

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085792.D
 Acq On : 26 Mar 2016 5:45
 Operator : UM/SJ
 Sample : H1855-05DL 5X
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Quant Time: Mar 26 05:17:16 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	101926	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	350413	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	148967	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	247535	20.00	ng	0.00
75) Chrysene-d12	13.98	240	222271	20.00	ng	0.00
86) Perylene-d12	15.40	264	173760	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	10945	1.79	ng	0.02
7) Phenol-d6	6.47	99	14166	1.82	ng	0.01
23) Nitrobenzene-d5	7.40	82	6172	0.99	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	2051	1.45	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	12758	1.43	ng	0.00
78) Terphenyl-d14	12.93	244	11675	1.08	ng	0.00

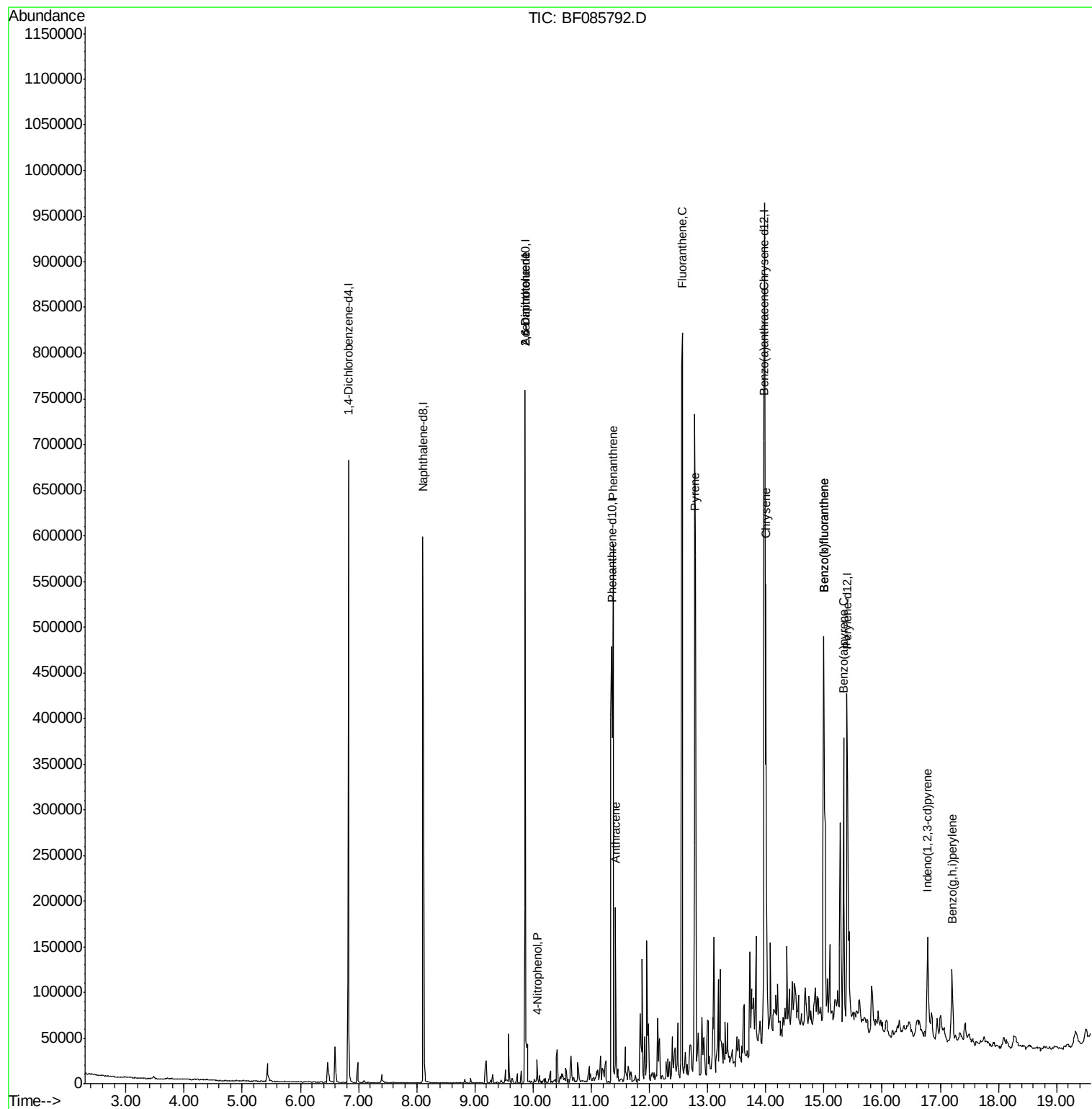
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.93	142	2395	Below Cal		92
50) 2,6-Dinitrotoluene	9.86	165	19055	7.83 ng	#	19
55) 4-Nitrophenol	10.07	139	4000	2.20 ng	#	10
56) 2,4-Dinitrotoluene	9.86	165	19055	6.16 ng	#	38
70) Phenanthrene	11.37	178	282513	22.23 ng		98
71) Anthracene	11.42	178	74316	5.57 ng		98
74) Fluoranthene	12.56	202	485457	35.93 ng		88
77) Pyrene	12.79	202	406649	22.26 ng		98
80) Benzo(a)anthracene	13.97	228	248484	19.61 ng		99
82) Chrysene	14.00	228	165032	12.93 ng		98
85) Indeno(1,2,3-cd)pyrene	16.78	276	70935	7.20 ng		95
87) Benzo(b)fluoranthene	15.00	252	281899	25.75 ng		98
88) Benzo(k)fluoranthene	15.00	252	281899	28.57 ng	#	98
89) Benzo(a)pyrene	15.34	252	136070	14.00 ng		99
91) Benzo(g,h,i)perylene	17.20	276	62738	6.86 ng		96

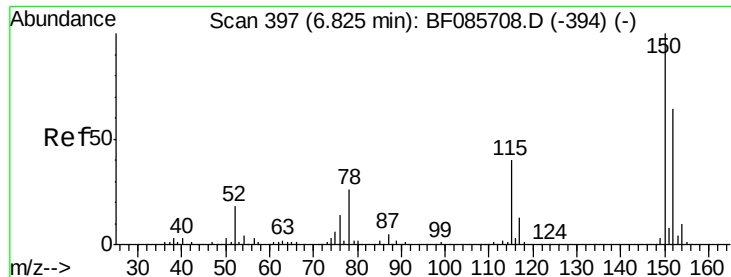
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

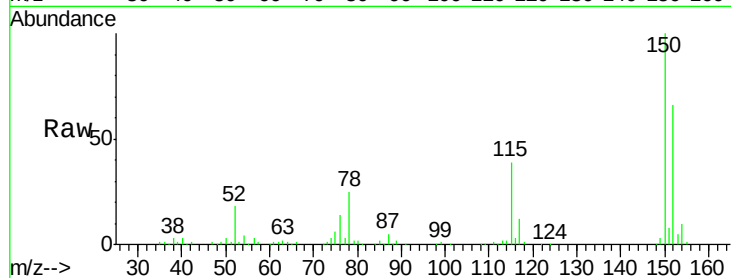
Tgt Ion:152 Resp: 101926

Ion Ratio Lower Upper

152 100

150 151.5 124.2 186.2

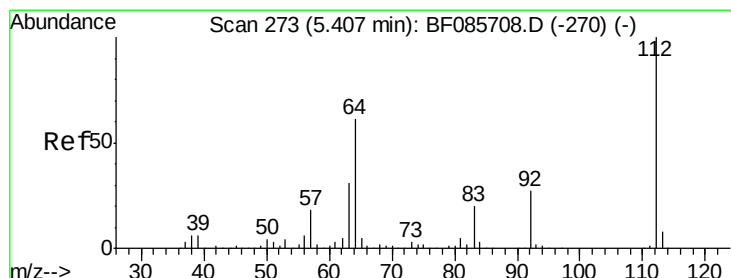
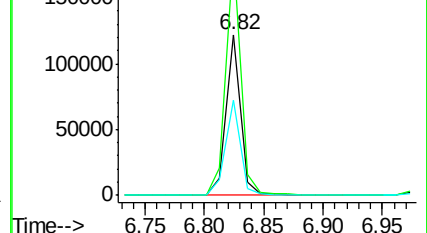
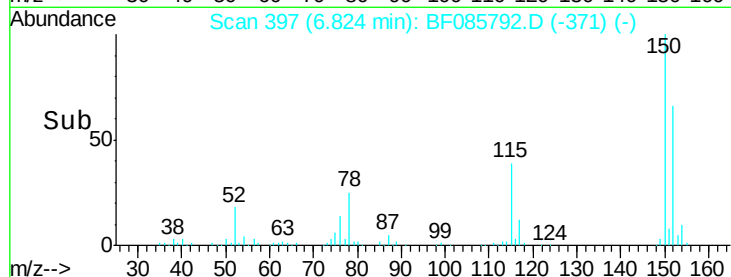
115 59.5 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 1.79 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

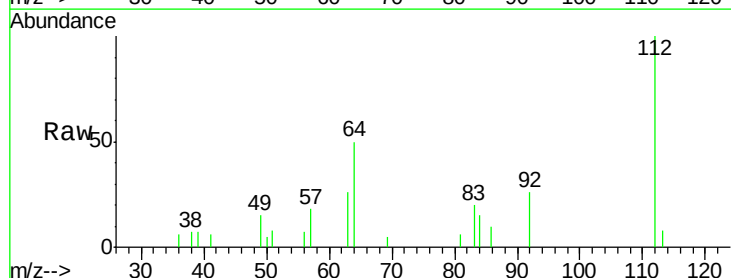
Tgt Ion:112 Resp: 10945

Ion Ratio Lower Upper

112 100

64 49.5 39.9 59.9

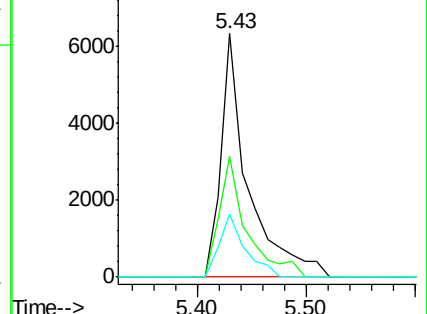
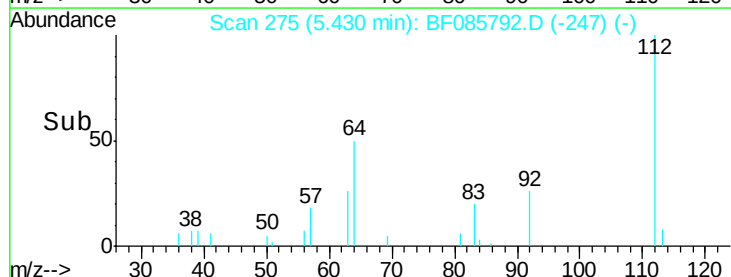
63 26.2 20.2 30.2

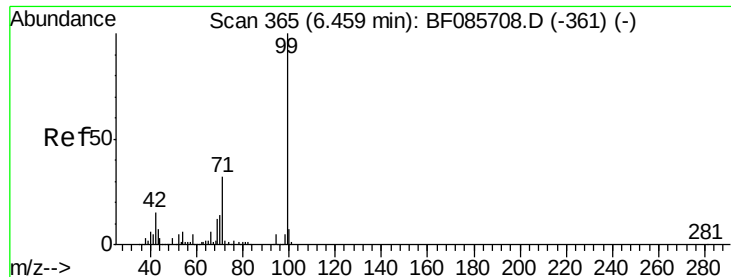


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.82 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

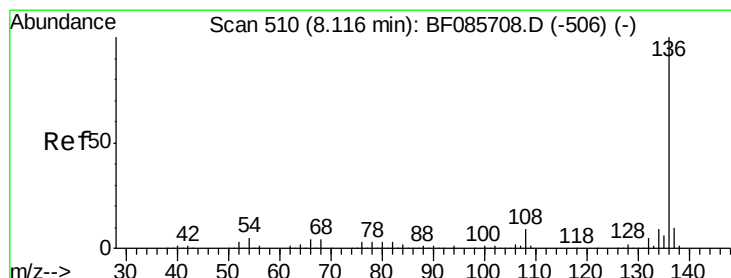
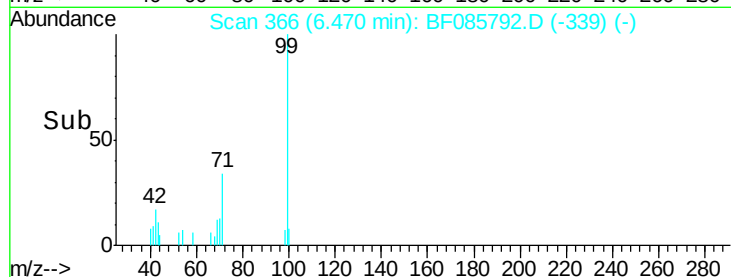
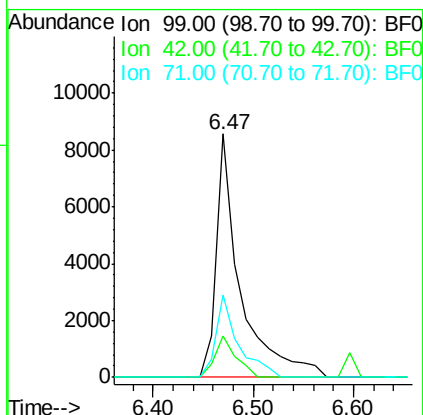
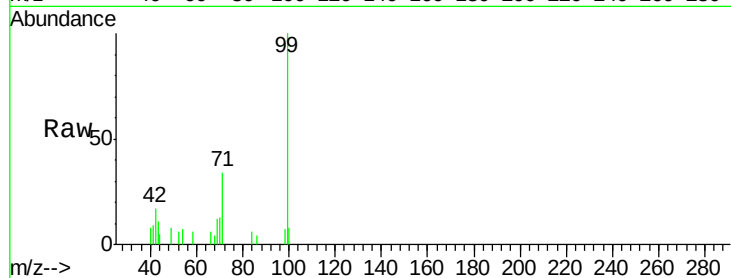
Tgt Ion: 99 Resp: 14166

Ion Ratio Lower Upper

99 100

42 17.2 11.1 16.7#

71 33.9 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: BF085792.D

Acq: 26 Mar 2016 5:45

Tgt Ion: 136 Resp: 350413

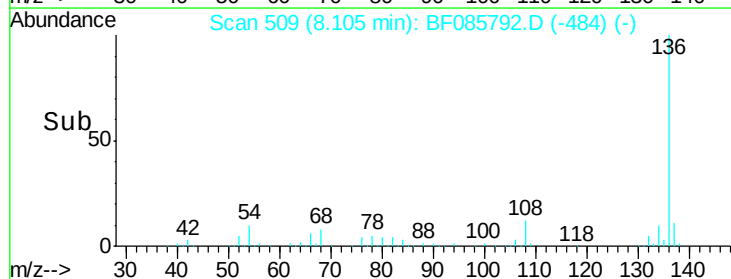
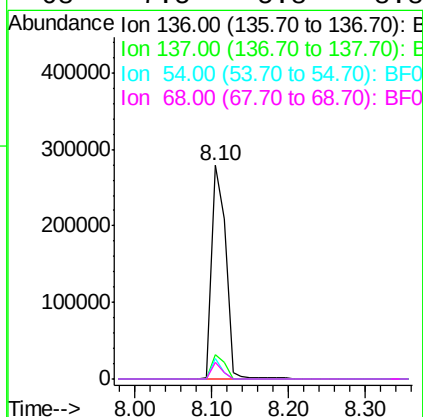
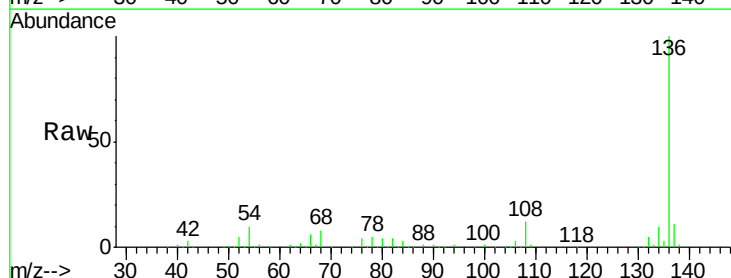
Ion Ratio Lower Upper

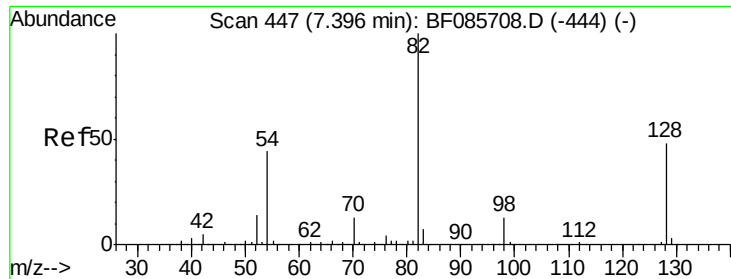
136 100

137 11.2 9.1 13.7

54 9.5 7.4 11.0

68 7.5 5.8 8.8

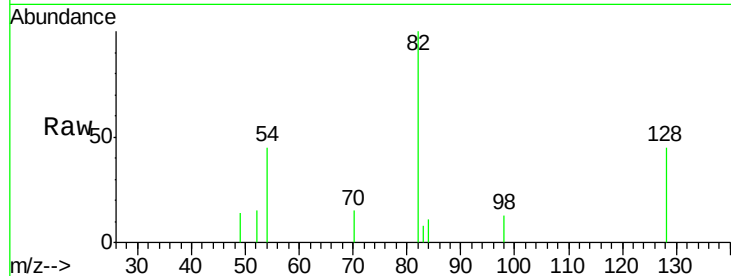




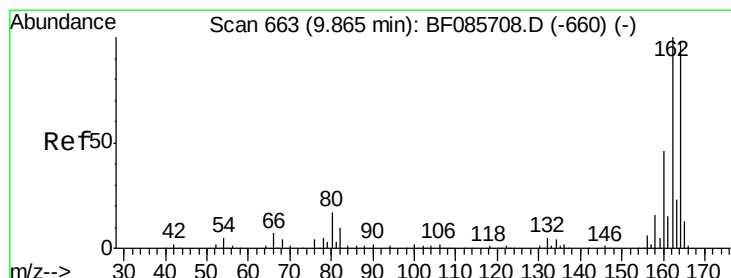
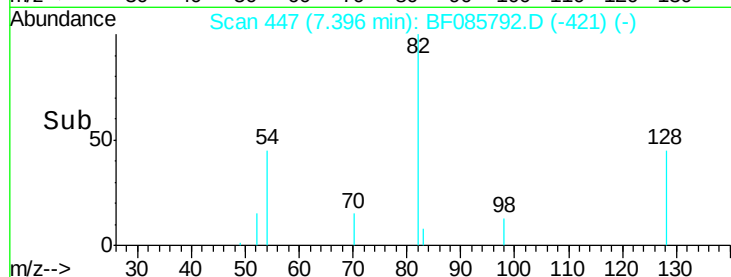
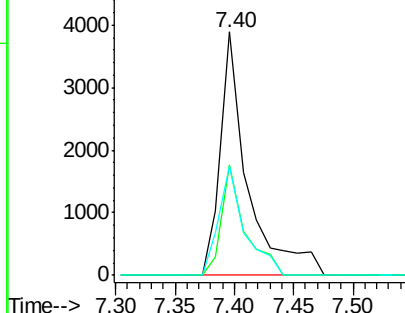
#23
 Nitrobenzene-d5
 Concen: 0.99 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampled :
 SB-1A

Tgt Ion: 82 Resp: 6172
 Ion Ratio Lower Upper
 82 100
 128 45.3 41.8 62.8
 54 45.1 33.4 50.0

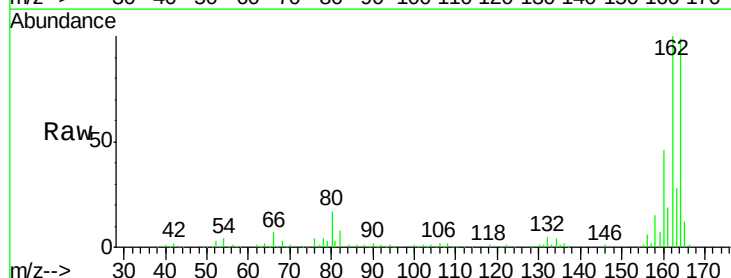


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

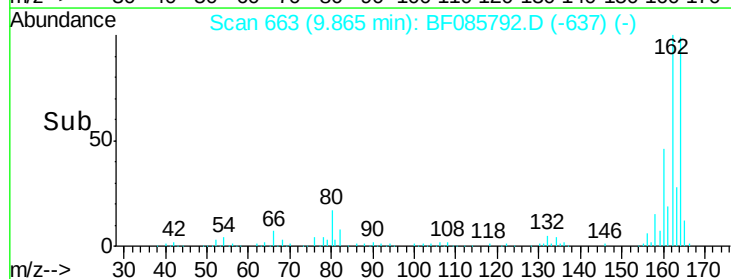
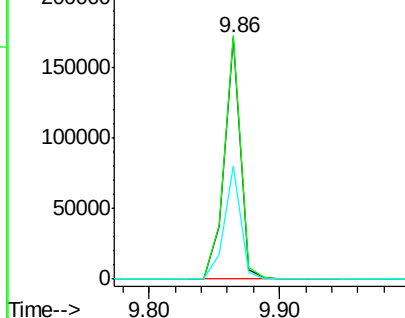


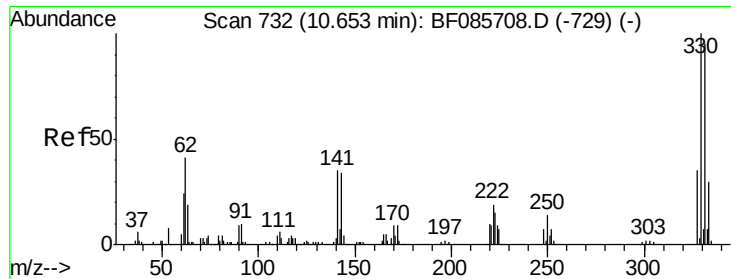
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion: 164 Resp: 148967
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.1 123.1
 160 46.9 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

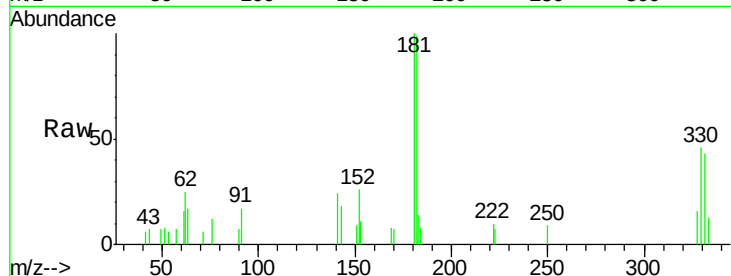




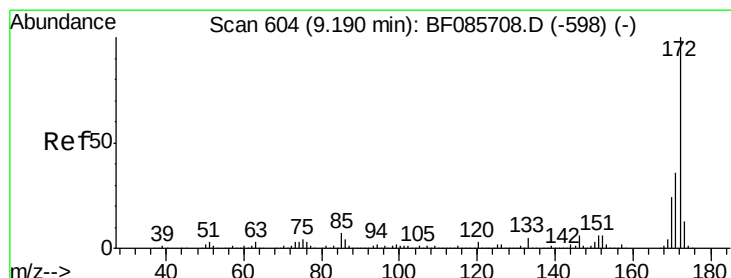
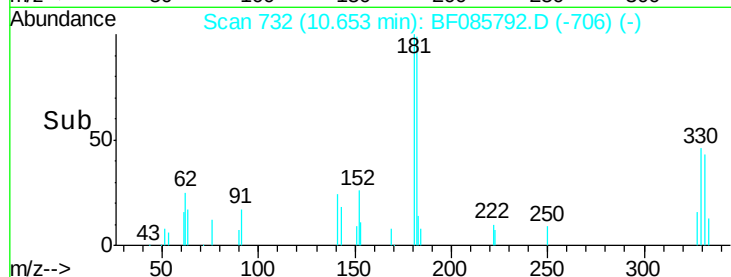
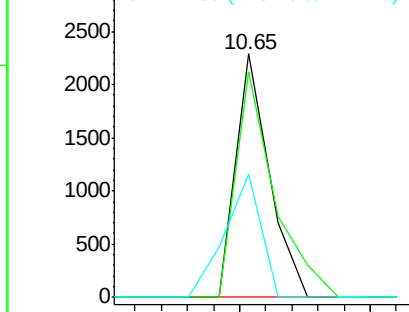
#41
 2,4,6-Tribromophenol
 Concen: 1.45 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tgt Ion:330 Resp: 2051
 Ion Ratio Lower Upper
 330 100
 332 106.4 78.2 117.2
 141 54.8 31.5 47.3#

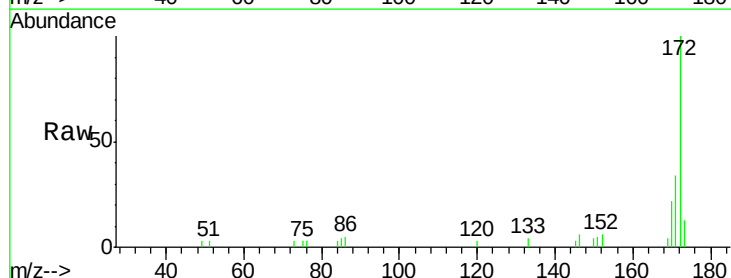


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

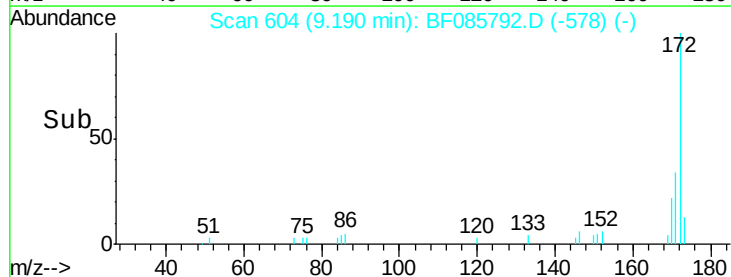
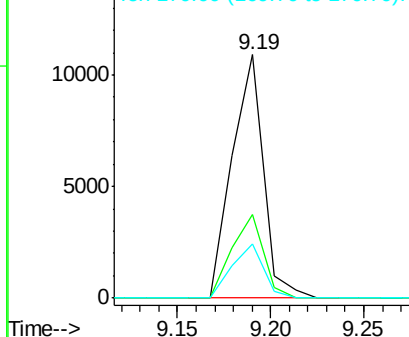


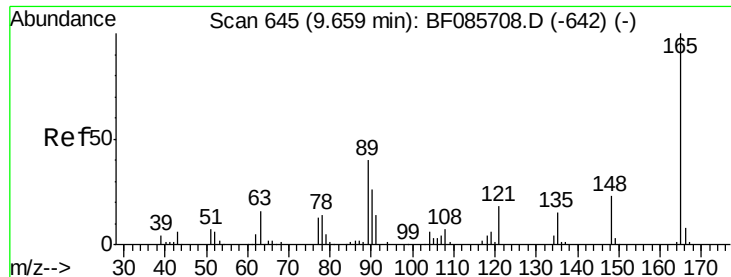
#44
 2-Fluorobiphenyl
 Concen: 1.43 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion:172 Resp: 12758
 Ion Ratio Lower Upper
 172 100
 171 34.1 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

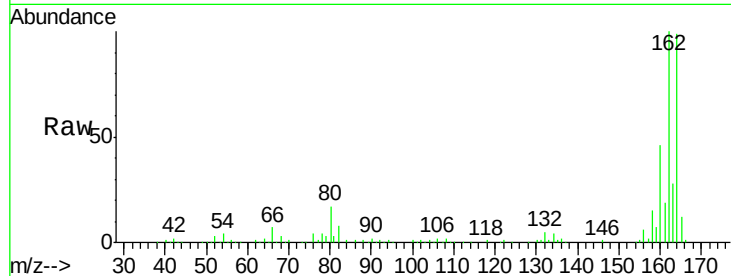




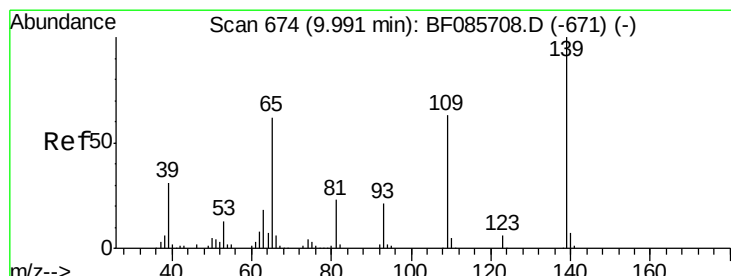
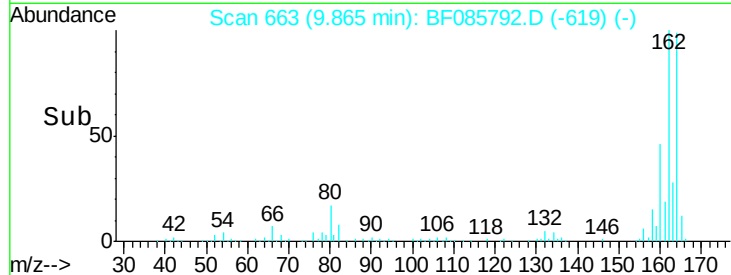
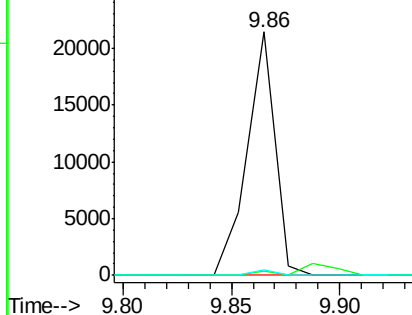
#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.21 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tgt Ion	Resp	Lower	Upper
165	19055		
63	1.7	51.8	77.8#
89	2.2	53.7	80.5#

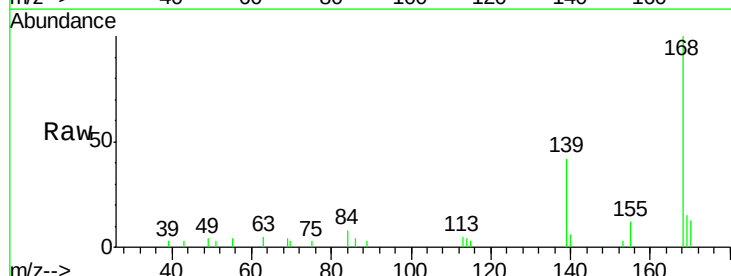


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

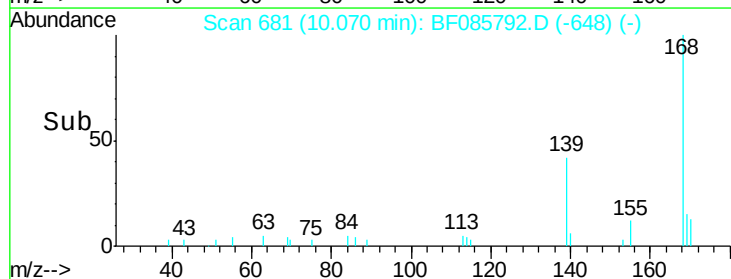
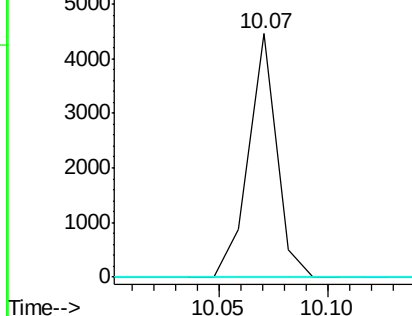


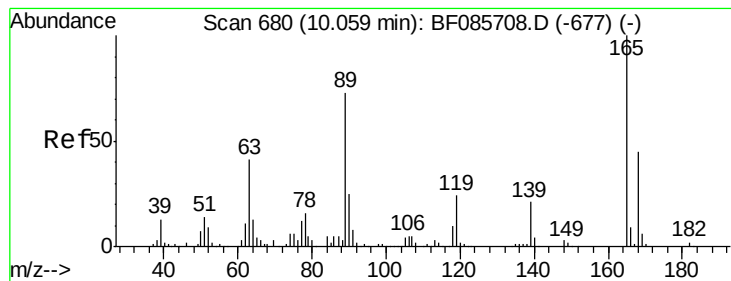
#55
 4-Nitrophenol
 Concen: 2.20 ng
 RT: 10.07 min Scan# 681
 Delta R.T. 0.08 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion	Resp	Lower	Upper
139	4000		
109	0.0	49.2	89.2#
65	0.0	66.9	106.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.16 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

Tgt Ion:165 Resp: 19055

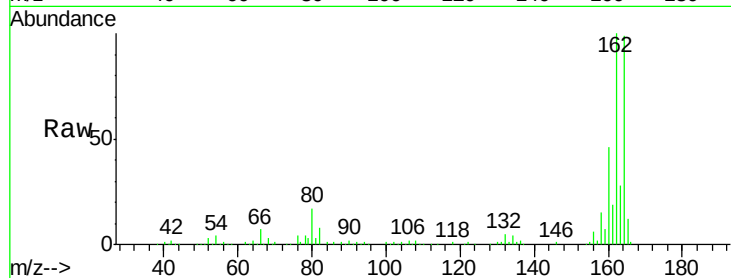
Ion Ratio Lower Upper

165 100

63 1.7 24.9 37.3#

89 2.2 41.0 61.6#

182 0.0 2.1 3.1#

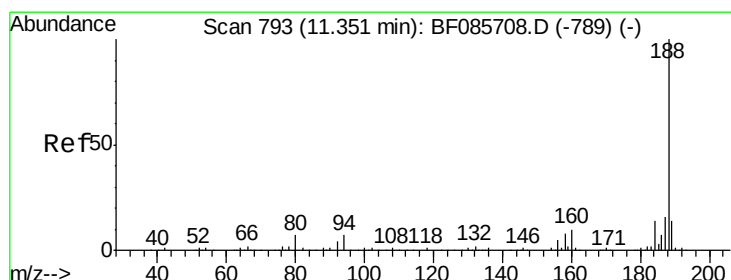
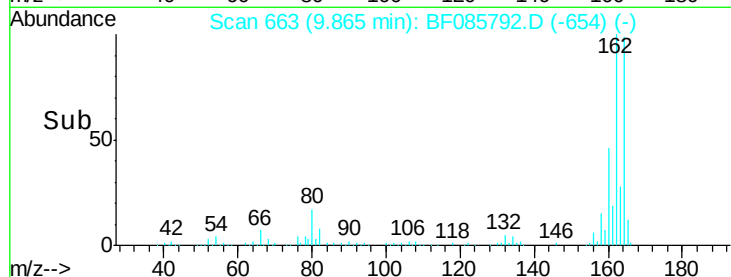
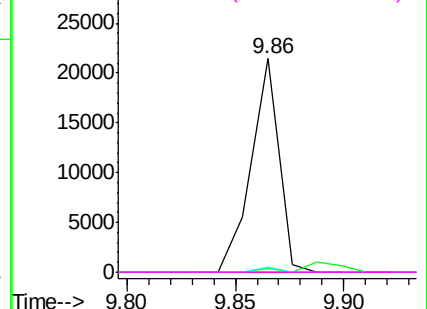


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF085792.D

Acq: 26 Mar 2016 5:45

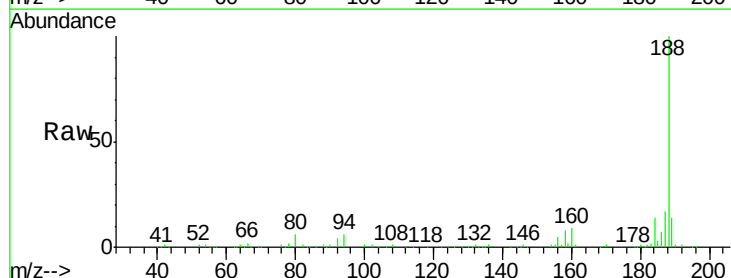
Tgt Ion:188 Resp: 247535

Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.0

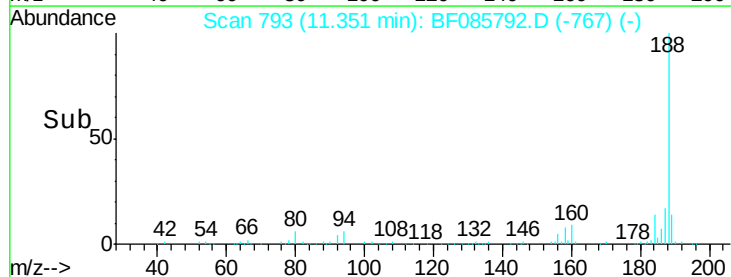
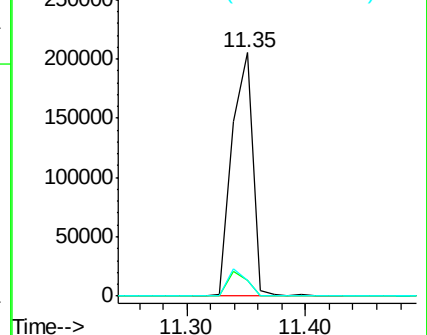
80 6.3 5.5 8.3

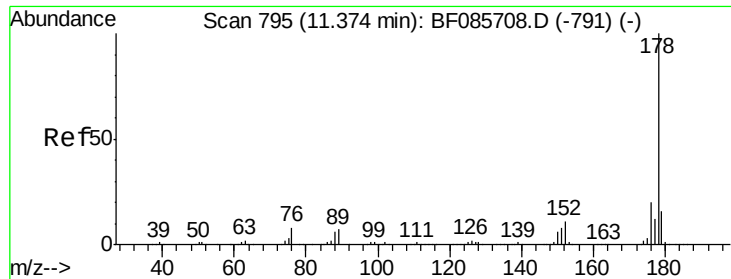


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

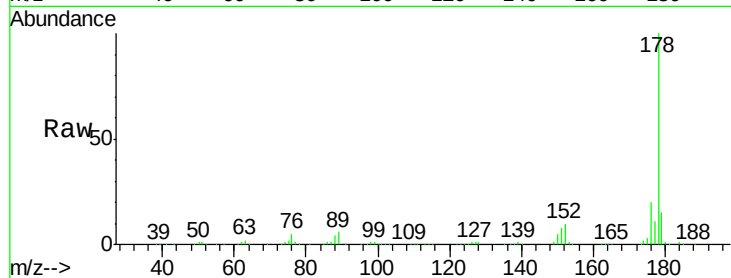




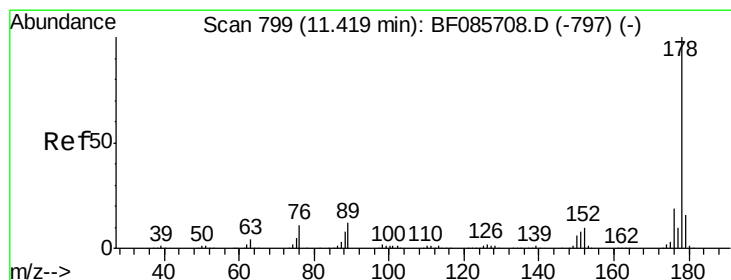
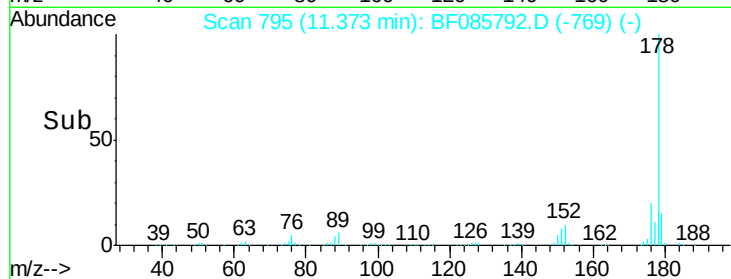
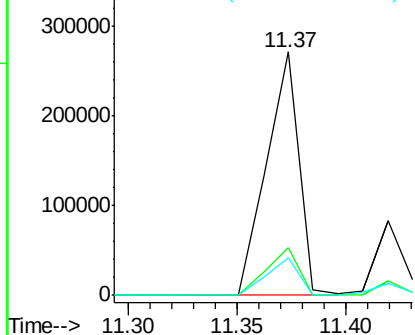
#70
 Phenanthrene
 Concen: 22.23 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tgt Ion:178 Resp: 282513
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.2 12.6 18.8

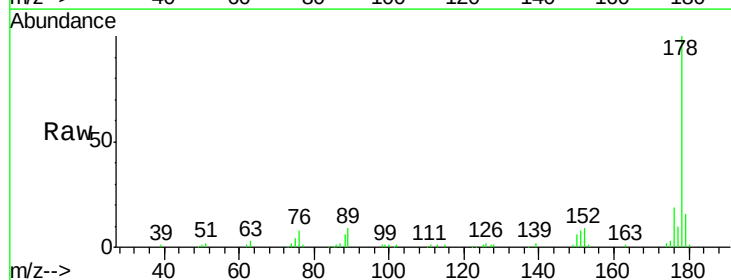


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

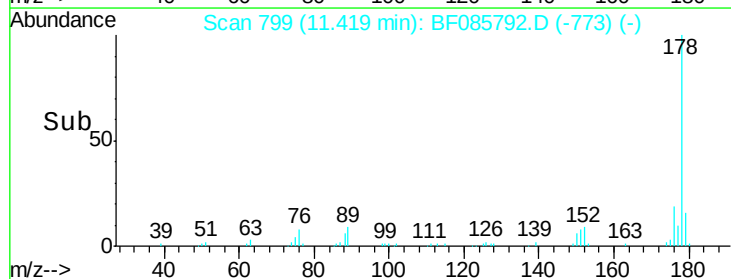
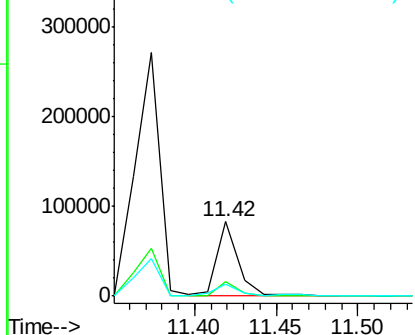


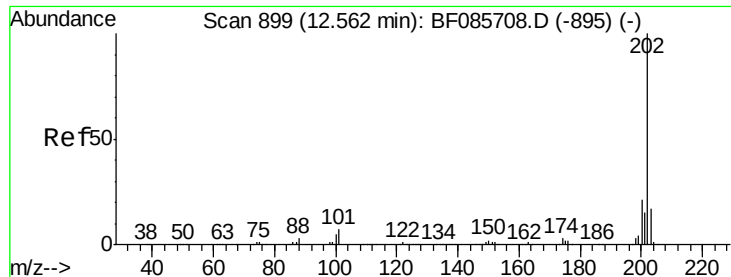
#71
 Anthracene
 Concen: 5.57 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion:178 Resp: 74316
 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: 35.93 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

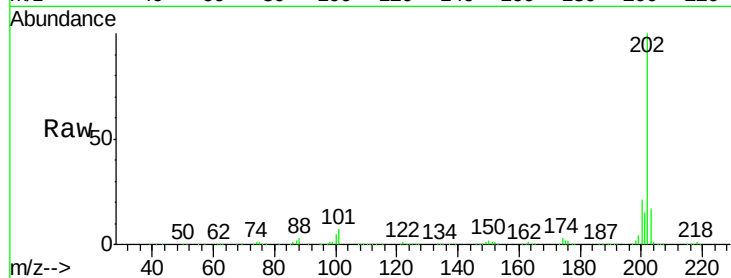
Tgt Ion: 202 Resp: 485457

Ion Ratio Lower Upper

202 100

101 7.0 0.0 36.6

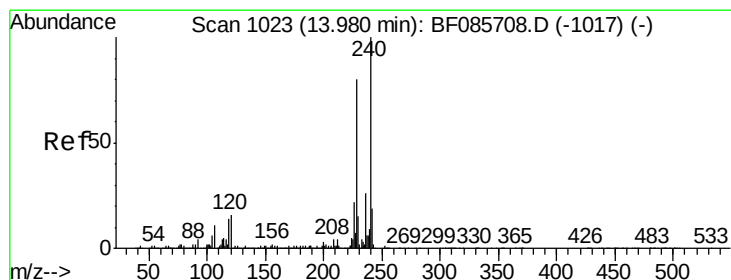
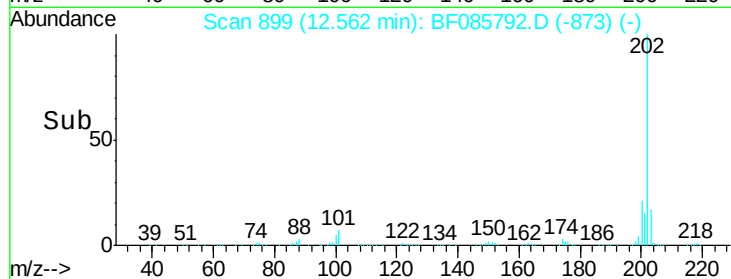
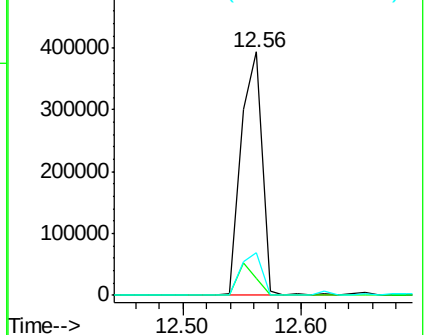
203 17.4 0.0 38.1



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: BF085792.D

Acq: 26 Mar 2016 5:45

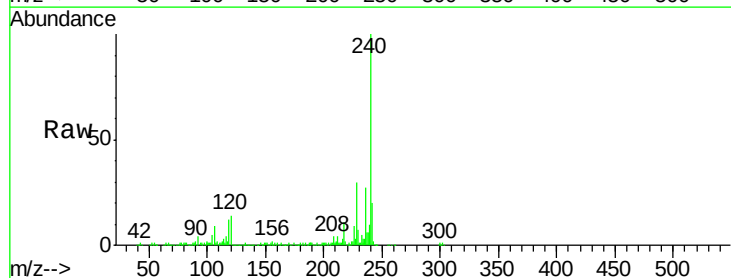
Tgt Ion: 240 Resp: 222271

Ion Ratio Lower Upper

240 100

120 14.1 13.8 20.8

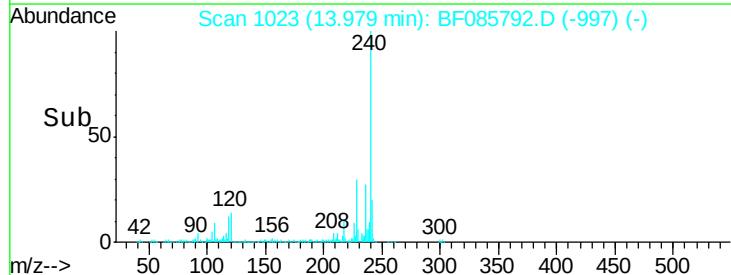
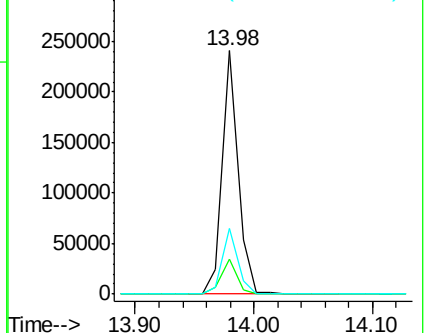
236 26.9 20.6 30.8

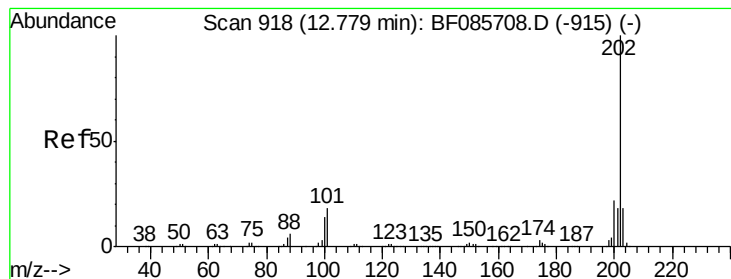


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 22.26 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

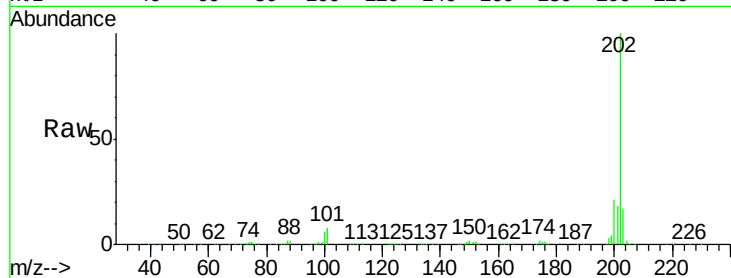
Tgt Ion: 202 Resp: 406649

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

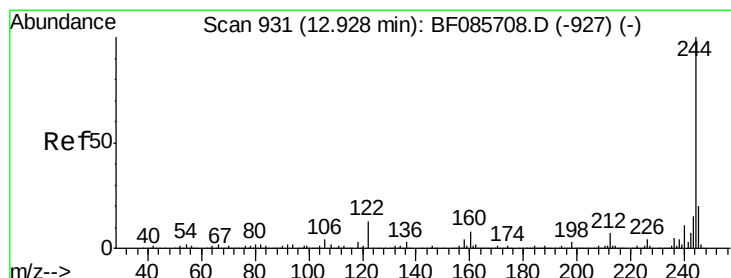
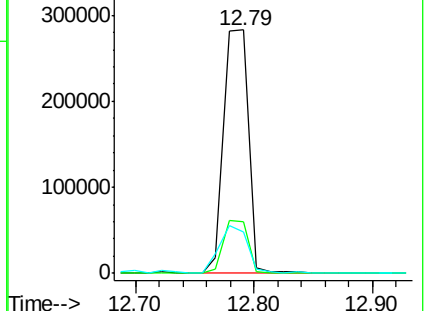
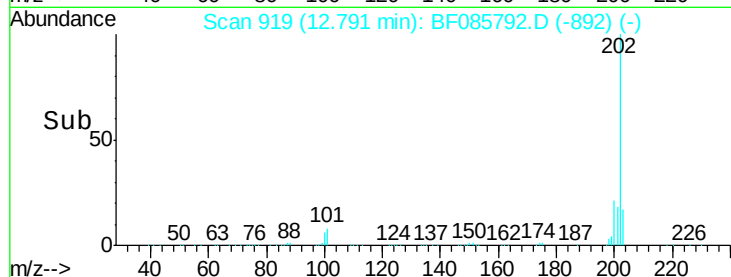
203 16.9 14.0 21.0



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: 1.08 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

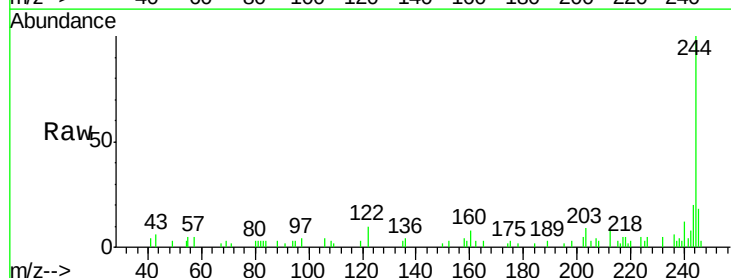
Tgt Ion: 244 Resp: 11675

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

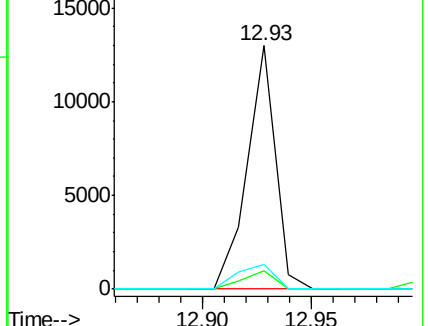
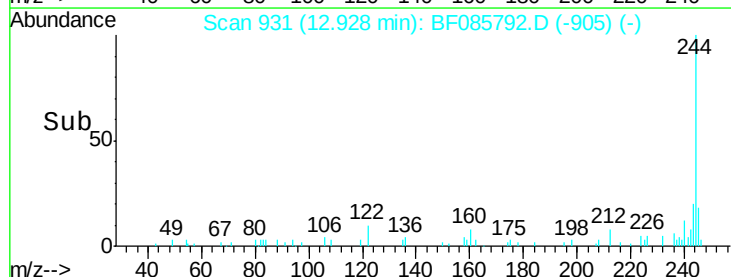
122 10.2 10.2 15.4#

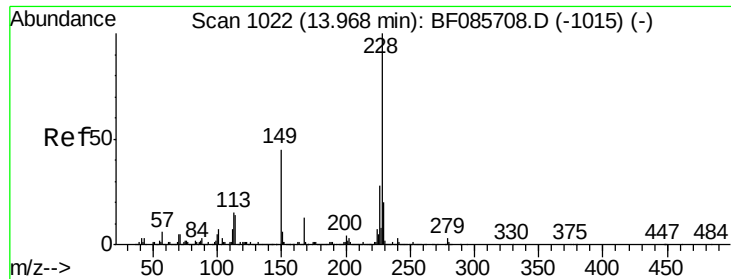


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.61 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampled :

SB-1A

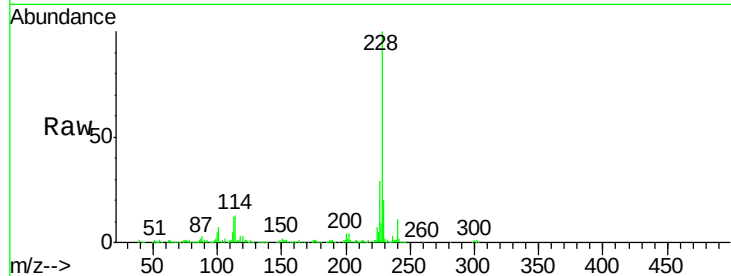
Tgt Ion:228 Resp: 248484

Ion Ratio Lower Upper

228 100

226 28.8 22.1 33.1

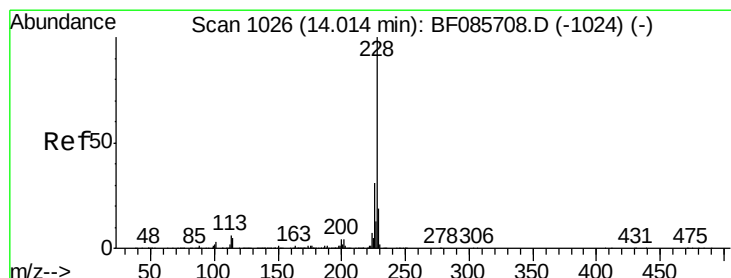
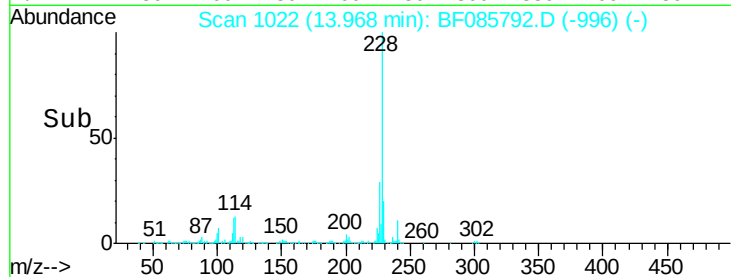
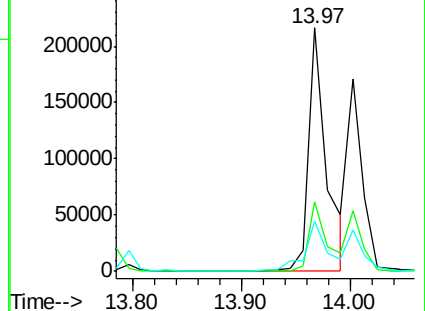
229 20.5 16.2 24.4



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: 12.93 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

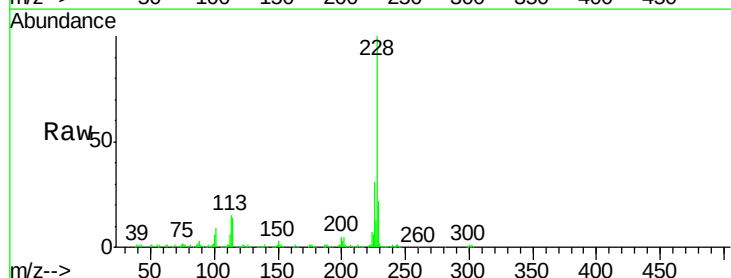
Tgt Ion:228 Resp: 165032

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

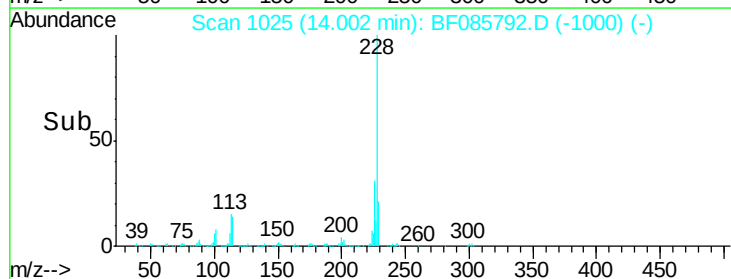
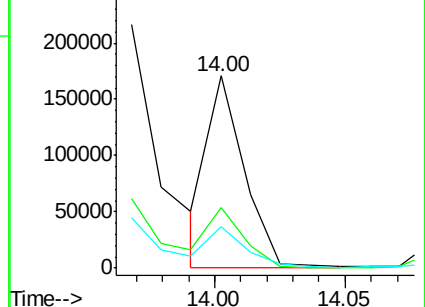
229 21.8 15.7 23.5

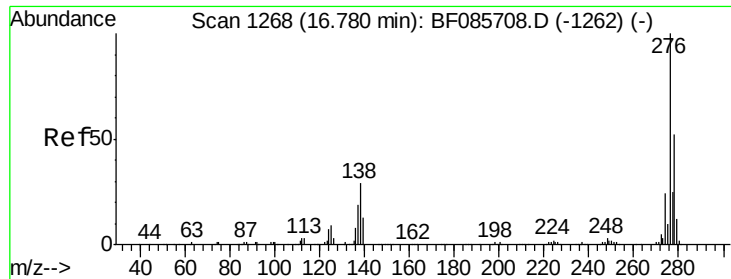


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

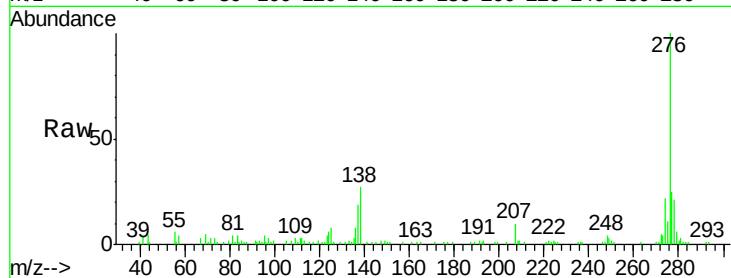




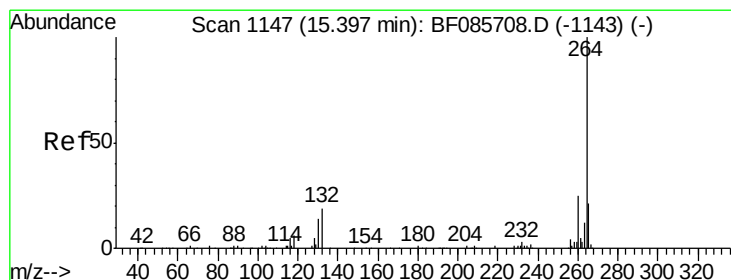
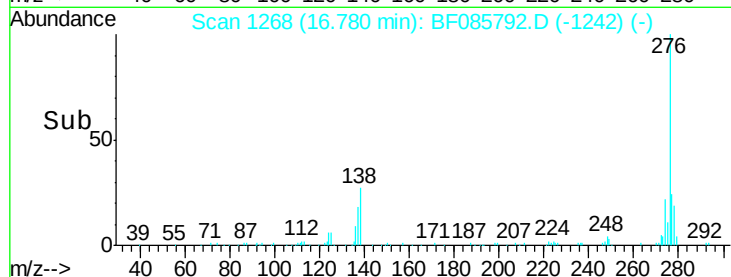
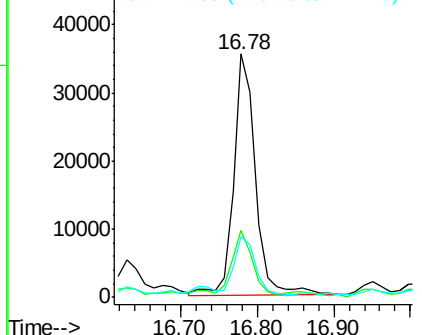
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.20 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampled :
 SB-1A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	24.2	36.4
277	26.8	20.0	30.0

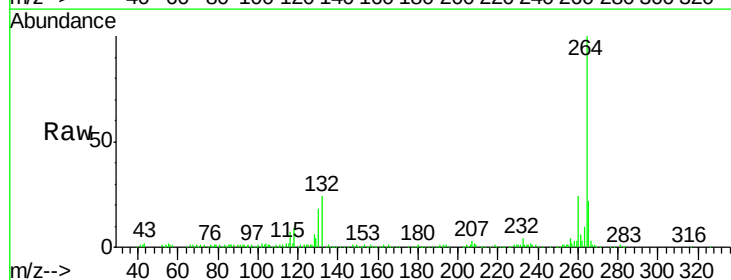


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

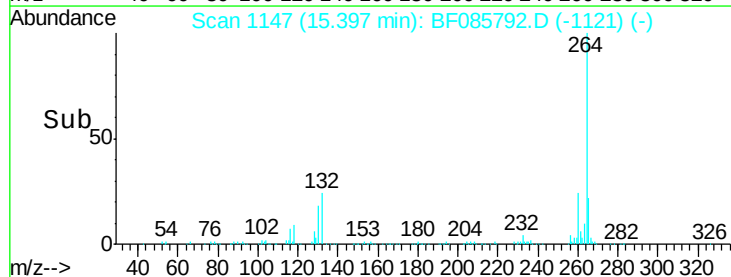
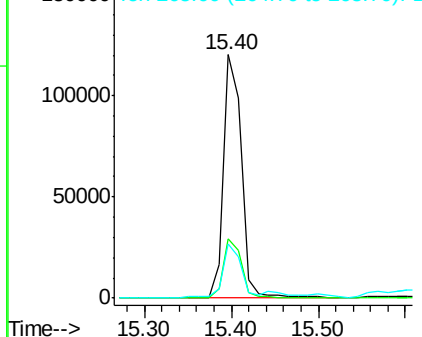


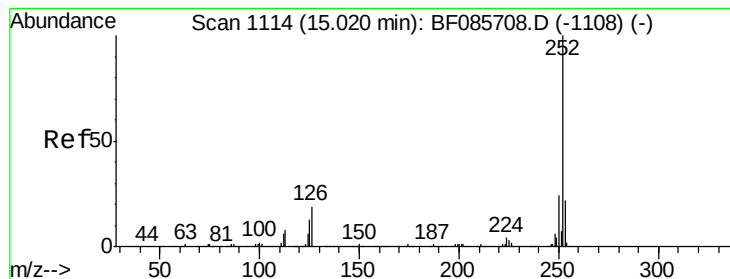
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.3	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: 25.75 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

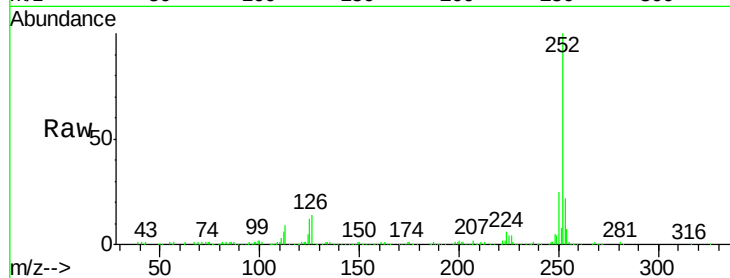
Instrument :

BNA_F

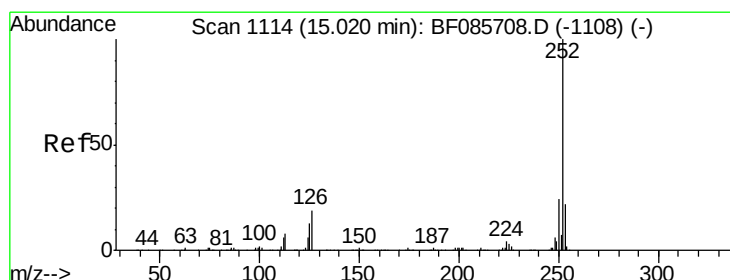
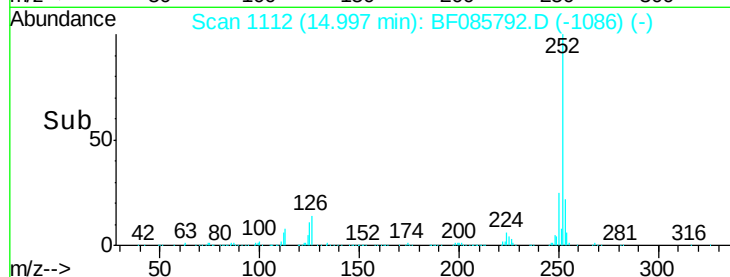
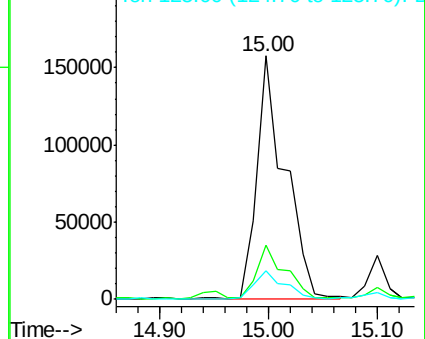
ClientSampleId :

SB-1A

Tgt Ion:	252	Resp:	281899
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.7	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: 28.57 ng

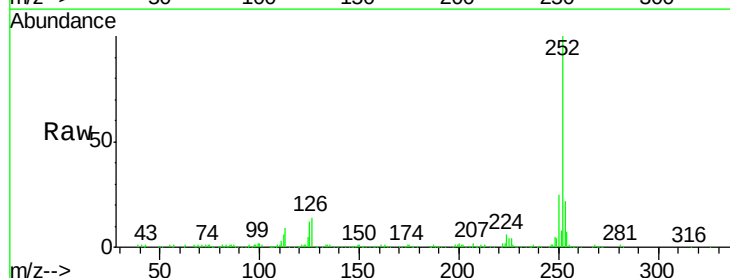
RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

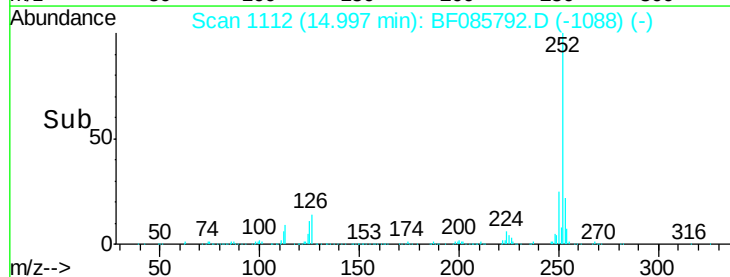
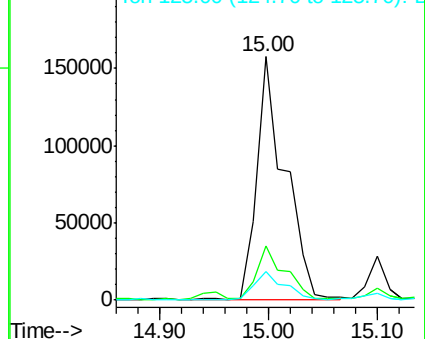
Lab File: BF085792.D

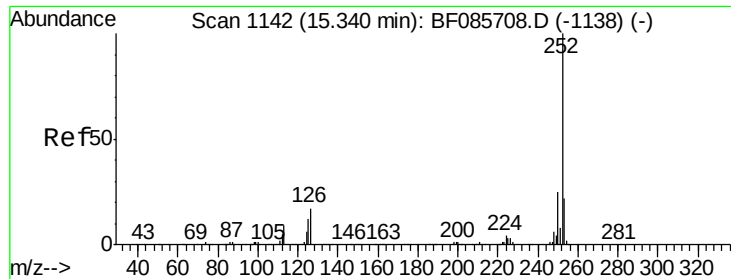
Acq: 26 Mar 2016 5:45

Tgt Ion:	252	Resp:	281899
Ion	Ratio	Lower	Upper
252	100		
253	22.3	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: 14.00 ng

RT: 15.34 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

ClientSampleId :

SB-1A

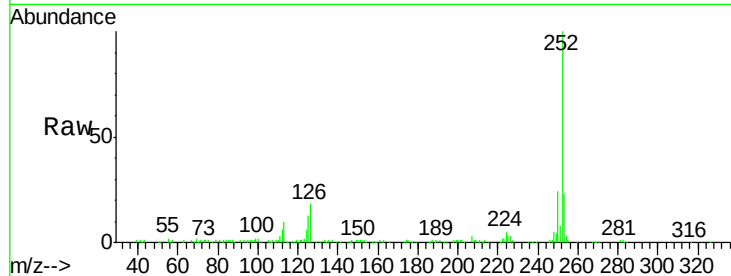
Tgt Ion:252 Resp: 136070

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

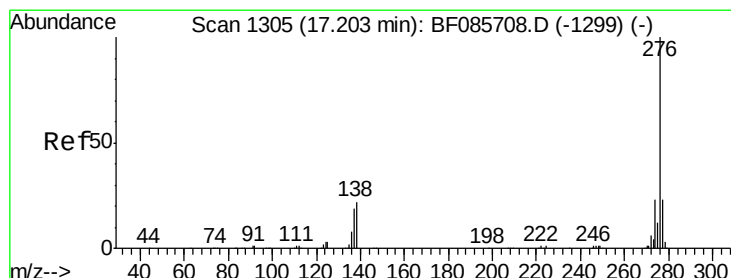
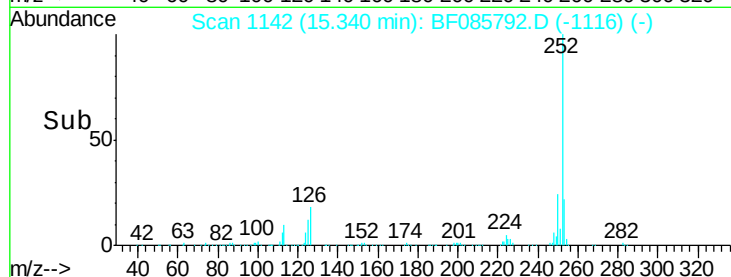
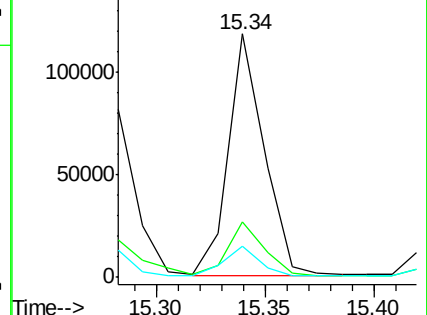
125 12.7 10.3 15.5



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: 6.86 ng

RT: 17.20 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

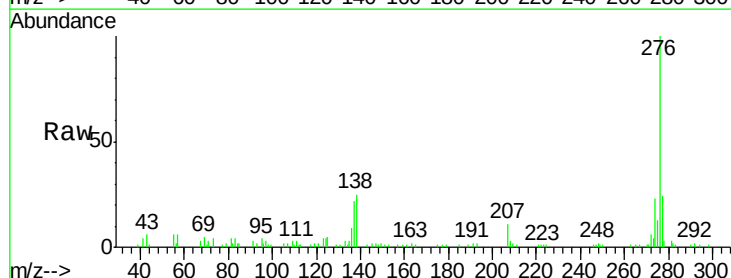
Tgt Ion:276 Resp: 62738

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 24.8 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

