

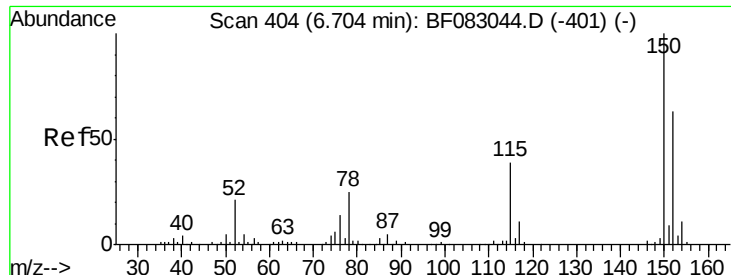
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
 Data File : BF083064.D
 Acq On : 20 Nov 2015 5:52
 Operator : UM/IZ
 Sample : G4436-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

Quant Time: Nov 20 07:08:30 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	130084	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	493944	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	220624	20.00	ng	-0.01
63) Phenanthrene-d10	11.22	188	521801	20.00	ng	0.00
75) Chrysene-d12	13.85	240	447605	20.00	ng	-0.01
86) Perylene-d12	15.23	264	52860	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1070449	127.81	ng	0.02
7) Phenol-d6	6.35	99	1079247	97.84	ng	0.00
23) Nitrobenzene-d5	7.26	82	869105	80.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	403953	172.45	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1492156	91.09	ng	-0.01
78) Terphenyl-d14	12.81	244	1411871	74.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	29974	3.68	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.26	70	119385	14.81	ng	# 77
25) Isophorone	7.26	82	660564	32.46	ng	# 69
50) 2,6-Dinitrotoluene	9.73	165	28664	7.32	ng	# 27
56) 2,4-Dinitrotoluene	9.73	165	28666	5.47	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	27492	4.55	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

Instrument :

BNA_F

ClientSampleId :

PM-1356

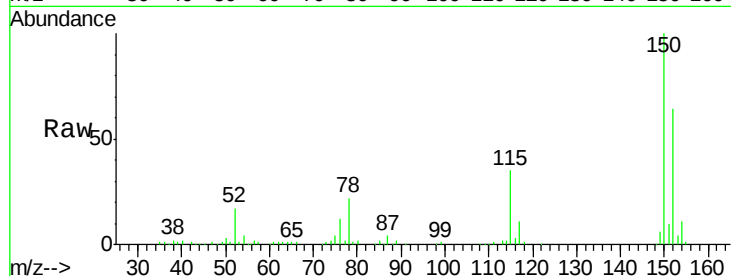
Tgt Ion:152 Resp: 130084

Ion Ratio Lower Upper

152 100

150 155.6 126.4 189.6

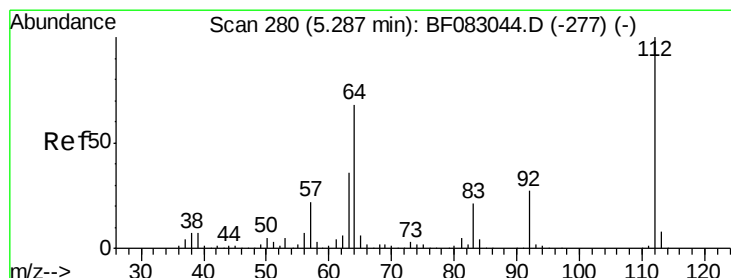
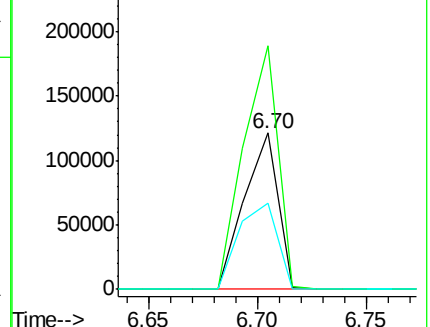
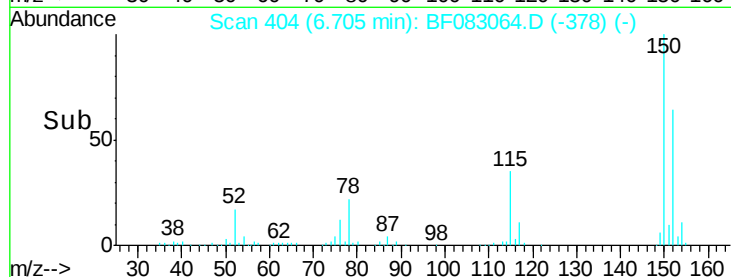
115 55.1 49.0 73.6



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: 127.81 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

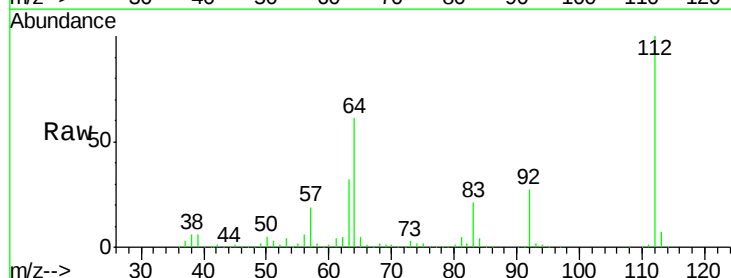
Tgt Ion:112 Resp: 1070449

Ion Ratio Lower Upper

112 100

64 61.3 54.8 82.2

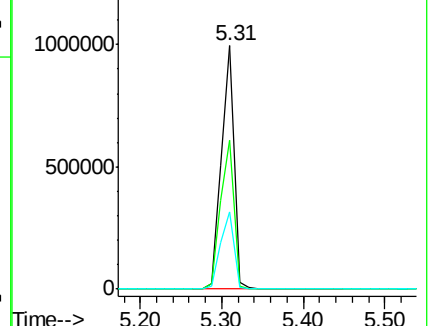
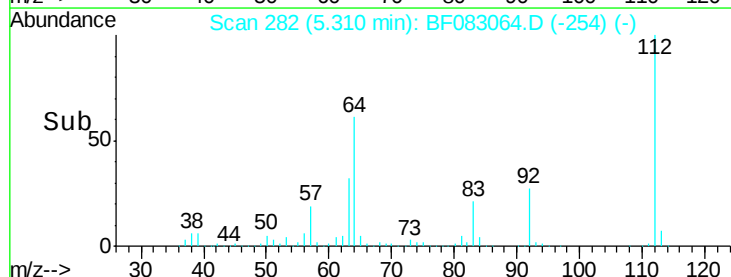
63 31.9 29.0 43.4

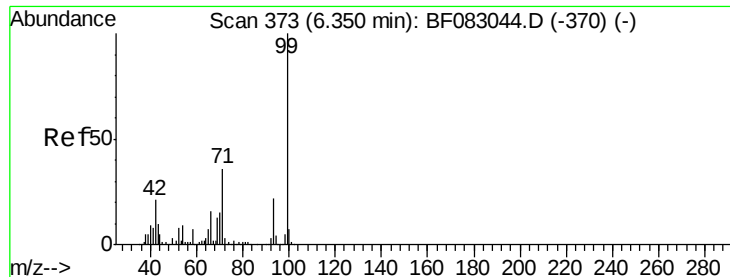


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.84 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

Instrument :

BNA_F

ClientSampleId :

PM-1356

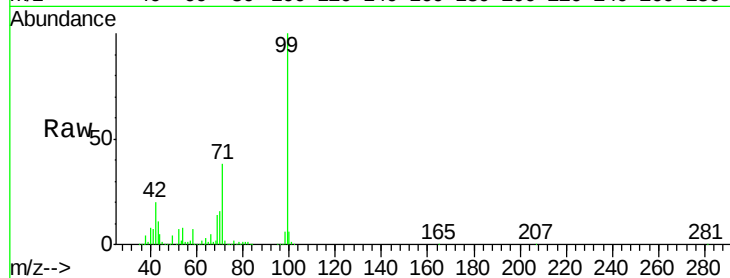
Tgt Ion: 99 Resp: 1079247

Ion Ratio Lower Upper

99 100

42 20.5 16.6 25.0

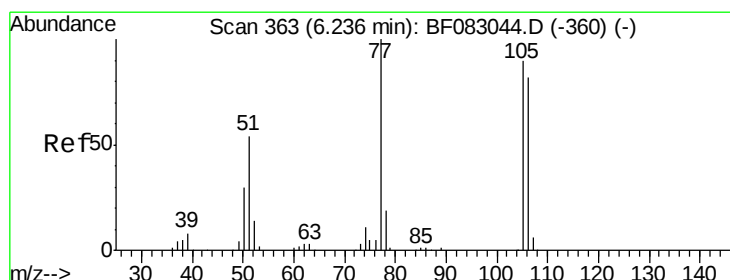
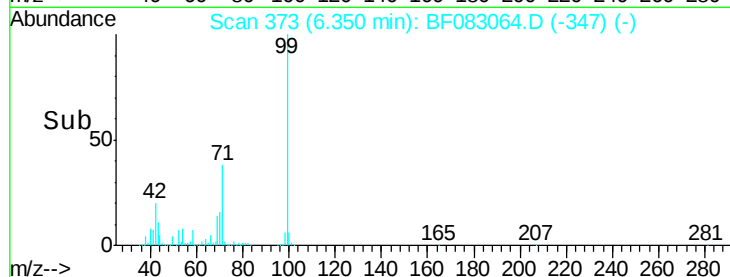
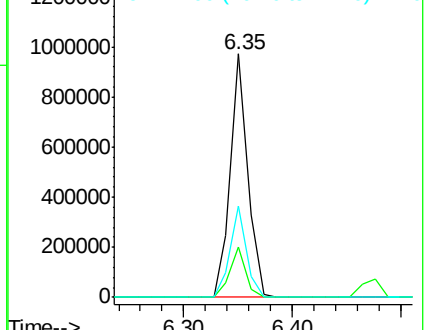
71 37.5 29.2 43.8



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: 3.68 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.24 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

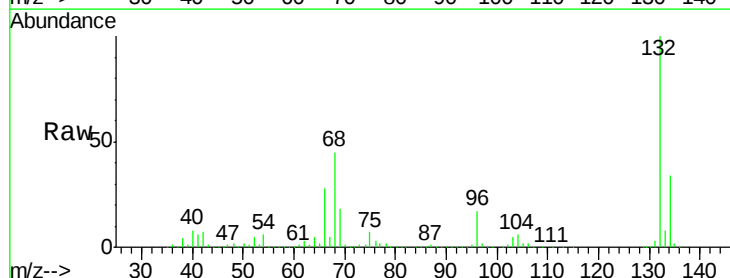
Tgt Ion: 77 Resp: 29974

Ion Ratio Lower Upper

77 100

105 79.1 69.6 109.6

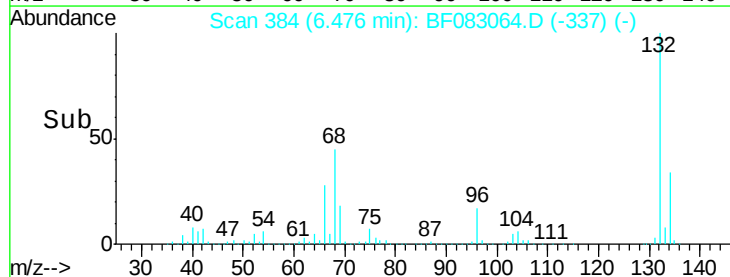
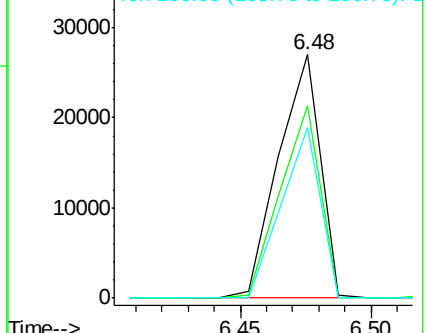
106 70.3 62.0 102.0

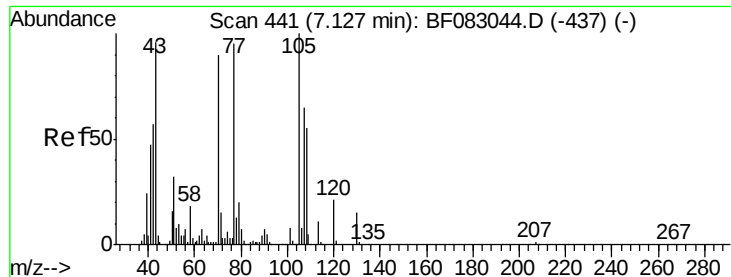


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

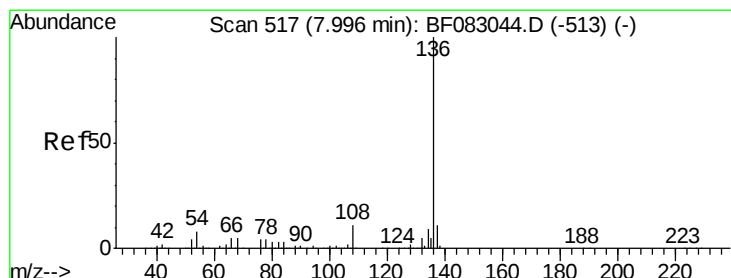
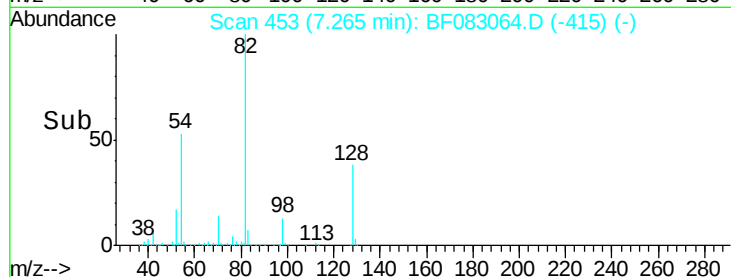
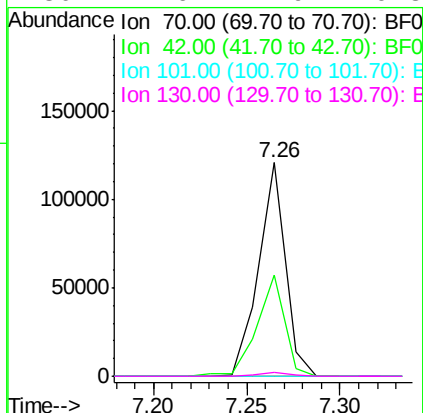
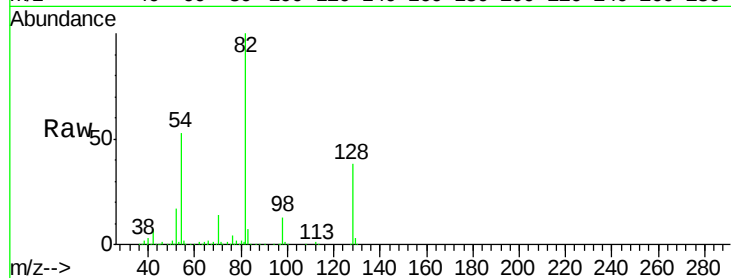




#19
n-Nitroso-di-n-propylamine
Concen: 14.81 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF083064.D
Acq: 20 Nov 2015 5:52

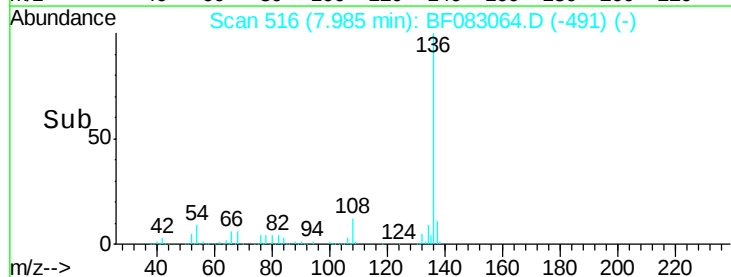
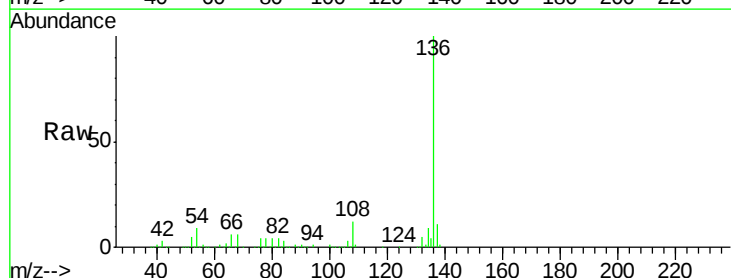
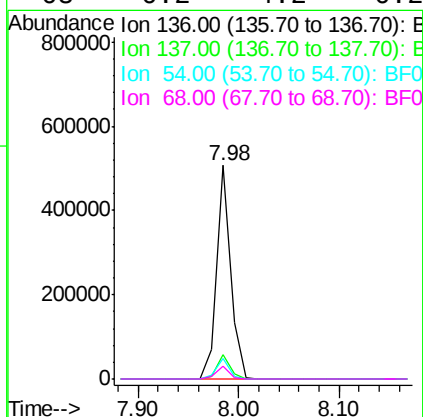
Instrument :
BNA_F
ClientSampleId :
PM-1356

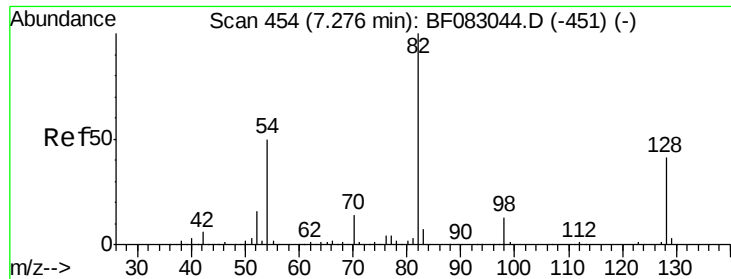
Tgt Ion: 70 Resp: 119385
Ion Ratio Lower Upper
70 100
42 47.2 50.2 75.2#
101 0.0 6.8 10.2#
130 1.6 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF083064.D
Acq: 20 Nov 2015 5:52

Tgt Ion: 136 Resp: 493944
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.5 6.2 9.2#
68 6.2 4.2 6.2

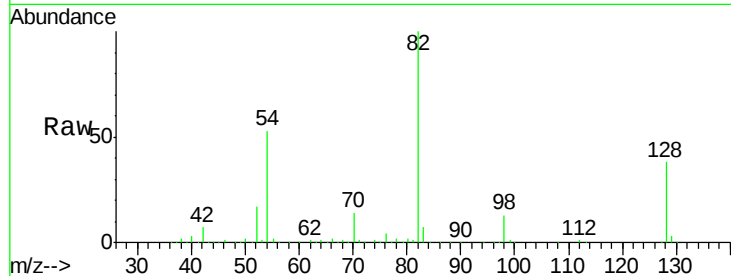




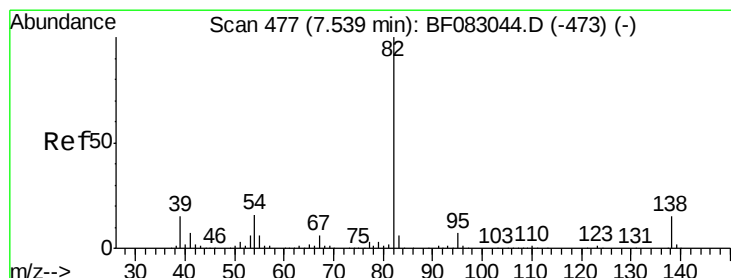
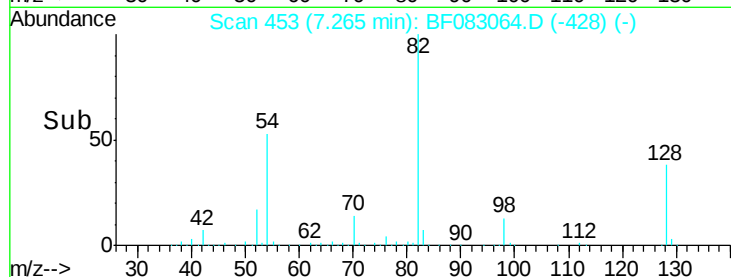
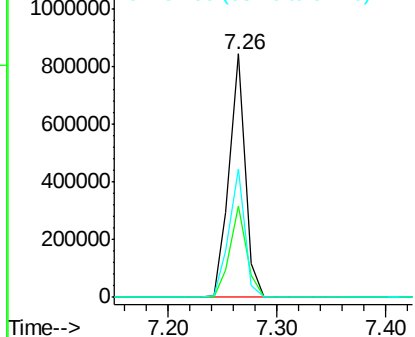
#23
 Nitrobenzene-d5
 Concen: 80.55 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	33.1	49.7
54	52.8	39.8	59.6

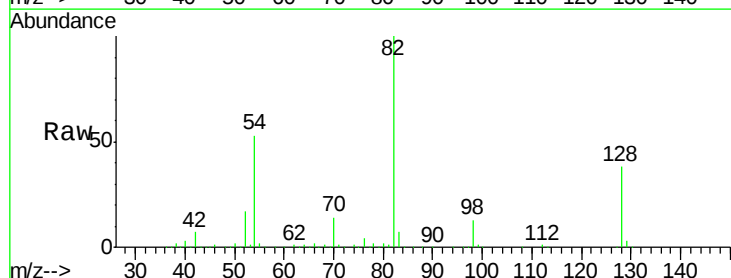


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

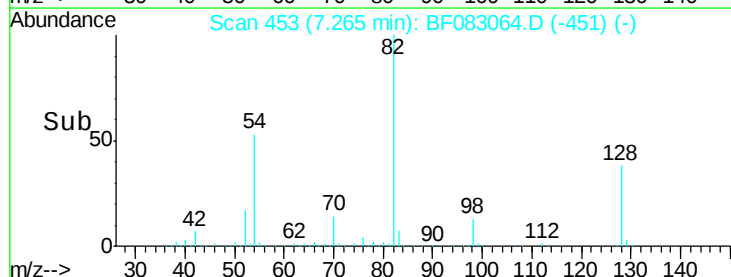
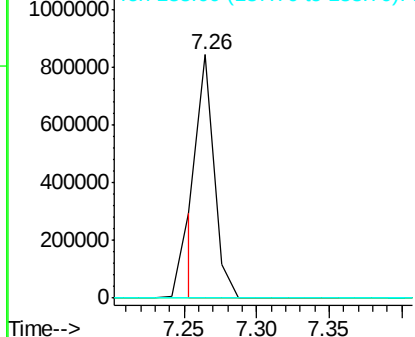


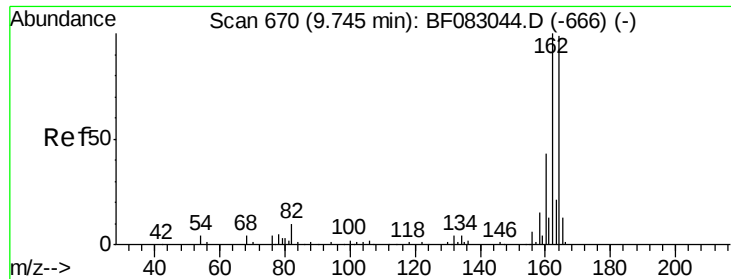
#25
 Isophorone
 Concen: 32.46 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.27 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	12.2	18.4#



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

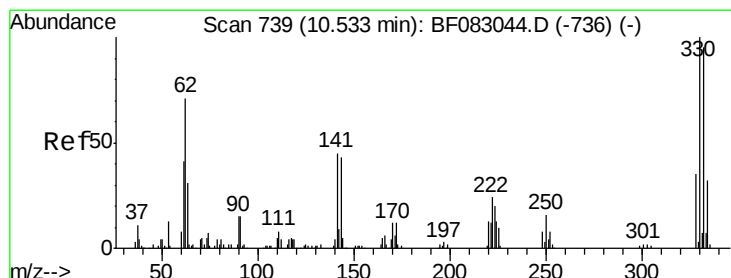
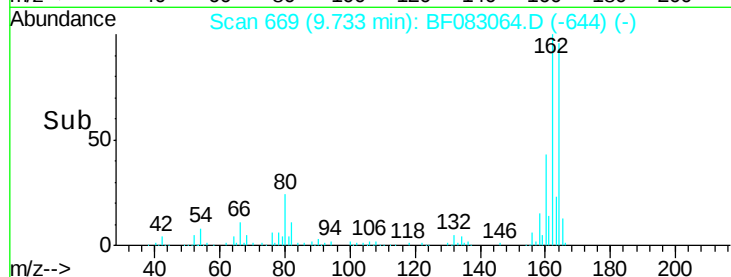
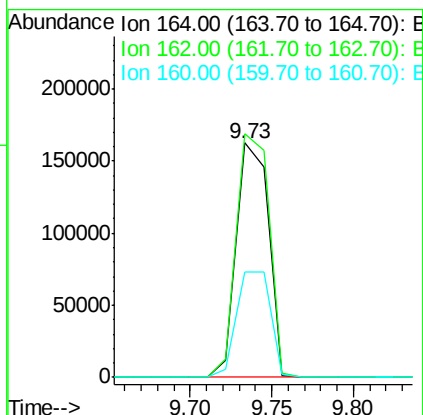
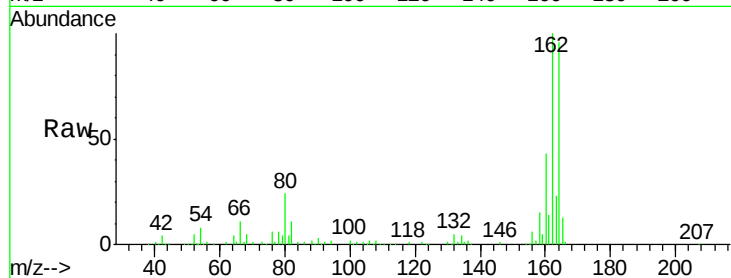




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

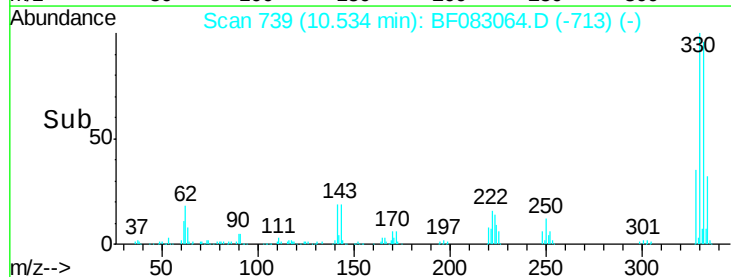
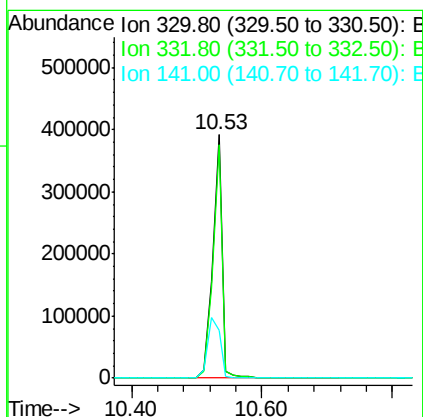
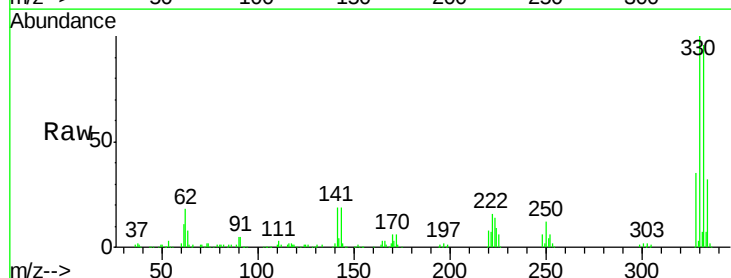
Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

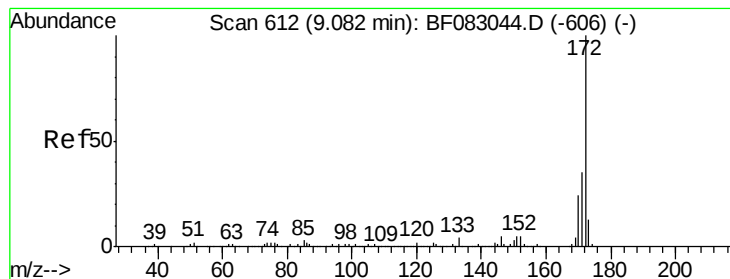
Tgt Ion:164 Resp: 220624
 Ion Ratio Lower Upper
 164 100
 162 104.0 80.5 120.7
 160 45.0 35.0 52.4



#41
 2,4,6-Tribromophenol
 Concen: 172.45 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Tgt Ion:330 Resp: 403953
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.6 116.4
 141 33.1 34.6 52.0#





#44

2-Fluorobiphenyl

Concen: 91.09 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.01 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

Instrument :

BNA_F

ClientSampleId :

PM-1356

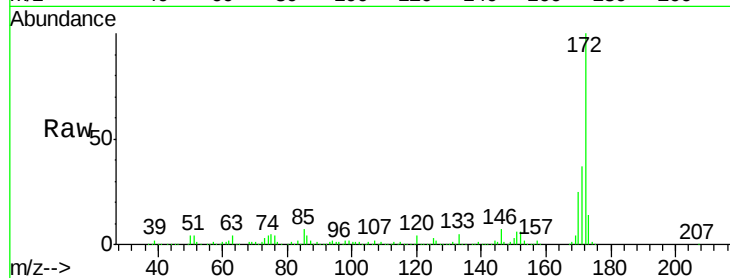
Tgt Ion:172 Resp: 1492156

Ion Ratio Lower Upper

172 100

171 36.7 28.2 42.4

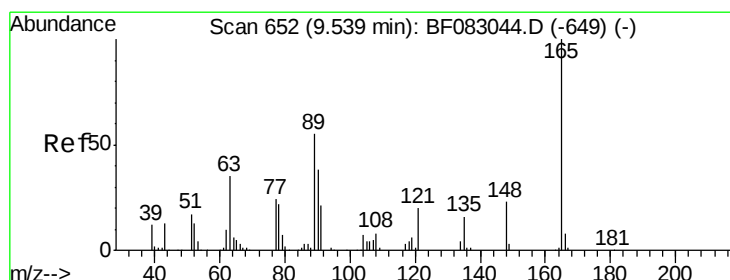
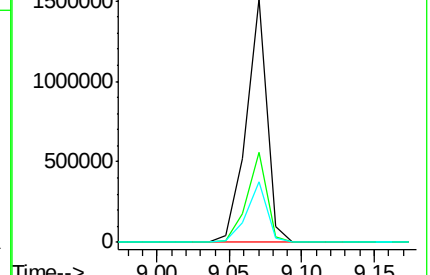
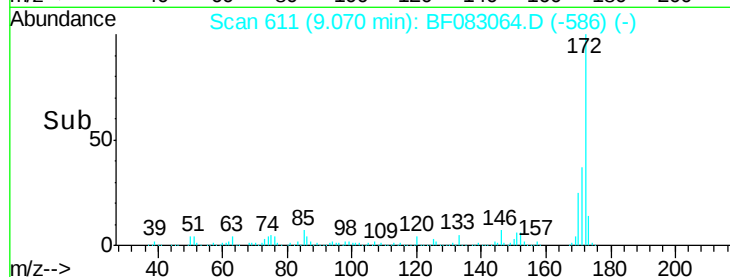
170 24.6 19.4 29.0



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: 7.32 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.19 min

Lab File: BF083064.D

Acq: 20 Nov 2015 5:52

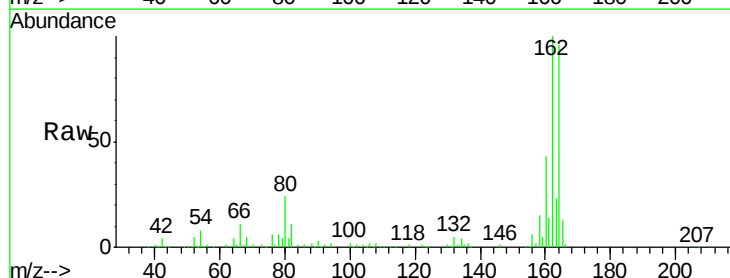
Tgt Ion:165 Resp: 28664

Ion Ratio Lower Upper

165 100

63 0.0 40.6 61.0#

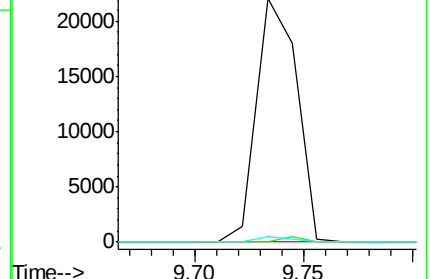
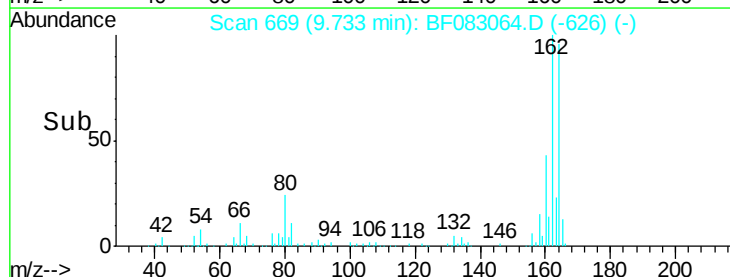
89 2.2 44.5 66.7#

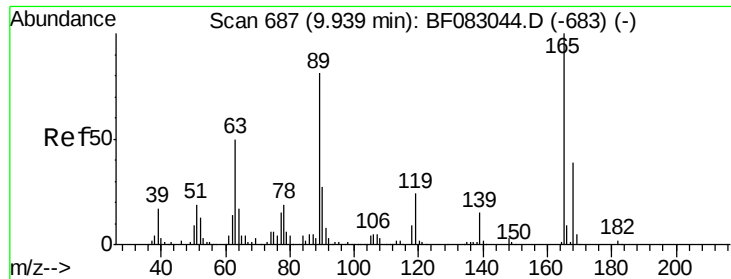


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

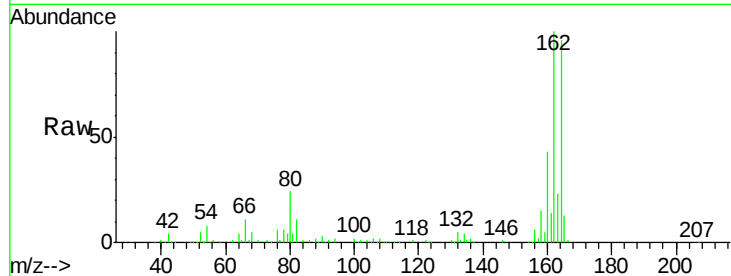




#56
 2,4-Dinitrotoluene
 Concen: 5.47 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.21 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

Tgt Ion:	165	Resp:	28666
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.6	61.0#
89	2.2	64.4	96.6#
182	0.0	1.6	2.4#

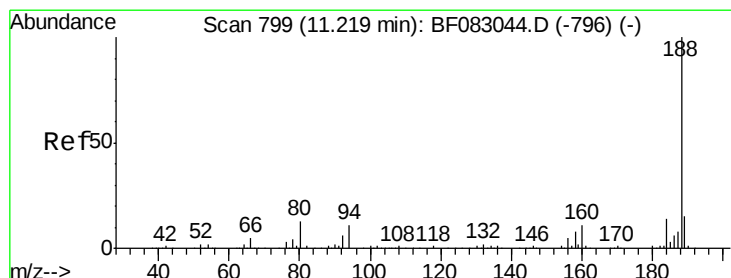
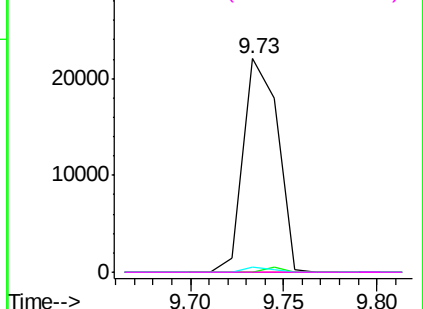
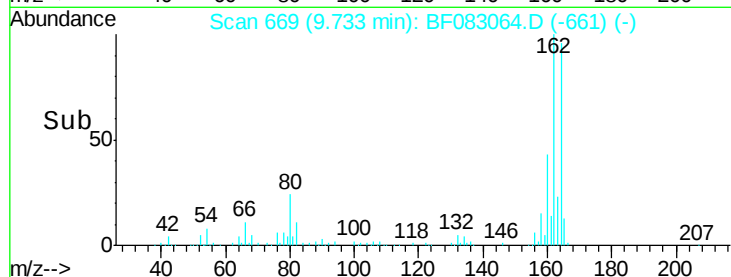


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

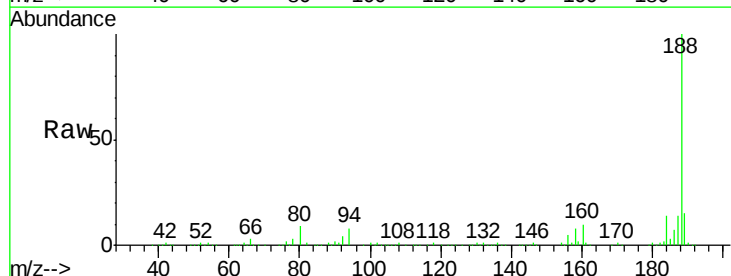
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

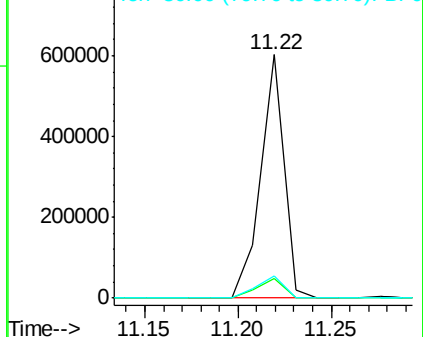
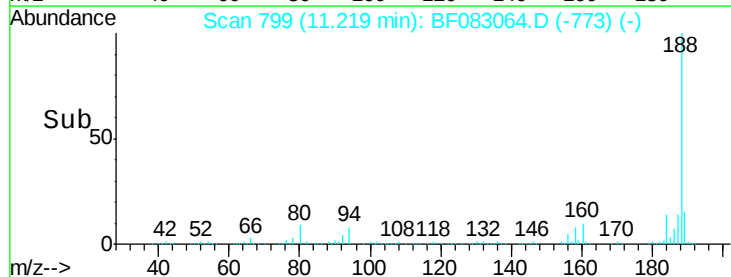
Tgt Ion:	188	Resp:	521801
Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.0	13.4#
80	9.1	10.2	15.4#

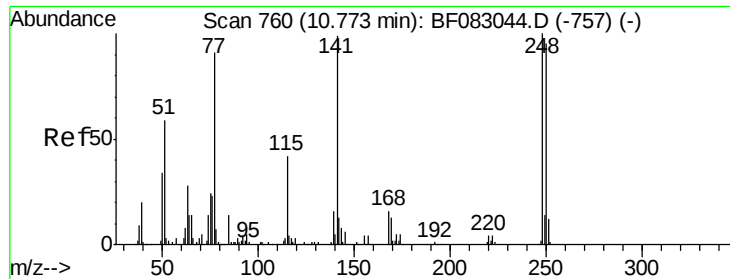


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

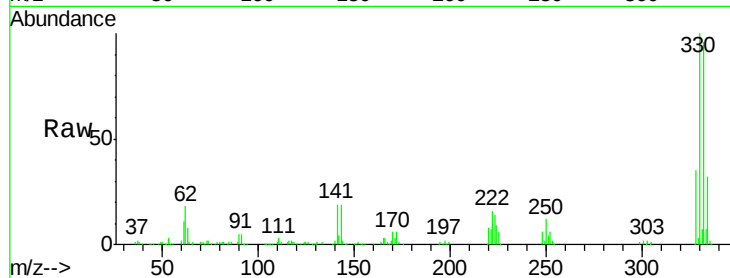




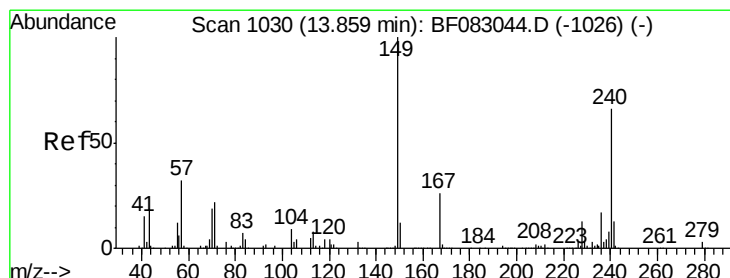
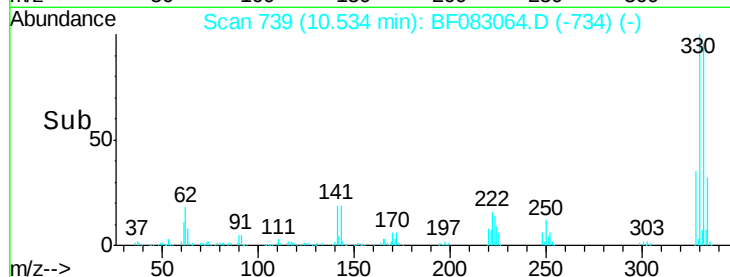
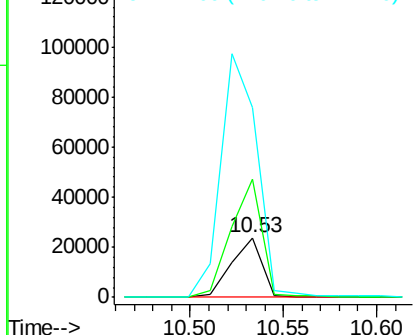
#66
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.24 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

Tgt Ion: 248 Resp: 27492
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.1 114.1#
 141 321.1 79.2 118.8#

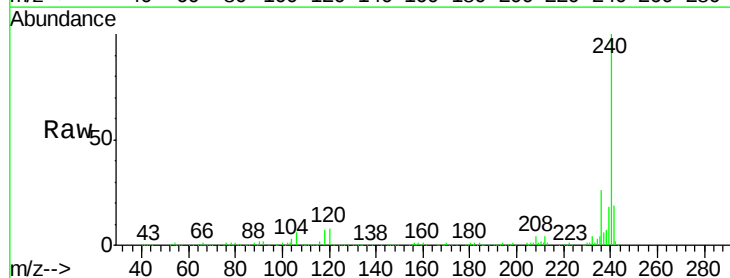


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

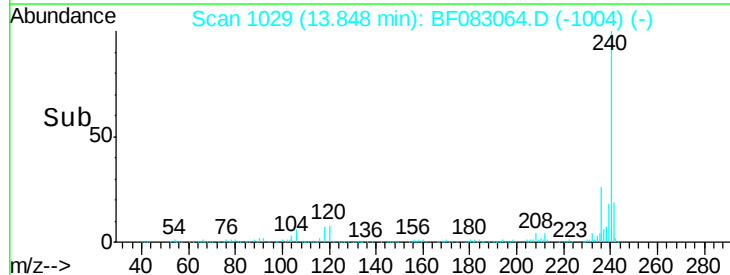
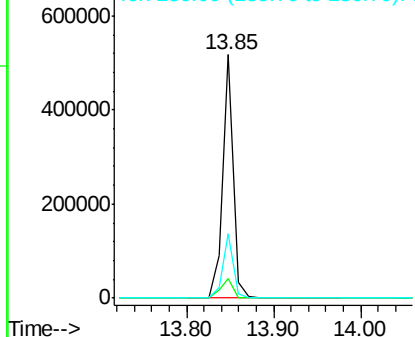


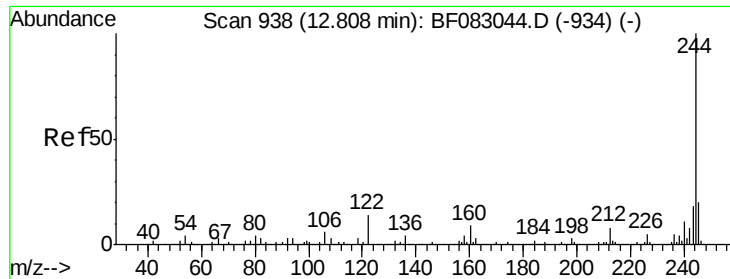
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Tgt Ion: 240 Resp: 447605
 Ion Ratio Lower Upper
 240 100
 120 8.1 5.3 7.9#
 236 26.2 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

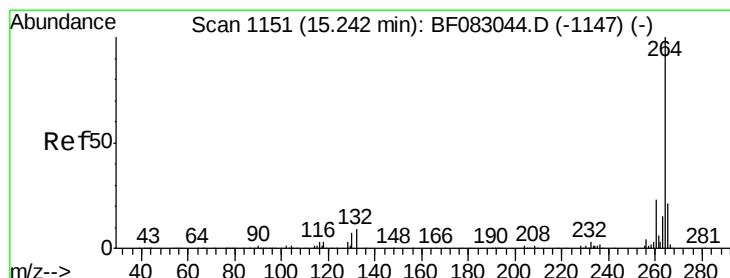
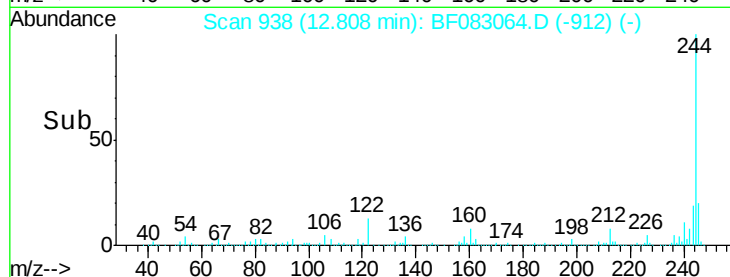
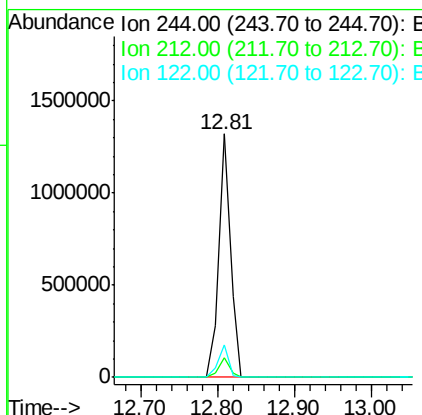
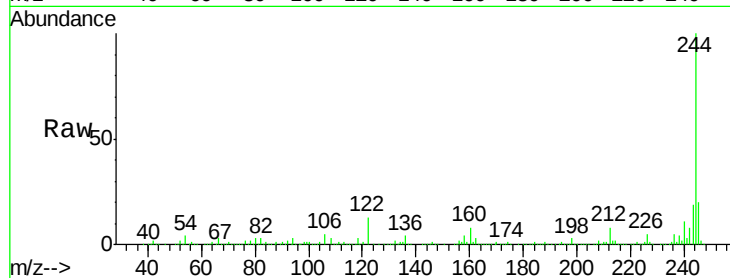




#78
 Terphenyl-d14
 Concen: 74.46 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356

Tgt Ion:244 Resp: 1411871
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.4 9.6
 122 13.4 10.9 16.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083064.D
 Acq: 20 Nov 2015 5:52

Tgt Ion:264 Resp: 52860
 Ion Ratio Lower Upper
 264 100
 260 51.3 18.6 27.8#
 265 18.7 17.0 25.6

