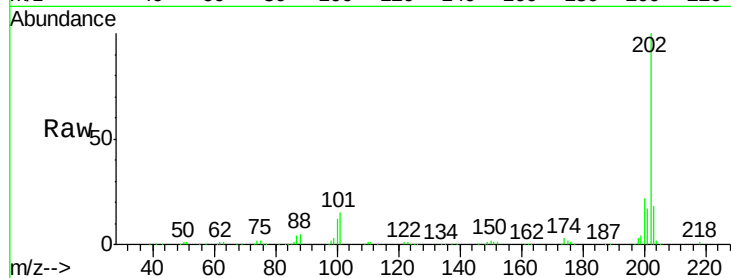
Tgt Ion:202 Resp: 148422

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

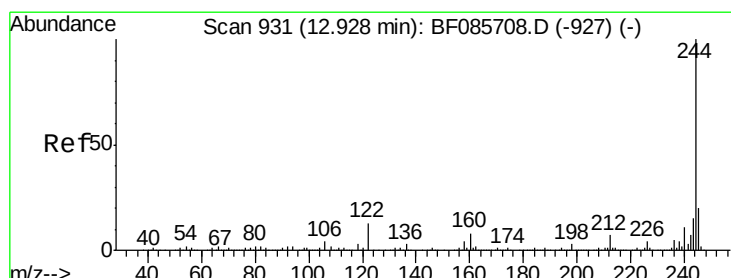
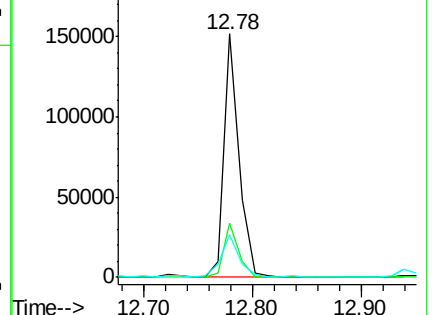
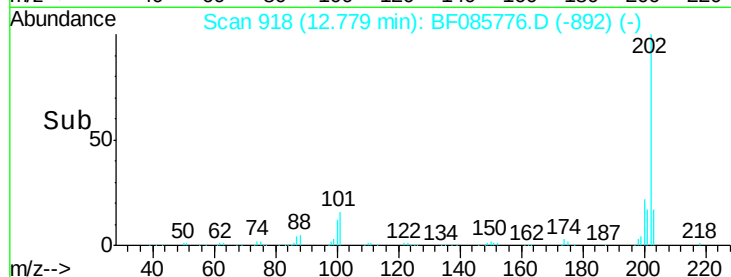
203 17.6 14.0 21.0



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: 1.61 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

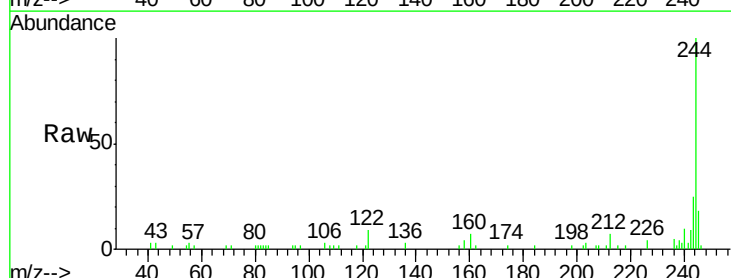
Tgt Ion:244 Resp: 20037

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

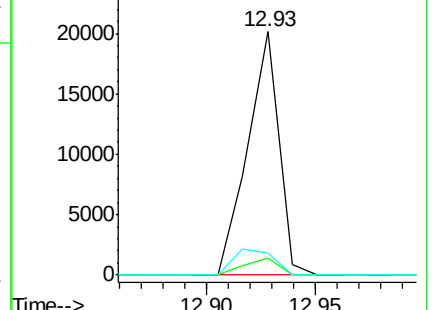
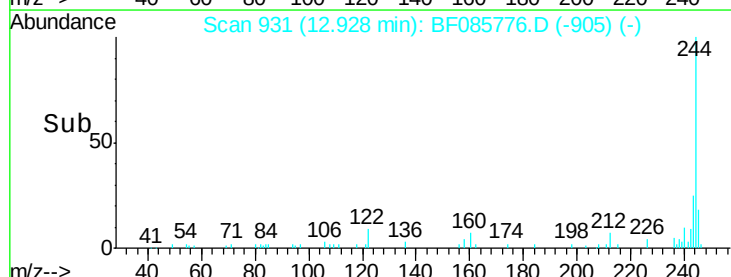
122 9.2 10.2 15.4

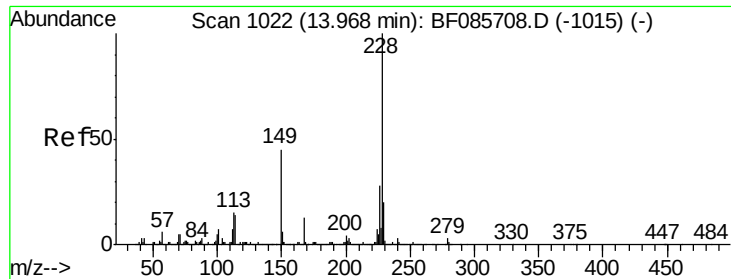


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.67 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

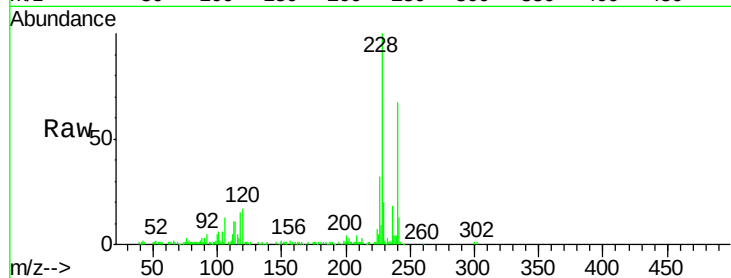
Tgt Ion:228 Resp: 97536

Ion Ratio Lower Upper

228 100

226 31.6 22.1 33.1

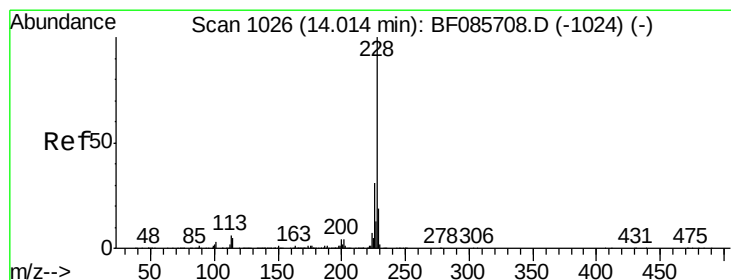
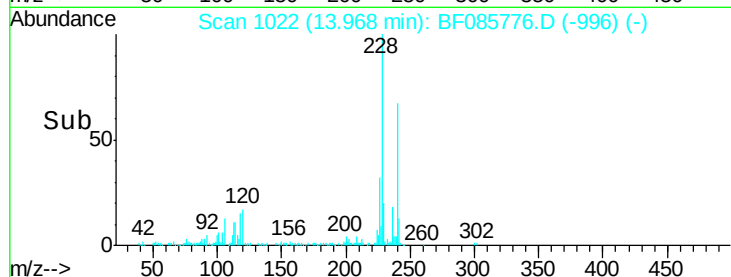
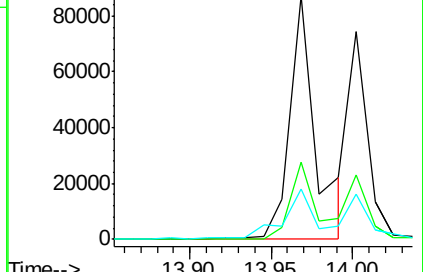
229 20.5 16.2 24.4



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



#82

Chrysene

Concen: 4.20 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

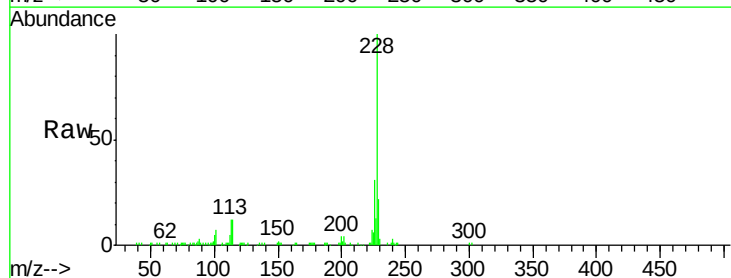
Tgt Ion:228 Resp: 61840

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

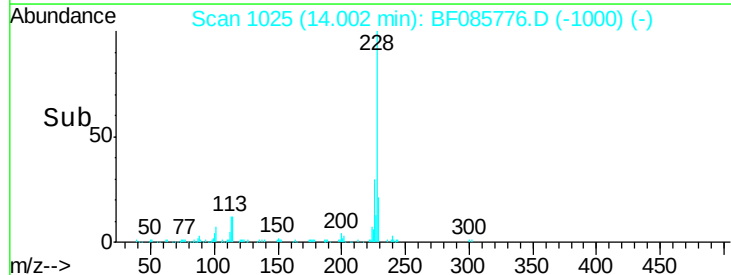
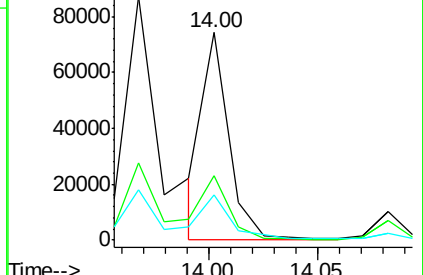
229 21.6 15.7 23.5

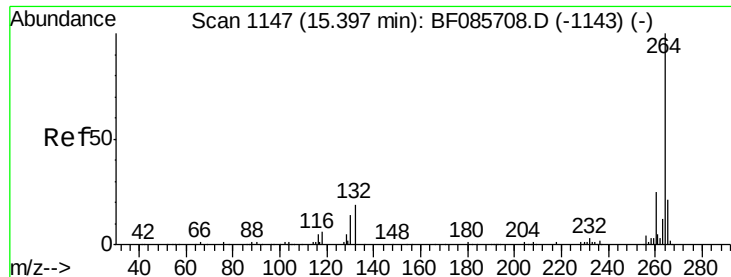


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

Instrument :

BNA_F

ClientSampleId :

SB-7A

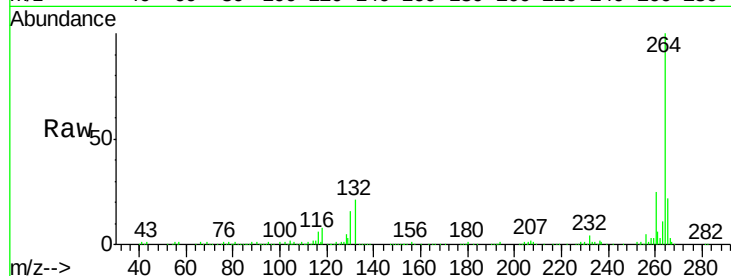
Tgt Ion:264 Resp: 226857

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

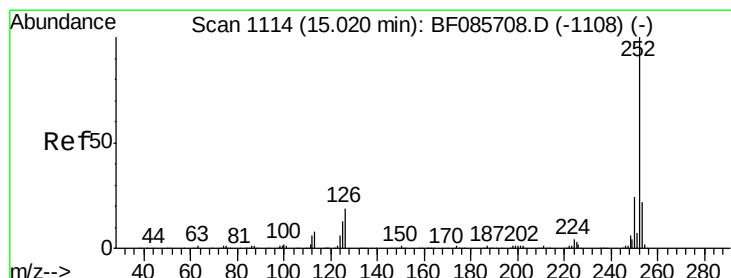
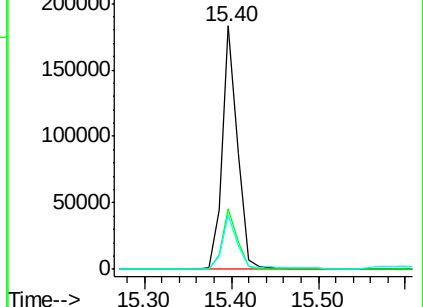
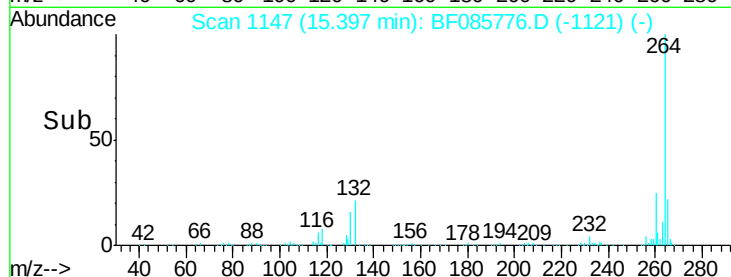
265 22.1 17.2 25.8



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



#87

Benzo(b)fluoranthene

Concen: 10.47 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085776.D

Acq: 25 Mar 2016 22:12

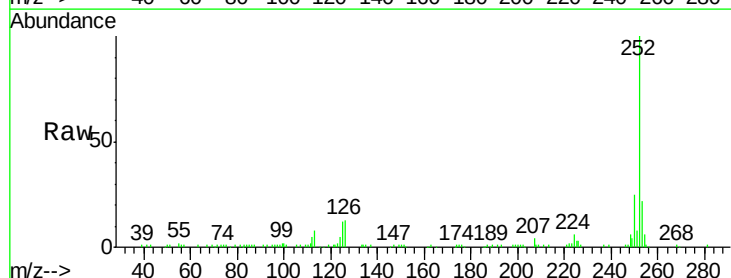
Tgt Ion:252 Resp: 149559

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

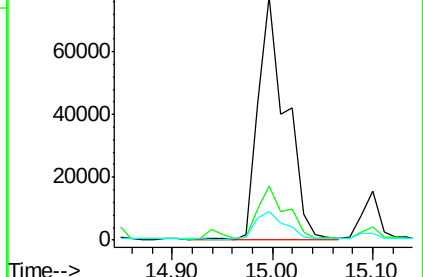
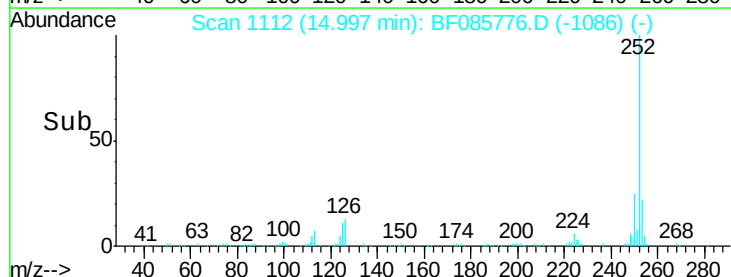
125 11.6 10.3 15.5

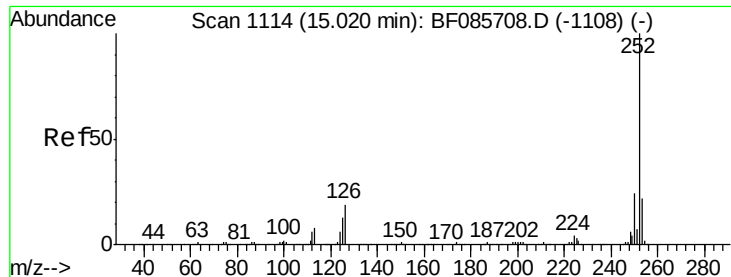


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

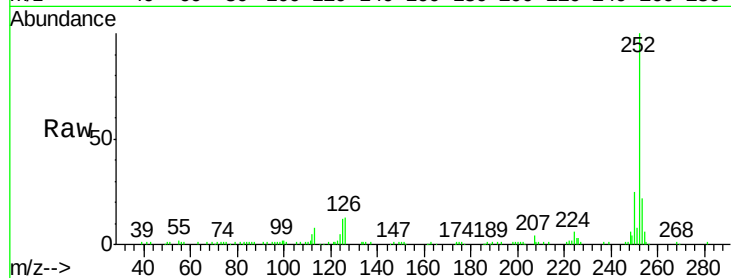




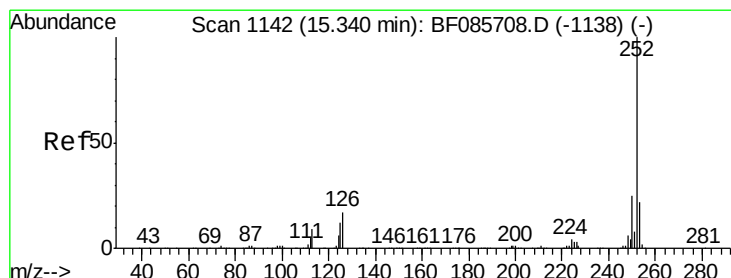
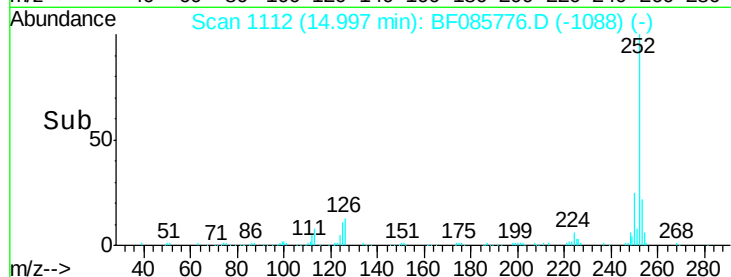
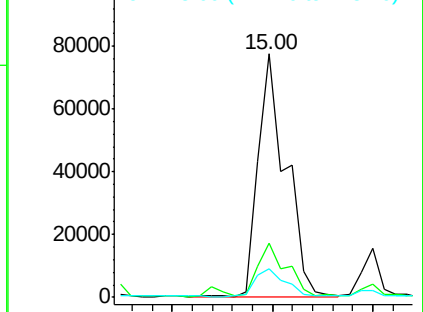
#88
Benzo(k)fluoranthene
Concen: 11.61 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085776.D
Acq: 25 Mar 2016 22:12

Instrument :
BNA_F
ClientSampleId :
SB-7A

Tgt Ion:252 Resp: 149559
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.6 7.7 11.5#

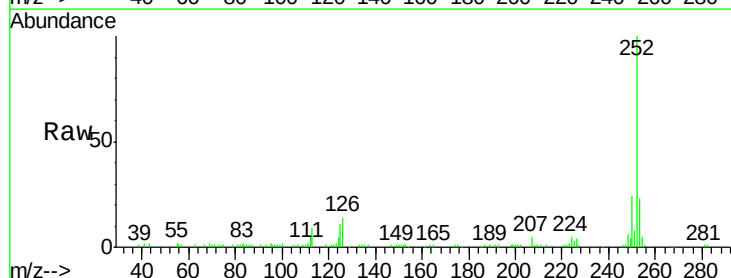


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

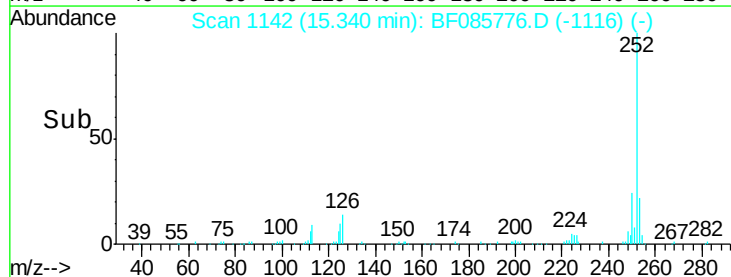
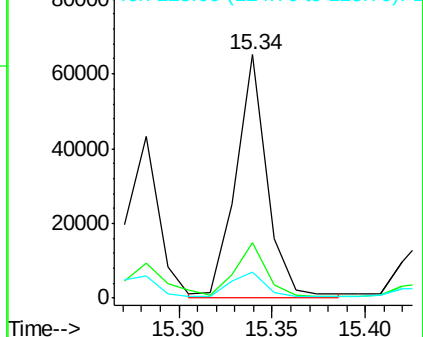


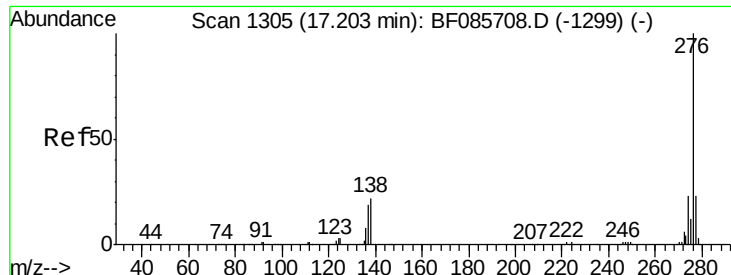
#89
Benzo(a)pyrene
Concen: 5.99 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085776.D
Acq: 25 Mar 2016 22:12

Tgt Ion:252 Resp: 75975
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.6 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: 3.15 ng
 RT: 17.19 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF085776.D
 Acq: 25 Mar 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-7A

Tgt Ion: 276 Resp: 37654
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.8 28.2
 138 28.9 22.6 34.0

