

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088012.D
 Acq On : 14 Jun 2016 21:56
 Operator : UM/SJ
 Sample : H3474-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

Quant Time: Jun 15 03:57:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

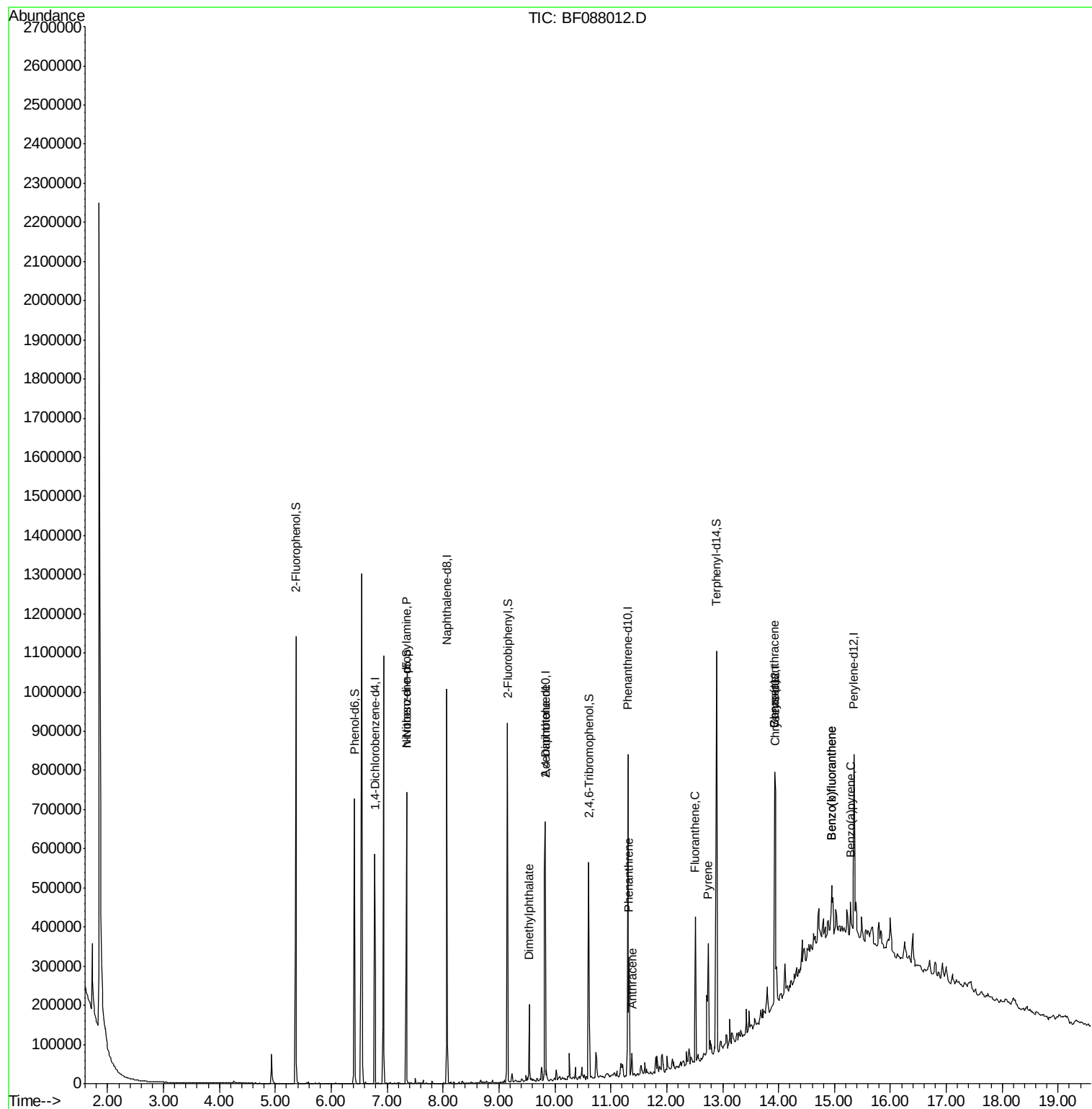
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	104234	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	423246	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	178725	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	282423	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	253805	20.00	ng	-0.01
86) Perylene-d12	15.35	264	206505	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	337156	55.30	ng	-0.01
7) Phenol-d6	6.42	99	413044	55.90	ng	-0.01
23) Nitrobenzene-d5	7.35	82	254775	35.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	58553	31.03	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	450960	36.48	ng	-0.01
78) Terphenyl-d14	12.89	244	336656	30.18	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	2500	Below Cal		Qvalue 92
19) n-Nitroso-di-n-propylamine	7.35	70	32098	6.79 ng	#	70
45) 1,1'-Biphenyl	9.24	154	1033	Below Cal		87
49) Dimethylphthalate	9.54	163	70203	5.42 ng		100
56) 2,4-Dinitrotoluene	9.83	165	23149	6.08 ng	#	37
57) Fluorene	10.36	166	7942	Below Cal	#	96
70) Phenanthrene	11.32	178	105222	7.10 ng		99
71) Anthracene	11.38	178	31449	2.10 ng		98
74) Fluoranthene	12.51	202	142259	9.10 ng		97
77) Pyrene	12.74	202	125404	6.66 ng		98
80) Benzo(a)anthracene	13.93	228	110454	7.64 ng		98
82) Chrysene	13.93	228	110454	8.12 ng		95
87) Benzo(b)fluoranthene	14.95	252	78787	5.47 ng	#	85
88) Benzo(k)fluoranthene	14.95	252	78787	7.26 ng	#	90
89) Benzo(a)pyrene	15.29	252	40549	3.48 ng	#	91

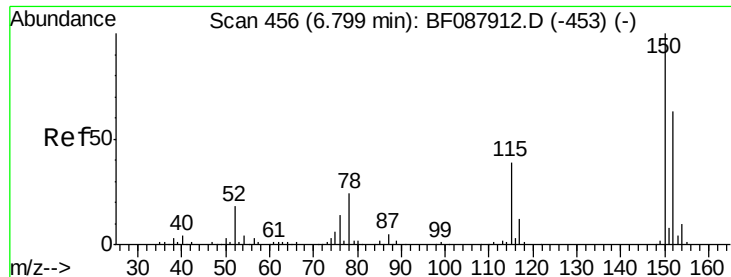
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C

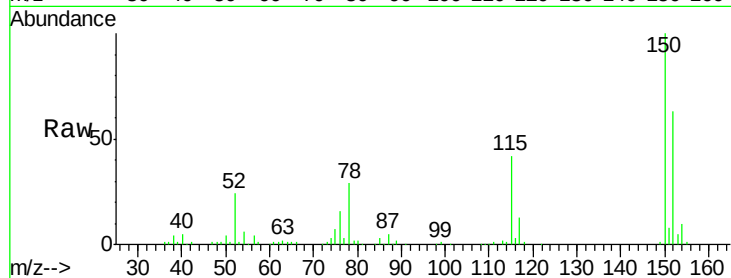
Tgt Ion:152 Resp: 104234

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

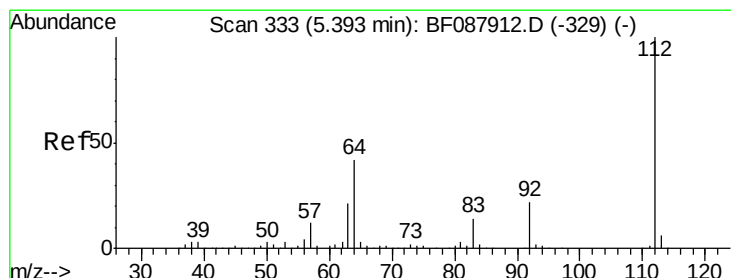
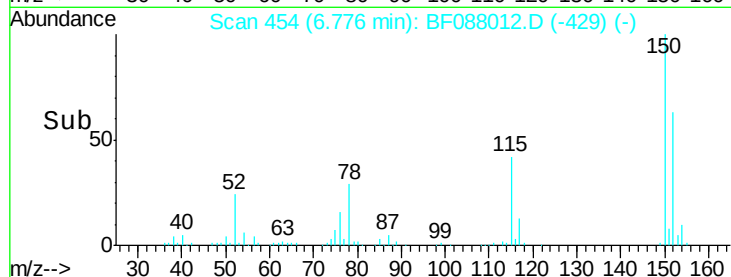
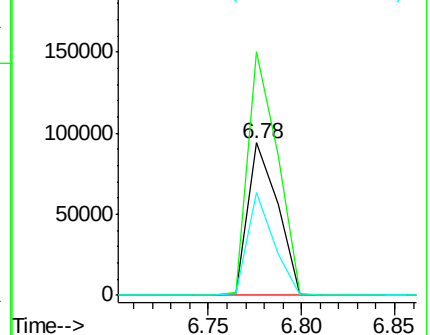
115 67.9 39.6 59.4#



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: 55.30 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

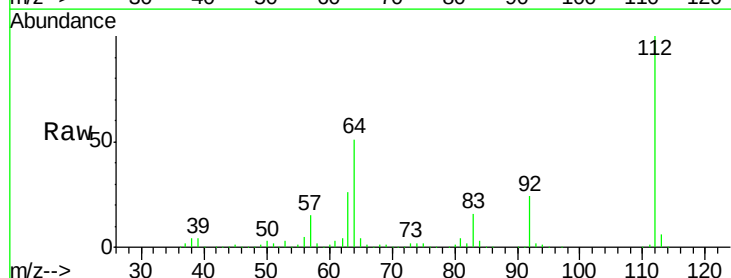
Tgt Ion:112 Resp: 337156

Ion Ratio Lower Upper

112 100

64 51.2 42.2 63.2

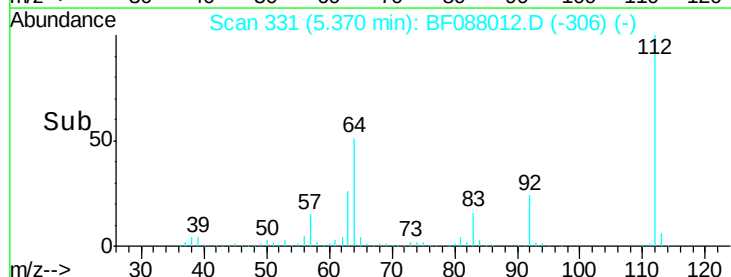
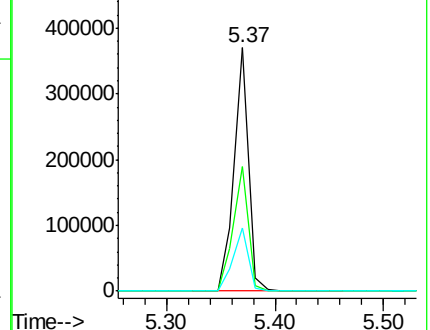
63 25.7 21.8 32.8

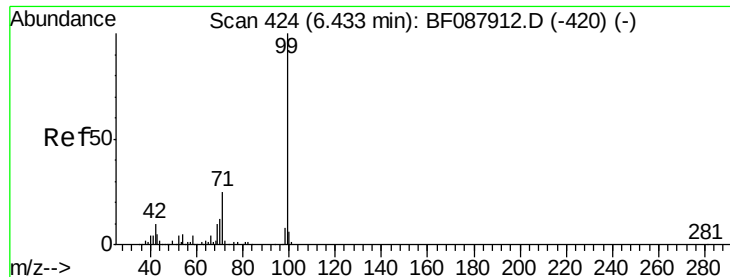


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.90 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C

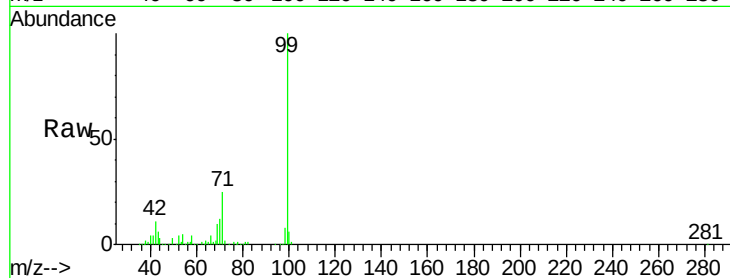
Tgt Ion: 99 Resp: 413044

Ion Ratio Lower Upper

99 100

42 10.7 12.2 18.2#

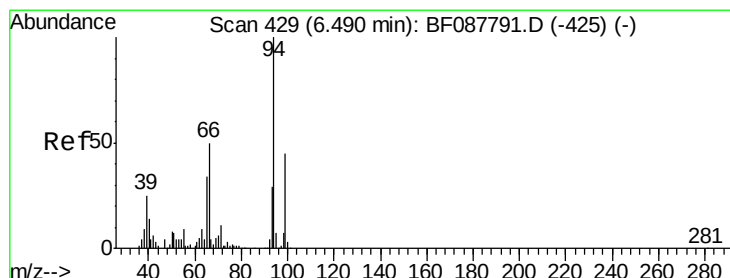
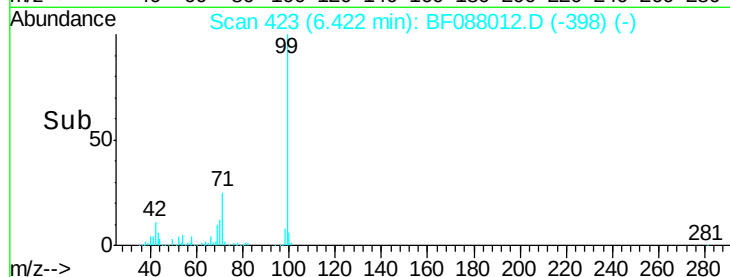
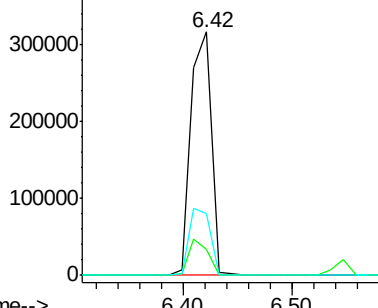
71 25.5 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

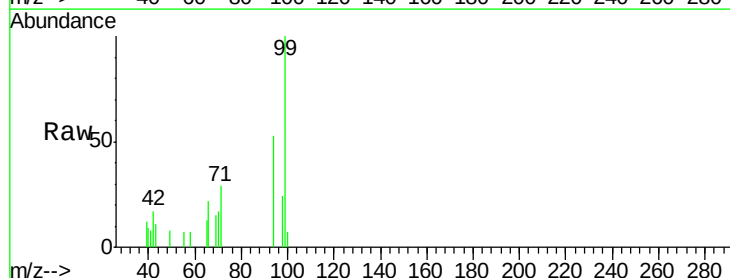
Tgt Ion: 94 Resp: 2500

Ion Ratio Lower Upper

94 100

65 24.6 5.9 45.9

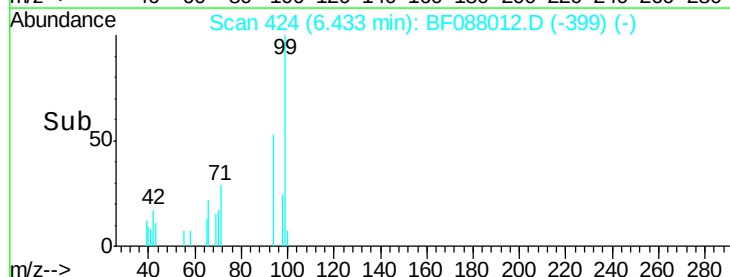
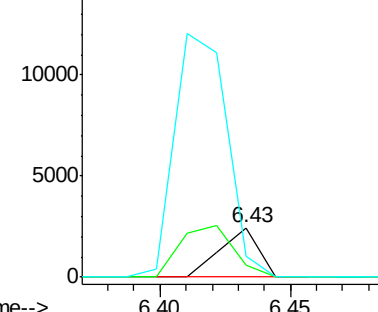
66 41.4 14.0 54.0

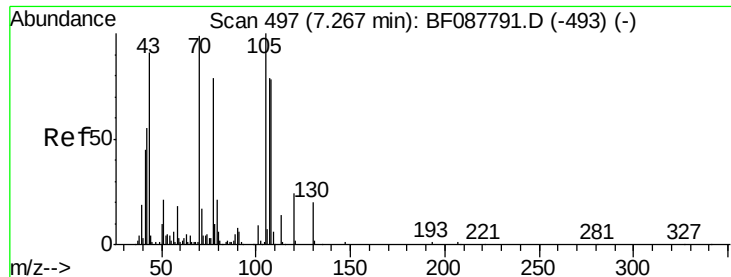


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

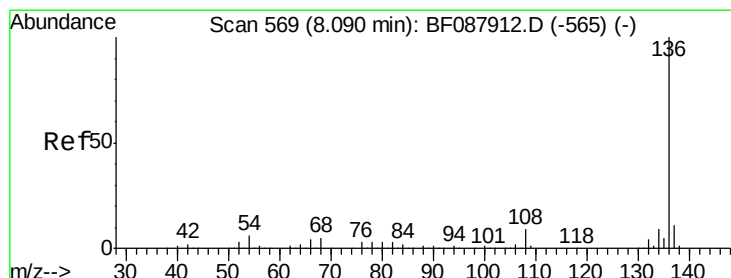
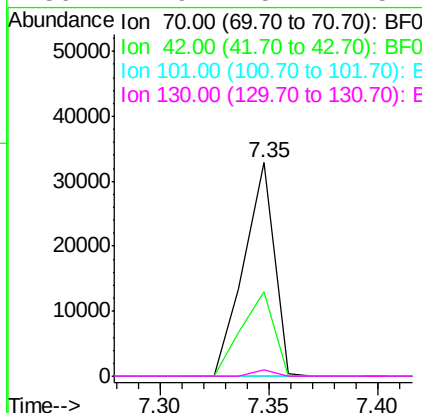
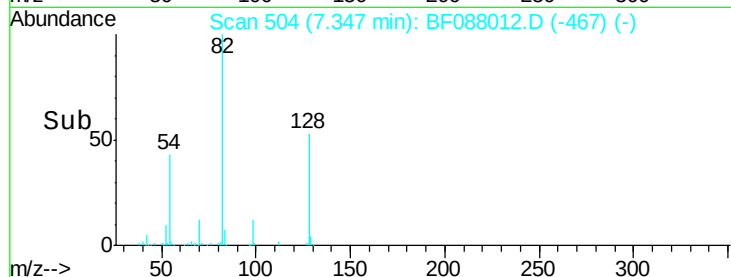
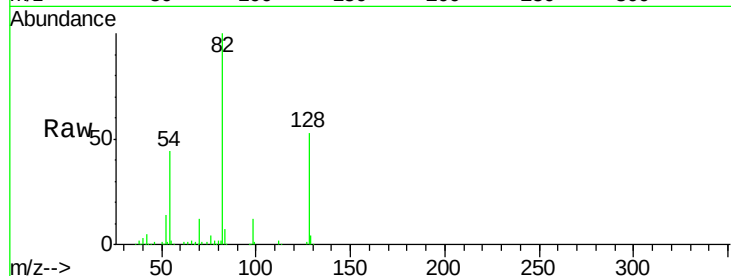




#19
n-Nitroso-di-n-propylamine
Concen: 6.79 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

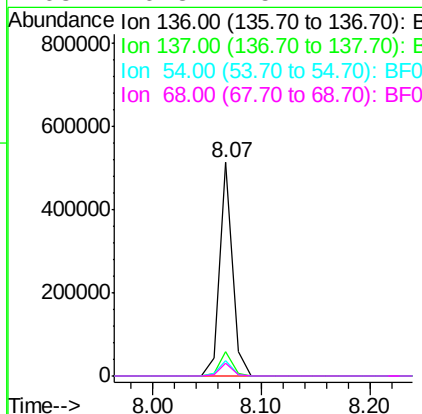
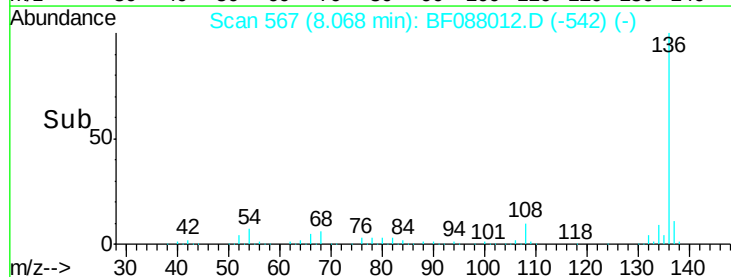
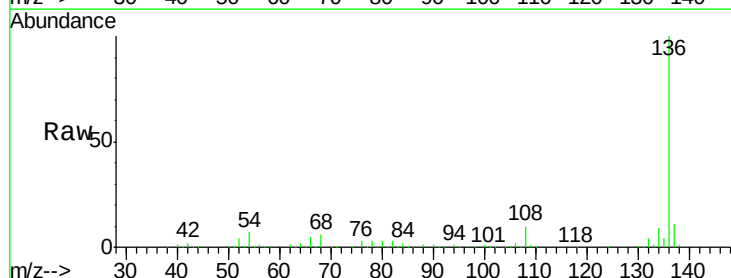
Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

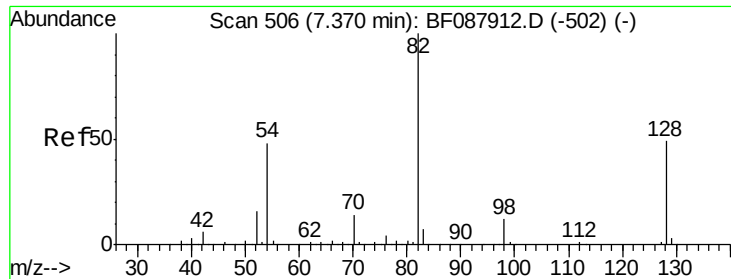
Tgt Ion: 70 Resp: 32098
Ion Ratio Lower Upper
70 100
42 39.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion: 136 Resp: 423246
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.4 6.6 10.0
68 6.3 5.1 7.7

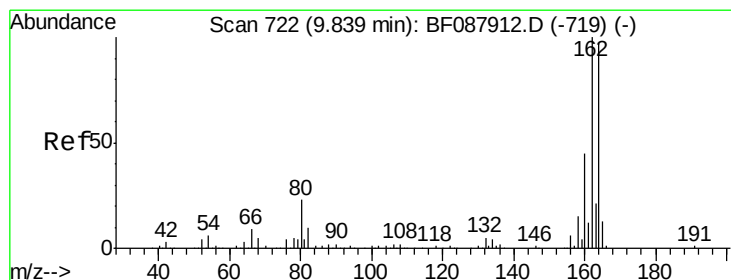
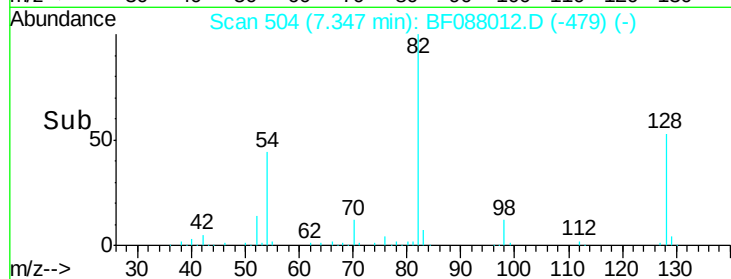
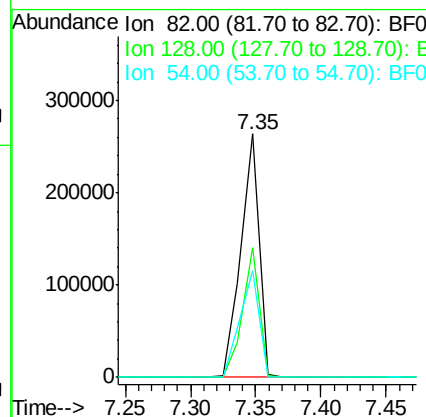
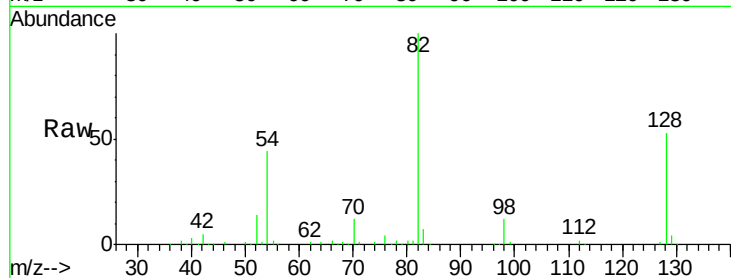




#23
 Nitrobenzene-d5
 Concen: 35.15 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

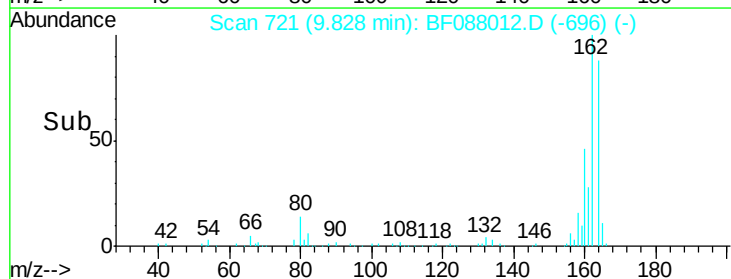
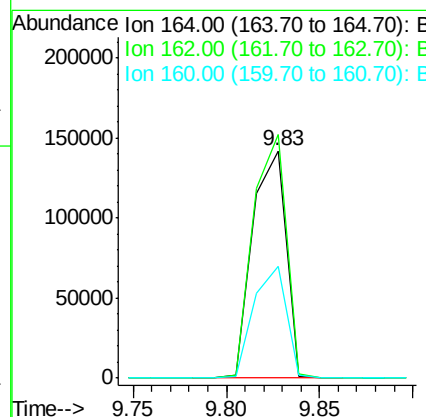
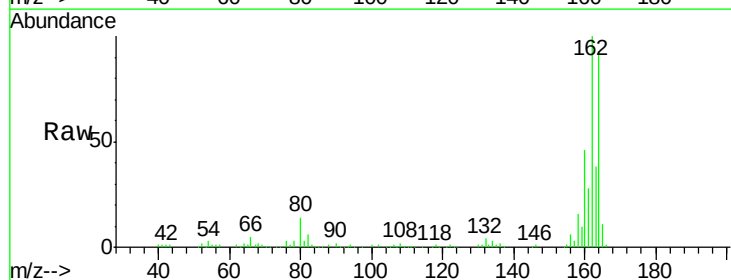
Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

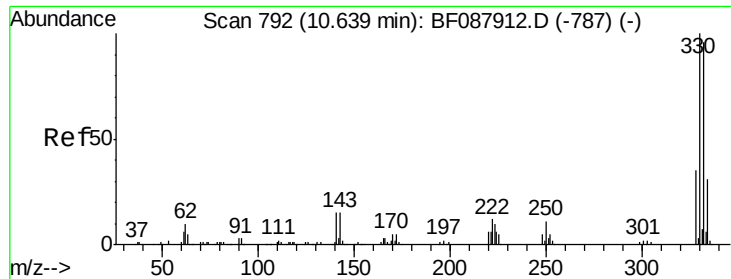
Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.0	35.9	53.9
54	43.6	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	85.4	128.2
160	49.4	39.5	59.3

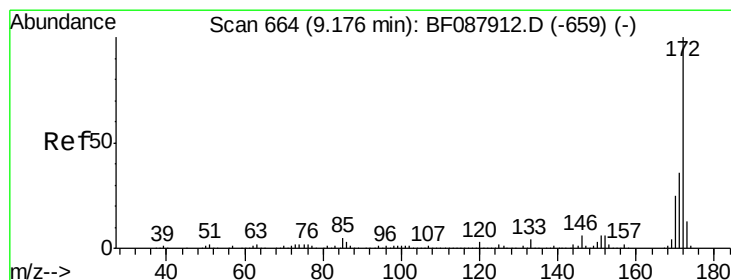
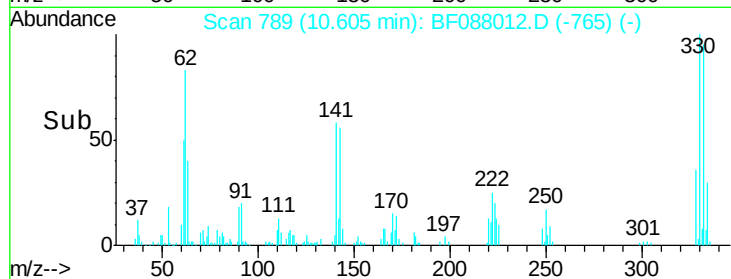
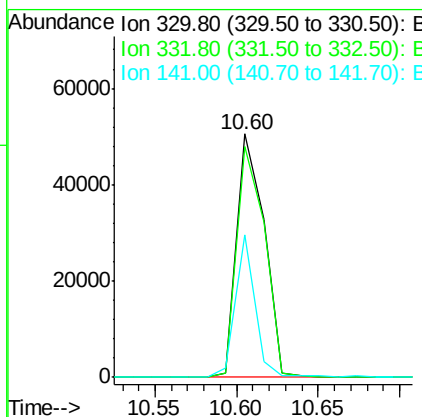
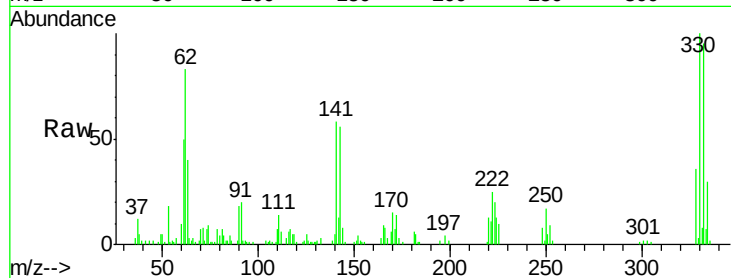




#41
 2,4,6-Tribromophenol
 Concen: 31.03 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

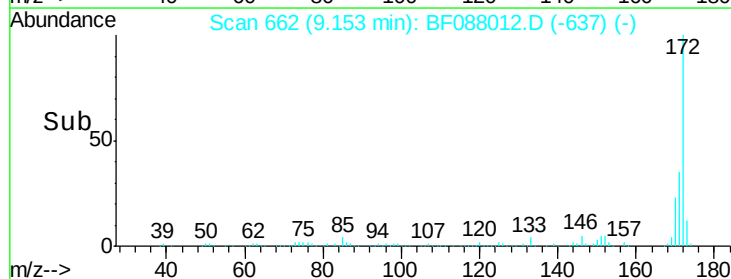
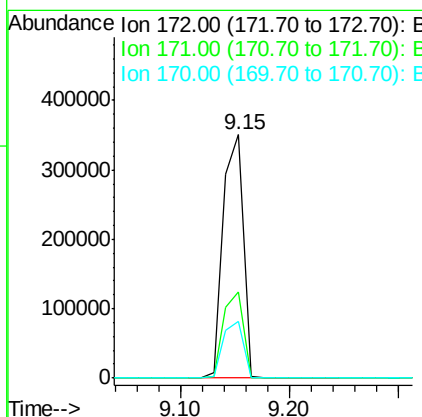
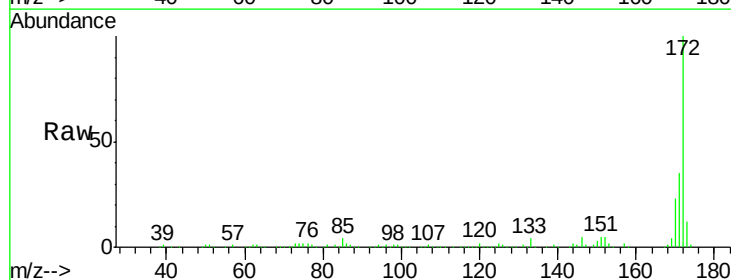
Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

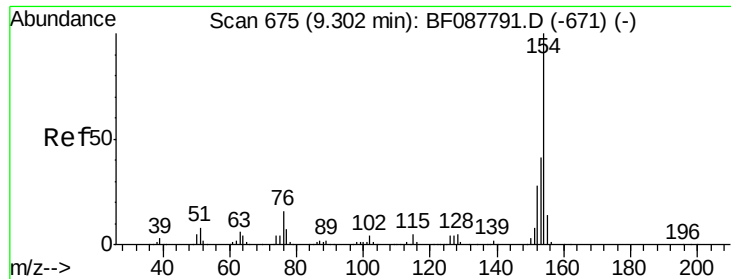
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	42.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 36.48 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.1	19.2	28.8

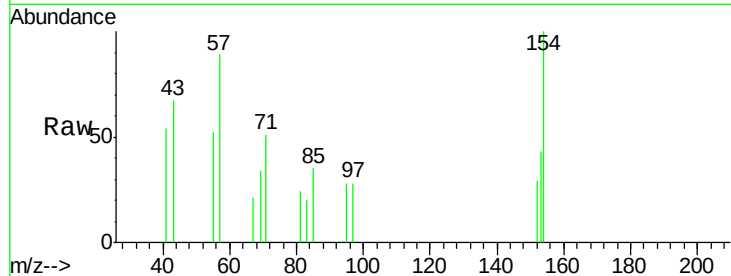




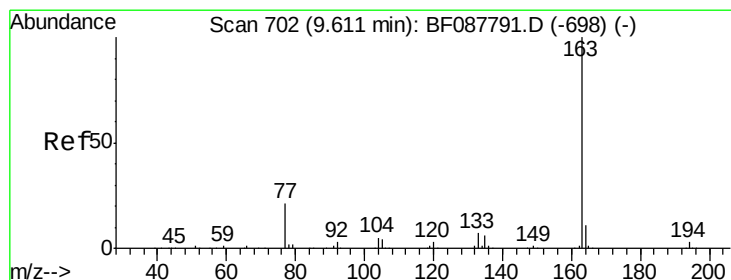
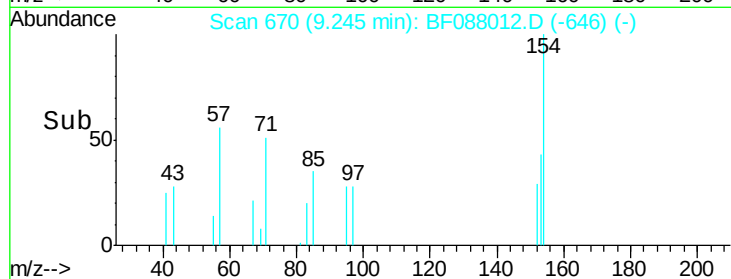
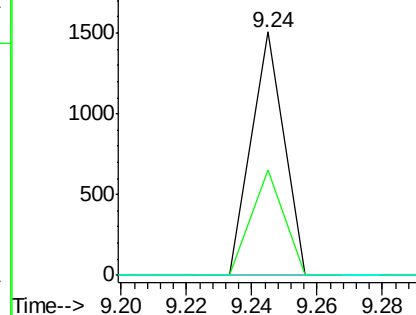
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

Tgt Ion:154 Resp: 1033
Ion Ratio Lower Upper
154 100
153 43.3 20.6 60.6
76 0.0 0.0 35.1

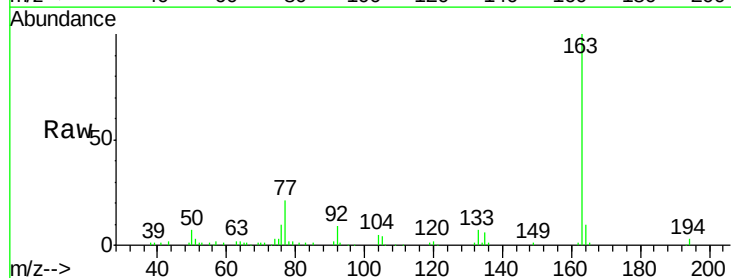


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

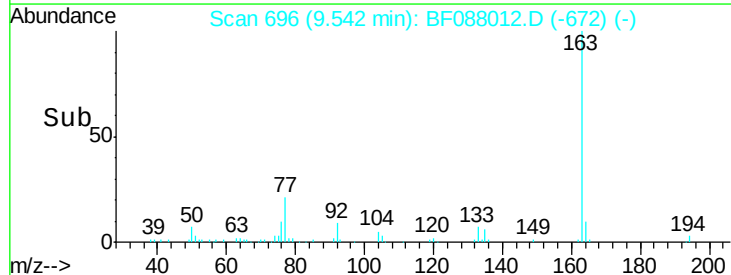
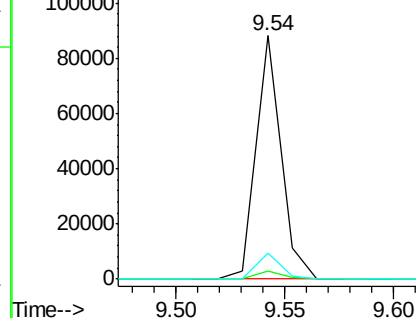


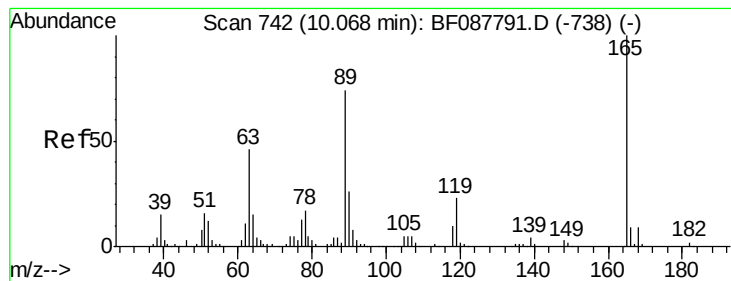
#49
Dimethylphthalate
Concen: 5.42 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion:163 Resp: 70203
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
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: 6.08 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C

Tgt Ion:165 Resp: 23149

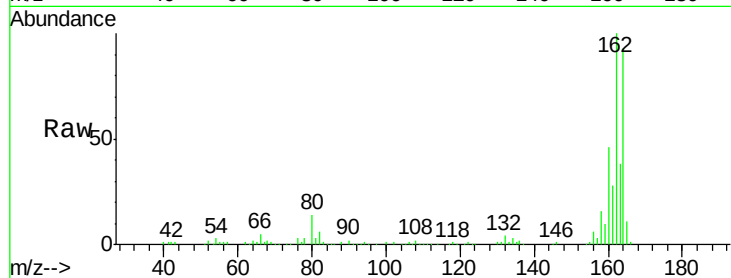
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

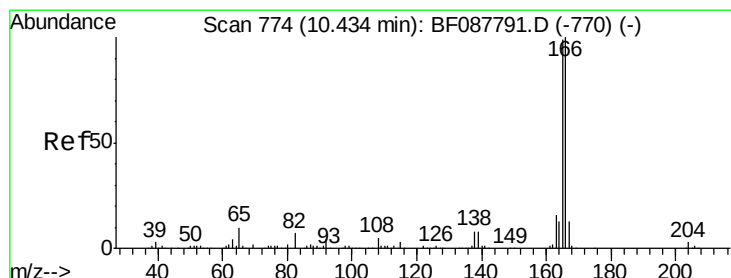
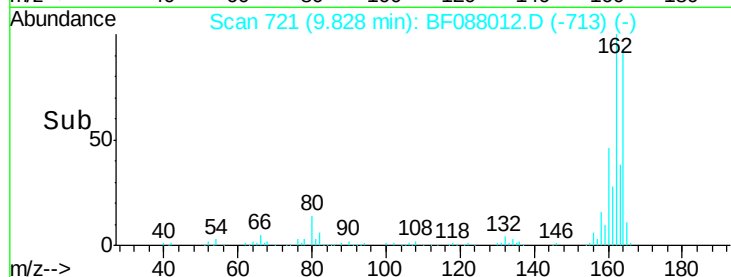
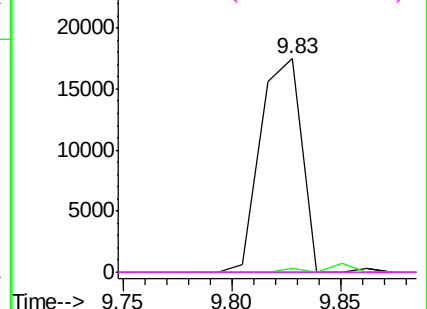


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

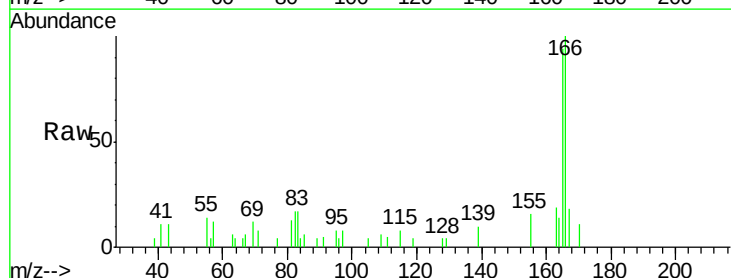
Tgt Ion:166 Resp: 7942

Ion Ratio Lower Upper

166 100

165 94.4 77.8 116.8

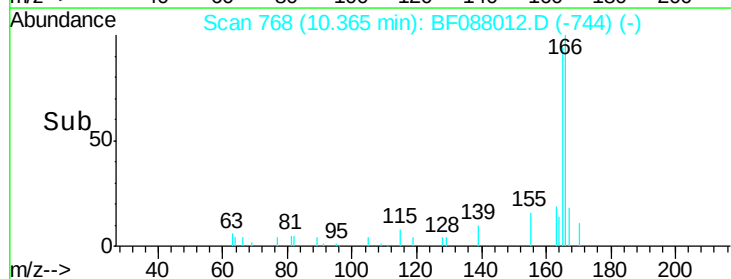
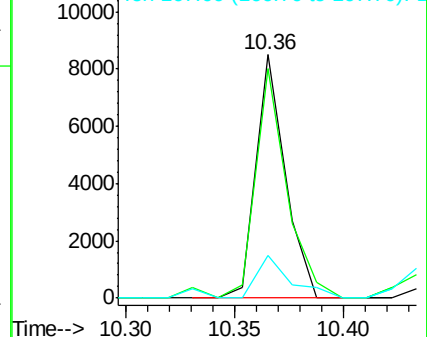
167 17.6 11.2 16.8#

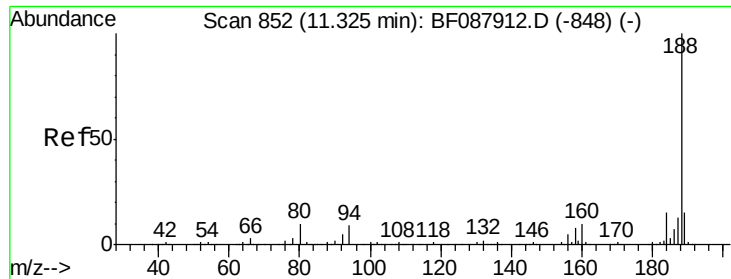


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

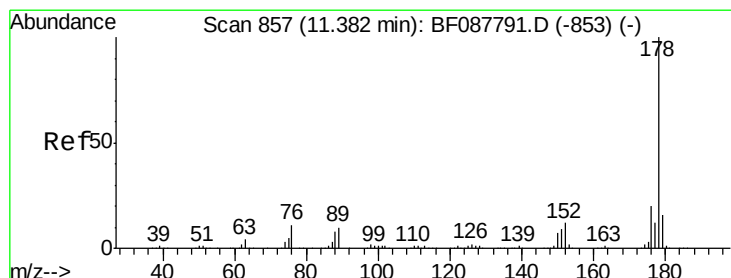
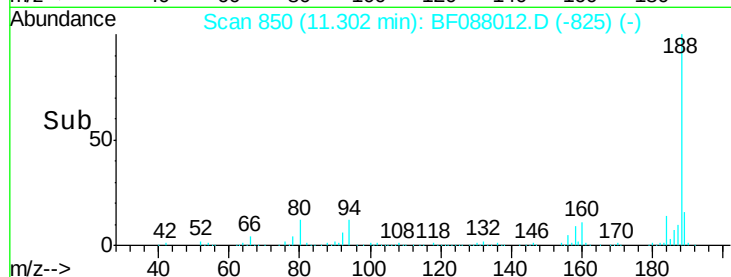
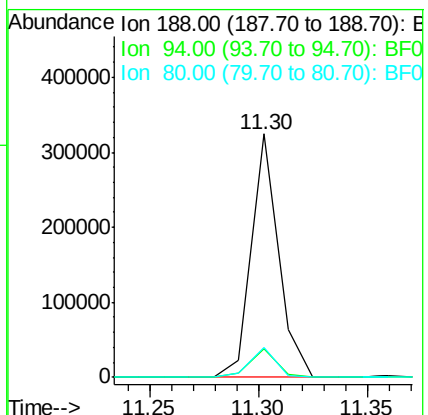
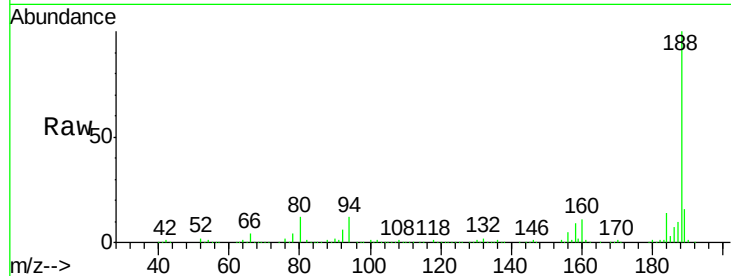




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

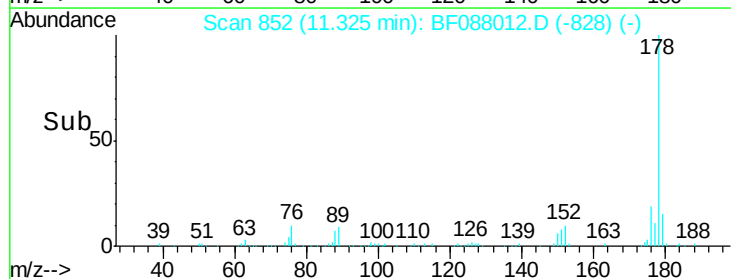
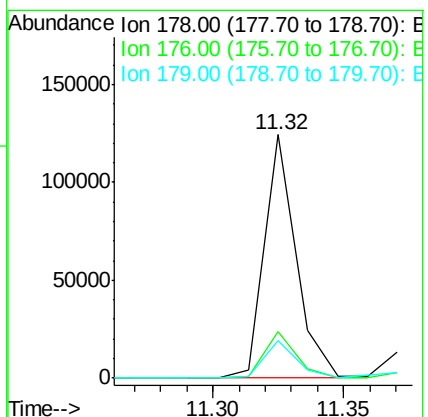
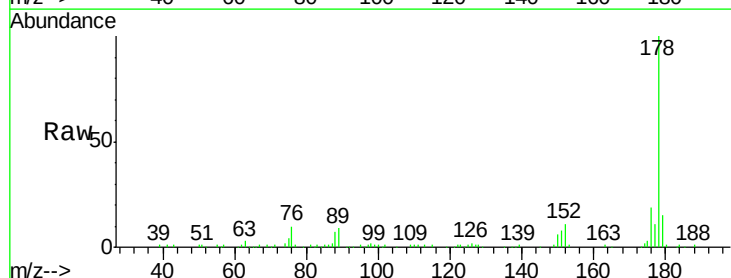
Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

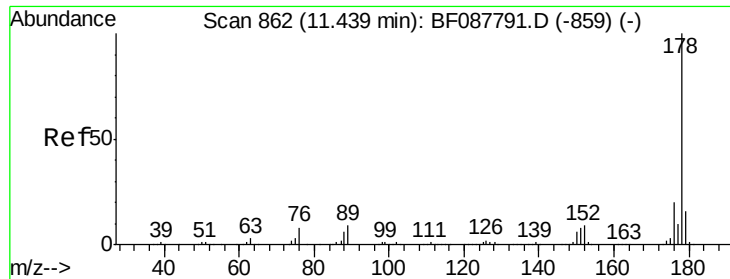
Tgt Ion:188 Resp: 282423
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 12.0 10.0 15.0



#70
Phenanthrene
Concen: 7.10 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion:178 Resp: 105222
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.3 13.0 19.4

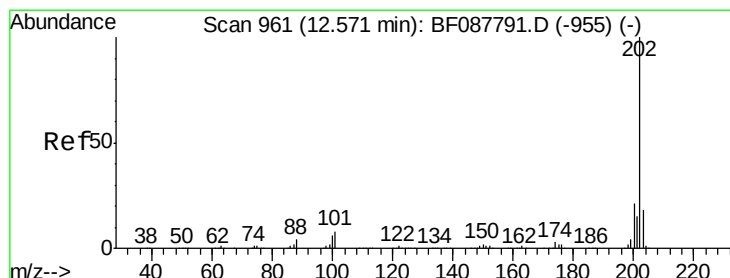
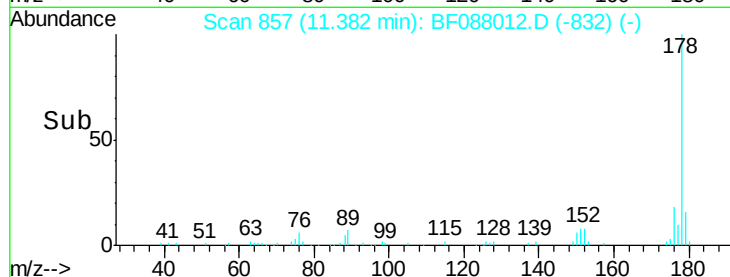
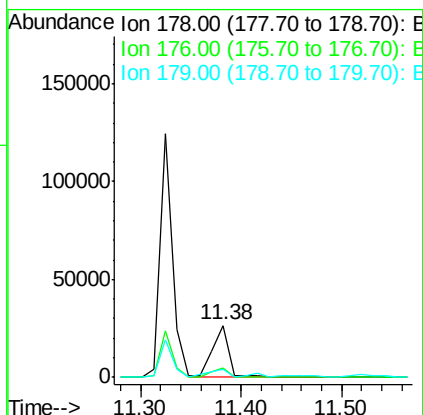
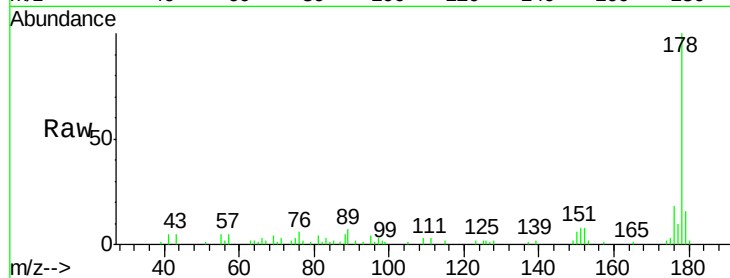




#71
 Anthracene
 Concen: 2.10 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

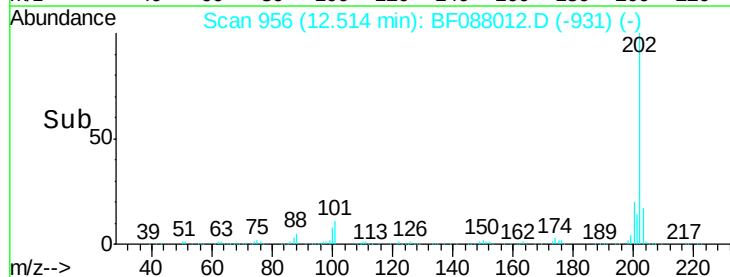
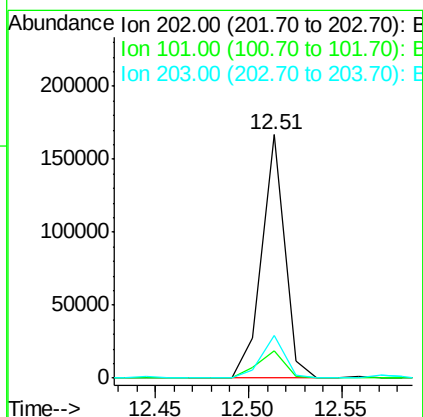
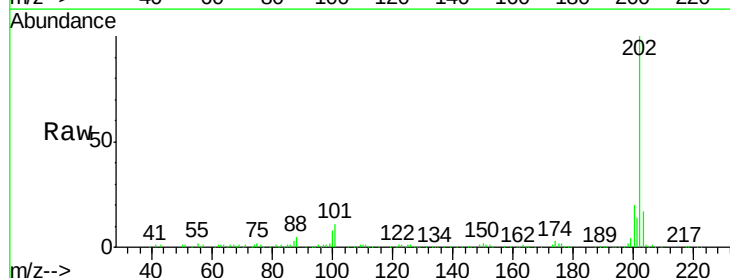
Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

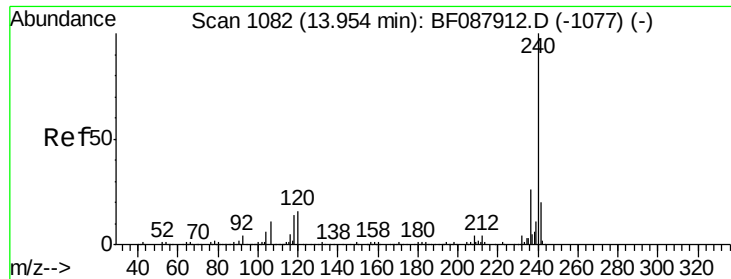
Tgt Ion:178 Resp: 31449
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.6 23.4
 179 16.3 12.8 19.2



#74
 Fluoranthene
 Concen: 9.10 ng
 RT: 12.51 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Tgt Ion:202 Resp: 142259
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 33.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C

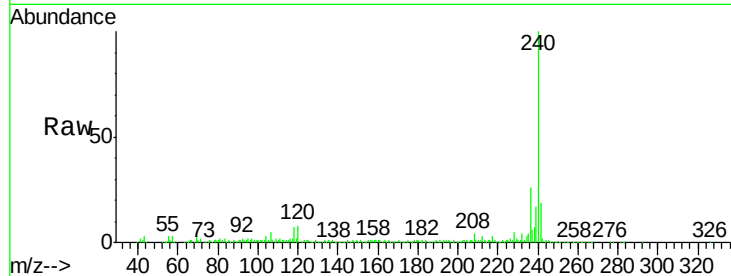
Tgt Ion:240 Resp: 253805

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

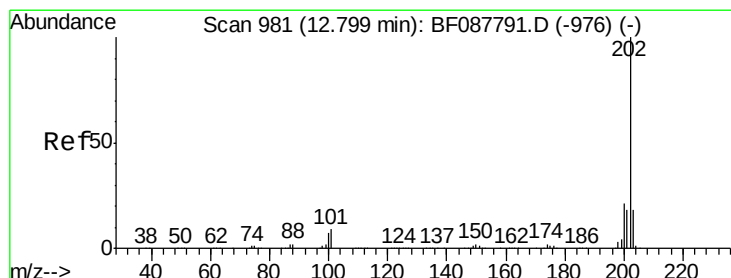
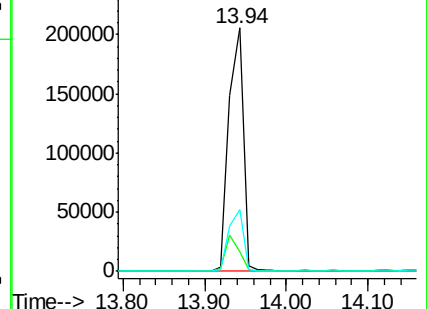
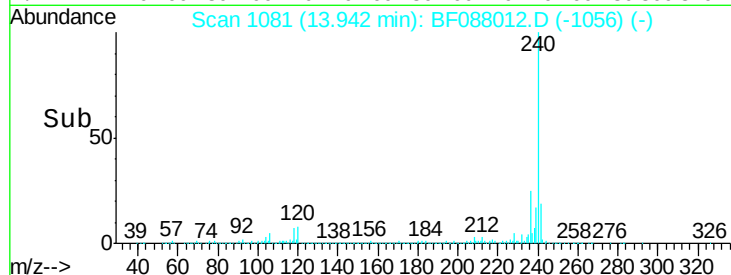
236 25.5 20.2 30.2



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: 6.66 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

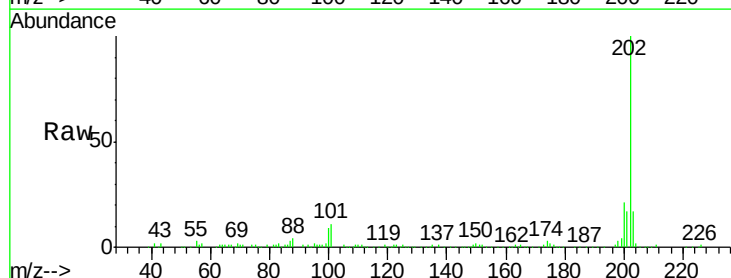
Tgt Ion:202 Resp: 125404

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

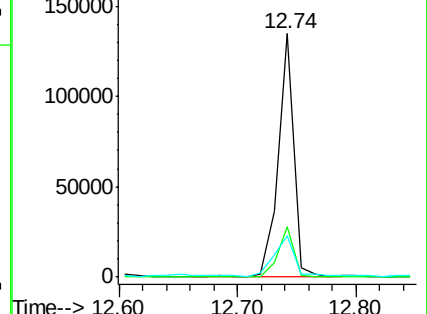
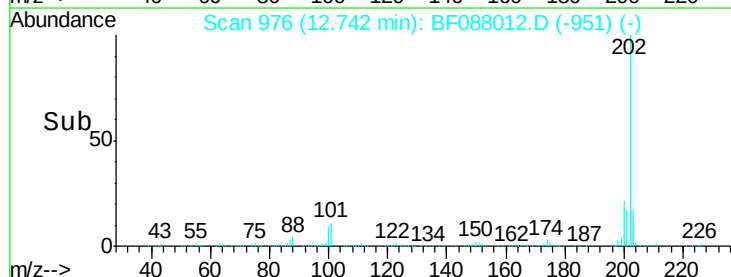
203 17.2 14.5 21.7

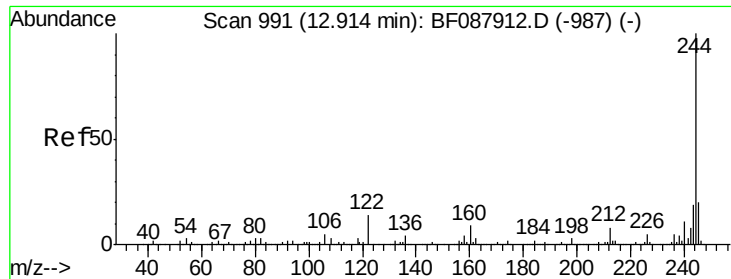


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

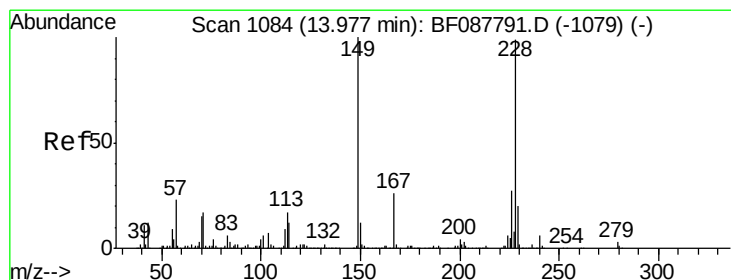
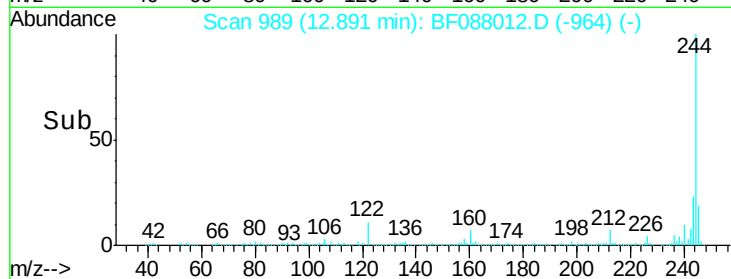
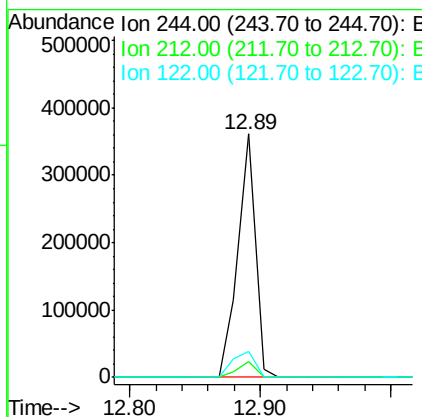
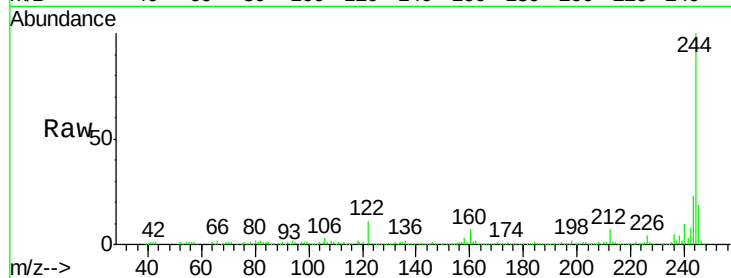




#78
 Terphenyl-d14
 Concen: 30.18 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

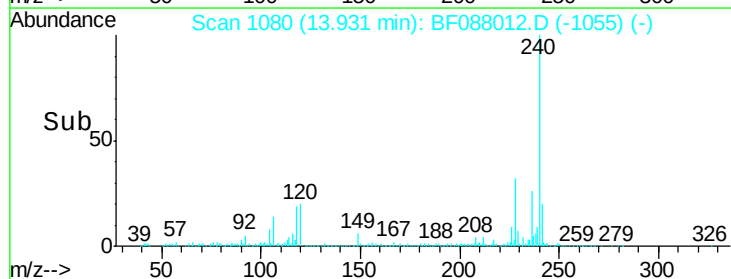
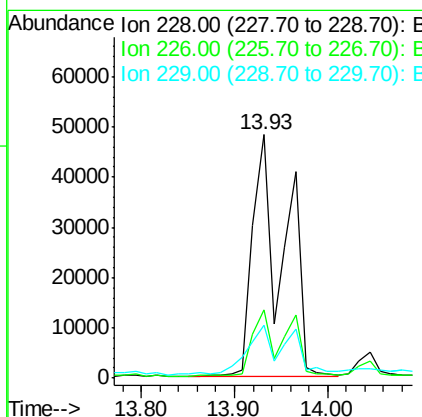
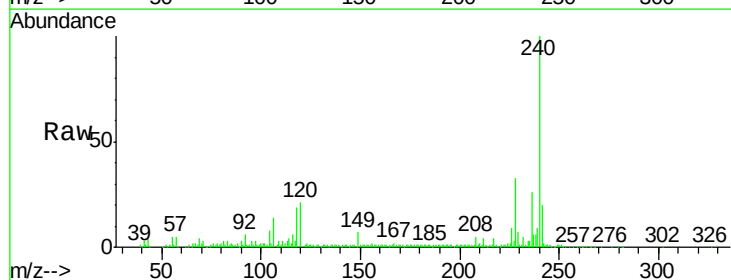
Instrument :
 BNA_F
 ClientSampleId :
 S6-B3(0-7)C

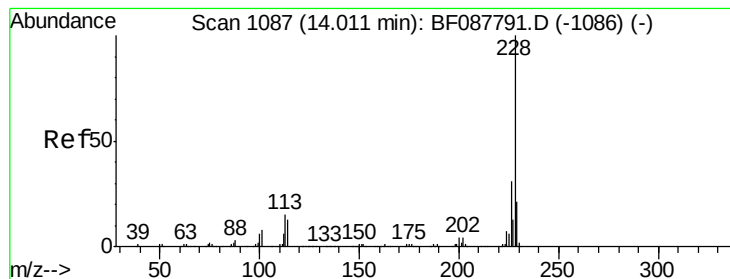
Tgt Ion:244 Resp: 336656
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 10.6 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 7.64 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF088012.D
 Acq: 14 Jun 2016 21:56

Tgt Ion:228 Resp: 110454
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.3 33.5
 229 21.8 16.0 24.0





#82

Chrysene

Concen: 8.12 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C

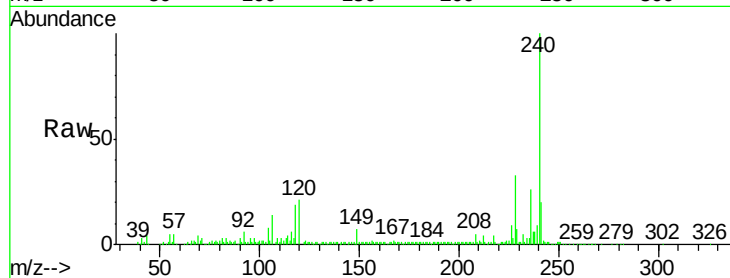
Tgt Ion:228 Resp: 110454

Ion Ratio Lower Upper

228 100

226 28.2 25.4 38.2

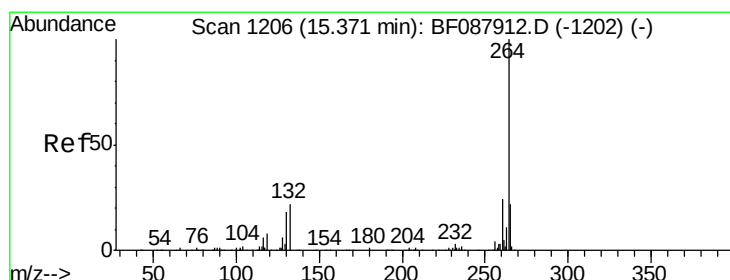
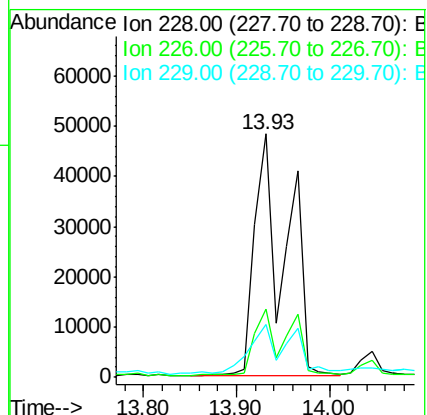
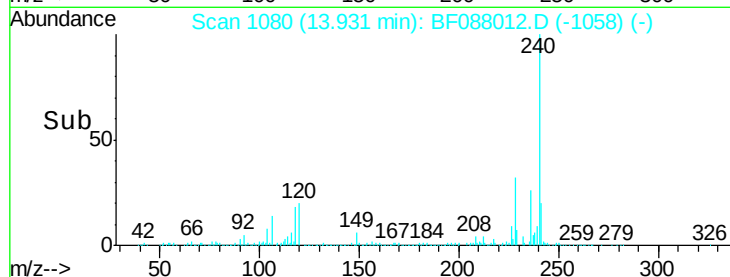
229 21.8 16.3 24.5



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: 15.35 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF088012.D

Acq: 14 Jun 2016 21:56

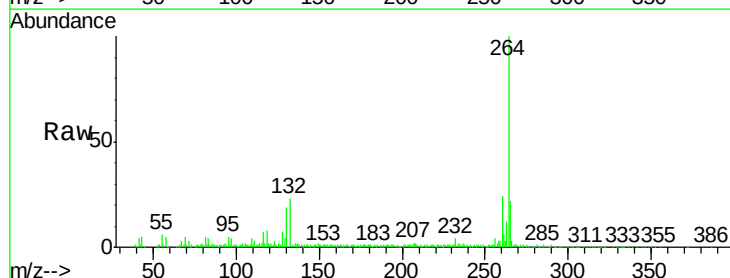
Tgt Ion:264 Resp: 206505

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

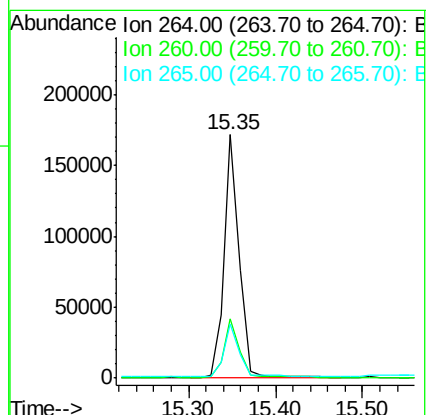
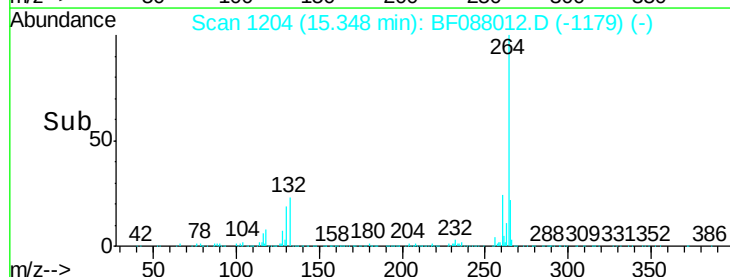
265 22.1 16.9 25.3

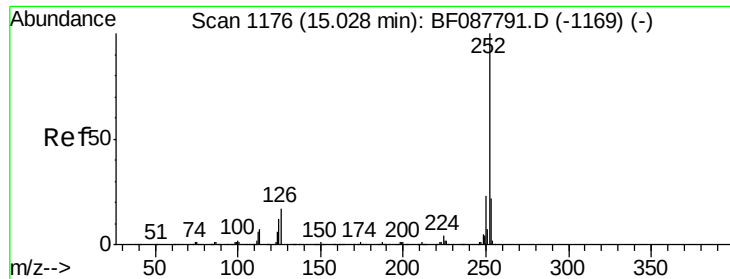


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

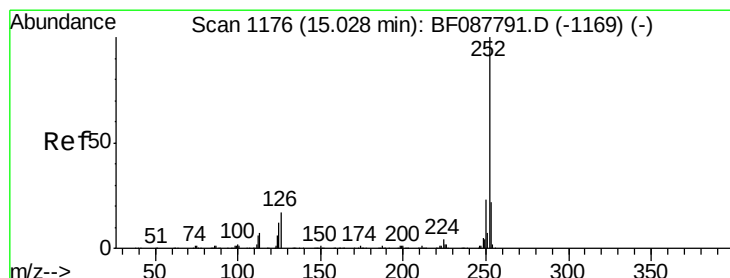
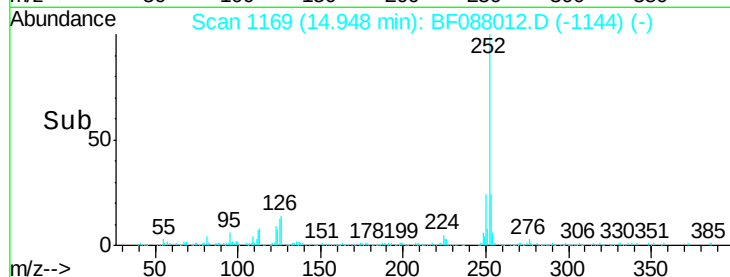
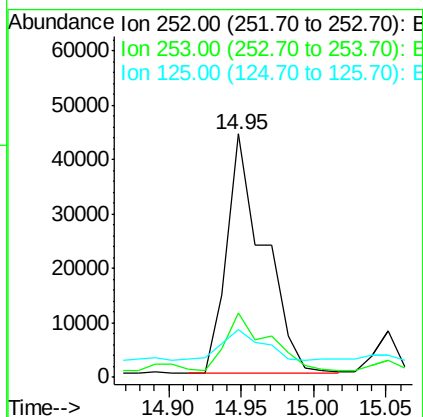
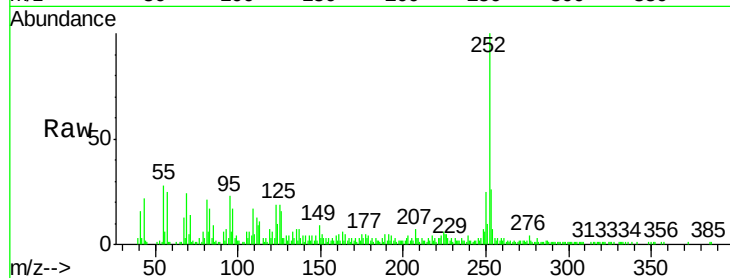




#87
Benzo(b)fluoranthene
Concen: 5.47 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

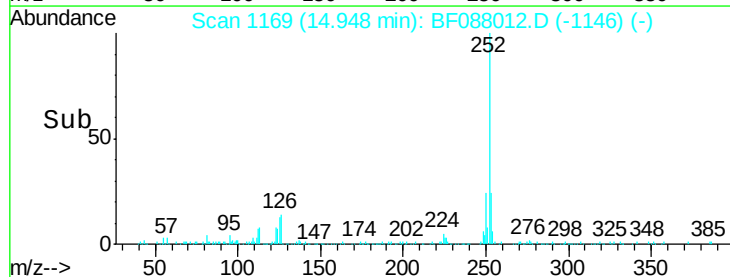
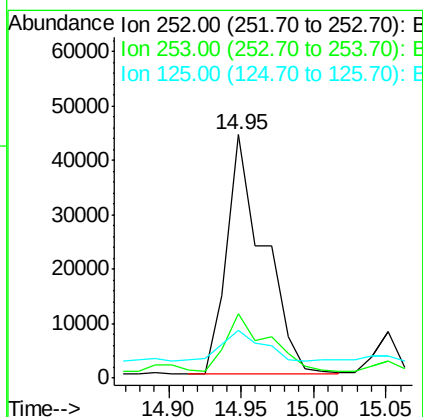
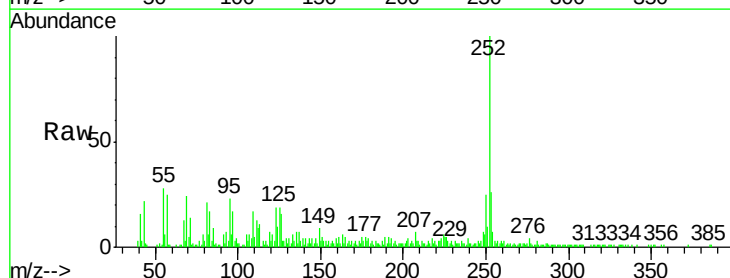
Instrument :
BNA_F
ClientSampleId :
S6-B3(0-7)C

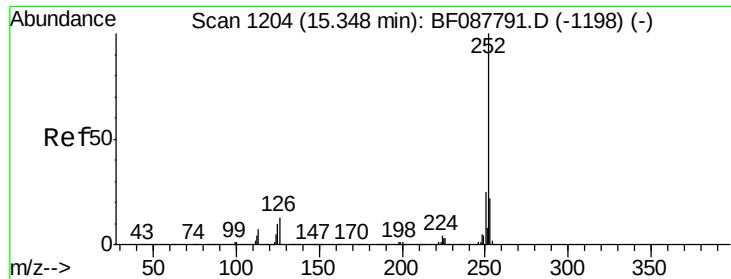
Tgt Ion:252 Resp: 78787
Ion Ratio Lower Upper
252 100
253 26.4 17.4 26.2#
125 19.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 7.26 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088012.D
Acq: 14 Jun 2016 21:56

Tgt Ion:252 Resp: 78787
Ion Ratio Lower Upper
252 100
253 26.4 18.0 27.0
125 19.4 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 3.48 ng

RT: 15.29 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF088012.D

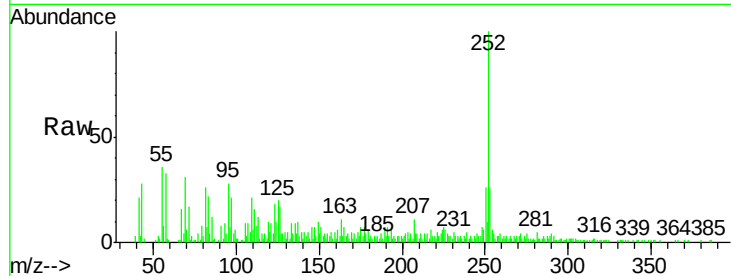
Acq: 14 Jun 2016 21:56

Instrument :

BNA_F

ClientSampleId :

S6-B3(0-7)C



Tgt Ion:	252	Resp:	40549
Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	20.0	12.5	18.7#

