

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084068.D
 Acq On : 24 Dec 2015 7:35
 Operator : UM/SJ
 Sample : G4925-06
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 24 09:47:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	52212	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	193533	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	91011	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	126644	20.00	ng	0.00
75) Chrysene-d12	13.99	240	93450	20.00	ng	-0.01
86) Perylene-d12	15.41	264	83632	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	158312	51.70	ng	0.01
7) Phenol-d6	6.50	99	125807	34.94	ng	0.02
23) Nitrobenzene-d5	7.39	82	290858	92.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	89410	102.14	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	575722	85.13	ng	0.00
78) Terphenyl-d14	12.93	244	329329	84.04	ng	0.00

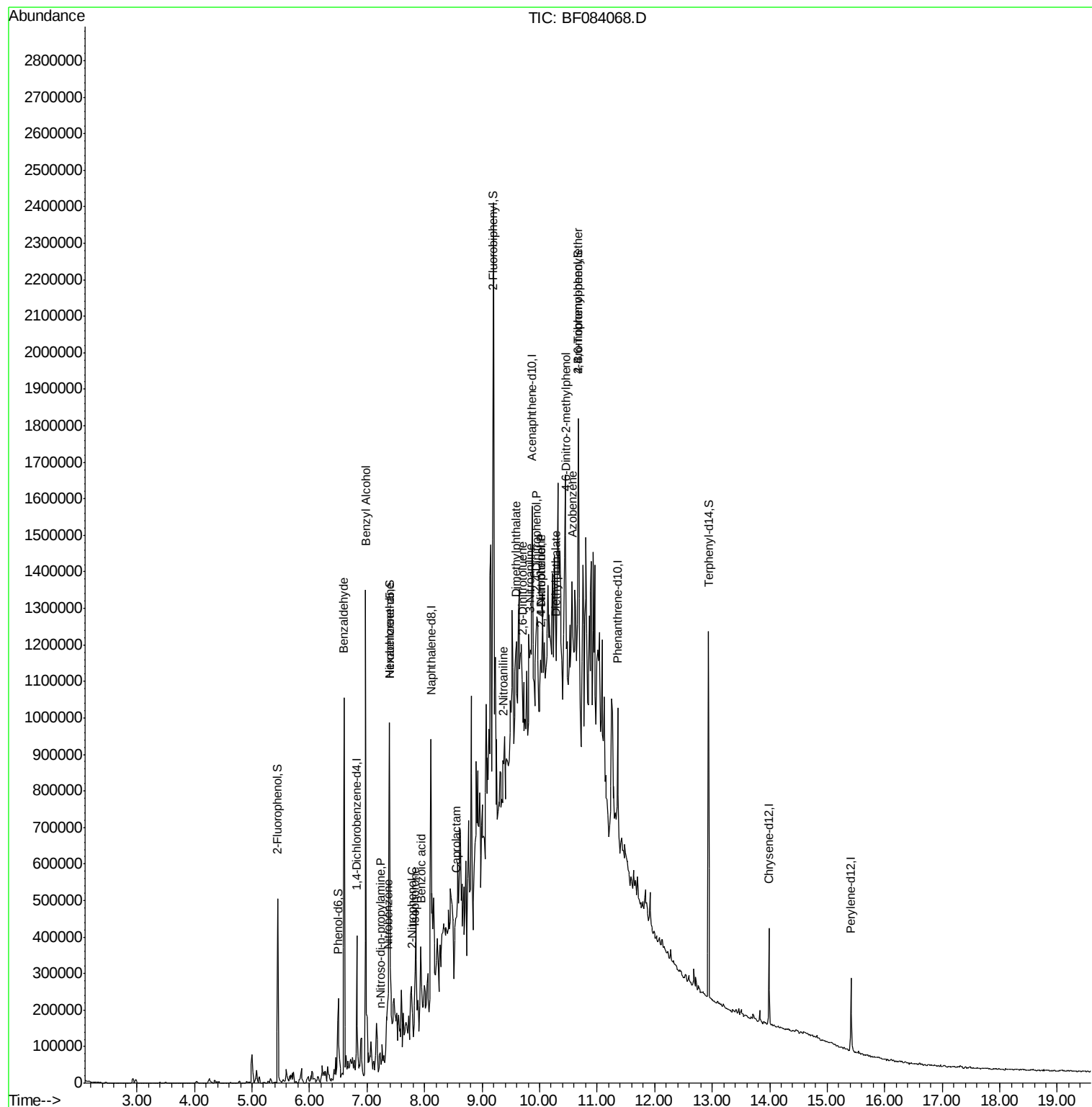
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	7875	3.27	ng	89
15) Benzyl Alcohol	6.98	79	9012	3.18	ng	# 40
18) Hexachloroethane	7.39	117	58471	41.68	ng	# 7
19) n-Nitroso-di-n-propylamine	7.23	70	5265	2.41	ng	# 15
24) Nitrobenzene	7.37	77	16489	5.08	ng	# 31
25) Isophorone	7.84	82	19749	3.31	ng	# 12
26) 2-Nitrophenol	7.78	139	7650	4.38	ng	# 1
32) Benzoic acid	7.94	122	1562	6.27	ng	# 1
35) Caprolactam	8.54	113	4737	5.79	ng	# 1
47) 2-Nitroaniline	9.37	65	4182	2.65	ng	# 46
49) Dimethylphthalate	9.60	163	17139	2.41	ng	# 71
50) 2,6-Dinitrotoluene	9.70	165	5889	3.92	ng	# 67
52) 3-Nitroaniline	9.82	138	25367	15.89	ng	# 6
53) 2,4-Dinitrophenol	9.94	184	716	9.01	ng	# 1
55) 4-Nitrophenol	10.02	139	13198	14.07	ng	# 7
56) 2,4-Dinitrotoluene	10.03	165	4999	2.65	ng	# 62
59) Diethylphthalate	10.28	149	39523	5.65	ng	# 71
62) Azobenzene	10.57	77	15560	2.52	ng	# 51
64) 4,6-Dinitro-2-methylphenol	10.45	198	1624	2.19	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	6355	4.38	ng	# 1

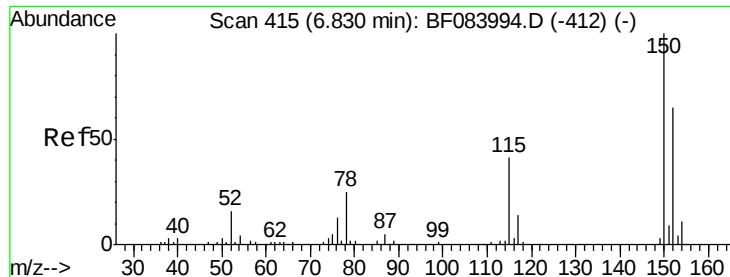
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampleId :

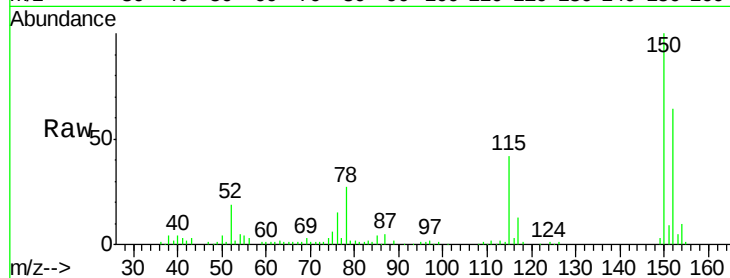
Tot Ion:152 Resp: 52212

Ion Ratio Lower Upper

152 100

150 156.2 123.0 184.4

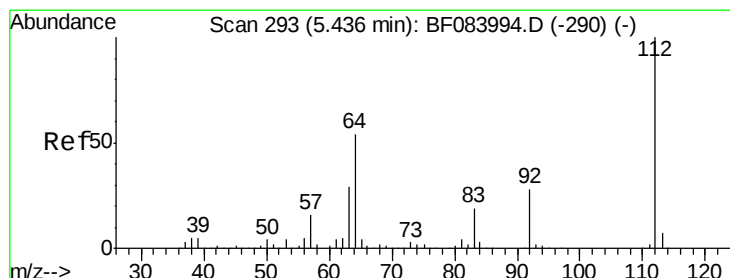
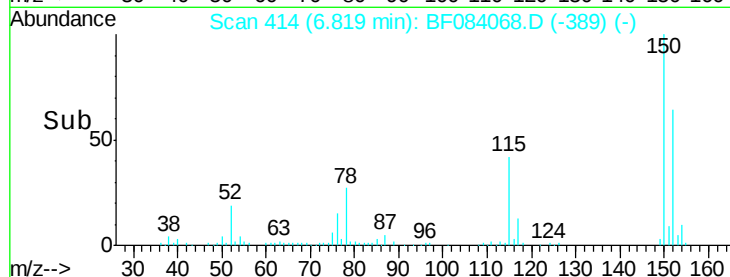
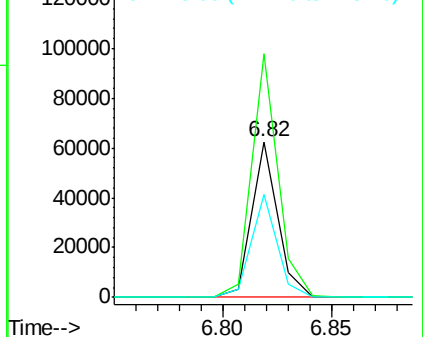
115 65.7 51.4 77.2



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: 51.70 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

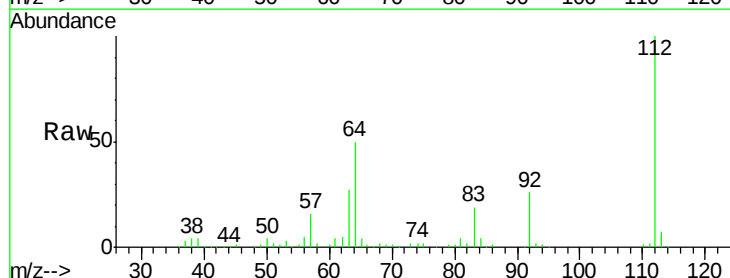
Tgt Ion:112 Resp: 158312

Ion Ratio Lower Upper

112 100

64 49.9 36.6 55.0

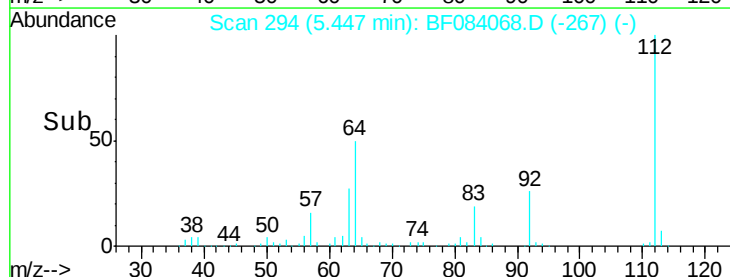
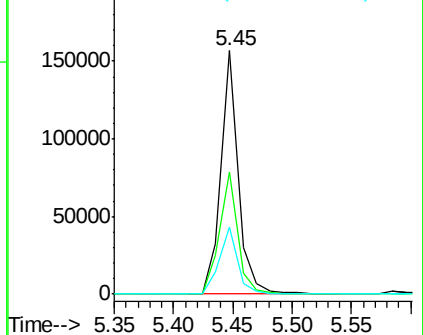
63 27.4 19.4 29.0

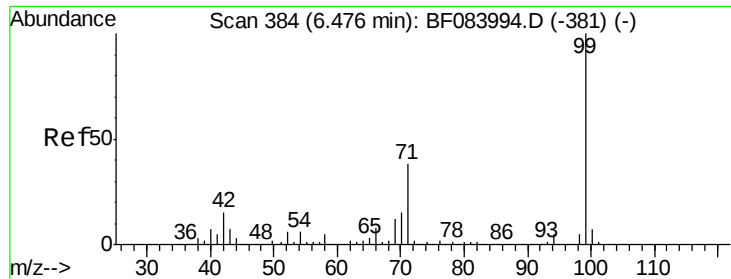


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.94 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampled :

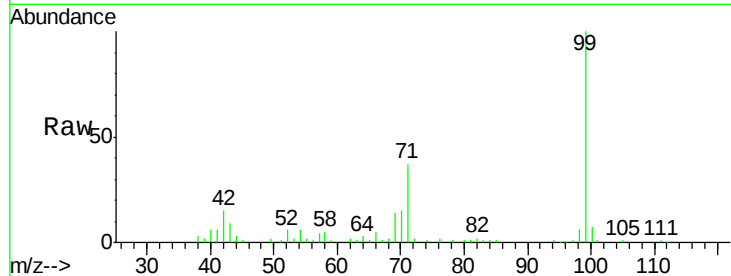
Tot Ion: 99 Resp: 125807

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

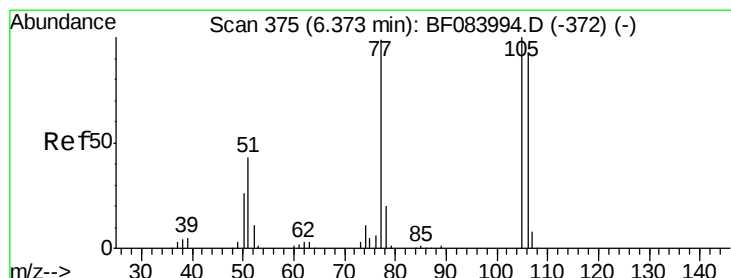
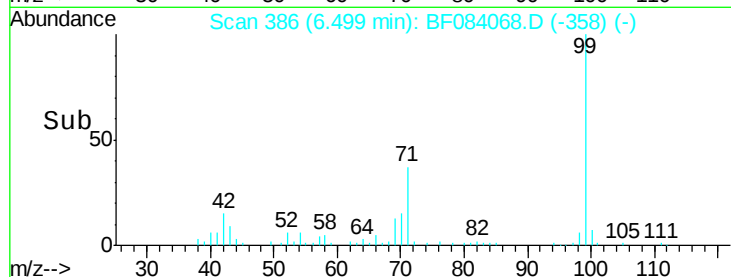
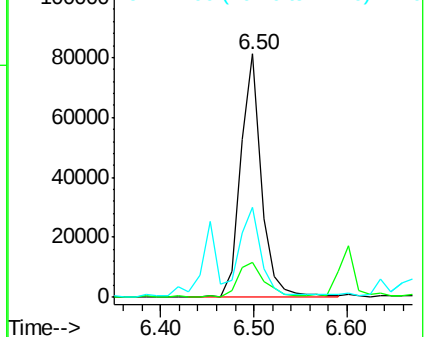
71 37.0 30.9 46.3



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: 3.27 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

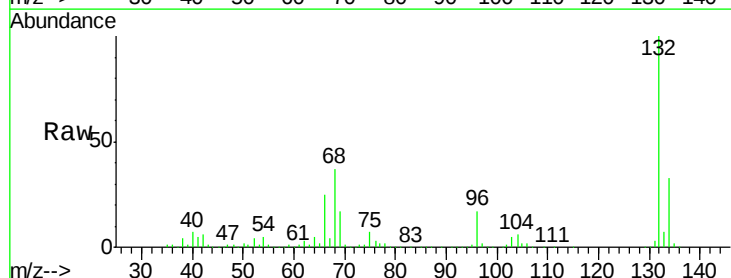
Tgt Ion: 77 Resp: 7875

Ion Ratio Lower Upper

77 100

105 88.7 83.0 123.0

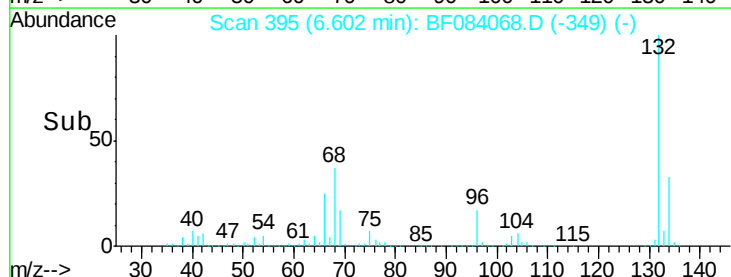
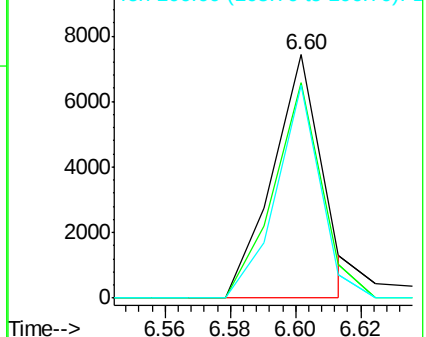
106 87.3 74.6 114.6

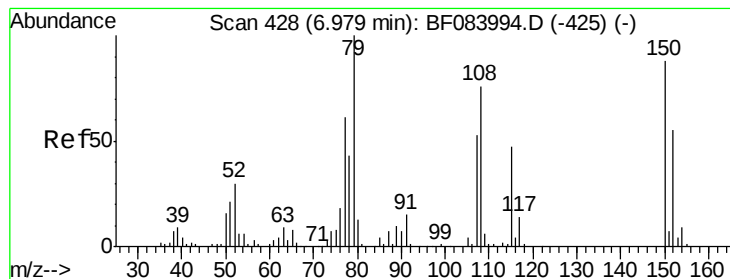


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.18 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampled :

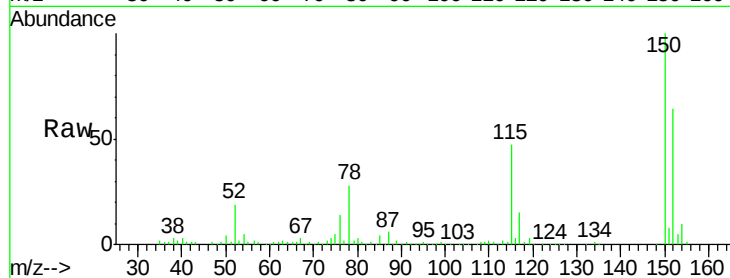
Tot Ion: 79 Resp: 9012

Ion Ratio Lower Upper

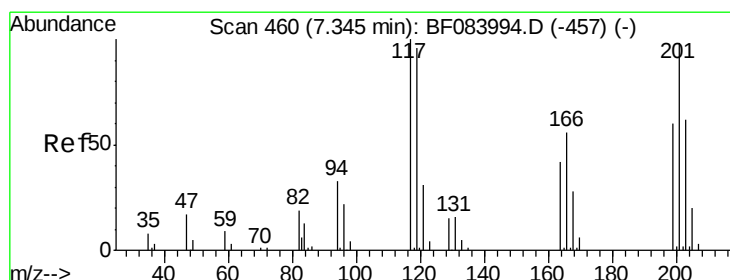
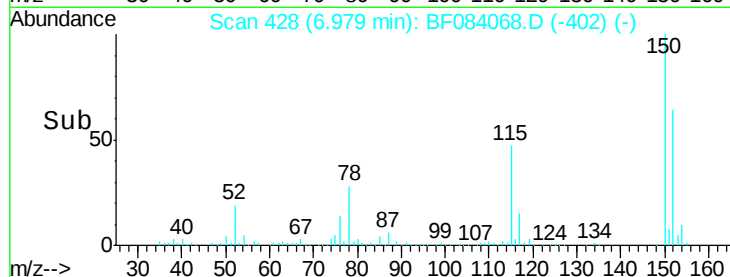
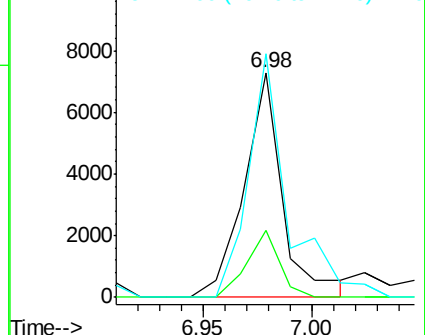
79 100

108 30.1 69.0 103.4#

77 108.4 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 41.68 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.05 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

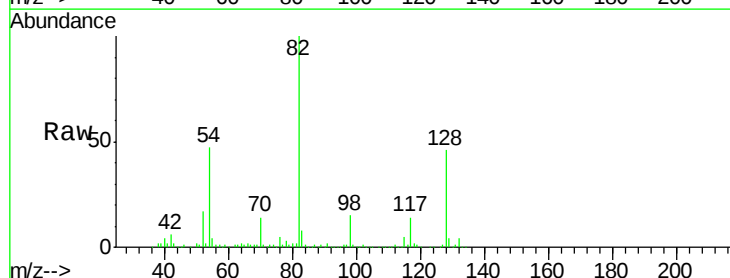
Tgt Ion: 117 Resp: 58471

Ion Ratio Lower Upper

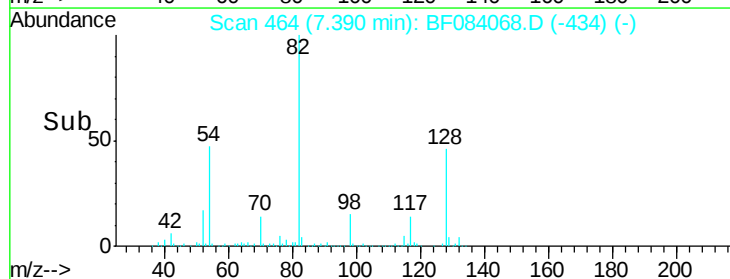
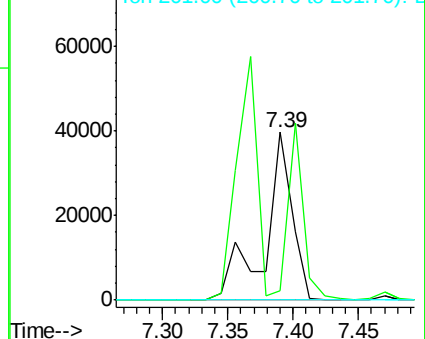
117 100

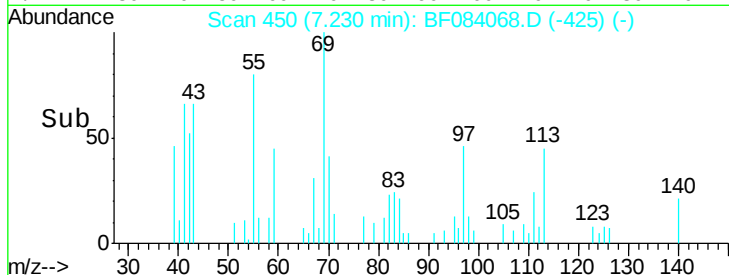
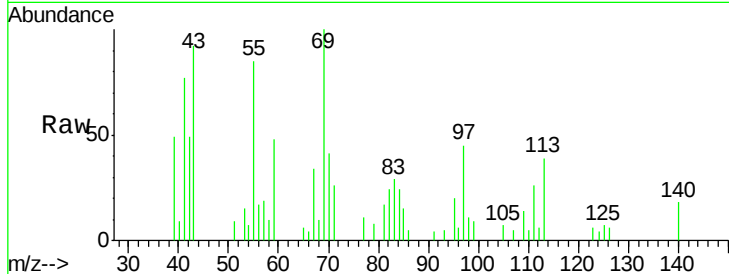
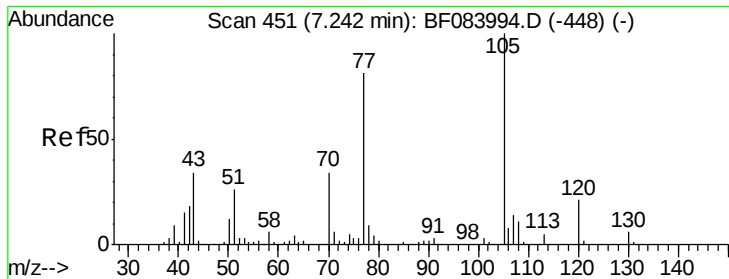
119 5.9 77.4 116.0#

201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): BF0
Ion 119.00 (118.70 to 119.70): BF0
Ion 201.00 (200.70 to 201.70): BF0

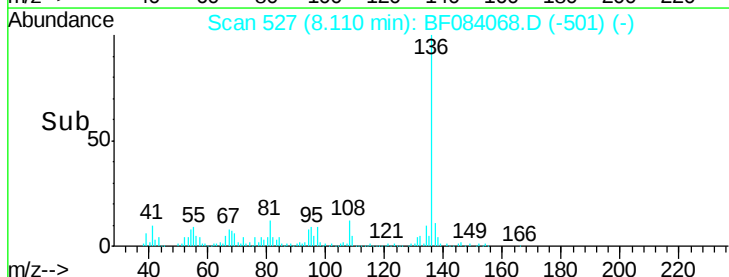
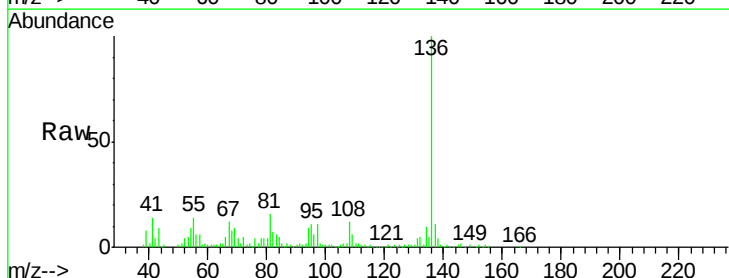
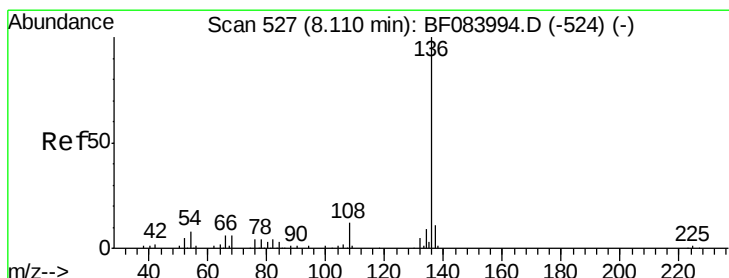
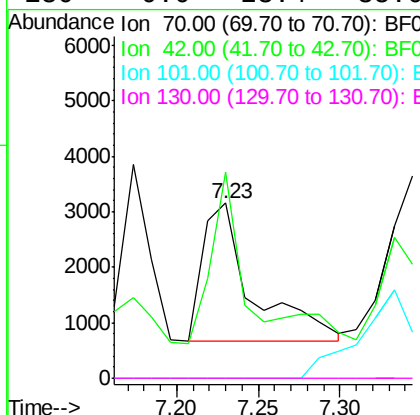




#19
n-Nitroso-di-n-propylamine
Concen: 2.41 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

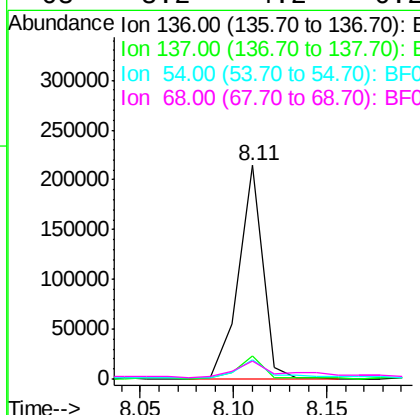
Instrument :
BNA_F
ClientSampled :

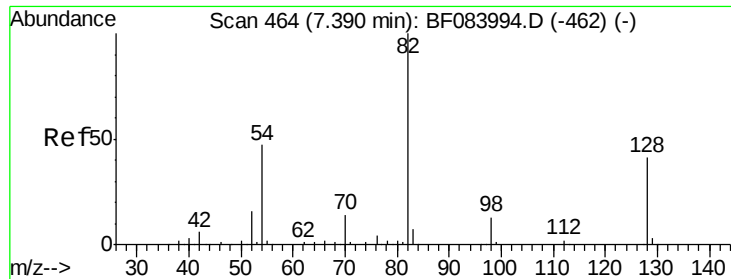
Tot Ion: 70 Resp: 5265
Ion Ratio Lower Upper
70 100
42 117.7 33.3 49.9#
101 0.0 9.3 13.9#
130 0.0 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion: 136 Resp: 193533
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.0 5.8 8.8#
68 8.2 4.2 6.2#

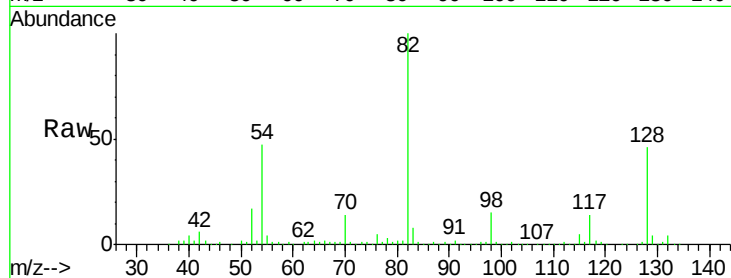




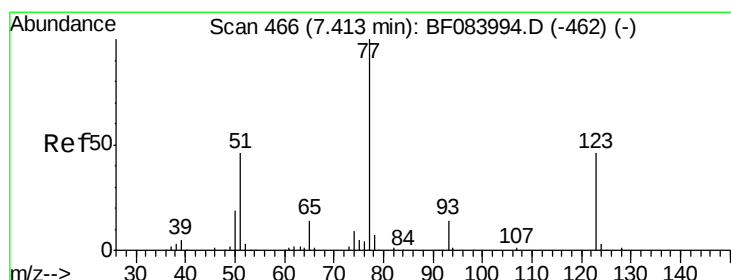
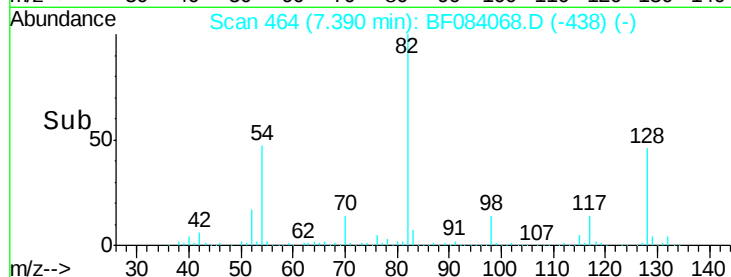
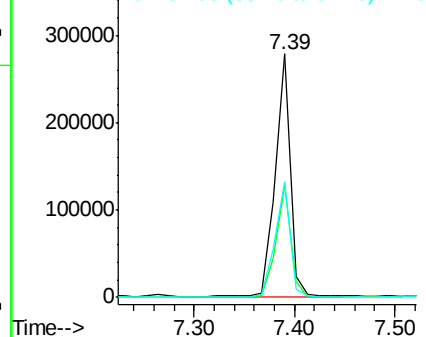
#23
Nitrobenzene-d5
Concen: 92.33 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	290858
Ion Ratio	100	Lower	Upper
128	45.7	34.6	51.8
54	47.3	38.4	57.6

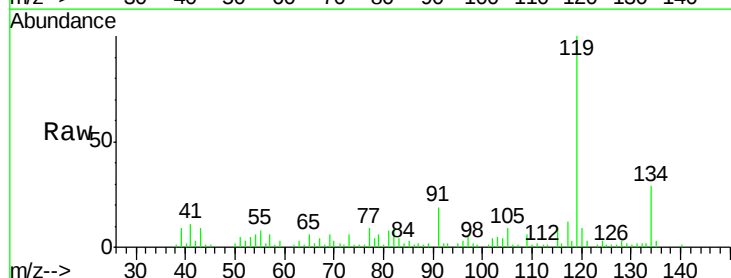


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

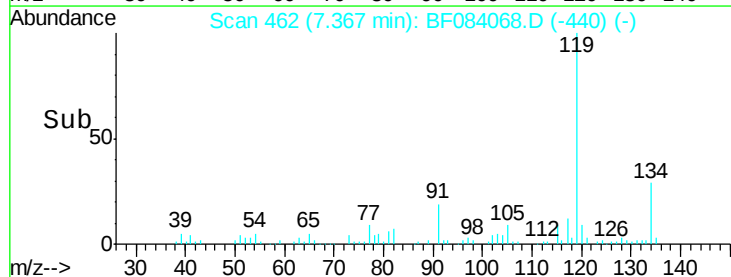
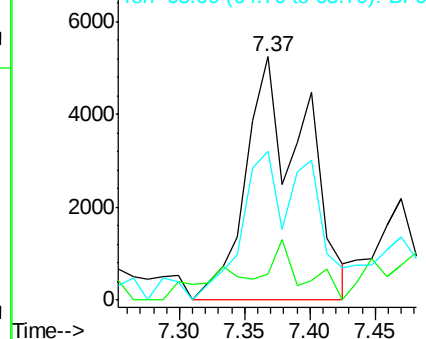


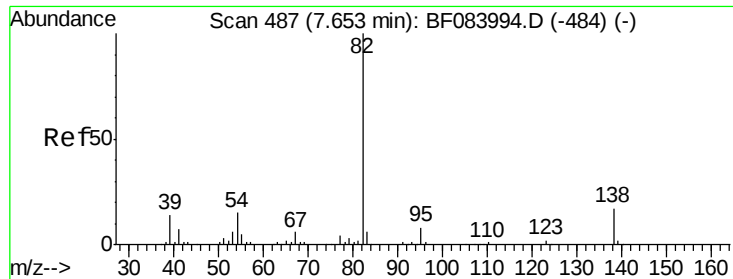
#24
Nitrobenzene
Concen: 5.08 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion	77	Resp	16489
Ion Ratio	100	Lower	Upper
123	10.6	37.4	56.2#
65	61.3	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 3.31 ng

RT: 7.84 min Scan# 503

Delta R.T. 0.18 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :
BNA_F
ClientSampleId :

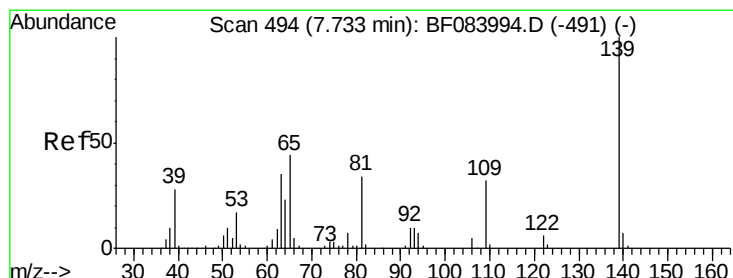
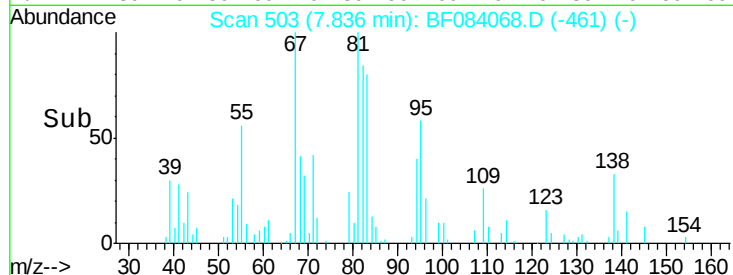
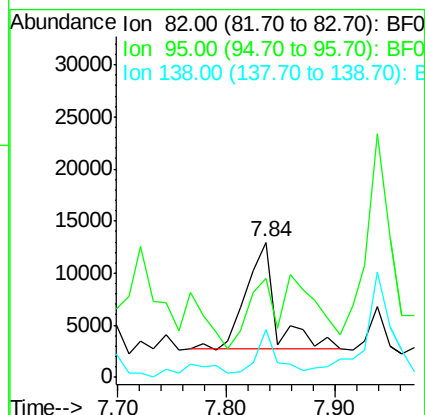
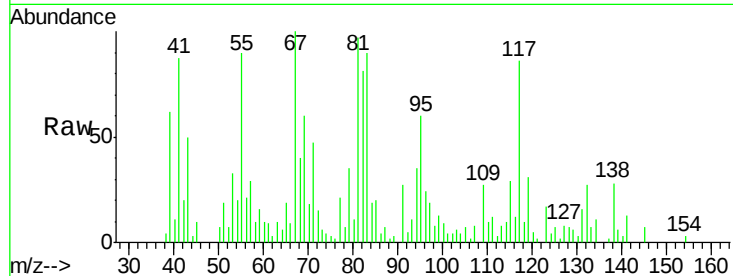
Tot Ion: 82 Resp: 19749

Ion Ratio Lower Upper

82 100

95 73.4 6.6 10.0#

138 34.9 13.6 20.4#



#26

2-Nitrophenol

Concen: 4.38 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.05 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

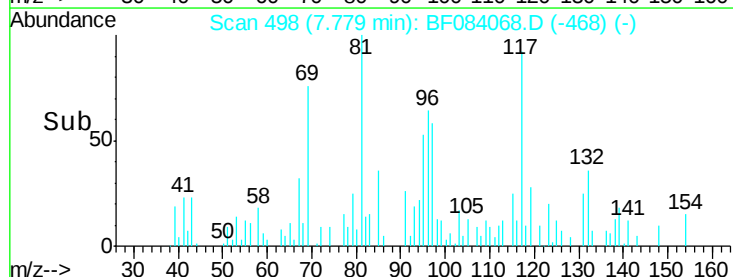
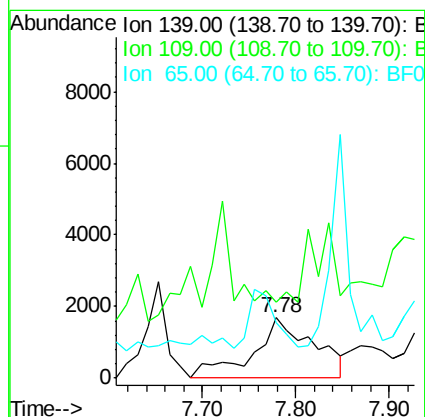
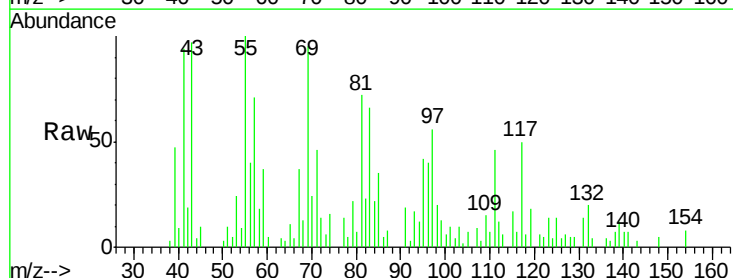
Tgt Ion: 139 Resp: 7650

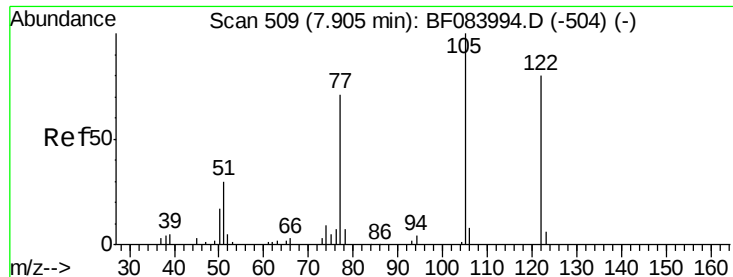
Ion Ratio Lower Upper

139 100

109 125.7 25.4 38.2#

65 91.6 32.3 48.5#

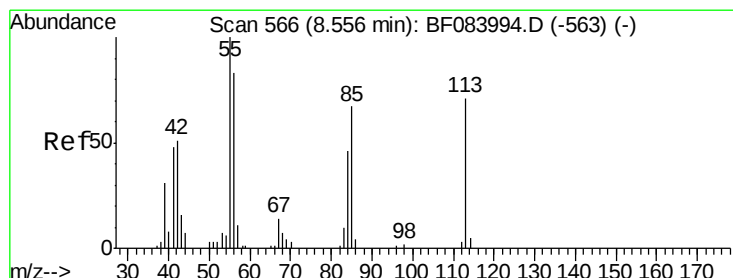
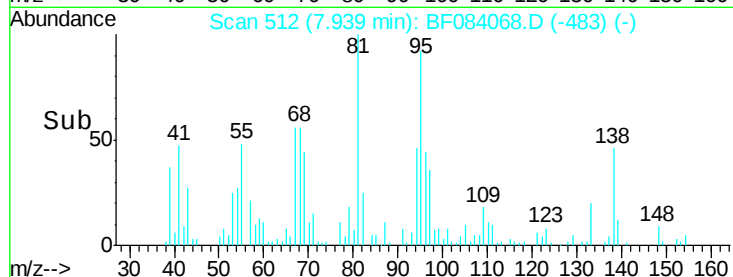
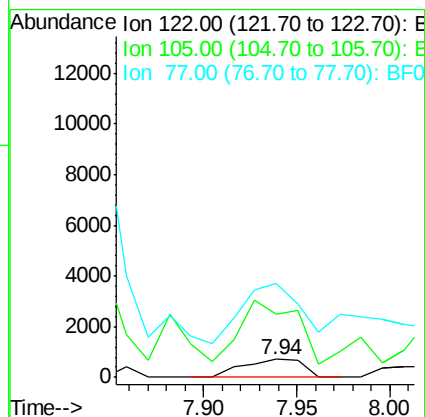
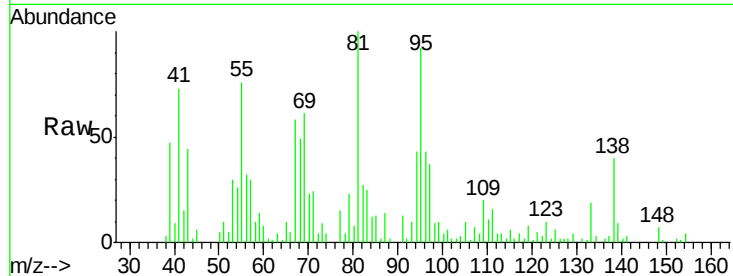




#32
Benzoic acid
Concen: 6.27 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.03 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

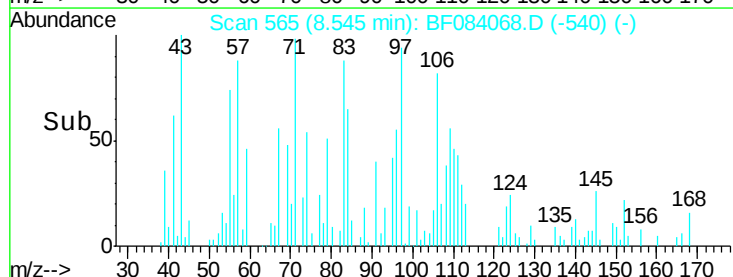
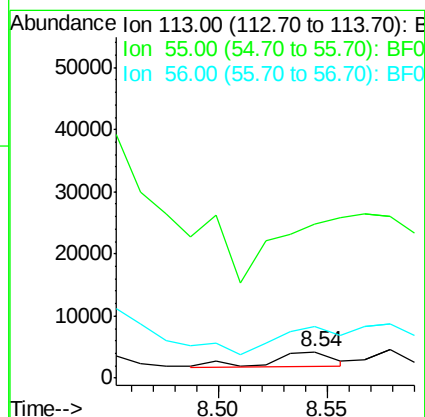
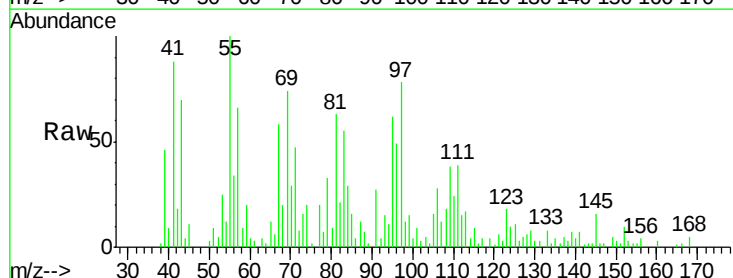
Instrument :
BNA_F
ClientSampleId :

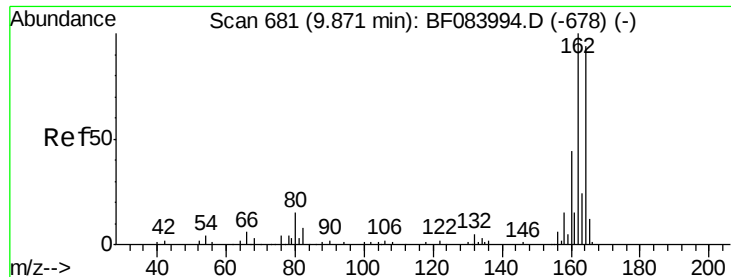
Tot Ion:122 Resp: 1562
Ion Ratio Lower Upper
122 100
105 351.6 100.3 140.3#
77 522.4 63.5 103.5#



#35
Caprolactam
Concen: 5.79 ng
RT: 8.54 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion:113 Resp: 4737
Ion Ratio Lower Upper
113 100
55 593.8 116.9 156.9#
56 199.7 93.8 133.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampleId :

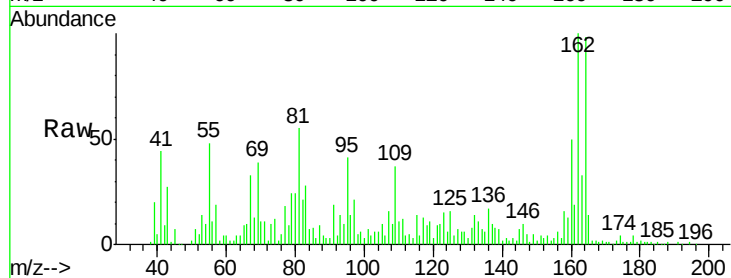
Tot Ion:164 Resp: 91011

Ion Ratio Lower Upper

164 100

162 102.1 85.1 127.7

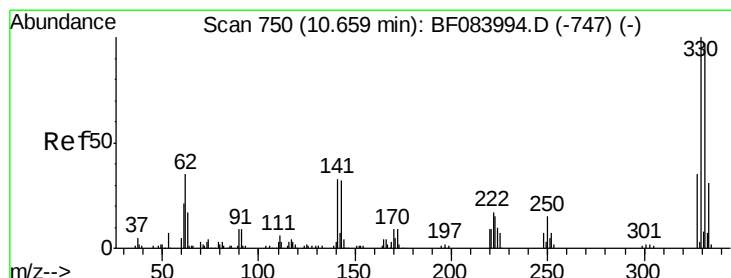
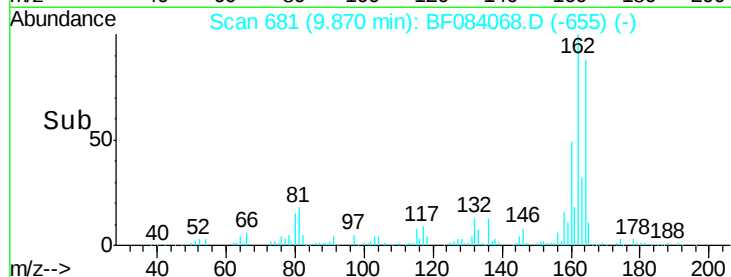
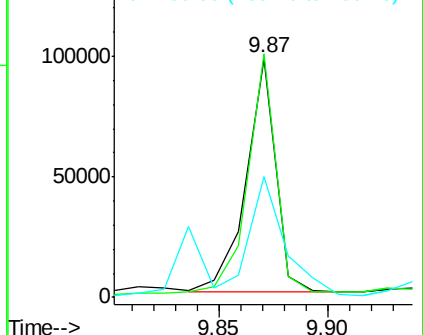
160 50.6 37.5 56.3



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: 102.14 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

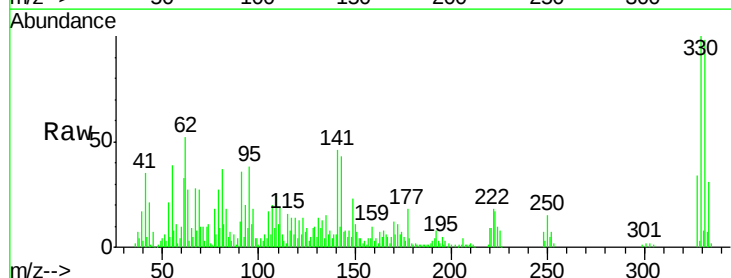
Tgt Ion:330 Resp: 89410

Ion Ratio Lower Upper

330 100

332 98.9 76.6 114.8

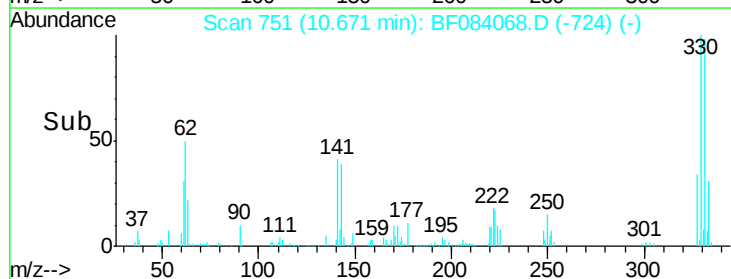
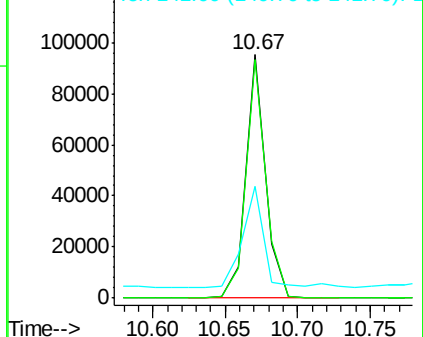
141 43.7 27.8 41.6#

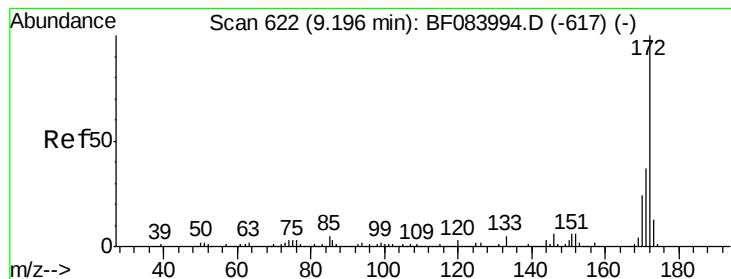


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.13 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampleId :

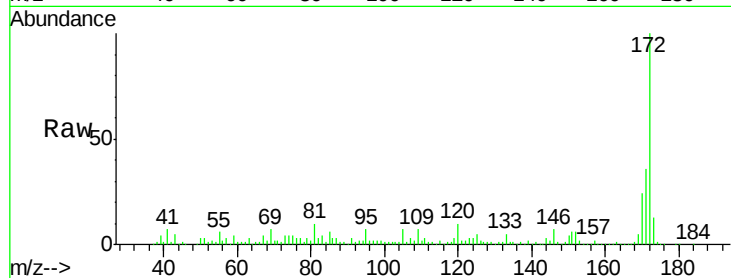
Tot Ion:172 Resp: 575722

Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

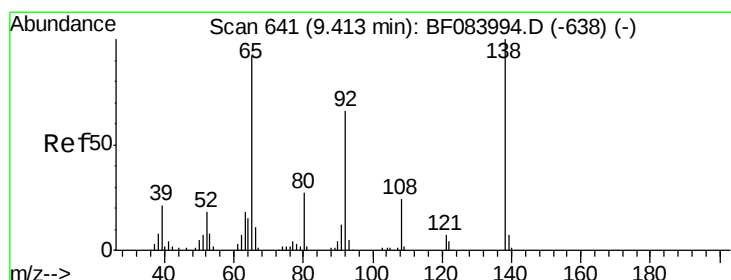
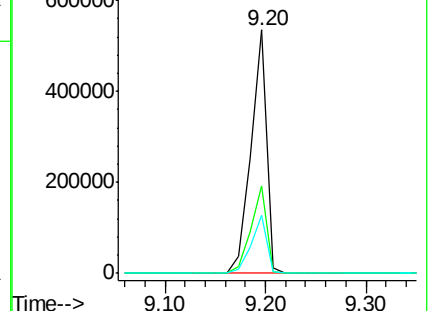
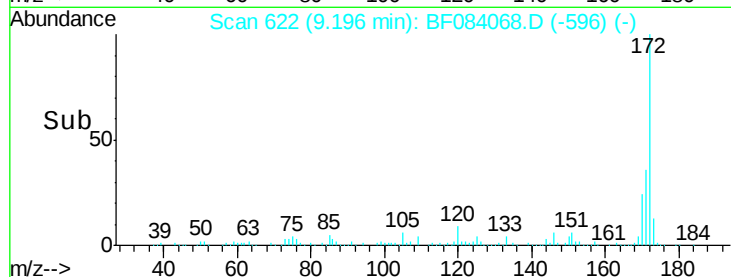
170 23.6 18.6 27.8



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



#47

2-Nitroaniline

Concen: 2.65 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.05 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

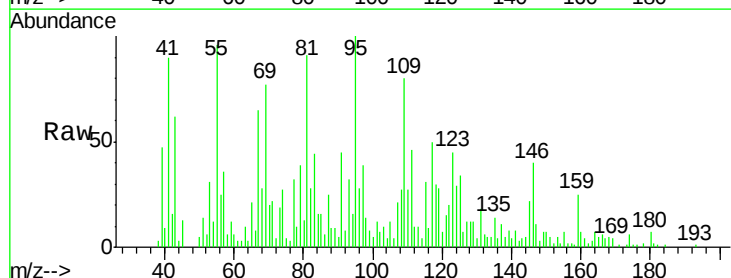
Tgt Ion: 65 Resp: 4182

Ion Ratio Lower Upper

65 100

92 41.0 53.4 80.2#

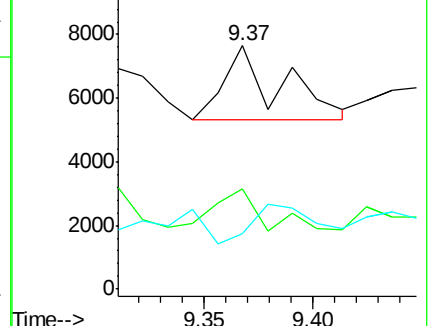
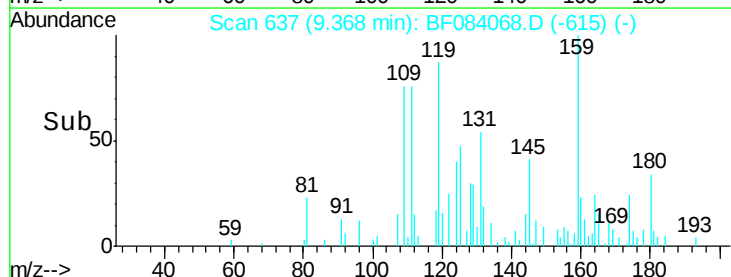
138 22.7 71.1 106.7#

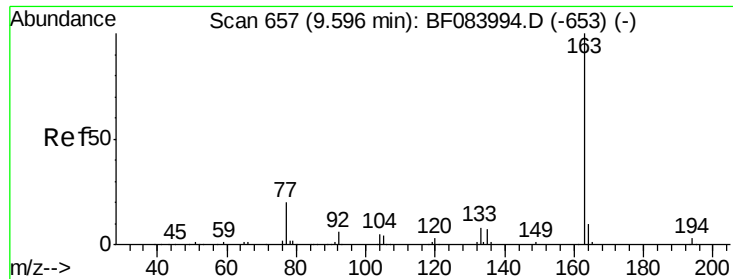


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

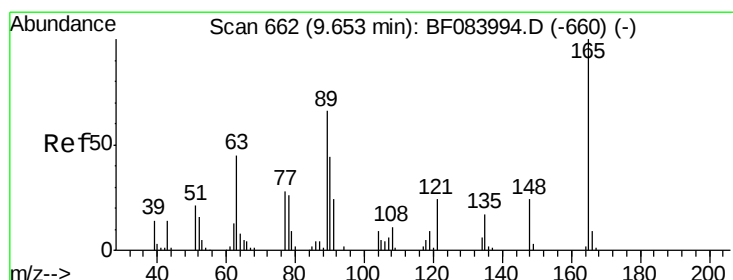
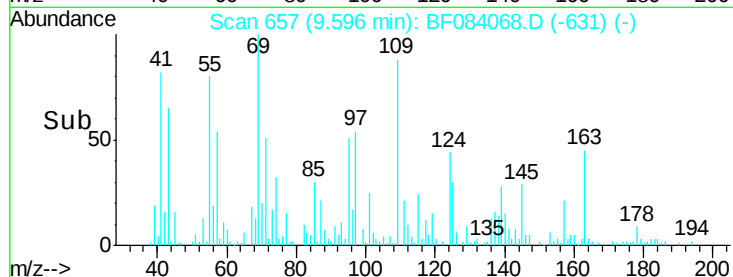
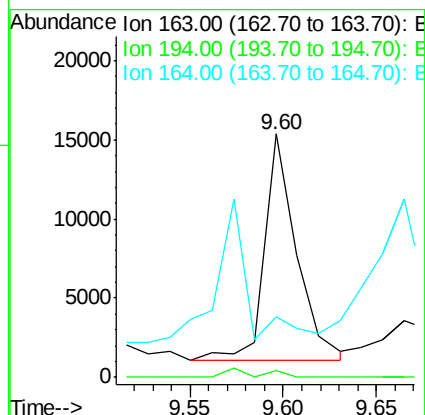
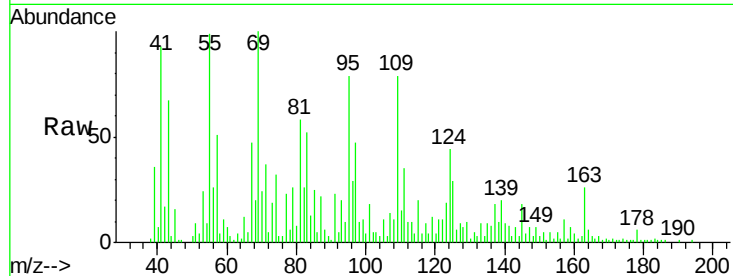




#49
Dimethylphthalate
Concen: 2.41 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

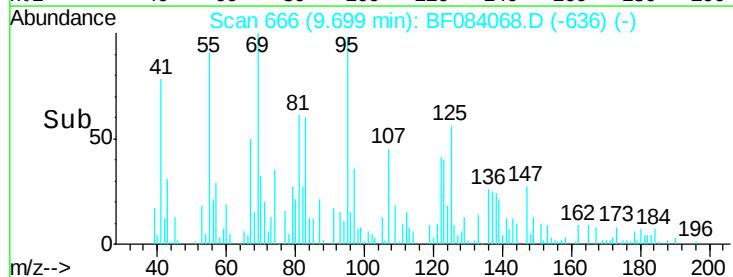
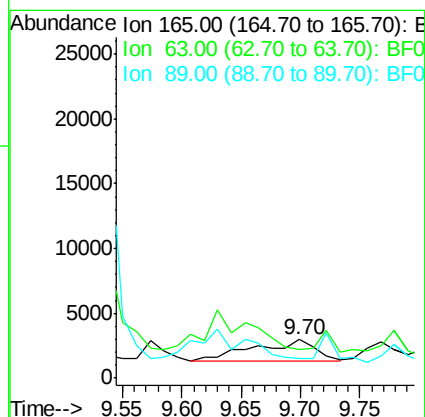
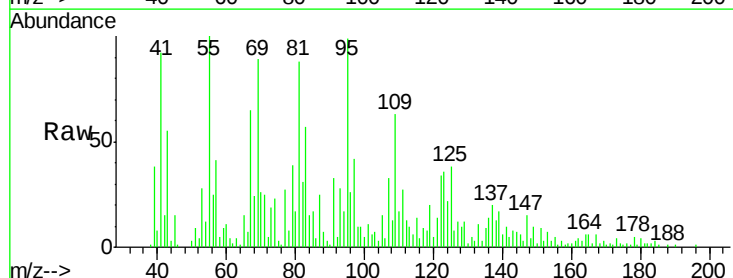
Instrument :
BNA_F
ClientSampleId :

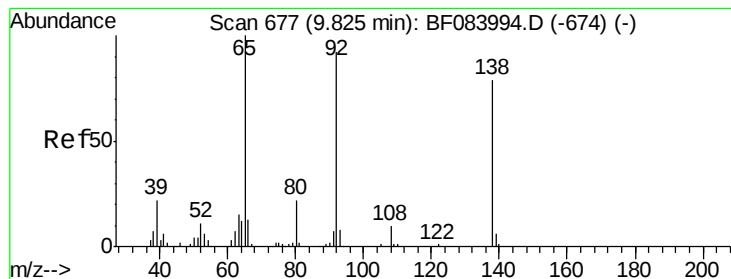
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	24.7	8.0	12.0#



#50
2,6-Dinitrotoluene
Concen: 3.92 ng
RT: 9.70 min Scan# 666
Delta R.T. 0.05 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	73.3	28.8	43.2#
89	49.6	35.1	52.7





#52

3-Nitroaniline

Concen: 15.89 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampleId :

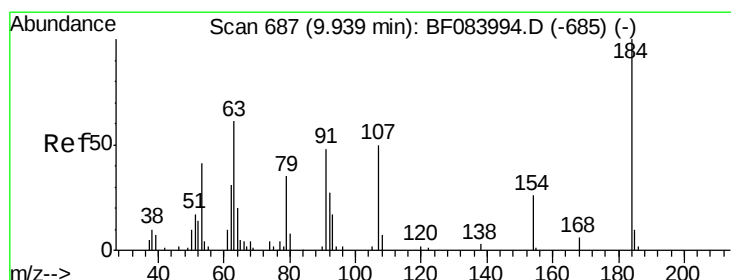
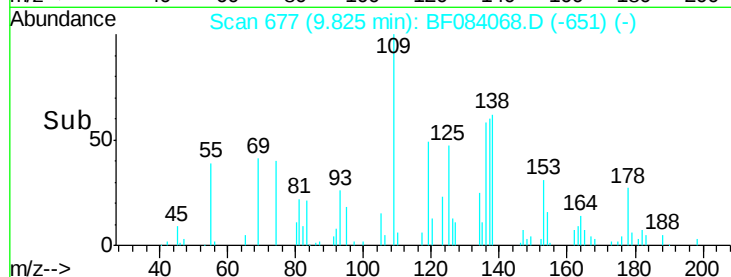
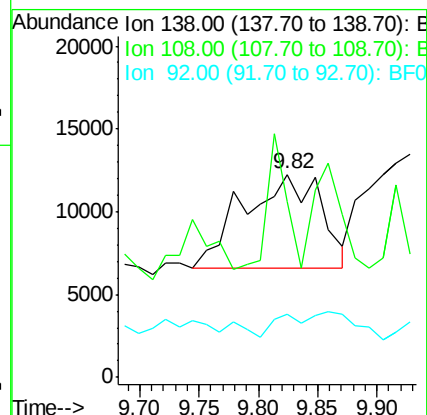
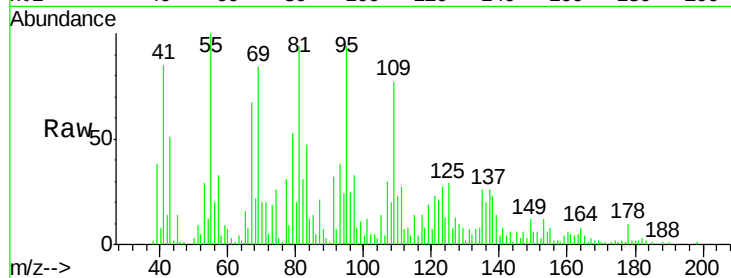
Tot Ion:138 Resp: 25367

Ion Ratio Lower Upper

138 100

108 86.7 10.5 15.7#

92 31.0 103.9 155.9#



#53

2,4-Dinitrophenol

Concen: 9.01 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

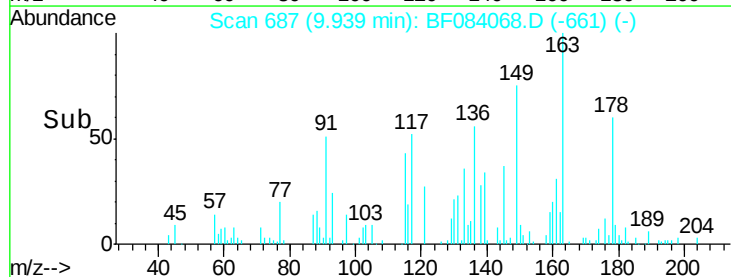
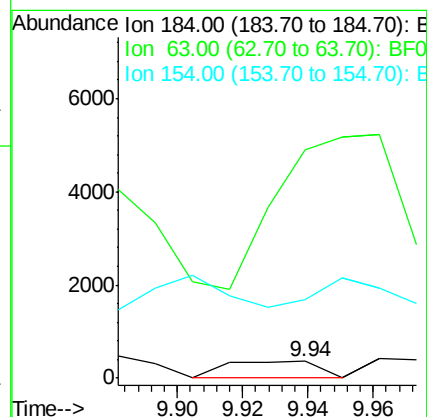
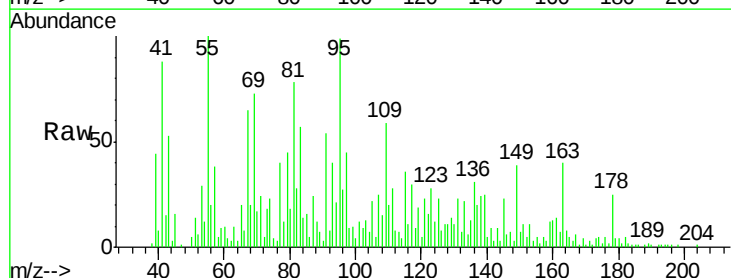
Tgt Ion:184 Resp: 716

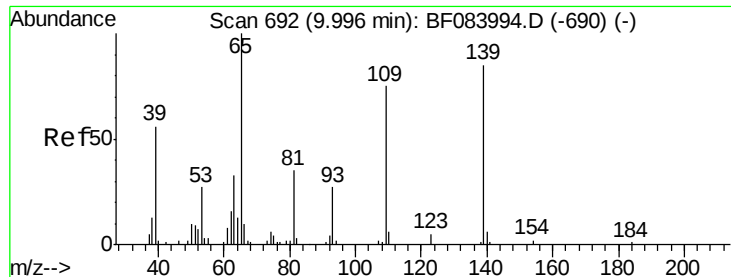
Ion Ratio Lower Upper

184 100

63 1358.9 43.1 64.7#

154 466.4 60.5 90.7#

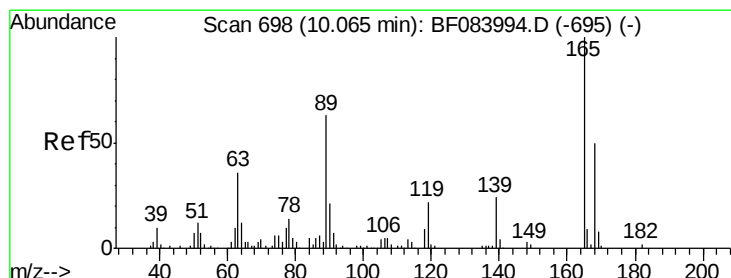
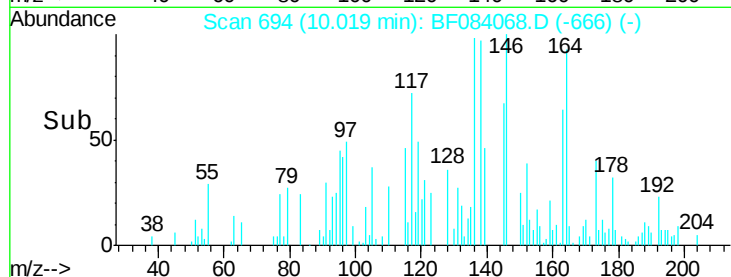
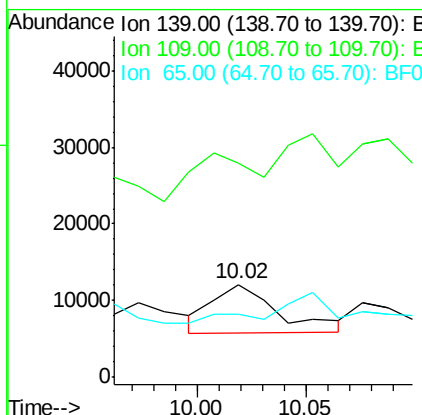
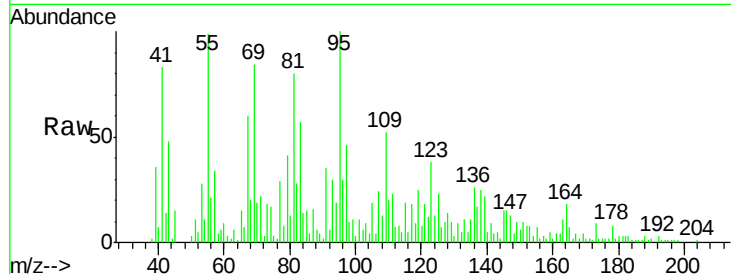




#55
4-Nitrophenol
Concen: 14.07 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

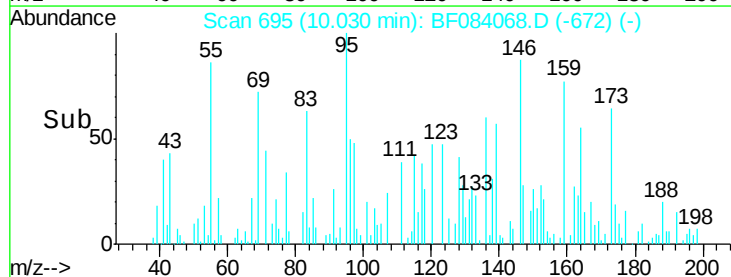
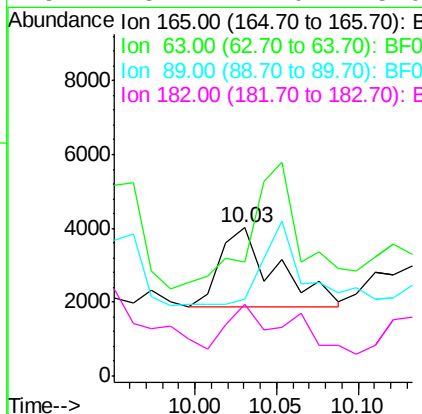
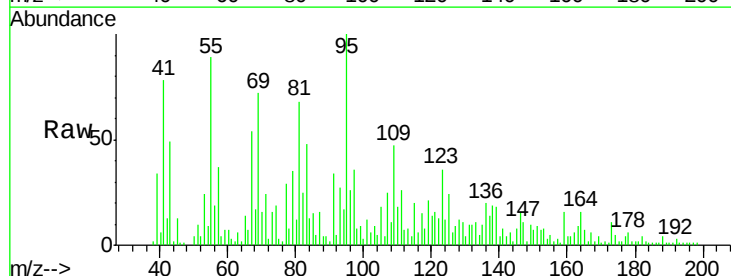
Instrument :
BNA_F
ClientSampled :

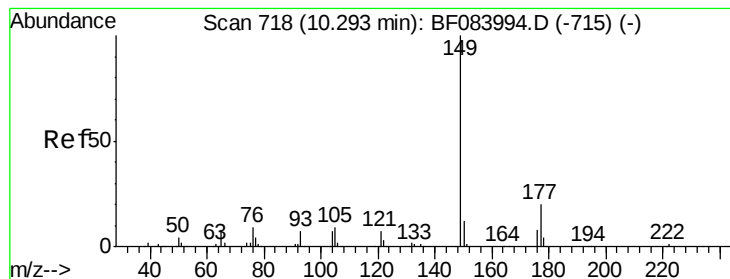
Tot Ion:139 Resp: 13198
Ion Ratio Lower Upper
139 100
109 230.5 58.5 98.5#
65 68.5 57.6 97.6



#56
2,4-Dinitrotoluene
Concen: 2.65 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.03 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion:165 Resp: 4999
Ion Ratio Lower Upper
165 100
63 77.1 36.7 55.1#
89 51.6 61.9 92.9#
182 48.7 2.0 3.0#





#59

Diethylphthalate

Concen: 5.65 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :

BNA_F

ClientSampled :

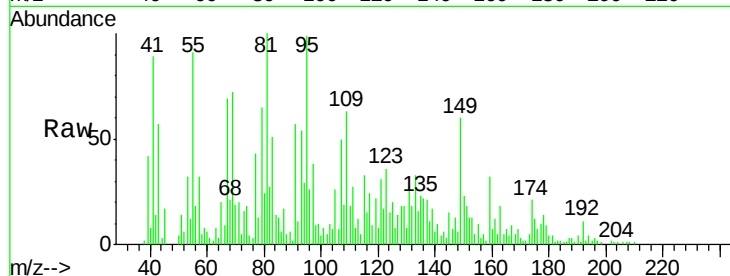
Tot Ion: 149 Resp: 39523

Ion Ratio Lower Upper

149 100

177 17.2 17.3 25.9#

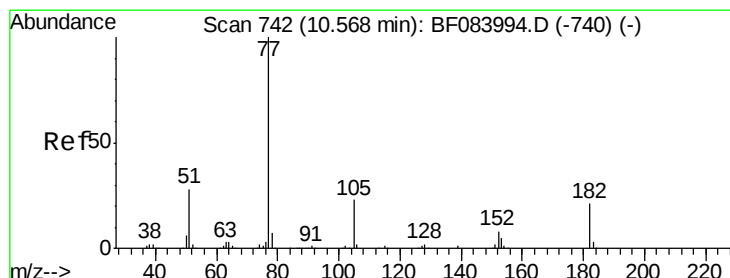
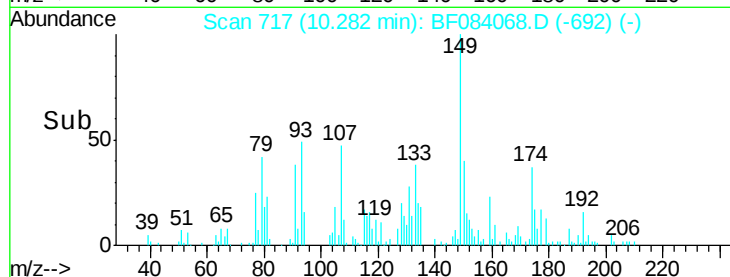
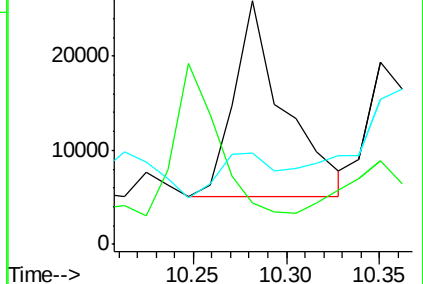
150 37.3 9.8 14.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 2.52 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Tgt Ion: 77 Resp: 15560

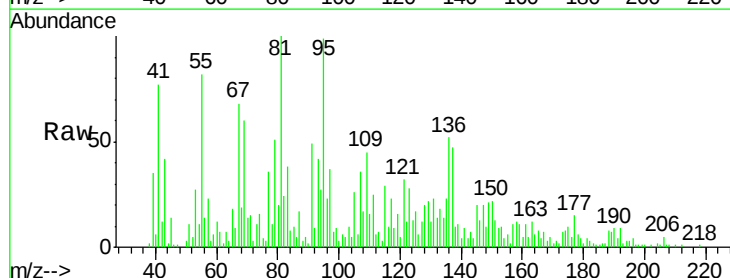
Ion Ratio Lower Upper

77 100

182 7.1 8.3 48.3#

105 73.9 4.6 44.6#

51 32.1 6.2 46.2

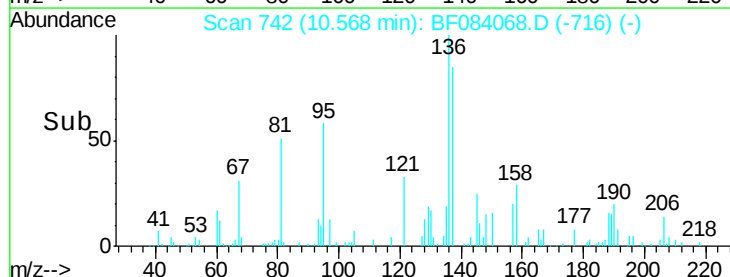
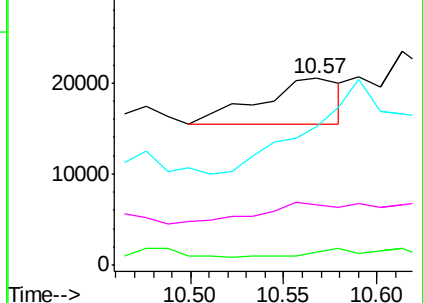


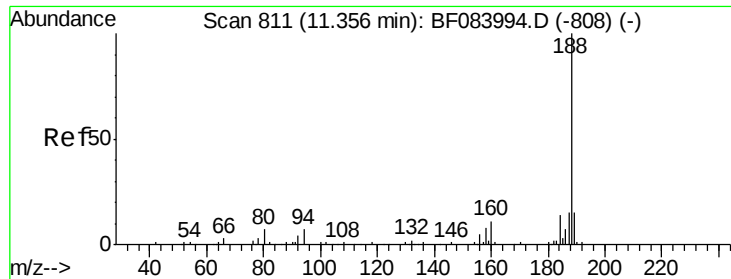
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

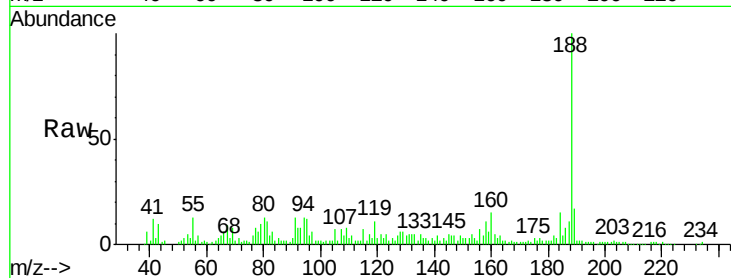




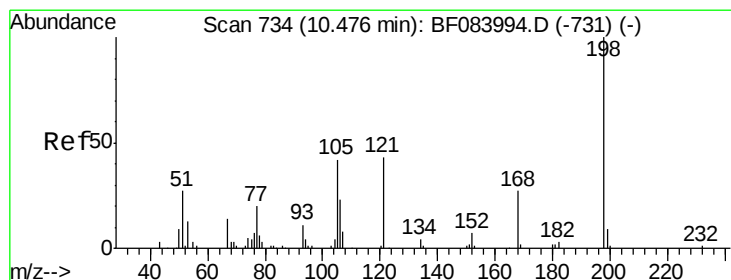
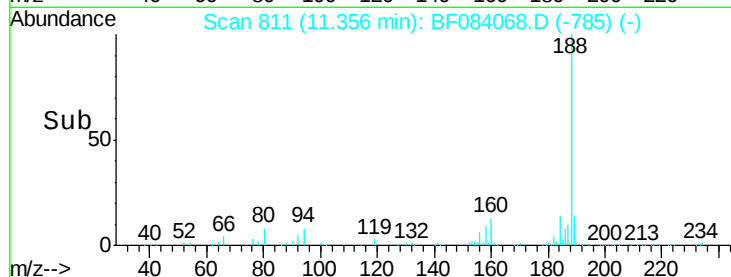
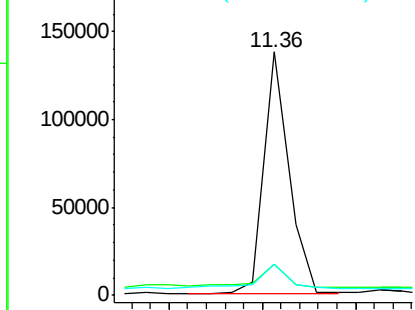
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 126644
Ion Ratio Lower Upper
188 100
94 12.7 9.0 13.4
80 12.8 9.6 14.4

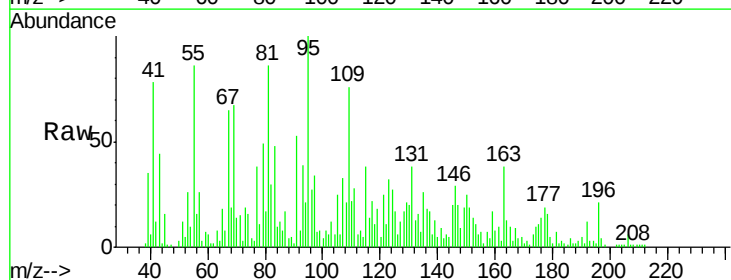


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

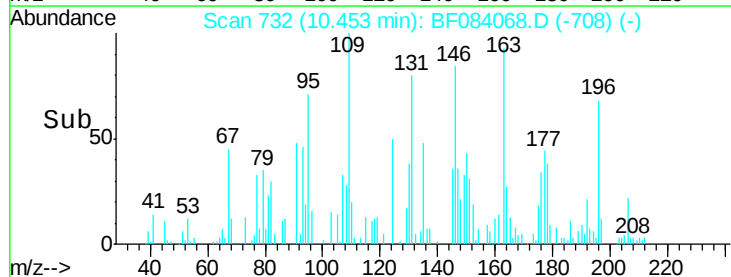
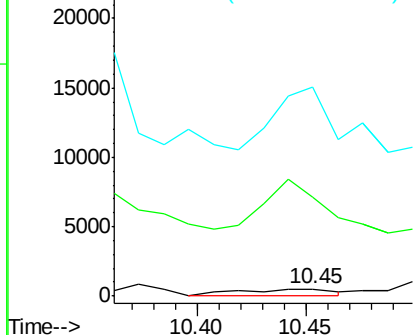


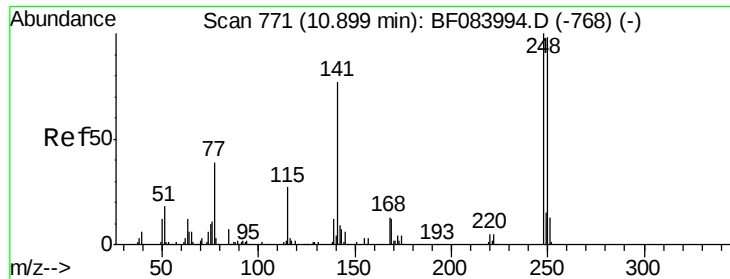
#64
4,6-Dinitro-2-methylphenol
Concen: 2.19 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion:198 Resp: 1624
Ion Ratio Lower Upper
198 100
51 1339.4 18.9 58.9#
105 2834.9 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

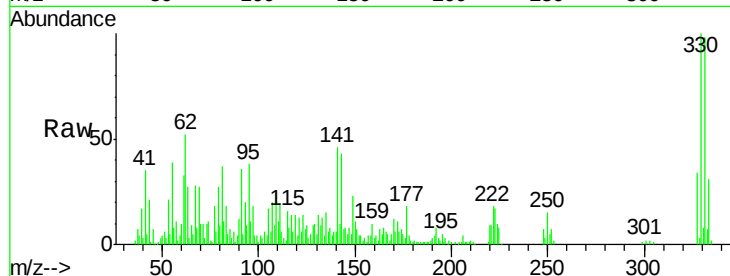




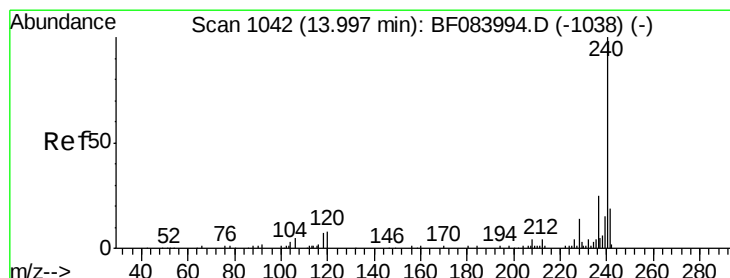
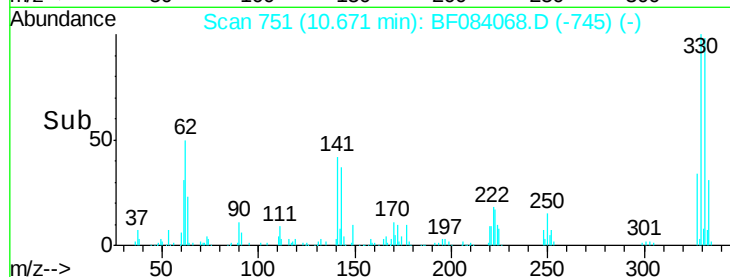
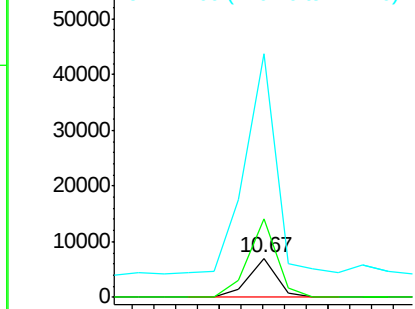
#66
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.23 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6355
Ion Ratio Lower Upper
248 100
250 201.9 78.4 117.6#
141 623.2 44.0 66.0#

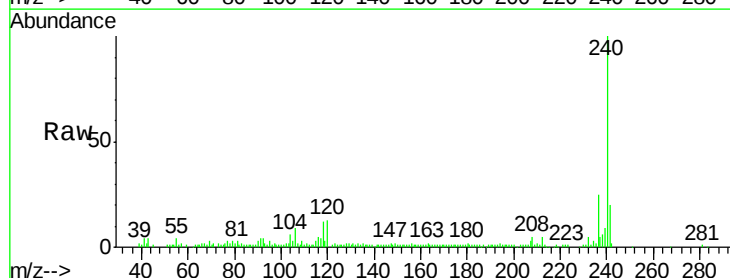


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

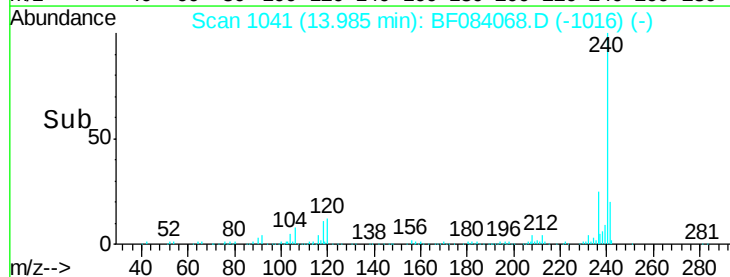
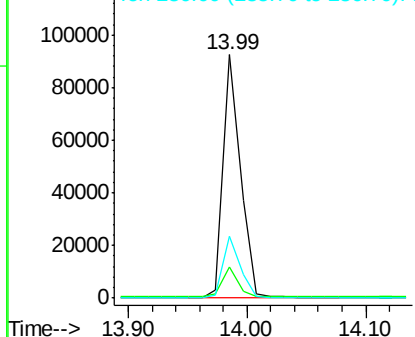


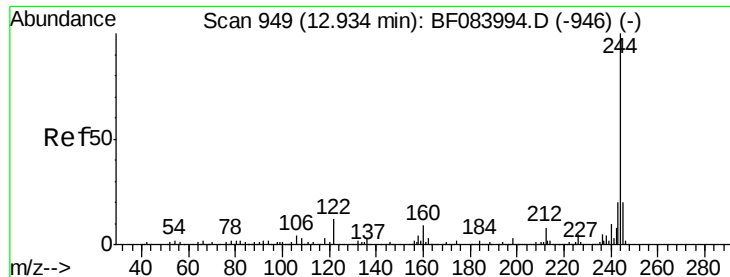
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084068.D
Acq: 24 Dec 2015 7:35

Tgt Ion:240 Resp: 93450
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.5 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: 84.04 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

Instrument :
BNA_F
ClientSampleId :

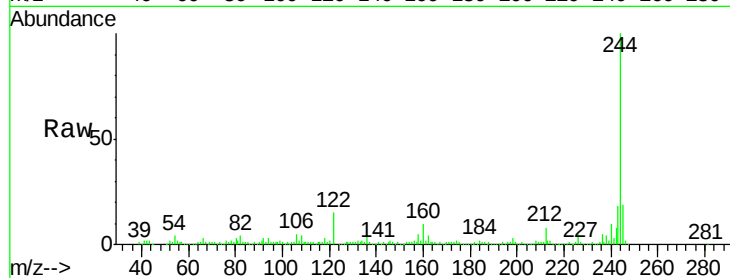
Tot Ion:244 Resp: 329329

Ion Ratio Lower Upper

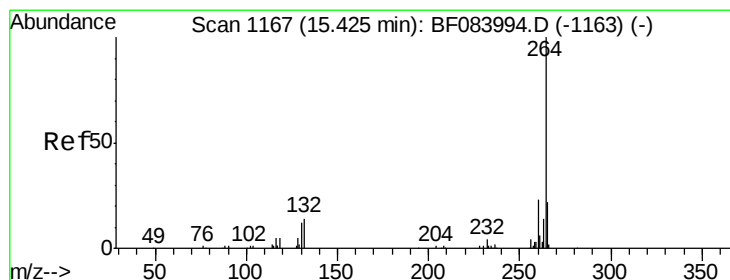
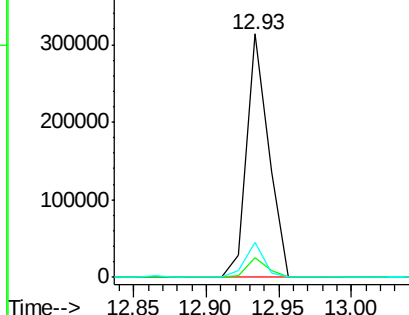
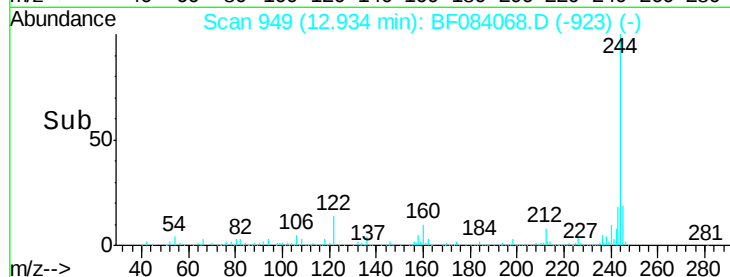
244 100

212 8.3 5.7 8.5

122 14.5 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: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF084068.D

Acq: 24 Dec 2015 7:35

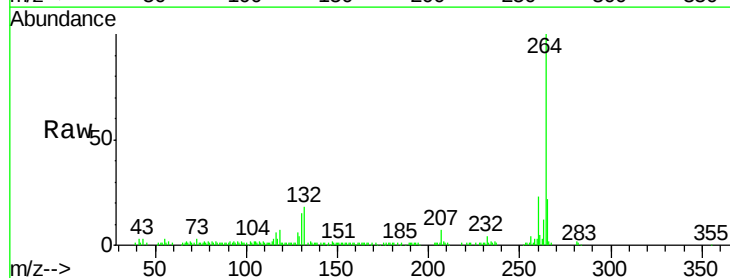
Tgt Ion:264 Resp: 83632

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.2

265 22.2 17.8 26.6



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

