

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083937.D
 Acq On : 19 Dec 2015 2:53
 Operator : UM/SJ
 Sample : G4840-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Quant Time: Dec 19 04:21:17 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	67133	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	246005	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	127613	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	222840	20.00	ng	0.00
75) Chrysene-d12	14.02	240	128241	20.00	ng	-0.01
86) Perylene-d12	15.46	264	142731	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	279493	65.15	ng	0.00
7) Phenol-d6	6.51	99	189121	36.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	434600	100.83	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	159115	113.18	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	803918	89.14	ng	-0.01
78) Terphenyl-d14	12.98	244	619345	115.14	ng	0.00

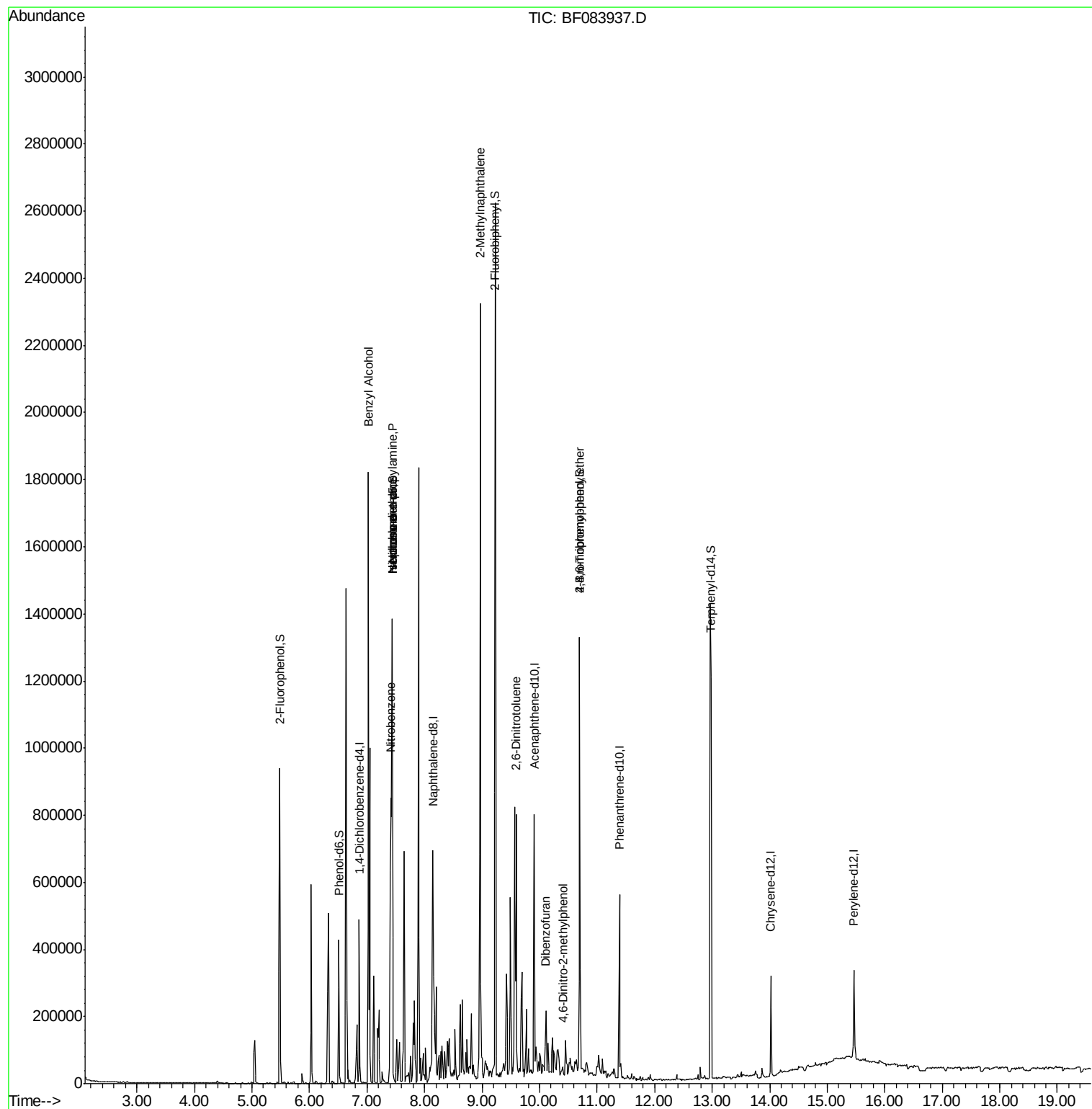
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.02	79	10117	2.55	ng	# 37
18) Hexachloroethane	7.44	117	246722	119.94	ng	# 6
19) n-Nitroso-di-n-propylamine	7.44	70	59398	19.40	ng	# 75
24) Nitrobenzene	7.41	77	41391	9.29	ng	# 22
25) Isophorone	7.44	82	406743	50.15	ng	# 66
31) Naphthalene	8.14	128	23193	Below Cal		# 1
36) 4-Chloro-3-methylphenol	8.70	107	1391	Below Cal		# 20
37) 2-Methylnaphthalene	8.97	142	631573	73.87	ng	# 93
45) 1,1'-Biphenyl	9.23	154	1652	Below Cal		# 1
46) 2-Chloronaphthalene	9.33	162	333	Below Cal		# 33
50) 2,6-Dinitrotoluene	9.60	165	5808	2.49	ng	# 1
54) Dibenzofuran	10.11	168	34050	2.87	ng	# 88
57) Fluorene	10.45	166	25719	Below Cal		# 99
64) 4,6-Dinitro-2-methylphenol	10.41	198	578	4.32	ng	# 81
66) 4-Bromophenyl-phenylether	10.69	248	10694	3.93	ng	# 1
77) Pyrene	12.83	202	273	Below Cal		# 57

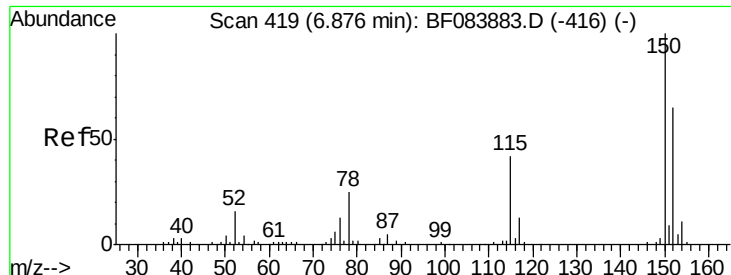
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083937.D

Acq: 19 Dec 2015 2:53

Instrument :

BNA_F

ClientSampleId :

W-13

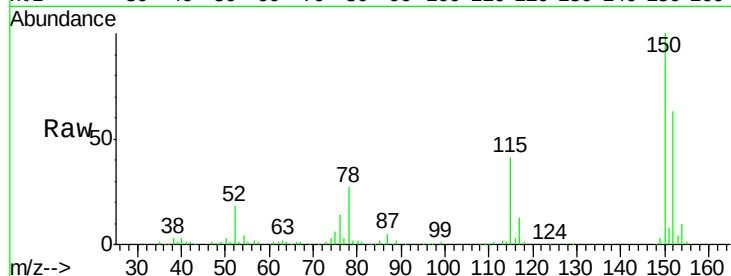
Tgt Ion:152 Resp: 67133

Ion Ratio Lower Upper

152 100

150 157.5 123.0 184.4

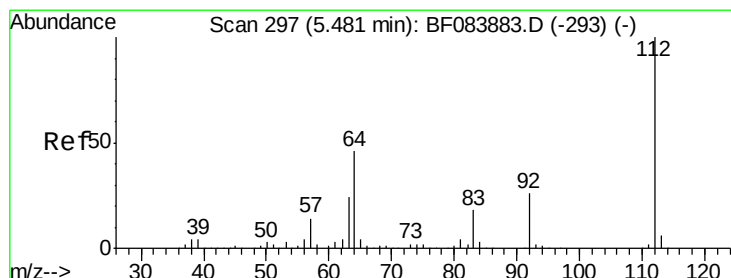
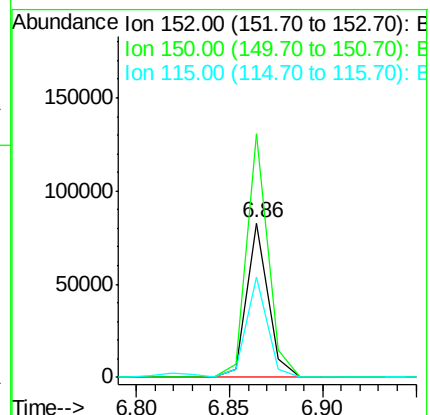
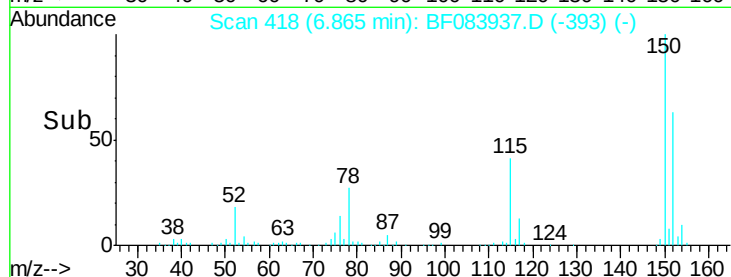
115 64.9 51.4 77.2



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: 65.15 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

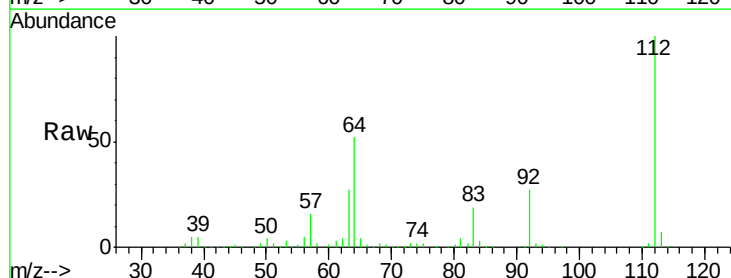
Tgt Ion:112 Resp: 279493

Ion Ratio Lower Upper

112 100

64 52.3 36.6 55.0

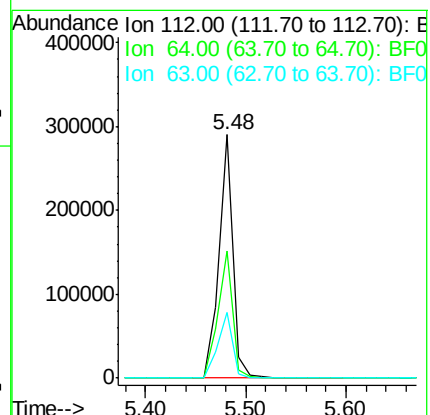
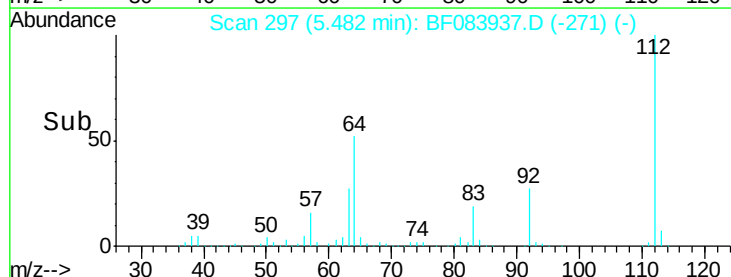
63 27.2 19.4 29.0

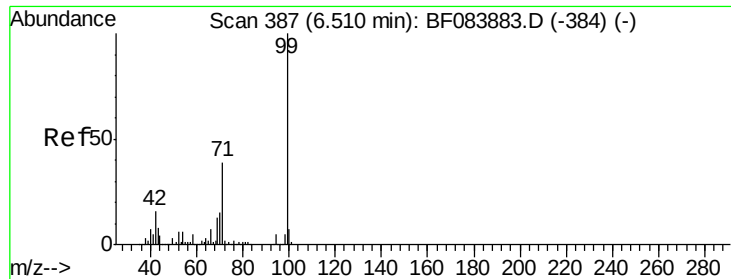


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.02 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

Instrument :

BNA_F

ClientSampleId :

W-13

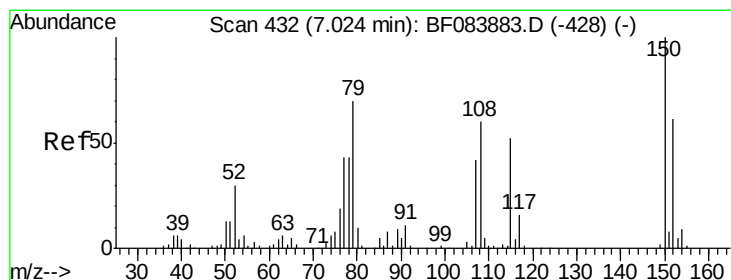
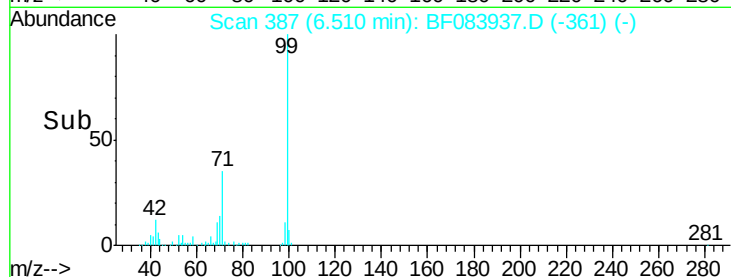
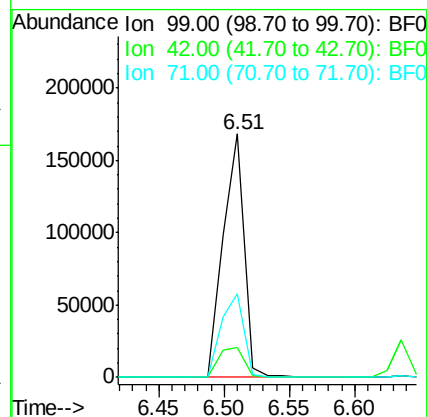
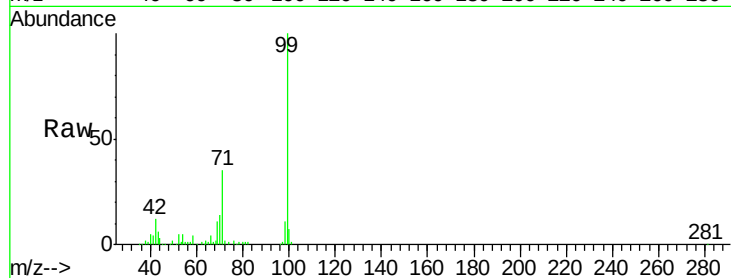
Tgt Ion: 99 Resp: 189121

Ion Ratio Lower Upper

99 100

42 12.2 12.8 19.2#

71 34.6 30.9 46.3



#15

Benzyl Alcohol

Concen: 2.55 ng

RT: 7.02 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

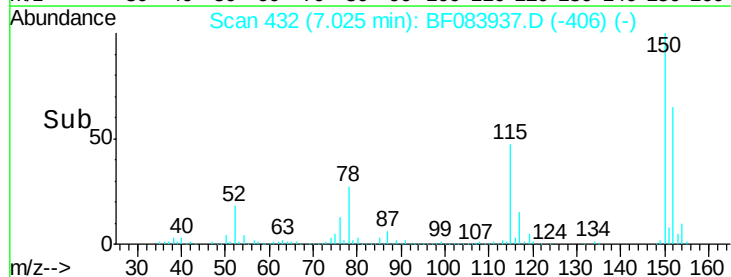
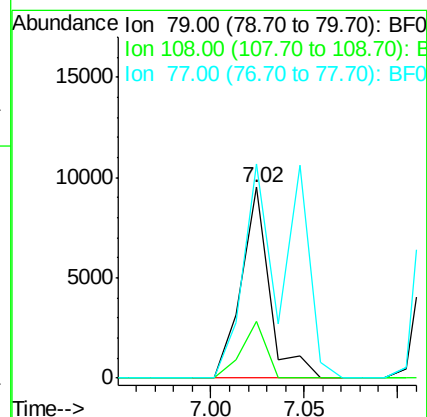
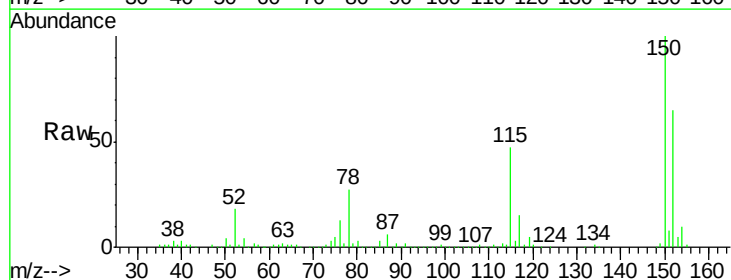
Tgt Ion: 79 Resp: 10117

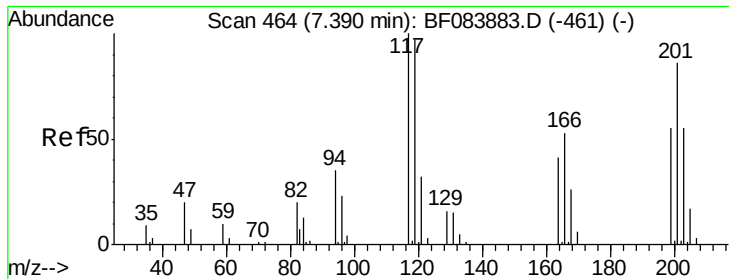
Ion Ratio Lower Upper

79 100

108 29.4 69.0 103.4#

77 111.8 50.0 75.0#

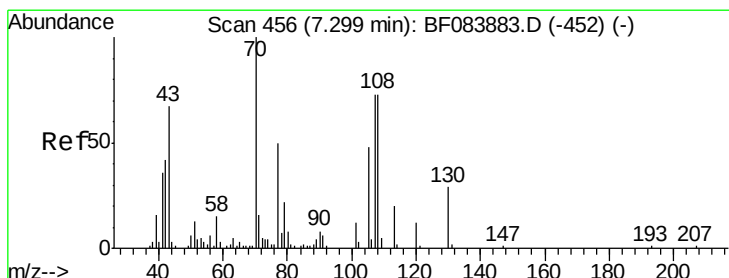
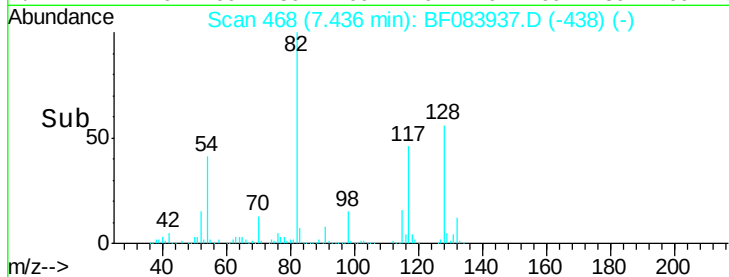
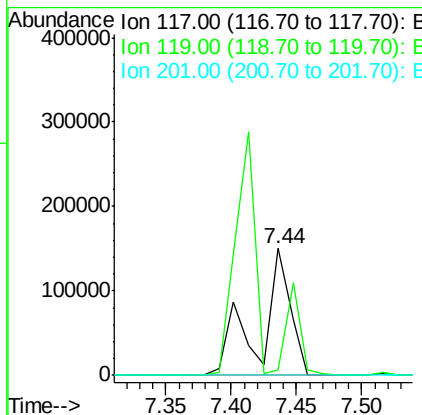
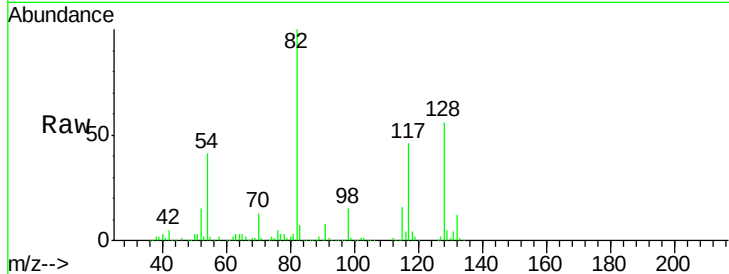




#18
Hexachloroethane
Concen: 119.94 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.05 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

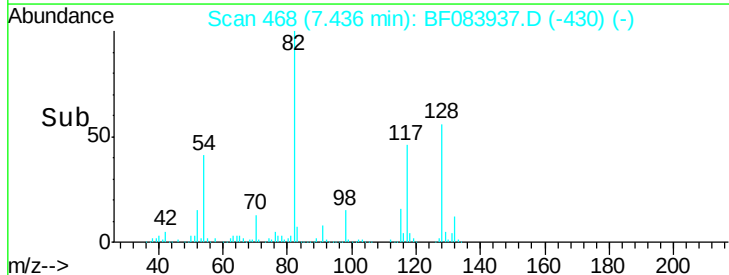
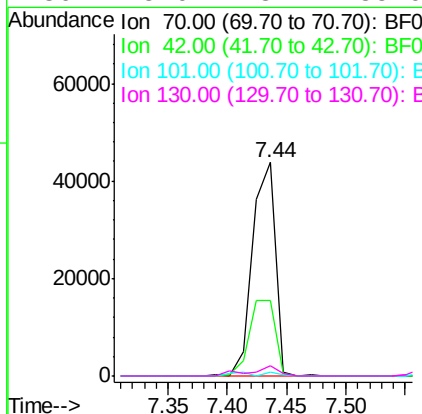
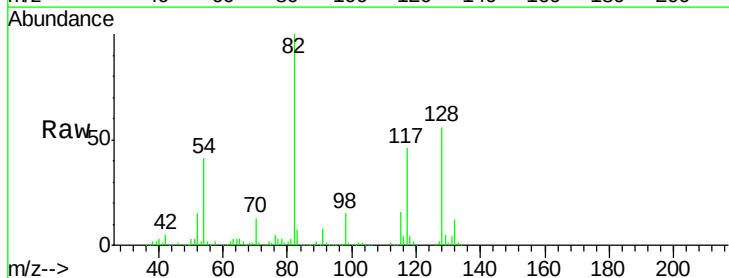
Instrument :
BNA_F
ClientSampleId :
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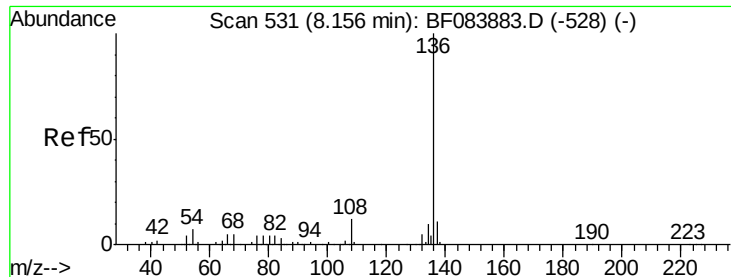
Tgt Ion: 117 Resp: 246722
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 19.40 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.14 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

Tgt Ion: 70 Resp: 59398
Ion Ratio Lower Upper
70 100
42 35.1 33.3 49.9
101 1.6 9.3 13.9#
130 5.0 23.4 35.0#

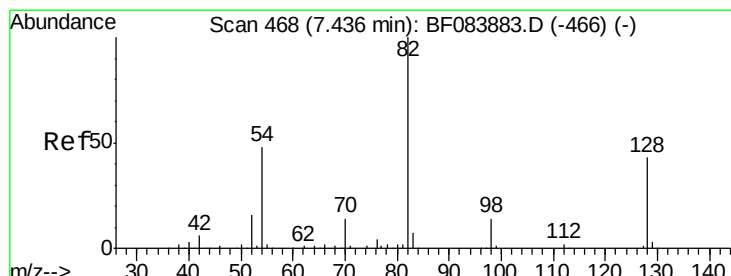
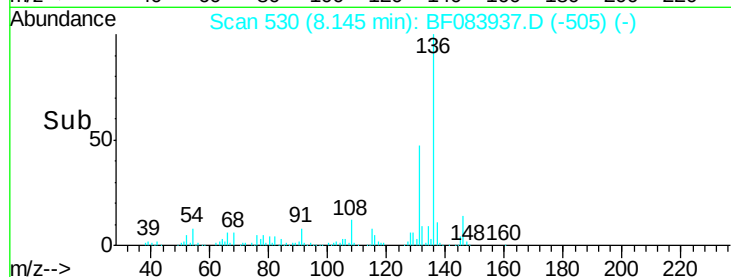
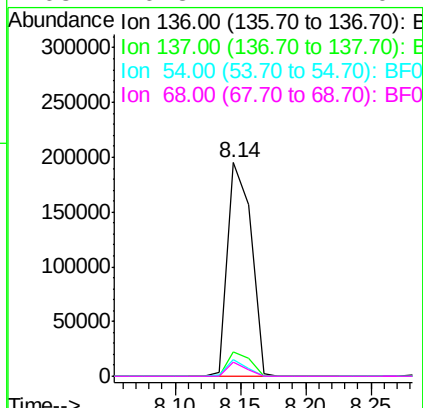
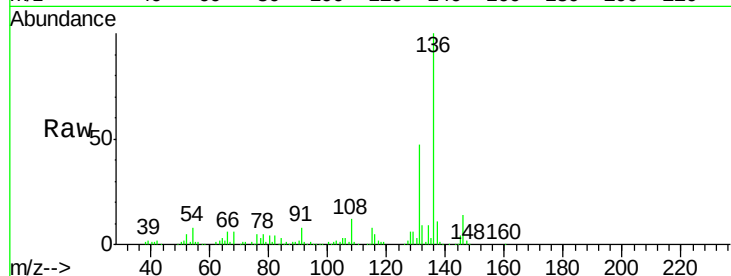




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

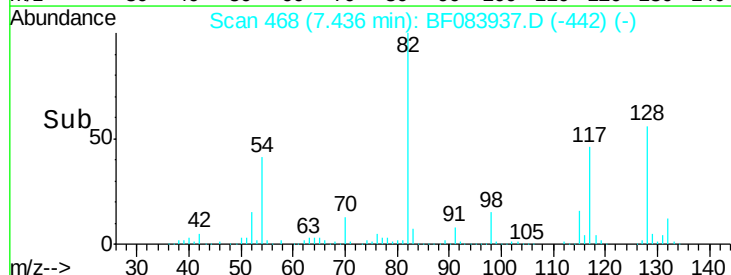
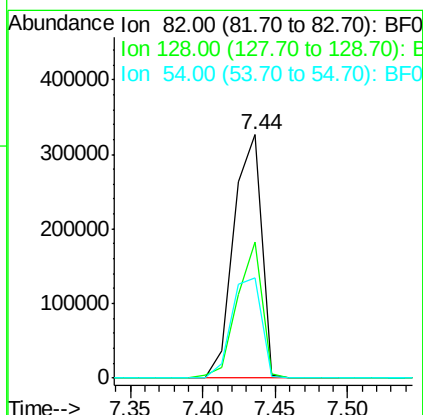
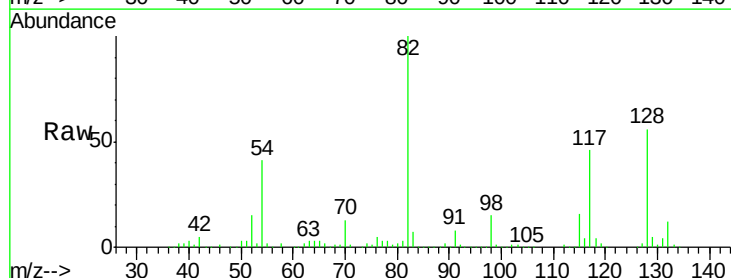
Instrument :
BNA_F
ClientSampleId :
W-13

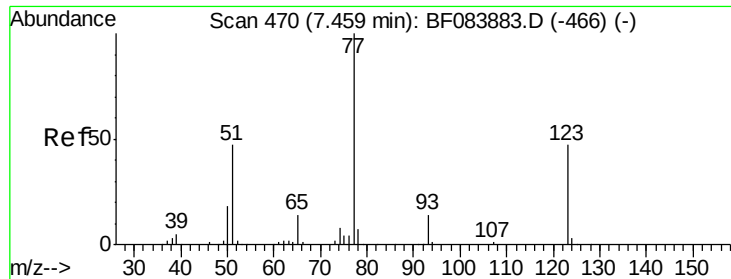
Tgt Ion:	136	Resp:	246005
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	8.1	5.8	8.8
68	6.3	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 100.83 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.00 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

Tgt Ion:	82	Resp:	434600
Ion Ratio	Lower	Upper	
82	100		
128	55.7	34.6	51.8#
54	41.2	38.4	57.6

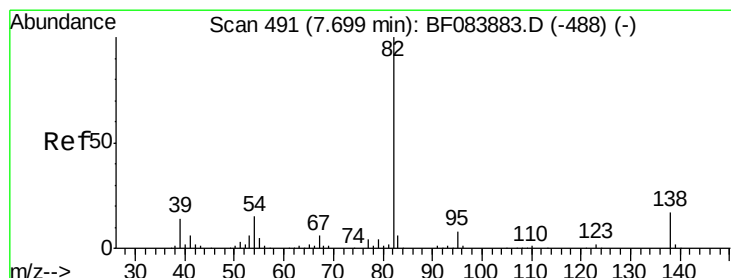
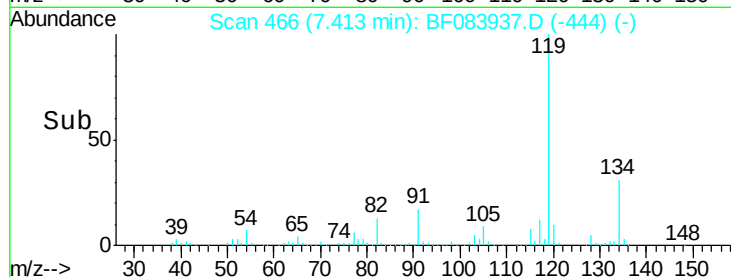
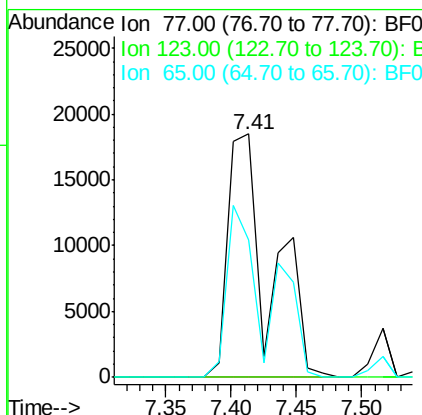
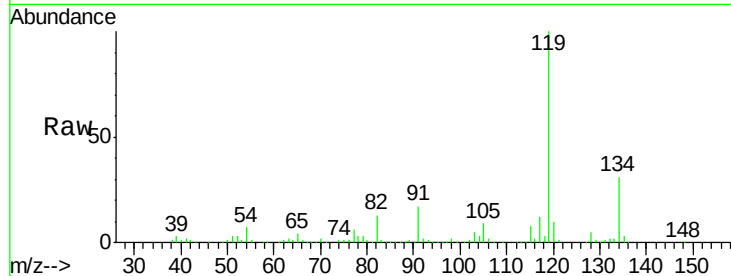




#24
Nitrobenzene
Concen: 9.29 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.05 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

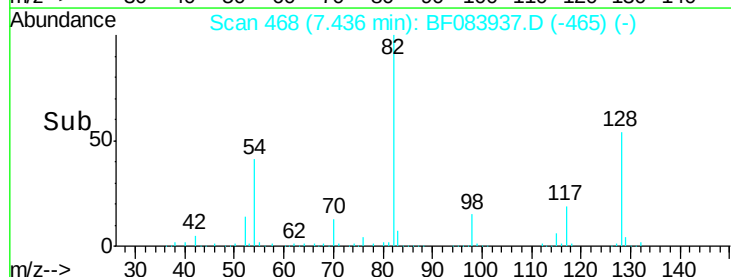
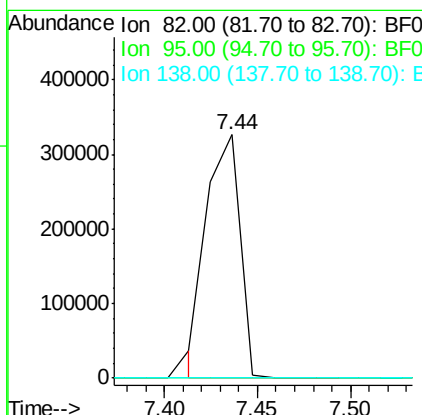
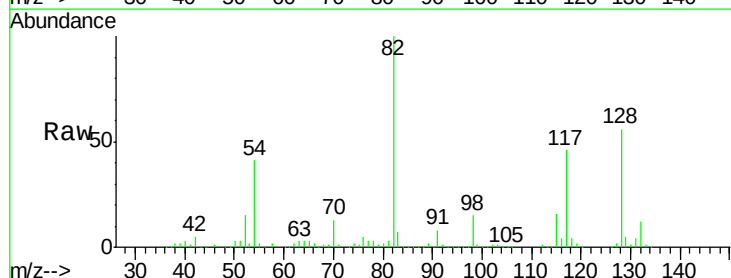
Instrument :
BNA_F
ClientSampled :
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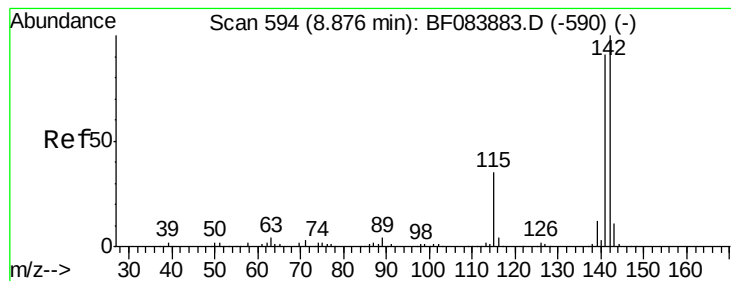
Tgt Ion	Resp	Lower	Upper
77	41391		
123	0.0	37.4	56.2#
65	56.4	10.9	16.3#



#25
Isophorone
Concen: 50.15 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.26 min
Lab File: BF083937.D
Acq: 19 Dec 2015 2:53

Tgt Ion	Resp	Lower	Upper
82	406743		
95	0.2	6.6	10.0#
138	0.0	13.6	20.4#

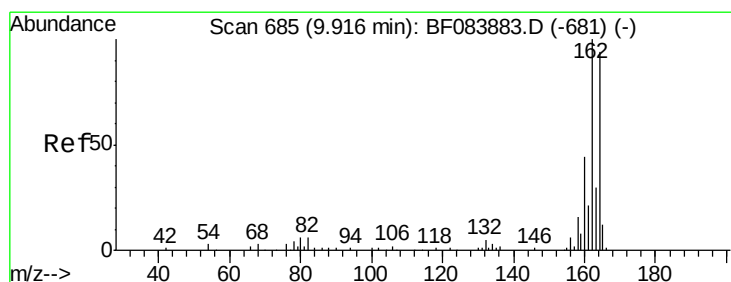
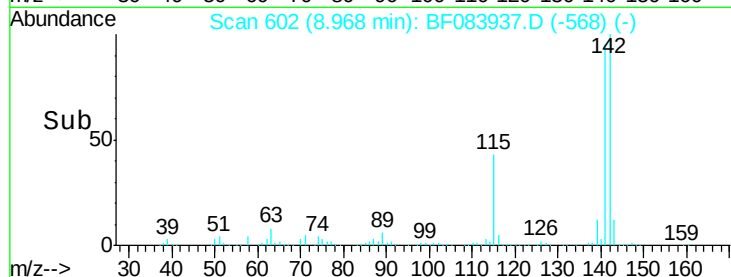
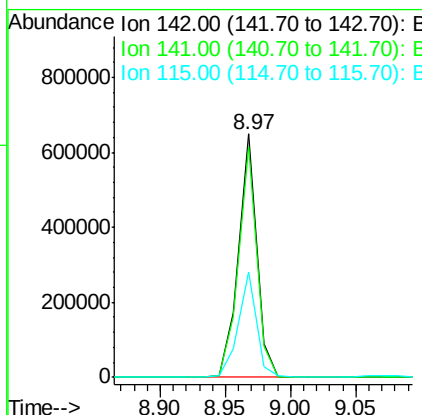
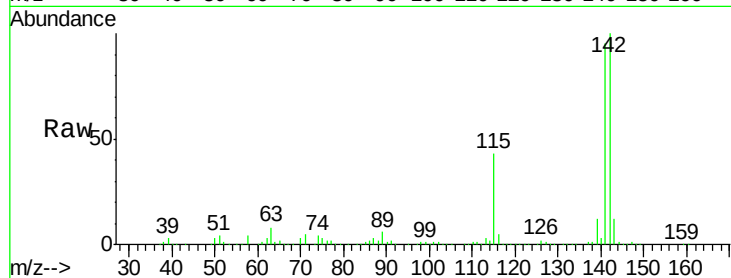




#37
 2-Methylnaphthalene
 Concen: 73.87 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.09 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

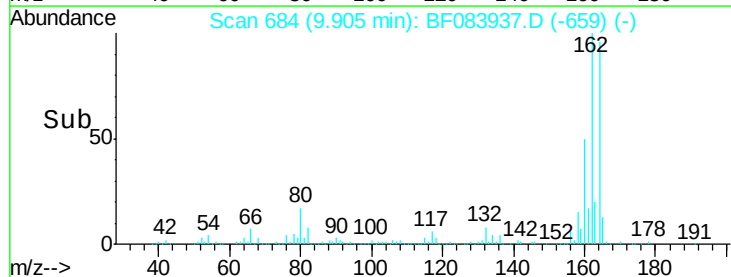
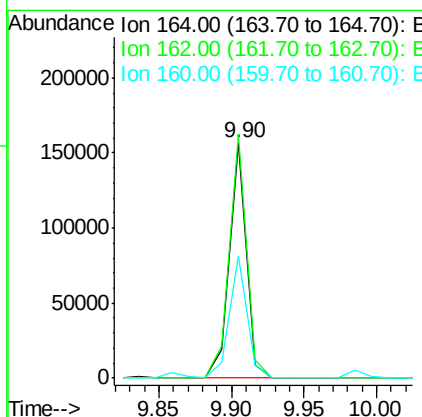
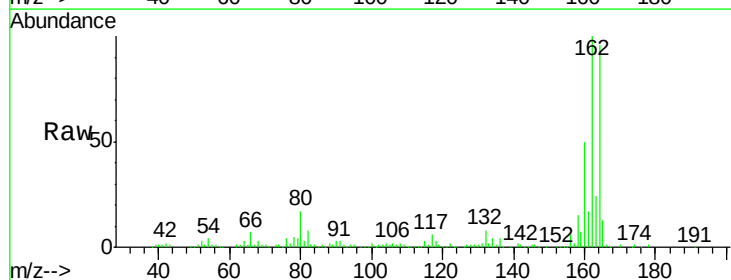
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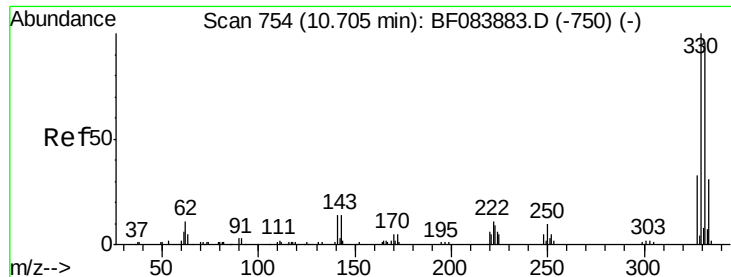
Tgt Ion:142 Resp: 631573
 Ion Ratio Lower Upper
 142 100
 141 94.8 72.4 108.6
 115 43.4 27.9 41.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Tgt Ion:164 Resp: 127613
 Ion Ratio Lower Upper
 164 100
 162 103.8 85.1 127.7
 160 52.1 37.5 56.3

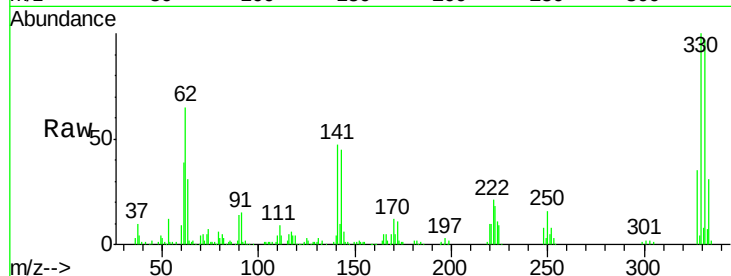




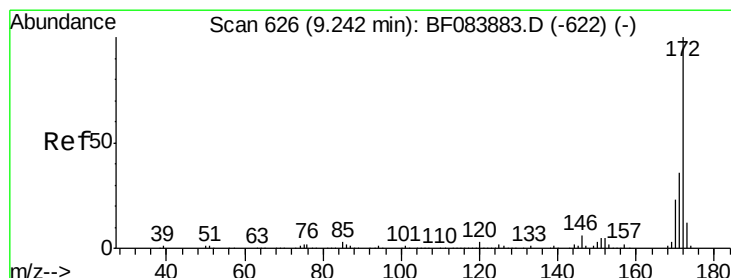
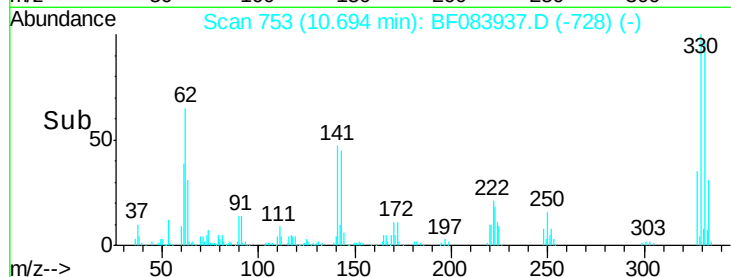
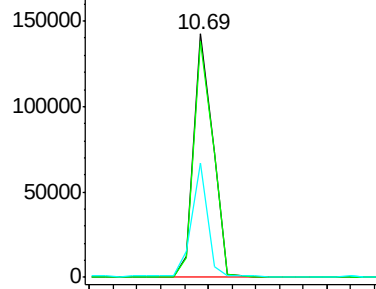
#41
 2,4,6-Tribromophenol
 Concen: 113.18 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	40.0	27.8	41.6

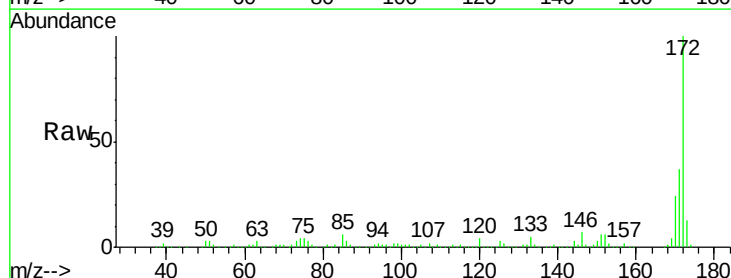


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

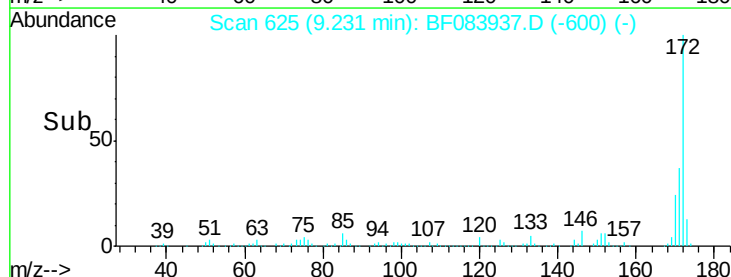
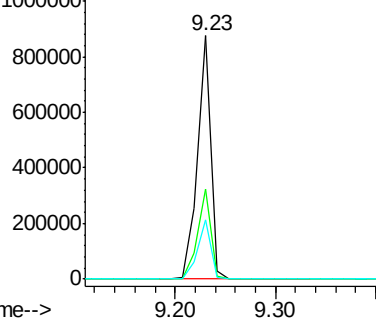


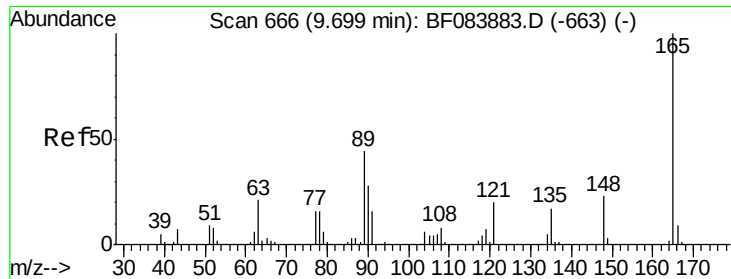
#44
 2-Fluorobiphenyl
 Concen: 89.14 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.3	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

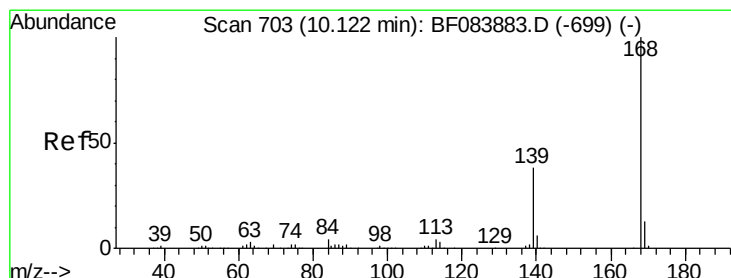
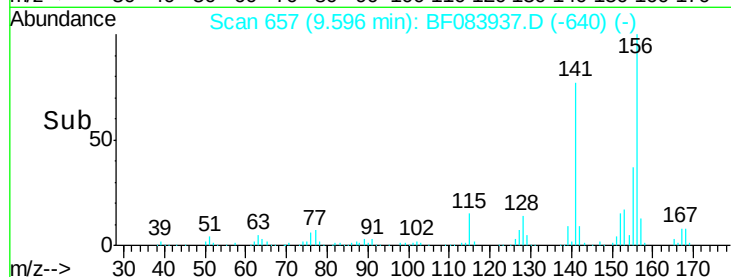
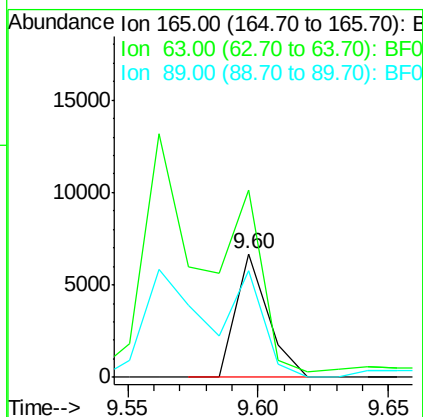
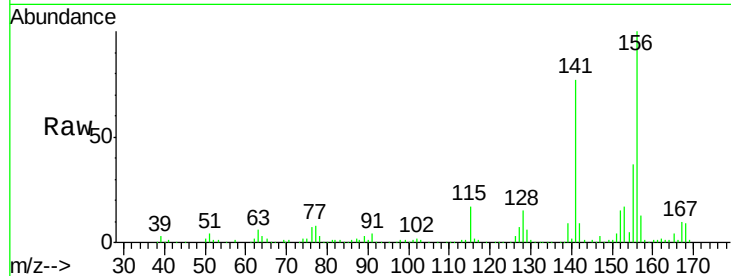




#50
 2,6-Dinitrotoluene
 Concen: 2.49 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.10 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

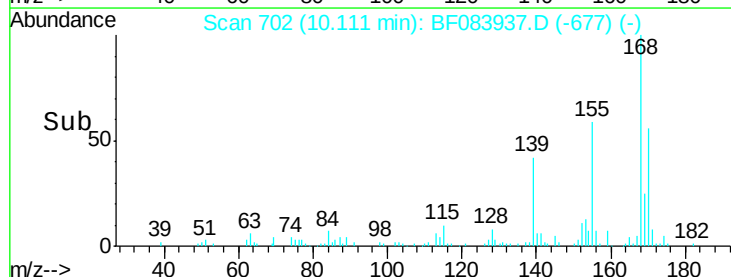
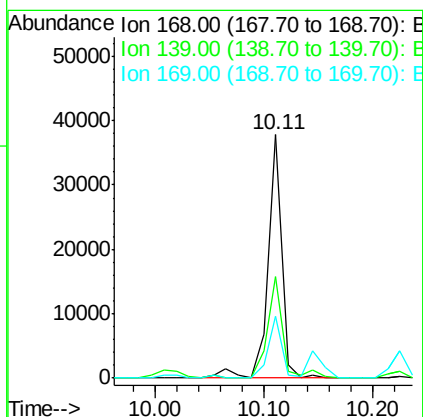
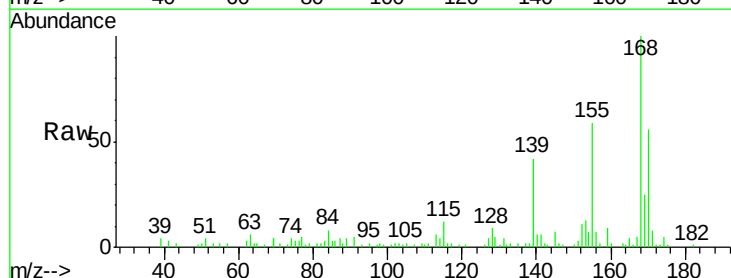
Instrument :
 BNA_F
 ClientSampled :
 W-13

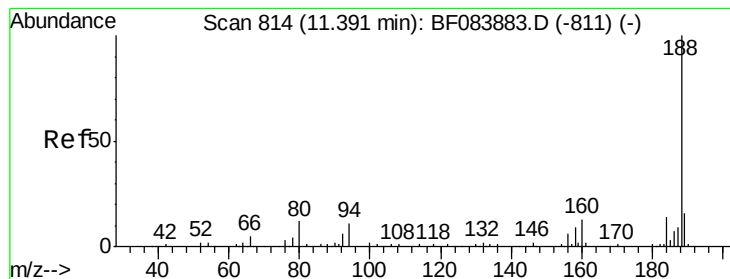
Tgt Ion:165 Resp: 5808
 Ion Ratio Lower Upper
 165 100
 63 151.2 28.8 43.2#
 89 86.0 35.1 52.7#



#54
 Dibenzofuran
 Concen: 2.87 ng
 RT: 10.11 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Tgt Ion:168 Resp: 34050
 Ion Ratio Lower Upper
 168 100
 139 41.8 30.5 45.7
 169 25.2 10.4 15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

Instrument :

BNA_F

ClientSampleId :

W-13

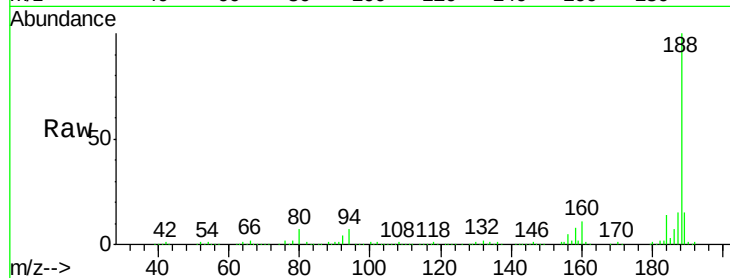
Tgt Ion:188 Resp: 222840

Ion Ratio Lower Upper

188 100

94 6.8 9.0 13.4#

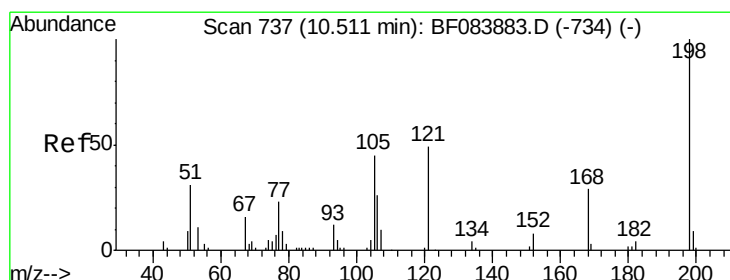
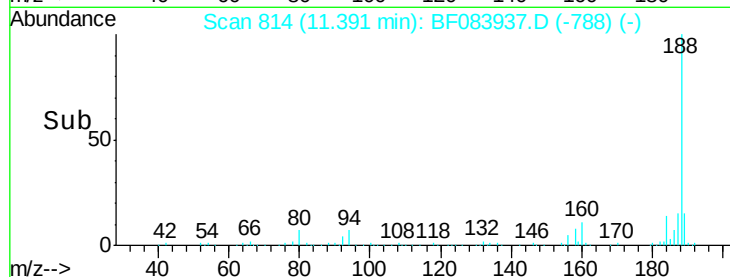
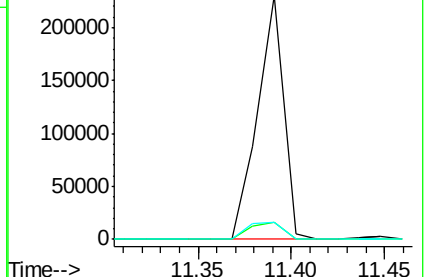
80 6.9 9.6 14.4#



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: 4.32 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.10 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

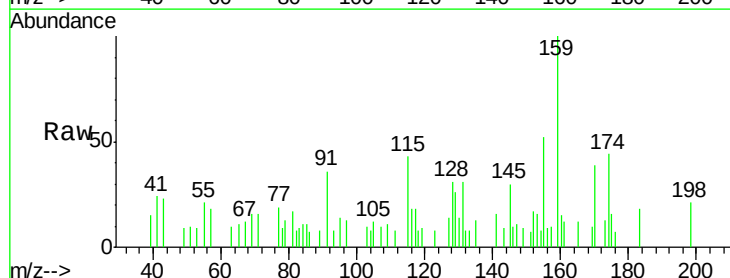
Tgt Ion:198 Resp: 578

Ion Ratio Lower Upper

198 100

51 50.0 18.9 58.9

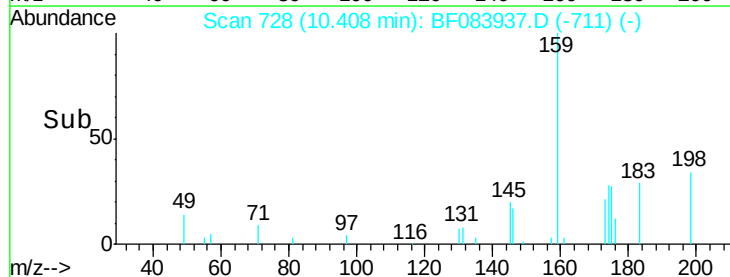
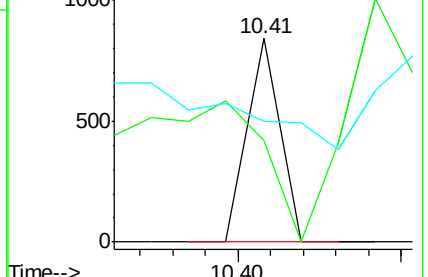
105 59.3 26.4 66.4

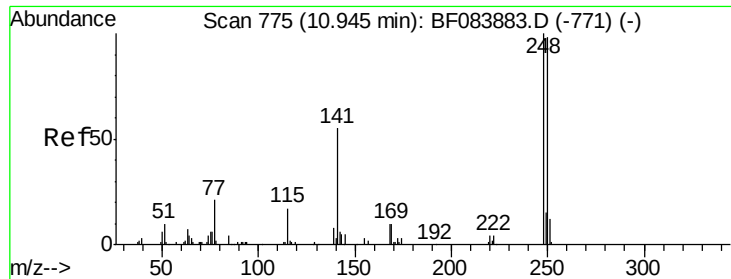


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

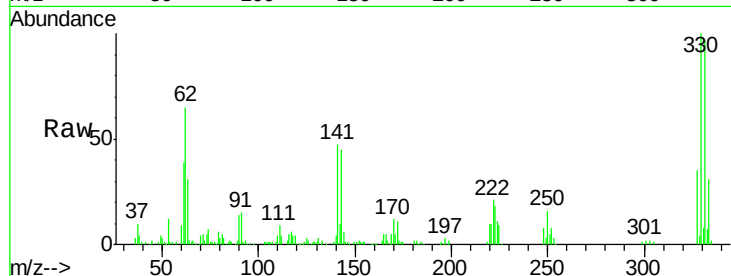




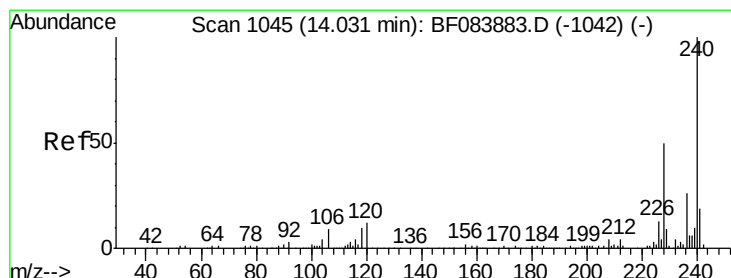
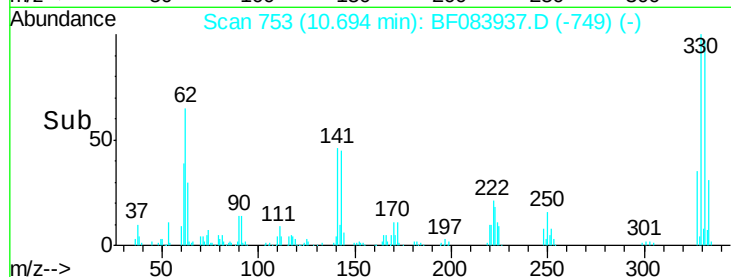
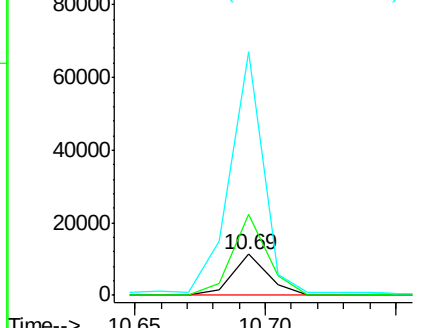
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.25 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Instrument :
 BNA_F
 ClientSampled :
 W-13

Tgt Ion:248 Resp: 10694
 Ion Ratio Lower Upper
 248 100
 250 198.5 78.4 117.6#
 141 595.3 44.0 66.0#

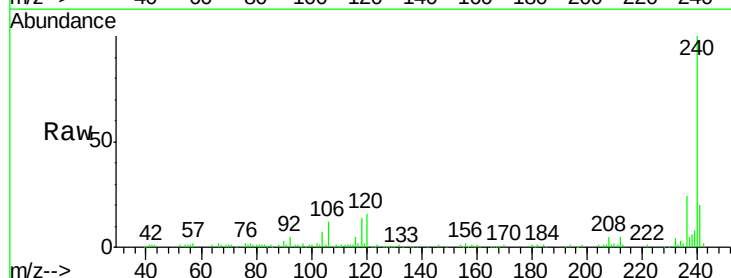


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

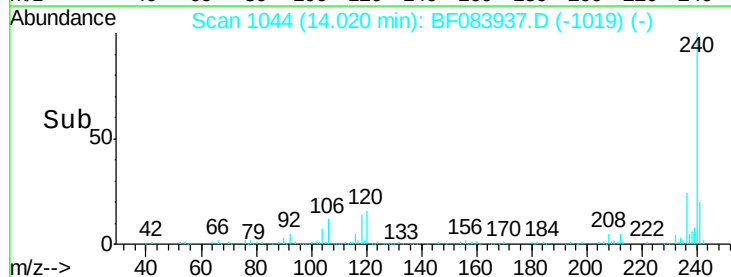
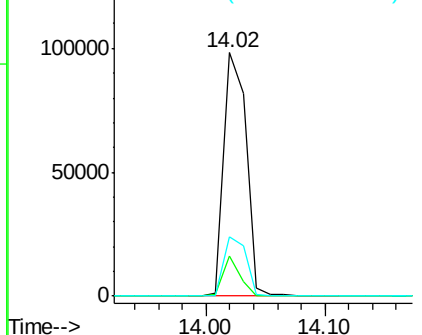


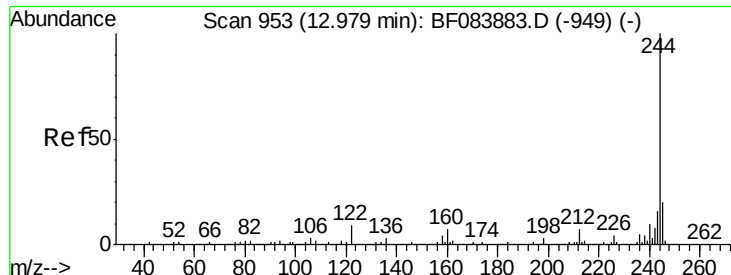
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BF083937.D
 Acq: 19 Dec 2015 2:53

Tgt Ion:240 Resp: 128241
 Ion Ratio Lower Upper
 240 100
 120 16.4 9.5 14.3#
 236 24.1 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: 115.14 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

Instrument :

BNA_F

ClientSampleId :

W-13

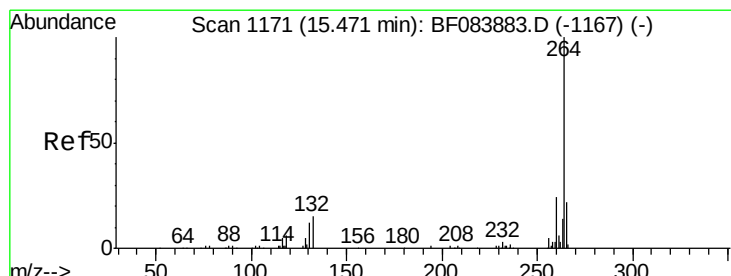
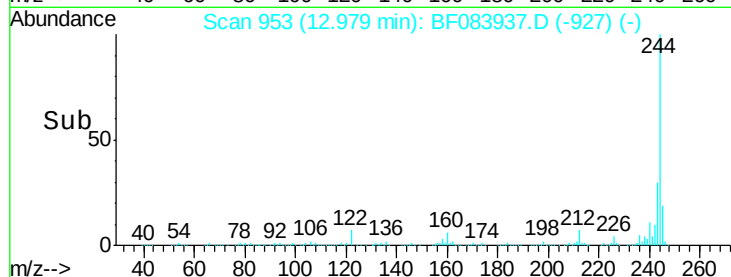
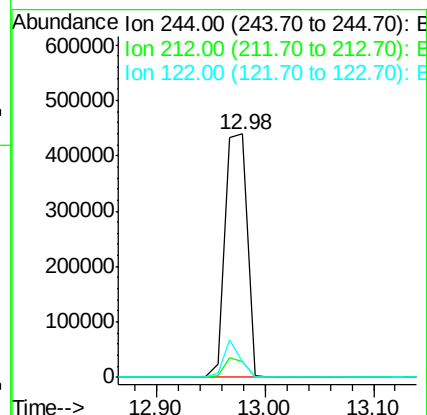
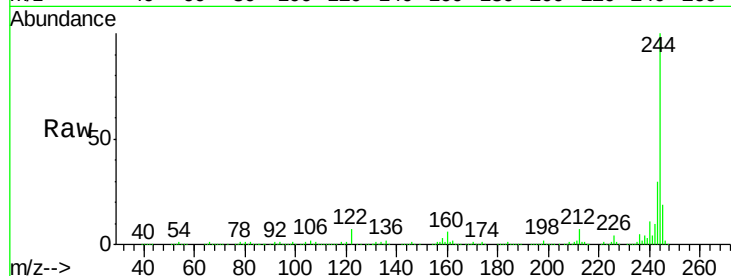
Tgt Ion:244 Resp: 619345

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 6.6 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF083937.D

Acq: 19 Dec 2015 2:53

Tgt Ion:264 Resp: 142731

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 21.4 17.8 26.6

