

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083089.D
 Acq On : 20 Nov 2015 19:31
 Operator : UM/IZ
 Sample : G4426-05DL2 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 22:35:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

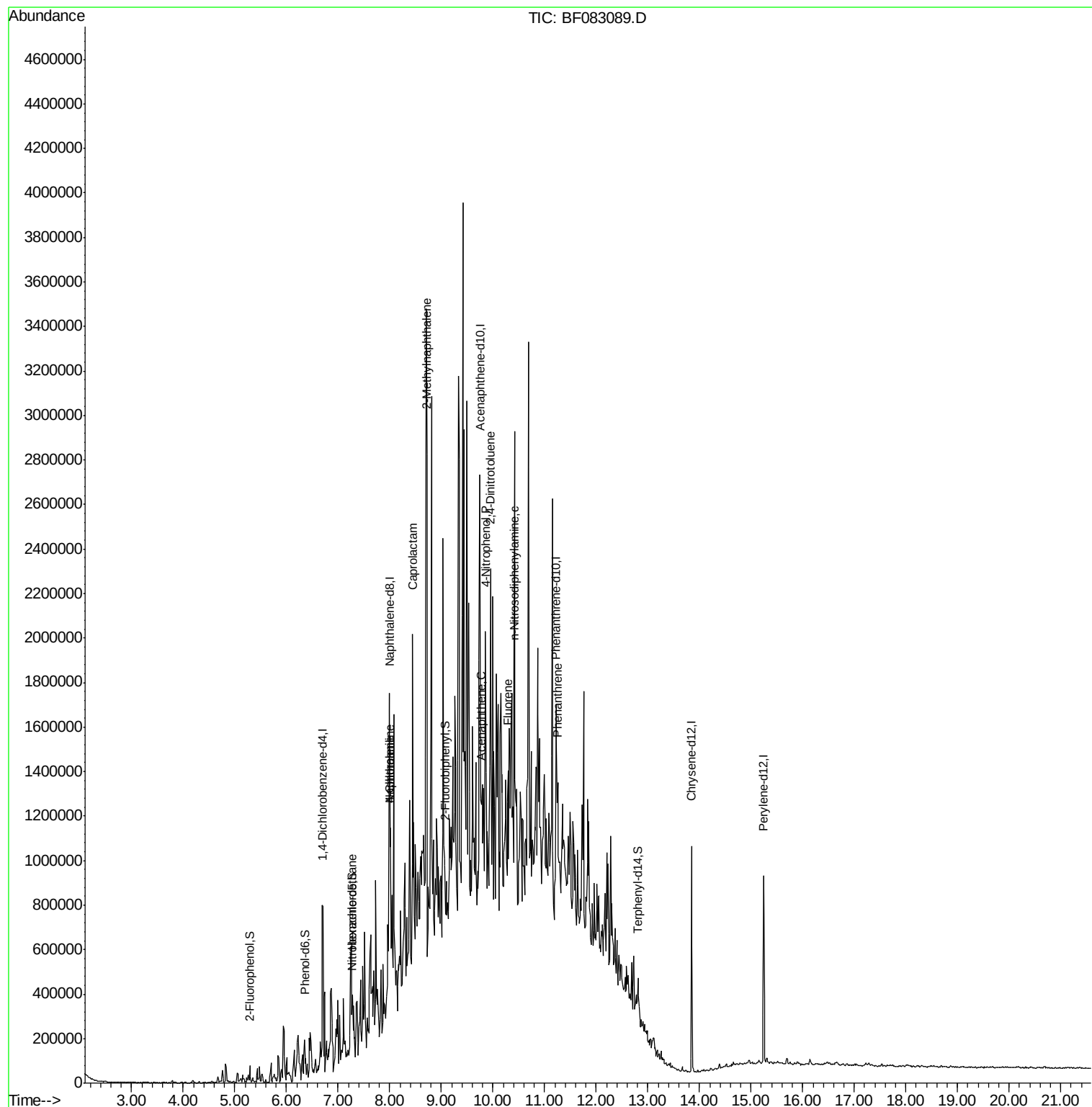
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	142997	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	560093	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	275479	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	451564	20.00	ng	0.00
75) Chrysene-d12	13.85	240	425105	20.00	ng	-0.01
86) Perylene-d12	15.24	264	364253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	22558	2.45	ng	0.00
7) Phenol-d6	6.35	99	39302	3.24	ng	0.00
23) Nitrobenzene-d5	7.26	82	35469	2.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	2562	0.88	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	56608	2.77	ng	-0.01
78) Terphenyl-d14	12.81	244	46600	2.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.22	77	1206	Below Cal	#	33
18) Hexachloroethane	7.28	117	88530	20.69	ng	# 5
31) Naphthalene	8.01	128	387319	13.27	ng	98
33) 4-Chloroaniline	8.01	127	65079	5.13	ng	# 34
35) Caprolactam	8.44	113	33310	12.12	ng	# 48
37) 2-Methylnaphthalene	8.72	142	1003649	51.66	ng	96
51) Acenaphthene	9.78	154	55522	2.89	ng	95
55) 4-Nitrophenol	9.86	139	39933	10.43	ng	# 56
56) 2,4-Dinitrotoluene	9.95	165	18373	2.81	ng	# 45
57) Fluorene	10.29	166	103439	5.00	ng	# 90
65) n-Nitrosodiphenylamine	10.41	169	191857	12.12	ng	# 53
70) Phenanthrene	11.25	178	295749	10.86	ng	# 93

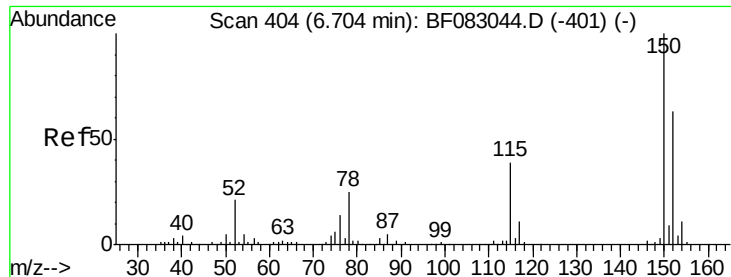
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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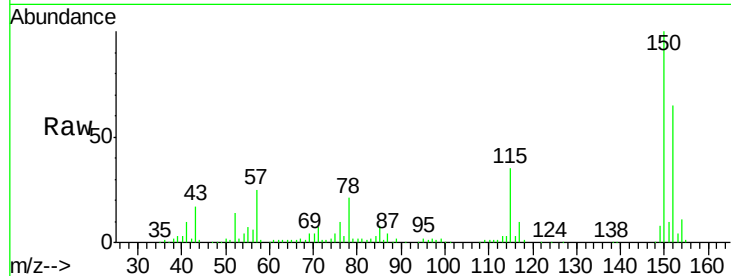


#1

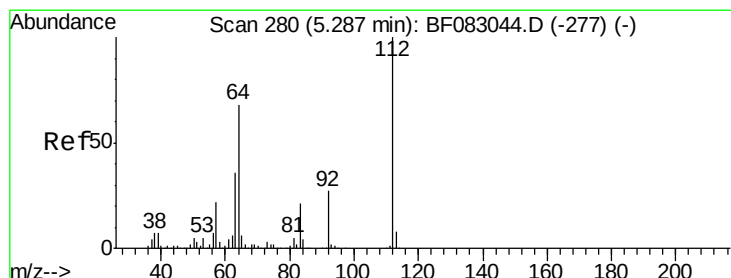
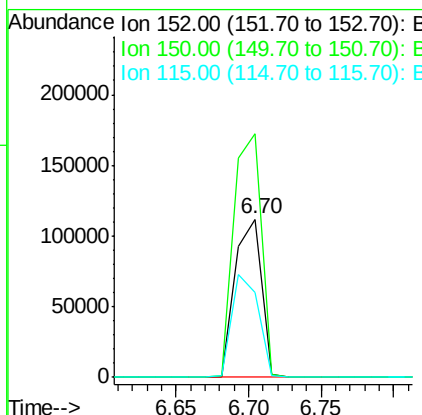
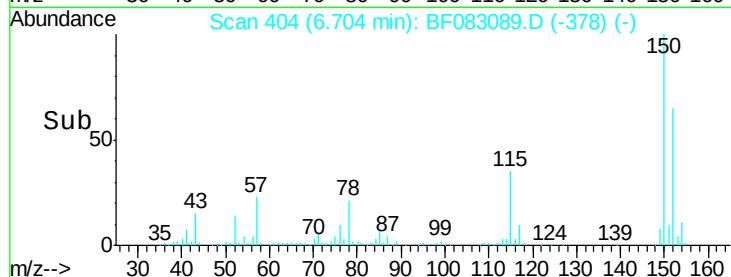
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.4	189.6
115	53.7	49.0	73.6



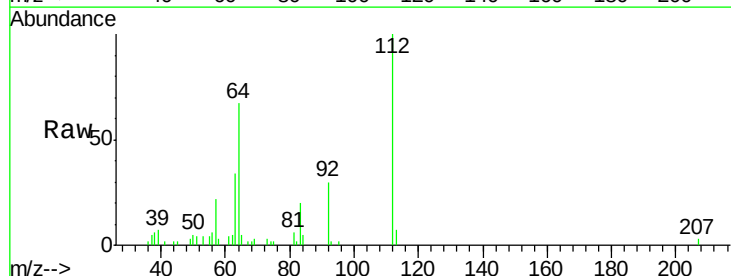
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



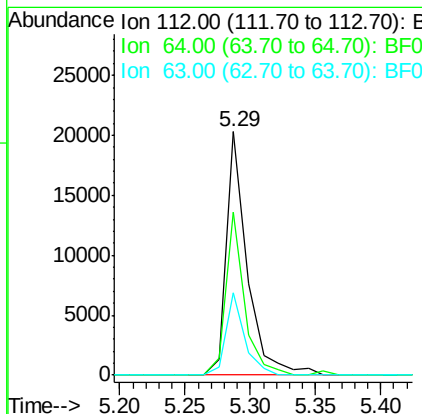
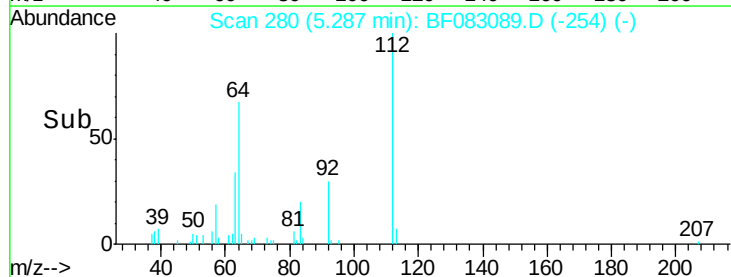
#5

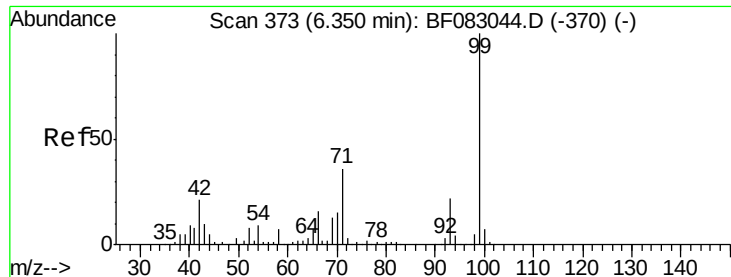
2-Fluorophenol
Concen: 2.45 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	54.8	82.2
63	33.8	29.0	43.4



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: 3.24 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

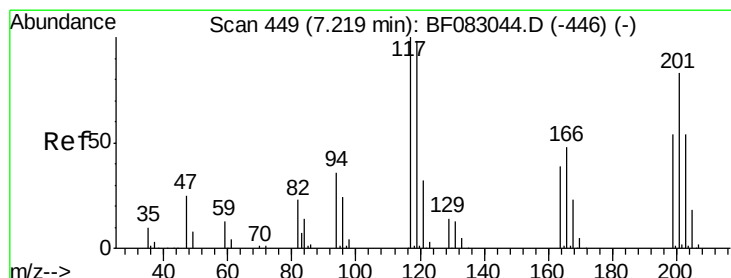
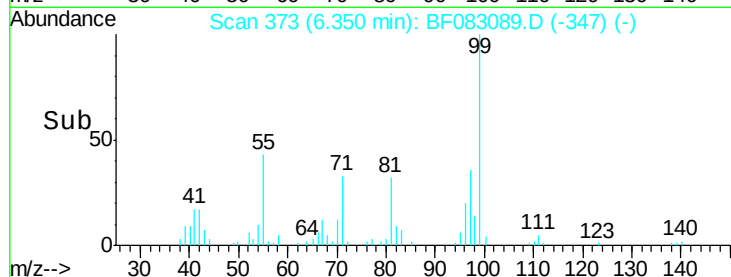
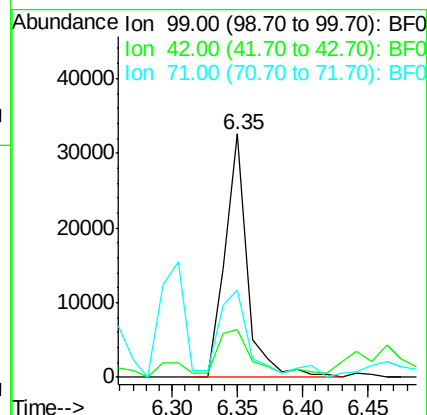
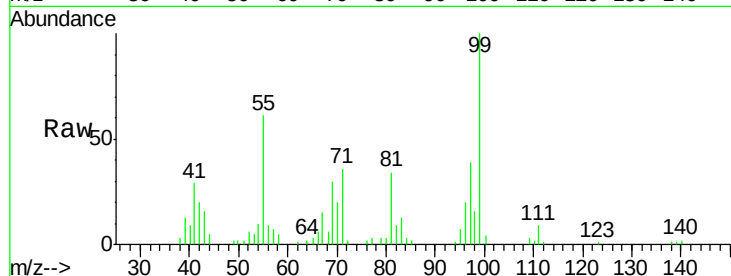
Tot Ion: 99 Resp: 39302

Ion Ratio Lower Upper

99 100

42 19.7 16.6 25.0

71 36.1 29.2 43.8



#18

Hexachloroethane

Concen: 20.69 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

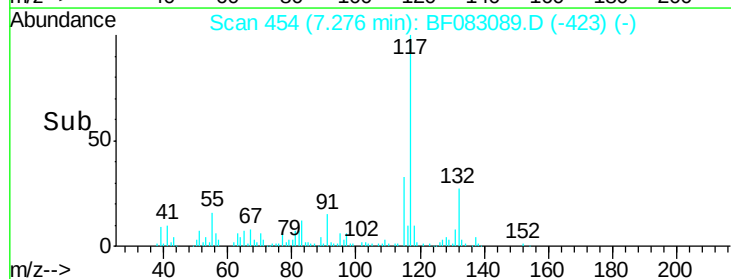
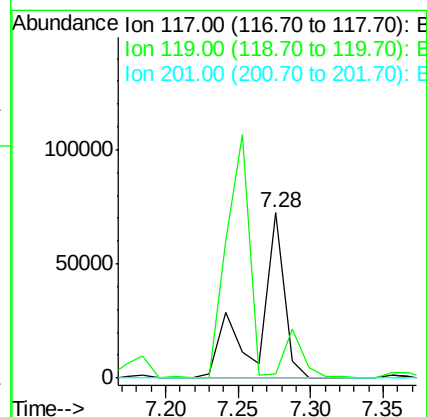
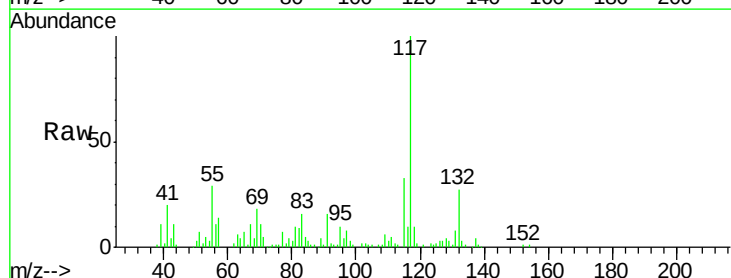
Tgt Ion: 117 Resp: 88530

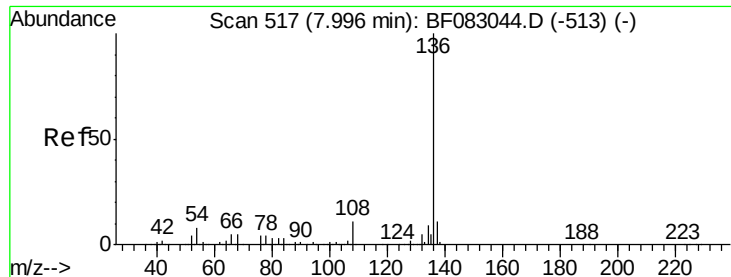
Ion Ratio Lower Upper

117 100

119 2.4 78.3 117.5#

201 0.0 66.5 99.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 560093

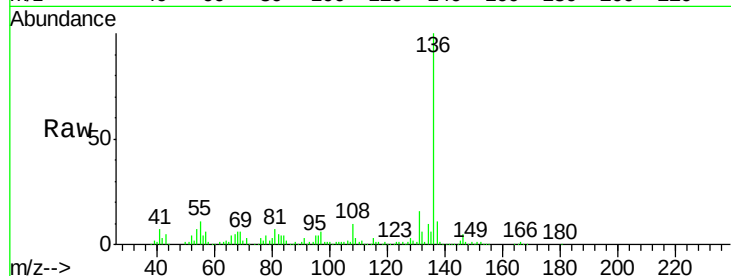
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 7.2 6.2 9.2

68 5.7 4.2 6.2

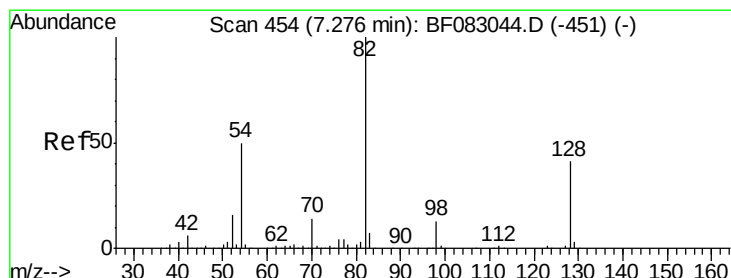
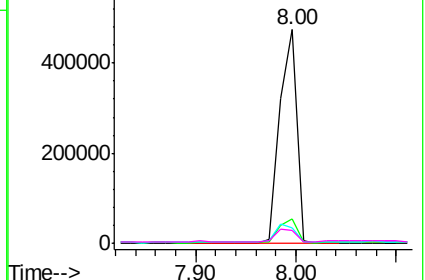
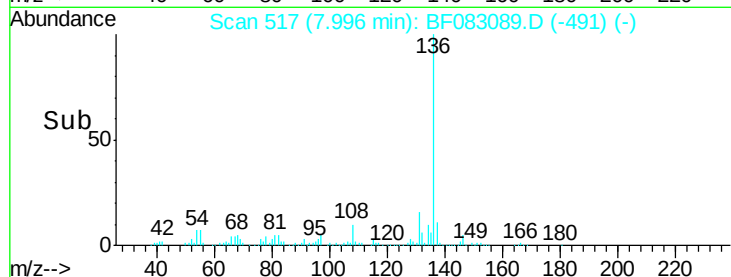


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 2.90 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

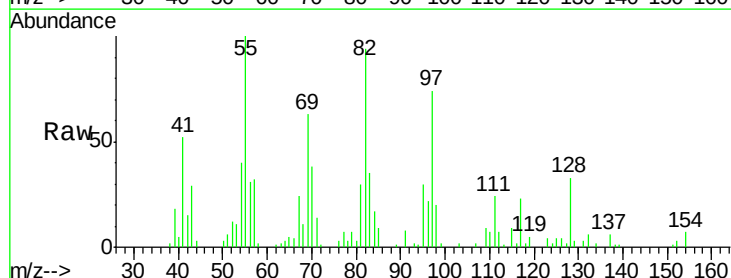
Tgt Ion: 82 Resp: 35469

Ion Ratio Lower Upper

82 100

128 35.8 33.1 49.7

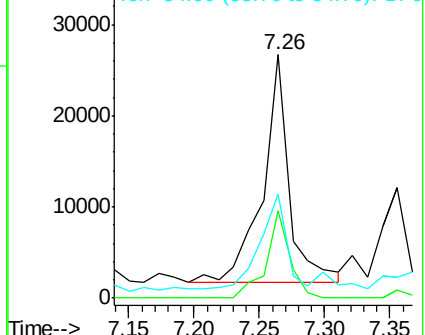
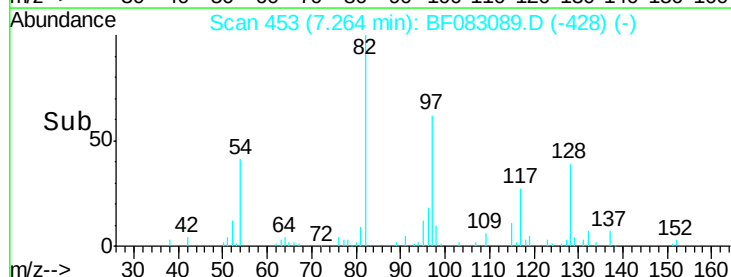
54 42.7 39.8 59.6

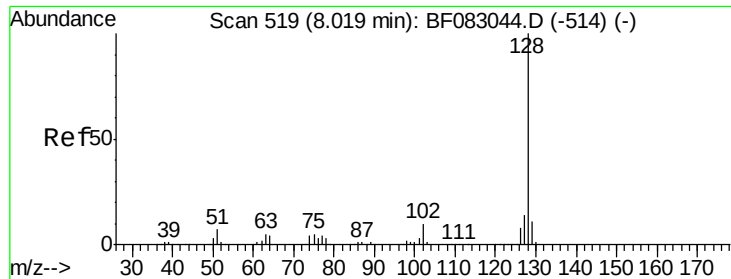


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

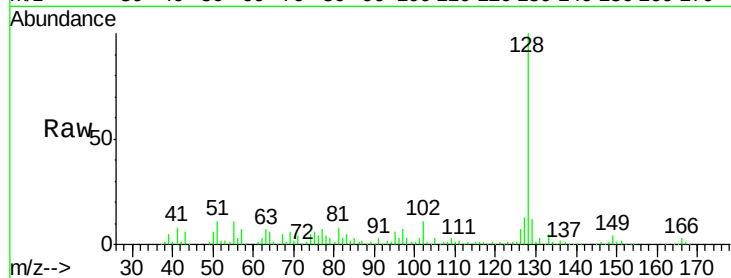




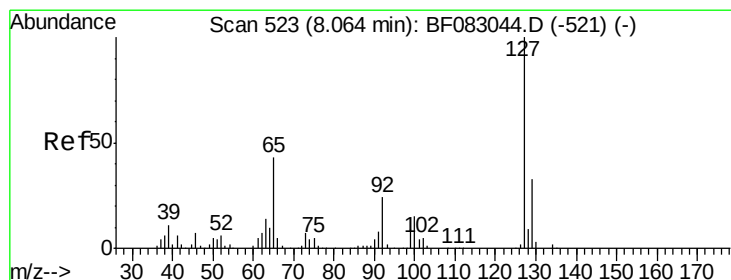
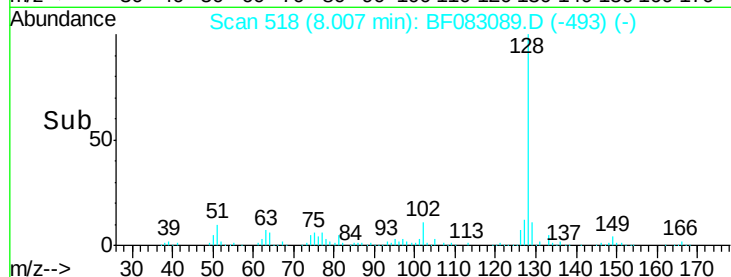
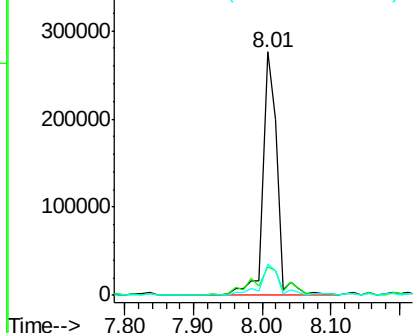
#31
Naphthalene
Concen: 13.27 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 387319
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.4
127 12.7 10.9 16.3

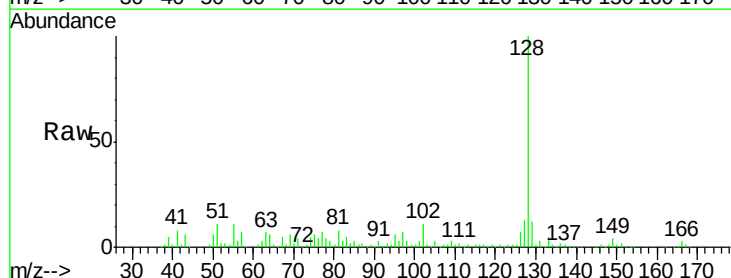


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

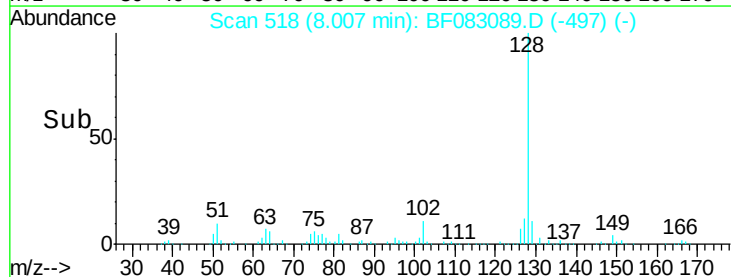
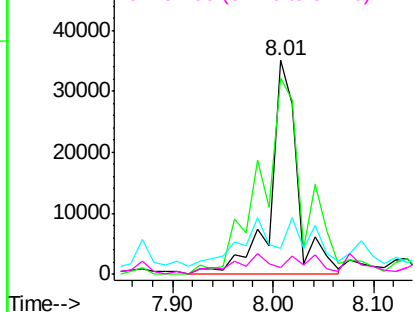


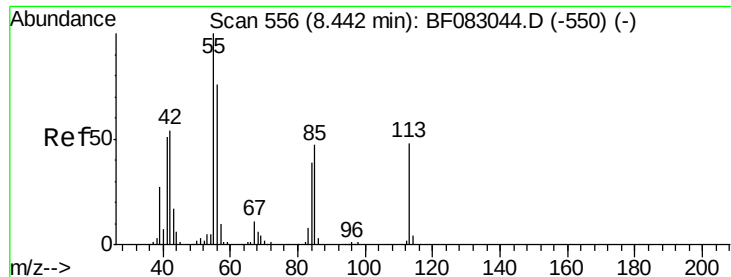
#33
4-Chloroaniline
Concen: 5.13 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Tgt Ion:127 Resp: 65079
Ion Ratio Lower Upper
127 100
129 91.8 26.1 39.1#
65 11.8 34.4 51.6#
92 2.9 19.5 29.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

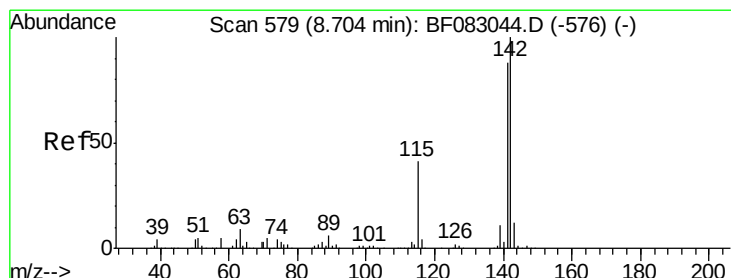
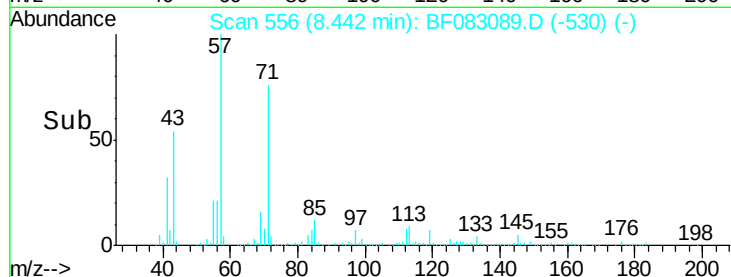
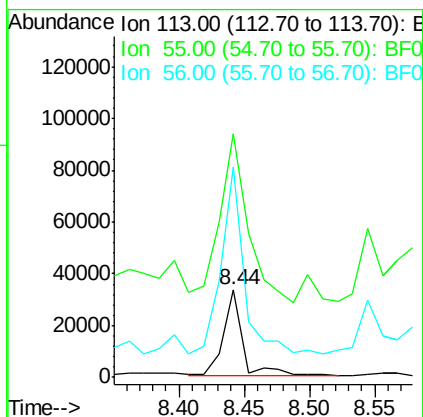
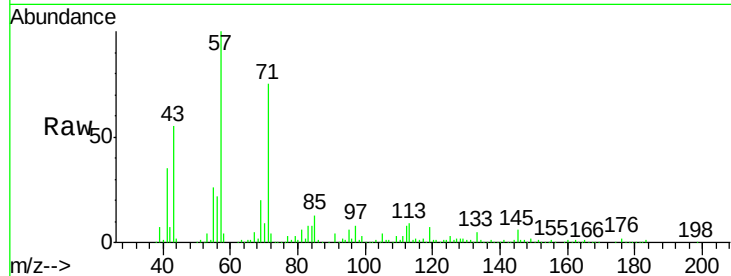




#35
 Caprolactam
 Concen: 12.12 ng
 RT: 8.44 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

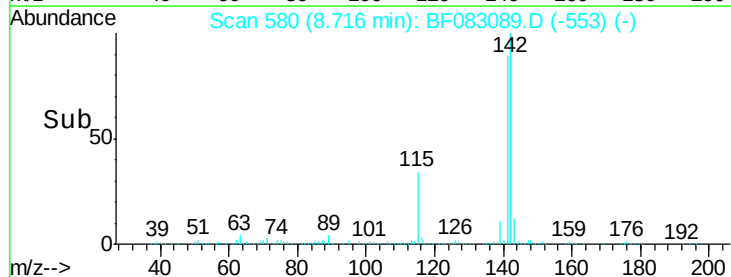
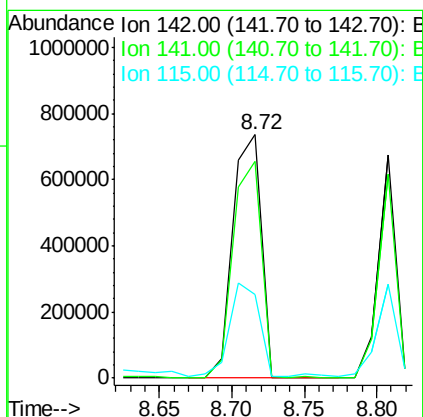
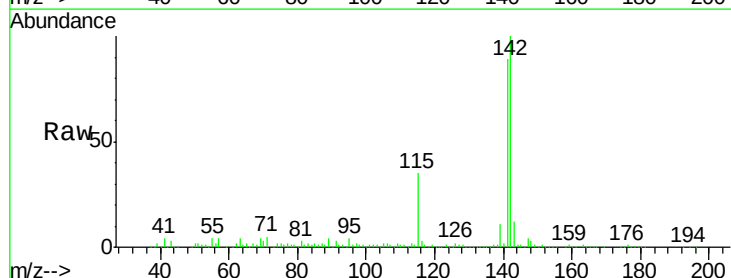
Instrument :
 BNA_F
 ClientSampled :

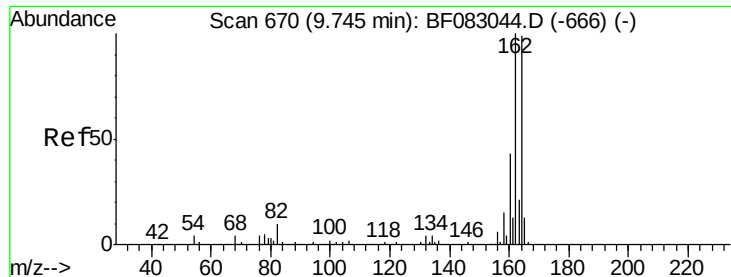
Tot Ion:113 Resp: 33310
 Ion Ratio Lower Upper
 113 100
 55 278.2 189.1 229.1#
 56 239.7 137.9 177.9#



#37
 2-Methylnaphthalene
 Concen: 51.66 ng
 RT: 8.72 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Tgt Ion:142 Resp: 1003649
 Ion Ratio Lower Upper
 142 100
 141 89.2 70.7 106.1
 115 34.6 33.1 49.7

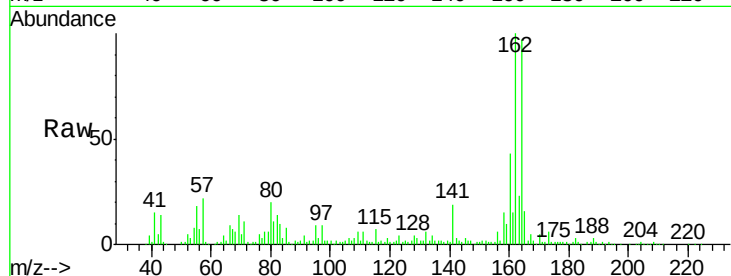




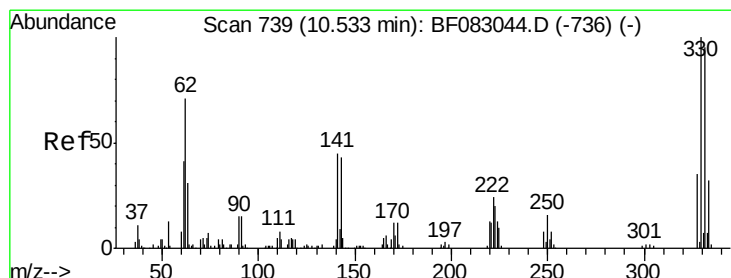
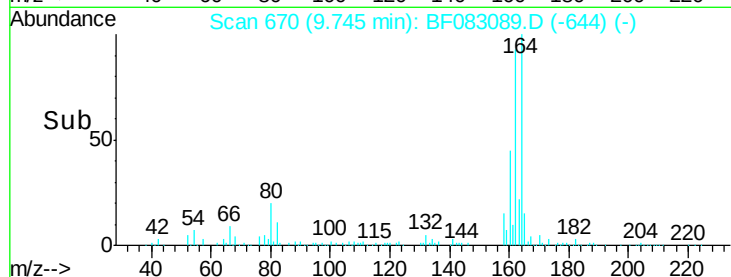
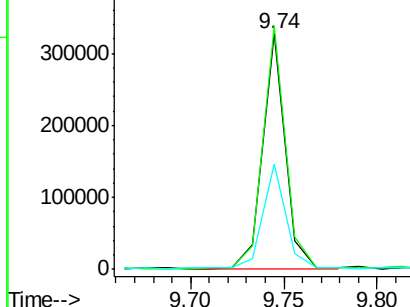
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 275479
Ion Ratio Lower Upper
164 100
162 103.4 80.5 120.7
160 44.8 35.0 52.4

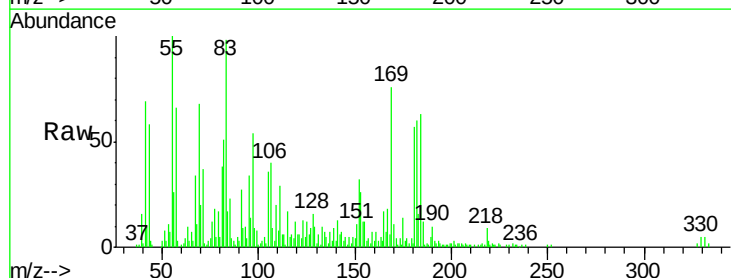


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

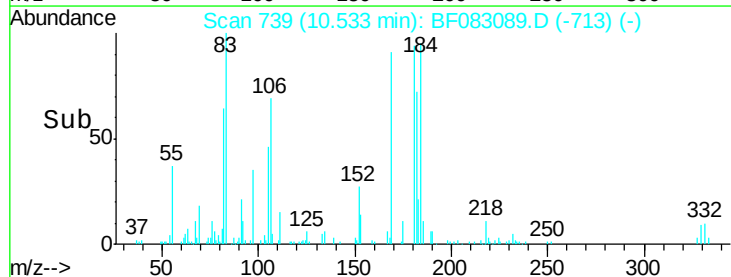
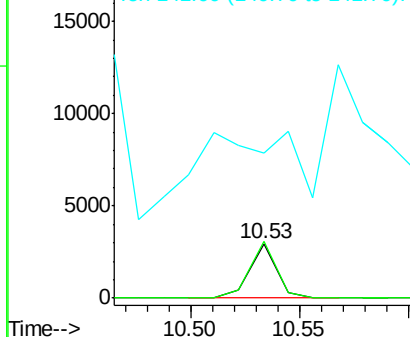


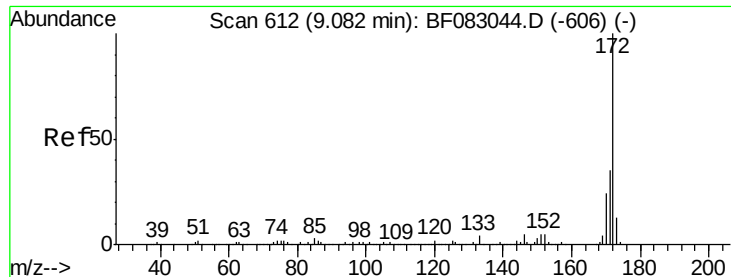
#41
2,4,6-Tribromophenol
Concen: 0.88 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Tgt Ion:330 Resp: 2562
Ion Ratio Lower Upper
330 100
332 101.7 77.6 116.4
141 0.0 34.6 52.0#



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





#44

2-Fluorobiphenyl

Concen: 2.77 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

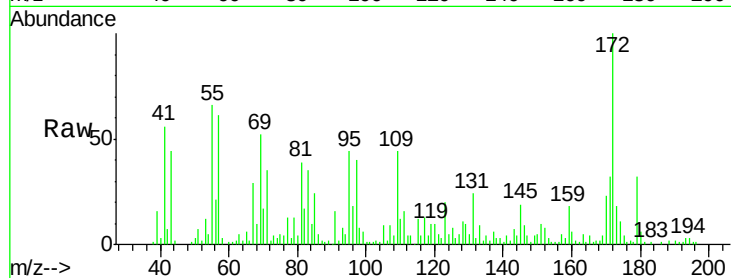
Tot Ion:172 Resp: 56608

Ion Ratio Lower Upper

172 100

171 32.3 28.2 42.4

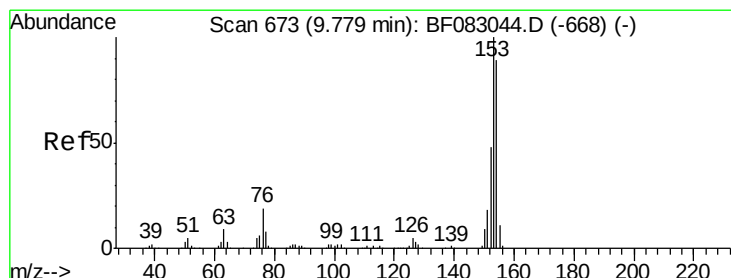
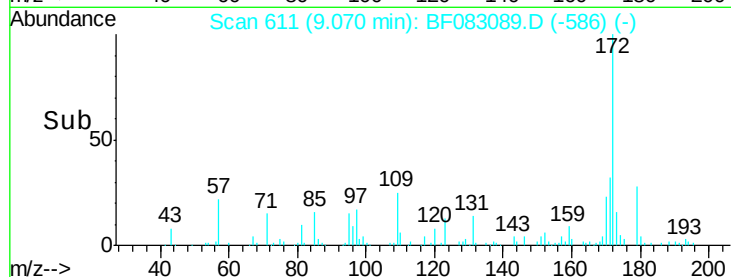
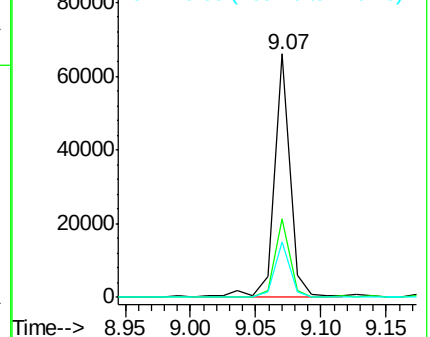
170 22.8 19.4 29.0



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



#51

Acenaphthene

Concen: 2.89 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

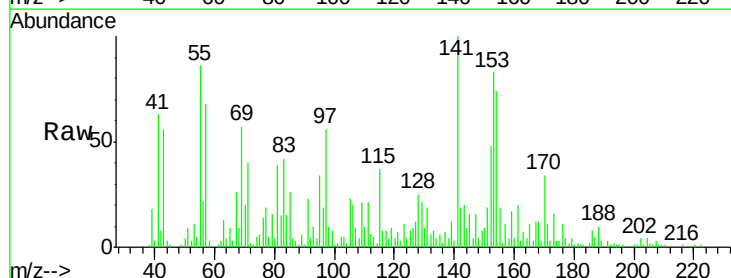
Tgt Ion:154 Resp: 55522

Ion Ratio Lower Upper

154 100

153 112.2 90.1 135.1

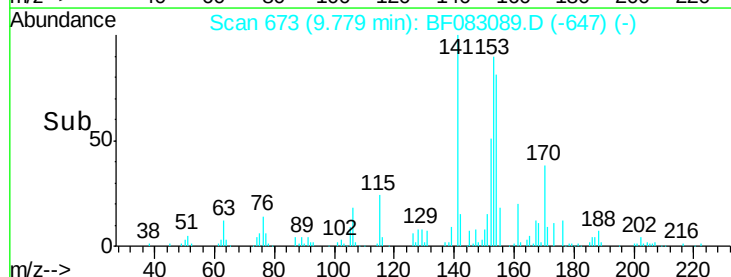
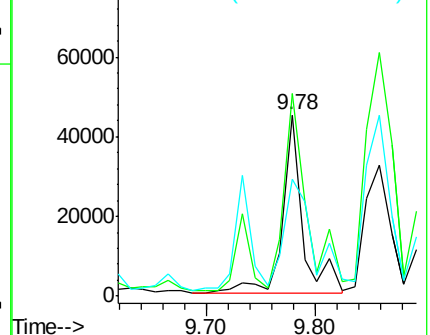
152 64.8 43.3 64.9

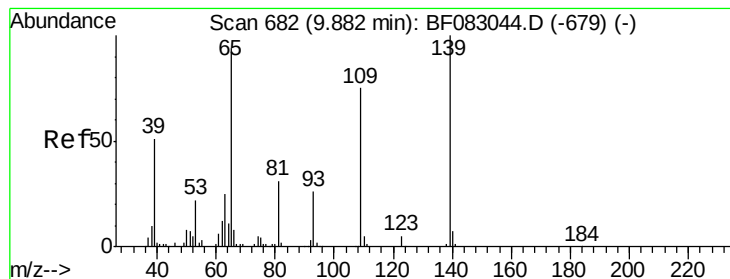


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 10.43 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

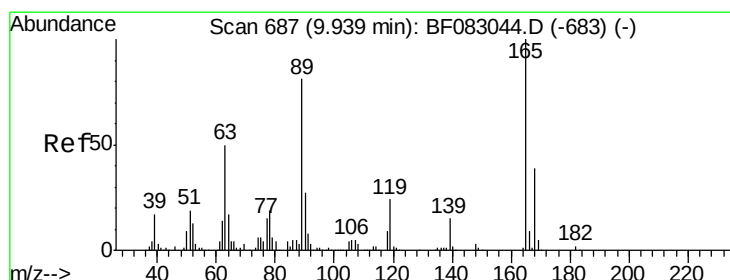
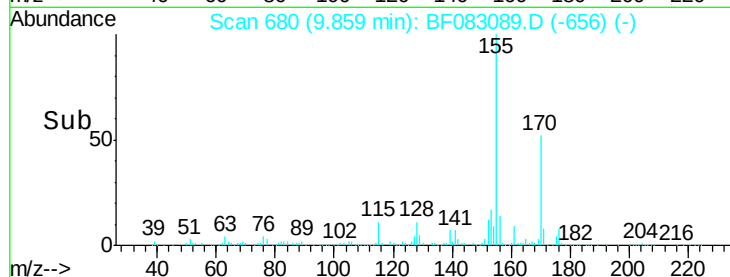
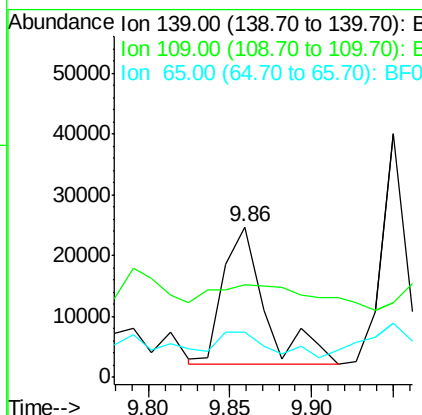
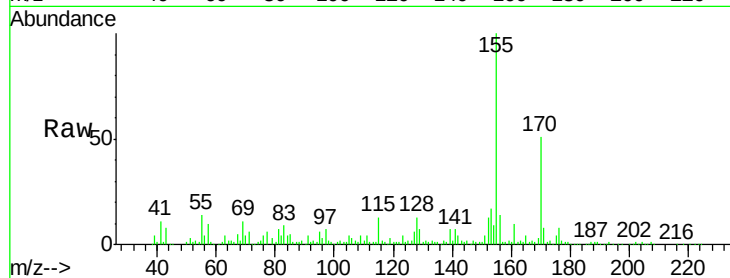
Instrument :

BNA_F

ClientSampled :

Tot Ion:139 Resp: 39933

Ion	Ratio	Lower	Upper
139	100		
109	61.5	54.6	94.6
65	30.1	74.4	114.4#



#56

2,4-Dinitrotoluene

Concen: 2.81 ng

RT: 9.95 min Scan# 688

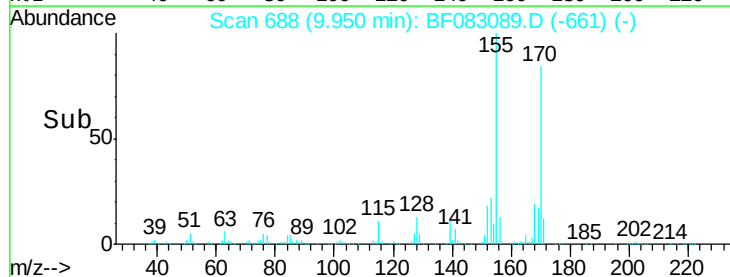
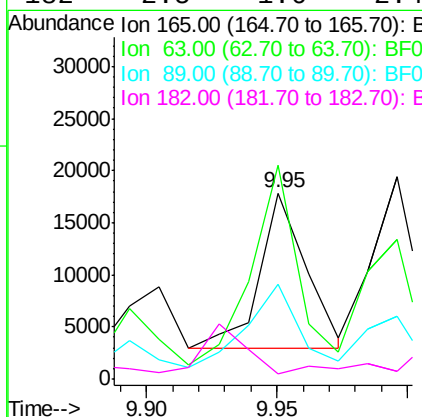
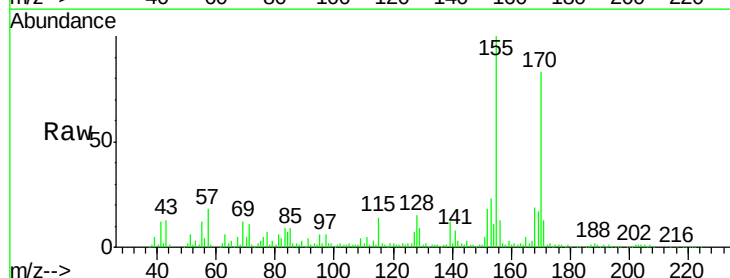
Delta R.T. 0.01 min

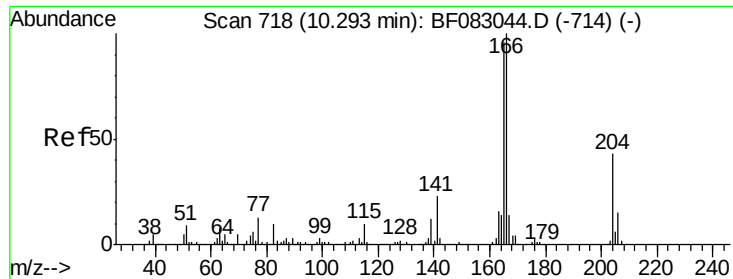
Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Tgt Ion:165 Resp: 18373

Ion	Ratio	Lower	Upper
165	100		
63	114.8	40.6	61.0#
89	50.7	64.4	96.6#
182	2.5	1.6	2.4#

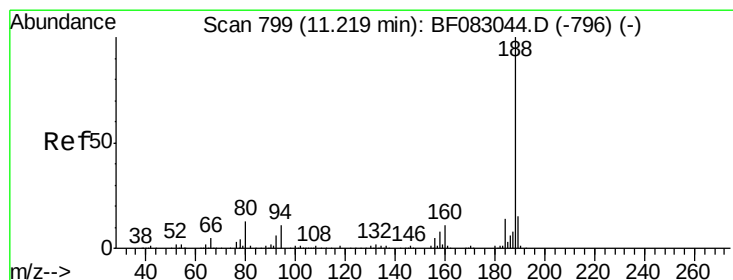
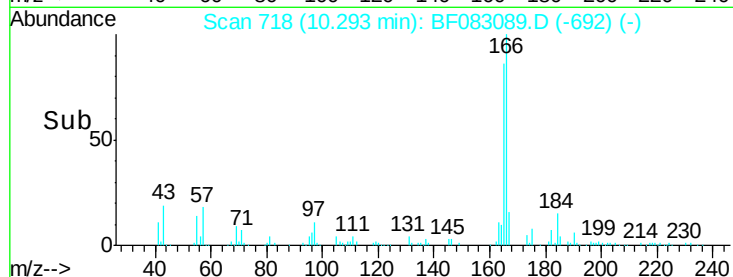
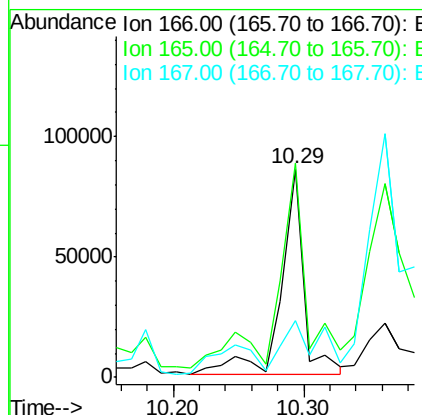
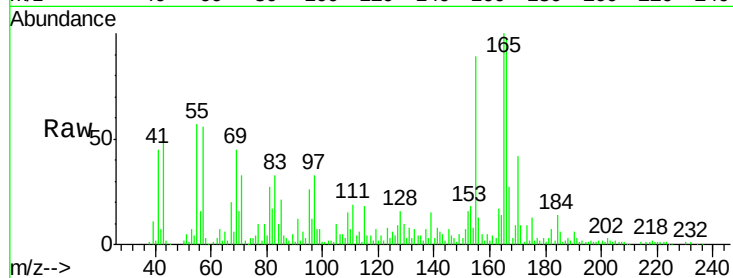




#57
 Fluorene
 Concen: 5.00 ng
 RT: 10.29 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

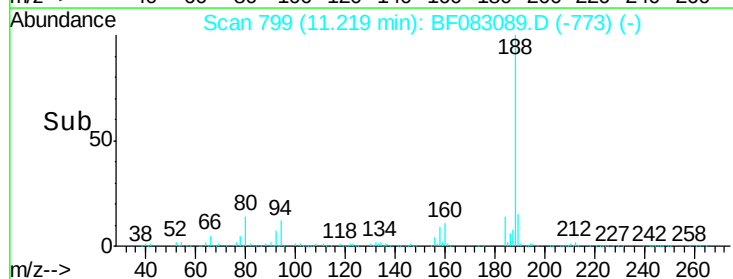
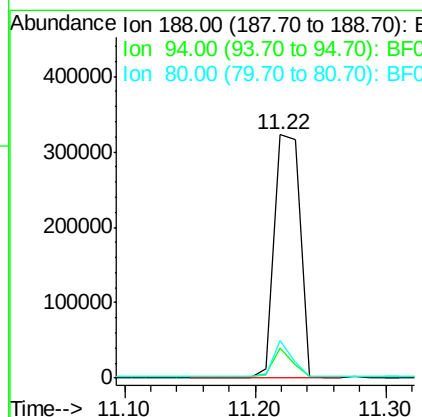
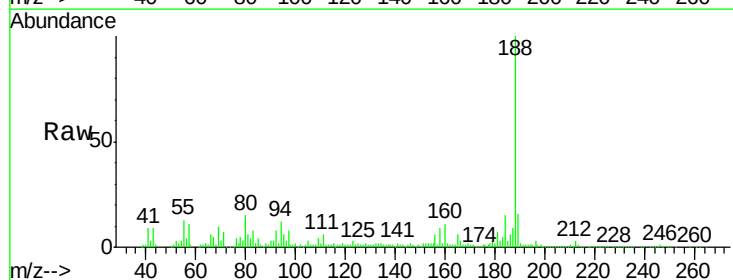
Instrument :
 BNA_F
 ClientSampled :

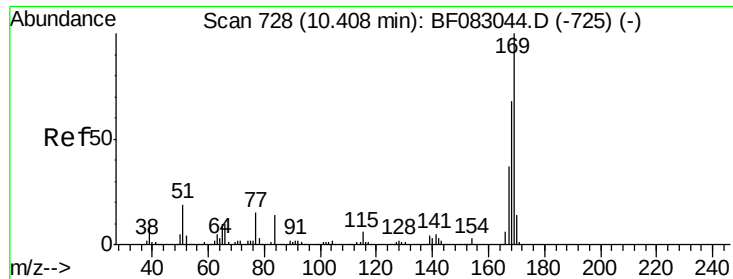
Tot Ion:166 Resp: 103439
 Ion Ratio Lower Upper
 166 100
 165 102.9 77.1 115.7
 167 27.4 11.0 16.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Tgt Ion:188 Resp: 451564
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.0 13.4
 80 15.2 10.2 15.4





#65

n-Nitrosodiphenylamine

Concen: 12.12 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

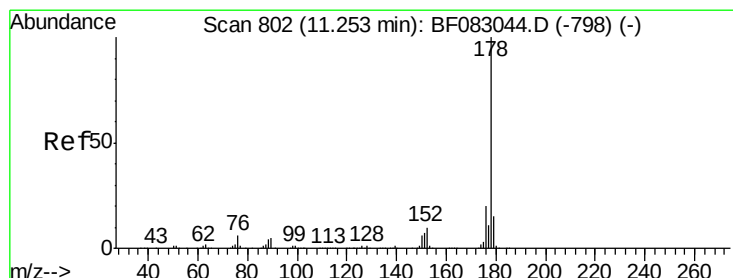
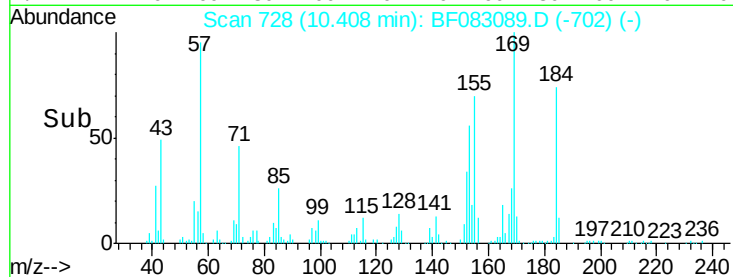
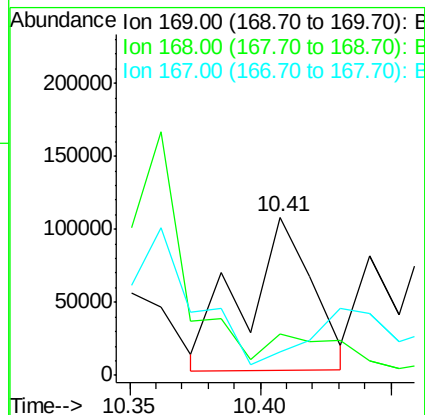
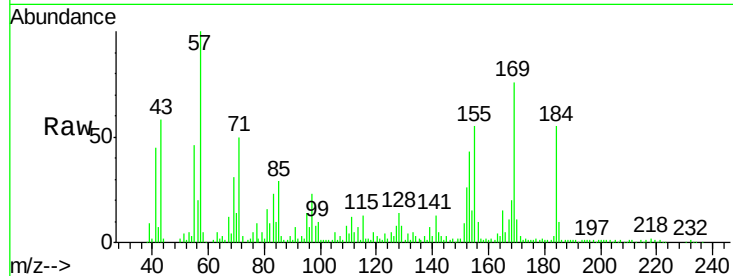
Tot Ion:169 Resp: 191857

Ion Ratio Lower Upper

169 100

168 26.0 54.2 81.2#

167 14.8 29.5 44.3#



#70

Phenanthrene

Concen: 10.86 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

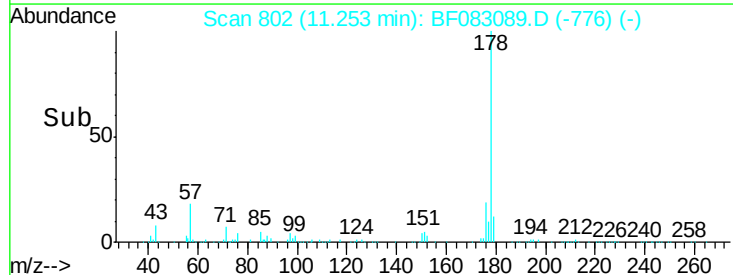
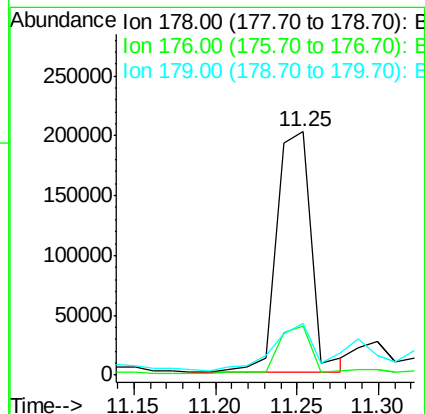
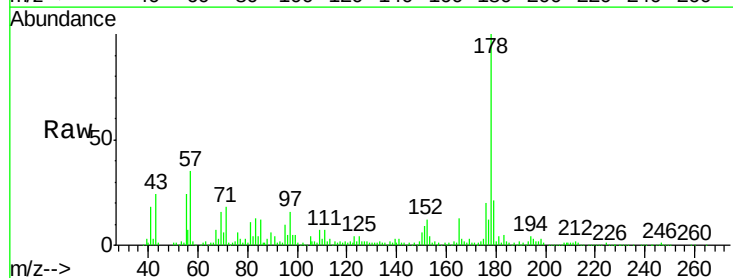
Tgt Ion:178 Resp: 295749

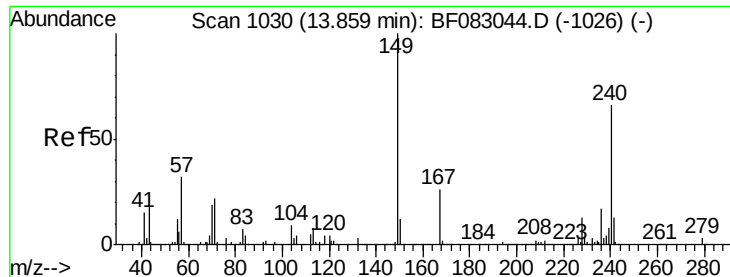
Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

179 21.3 12.3 18.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampled :

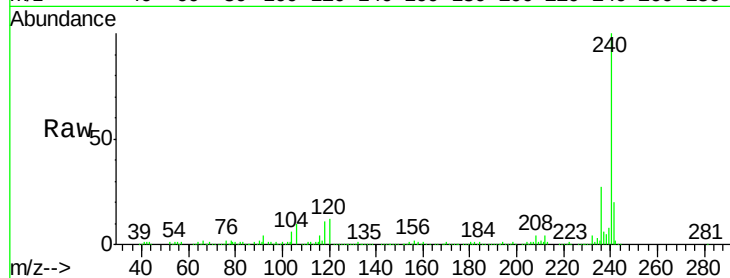
Tot Ion:240 Resp: 425105

Ion Ratio Lower Upper

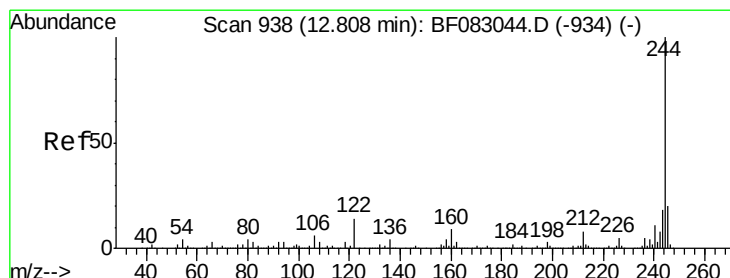
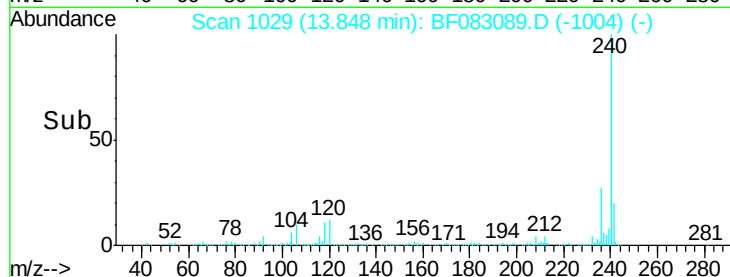
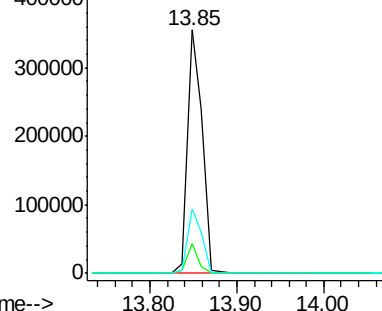
240 100

120 12.4 5.3 7.9#

236 26.7 20.4 30.6



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



#78

Terphenyl-d14

Concen: 2.59 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

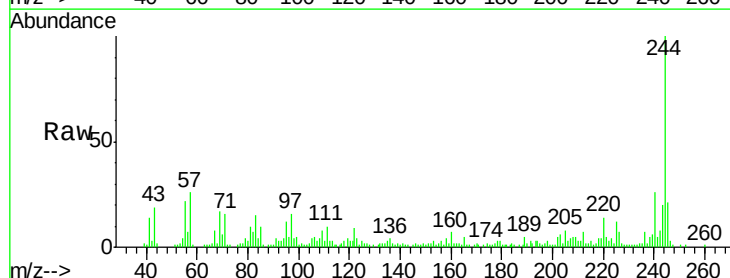
Tgt Ion:244 Resp: 46600

Ion Ratio Lower Upper

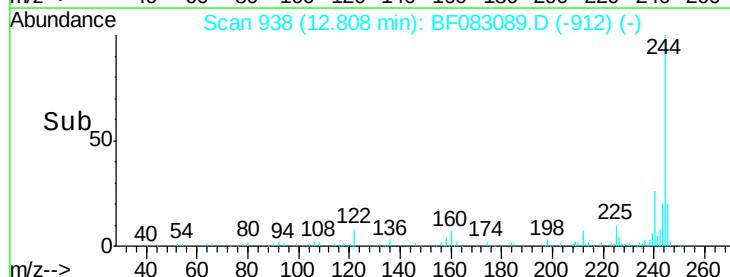
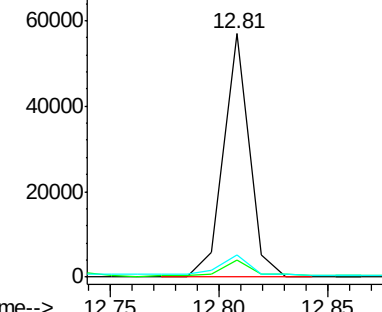
244 100

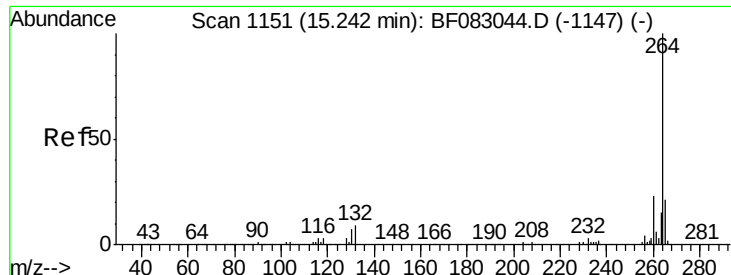
212 6.8 6.4 9.6

122 8.9 10.9 16.3#



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

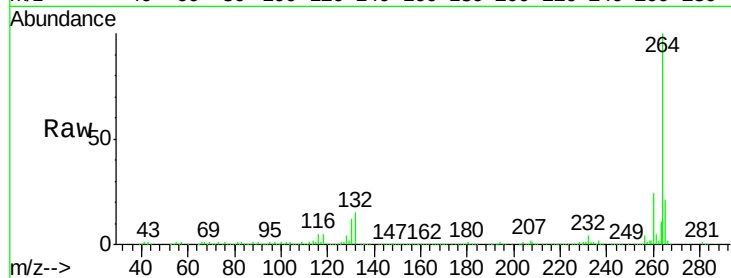




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.5	17.0	25.6



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

