

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062615\NEW FOLDER\BF062615\
 Data File : BF080187.D
 Acq On : 26 Jun 2015 11:13
 Operator : TP/IZ
 Sample : G2658-02DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 09:28:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	28290	20.00	ng	-0.03
21) Naphthalene-d8	8.58	136	109434	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	58566	20.00	ng	-0.03
63) Phenanthrene-d10	11.89	188	120220	20.00	ng	-0.02
75) Chrysene-d12	15.02	240	126137	20.00	ng	0.02
86) Perylene-d12	17.00	264	124966	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	34879	21.82	ng	-0.03
7) Phenol-d6	6.89	99	50303	23.65	ng	-0.03
23) Nitrobenzene-d5	7.85	82	34222	18.21	ng	-0.02
41) 2,4,6-Tribromophenol	11.16	330	8482	14.81	ng	-0.02
44) 2-Fluorobiphenyl	9.66	172	54556	13.28	ng	-0.03
78) Terphenyl-d14	13.66	244	68563	12.69	ng	-0.01

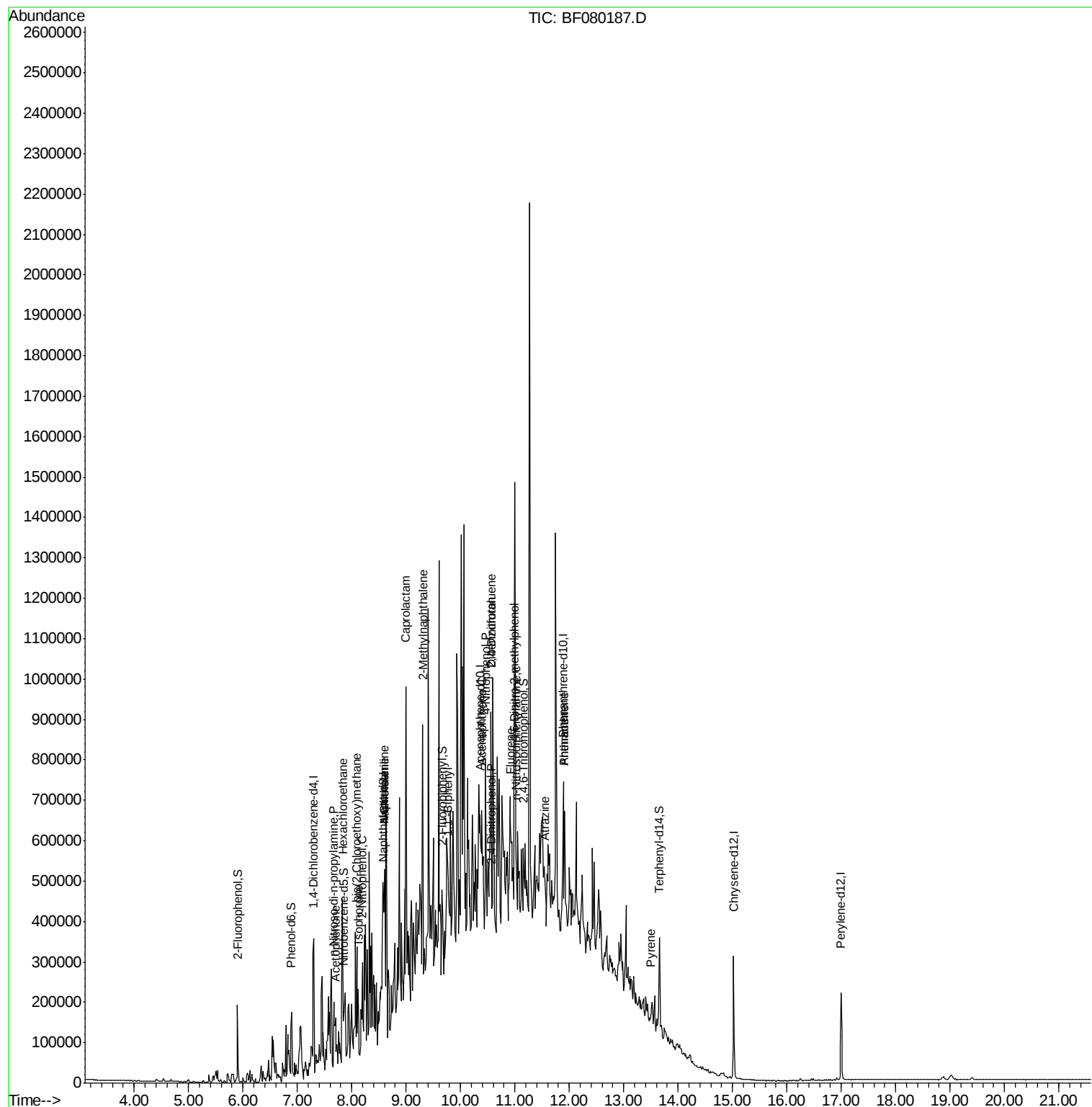
Target Compounds						Qvalue
18) Hexachloroethane	7.83	117	15647	22.27	ng	# 1
19) n-Nitroso-di-n-propylamine	7.67	70	4283	2.90	ng	# 66
22) Acetophenone	7.69	105	27702	10.86	ng	# 49
25) Isophorone	8.12	82	9411	2.49	ng	# 1
26) 2-Nitrophenol	8.20	139	1848	2.28	ng	# 1
28) bis(2-Chloroethoxy)methane	8.09	93	6712	3.02	ng	90
31) Naphthalene	8.61	128	66327	11.59	ng	# 89
33) 4-Chloroaniline	8.61	127	8881	3.63	ng	# 2
35) Caprolactam	9.00	113	16135	34.28	ng	# 1
37) 2-Methylnaphthalene	9.30	142	164325	44.40	ng	# 91
45) 1,1'-Biphenyl	9.77	154	48083	10.09	ng	95
51) Acenaphthene	10.39	154	14775	3.74	ng	# 31
53) 2,4-Dinitrophenol	10.57	184	265	6.52	ng	# 1
54) Dibenzofuran	10.56	168	19808	3.54	ng	# 1
55) 4-Nitrophenol	10.46	139	9929	12.20	ng	# 48
56) 2,4-Dinitrotoluene	10.56	165	12038	10.75	ng	# 62
57) Fluorene	10.92	166	34879	7.85	ng	# 64
64) 4,6-Dinitro-2-methylphenol	10.98	198	479	4.48	ng	# 1
65) n-Nitrosodiphenylamine	11.02	169	64939	16.59	ng	# 41
68) Atrazine	11.56	200	2587	2.09	ng	# 47
70) Phenanthrene	11.91	178	117790	16.18	ng	96
71) Anthracene	11.91	178	117790	16.81	ng	96
77) Pyrene	13.50	202	15693	2.02	ng	# 93

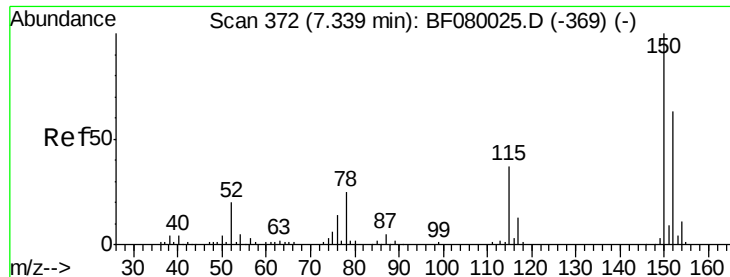
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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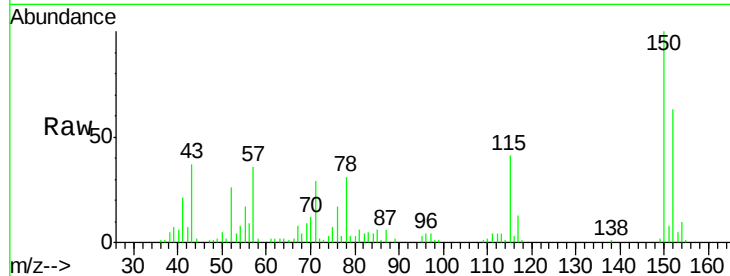


#1

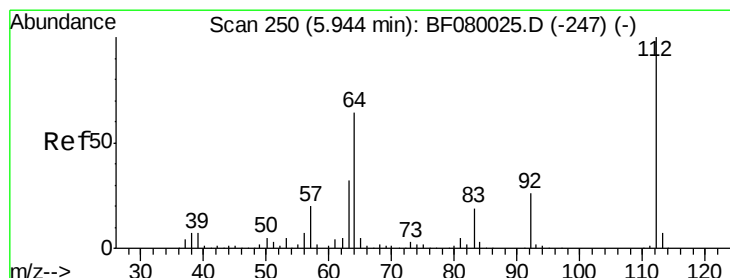
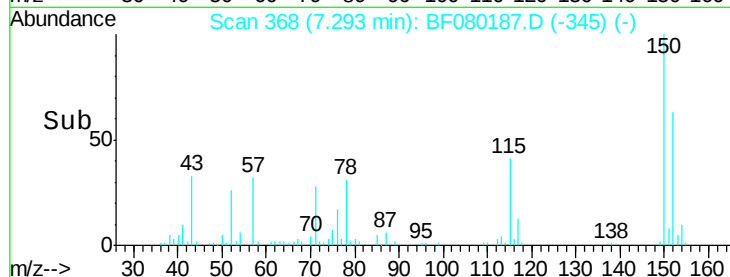
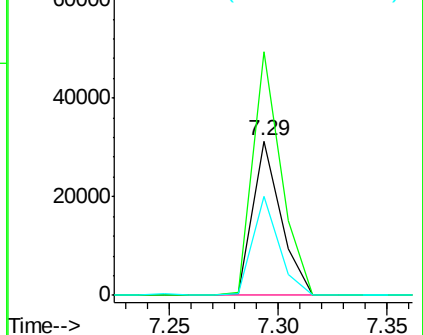
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 368
Delta R.T. -0.03 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28290
Ion Ratio Lower Upper
152 100
150 158.0 124.7 187.1
115 64.1 39.0 58.4#



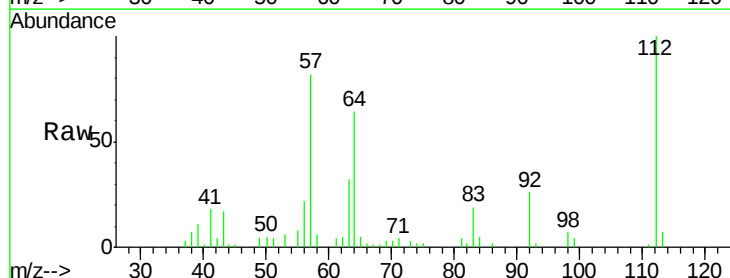
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



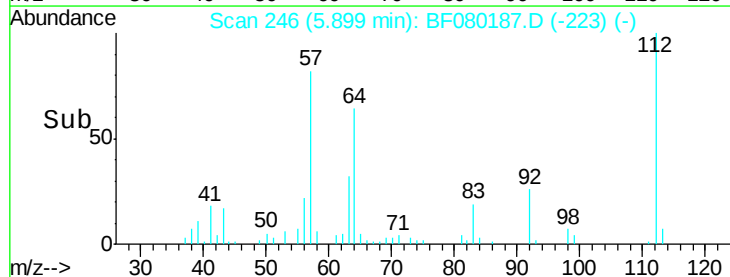
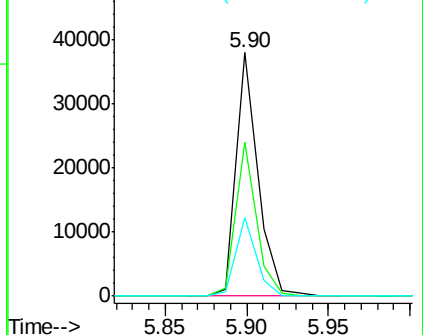
#5

2-Fluorophenol
Concen: 21.82 ng
RT: 5.90 min Scan# 246
Delta R.T. -0.03 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion:112 Resp: 34879
Ion Ratio Lower Upper
112 100
64 63.5 39.7 59.5#
63 32.3 17.4 26.0#



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: 23.65 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

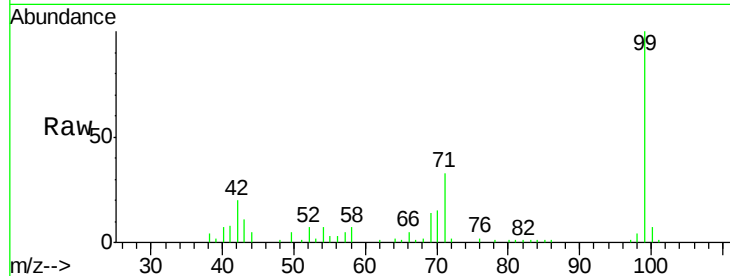
Tot Ion: 99 Resp: 50303

Ion Ratio Lower Upper

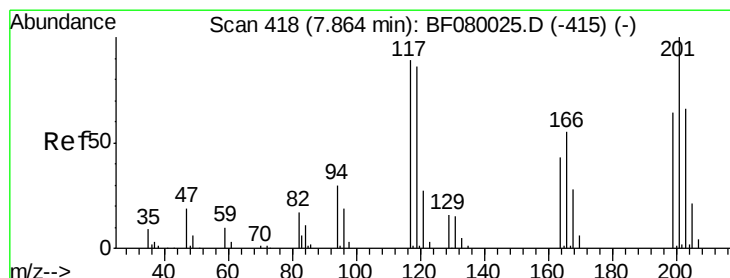
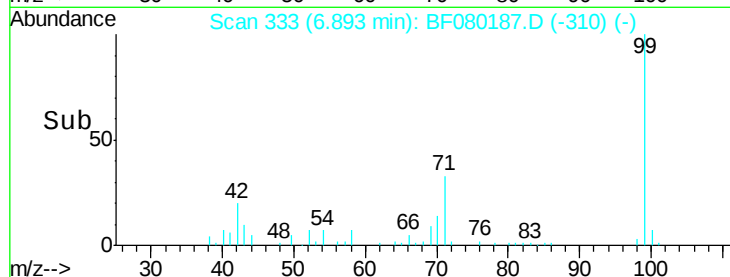
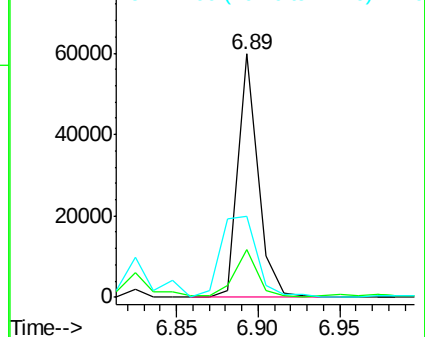
99 100

42 19.6 13.7 20.5

71 33.4 14.2 21.2#



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



#18

Hexachloroethane

Concen: 22.27 ng

RT: 7.83 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

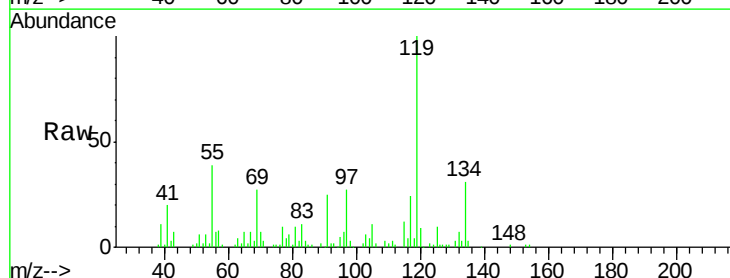
Tgt Ion: 117 Resp: 15647

Ion Ratio Lower Upper

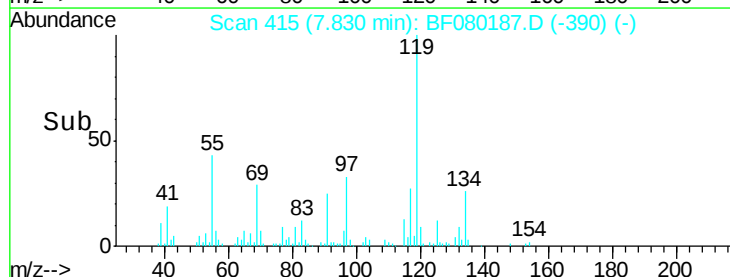
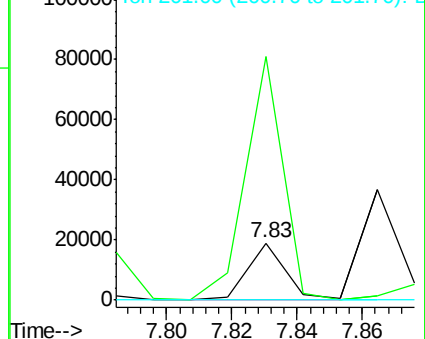
117 100

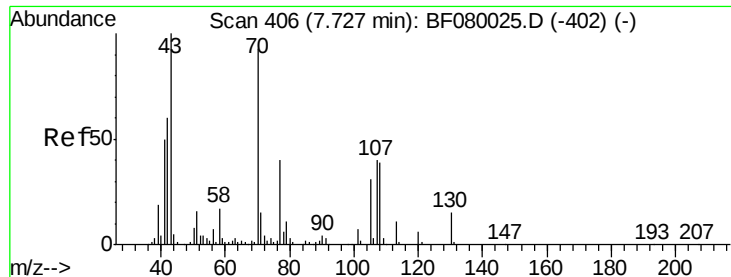
119 425.1 83.8 125.6#

201 0.0 55.1 82.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

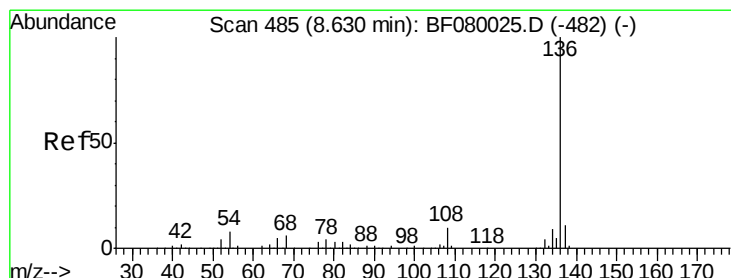
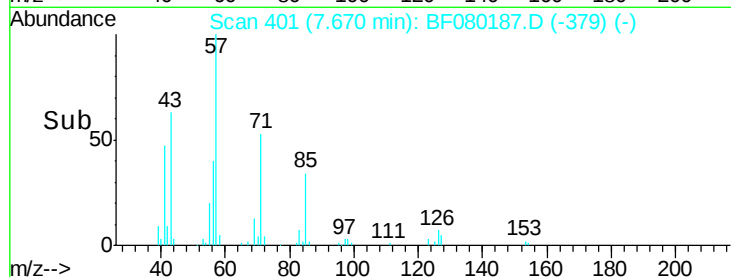
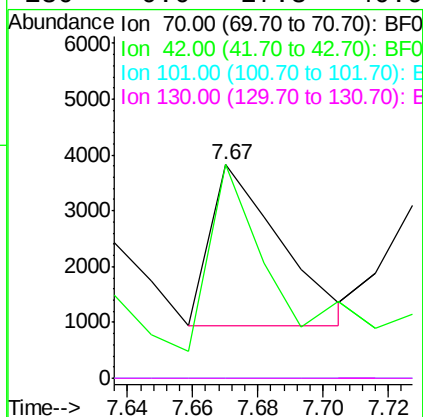
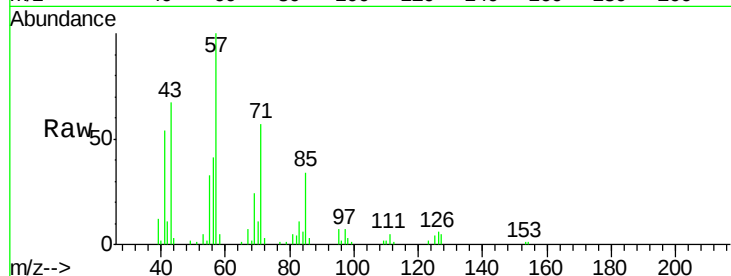




#19
n-Nitroso-di-n-propylamine
Concen: 2.90 ng
RT: 7.67 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

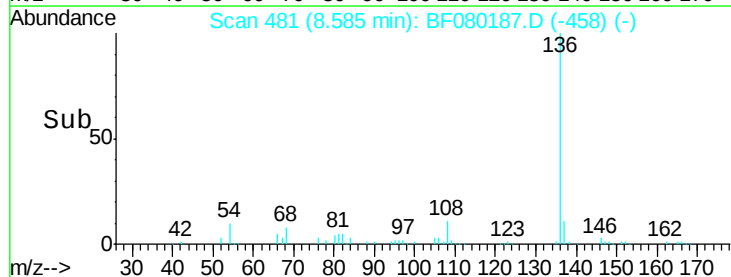
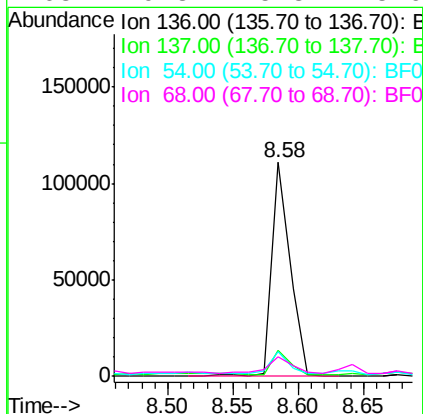
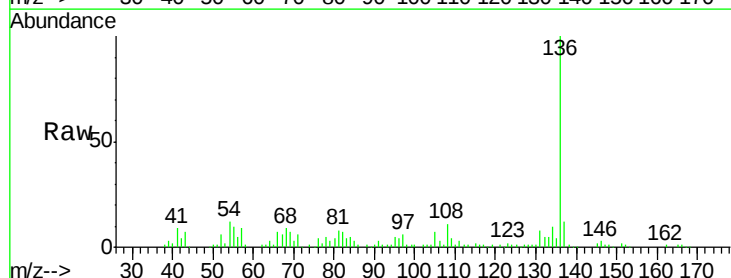
Instrument :
BNA_F
ClientSampled :

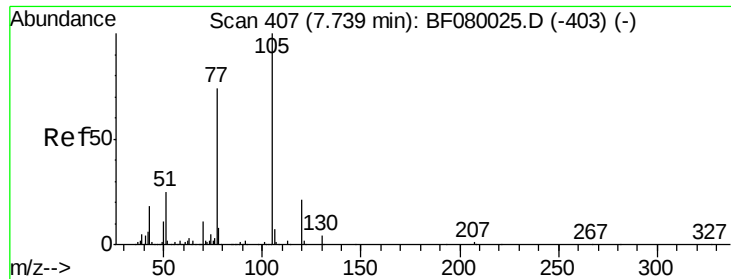
Tot Ion: 70 Resp: 4283
Ion Ratio Lower Upper
70 100
42 100.0 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion: 136 Resp: 109434
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 11.5 8.2 12.2
68 9.3 5.8 8.6#





#22

Acetophenone

Concen: 10.86 ng

RT: 7.69 min Scan# 403

Delta R.T. -0.03 min

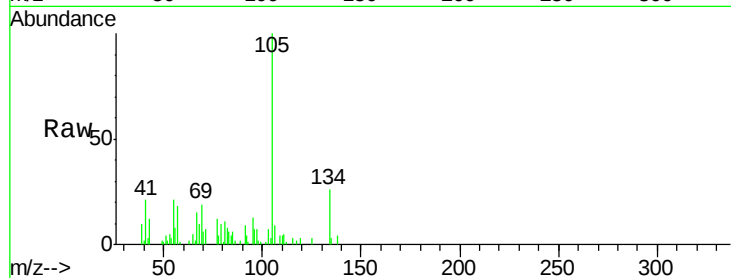
Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

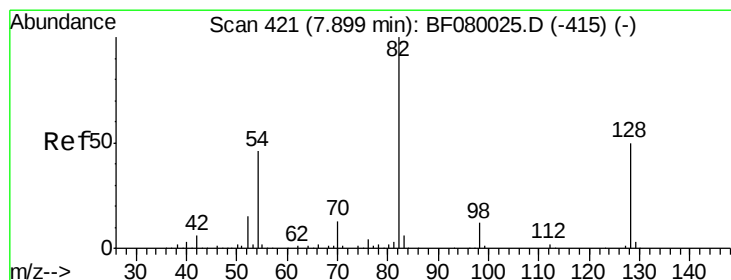
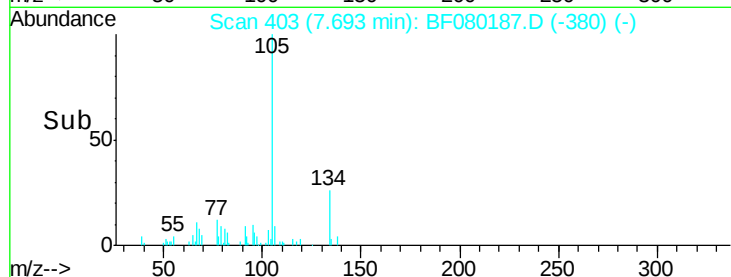
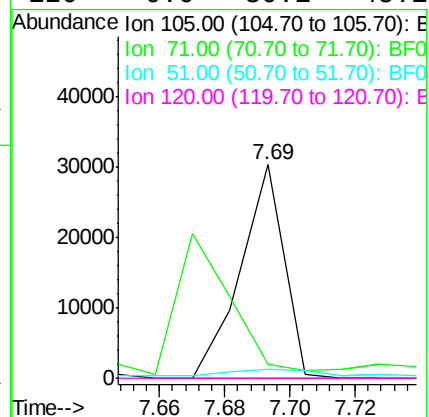
Instrument :

BNA_F

ClientSampleId :



Tot Ion:	105	Resp:	27702
Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.7	7.1
51	4.4	22.0	33.0#
120	0.0	30.1	45.1#



#23

Nitrobenzene-d5

Concen: 18.21 ng

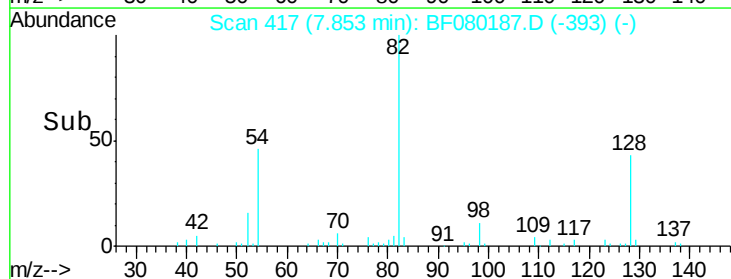
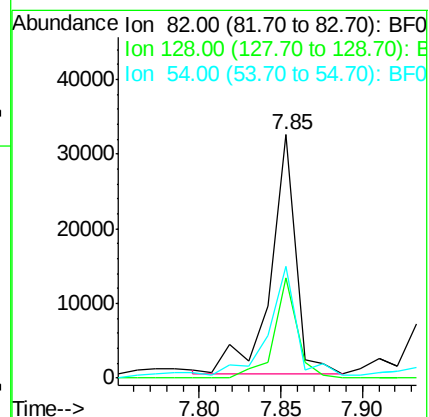
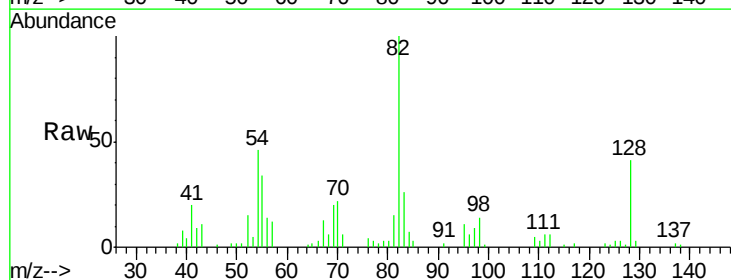
RT: 7.85 min Scan# 417

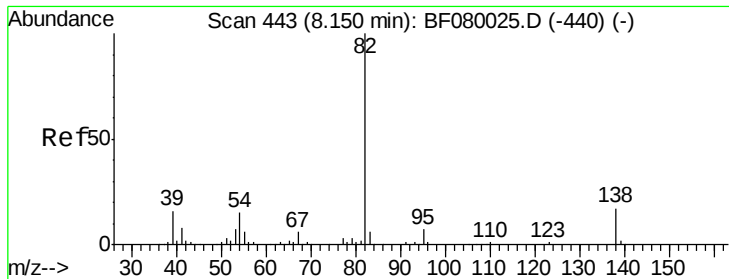
Delta R.T. -0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion:	82	Resp:	34222
Ion	Ratio	Lower	Upper
82	100		
128	41.1	51.0	76.6#
54	45.8	47.5	71.3#





#25

Isophorone

Concen: 2.49 ng

RT: 8.12 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

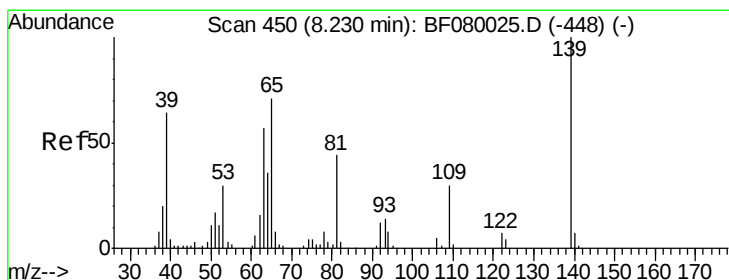
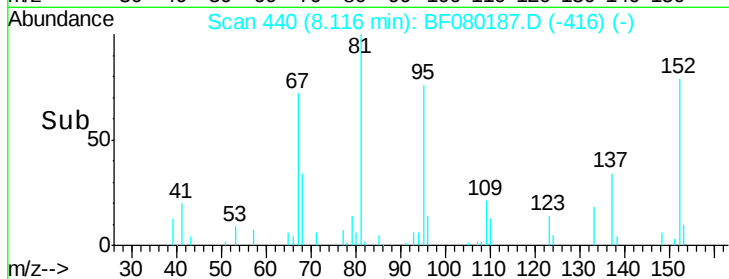
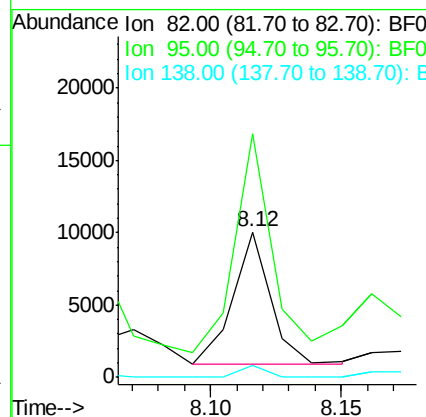
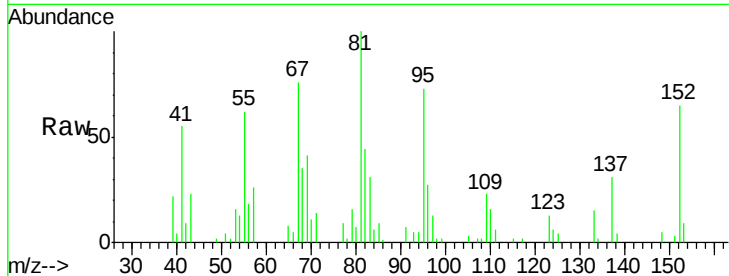
Tot Ion: 82 Resp: 9411

Ion Ratio Lower Upper

82 100

95 167.7 4.0 6.0#

138 8.4 18.3 27.5#



#26

2-Nitrophenol

Concen: 2.28 ng

RT: 8.20 min Scan# 447

Delta R.T. -0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

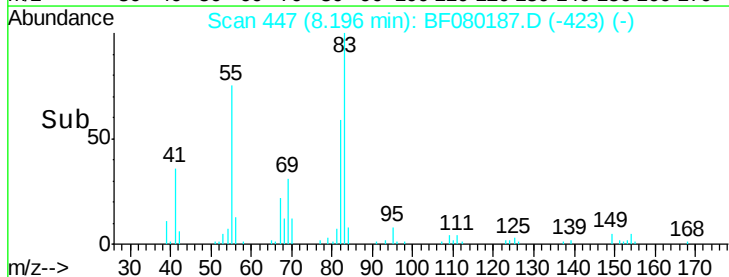
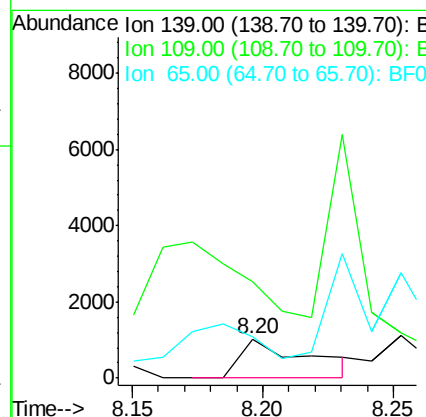
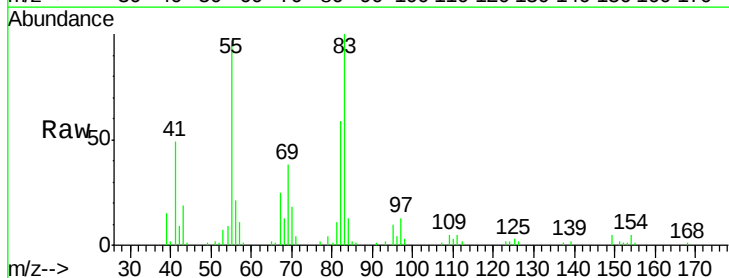
Tgt Ion: 139 Resp: 1848

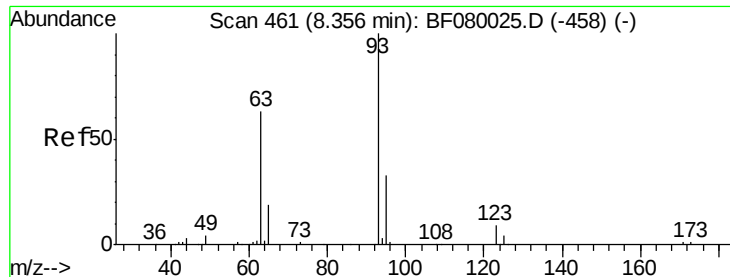
Ion Ratio Lower Upper

139 100

109 248.5 11.0 16.4#

65 105.6 24.7 37.1#





#28

bis(2-Chloroethoxy)methane

Concen: 3.02 ng

RT: 8.09 min Scan# 438

Delta R.T. -0.24 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

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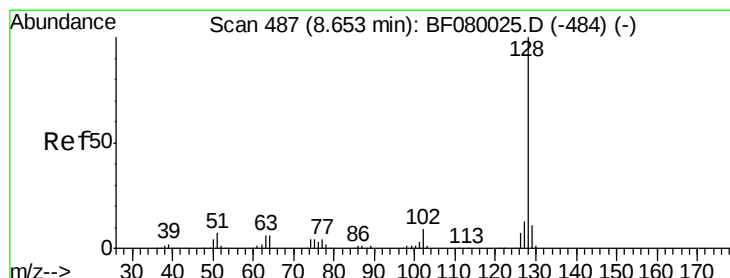
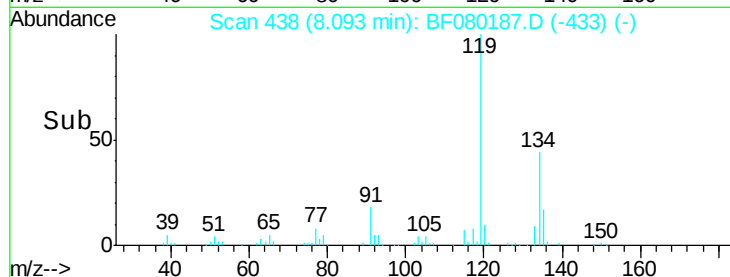
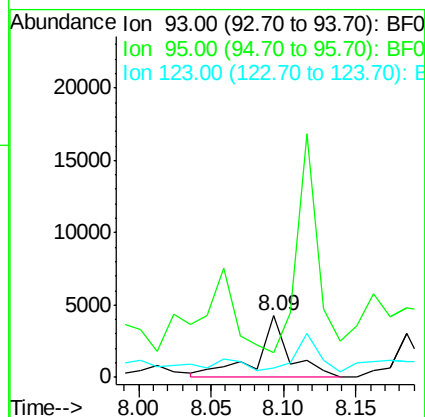
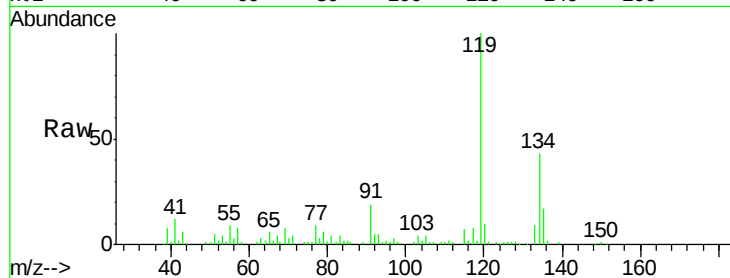
Tot Ion: 93 Resp: 6712

Ion Ratio Lower Upper

93 100

95 40.9 27.5 41.3

123 14.5 13.7 20.5



#31

Naphthalene

Concen: 11.59 ng

RT: 8.61 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

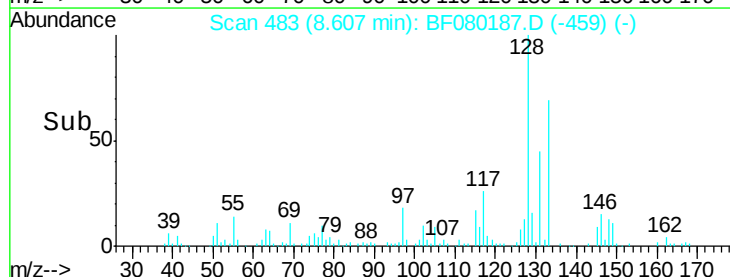
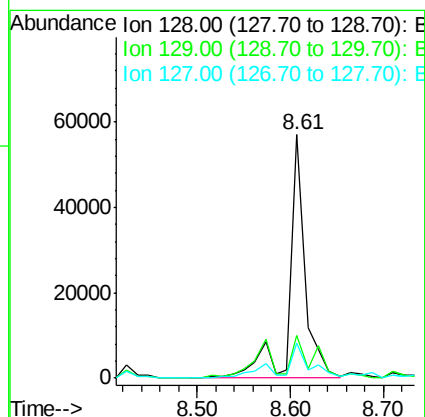
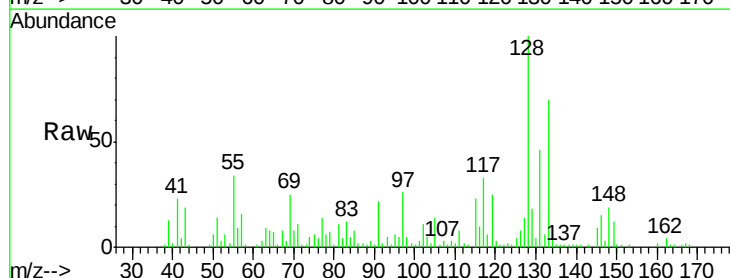
Tgt Ion: 128 Resp: 66327

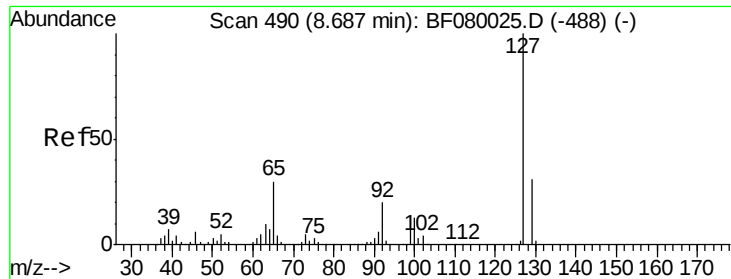
Ion Ratio Lower Upper

128 100

129 17.7 8.4 12.6#

127 14.1 9.9 14.9

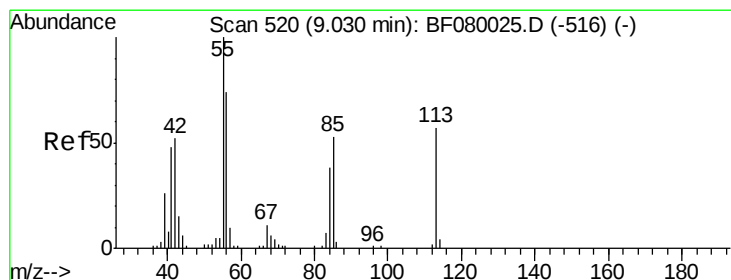
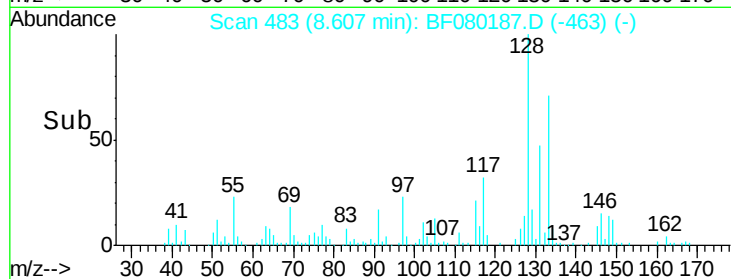
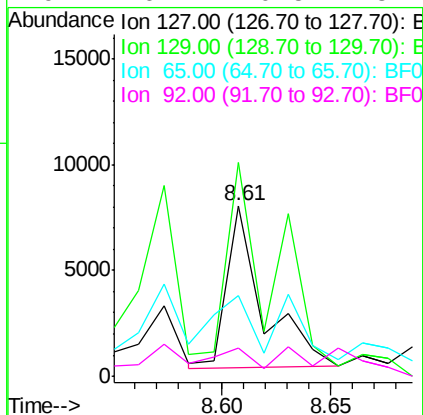
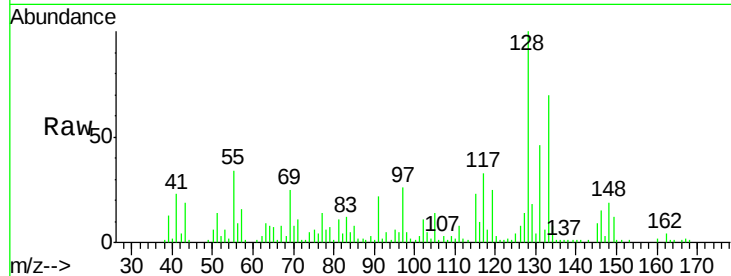




#33
4-Chloroaniline
Concen: 3.63 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.07 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

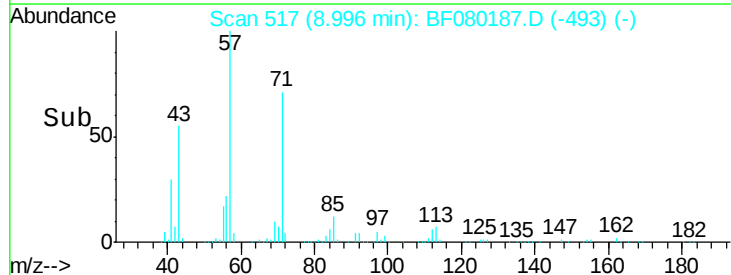
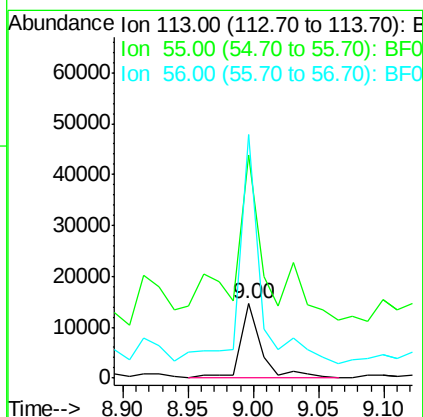
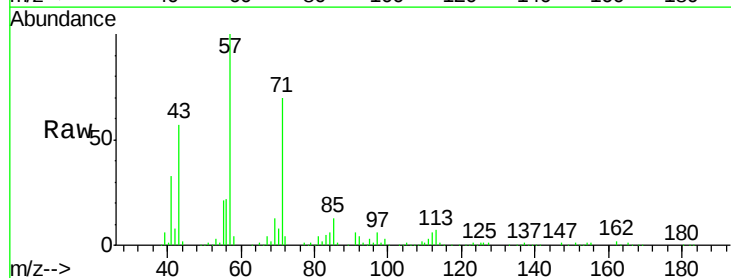
Instrument :
BNA_F
ClientSampled :

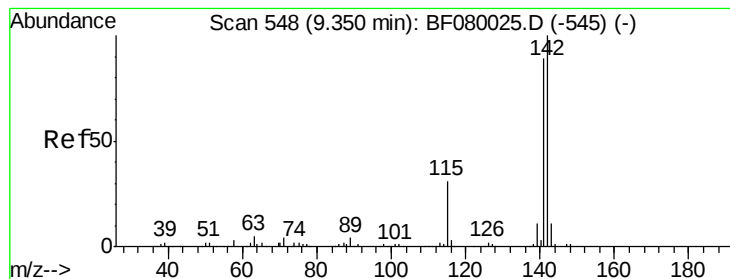
Tot Ion:127 Resp: 8881
Ion Ratio Lower Upper
127 100
129 125.4 25.8 38.6#
65 47.0 17.9 26.9#
92 16.4 10.5 15.7#



#35
Caprolactam
Concen: 34.28 ng
RT: 9.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion:113 Resp: 16135
Ion Ratio Lower Upper
113 100
55 301.3 152.4 192.4#
56 327.9 104.6 144.6#

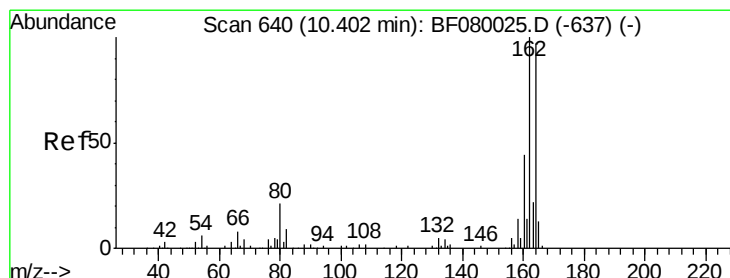
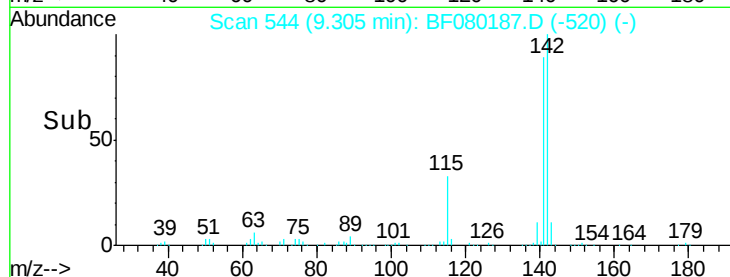
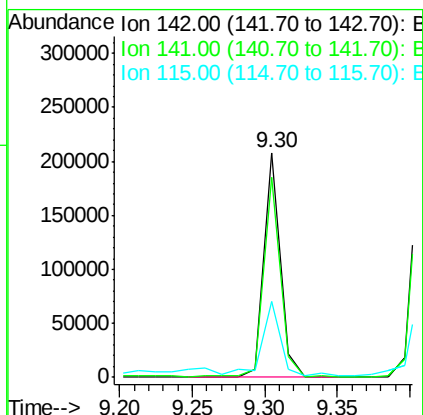
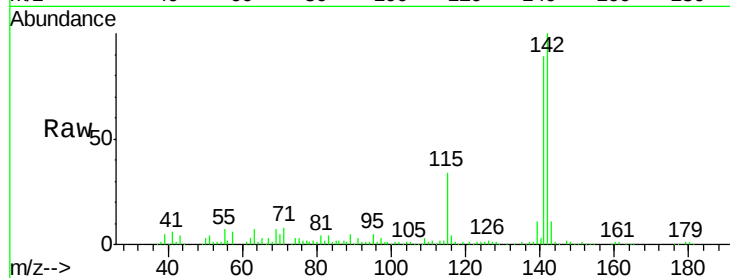




#37
2-Methylnaphthalene
Concen: 44.40 ng
RT: 9.30 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

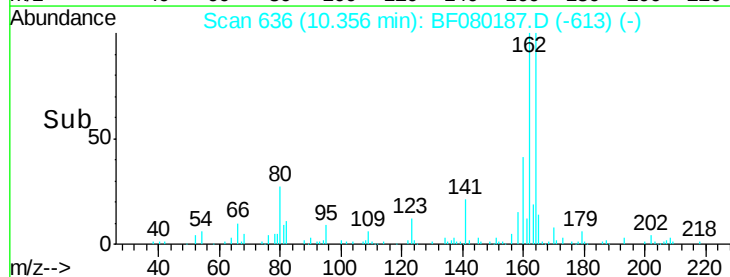
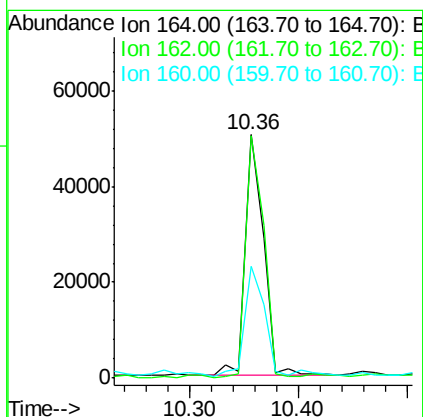
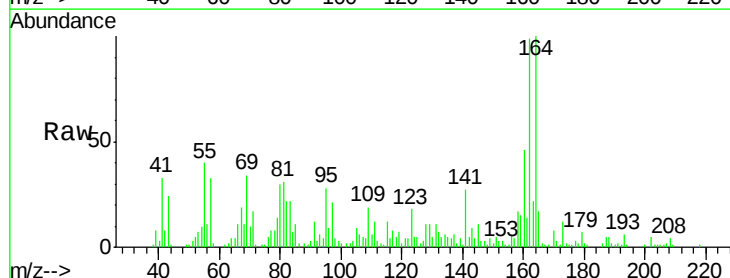
Instrument :
BNA_F
ClientSampleId :

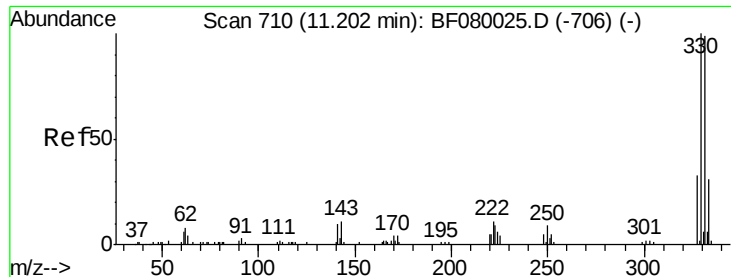
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	67.5	101.3
115	33.8	18.2	27.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	75.2	112.8
160	45.7	31.5	47.3

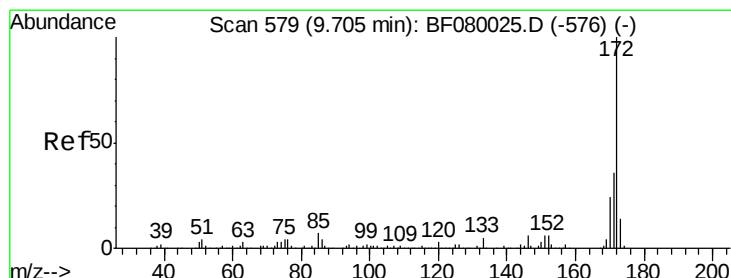
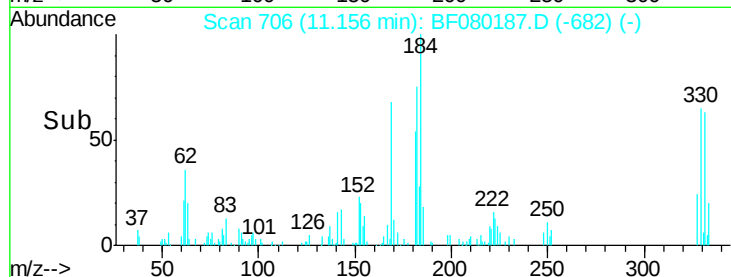
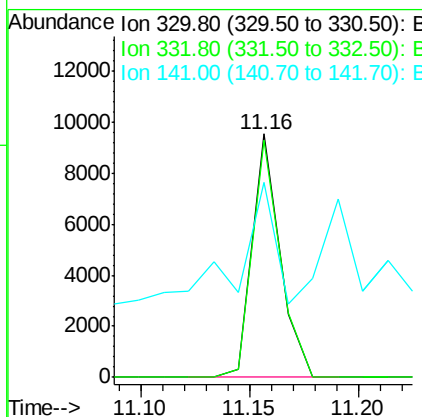
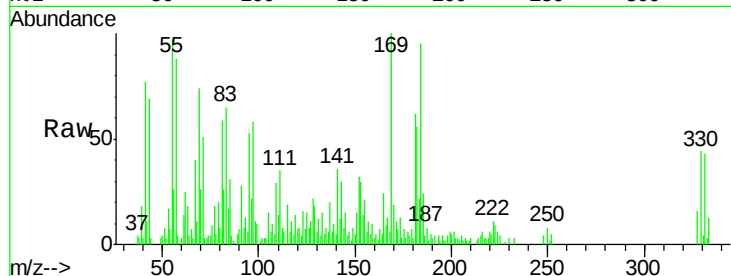




#41
 2,4,6-Tribromophenol
 Concen: 14.81 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

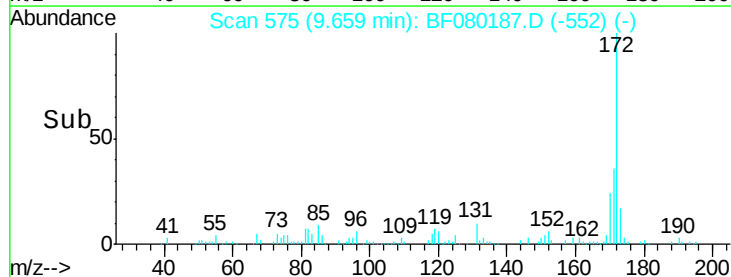
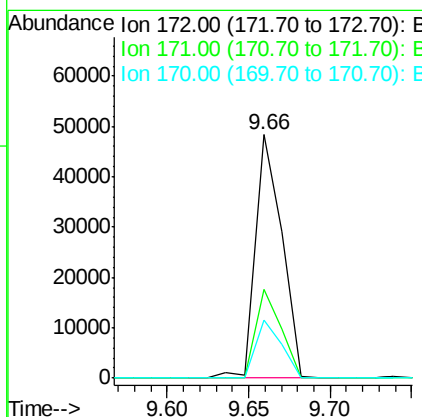
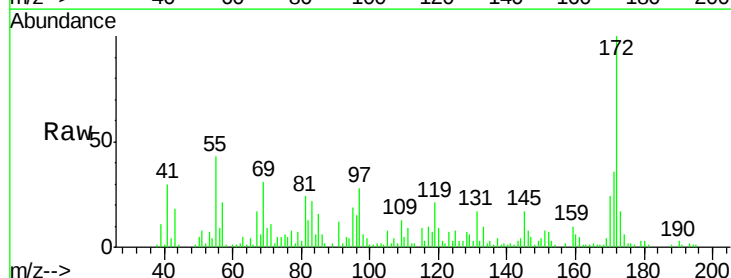
Instrument :
 BNA_F
 ClientSampleId :

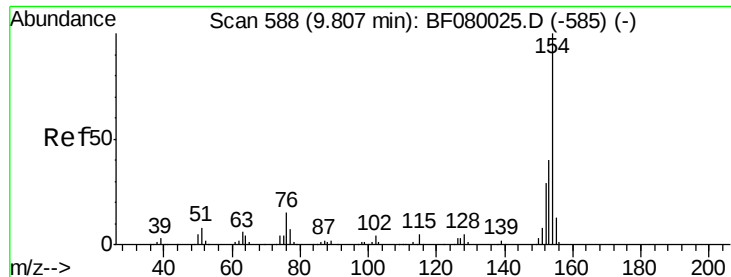
Tot Ion:330 Resp: 8482
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 63.5 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 13.28 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Tgt Ion:172 Resp: 54556
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 23.8 17.4 26.2





#45

1,1'-Biphenyl

Concen: 10.09 ng

RT: 9.77 min Scan# 585

Delta R.T. -0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampled :

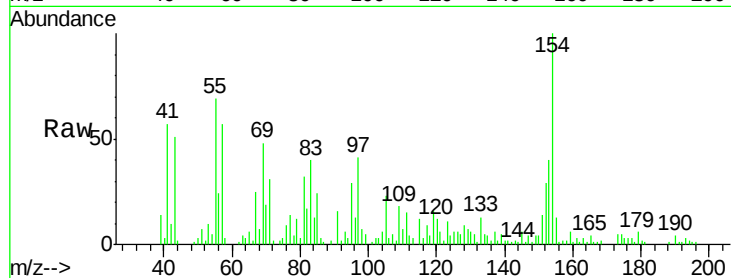
Tot Ion:154 Resp: 48083

Ion Ratio Lower Upper

154 100

153 39.9 17.1 57.1

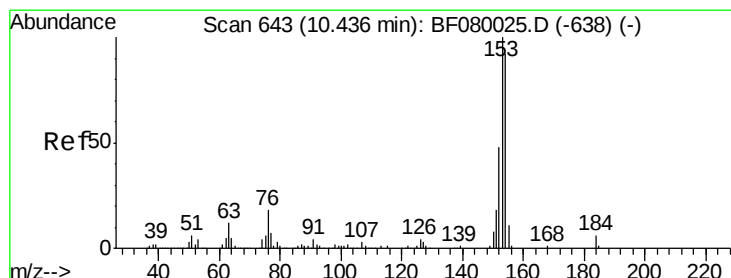
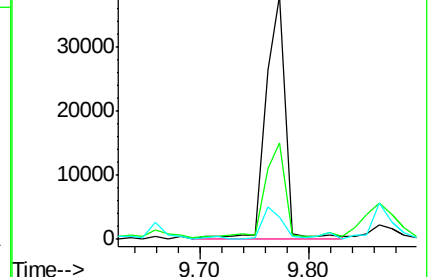
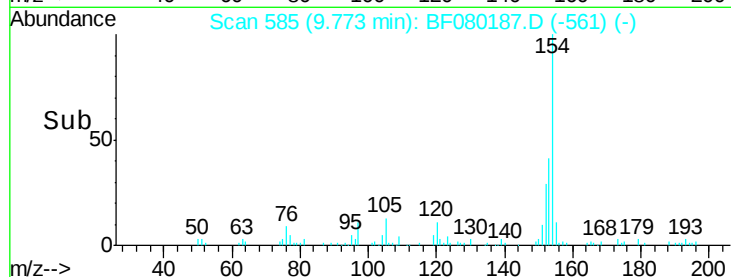
76 8.9 0.0 31.6



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



#51

Acenaphthene

Concen: 3.74 ng

RT: 10.39 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

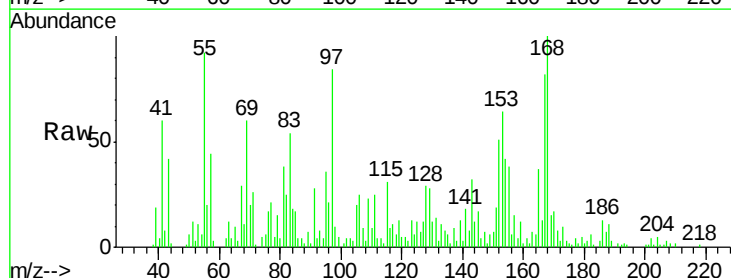
Tgt Ion:154 Resp: 14775

Ion Ratio Lower Upper

154 100

153 153.2 82.1 123.1#

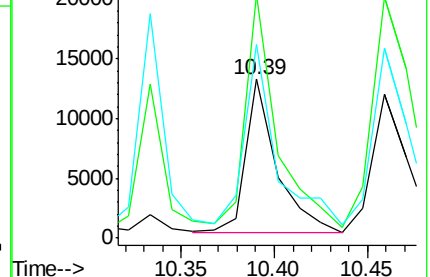
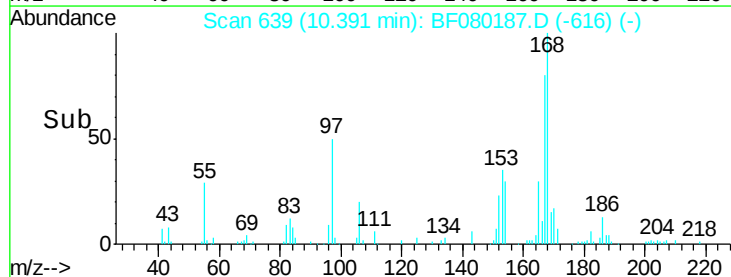
152 121.8 37.9 56.9#

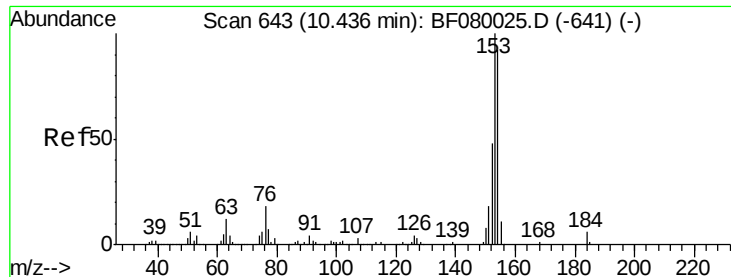


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

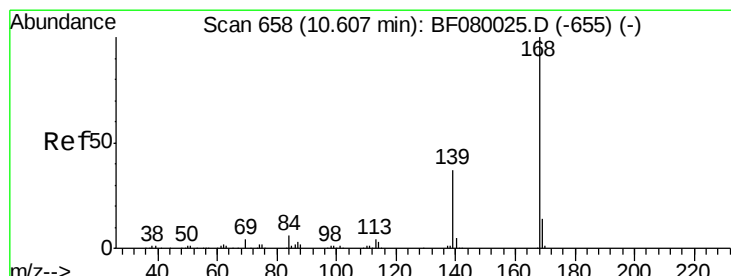
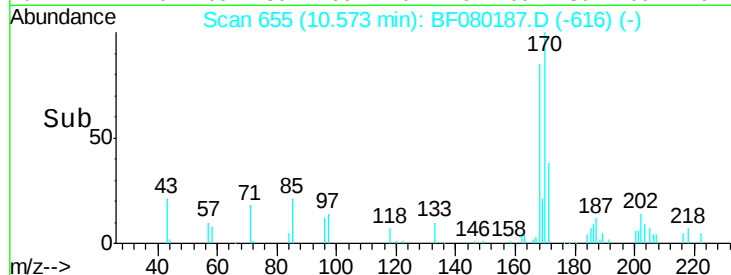
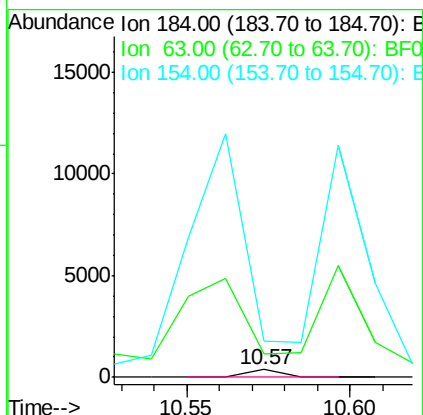
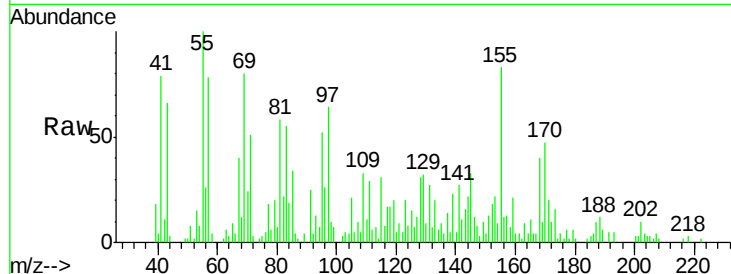




#53
2,4-Dinitrophenol
Concen: 6.52 ng
RT: 10.57 min Scan# 655
Delta R.T. 0.15 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

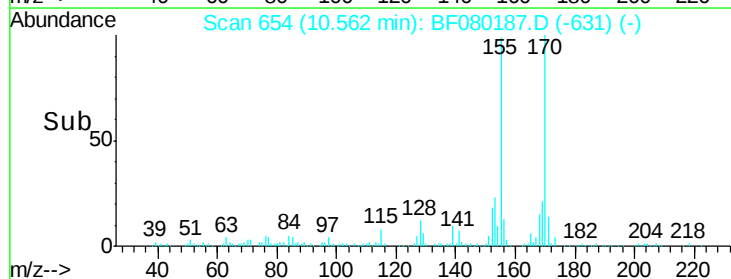
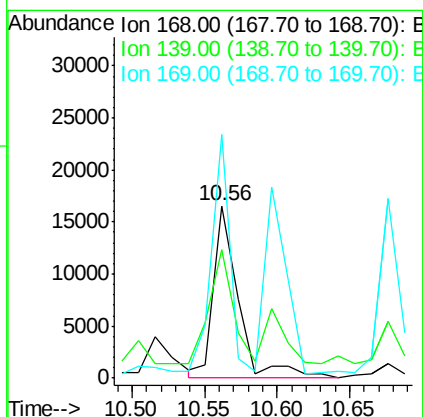
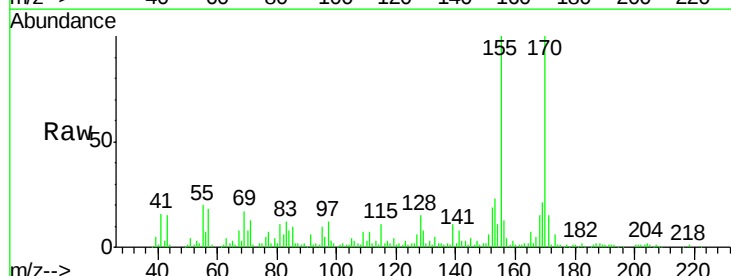
Instrument :
BNA_F
ClientSampleId :

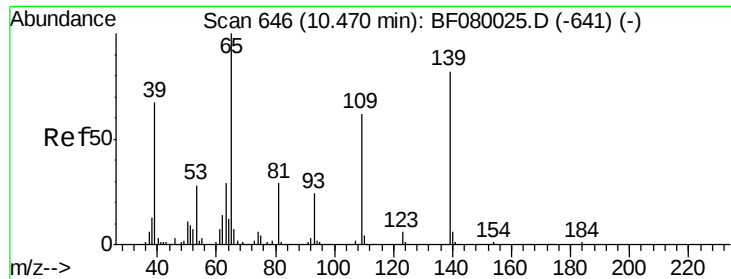
Tot Ion:184 Resp: 265
Ion Ratio Lower Upper
184 100
63 302.8 35.4 53.2#
154 460.9 32.2 48.4#



#54
Dibenzofuran
Concen: 3.54 ng
RT: 10.56 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion:168 Resp: 19808
Ion Ratio Lower Upper
168 100
139 74.7 24.2 36.2#
169 141.5 10.6 15.8#





#55

4-Nitrophenol

Concen: 12.20 ng

RT: 10.46 min Scan# 645

Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

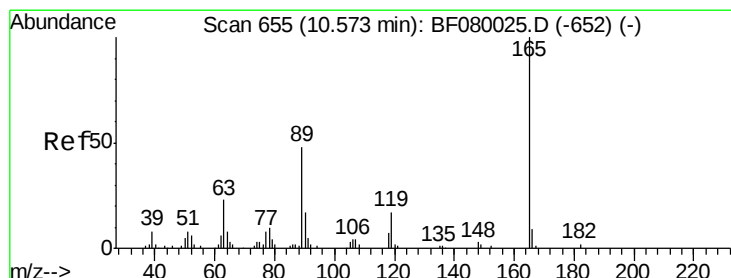
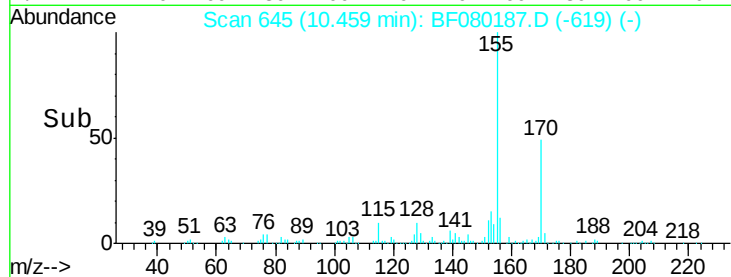
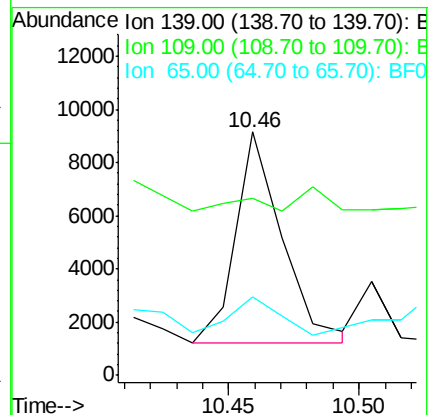
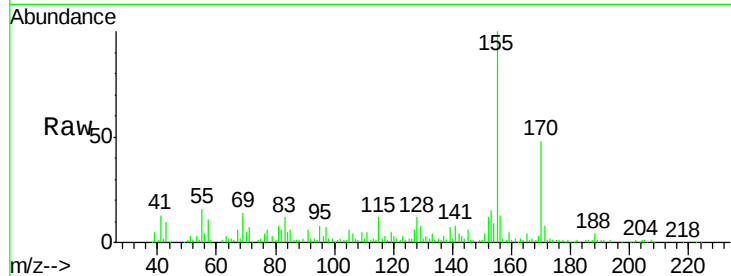
Tot Ion:139 Resp: 9929

Ion Ratio Lower Upper

139 100

109 72.6 12.7 52.7#

65 32.3 45.9 85.9#



#56

2,4-Dinitrotoluene

Concen: 10.75 ng

RT: 10.56 min Scan# 654

Delta R.T. 0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion:165 Resp: 12038

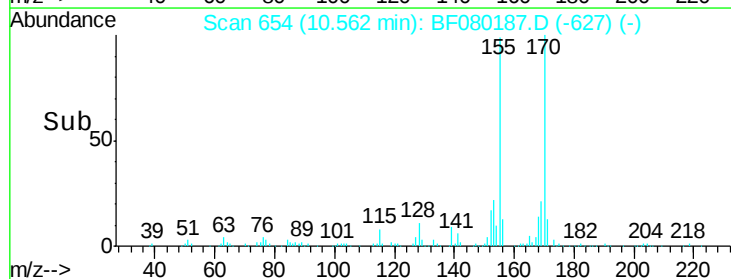
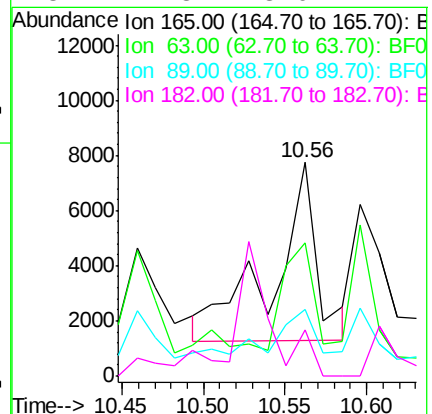
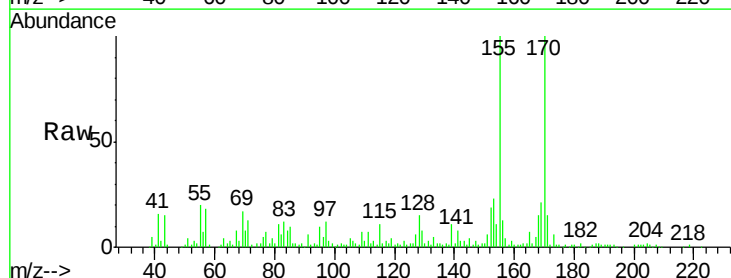
Ion Ratio Lower Upper

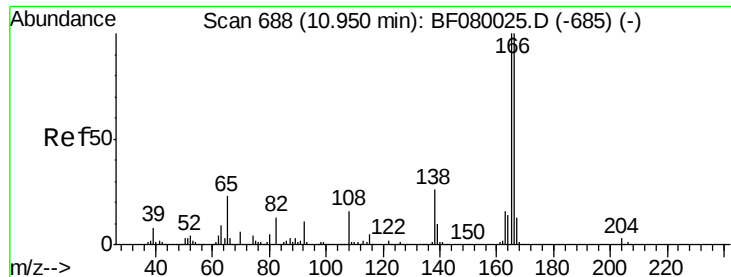
165 100

63 62.5 29.8 44.6#

89 31.3 44.5 66.7#

182 21.8 3.0 4.4#

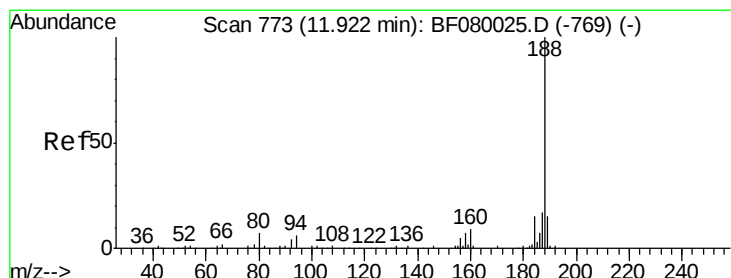
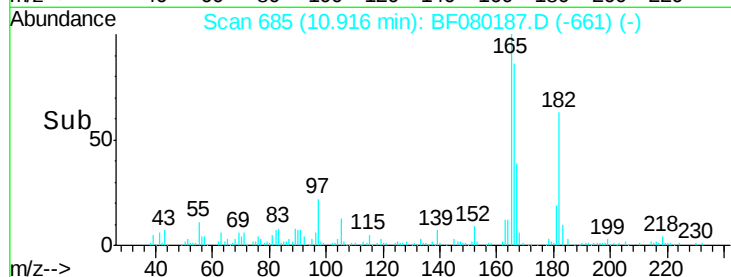
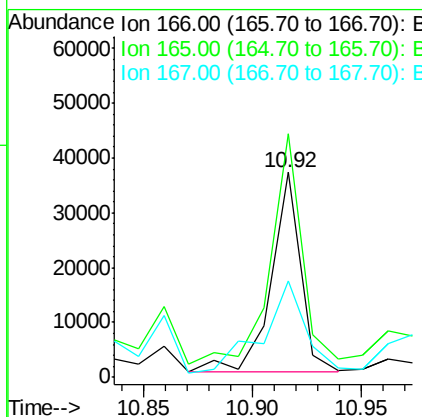
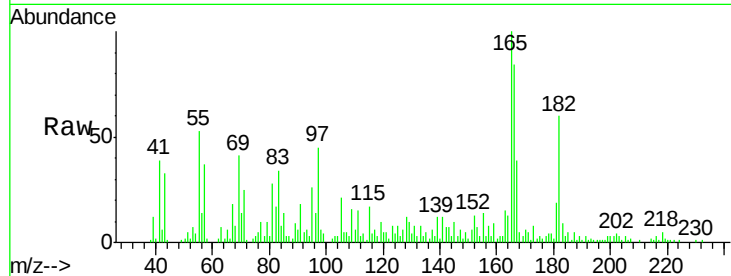




#57
 Fluorene
 Concen: 7.85 ng
 RT: 10.92 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

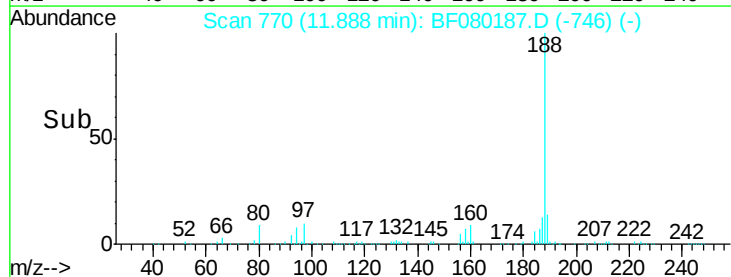
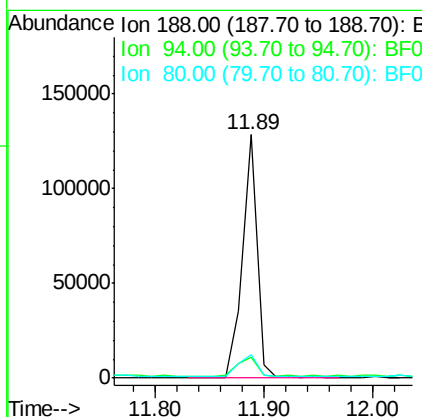
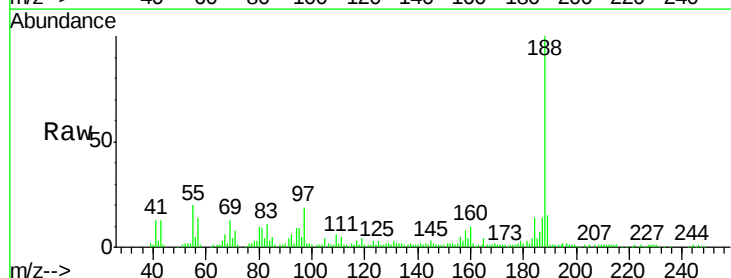
Instrument :
 BNA_F
 ClientSampled :

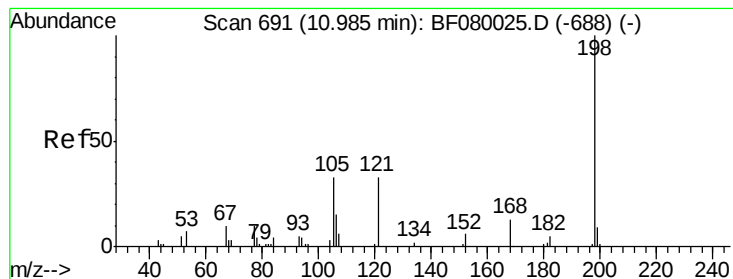
Tot Ion:166 Resp: 34879
 Ion Ratio Lower Upper
 166 100
 165 118.8 72.6 109.0#
 167 46.7 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.02 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Tgt Ion:188 Resp: 120220
 Ion Ratio Lower Upper
 188 100
 94 8.8 11.1 16.7#
 80 9.8 11.0 16.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.48 ng

RT: 10.98 min Scan# 691

Delta R.T. 0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

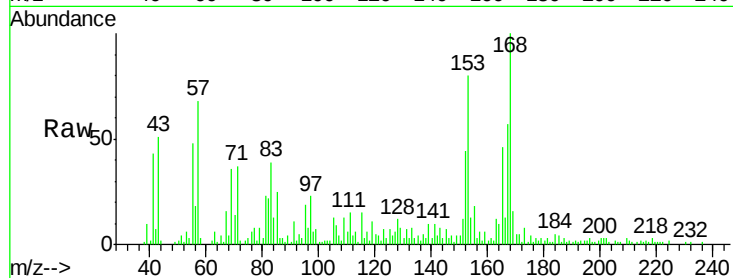
Tot Ion:198 Resp: 479

Ion Ratio Lower Upper

198 100

51 590.0 39.6 79.6#

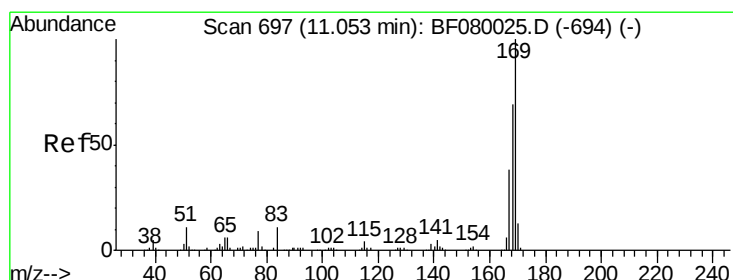
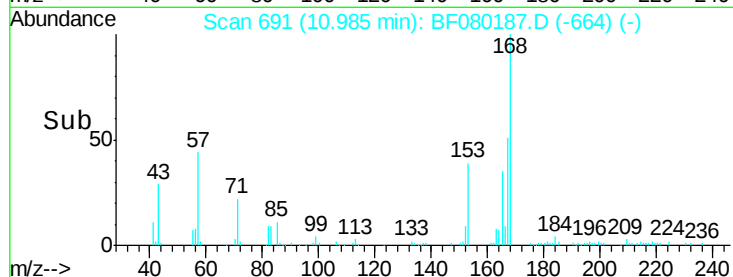
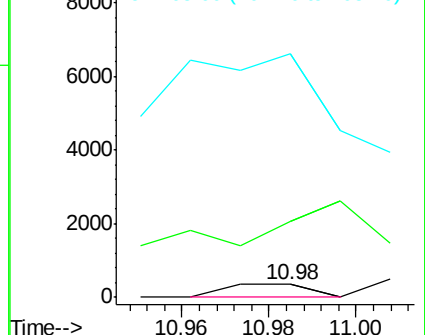
105 1882.9 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 16.59 ng

RT: 11.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

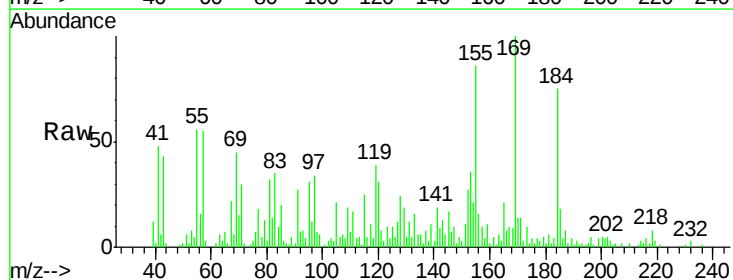
Tgt Ion:169 Resp: 64939

Ion Ratio Lower Upper

169 100

168 8.6 48.9 73.3#

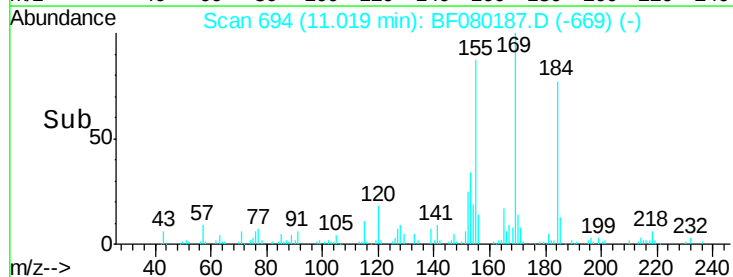
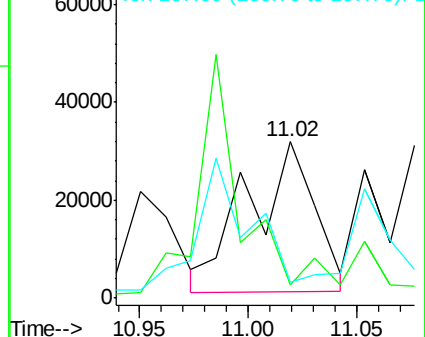
167 10.2 26.2 39.4#

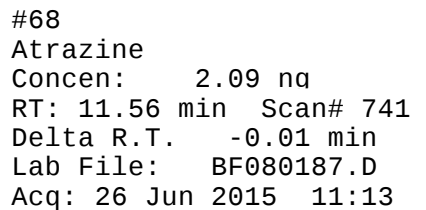


Abundance Ion 169.00 (168.70 to 169.70): E

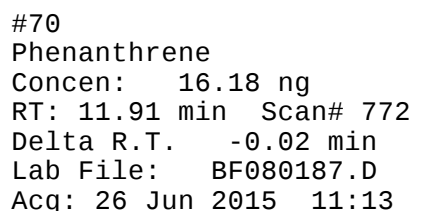
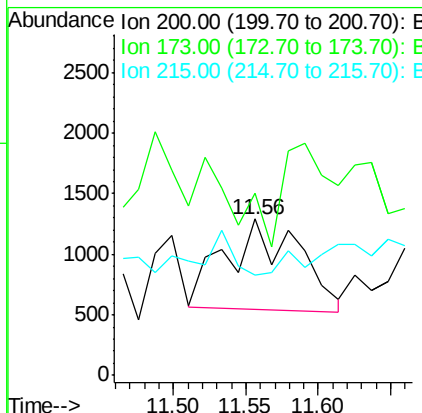
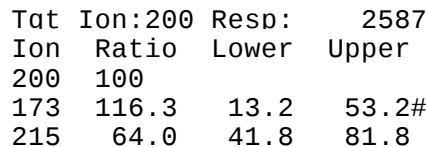
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

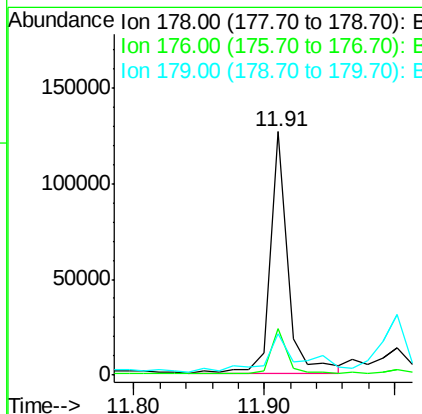


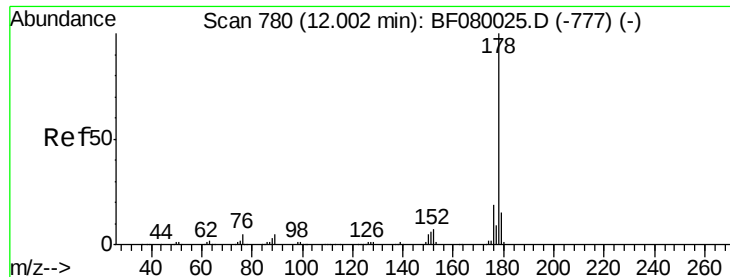


Instrument :
BNA_F
ClientSampleId :



Tgt	Ion:178	Resp:	117790
Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.8	20.8
179	17.2	12.2	18.2





#71

Anthracene

Concen: 16.81 ng

RT: 11.91 min Scan# 772

Delta R.T. -0.08 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

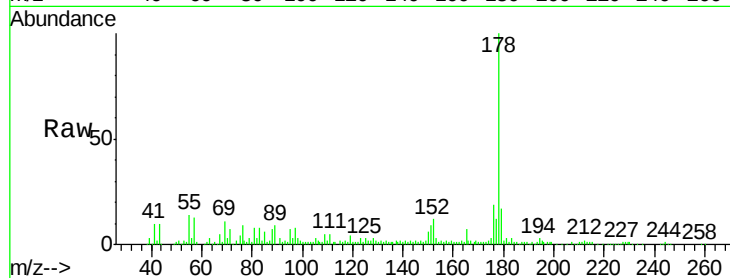
Tot Ion:178 Resp: 117790

Ion Ratio Lower Upper

178 100

176 19.0 14.1 21.1

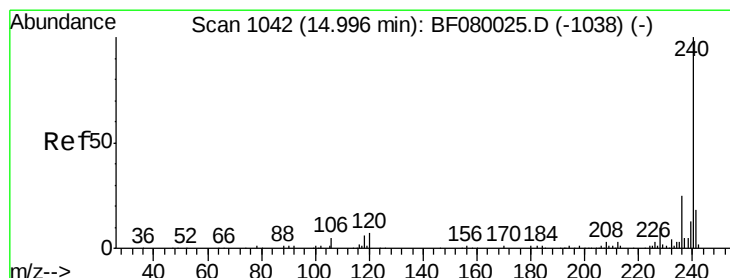
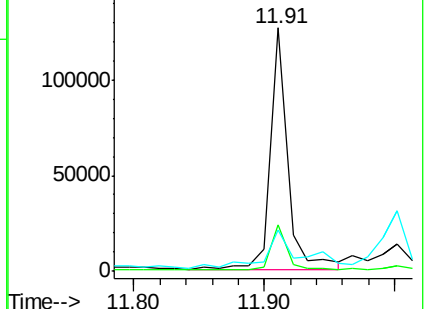
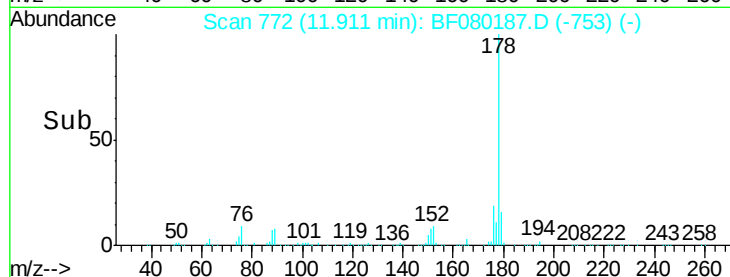
179 17.2 12.2 18.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1044

Delta R.T. 0.02 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

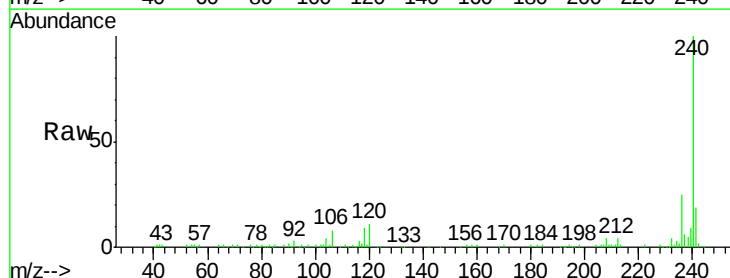
Tgt Ion:240 Resp: 126137

Ion Ratio Lower Upper

240 100

120 10.9 16.2 24.2#

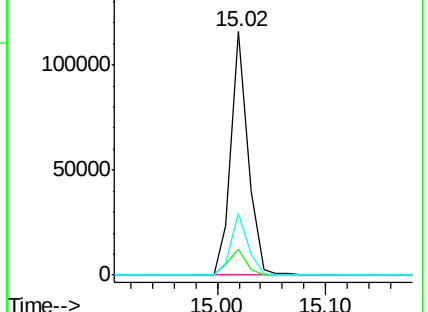
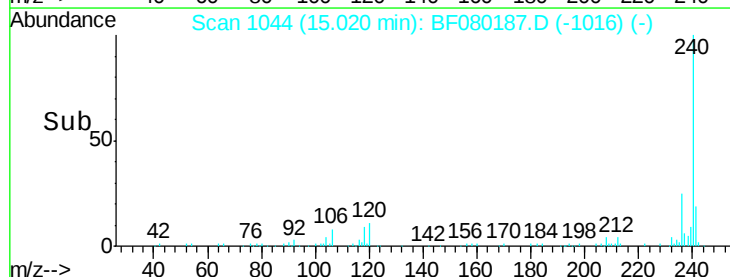
236 25.2 18.4 27.6

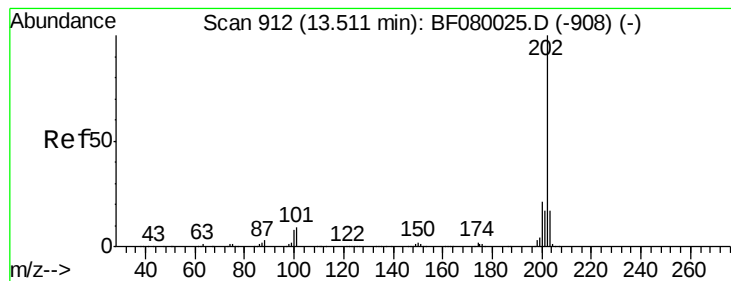


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.02 ng

RT: 13.50 min Scan# 911

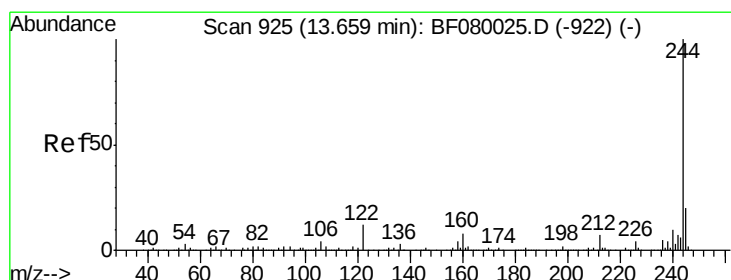
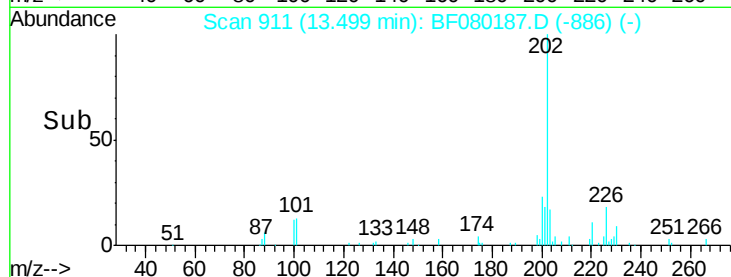
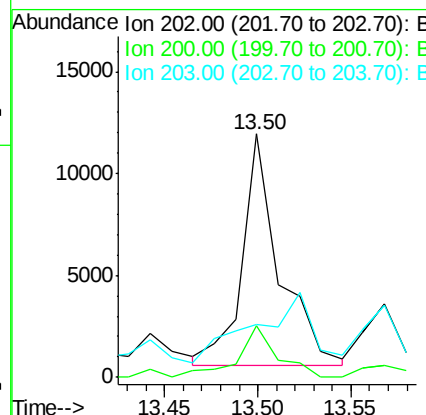
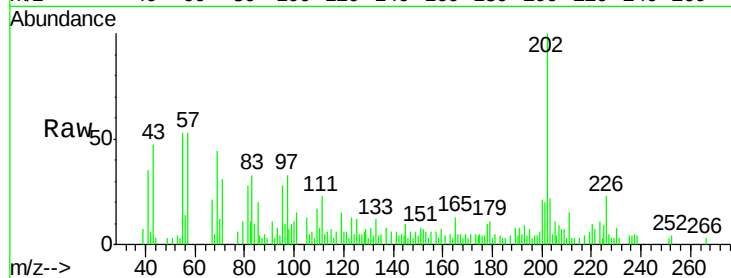
Delta R.T. -0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	15693
Ion	Ratio	Lower	Upper
202	100		
200	21.2	15.0	22.4
203	21.8	14.1	21.1#



#78

Terphenyl-d14

Concen: 12.69 ng

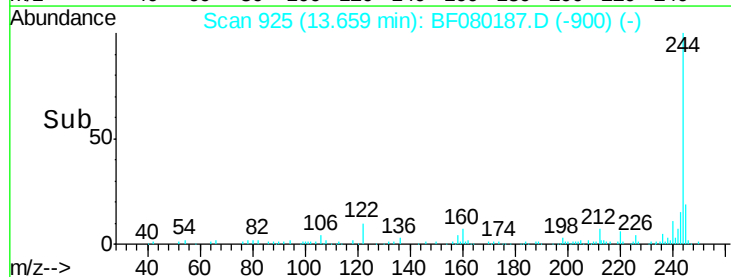
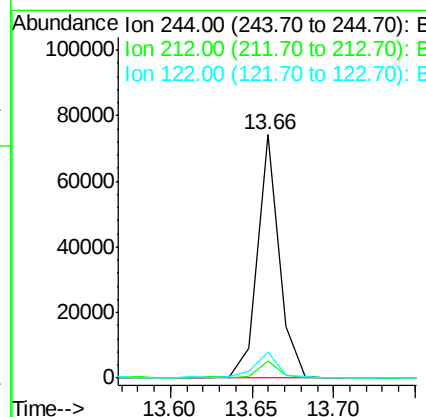
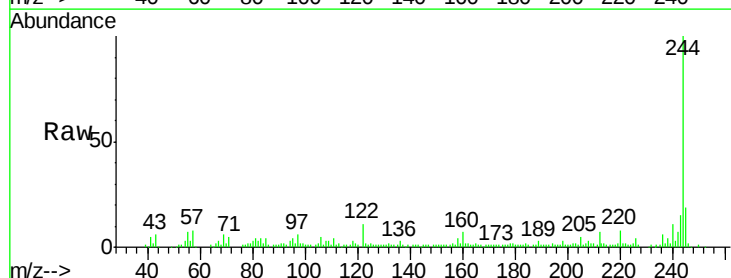
RT: 13.66 min Scan# 925

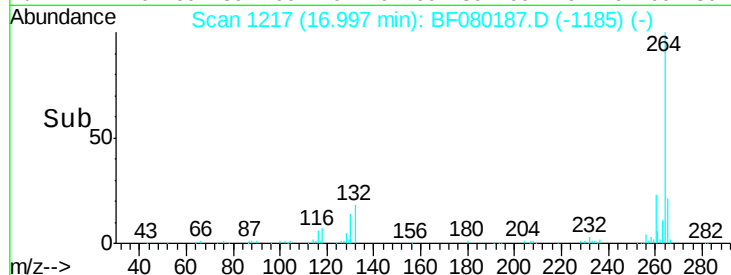
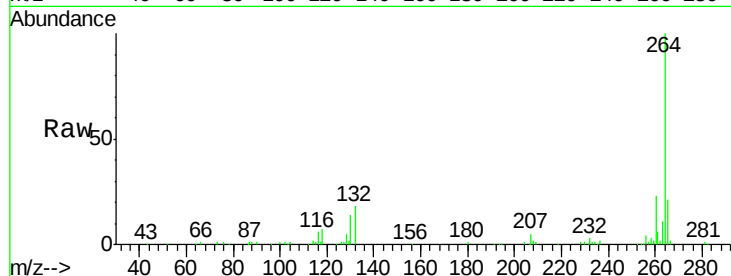
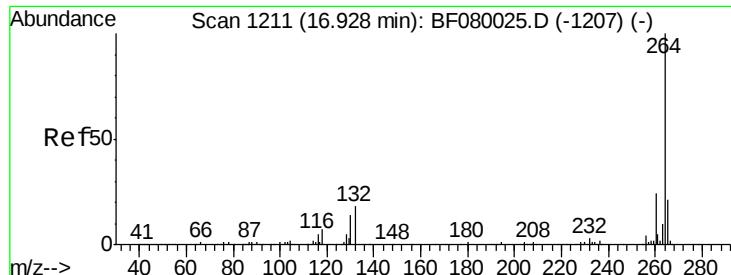
Delta R.T. -0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion:	244	Resp:	68563
Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.3	6.5#
122	10.9	17.4	26.2#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.00 min Scan# 1217
Delta R.T. 0.07 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	124966
Ion	Ratio	Lower	Upper
264	100		
260	23.2	16.7	25.1
265	21.3	17.2	25.8

