

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083962.D
 Acq On : 19 Dec 2015 18:47
 Operator : UM/SJ
 Sample : G4855-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Quant Time: Dec 21 00:57:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

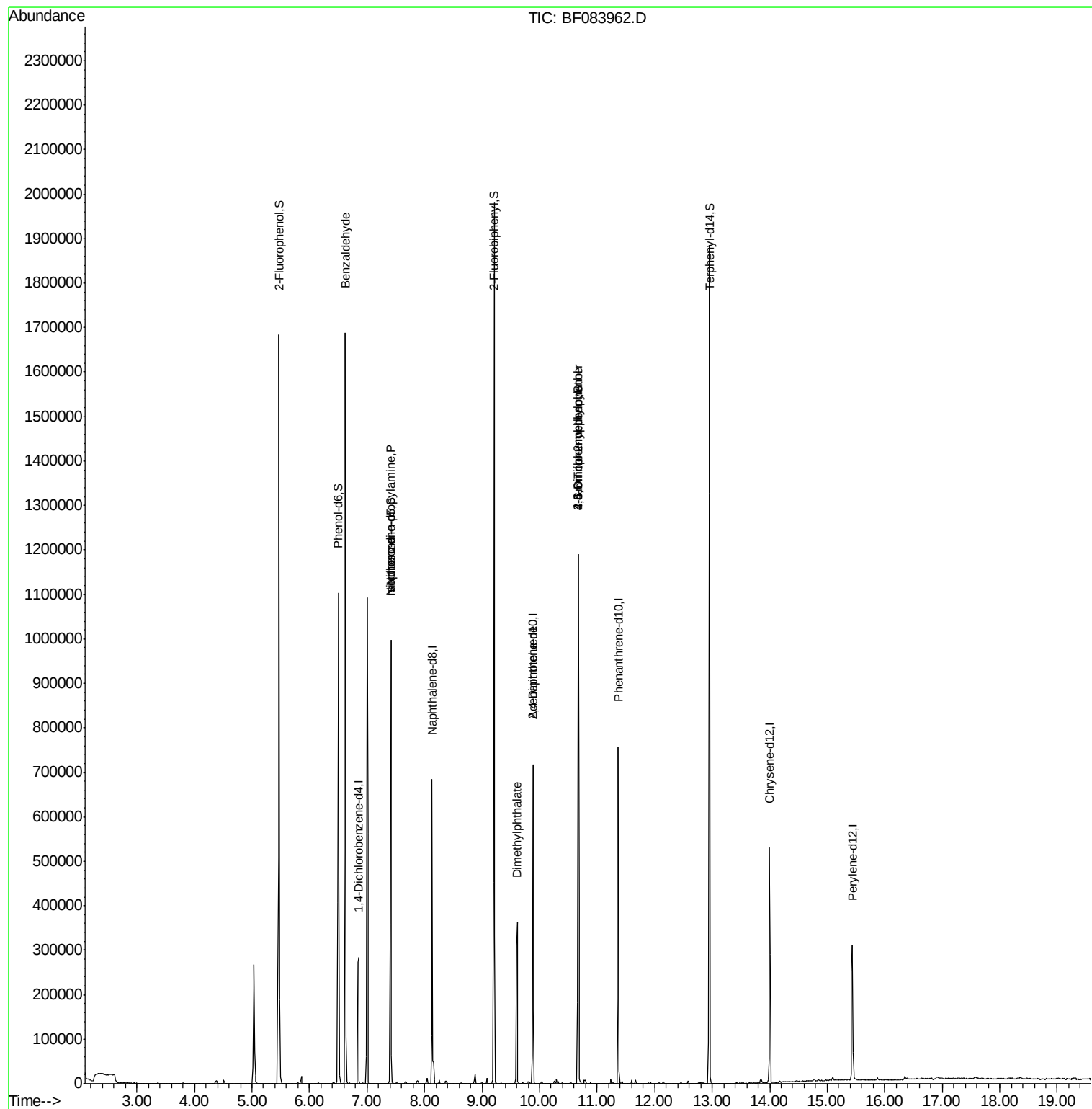
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	66830	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	297588	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	140311	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	270296	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	215383	20.00	ng	-0.03
86) Perylene-d12	15.44	264	163025	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	487376	114.13	ng	-0.01
7) Phenol-d6	6.50	99	545476	104.36	ng	-0.01
23) Nitrobenzene-d5	7.41	82	342072	65.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	159682	103.30	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	638270	61.09	ng	-0.03
78) Terphenyl-d14	12.96	244	756571	81.90	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.62	77	11534	3.66	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.41	70	48828	16.02	ng	# 77
25) Isophorone	7.41	82	252824	25.77	ng	# 66
31) Naphthalene	8.16	128	3842	Below	Cal	98
45) 1,1'-Biphenyl	9.21	154	1269	Below	Cal	# 1
49) Dimethylphthalate	9.61	163	225734	19.17	ng	# 91
56) 2,4-Dinitrotoluene	9.88	165	18321	5.57	ng	# 21
57) Fluorene	10.43	166	305	Below	Cal	# 83
64) 4,6-Dinitro-2-methylphenol	10.67	198	306	4.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	10214	3.09	ng	# 1
77) Pyrene	12.58	202	3167	Below	Cal	95

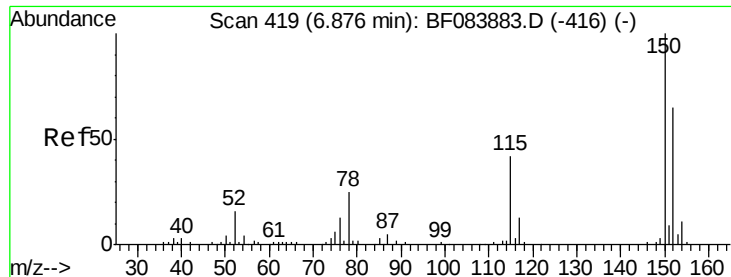
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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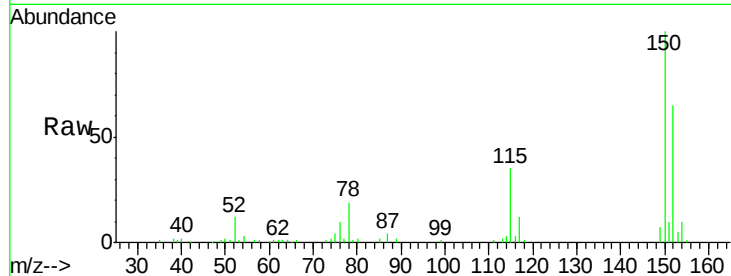


#1

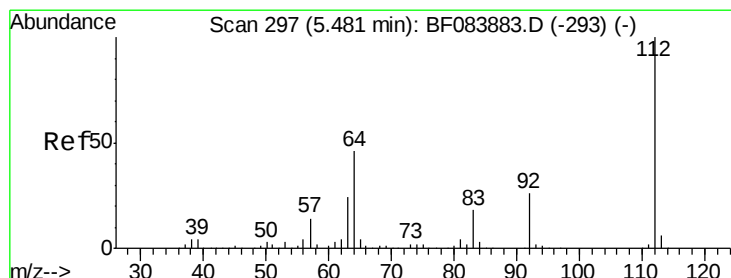
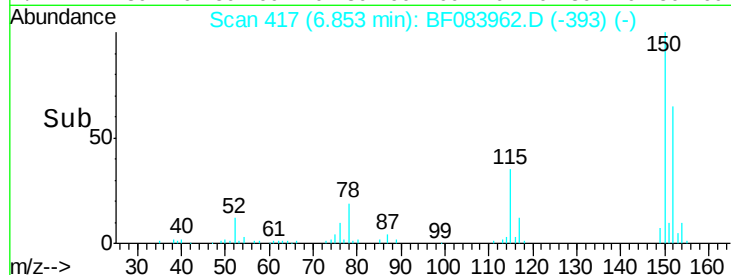
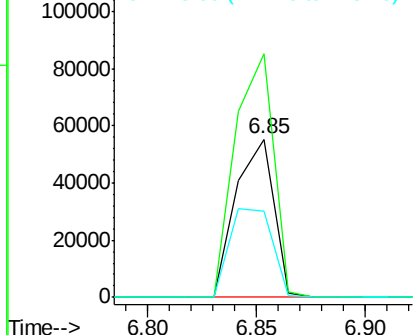
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion:152 Resp: 66830
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.4
115 54.3 51.4 77.2



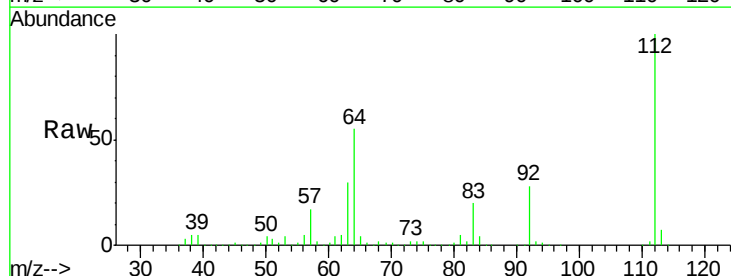
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



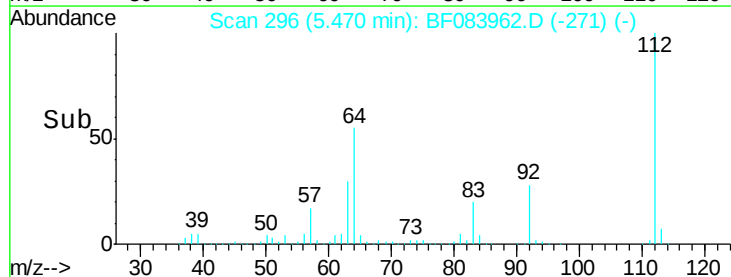
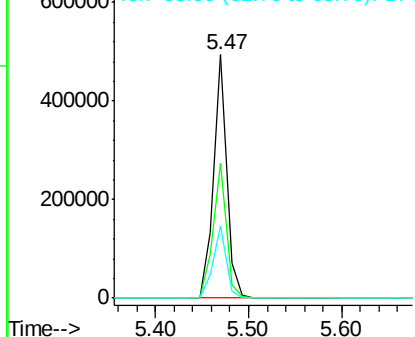
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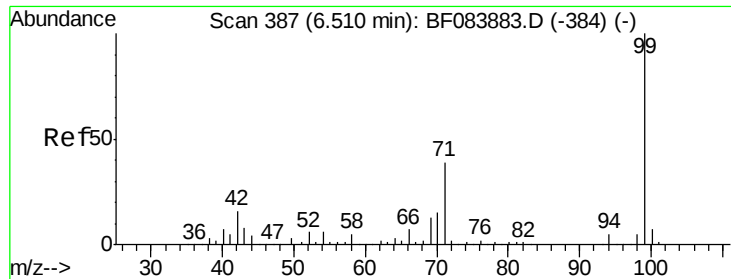
2-Fluorophenol
Concen: 114.13 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Tgt Ion:112 Resp: 487376
Ion Ratio Lower Upper
112 100
64 55.1 36.6 55.0#
63 29.7 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: 104.36 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

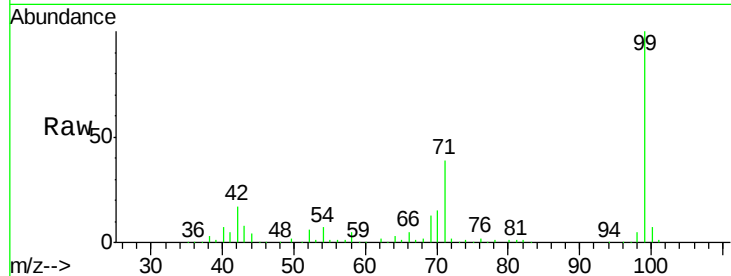
Tgt Ion: 99 Resp: 545476

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

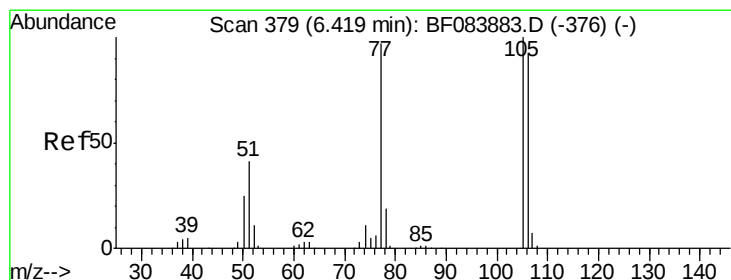
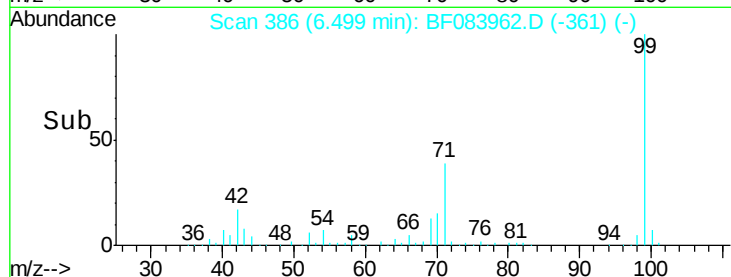
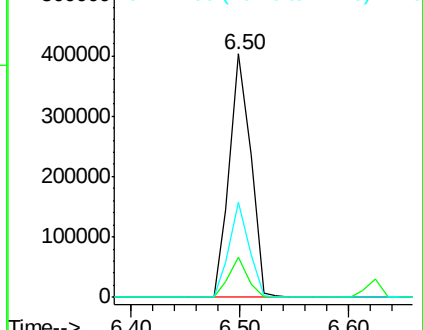
71 39.2 30.9 46.3



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: 3.66 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

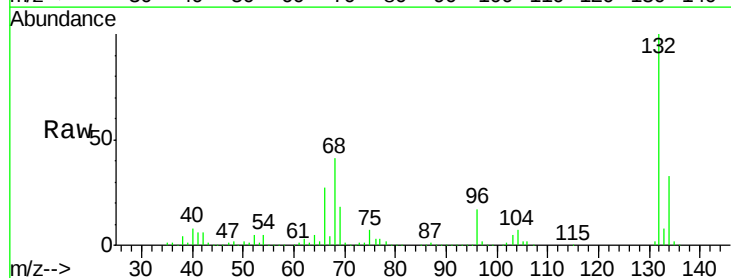
Tgt Ion: 77 Resp: 11534

Ion Ratio Lower Upper

77 100

105 83.0 83.0 123.0

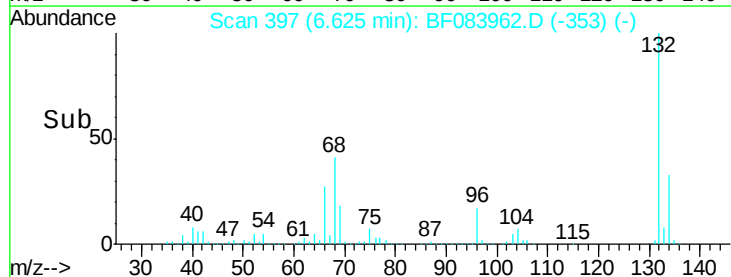
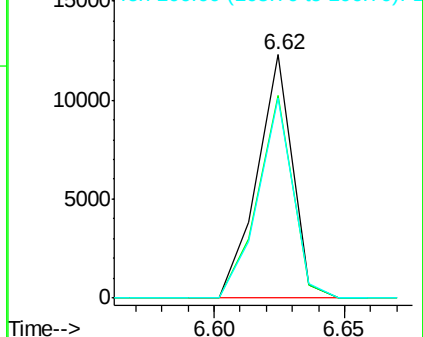
106 81.9 74.6 114.6

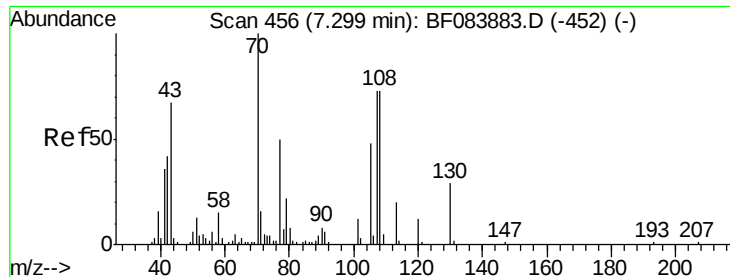


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

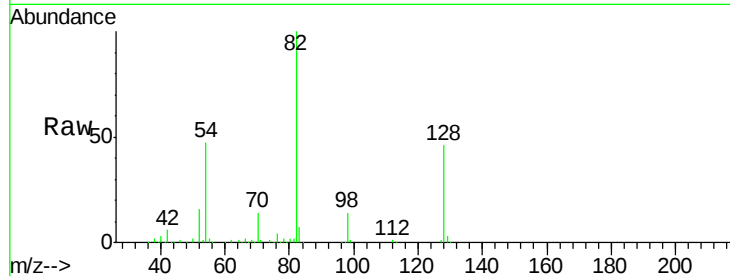




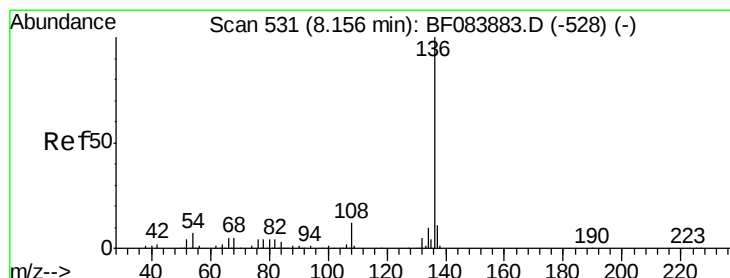
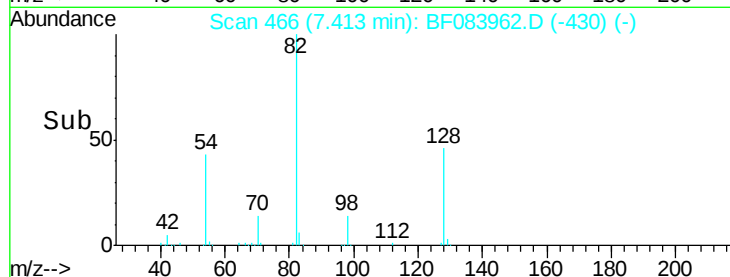
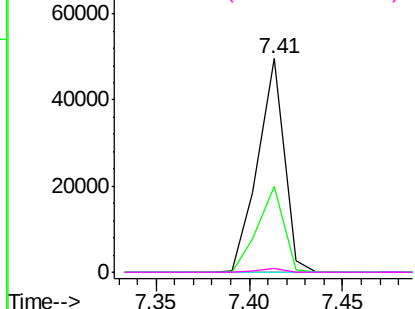
#19
n-Nitroso-di-n-propylamine
Concen: 16.02 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion: 70 Resp: 48828
Ion Ratio Lower Upper
70 100
42 40.2 33.3 49.9
101 0.0 9.3 13.9#
130 2.0 23.4 35.0#



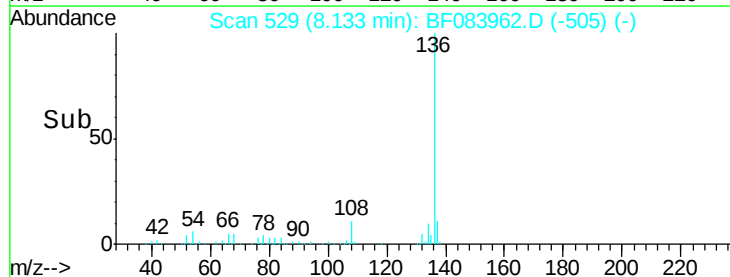
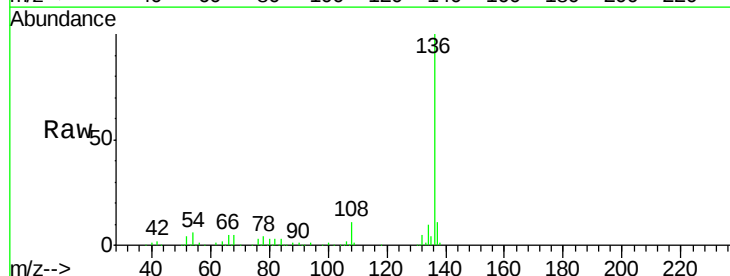
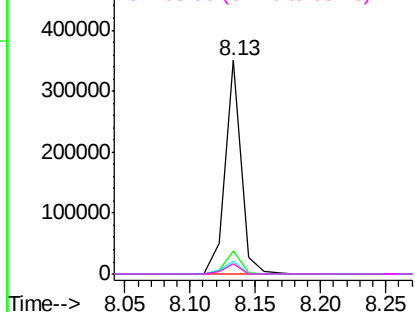
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

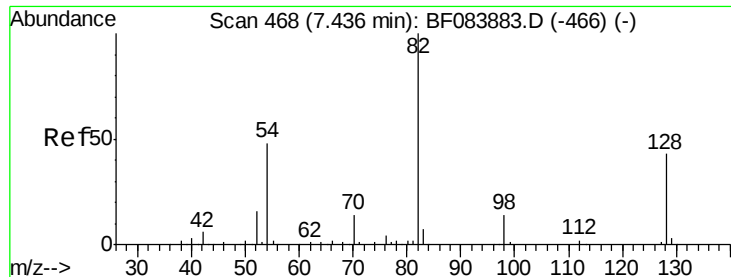


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Tgt Ion: 136 Resp: 297588
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 5.8 5.8 8.8#
68 4.5 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

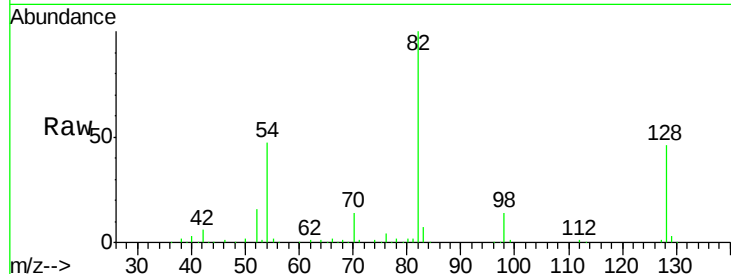




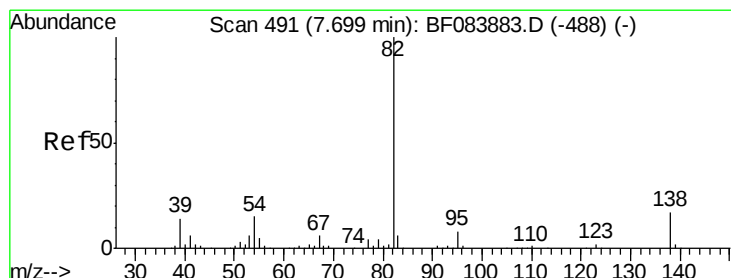
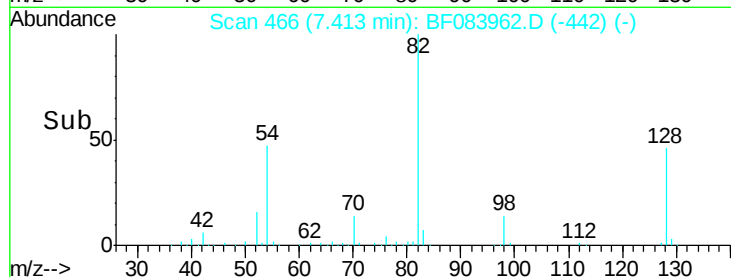
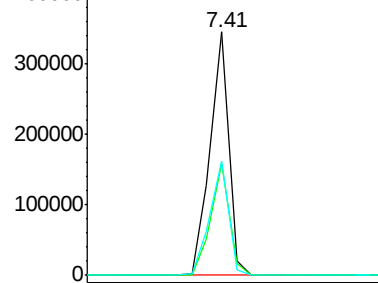
#23
Nitrobenzene-d5
Concen: 65.60 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.02 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion: 82 Resp: 342072
Ion Ratio Lower Upper
82 100
128 46.2 34.6 51.8
54 47.0 38.4 57.6

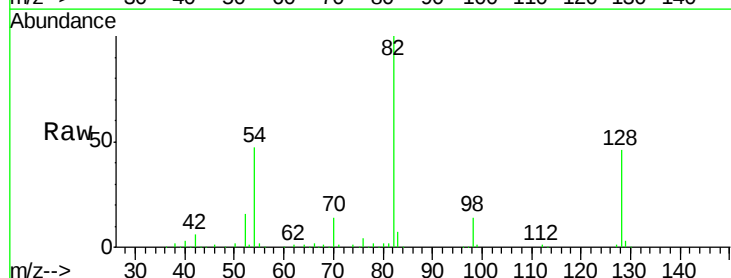


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

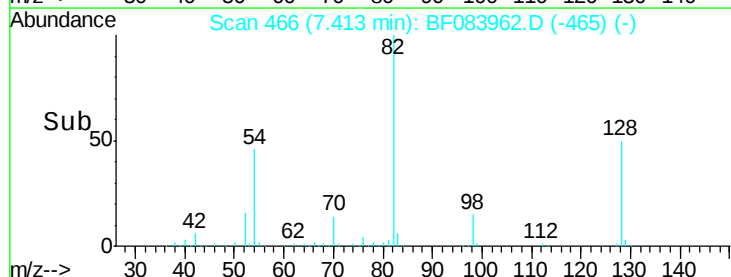
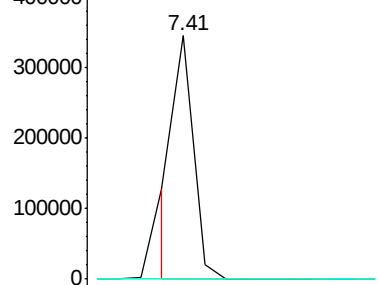


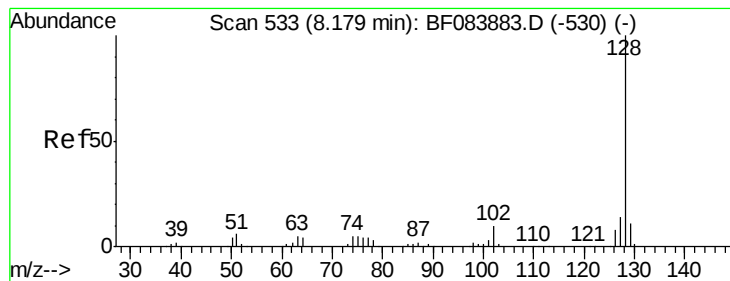
#25
Isophorone
Concen: 25.77 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.29 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Tgt Ion: 82 Resp: 252824
Ion Ratio Lower Upper
82 100
95 0.0 6.6 10.0#
138 0.0 13.6 20.4#



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





#31

Naphthalene

Concen: Below Cal

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

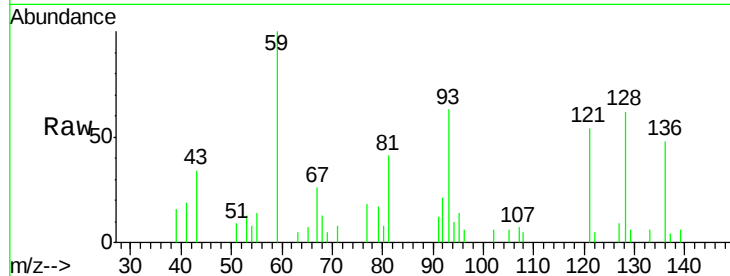
Tgt Ion:128 Resp: 3842

Ion Ratio Lower Upper

128 100

129 10.2 9.1 13.7

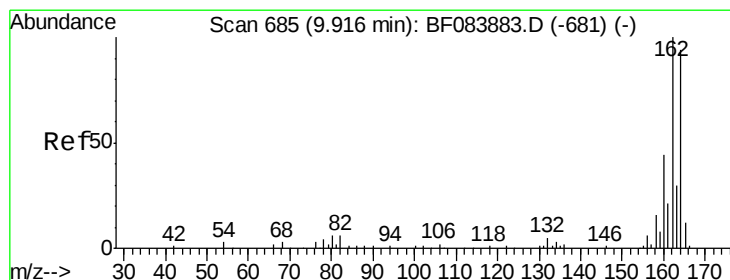
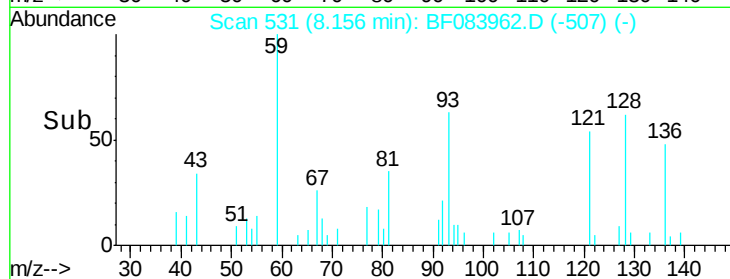
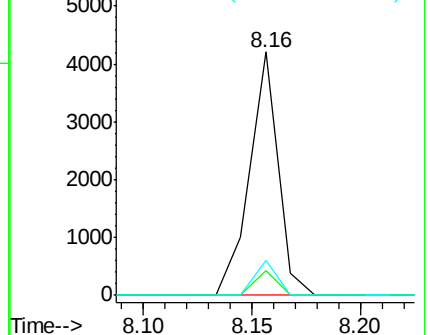
127 14.2 11.1 16.7



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

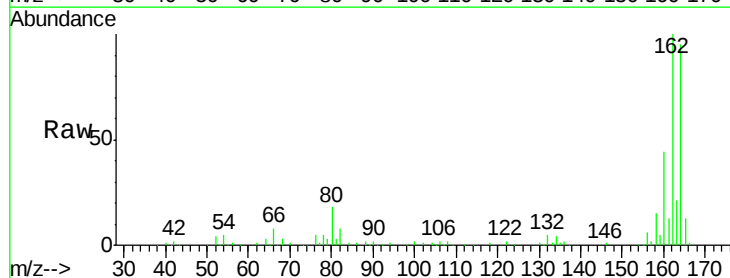
Tgt Ion:164 Resp: 140311

Ion Ratio Lower Upper

164 100

162 105.3 85.1 127.7

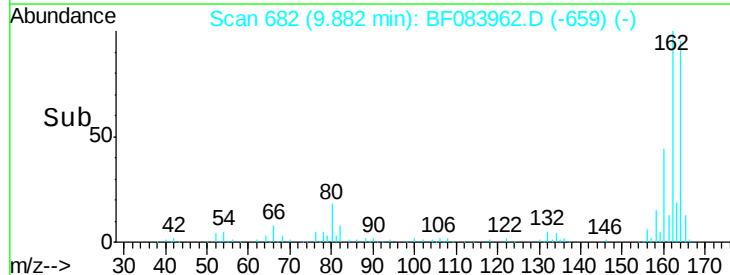
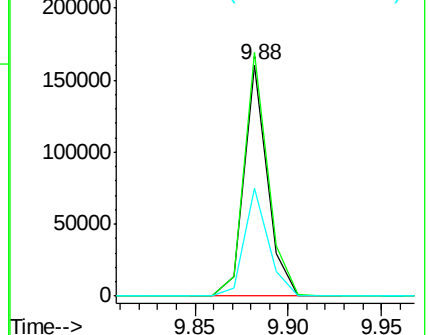
160 46.8 37.5 56.3

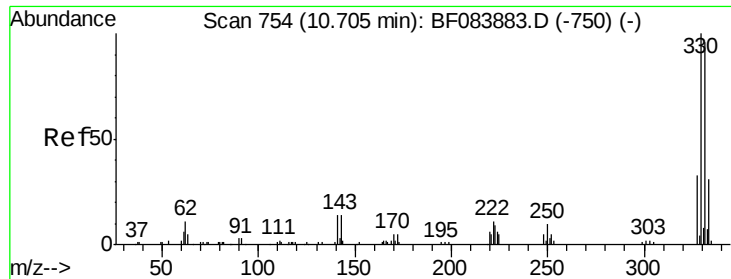


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

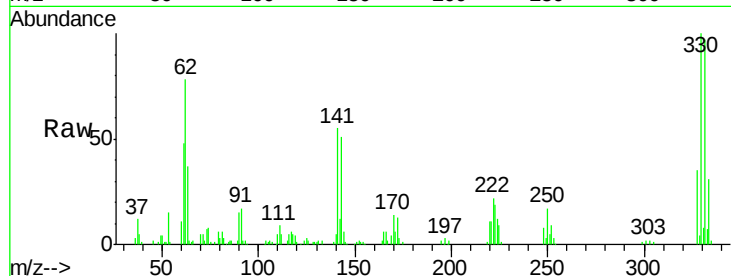




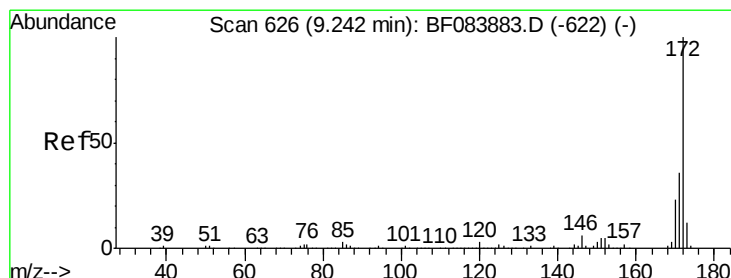
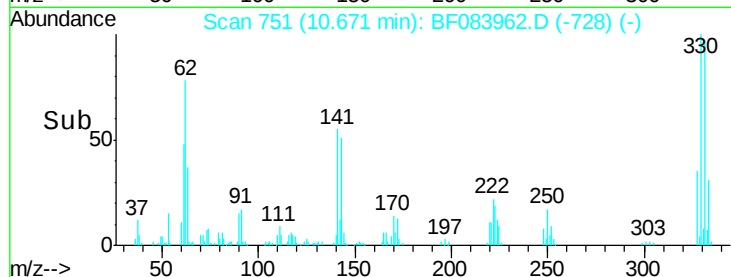
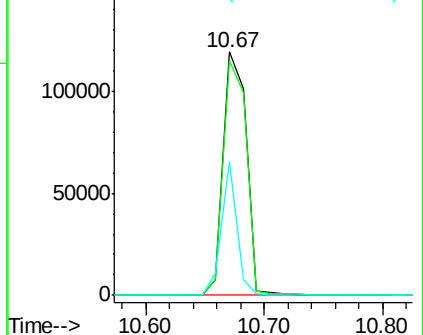
#41
 2,4,6-Tribromophenol
 Concen: 103.30 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF083962.D
 Acq: 19 Dec 2015 18:47

Instrument :
 BNA_F
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 DRUM(78-115)COMPOSITE

Tgt Ion:330 Resp: 159682
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 36.4 27.8 41.6

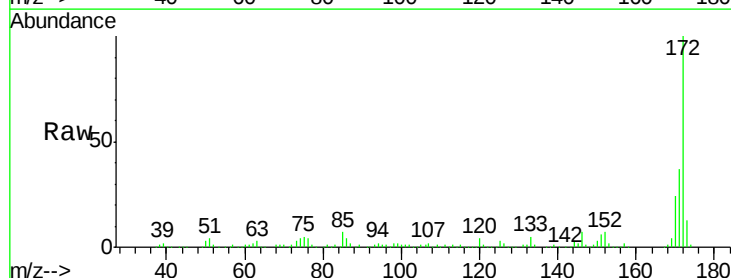


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

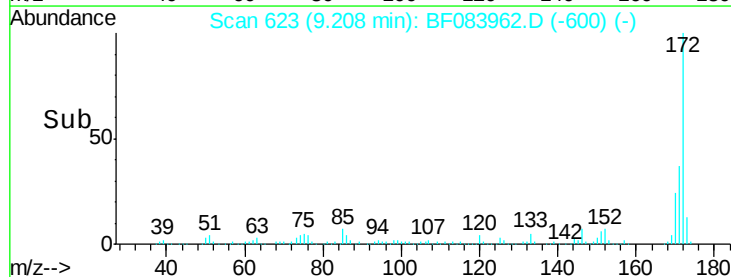
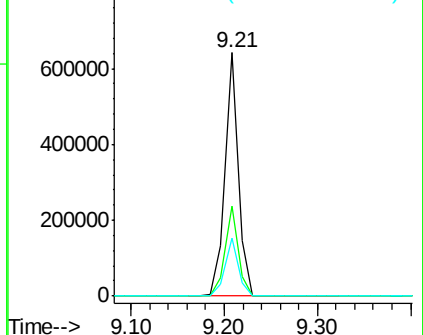


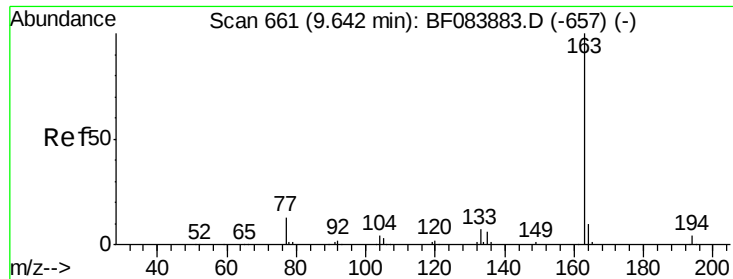
#44
 2-Fluorobiphenyl
 Concen: 61.09 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083962.D
 Acq: 19 Dec 2015 18:47

Tgt Ion:172 Resp: 638270
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 23.8 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

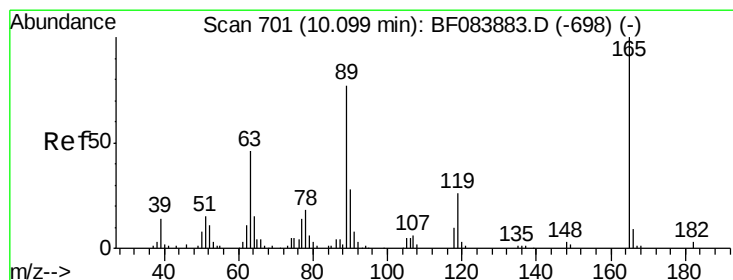
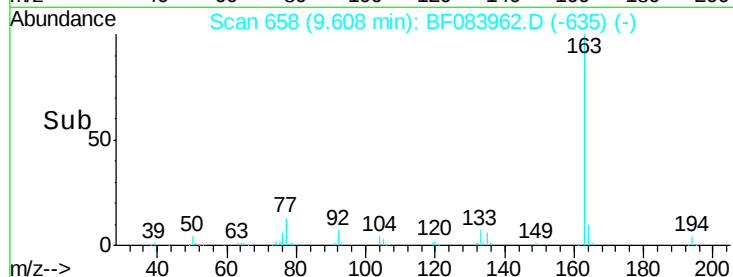
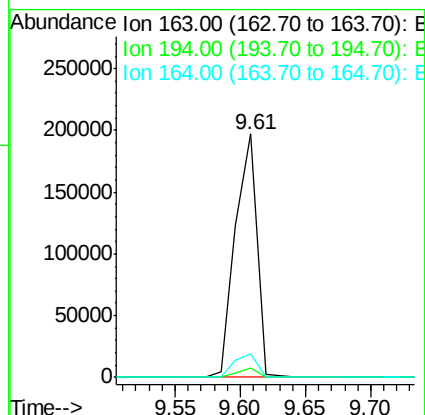
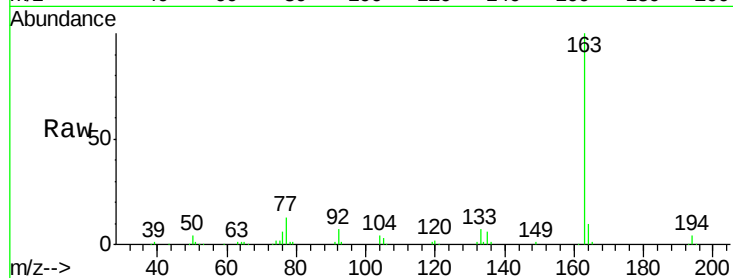




#49
Dimethylphthalate
Concen: 19.17 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

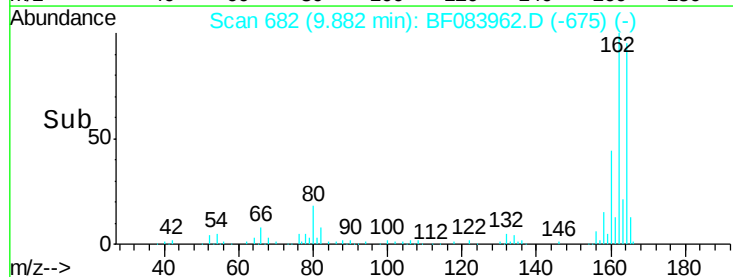
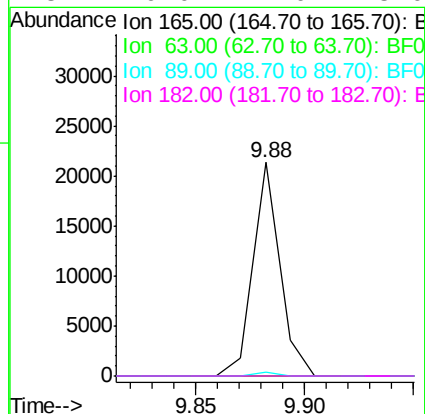
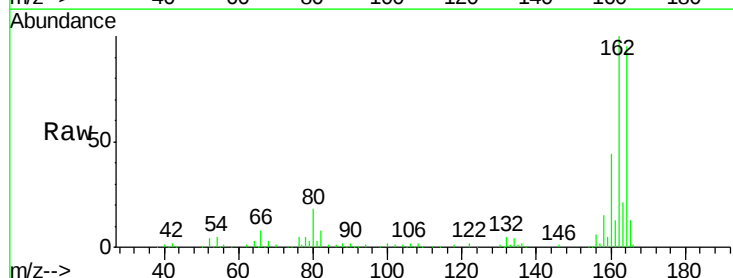
Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

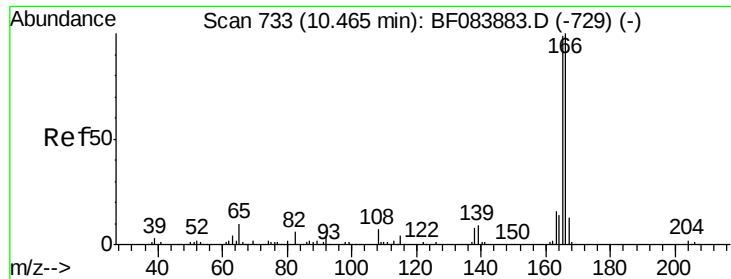
Tgt Ion:163 Resp: 225734
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 9.5 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 5.57 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Tgt Ion:165 Resp: 18321
Ion Ratio Lower Upper
165 100
63 0.0 36.7 55.1#
89 1.8 61.9 92.9#
182 0.0 2.0 3.0#

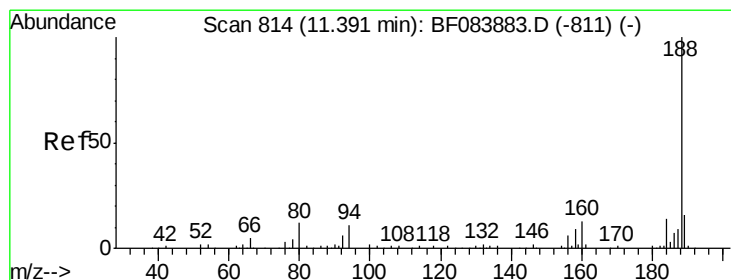
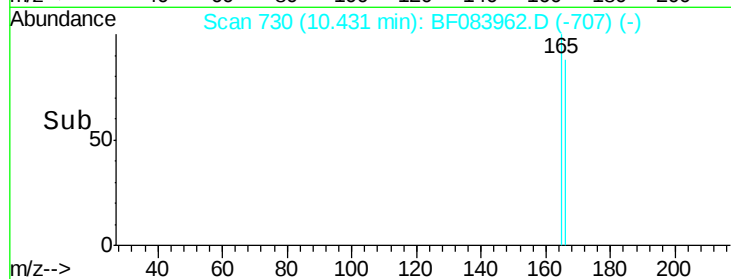
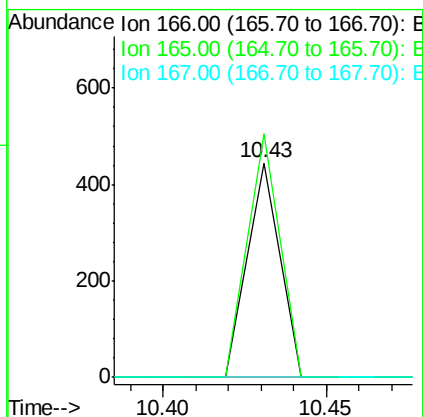
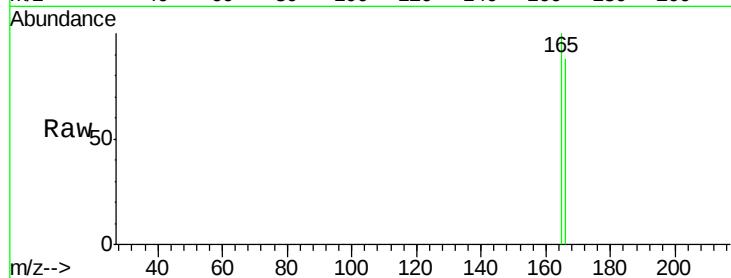




#57
 Fluorene
 Concen: Below Cal
 RT: 10.43 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: BF083962.D
 Acq: 19 Dec 2015 18:47

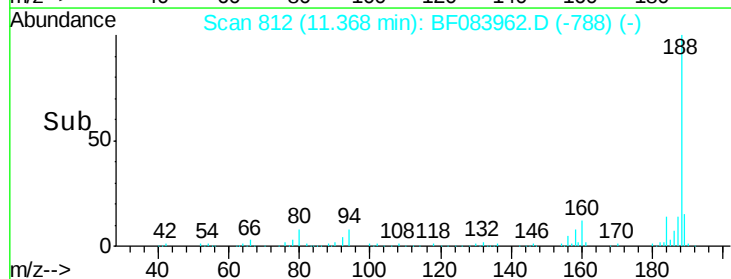
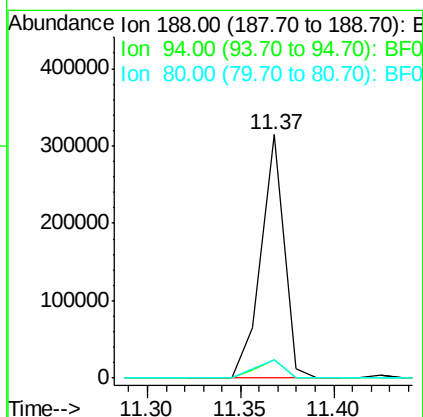
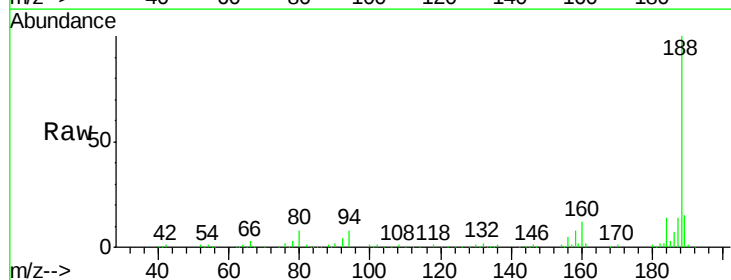
Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

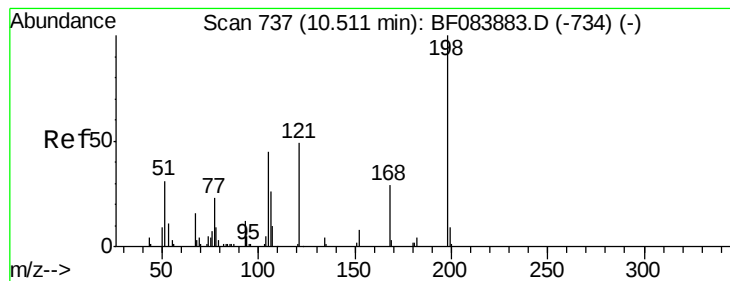
Tgt Ion:166 Resp: 305
 Ion Ratio Lower Upper
 166 100
 165 113.5 79.1 118.7
 167 0.0 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF083962.D
 Acq: 19 Dec 2015 18:47

Tgt Ion:188 Resp: 270296
 Ion Ratio Lower Upper
 188 100
 94 7.7 9.0 13.4#
 80 7.6 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.10 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.16 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

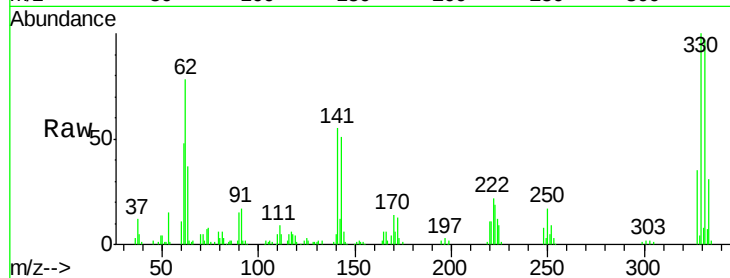
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 163.5 18.9 58.9#

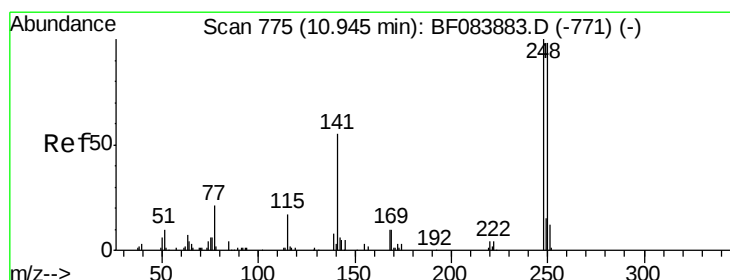
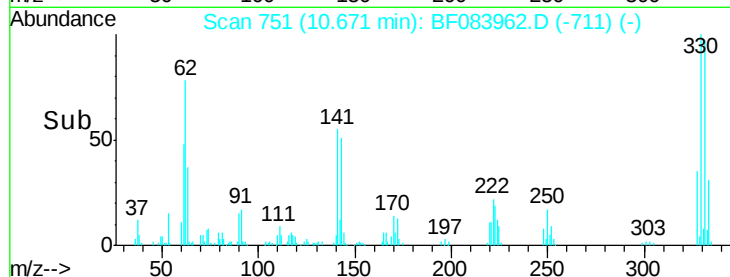
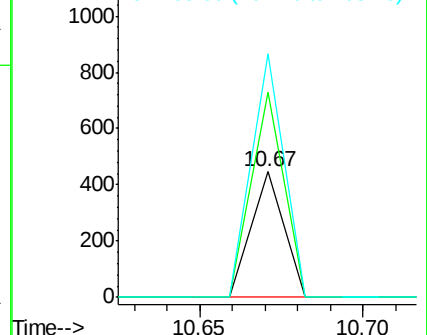
105 194.2 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.09 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083962.D

Acq: 19 Dec 2015 18:47

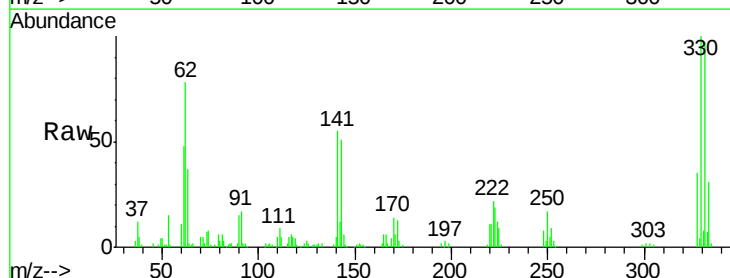
Tgt Ion:248 Resp: 10214

Ion Ratio Lower Upper

248 100

250 204.0 78.4 117.6#

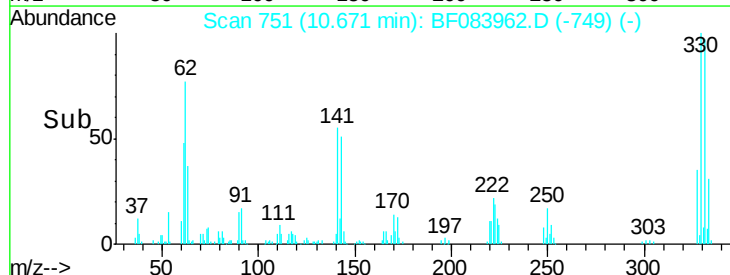
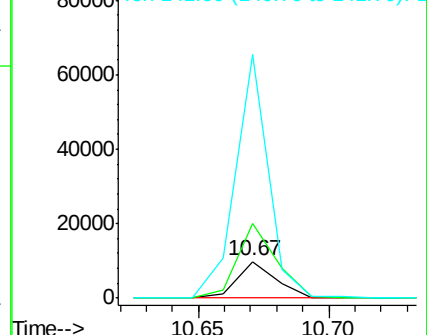
141 665.8 44.0 66.0#

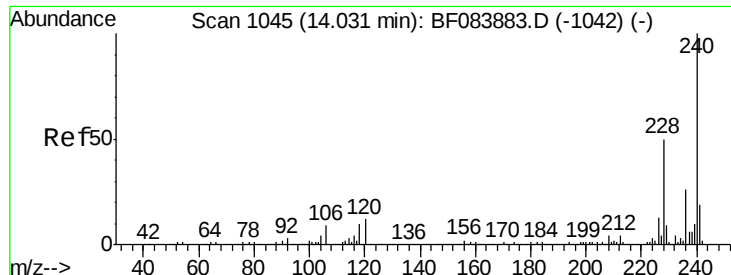


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

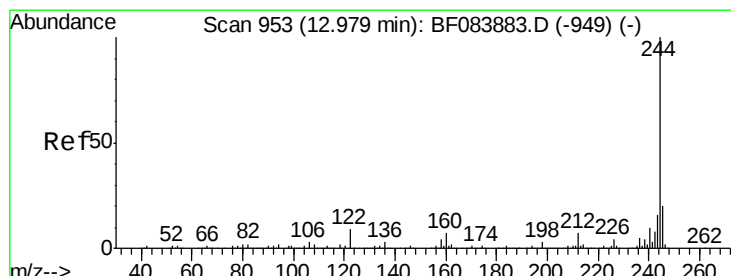
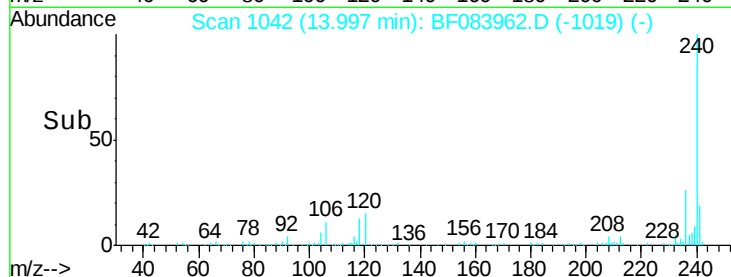
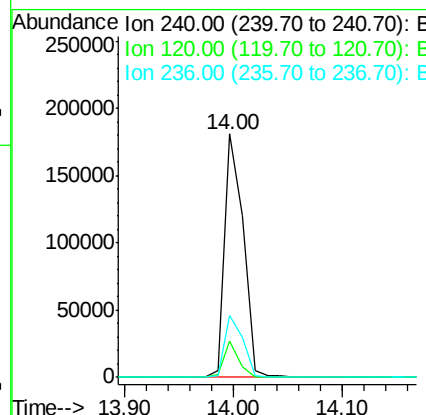
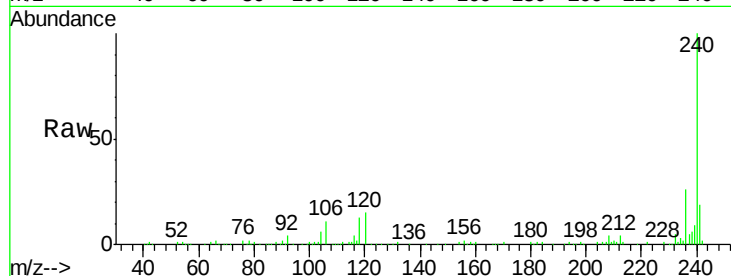




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

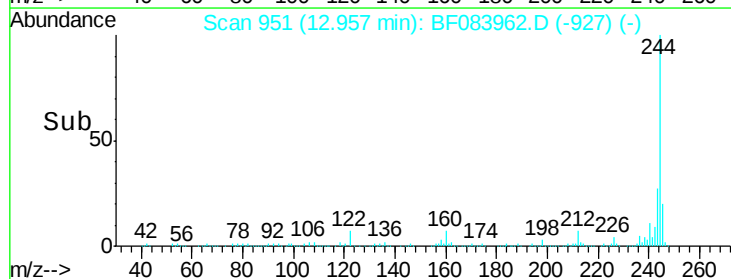
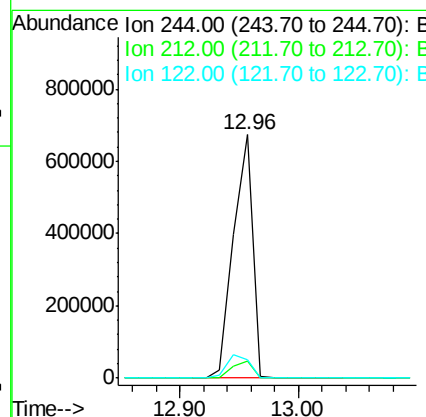
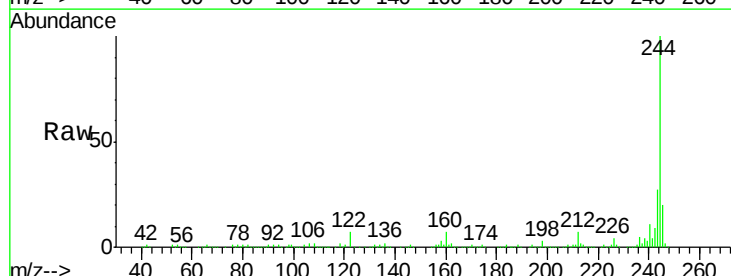
Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

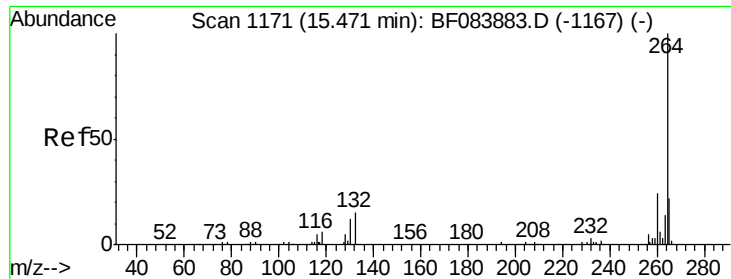
Tgt Ion:240 Resp: 215383
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 25.6 20.6 31.0



#78
Terphenyl-d14
Concen: 81.90 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.02 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Tgt Ion:244 Resp: 756571
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 7.5 7.4 11.0

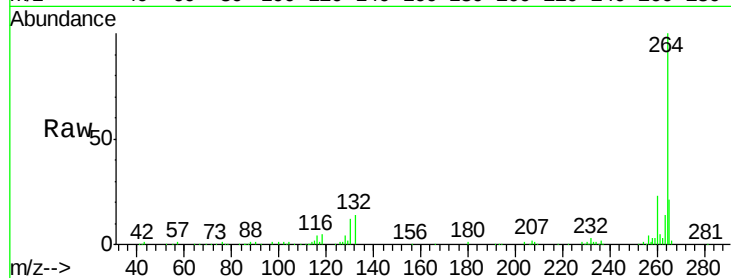




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF083962.D
Acq: 19 Dec 2015 18:47

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion: 264 Resp: 163025
Ion Ratio Lower Upper
264 100
260 23.1 19.4 29.2
265 20.9 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

