

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083946.D
 Acq On : 19 Dec 2015 7:02
 Operator : UM/SJ
 Sample : G4840-11
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

Quant Time: Dec 21 01:13:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	52223	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	185826	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	94481	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	146299	20.00	ng	0.00
75) Chrysene-d12	14.02	240	115490	20.00	ng	-0.01
86) Perylene-d12	15.46	264	102991	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	208325	62.43	ng	0.00
7) Phenol-d6	6.51	99	155819	38.15	ng	0.00
23) Nitrobenzene-d5	7.42	82	317164	97.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	114260	109.77	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	678712	104.64	ng	-0.01
78) Terphenyl-d14	12.97	244	486541	99.57	ng	-0.01

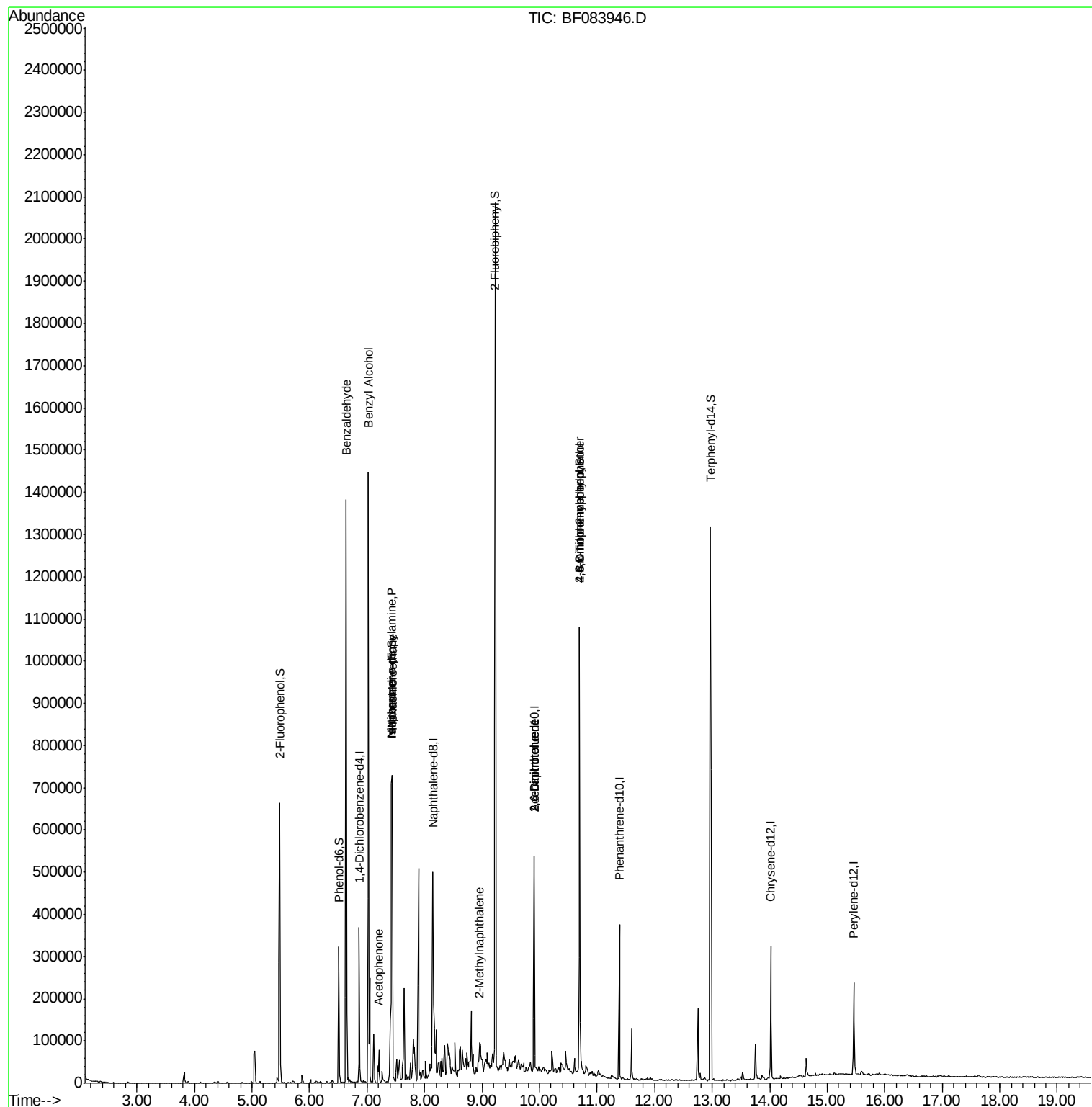
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	8898	3.62	ng	# 82
14) 1,2-Dichlorobenzene	7.04	146	571	Below Cal		# 74
15) Benzyl Alcohol	7.02	79	7389	2.39	ng	# 41
18) Hexachloroethane	7.44	117	83028	51.89	ng	# 6
19) n-Nitroso-di-n-propylamine	7.42	70	43445	18.25	ng	# 76
22) Acetophenone	7.21	105	20155	4.51	ng	# 69
25) Isophorone	7.42	82	284480	46.44	ng	# 66
31) Naphthalene	8.14	128	6542	Below Cal		# 1
36) 4-Chloro-3-methylphenol	8.70	107	871	Below Cal		# 20
37) 2-Methylnaphthalene	8.96	142	14609	2.26	ng	# 84
45) 1,1'-Biphenyl	9.23	154	1320	Below Cal		# 1
46) 2-Chloronaphthalene	9.40	162	580	Below Cal		# 19
50) 2,6-Dinitrotoluene	9.90	165	12477	7.21	ng	# 40
56) 2,4-Dinitrotoluene	9.90	165	12704	5.73	ng	# 24
57) Fluorene	10.45	166	3561	Below Cal		# 98
64) 4,6-Dinitro-2-methylphenol	10.69	198	247	4.18	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	8501	4.75	ng	# 1
77) Pyrene	12.83	202	245	Below Cal		# 57

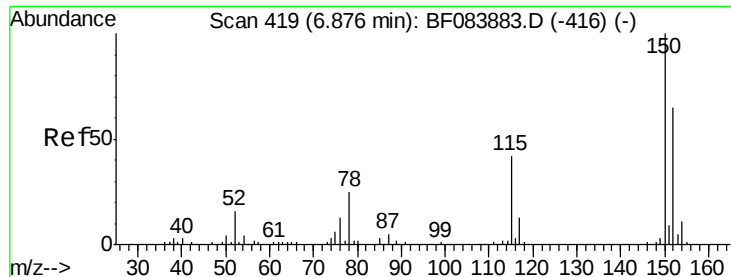
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 18 14:23:22 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

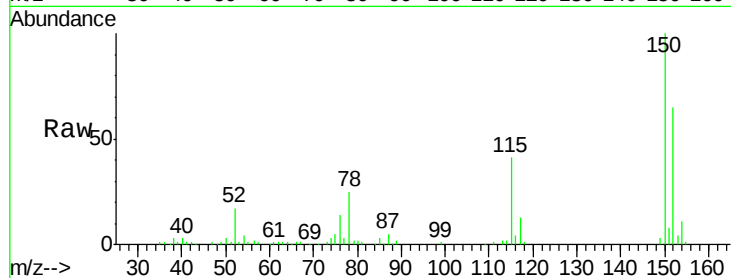
Tgt Ion:152 Resp: 52223

Ion Ratio Lower Upper

152 100

150 153.9 123.0 184.4

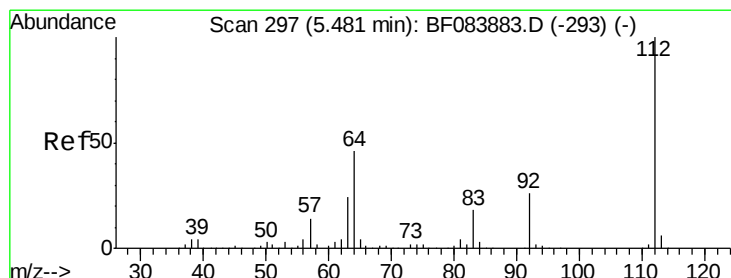
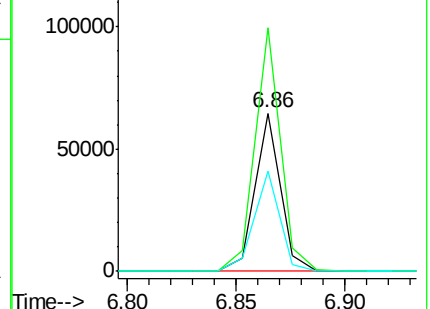
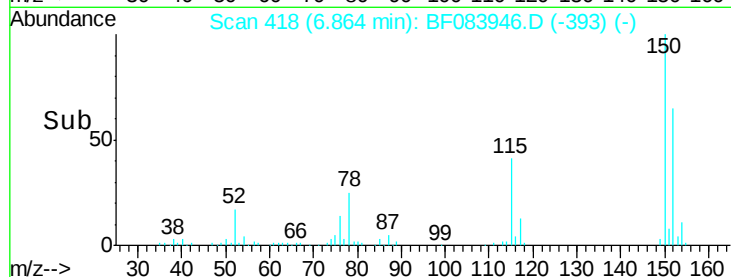
115 63.4 51.4 77.2



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: 62.43 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

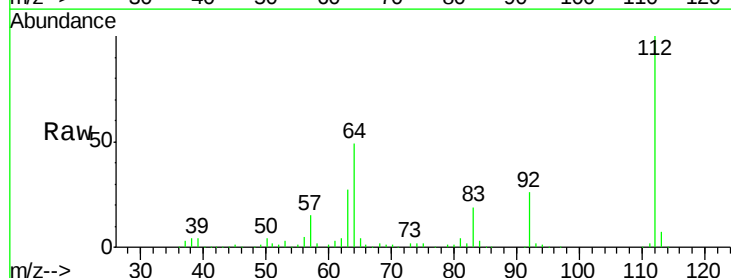
Tgt Ion:112 Resp: 208325

Ion Ratio Lower Upper

112 100

64 49.1 36.6 55.0

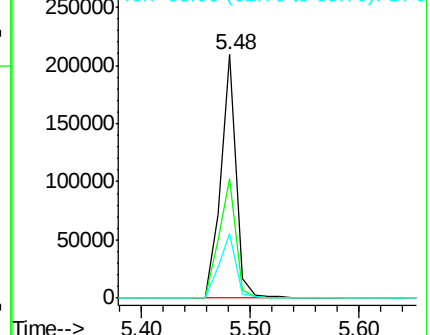
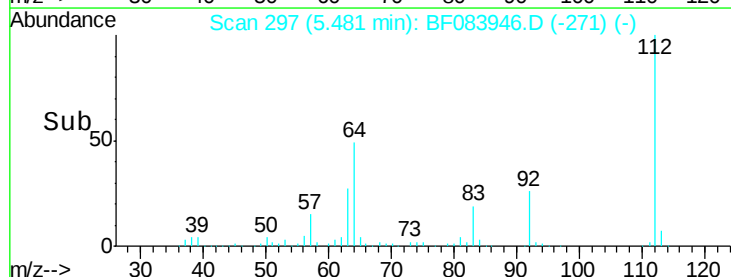
63 26.6 19.4 29.0

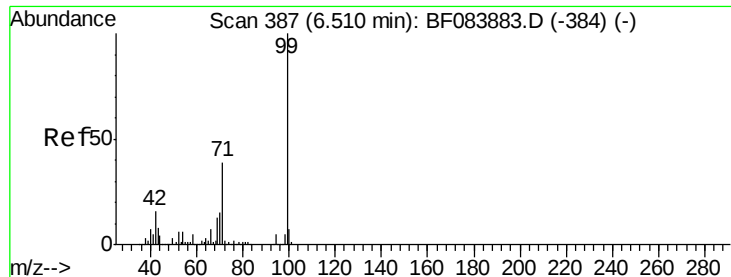


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.15 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

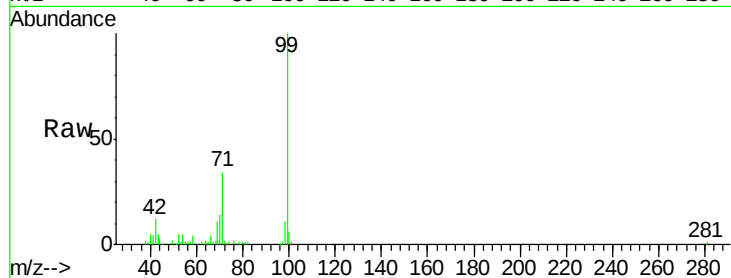
Tgt Ion: 99 Resp: 155819

Ion Ratio Lower Upper

99 100

42 12.4 12.8 19.2#

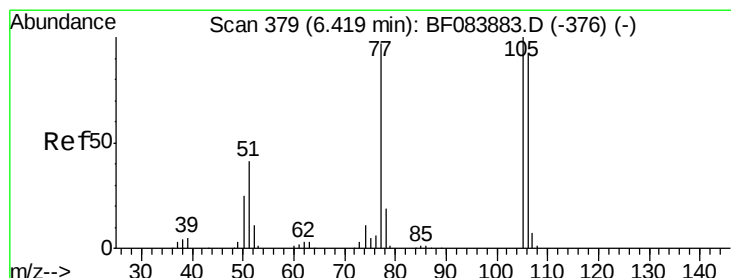
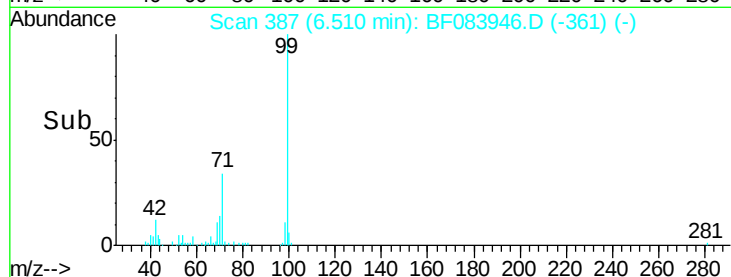
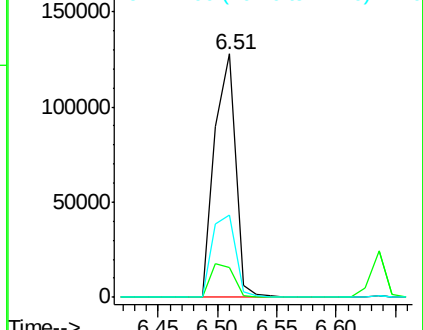
71 33.9 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.62 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.22 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

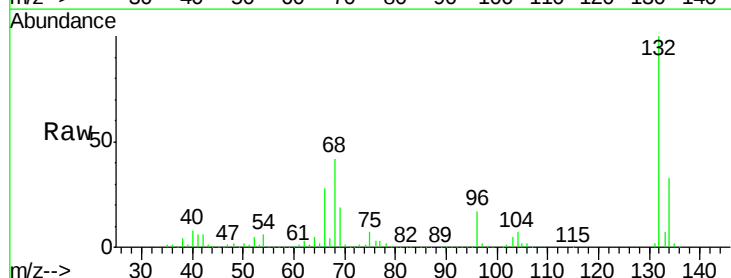
Tgt Ion: 77 Resp: 8898

Ion Ratio Lower Upper

77 100

105 81.1 83.0 123.0#

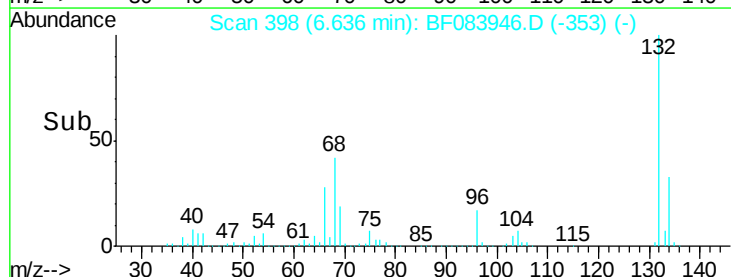
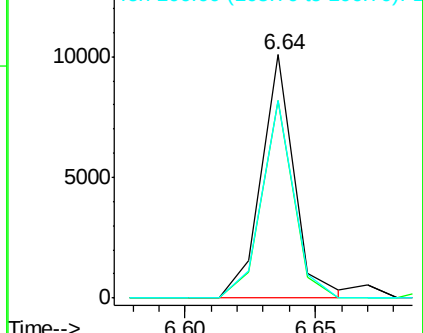
106 81.3 74.6 114.6

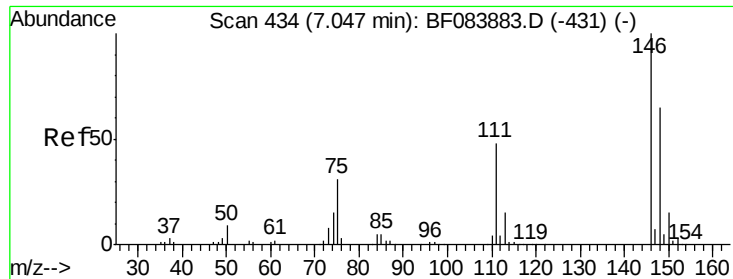


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampled :

PW-01

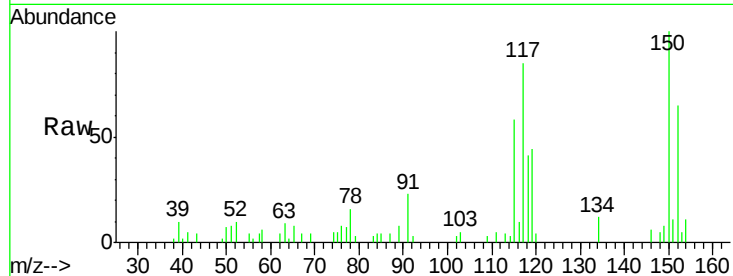
Tgt Ion:146 Resp: 571

Ion Ratio Lower Upper

146 100

148 74.5 51.6 77.4

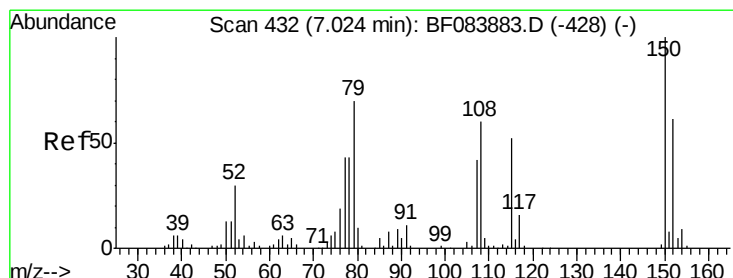
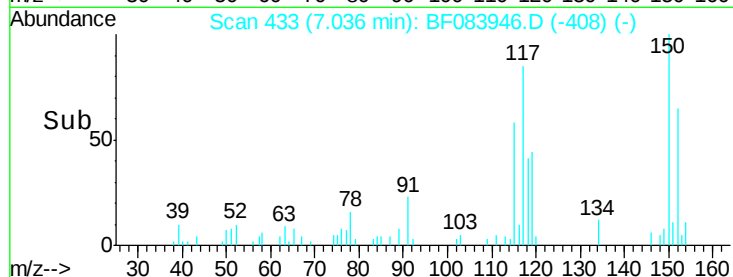
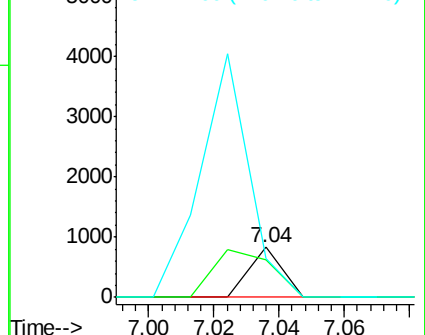
111 77.2 38.0 57.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.39 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

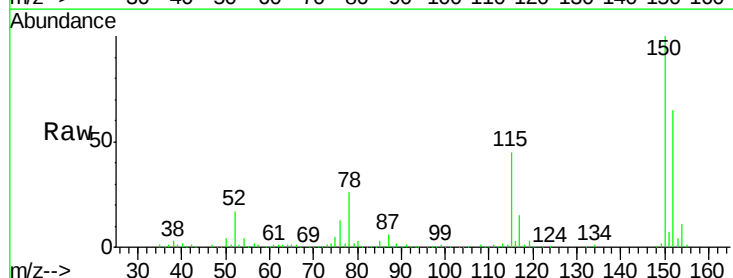
Tgt Ion: 79 Resp: 7389

Ion Ratio Lower Upper

79 100

108 34.1 69.0 103.4#

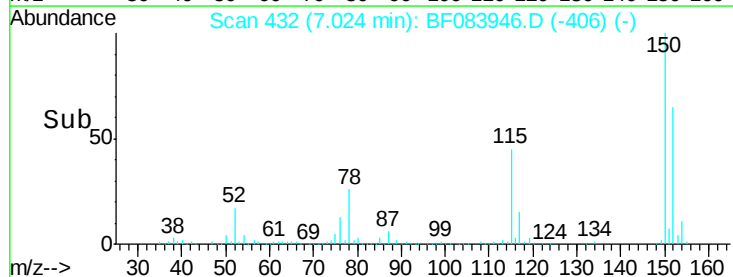
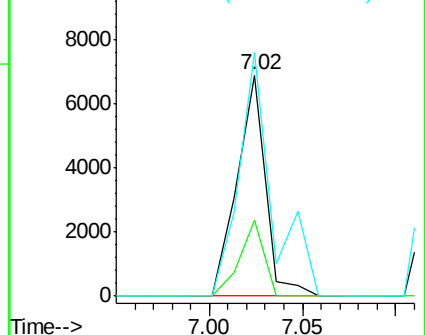
77 110.1 50.0 75.0#

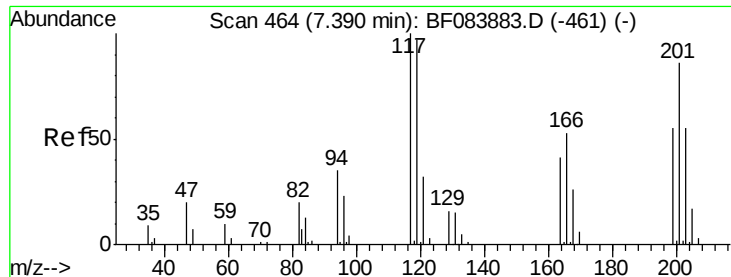


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

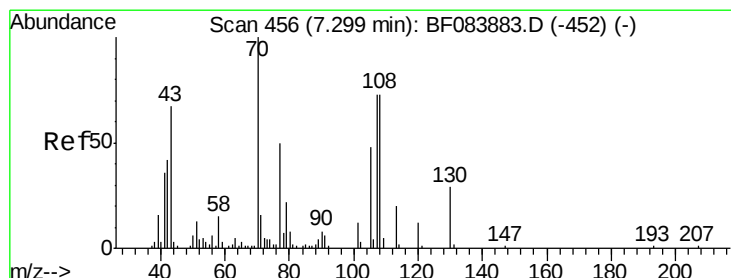
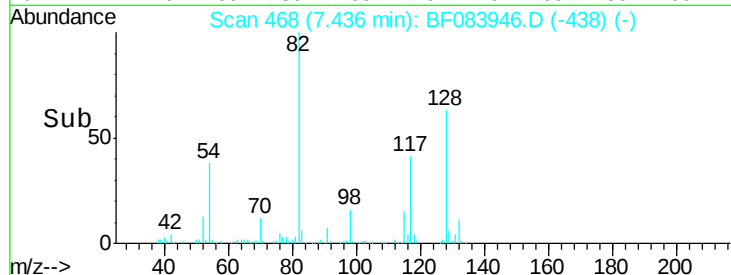
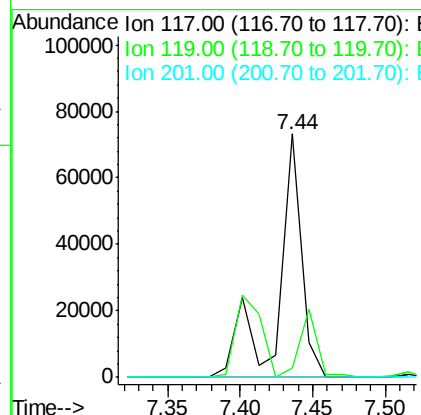
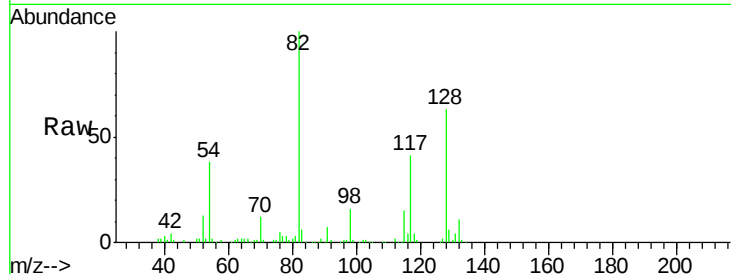




#18
 Hexachloroethane
 Concen: 51.89 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.05 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

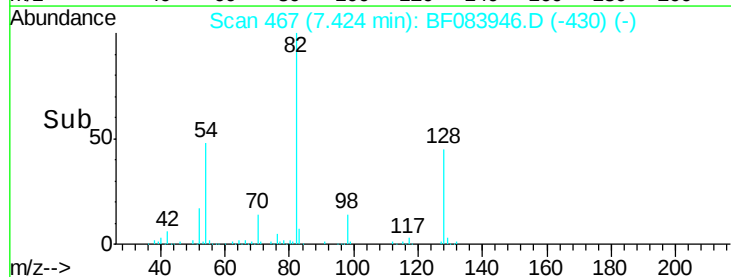
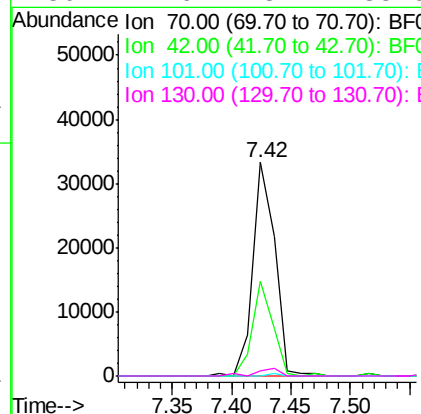
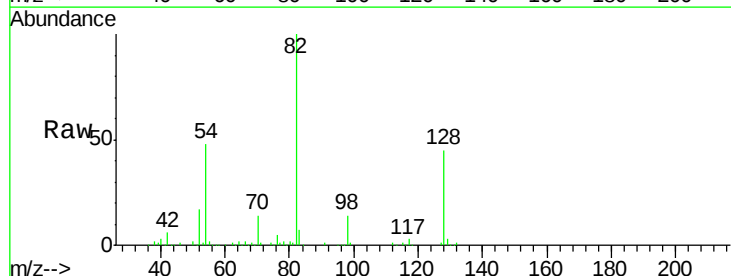
Instrument :
 BNA_F
 ClientSampleId :
 PW-01

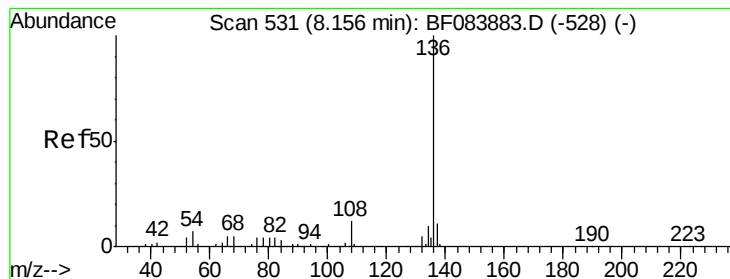
Tgt Ion: 117 Resp: 83028
 Ion Ratio Lower Upper
 117 100
 119 3.6 77.4 116.0#
 201 0.0 68.6 103.0#



#19
 n-Nitroso-di-n-propylamine
 Concen: 18.25 ng
 RT: 7.42 min Scan# 467
 Delta R.T. 0.13 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

Tgt Ion: 70 Resp: 43445
 Ion Ratio Lower Upper
 70 100
 42 44.5 33.3 49.9
 101 0.0 9.3 13.9#
 130 2.6 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

Tgt Ion:136 Resp: 185826

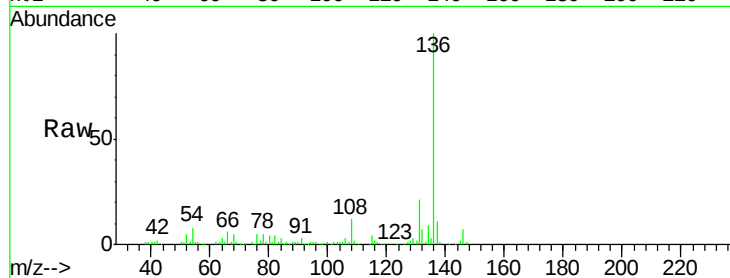
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.9 5.8 8.8

68 5.2 4.2 6.2

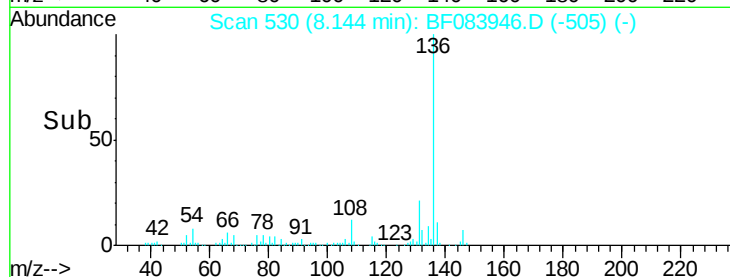


Abundance Ion 136.00 (135.70 to 136.70): E

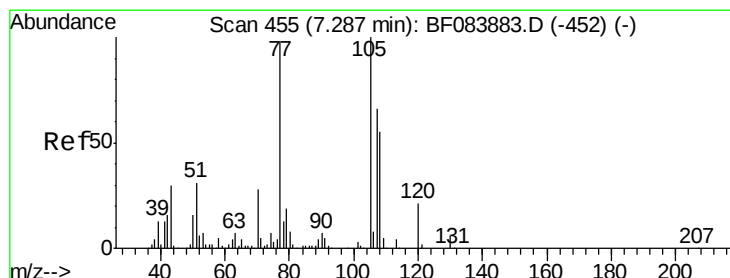
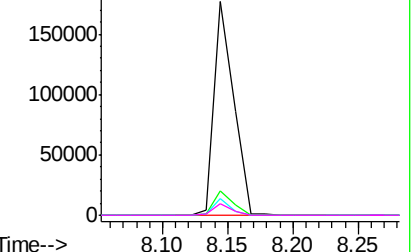
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 4.51 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.08 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Tgt Ion:105 Resp: 20155

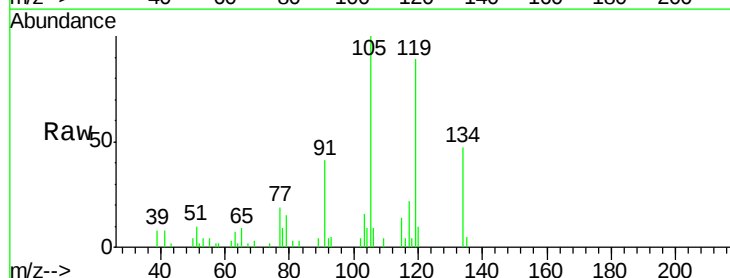
Ion Ratio Lower Upper

105 100

71 0.0 3.7 5.5#

51 9.8 25.1 37.7#

120 10.1 16.6 25.0#

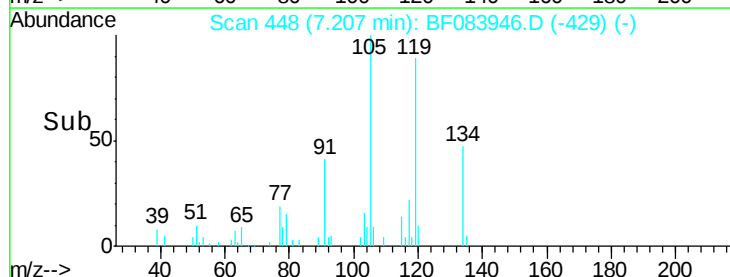


Abundance Ion 105.00 (104.70 to 105.70): E

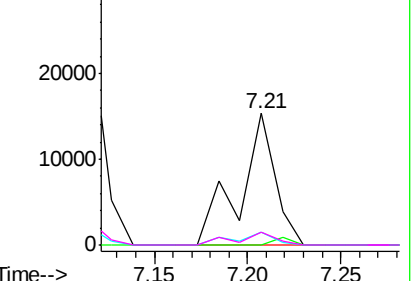
Ion 71.00 (70.70 to 71.70): BF0

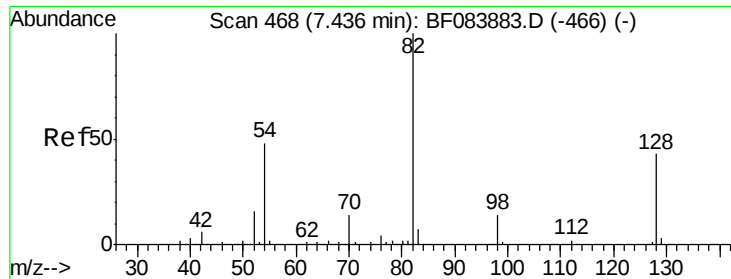
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

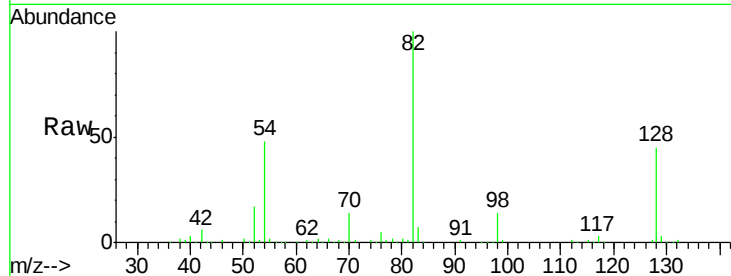




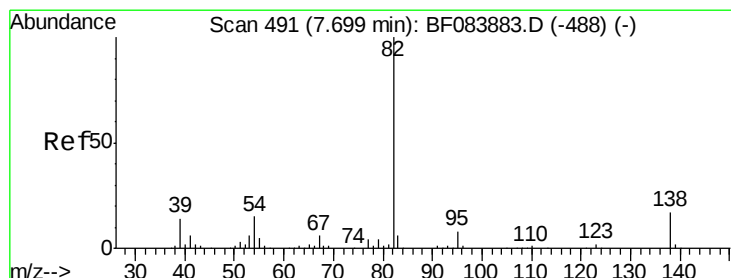
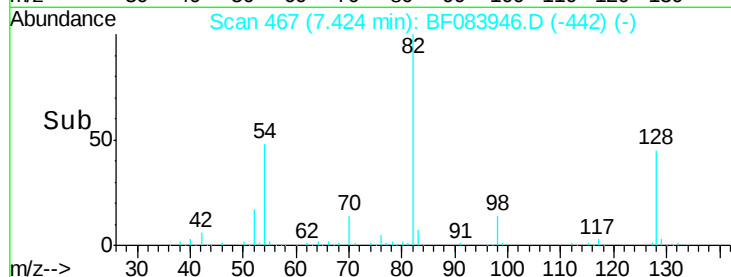
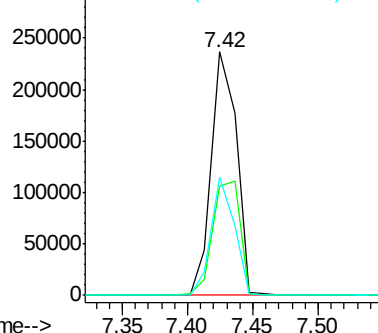
#23
Nitrobenzene-d5
Concen: 97.41 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.01 min
Lab File: BF083946.D
Acq: 19 Dec 2015 7:02

Instrument :
BNA_F
ClientSampleId :
PW-01

Tgt Ion: 82 Resp: 317164
Ion Ratio Lower Upper
82 100
128 45.1 34.6 51.8
54 48.4 38.4 57.6

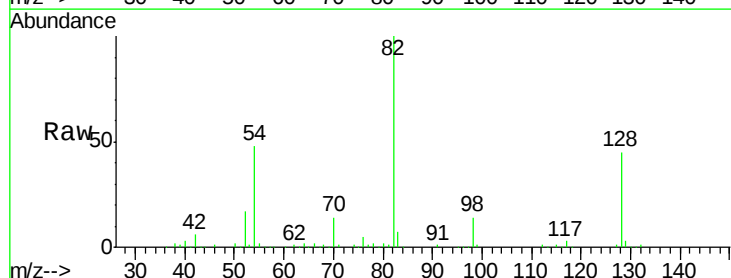


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

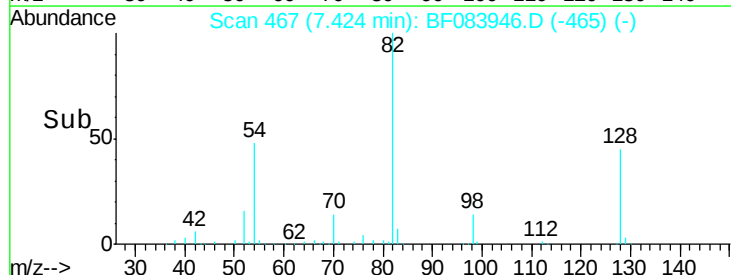
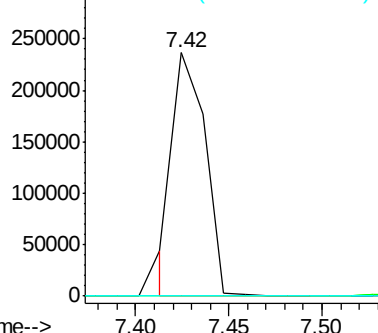


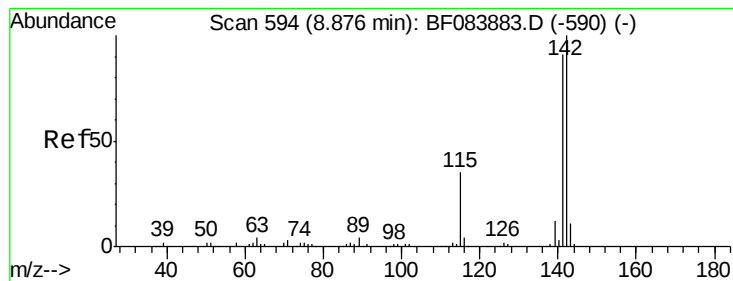
#25
Isophorone
Concen: 46.44 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.27 min
Lab File: BF083946.D
Acq: 19 Dec 2015 7:02

Tgt Ion: 82 Resp: 284480
Ion Ratio Lower Upper
82 100
95 0.1 6.6 10.0#
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

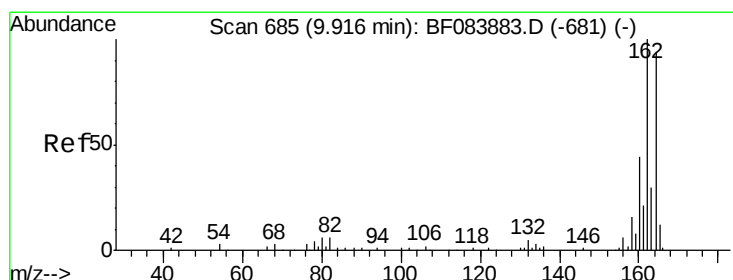
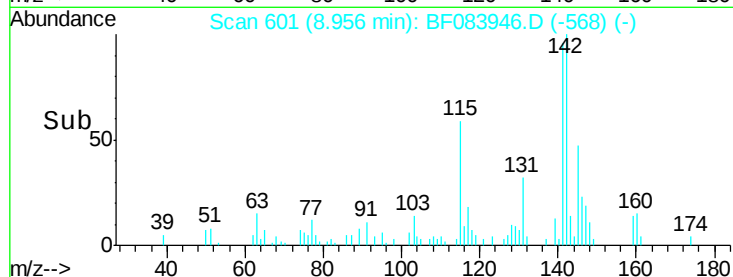
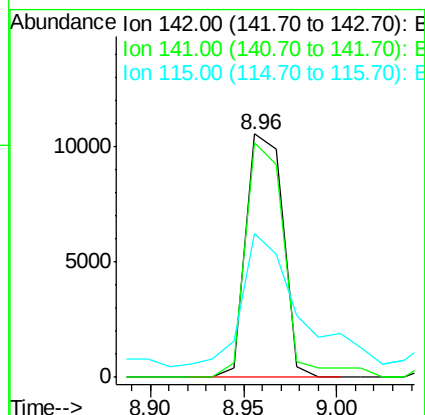
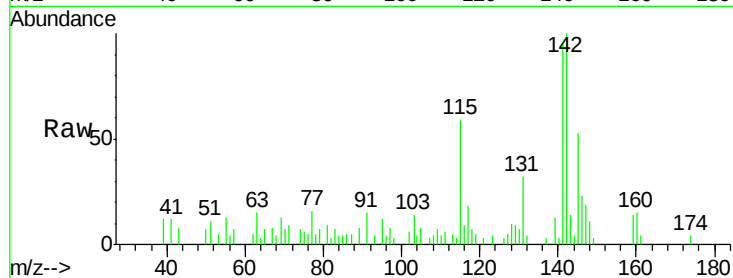




#37
 2-Methylnaphthalene
 Concen: 2.26 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.08 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

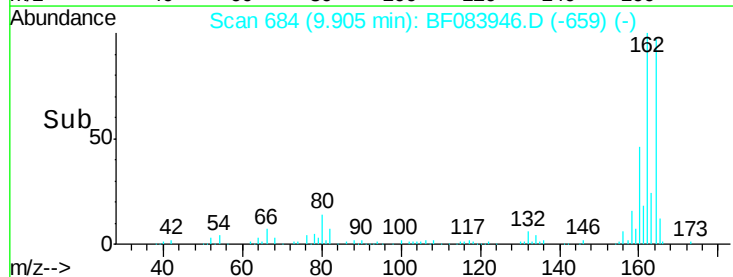
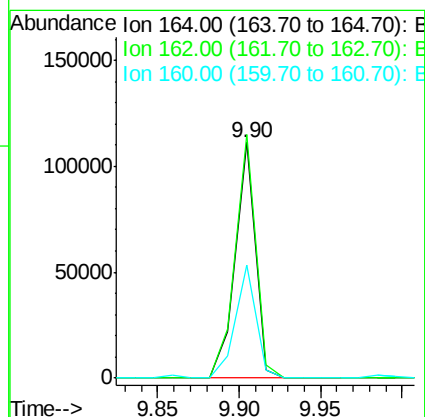
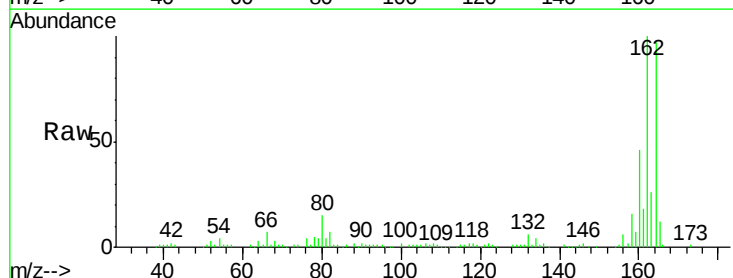
Instrument :
 BNA_F
 ClientSampleId :
 PW-01

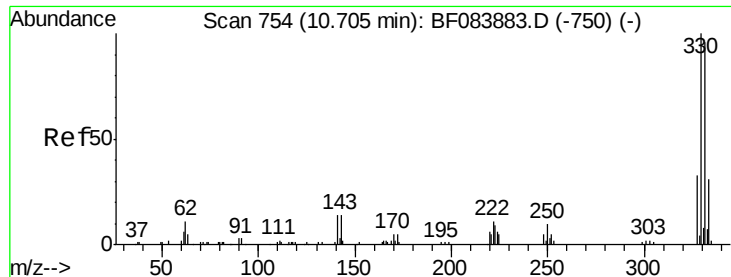
Tgt Ion:142 Resp: 14609
 Ion Ratio Lower Upper
 142 100
 141 96.2 72.4 108.6
 115 59.1 27.9 41.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

Tgt Ion:164 Resp: 94481
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.1 127.7
 160 48.0 37.5 56.3

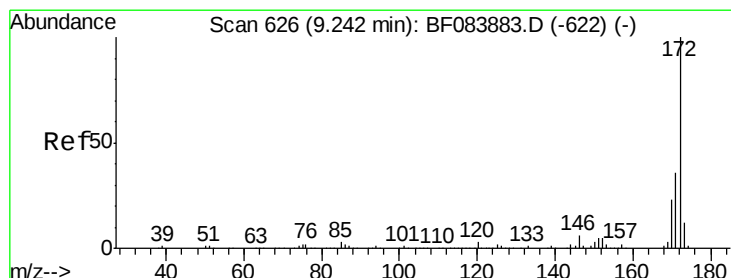
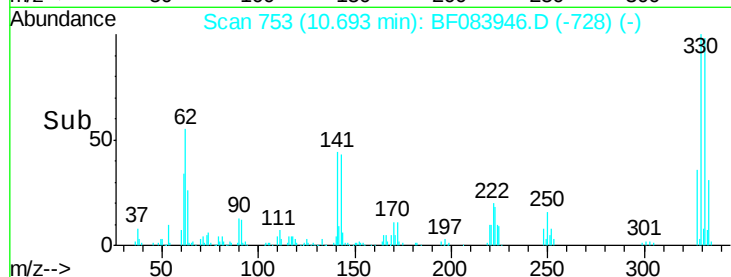
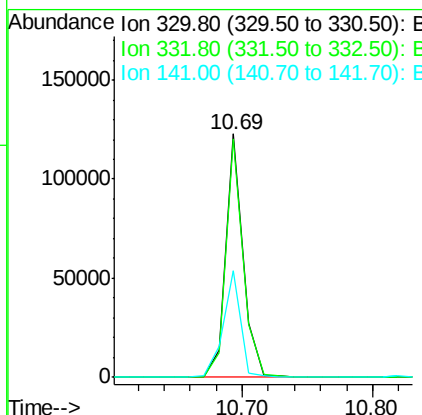
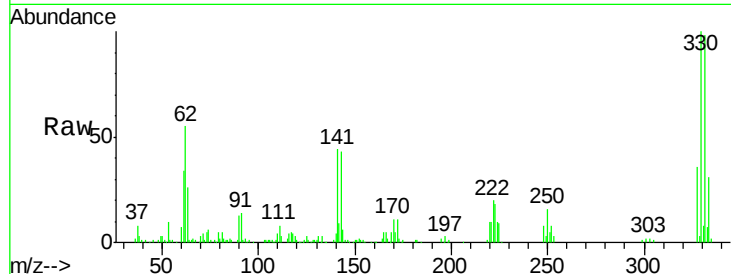




#41
 2,4,6-Tribromophenol
 Concen: 109.77 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

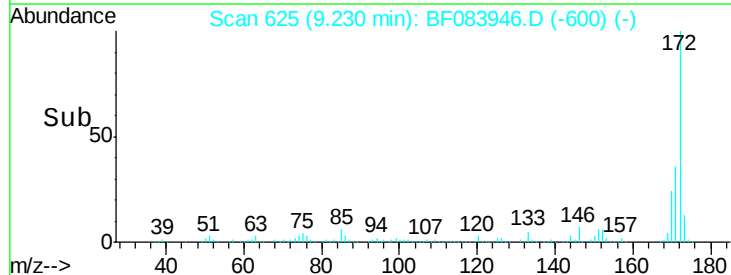
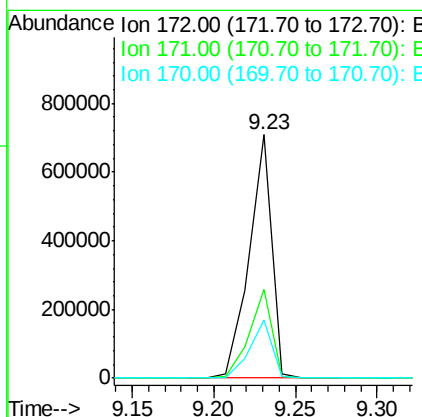
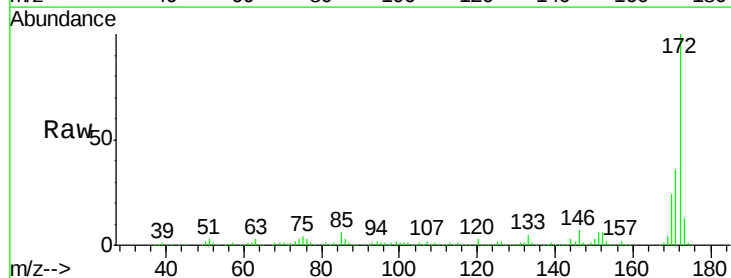
Instrument :
 BNA_F
 ClientSampleId :
 PW-01

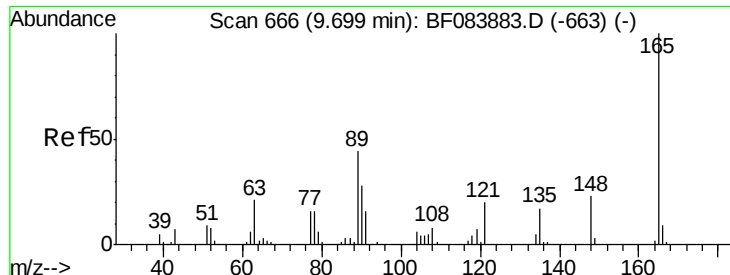
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	44.7	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 104.64 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.0	18.6	27.8

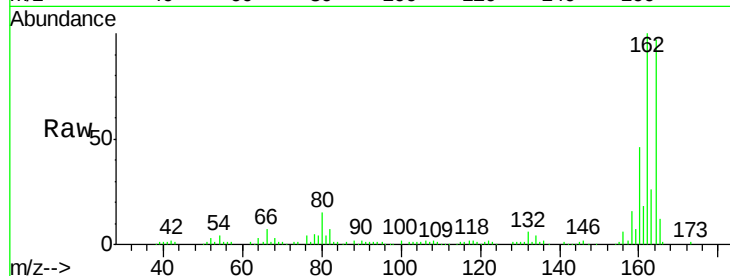




#50
 2,6-Dinitrotoluene
 Concen: 7.21 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

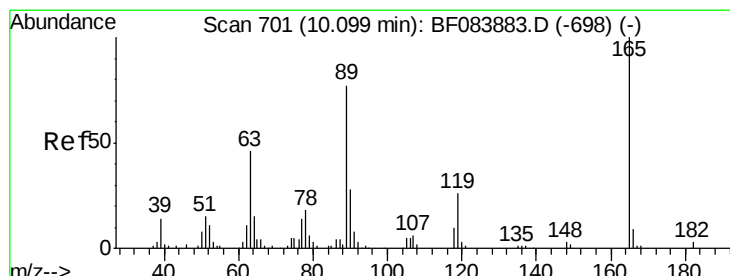
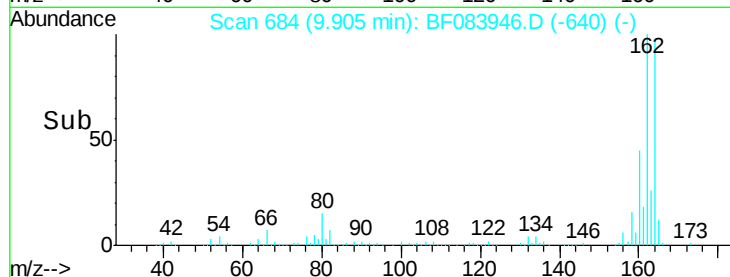
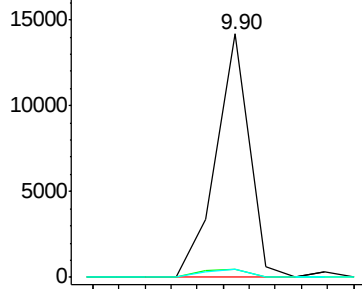
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	28.8	43.2#
89	3.2	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

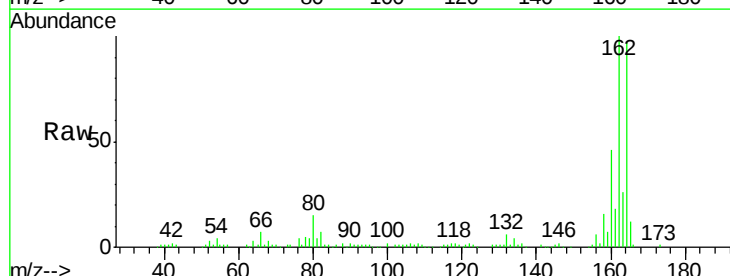
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.73 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.19 min
 Lab File: BF083946.D
 Acq: 19 Dec 2015 7:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	36.7	55.1#
89	3.2	61.9	92.9#
182	0.0	2.0	3.0#

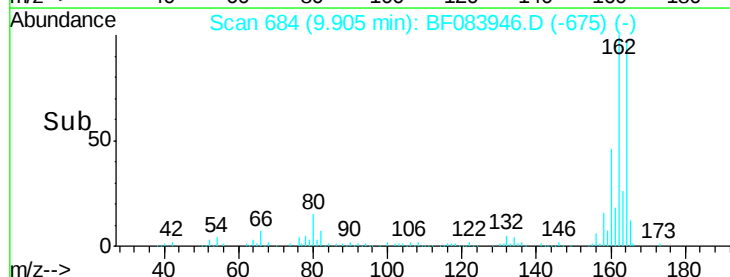
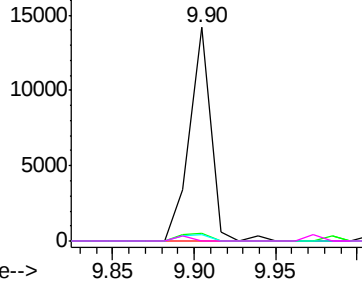


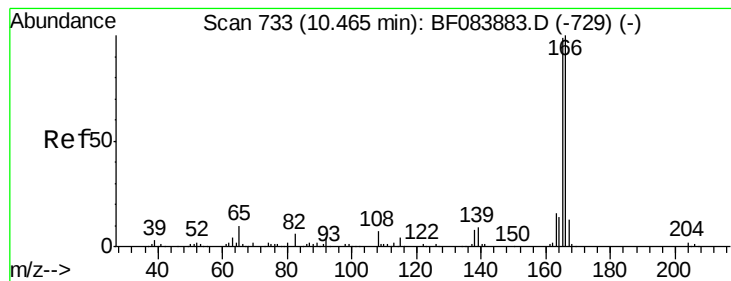
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.45 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

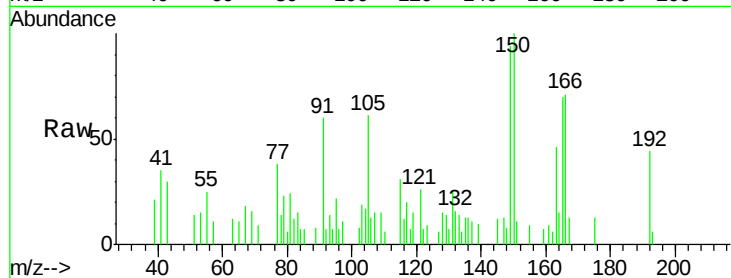
Tgt Ion:166 Resp: 3561

Ion Ratio Lower Upper

166 100

165 99.0 79.1 118.7

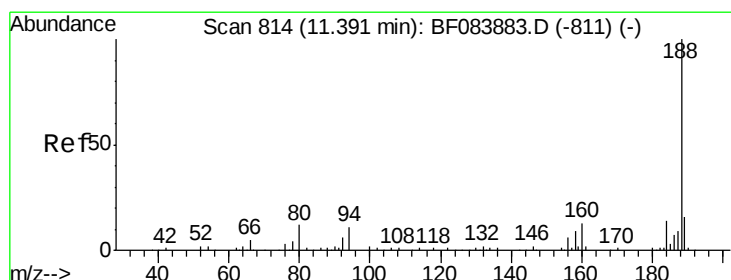
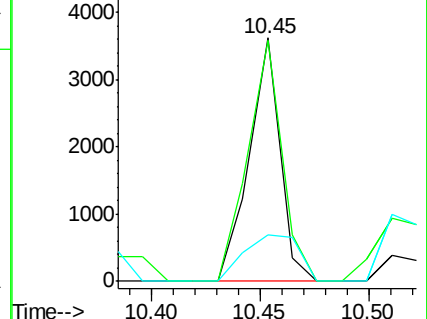
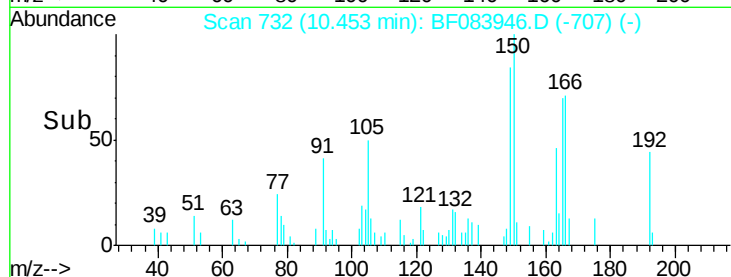
167 18.9 10.4 15.6#



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: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

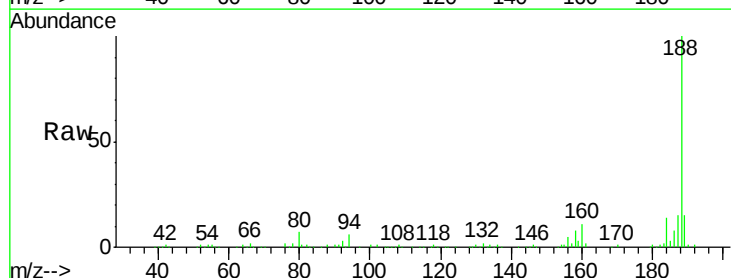
Tgt Ion:188 Resp: 146299

Ion Ratio Lower Upper

188 100

94 6.4 9.0 13.4#

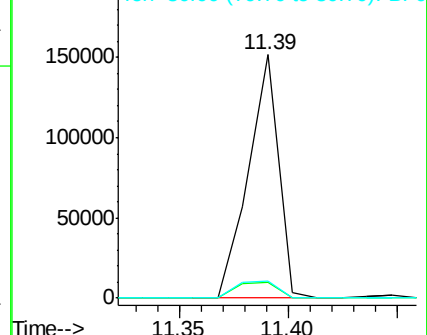
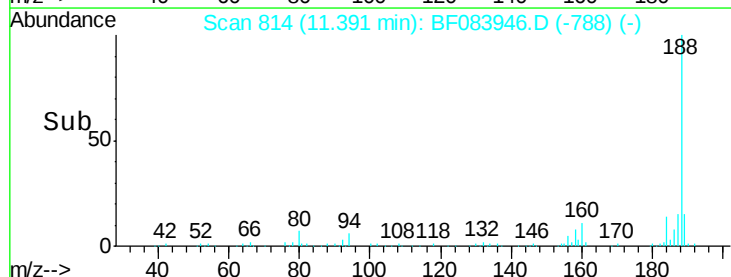
80 6.9 9.6 14.4#

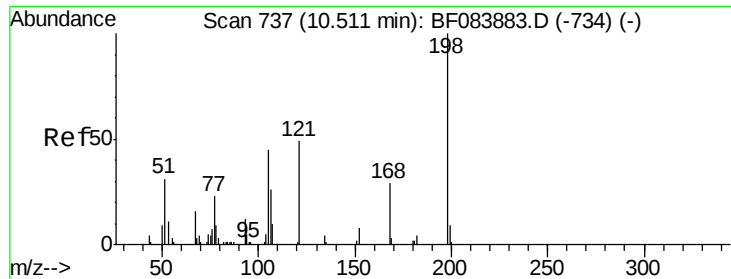


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.18 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.18 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

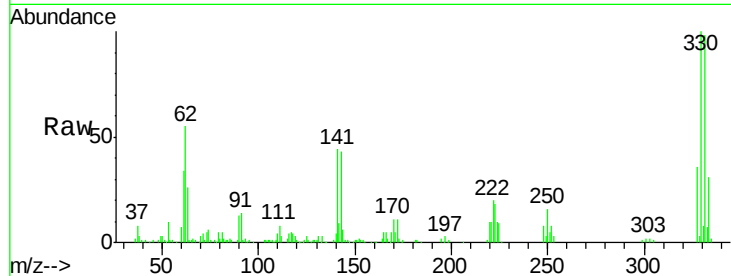
Tgt Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 207.8 18.9 58.9#

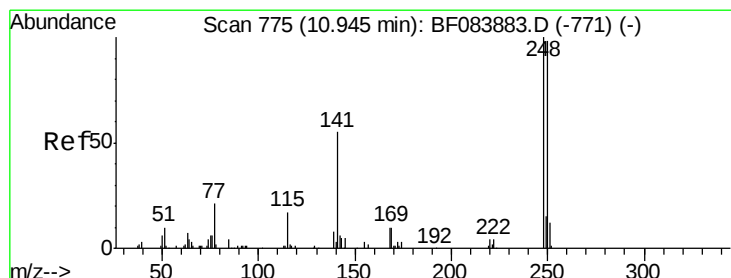
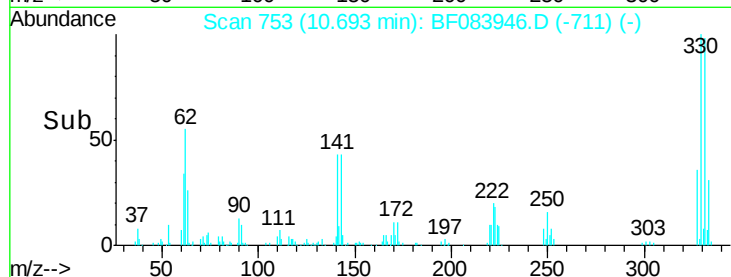
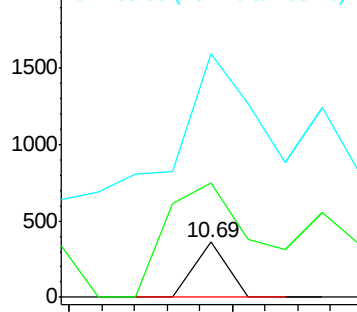
105 442.8 26.4 66.4#



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



#66

4-Bromophenyl-phenylether

Concen: 4.75 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.25 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

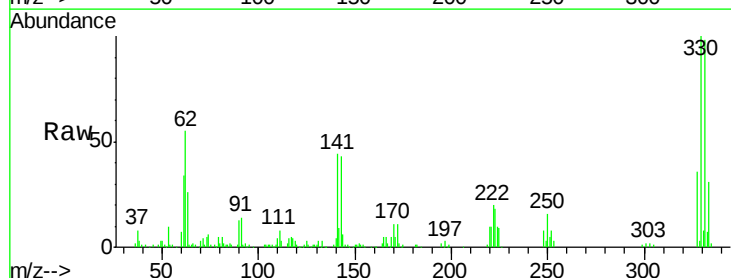
Tgt Ion:248 Resp: 8501

Ion Ratio Lower Upper

248 100

250 202.9 78.4 117.6#

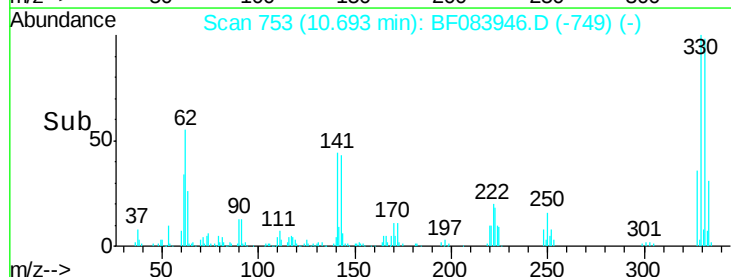
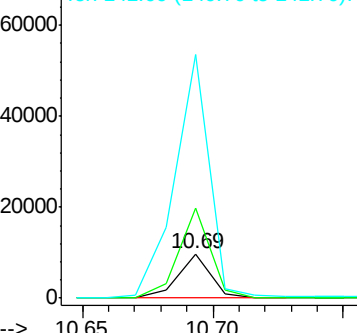
141 549.0 44.0 66.0#

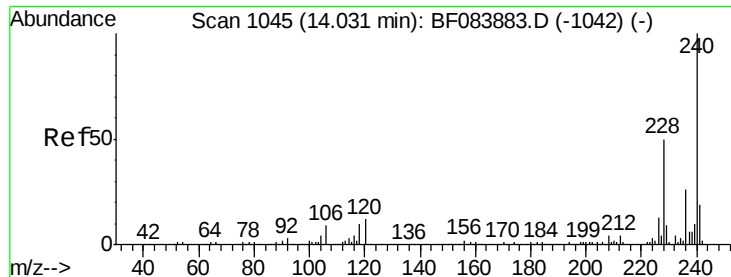


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

Instrument :

BNA_F

ClientSampleId :

PW-01

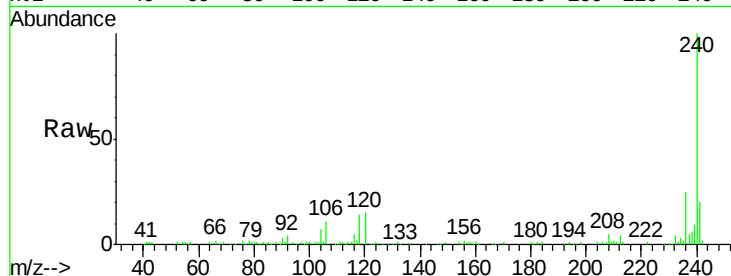
Tgt Ion:240 Resp: 115490

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

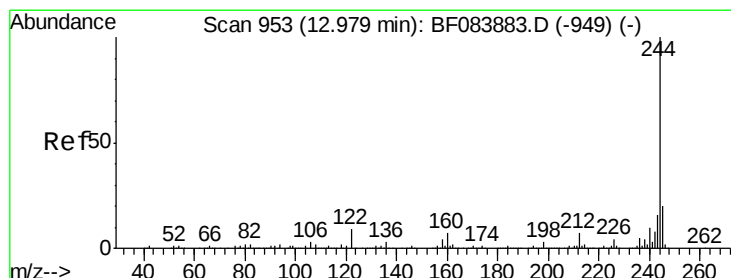
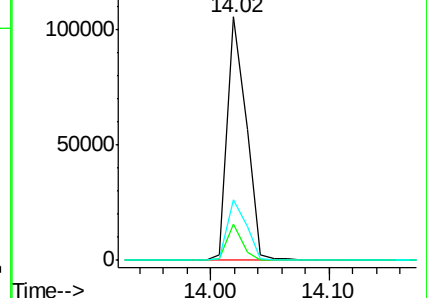
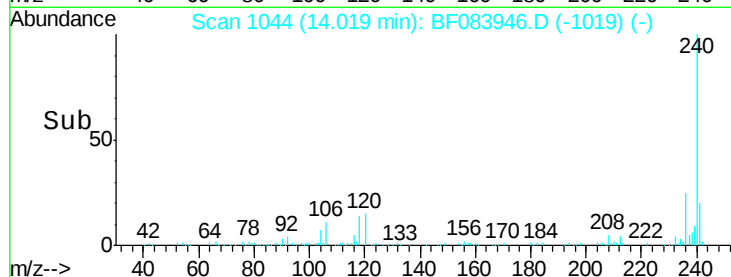
236 24.7 20.6 31.0



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



#78

Terphenyl-d14

Concen: 99.57 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF083946.D

Acq: 19 Dec 2015 7:02

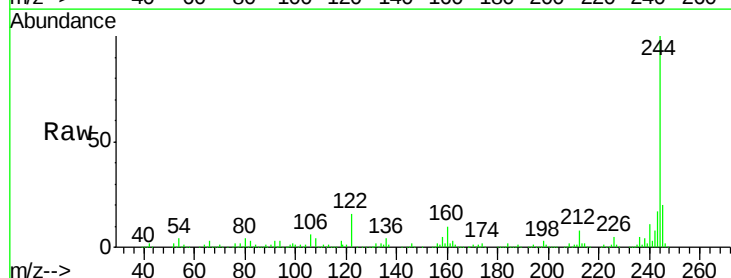
Tgt Ion:244 Resp: 486541

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

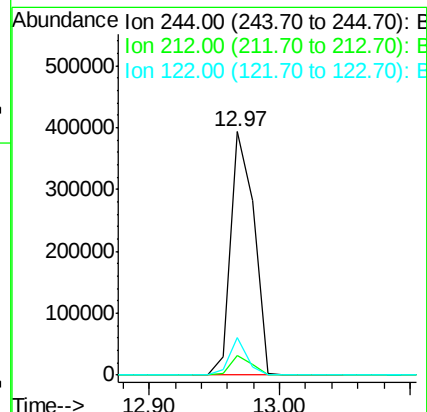
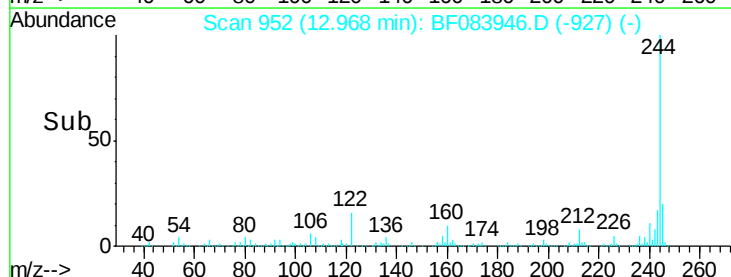
122 15.6 7.4 11.0#

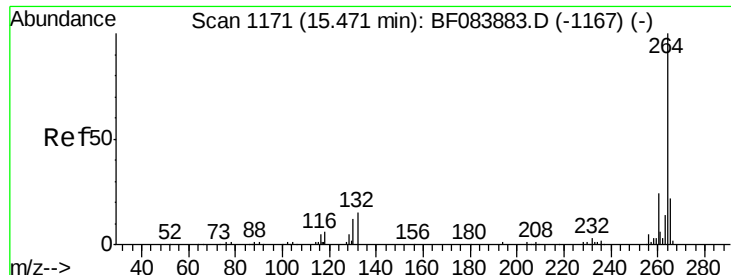


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF083946.D
Acq: 19 Dec 2015 7:02

Instrument :
BNA_F
ClientSampleId :
PW-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.1	17.8	26.6

