

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083105.D
 Acq On : 21 Nov 2015 5:30
 Operator : UM/IZ
 Sample : G4485-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 06:03:33 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	157152	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	541808	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	743853	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	391781	20.00	ng	0.01
75) Chrysene-d12	13.85	240	368729	20.00	ng	-0.01
86) Perylene-d12	15.23	264	288493	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	479176	47.36	ng	0.01
7) Phenol-d6	6.37	99	427560	32.08	ng	0.02
23) Nitrobenzene-d5	7.26	82	845830	71.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	251357	31.83	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	1387911	25.13	ng	0.00
78) Terphenyl-d14	12.82	244	877432	56.18	ng	0.01

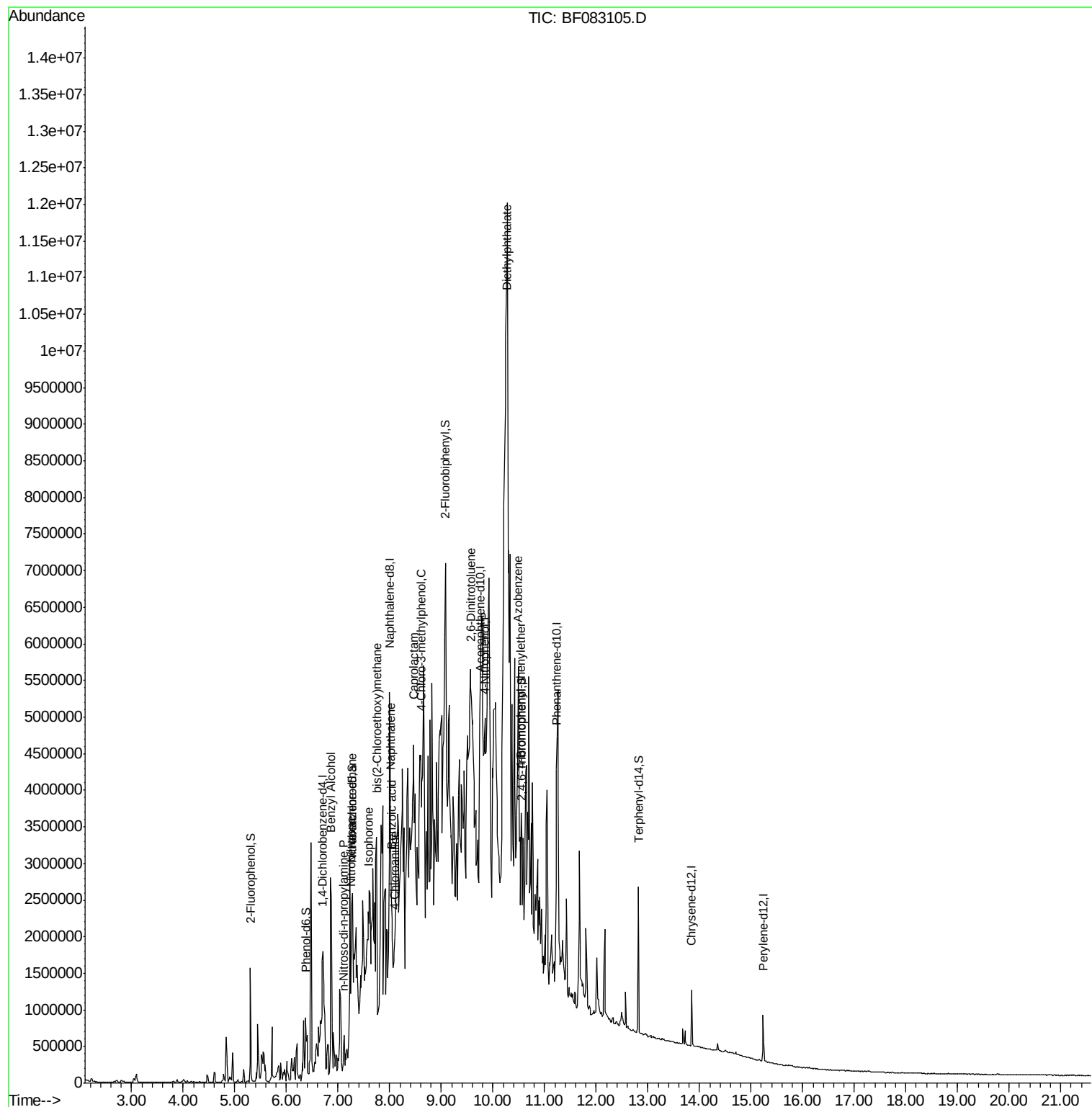
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.24	77	1868	Below Cal		93
15) Benzyl Alcohol	6.85	79	25176	2.30 ng	#	62
18) Hexachloroethane	7.28	117	239413	50.91 ng	#	6
19) n-Nitroso-di-n-propylamine	7.12	70	20993	2.16 ng	#	1
24) Nitrobenzene	7.25	77	69455	5.82 ng	#	29
25) Isophorone	7.58	82	204200	9.15 ng	#	35
28) bis(2-Chloroethoxy)methane	7.74	93	31979	2.56 ng	#	1
31) Naphthalene	8.02	128	63070	2.23 ng	#	8
32) Benzoic acid	8.03	122	397884	75.82 ng	#	96
33) 4-Chloroaniline	8.09	127	34005	2.77 ng	#	76
35) Caprolactam	8.46	113	136843	51.47 ng	#	27
36) 4-Chloro-3-methylphenol	8.60	107	30282	3.13 ng	#	32
50) 2,6-Dinitrotoluene	9.57	165	135675	10.28 ng	#	32
55) 4-Nitrophenol	9.84	139	27489	2.66 ng	#	1
59) Diethylphthalate	10.27	149	244864	4.10 ng	#	75
62) Azobenzene	10.49	77	315063	4.71 ng	#	1
66) 4-Bromophenyl-phenylether	10.54	248	17283	3.81 ng	#	1

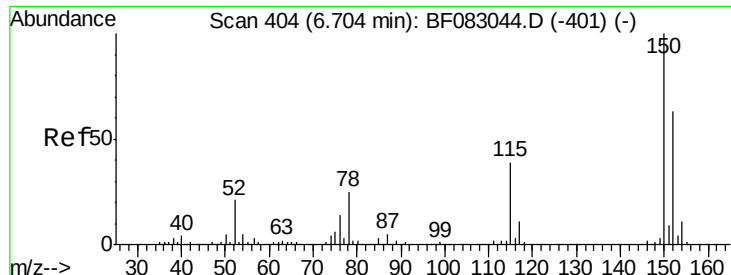
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

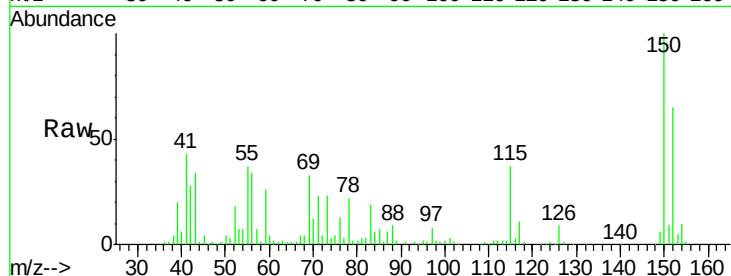
Tot Ion:152 Resp: 157152

Ion Ratio Lower Upper

152 100

150 154.6 126.4 189.6

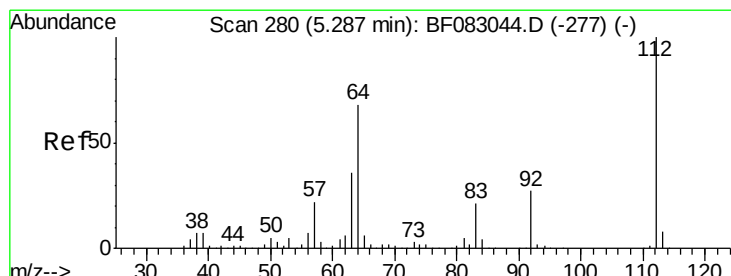
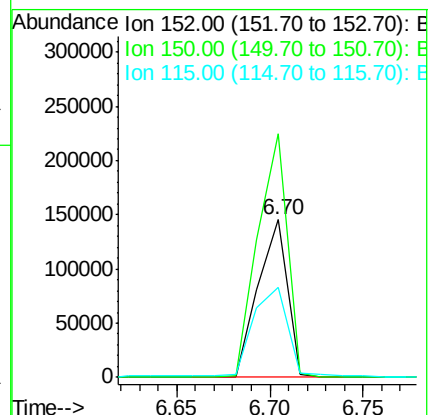
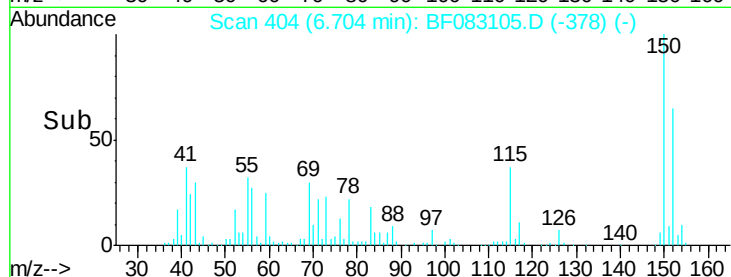
115 57.2 49.0 73.6



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: 47.36 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

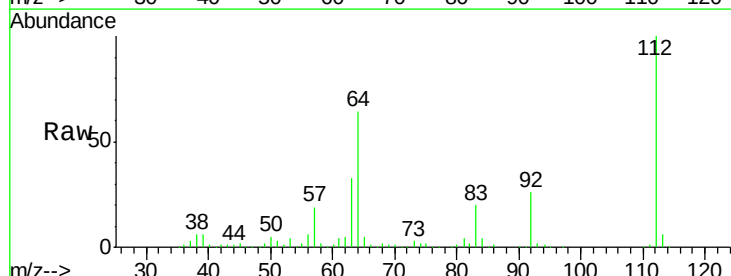
Tgt Ion:112 Resp: 479176

Ion Ratio Lower Upper

112 100

64 63.7 54.8 82.2

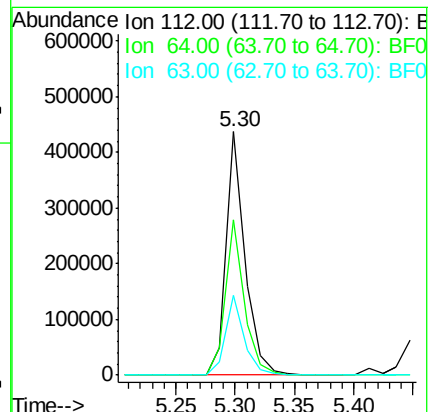
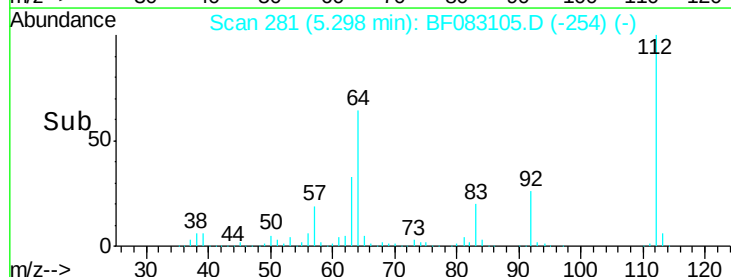
63 33.0 29.0 43.4

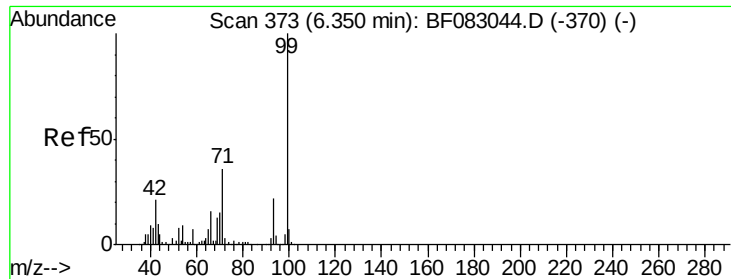


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.08 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.02 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

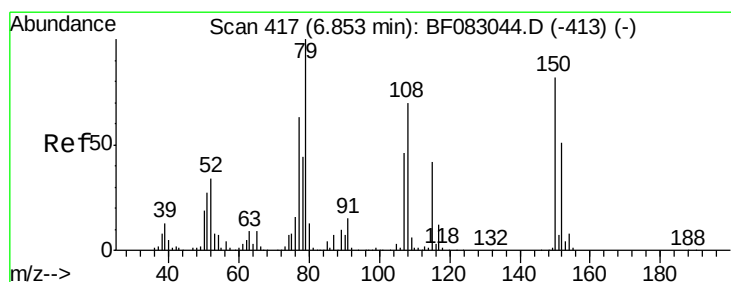
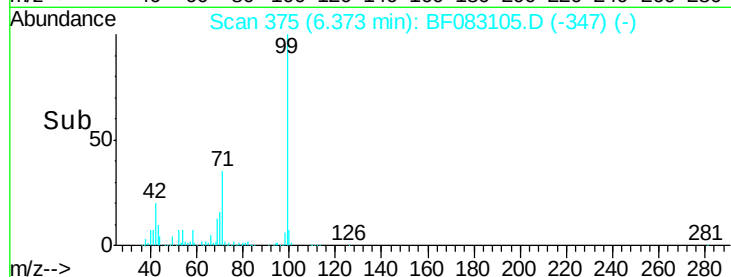
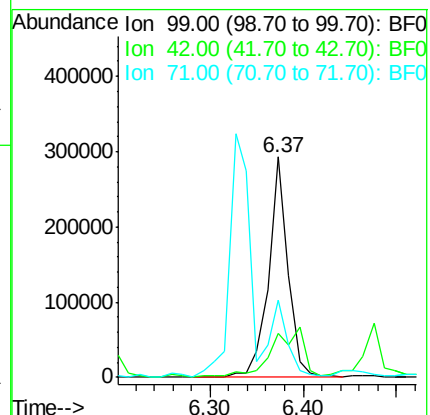
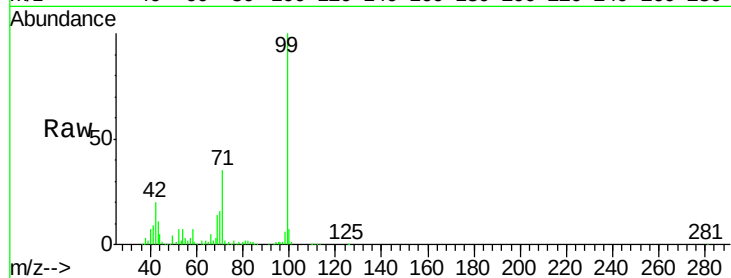
Tot Ion: 99 Resp: 427560

Ion Ratio Lower Upper

99 100

42 19.8 16.6 25.0

71 35.2 29.2 43.8



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

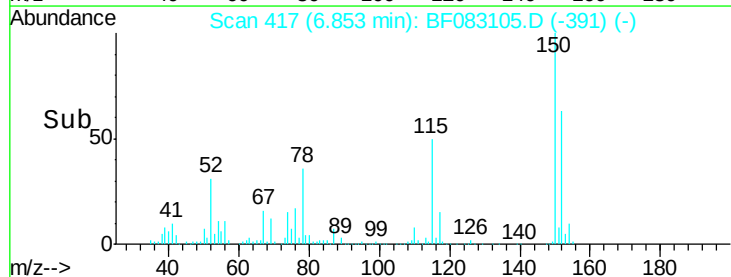
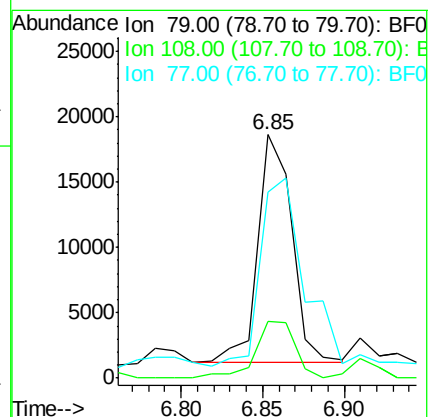
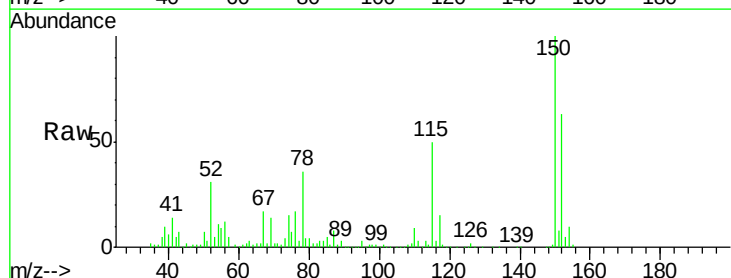
Tgt Ion: 79 Resp: 25176

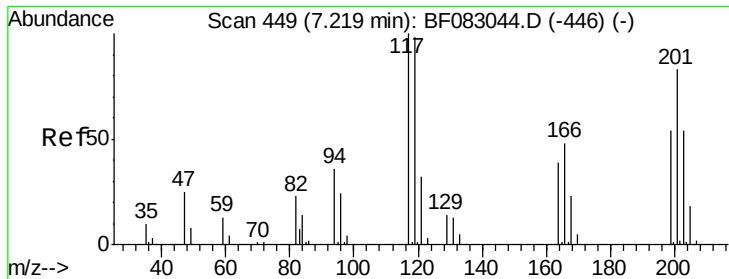
Ion Ratio Lower Upper

79 100

108 23.2 55.7 83.5#

77 76.6 50.7 76.1#

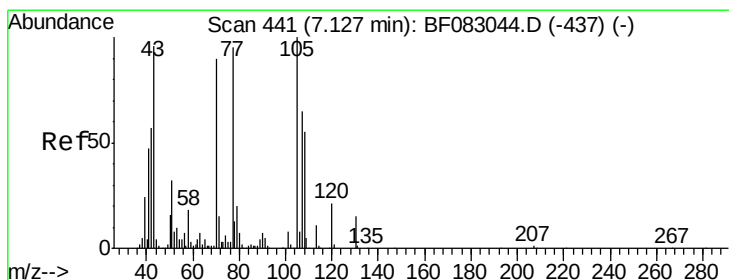
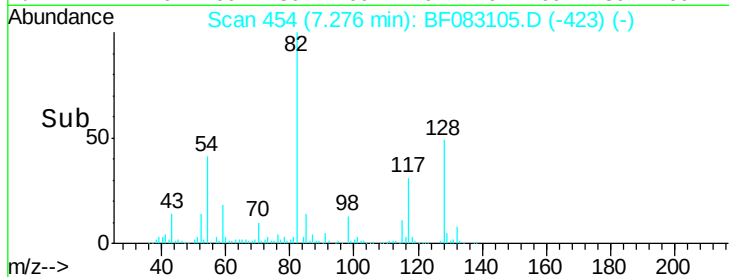
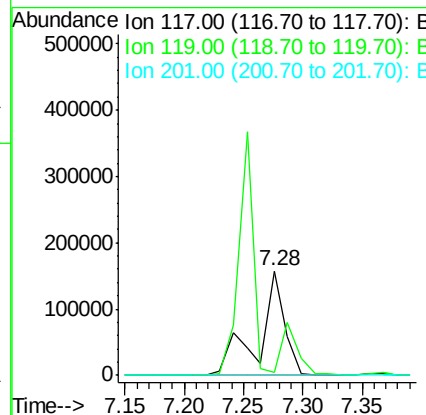
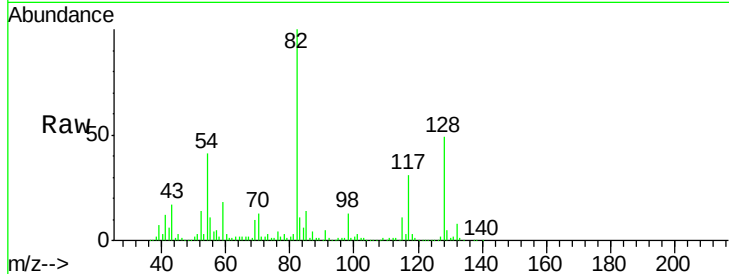




#18
Hexachloroethane
Concen: 50.91 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.06 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

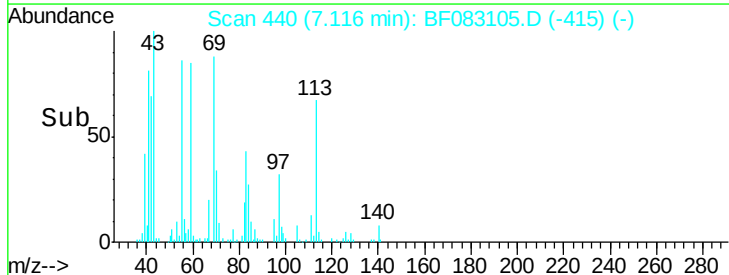
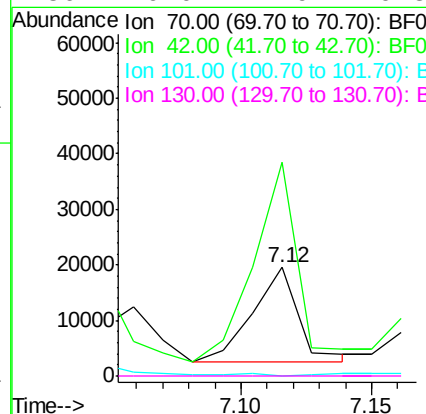
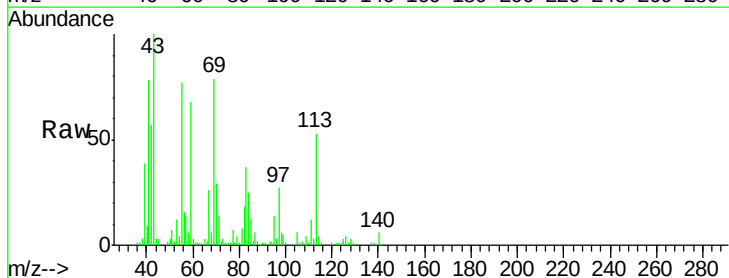
Instrument :
BNA_F
ClientSampleId :

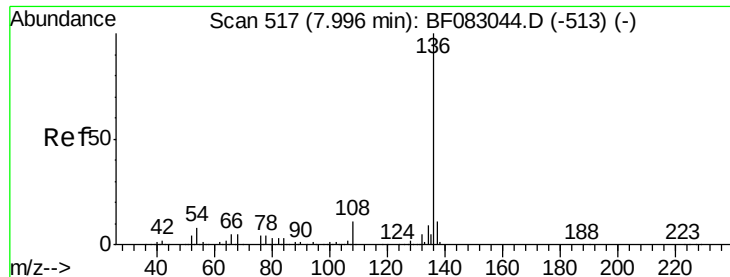
Tot Ion:117 Resp: 239413
Ion Ratio Lower Upper
117 100
119 2.7 78.3 117.5#
201 0.0 66.5 99.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.16 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Tgt Ion: 70 Resp: 20993
Ion Ratio Lower Upper
70 100
42 197.0 50.2 75.2#
101 0.0 6.8 10.2#
130 0.0 12.9 19.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 541808

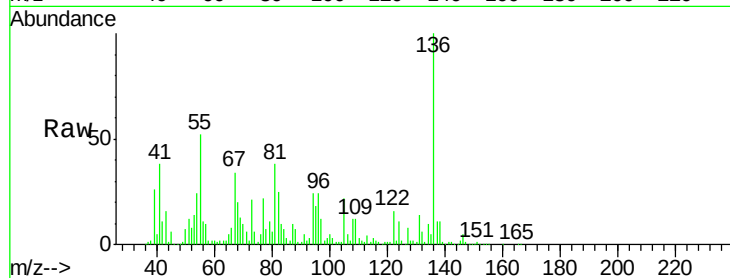
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 23.8 6.2 9.2#

68 20.0 4.2 6.2#

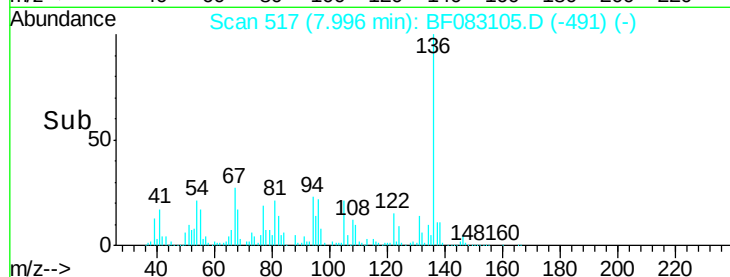


Abundance Ion 136.00 (135.70 to 136.70): E

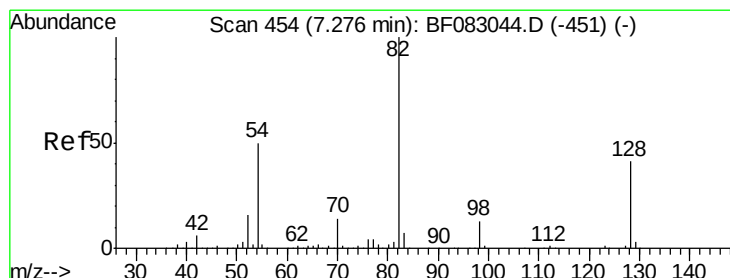
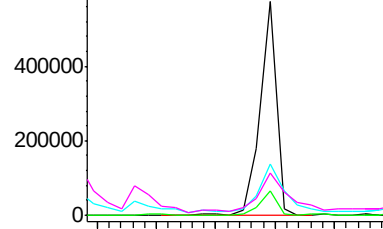
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 71.47 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

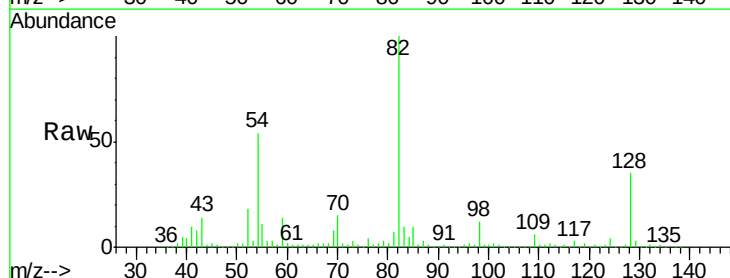
Tgt Ion: 82 Resp: 845830

Ion Ratio Lower Upper

82 100

128 35.4 33.1 49.7

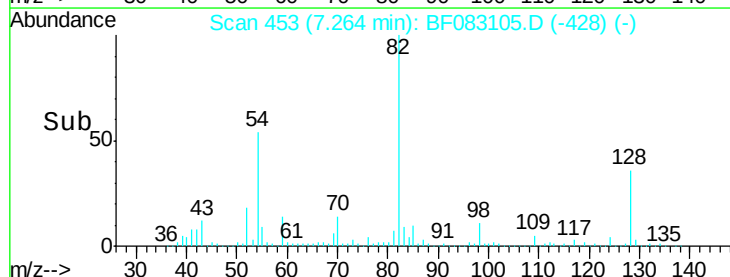
54 53.5 39.8 59.6



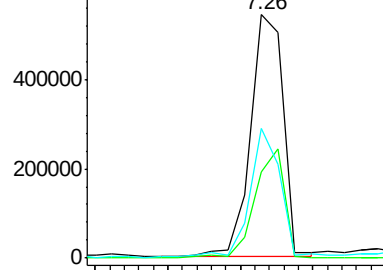
Abundance Ion 82.00 (81.70 to 82.70): BF0

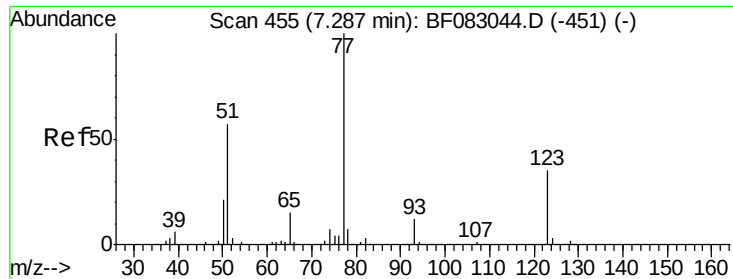
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#24

Nitrobenzene

Concen: 5.82 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.03 min

Lab File: BF083105.D

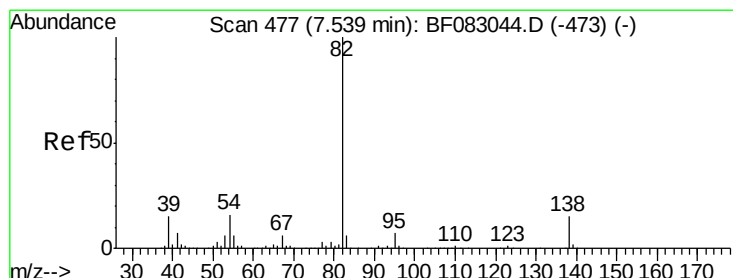
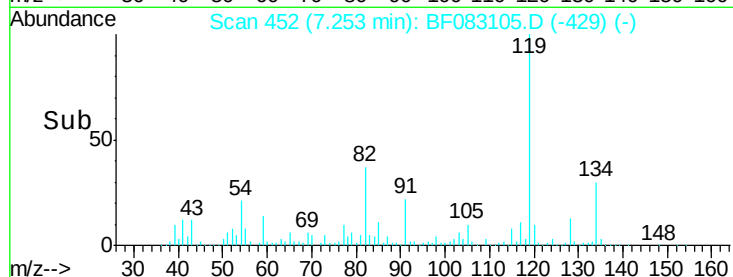
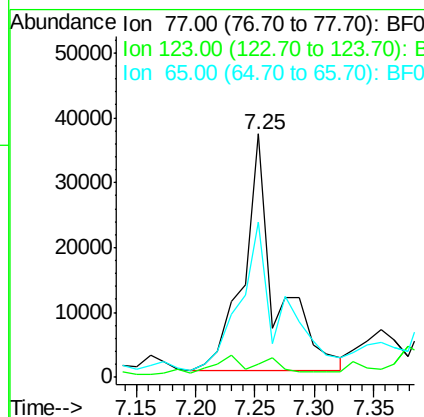
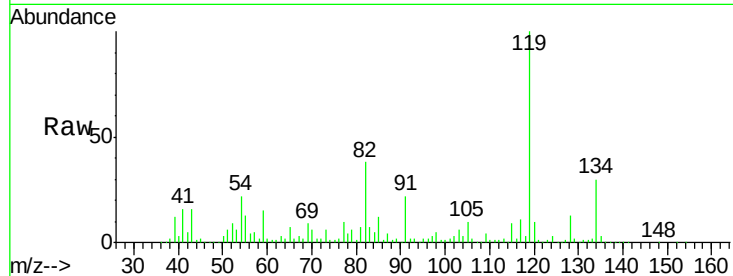
Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampled :

Tot Ion:	77	Resp:	69455
Ion	Ratio	Lower	Upper
77	100		
123	5.2	28.2	42.4#
65	63.8	11.8	17.8#



#25

Isophorone

Concen: 9.15 ng

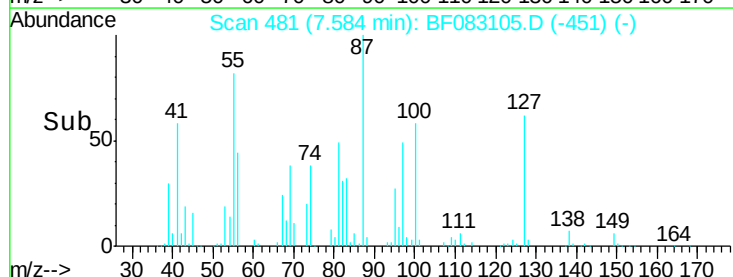
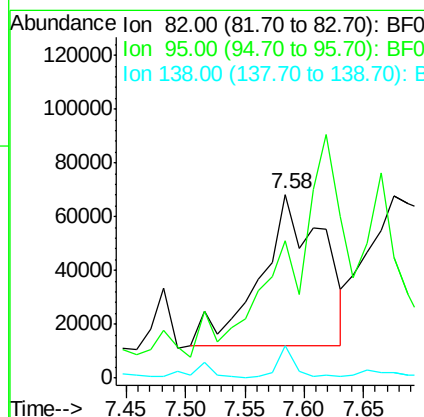
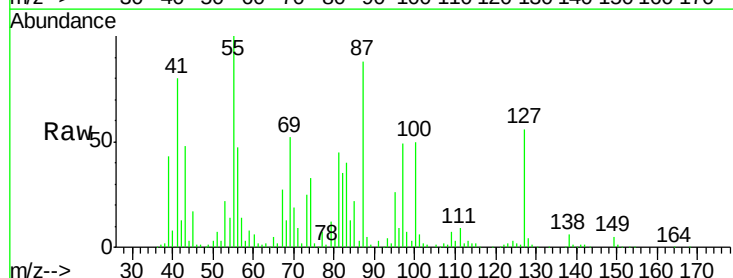
RT: 7.58 min Scan# 481

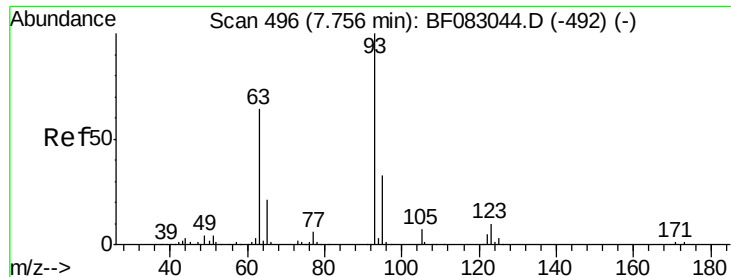
Delta R.T. 0.05 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Tgt Ion:	82	Resp:	204200
Ion	Ratio	Lower	Upper
82	100		
95	74.8	5.7	8.5#
138	17.3	12.2	18.4

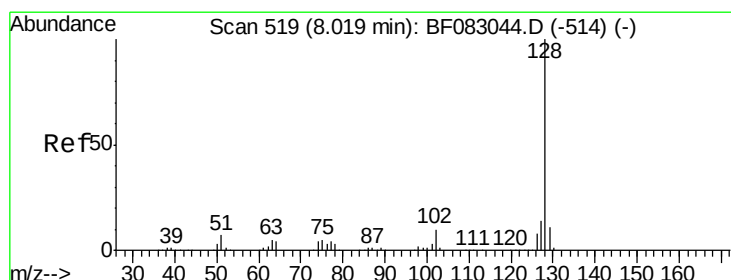
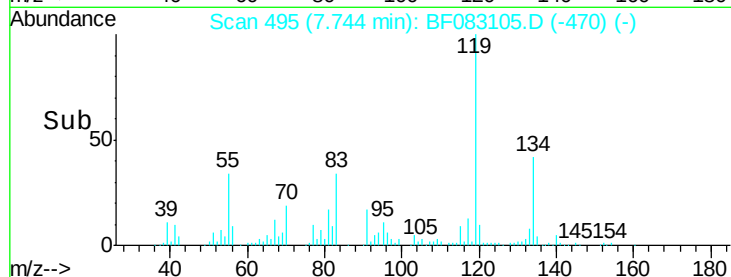
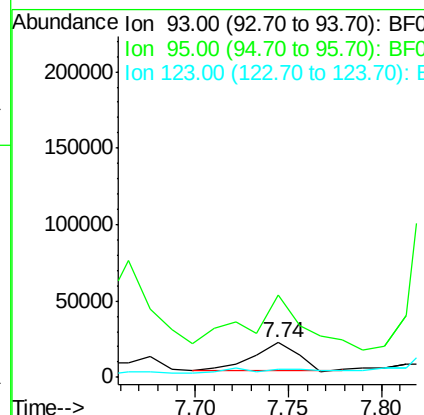
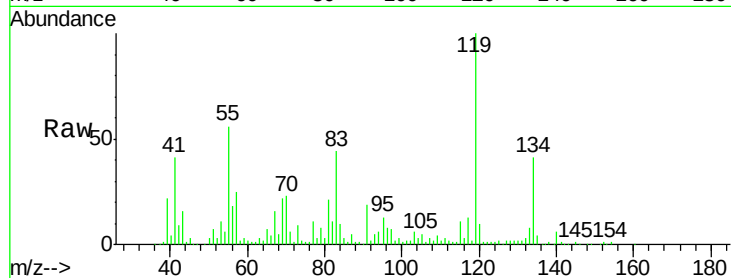




#28
bis(2-Chloroethoxy)methane
Concen: 2.56 ng
RT: 7.74 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

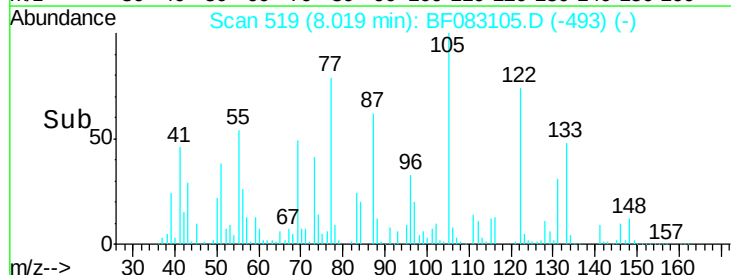
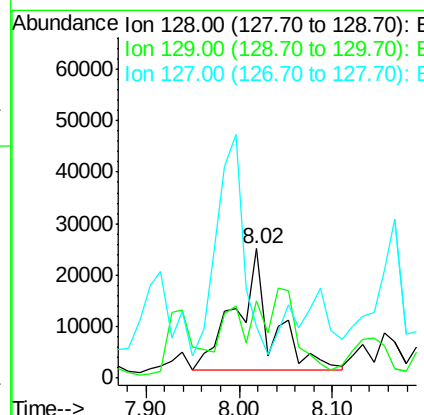
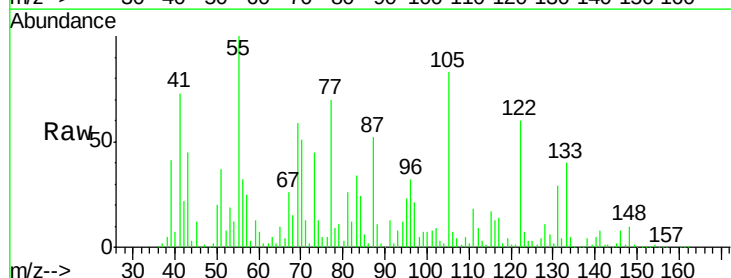
Instrument :
BNA_F
ClientSampleId :

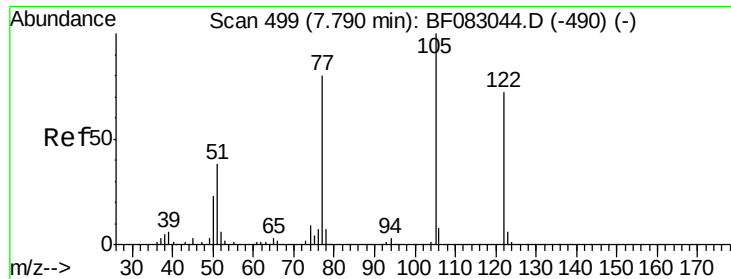
Tot Ion: 93 Resp: 31979
Ion Ratio Lower Upper
93 100
95 239.2 26.2 39.2#
123 24.3 8.5 12.7#



#31
Naphthalene
Concen: 2.23 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Tgt Ion: 128 Resp: 63070
Ion Ratio Lower Upper
128 100
129 59.3 9.0 13.4#
127 39.6 10.9 16.3#

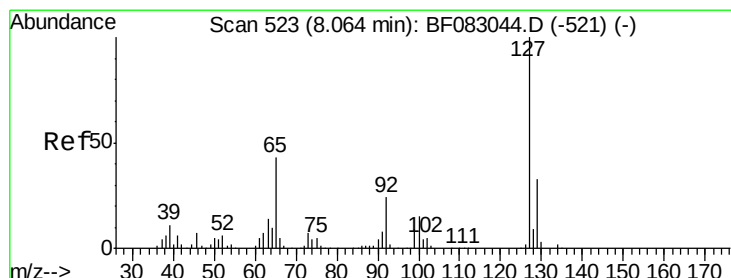
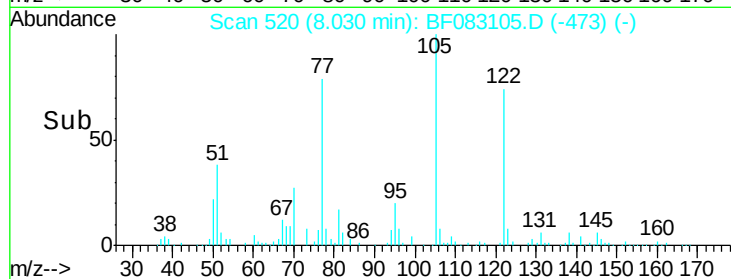
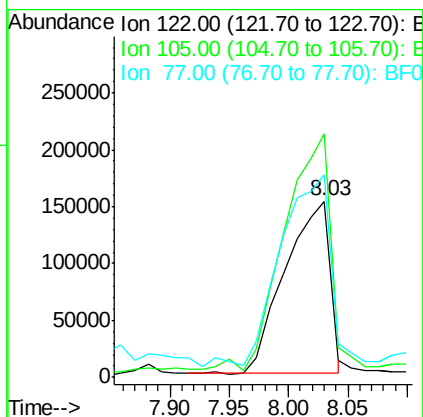
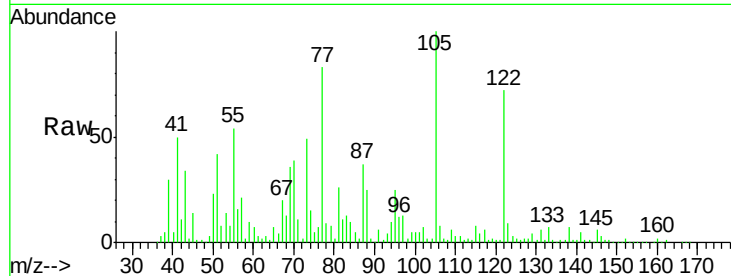




#32
Benzoic acid
Concen: 75.82 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.24 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

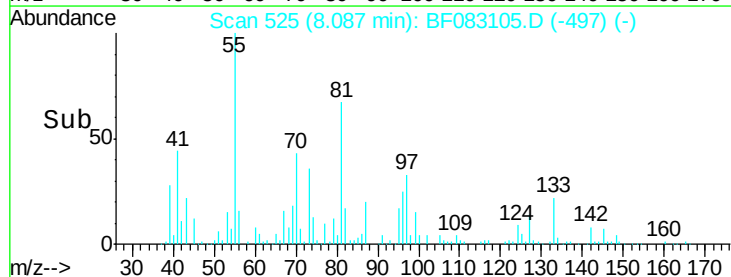
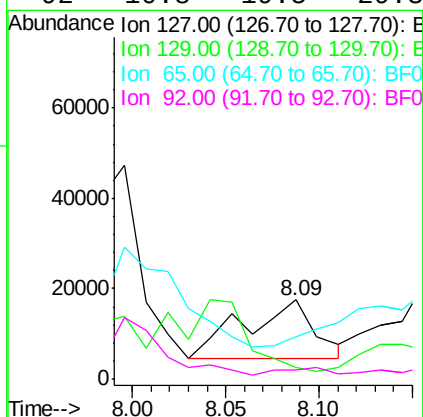
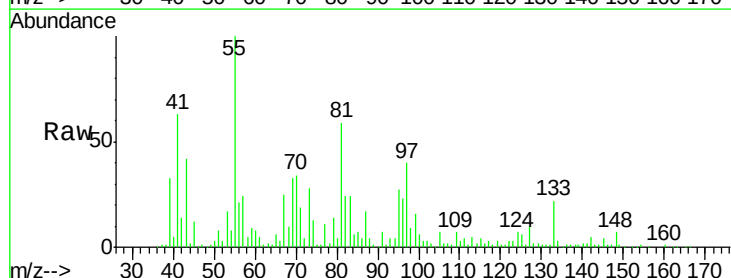
Instrument :
BNA_F
ClientSampleId :

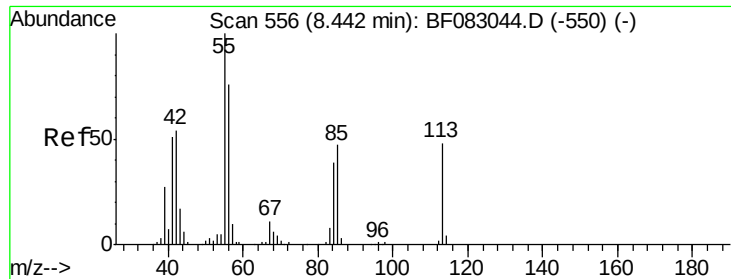
Tot Ion:122 Resp: 397884
Ion Ratio Lower Upper
122 100
105 138.1 115.0 155.0
77 115.0 89.0 129.0



#33
4-Chloroaniline
Concen: 2.77 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.02 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Tgt Ion:127 Resp: 34005
Ion Ratio Lower Upper
127 100
129 15.4 26.1 39.1#
65 54.1 34.4 51.6#
92 10.8 19.5 29.3#





#35

Caprolactam

Concen: 51.47 ng

RT: 8.46 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

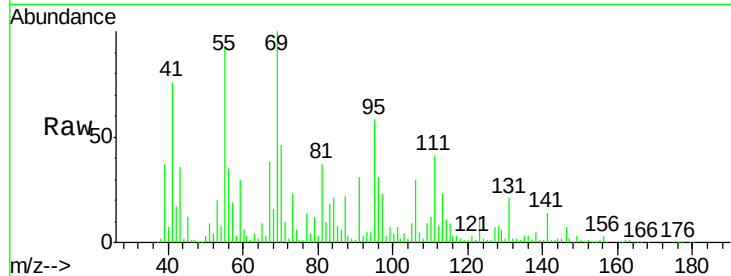
Tot Ion:113 Resp: 136843

Ion Ratio Lower Upper

113 100

55 401.5 189.1 229.1#

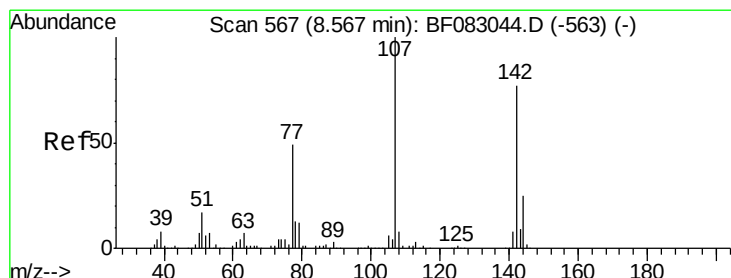
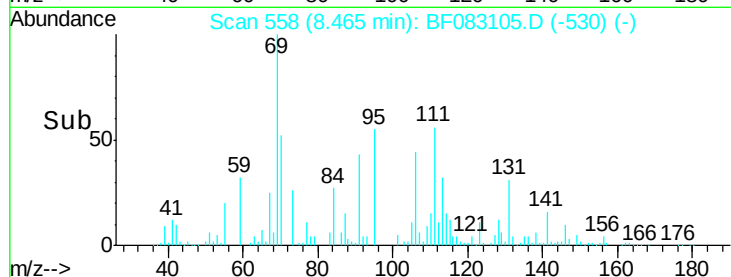
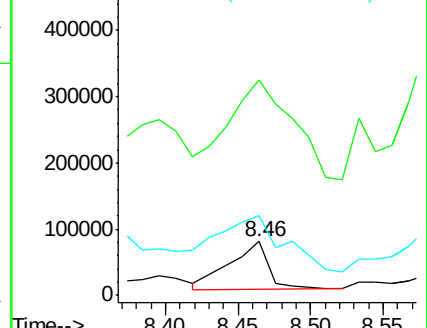
56 149.3 137.9 177.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 3.13 ng

RT: 8.60 min Scan# 570

Delta R.T. 0.03 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

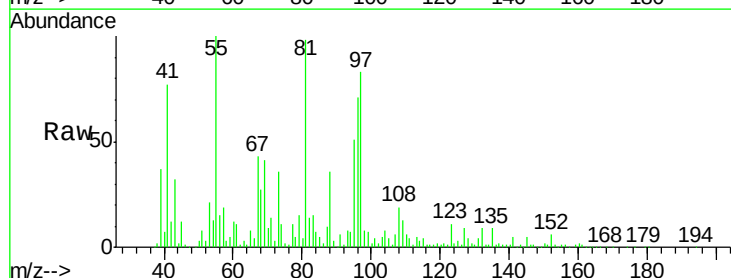
Tgt Ion:107 Resp: 30282

Ion Ratio Lower Upper

107 100

144 8.0 20.0 30.0#

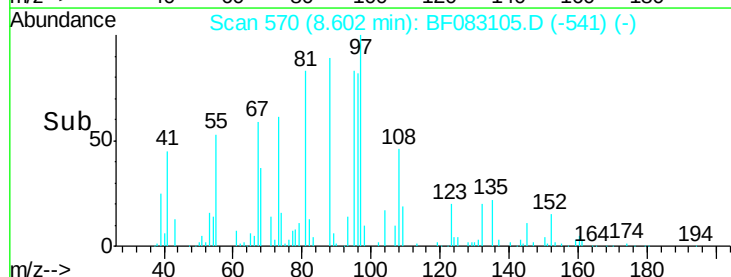
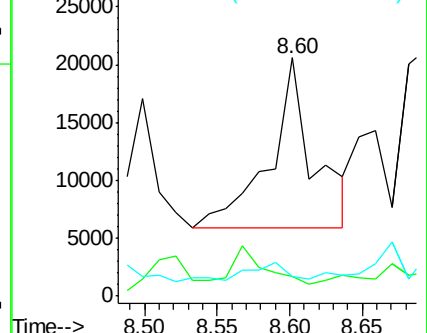
142 8.5 61.3 91.9#

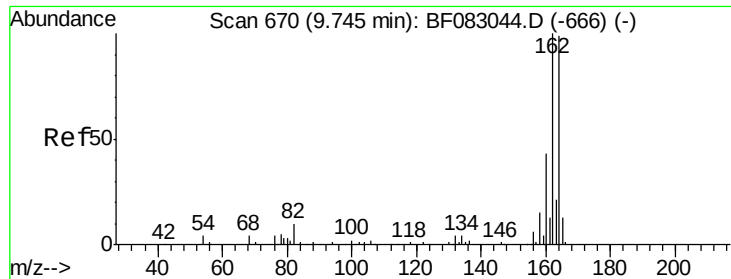


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampled :

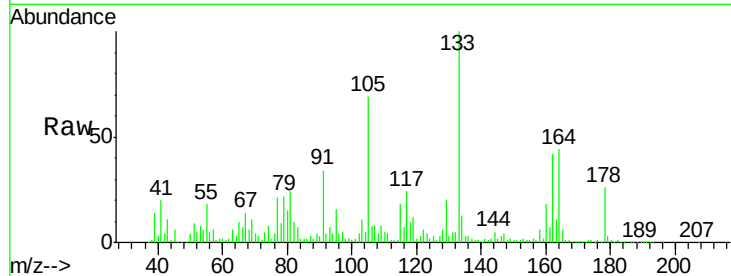
Tot Ion:164 Resp: 743853

Ion Ratio Lower Upper

164 100

162 94.7 80.5 120.7

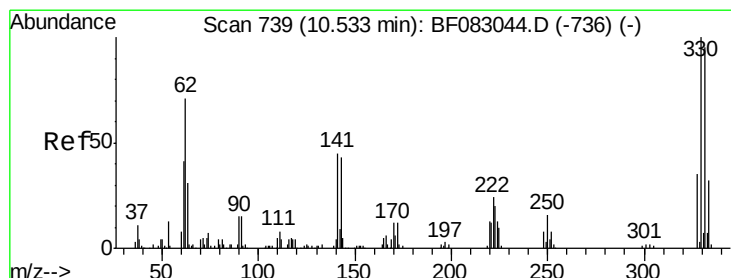
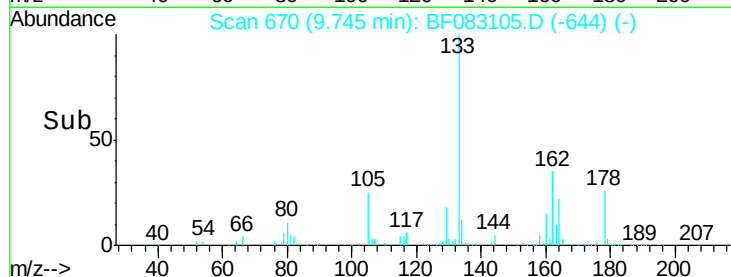
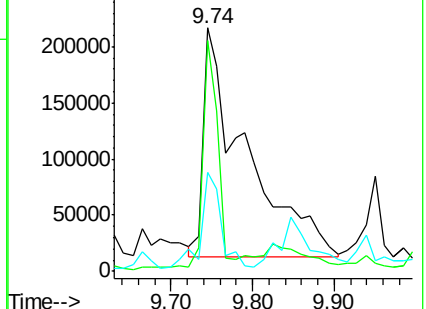
160 40.5 35.0 52.4



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: 31.83 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

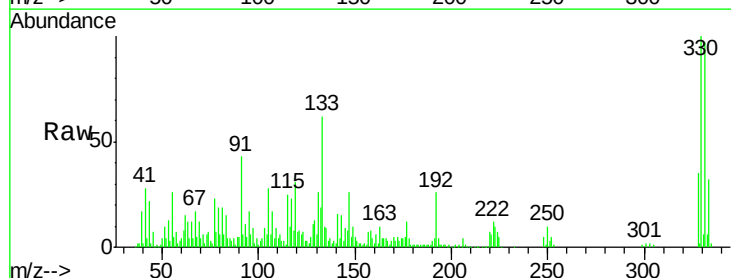
Tgt Ion:330 Resp: 251357

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

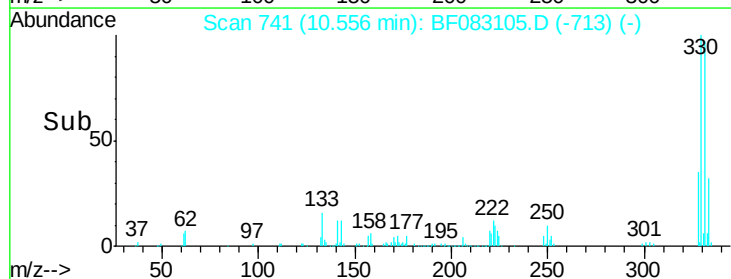
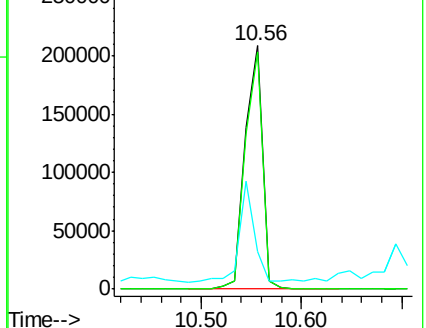
141 36.7 34.6 52.0

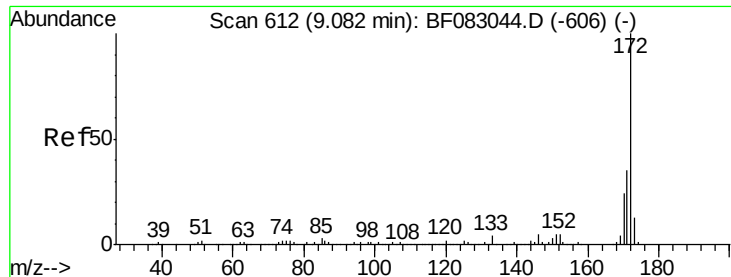


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

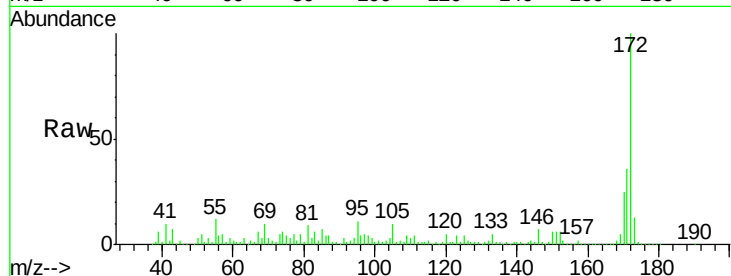




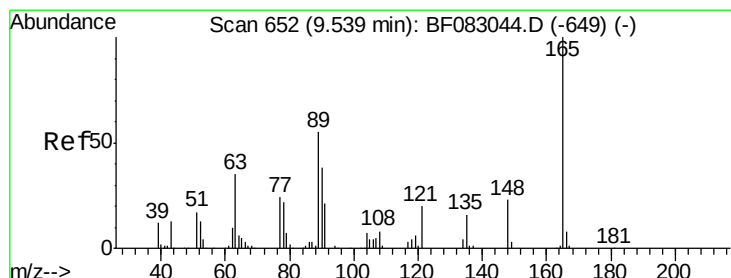
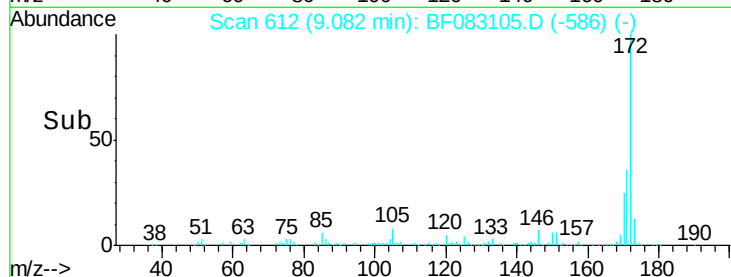
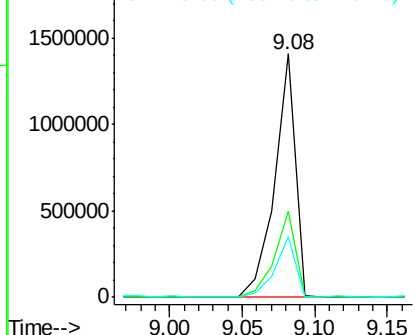
#44
2-Fluorobiphenyl
Concen: 25.13 ng
RT: 9.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1387911
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 24.9 19.4 29.0

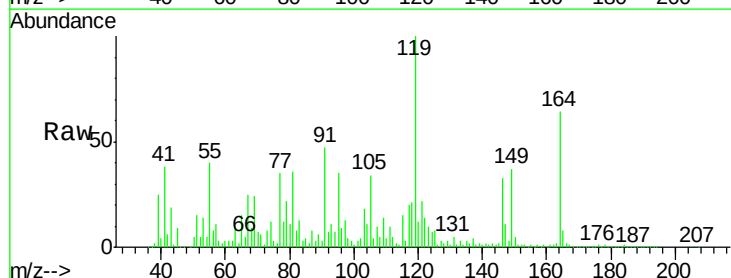


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

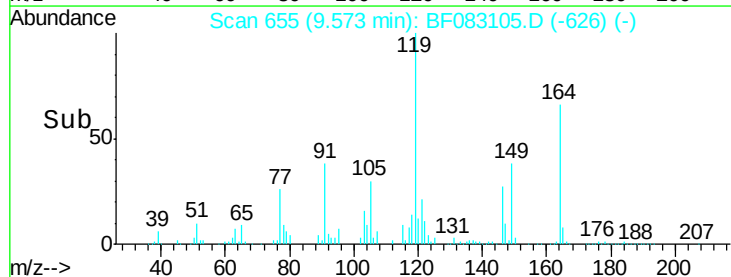
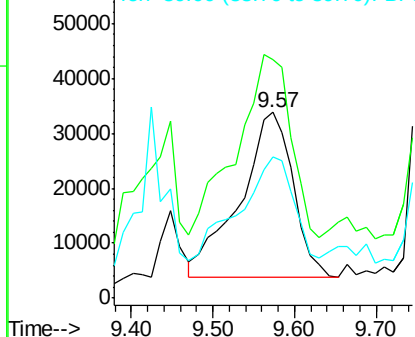


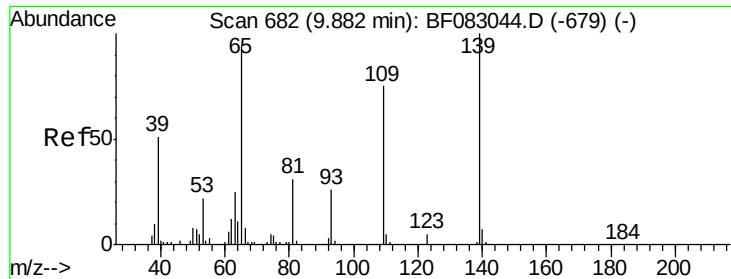
#50
2,6-Dinitrotoluene
Concen: 10.28 ng
RT: 9.57 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Tgt Ion:165 Resp: 135675
Ion Ratio Lower Upper
165 100
63 128.5 40.6 61.0#
89 76.3 44.5 66.7#



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

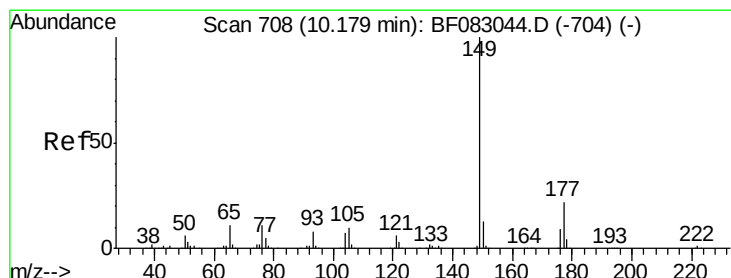
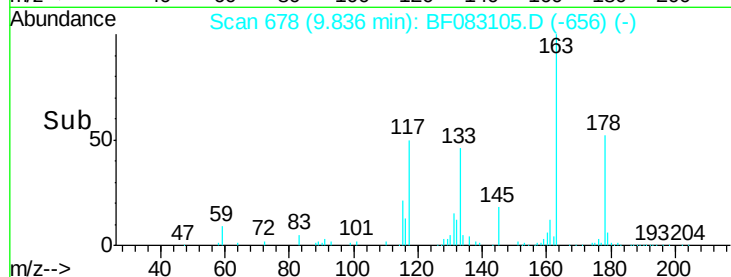
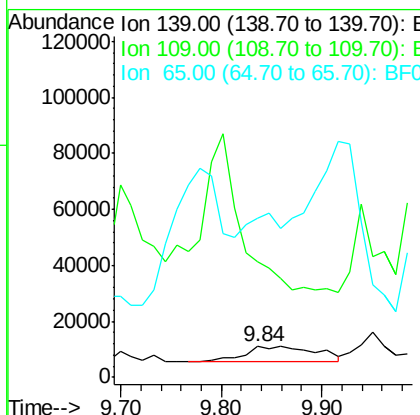
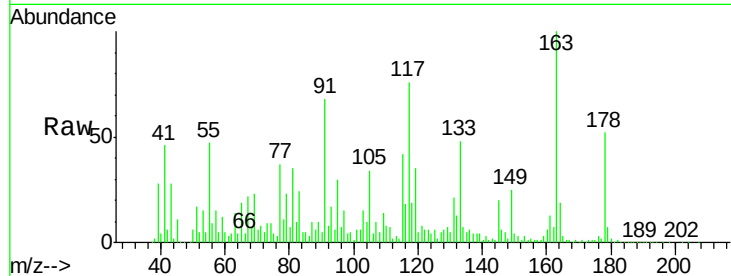




#55
4-Nitrophenol
Concen: 2.66 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

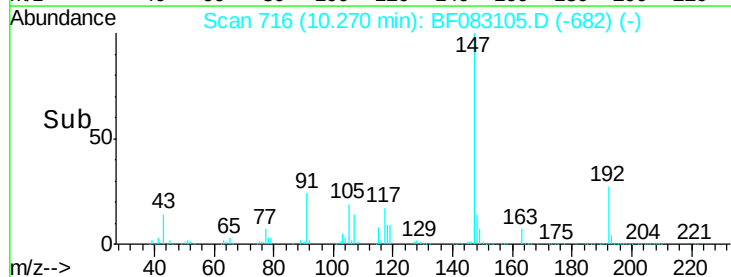
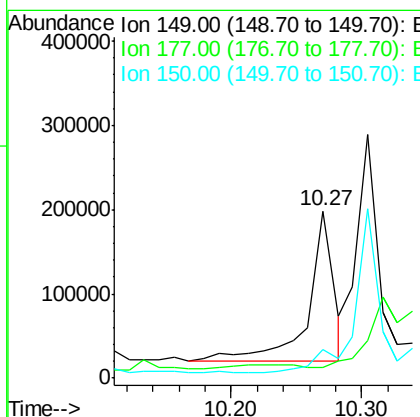
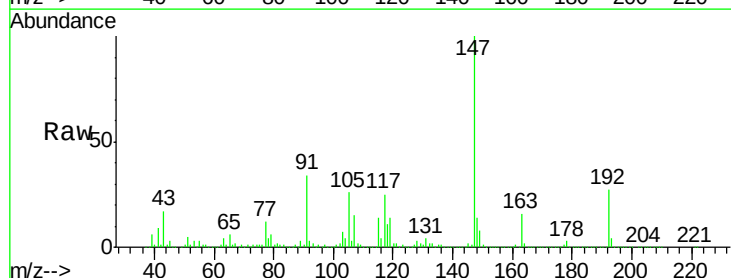
Instrument :
BNA_F
ClientSampleId :

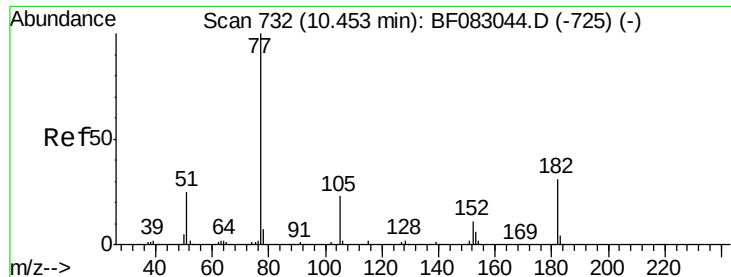
Tot Ion:139 Resp: 27489
Ion Ratio Lower Upper
139 100
109 375.1 54.6 94.6#
65 511.9 74.4 114.4#



#59
Diethylphthalate
Concen: 4.10 ng
RT: 10.27 min Scan# 716
Delta R.T. 0.09 min
Lab File: BF083105.D
Acq: 21 Nov 2015 5:30

Tgt Ion:149 Resp: 244864
Ion Ratio Lower Upper
149 100
177 6.4 17.4 26.2#
150 17.1 10.2 15.2#





#62

Azobenzene

Concen: 4.71 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.03 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 315063

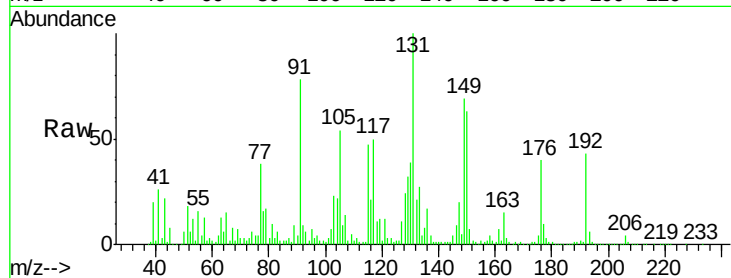
Ion Ratio Lower Upper

77 100

182 0.9 10.8 50.8#

105 140.6 3.4 43.4#

51 47.6 4.7 44.7#

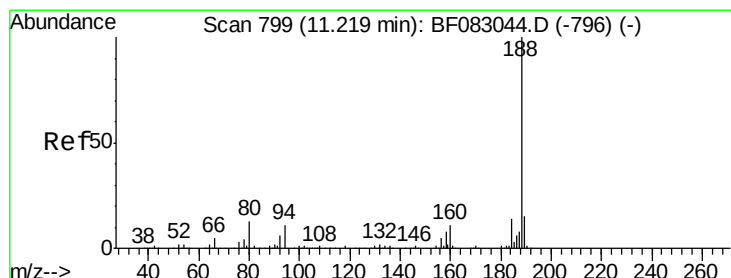
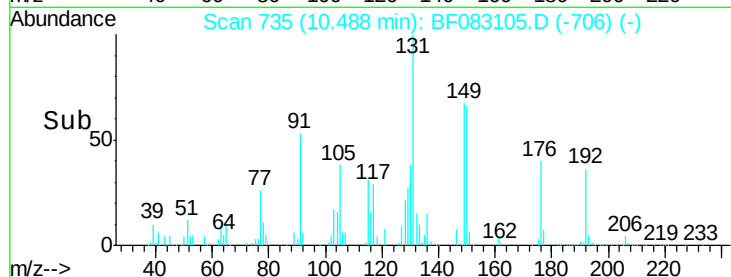
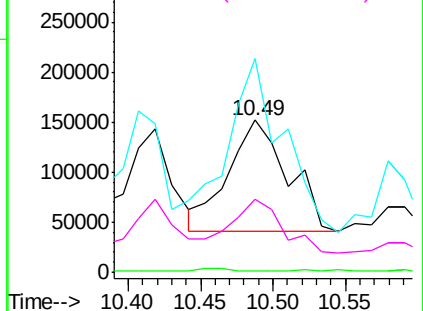


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.23 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

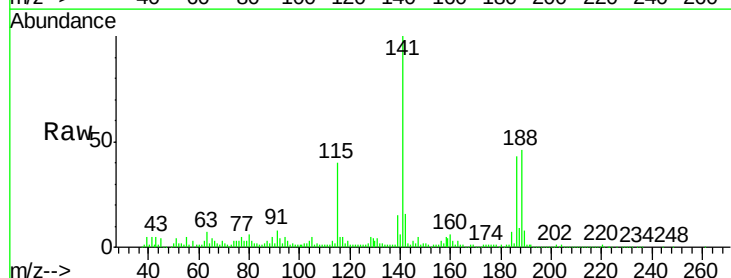
Tgt Ion: 188 Resp: 391781

Ion Ratio Lower Upper

188 100

94 12.0 9.0 13.4

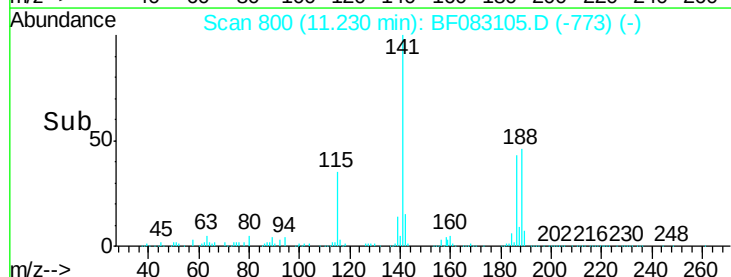
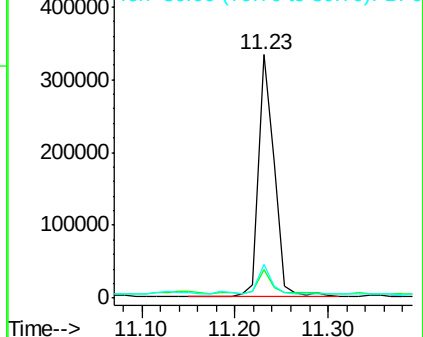
80 13.9 10.2 15.4

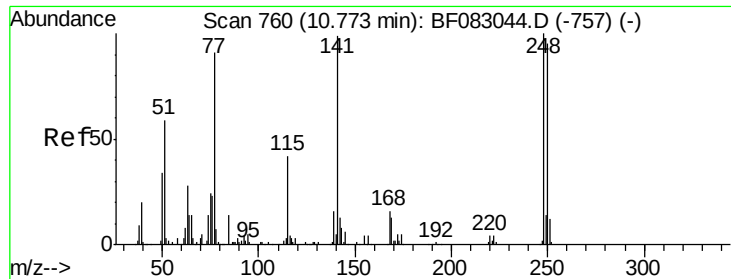


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

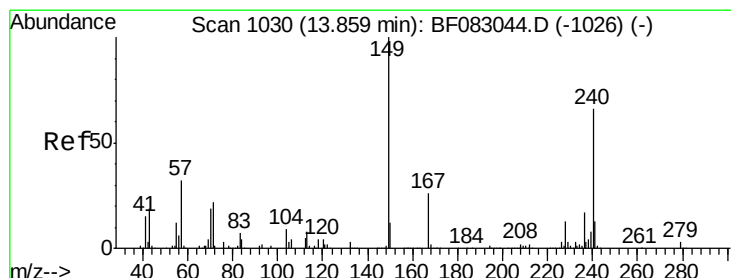
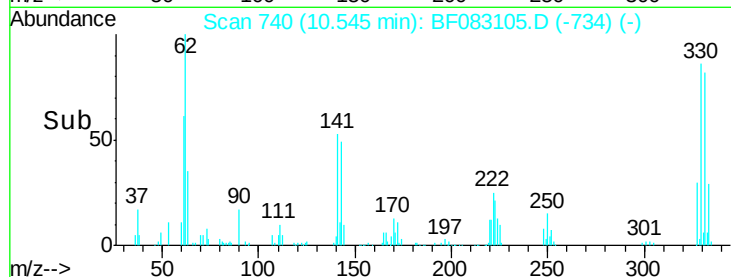
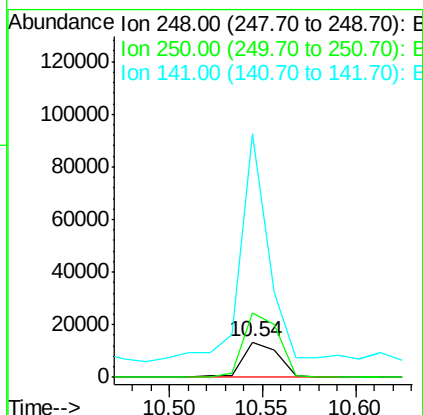
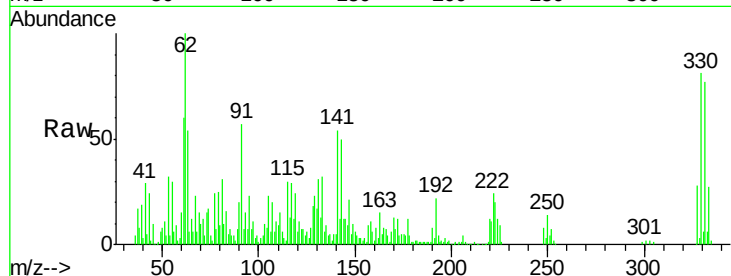




#66
 4-Bromophenyl-phenylether
 Concen: 3.81 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.23 min
 Lab File: BF083105.D
 Acq: 21 Nov 2015 5:30

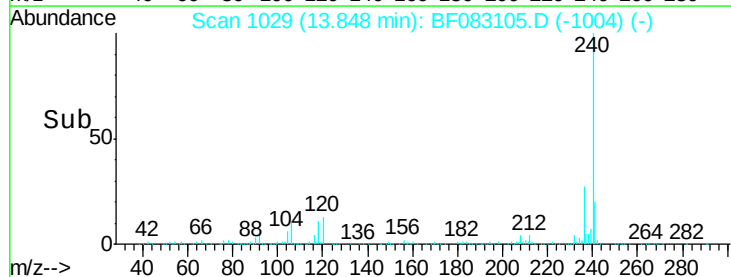
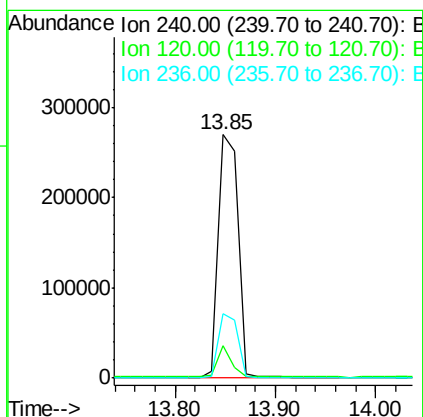
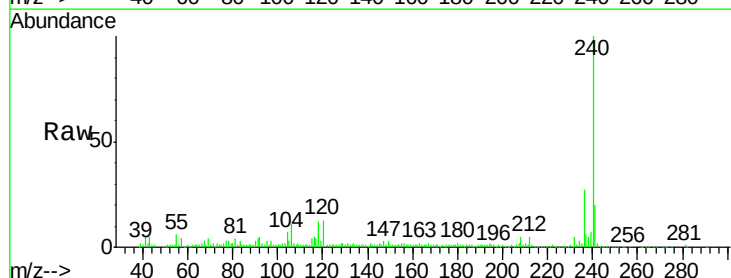
Instrument :
 BNA_F
 ClientSampleId :

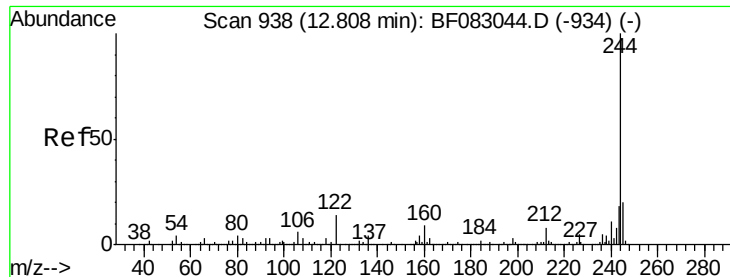
Tot Ion:248 Resp: 17283
 Ion Ratio Lower Upper
 248 100
 250 183.7 76.1 114.1#
 141 692.0 79.2 118.8#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF083105.D
 Acq: 21 Nov 2015 5:30

Tgt Ion:240 Resp: 368729
 Ion Ratio Lower Upper
 240 100
 120 13.2 5.3 7.9#
 236 26.7 20.4 30.6





#78

Terphenyl-d14

Concen: 56.18 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 877432

Ion Ratio Lower Upper

244 100

212 7.3

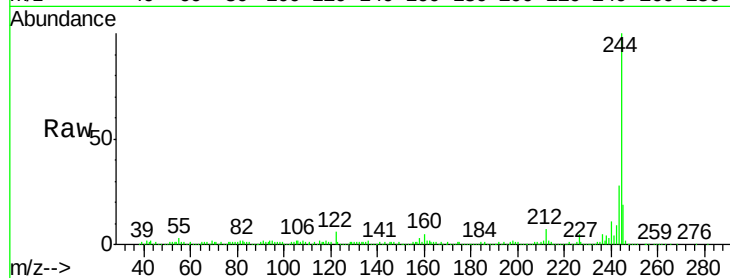
6.4

9.6

122 6.1

10.9

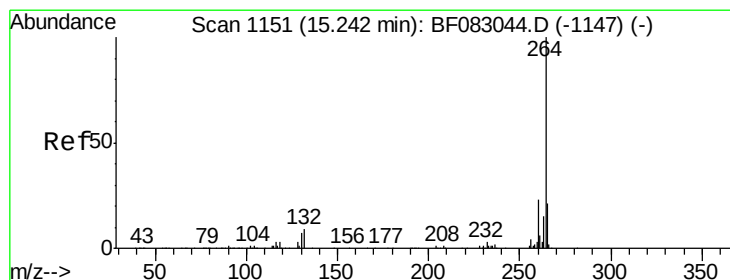
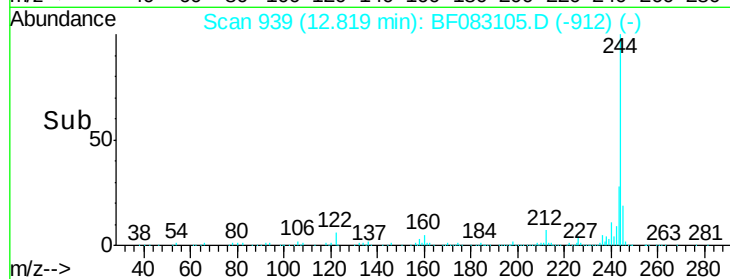
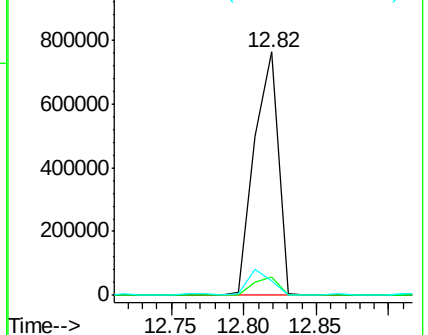
16.3#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF083105.D

Acq: 21 Nov 2015 5:30

Tgt Ion:264 Resp: 288493

Ion Ratio Lower Upper

264 100

260 23.1

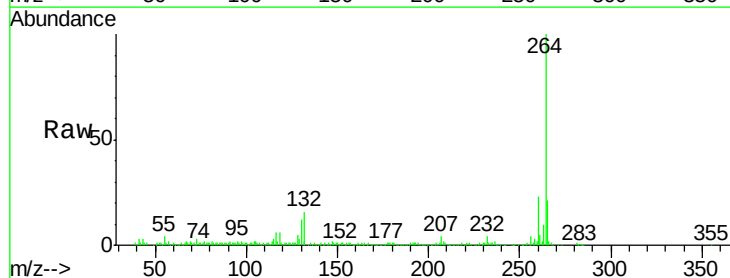
18.6

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

