

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088013.D
 Acq On : 14 Jun 2016 22:25
 Operator : UM/SJ
 Sample : H3489-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S7-B5(0-6)C

Quant Time: Jun 15 03:58:13 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

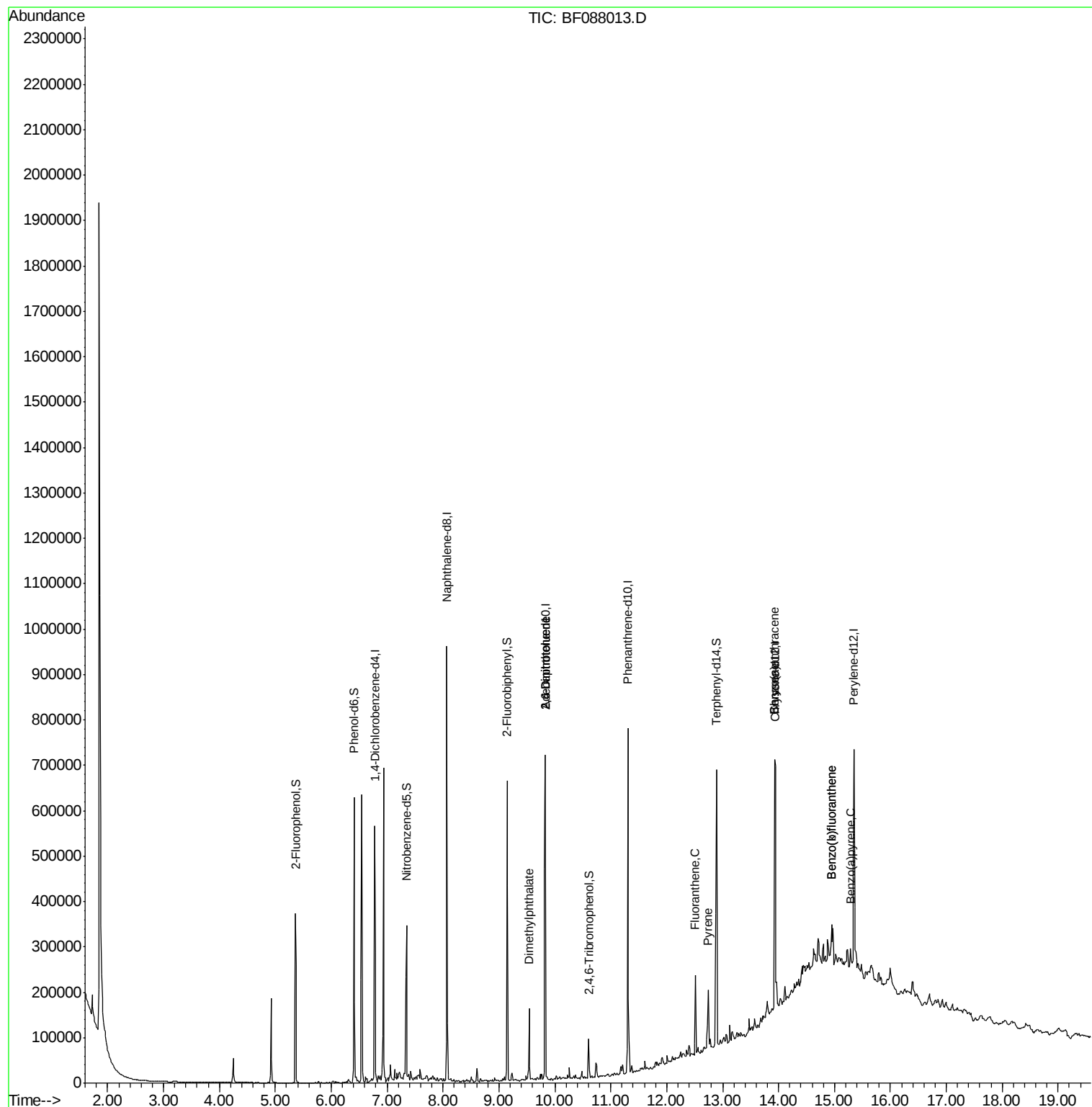
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	102062	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	404576	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	177436	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	266876	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	258985	20.00	ng	-0.01
86) Perylene-d12	15.35	264	216434	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	142036	23.79	ng	-0.02
7) Phenol-d6	6.41	99	224649	31.05	ng	-0.02
23) Nitrobenzene-d5	7.35	82	140582	20.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	8607	4.59	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	273710	20.00	ng	-0.02
78) Terphenyl-d14	12.89	244	208587	18.33	ng	-0.01
Target Compounds						
10) Phenol	6.42	94	1435	Below Cal	#	1
45) 1,1'-Biphenyl	9.24	154	533	Below Cal	#	43
49) Dimethylphthalate	9.54	163	56165	4.37	ng	99
50) 2,6-Dinitrotoluene	9.83	165	22641	7.69	ng	# 39
56) 2,4-Dinitrotoluene	9.83	165	22641	5.99	ng	# 37
57) Fluorene	10.36	166	1800	Below Cal	#	83
74) Fluoranthene	12.51	202	60738	4.11	ng	98
77) Pyrene	12.74	202	56427	2.94	ng	98
80) Benzo(a)anthracene	13.93	228	64596	4.38	ng	96
82) Chrysene	13.93	228	64596	4.65	ng	96
87) Benzo(b)fluoranthene	14.95	252	51965	3.44	ng	# 85
88) Benzo(k)fluoranthene	14.95	252	51965	4.57	ng	# 90
89) Benzo(a)pyrene	15.29	252	25597	2.10	ng	# 92

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

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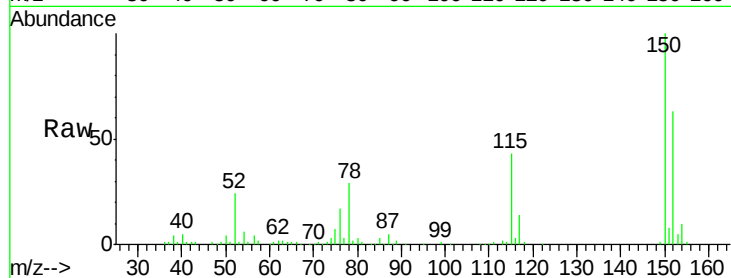


#1

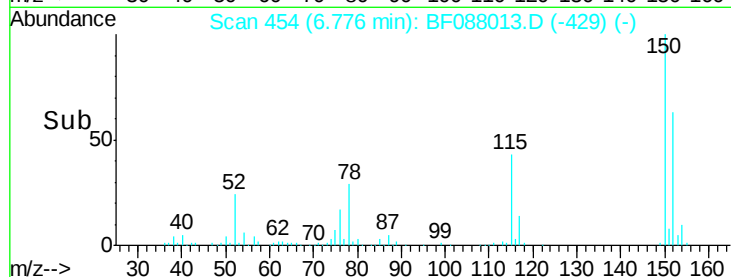
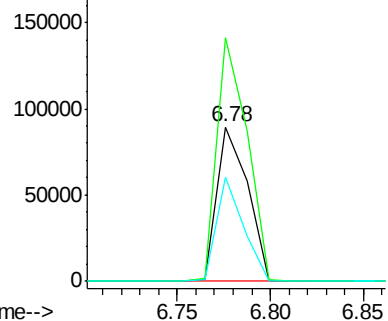
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

Instrument :
 BNA_F
 ClientSampleId :
 S7-B5(0-6)C

Tgt Ion:152 Resp: 102062
 Ion Ratio Lower Upper
 152 100
 150 158.0 123.8 185.6
 115 67.9 39.6 59.4#



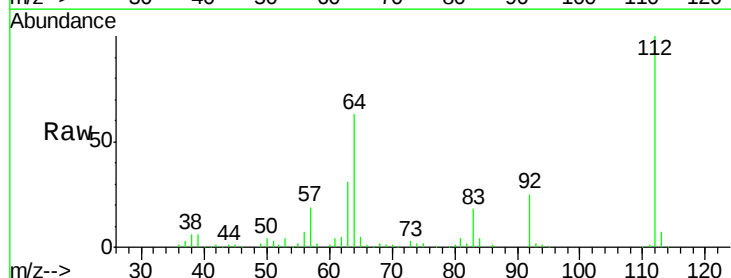
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



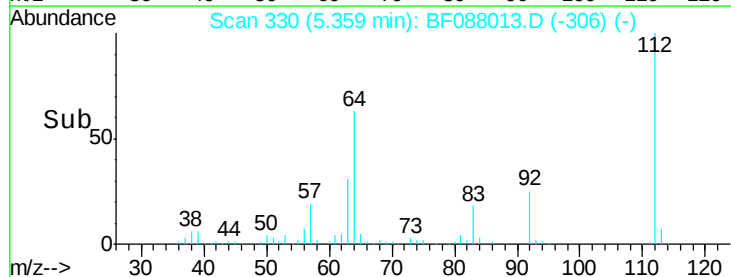
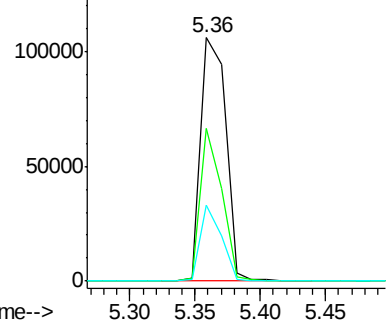
#5

2-Fluorophenol
 Concen: 23.79 ng
 RT: 5.36 min Scan# 330
 Delta R.T. -0.02 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

Tgt Ion:112 Resp: 142036
 Ion Ratio Lower Upper
 112 100
 64 62.7 42.2 63.2
 63 31.4 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: 31.05 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

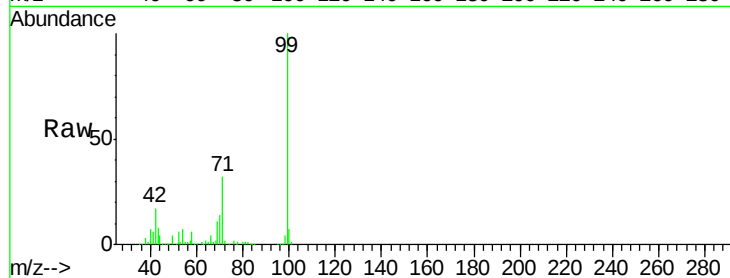
Tgt Ion: 99 Resp: 224649

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

71 31.7 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

6.41

250000

200000

150000

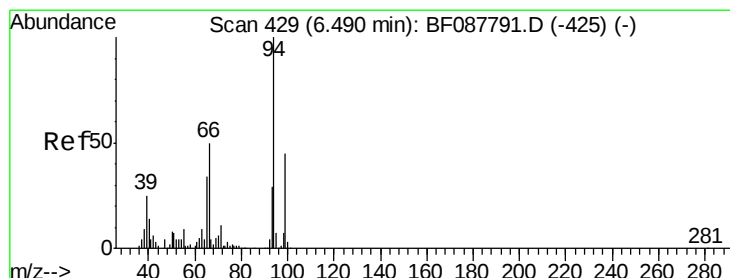
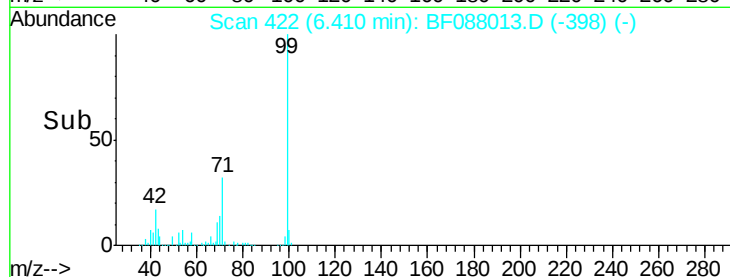
100000

50000

0

6.35 6.40 6.45 6.50

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

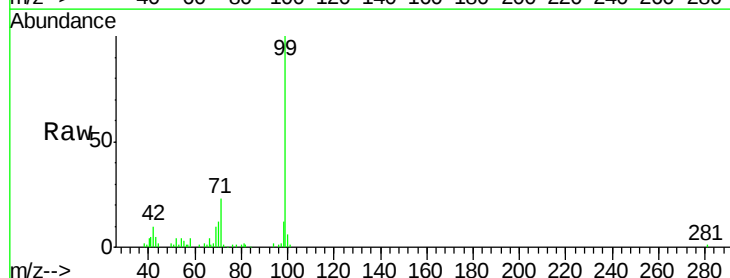
Tgt Ion: 94 Resp: 1435

Ion Ratio Lower Upper

94 100

65 72.9 5.9 45.9#

66 231.4 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

6.42

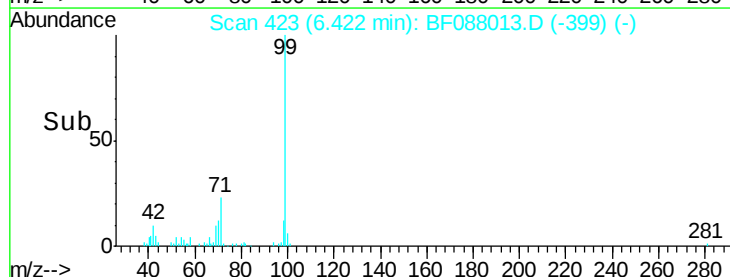
10000

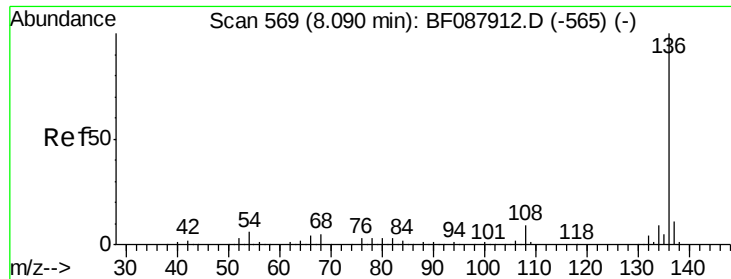
5000

0

6.40 6.45

Time-->

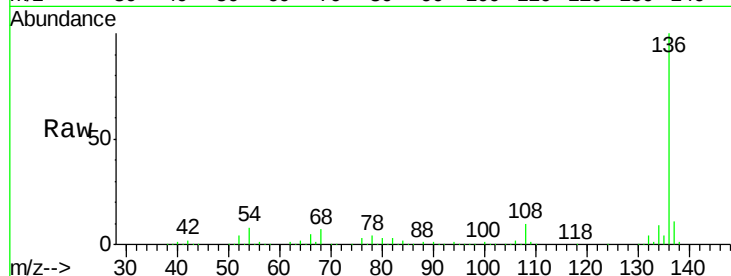




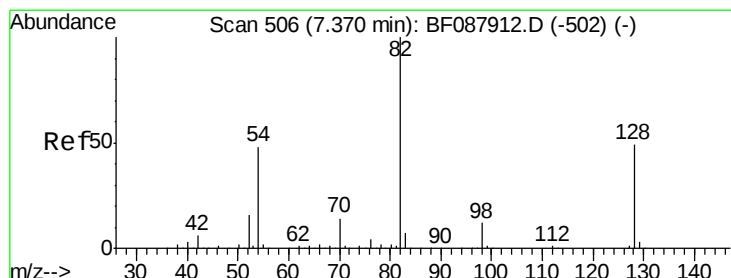
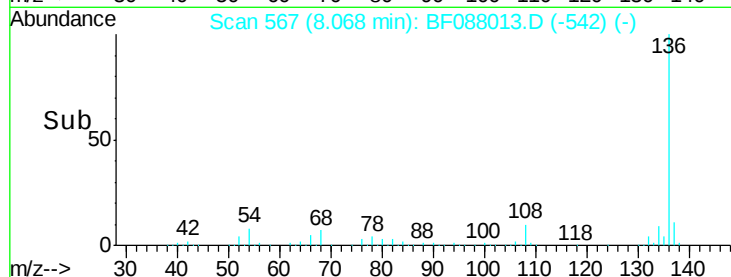
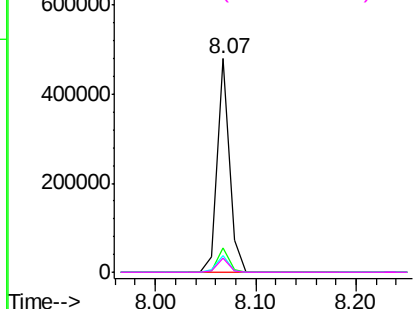
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

Instrument :
BNA_F
ClientSampleId :
S7-B5(0-6)C

Tgt Ion:	136	Resp:	404576
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.9	6.6	10.0
68	6.5	5.1	7.7

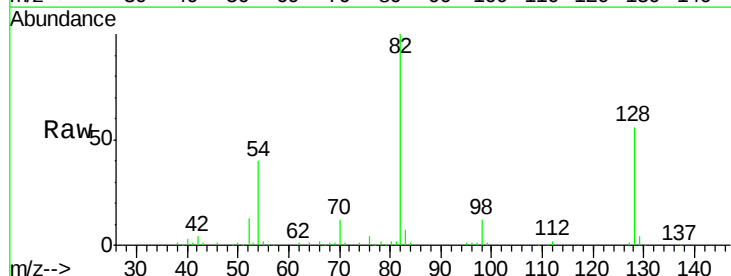


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

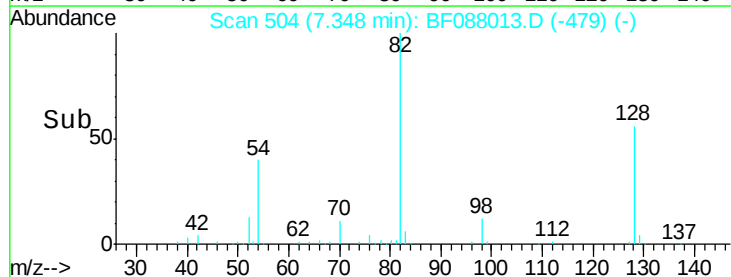
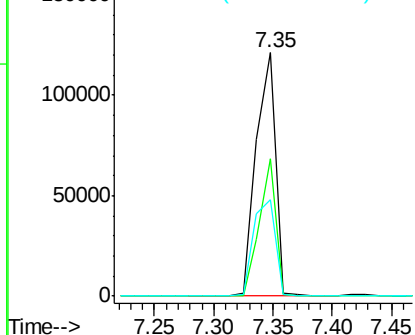


#23
Nitrobenzene-d5
Concen: 20.29 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

Tgt Ion:	82	Resp:	140582
Ion	Ratio	Lower	Upper
82	100		
128	56.4	35.9	53.9#
54	39.8	40.9	61.3#



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: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

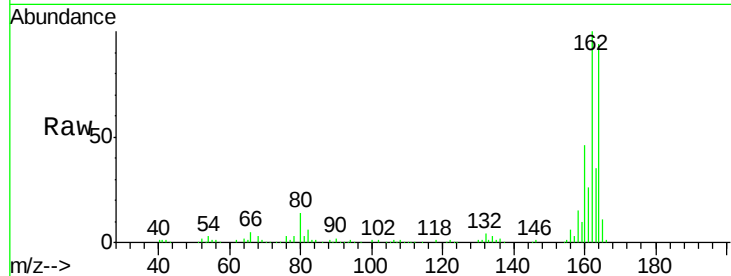
Tgt Ion:164 Resp: 177436

Ion Ratio Lower Upper

164 100

162 106.1 85.4 128.2

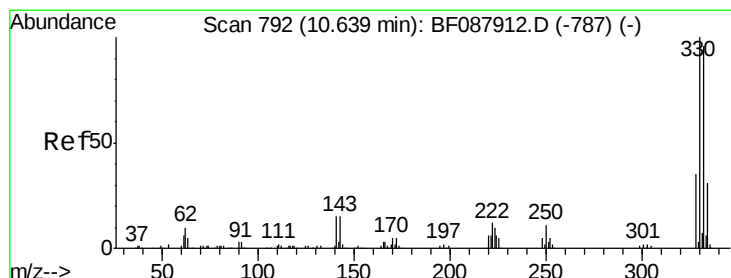
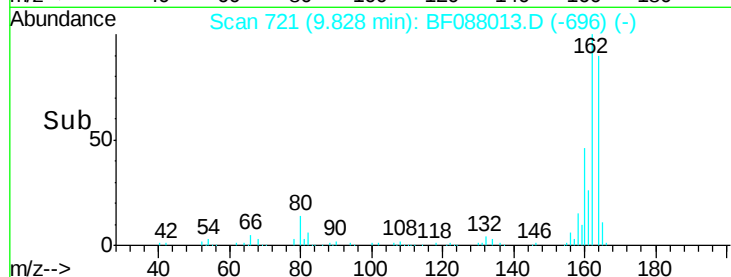
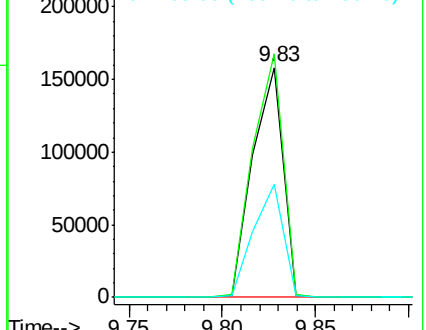
160 49.1 39.5 59.3



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: 4.59 ng

RT: 10.61 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

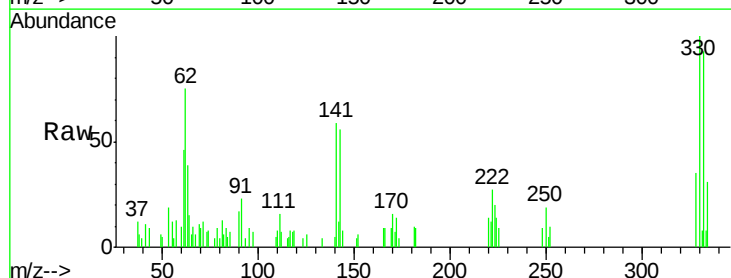
Tgt Ion:330 Resp: 8607

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

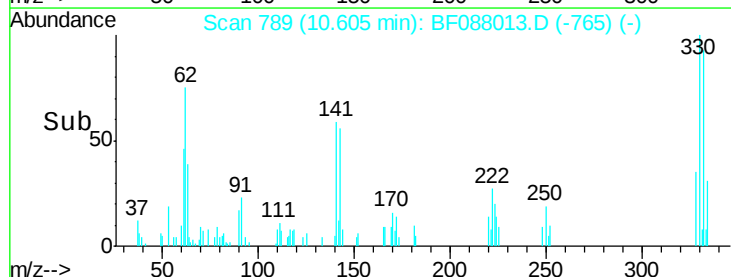
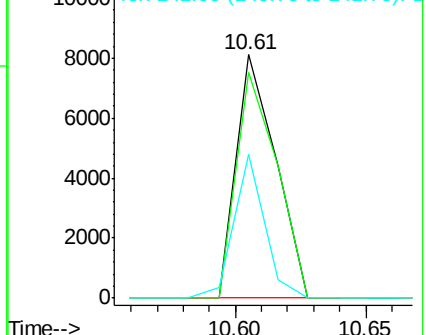
141 46.3 0.0 0.0#

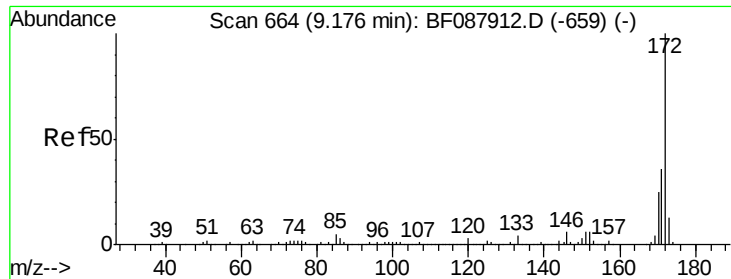


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

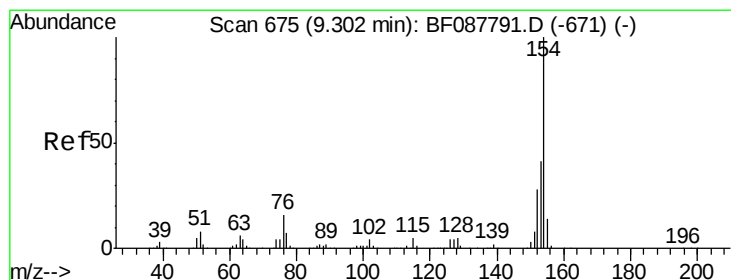
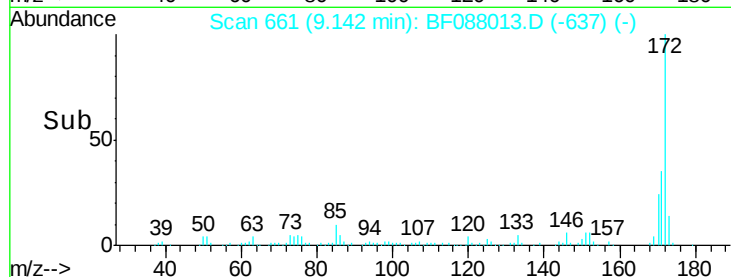
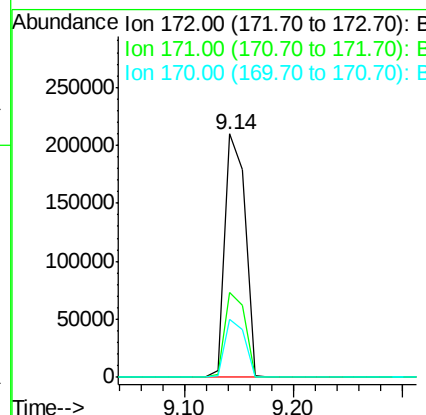
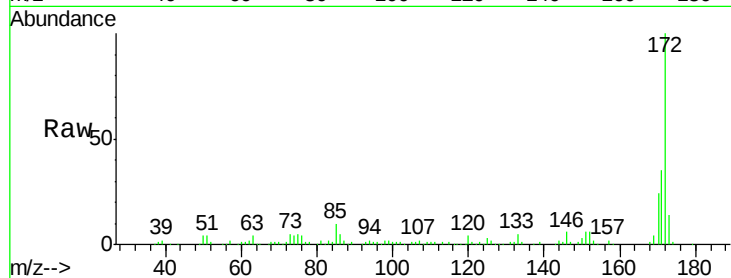




#44
 2-Fluorobiphenyl
 Concen: 20.00 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

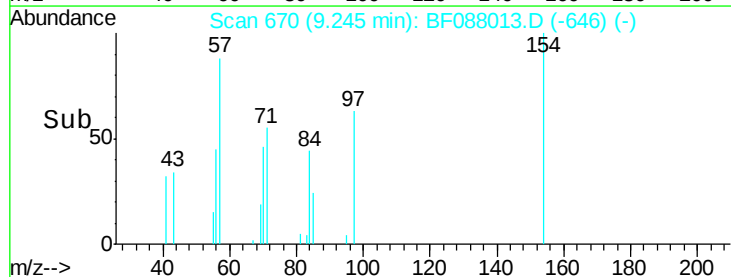
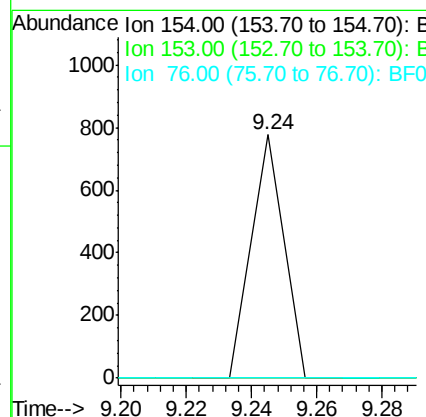
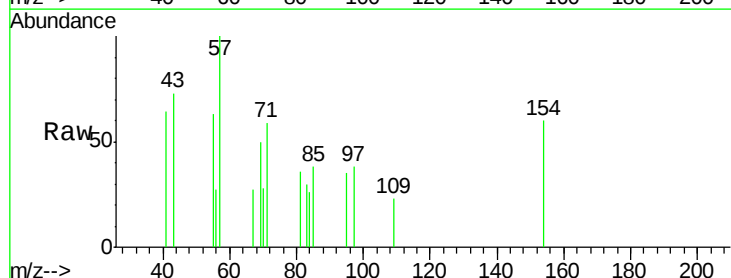
Instrument :
 BNA_F
 ClientSampleId :
 S7-B5(0-6)C

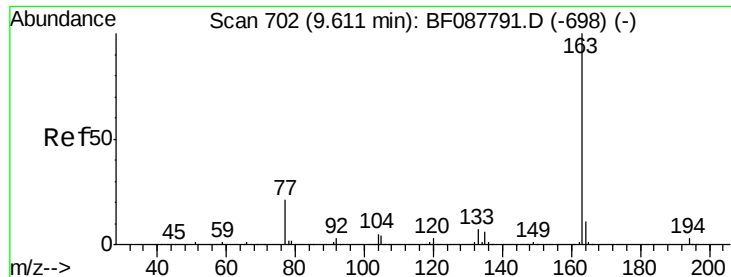
Tgt Ion:172 Resp: 273710
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.6 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

Tgt Ion:154 Resp: 533
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 4.37 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

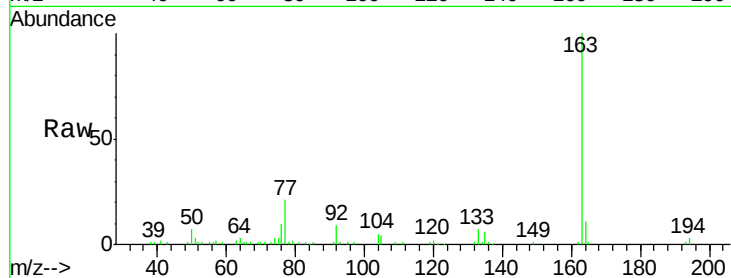
Tgt Ion:163 Resp: 56165

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

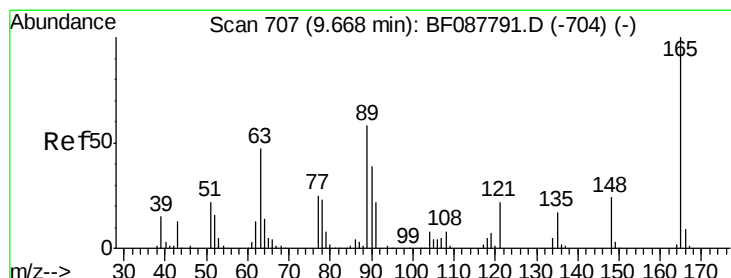
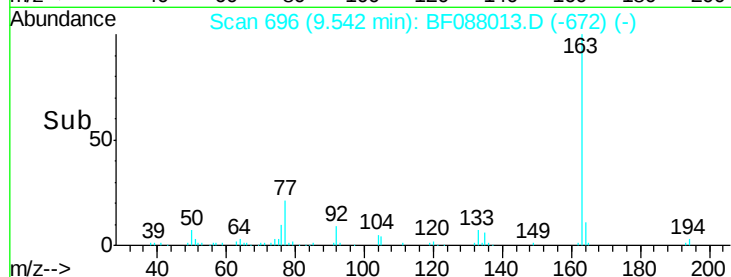
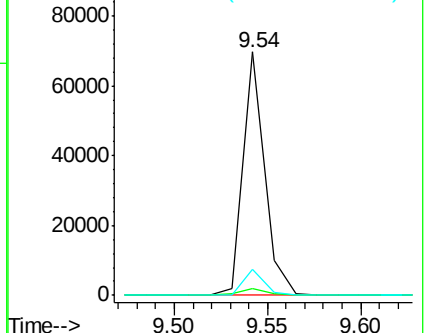
164 10.5 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 7.69 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.21 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

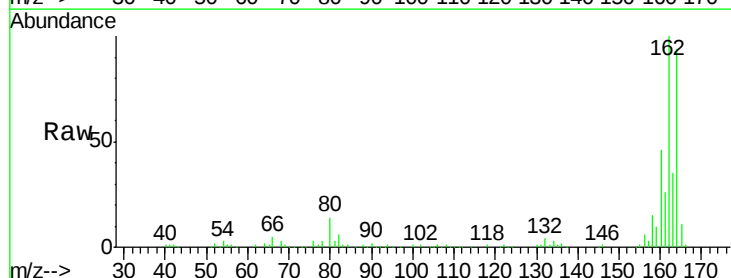
Tgt Ion:165 Resp: 22641

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

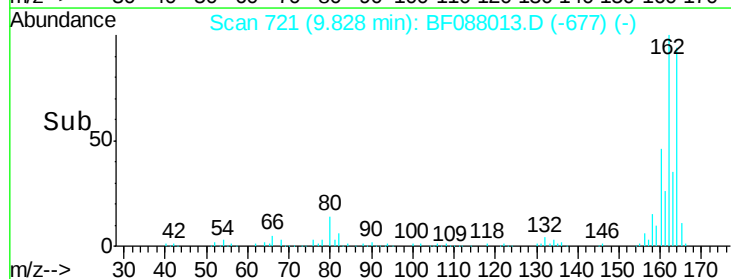
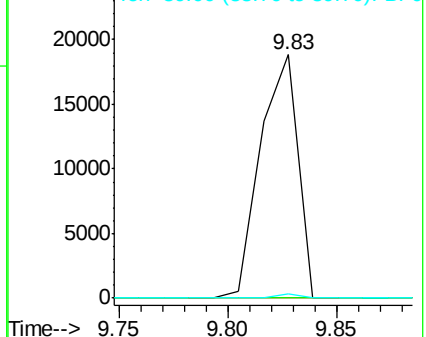
89 1.8 32.2 48.2#

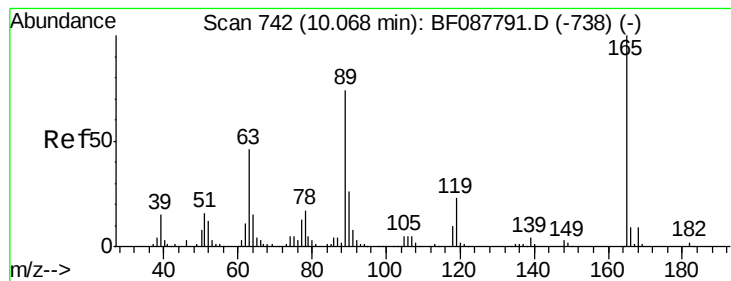


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.99 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

Tgt Ion:165 Resp: 22641

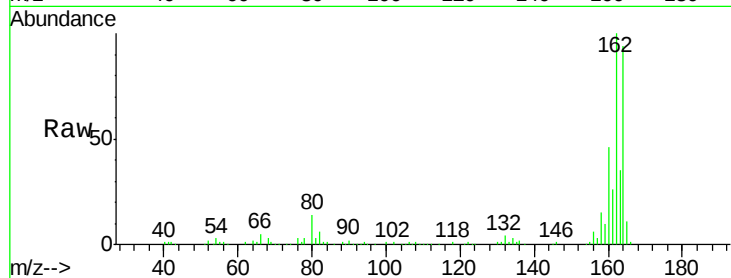
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

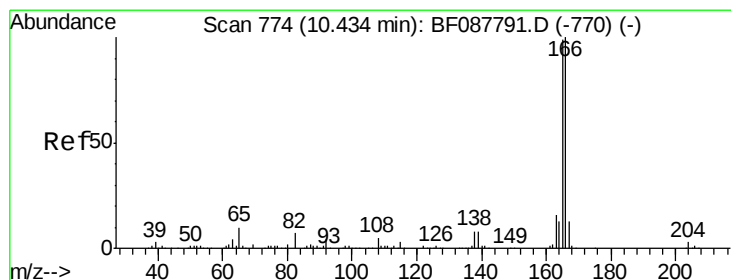
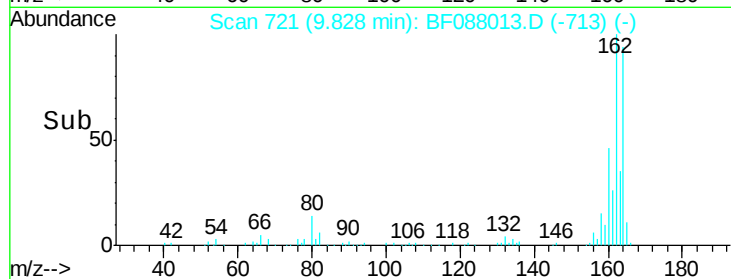
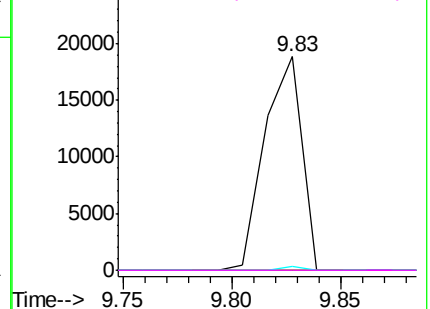


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088013.D

Acq: 14 Jun 2016 22:25

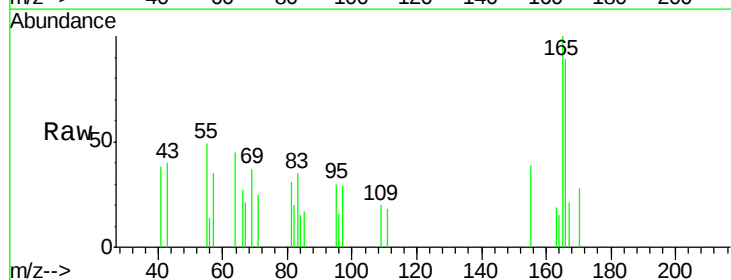
Tgt Ion:166 Resp: 1800

Ion Ratio Lower Upper

166 100

165 112.9 77.8 116.8

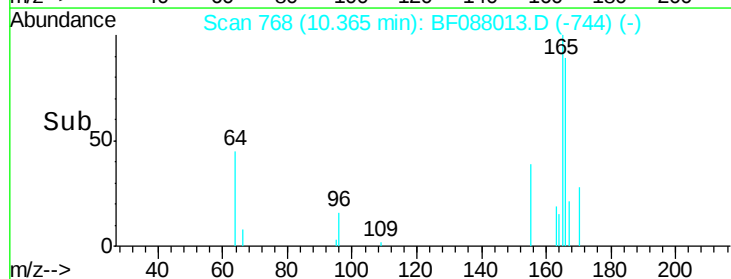
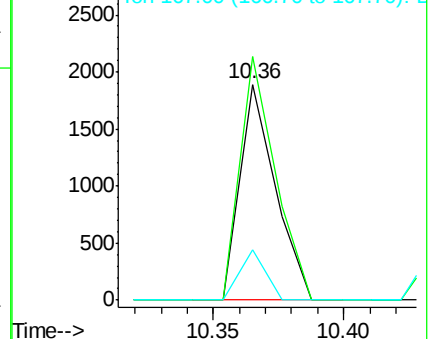
167 23.4 11.2 16.8#

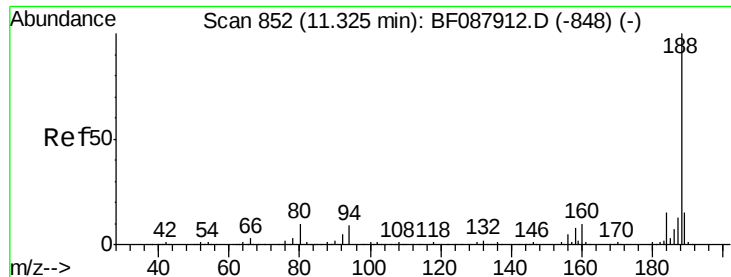


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

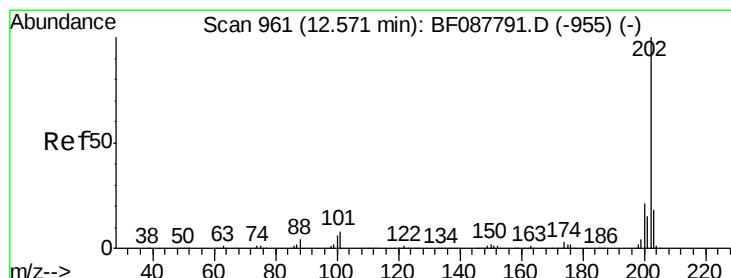
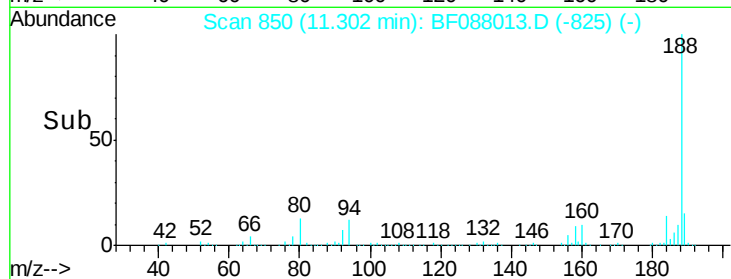
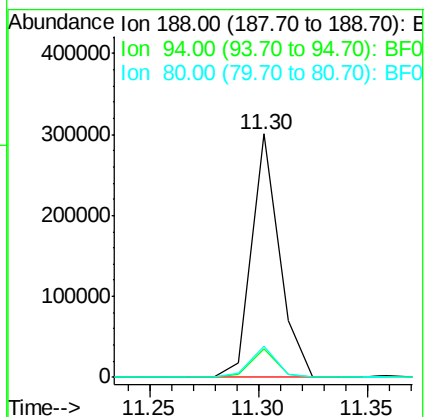
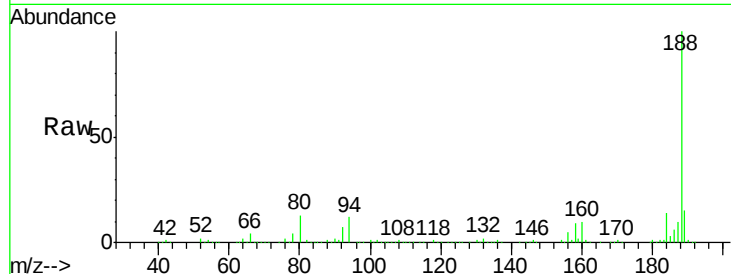




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

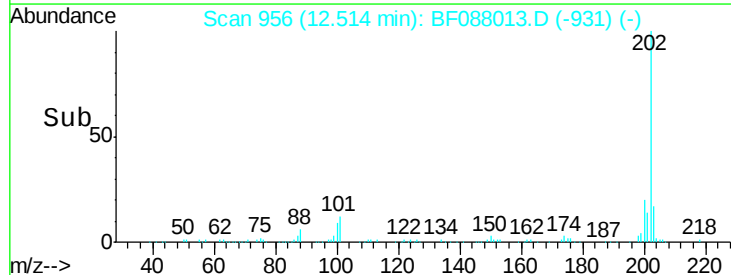
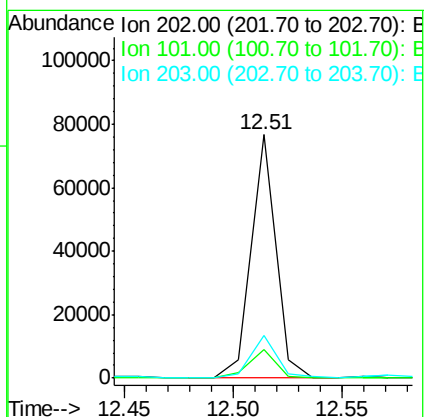
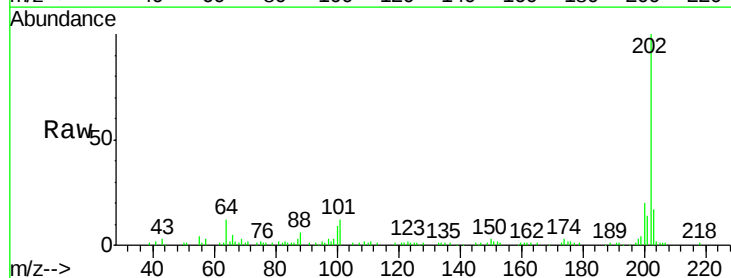
Instrument :
BNA_F
ClientSampleId :
S7-B5(0-6)C

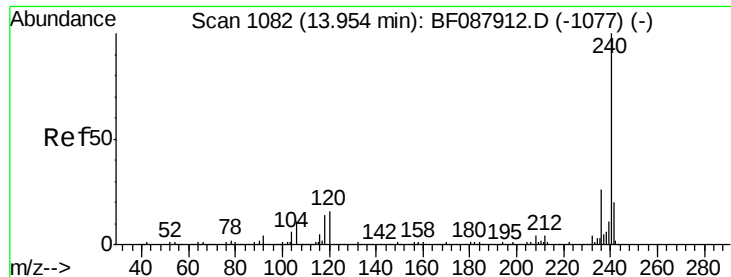
Tgt Ion:188 Resp: 266876
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.6
80 12.7 10.0 15.0



#74
Fluoranthene
Concen: 4.11 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

Tgt Ion:202 Resp: 60738
Ion Ratio Lower Upper
202 100
101 11.8 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: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

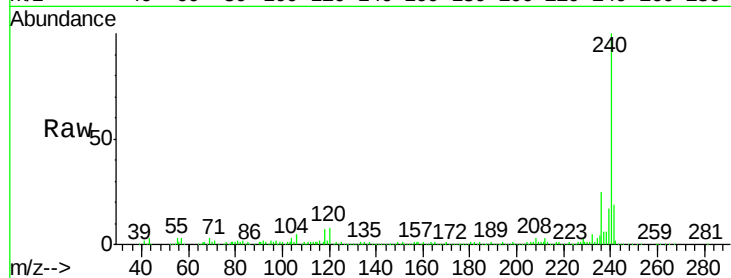
Tgt Ion:240 Resp: 258985

Ion Ratio Lower Upper

240 100

120 7.7 6.8 10.2

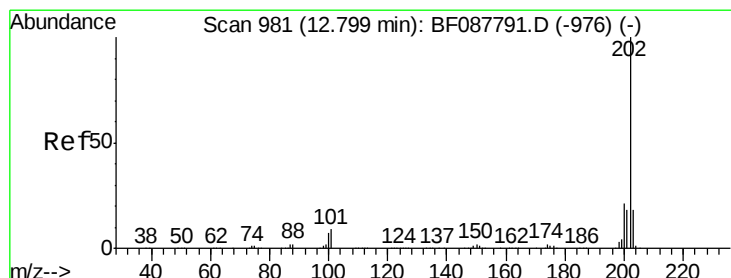
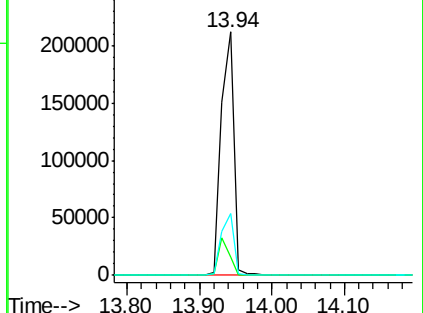
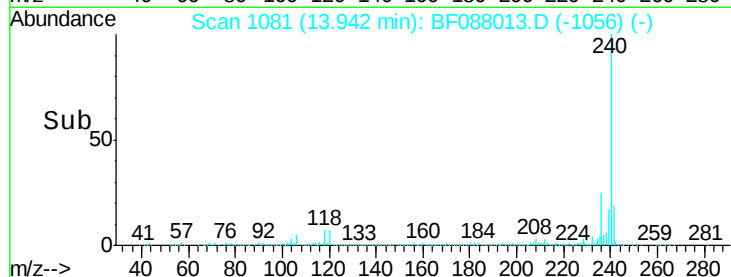
236 25.5 20.2 30.2



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: 2.94 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

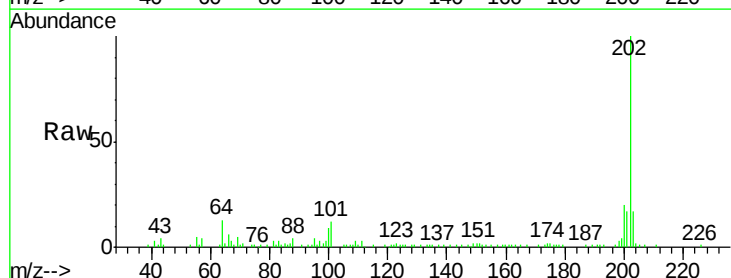
Tgt Ion:202 Resp: 56427

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

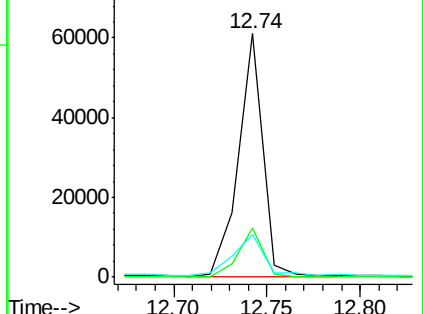
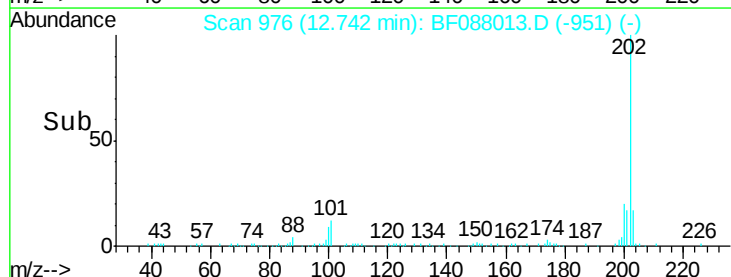
203 17.5 14.5 21.7

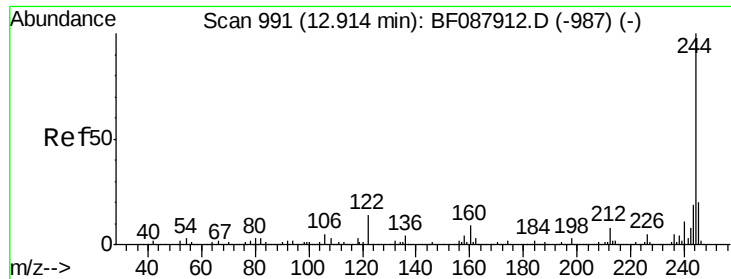


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

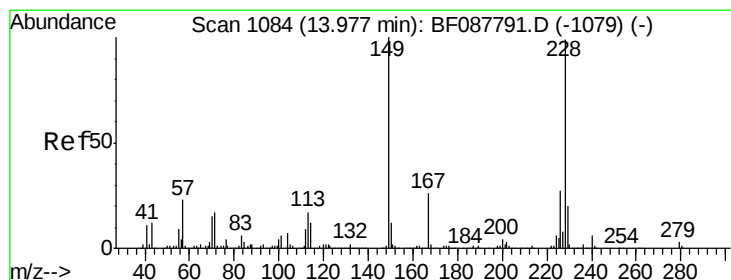
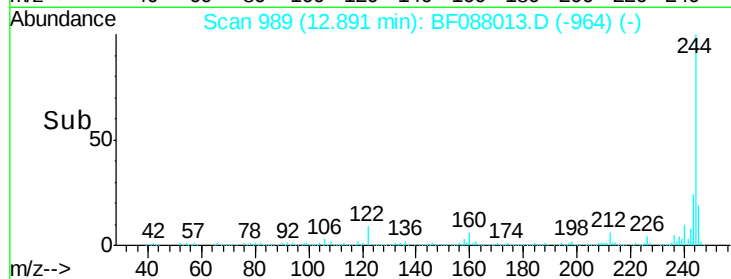
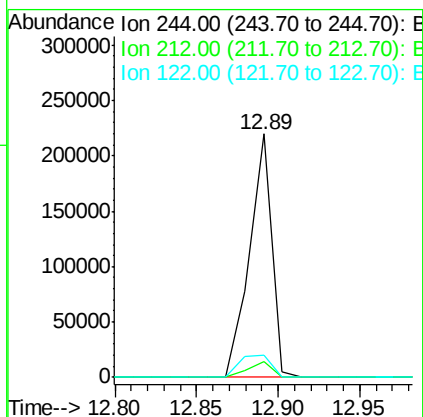
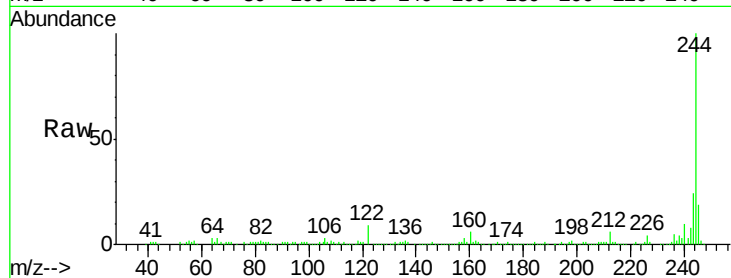




#78
 Terphenyl-d14
 Concen: 18.33 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

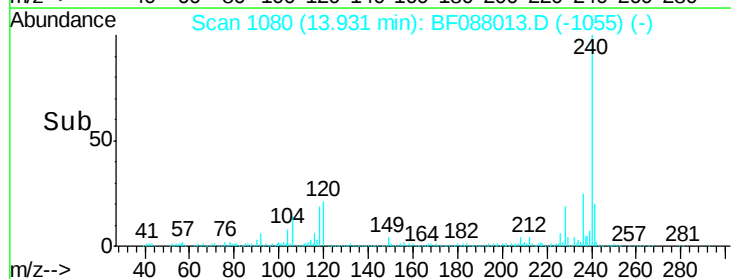
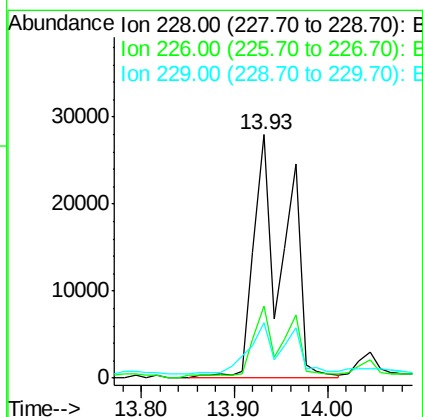
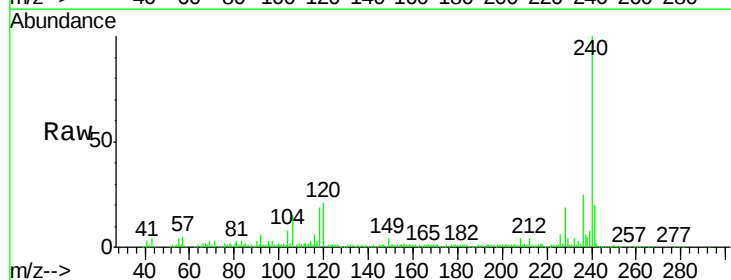
Instrument :
 BNA_F
 ClientSampleId :
 S7-B5(0-6)C

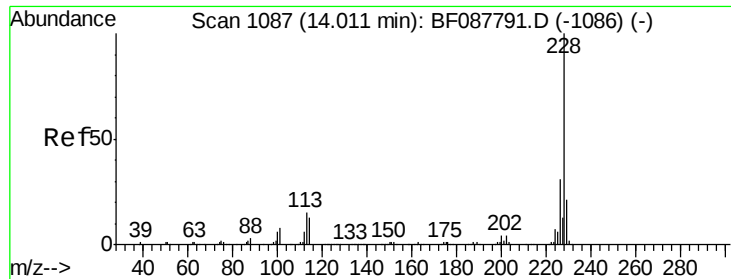
Tgt Ion: 244 Resp: 208587
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.0 9.0
 122 9.1 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 4.38 ng
 RT: 13.93 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF088013.D
 Acq: 14 Jun 2016 22:25

Tgt Ion: 228 Resp: 64596
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 22.5 16.0 24.0





#82

Chrysene

Concen: 4.65 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088013.D

Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C

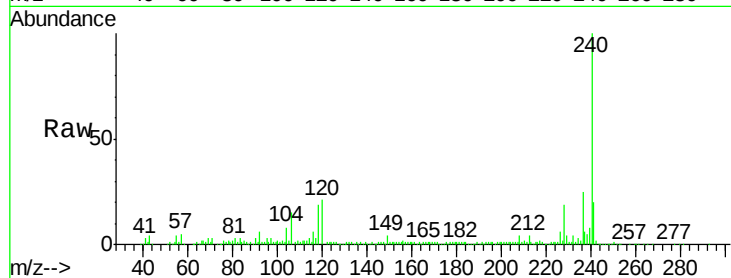
Tgt Ion:228 Resp: 64596

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

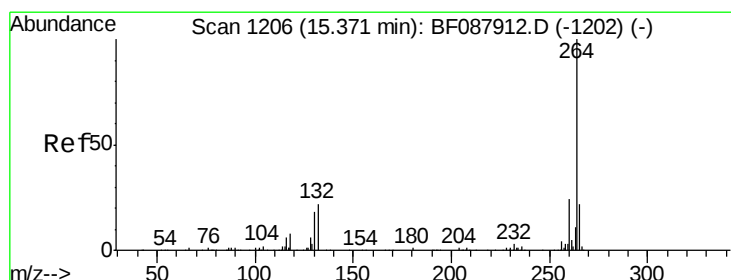
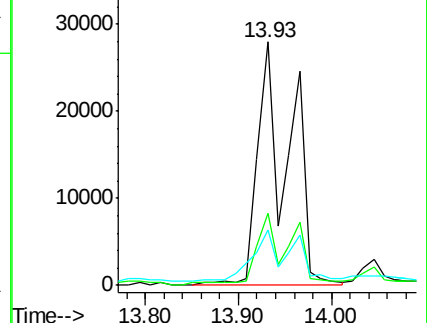
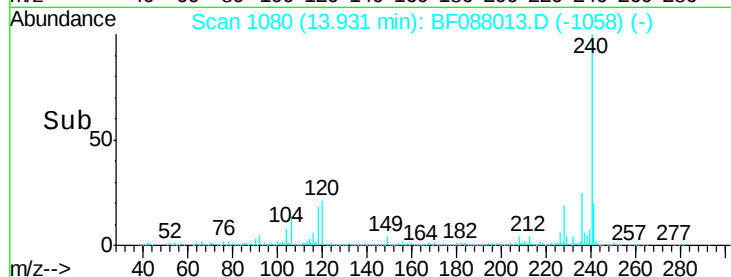
229 22.5 16.3 24.5



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: BF088013.D

Acq: 14 Jun 2016 22:25

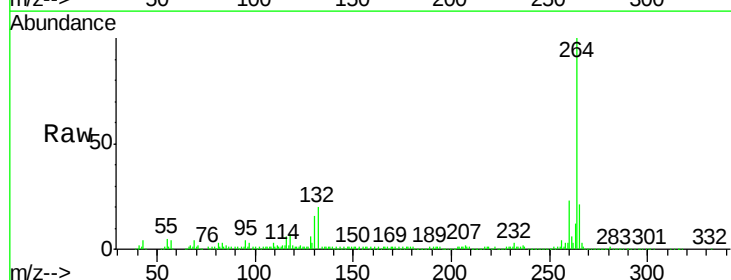
Tgt Ion:264 Resp: 216434

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

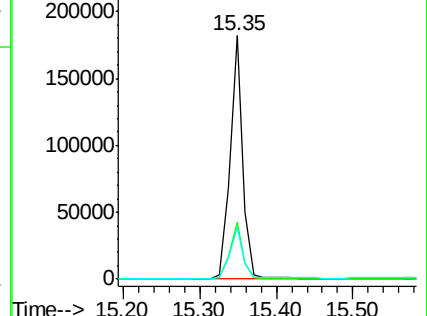
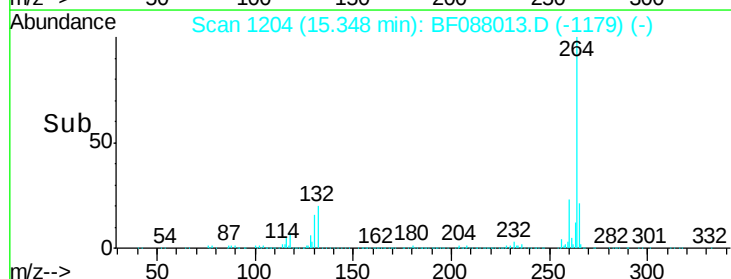
265 21.2 16.9 25.3

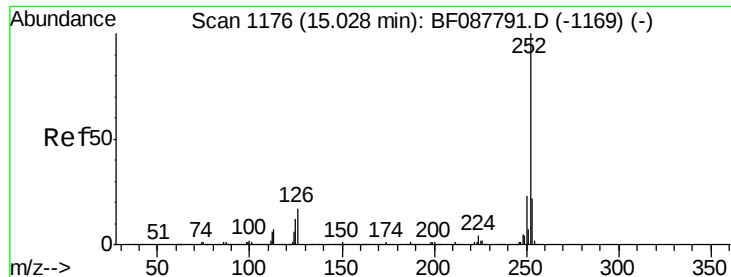


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

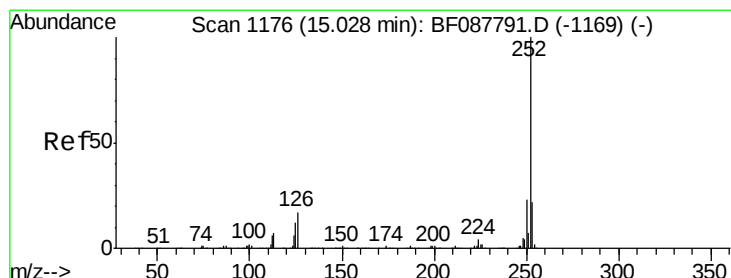
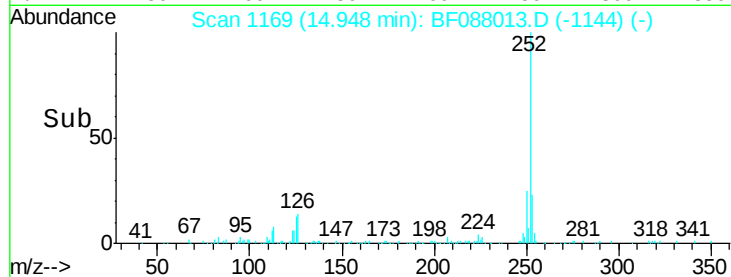
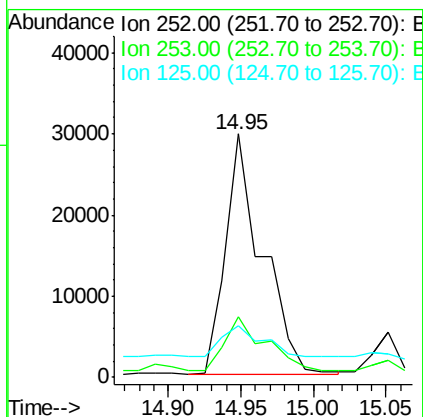
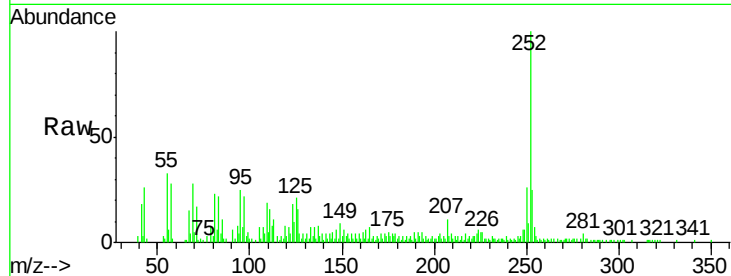




#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

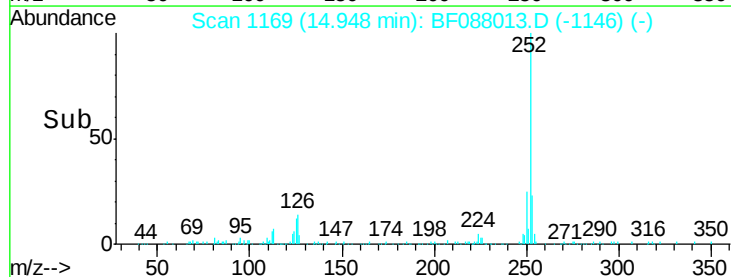
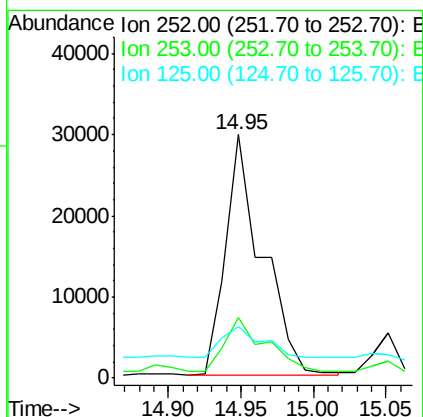
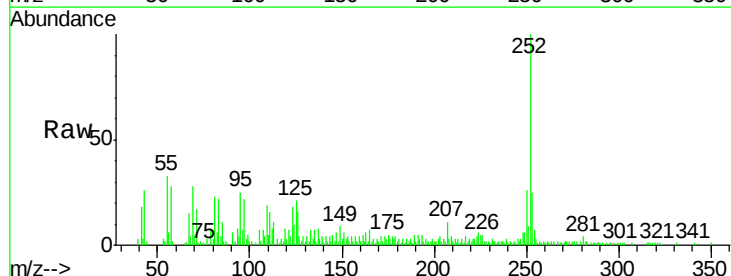
Instrument :
BNA_F
ClientSampleId :
S7-B5(0-6)C

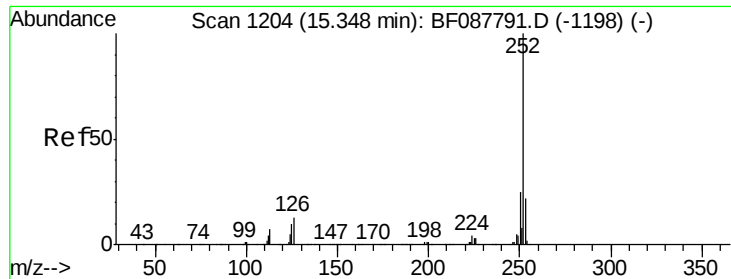
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	21.2	7.1	10.7#



#88
Benzo(k)fluoranthene
Concen: 4.57 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088013.D
Acq: 14 Jun 2016 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	21.2	11.2	16.8#





#89

Benzo(a)pyrene

Concen: 2.10 ng

RT: 15.29 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF088013.D

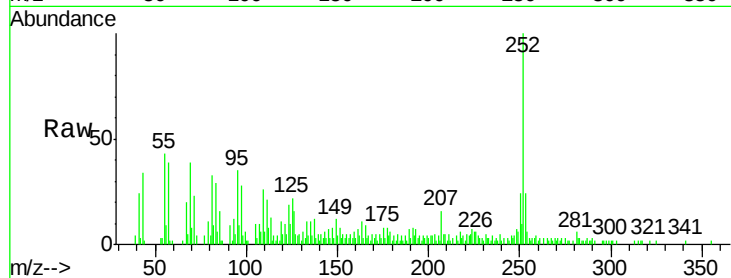
Acq: 14 Jun 2016 22:25

Instrument :

BNA_F

ClientSampleId :

S7-B5(0-6)C



Tgt Ion:	252	Resp:	25597
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	21.7	12.5	18.7#

