

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\
 Data File : BF082853.D
 Acq On : 10 Nov 2015 4:44
 Operator : UM/IZ
 Sample : G4286-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-4C

Quant Time: Nov 10 05:40:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

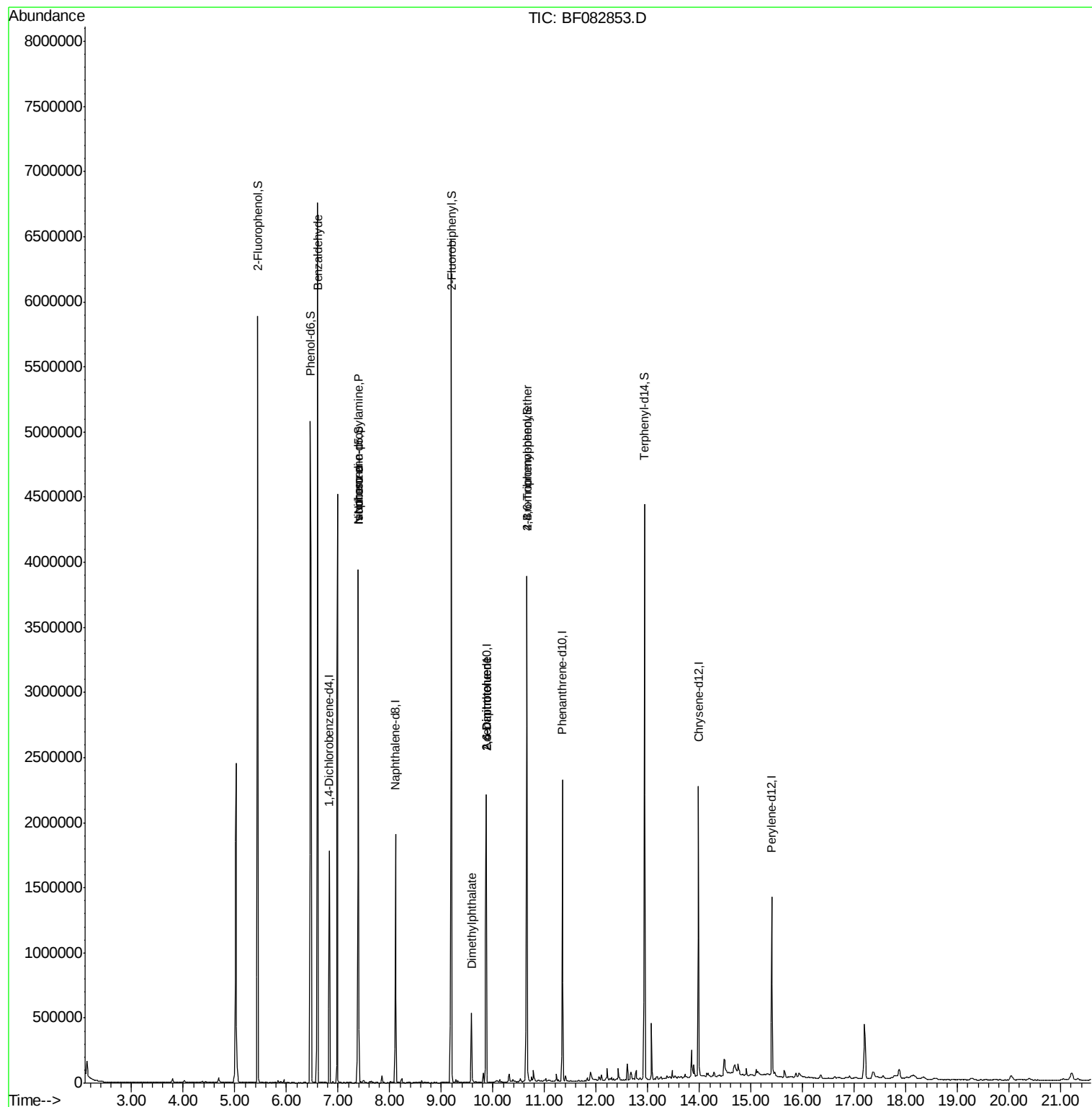
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	267518	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	914202	20.00	ng	-0.03
38) Acenaphthene-d10	9.87	164	514328	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	888386	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	859099	20.00	ng	-0.03
86) Perylene-d12	15.40	264	660697	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2039516	118.62	ng	0.00
7) Phenol-d6	6.46	99	2689943	117.68	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1486181	70.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	585861	99.34	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	2149404	59.90	ng	-0.02
78) Terphenyl-d14	12.93	244	1634709	45.13	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	52414	4.15	ng	85
19) n-Nitroso-di-n-propylamine	7.39	70	204339	12.16	ng	# 70
25) Isophorone	7.39	82	1444691	37.16	ng	# 70
49) Dimethylphthalate	9.58	163	199012	4.72	ng	98
50) 2,6-Dinitrotoluene	9.87	165	67171	7.47	ng	# 17
56) 2,4-Dinitrotoluene	9.87	165	67159	5.51	ng	# 16
66) 4-Bromophenyl-phenylether	10.66	248	42792	4.00	ng	# 1

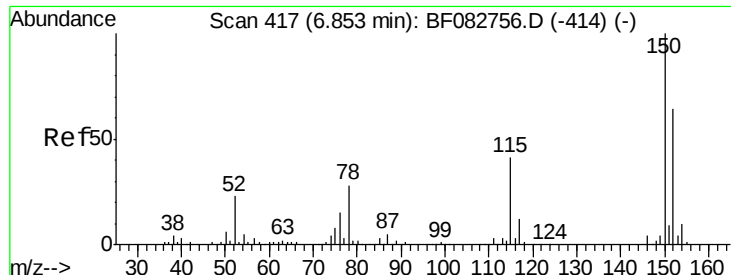
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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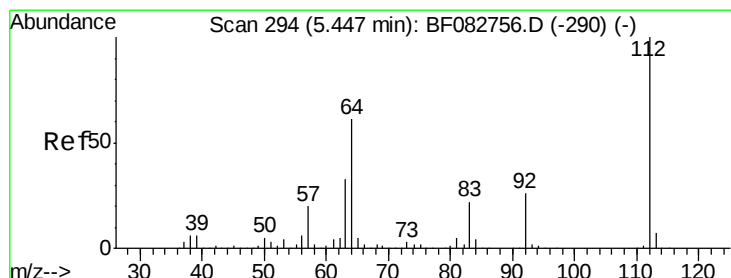
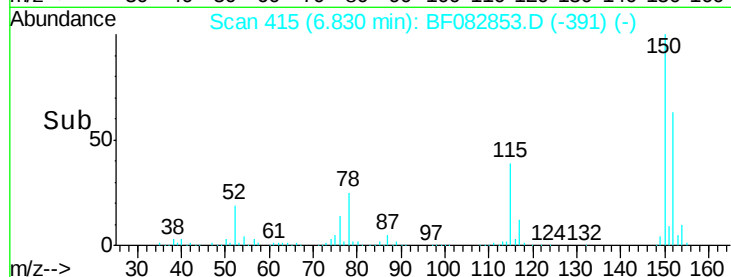
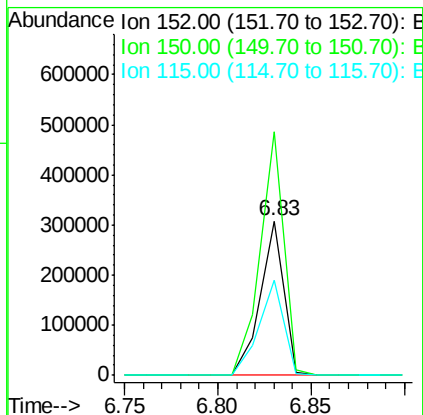
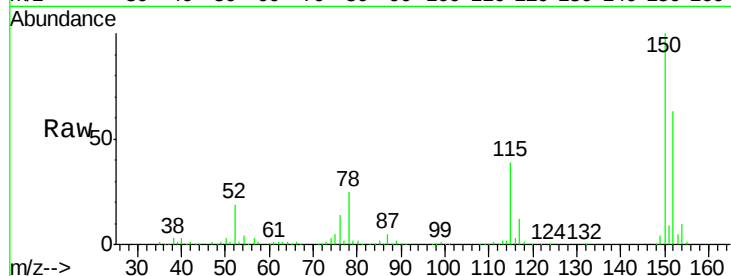


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

Instrument :
BNA_F
ClientSampleId :
T-4C

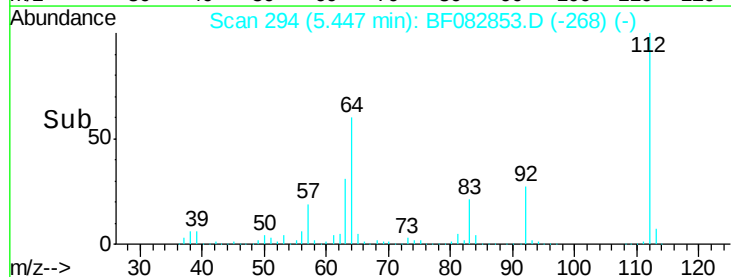
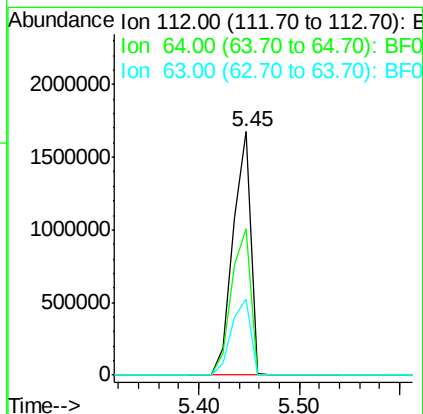
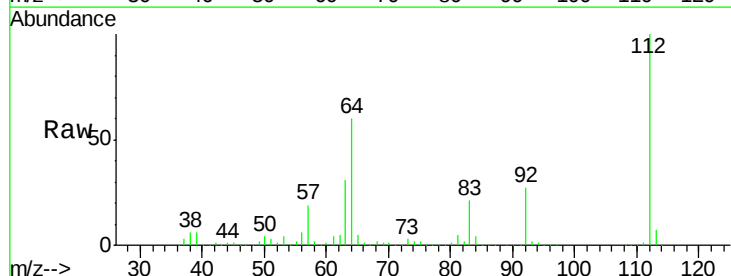
Tot Ion:152 Resp: 267518
Ion Ratio Lower Upper
152 100
150 157.6 127.0 190.4
115 61.6 47.0 70.6

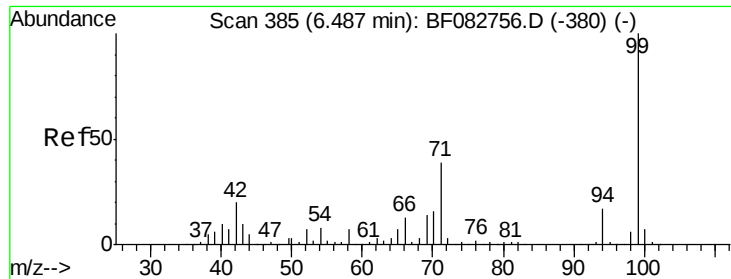


#5

2-Fluorophenol
Concen: 118.62 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.00 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

Tgt Ion:112 Resp: 2039516
Ion Ratio Lower Upper
112 100
64 59.9 48.9 73.3
63 31.4 28.1 42.1





#7

Phenol-d6

Concen: 117.68 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

Instrument :

BNA_F

ClientSampleId :

T-4C

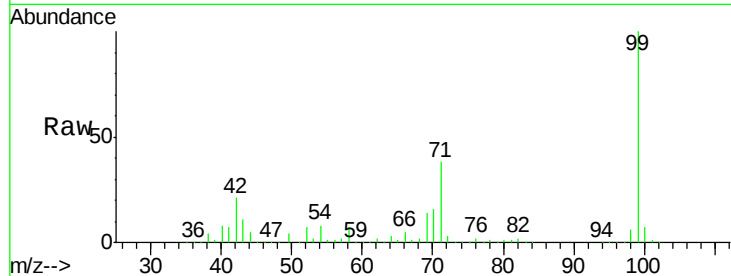
Tot Ion: 99 Resp: 2689943

Ion Ratio Lower Upper

99 100

42 20.7 19.2 28.8

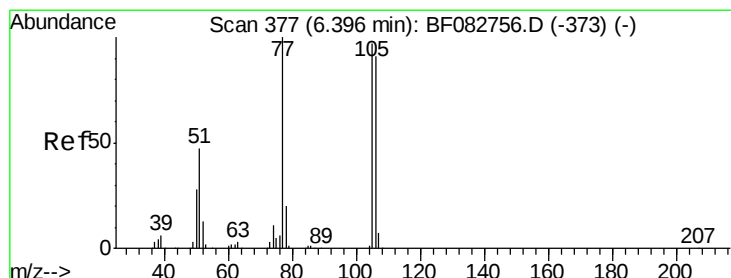
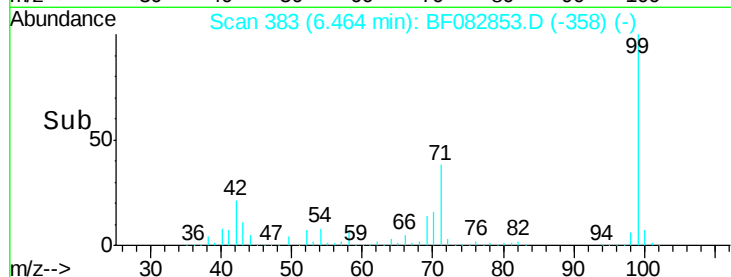
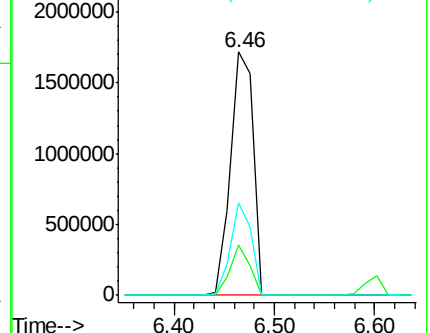
71 37.8 35.0 52.4



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: 4.15 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.21 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

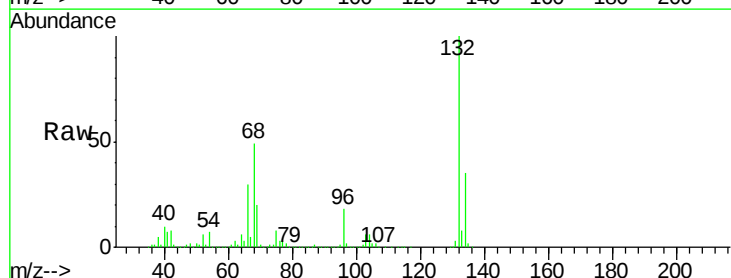
Tgt Ion: 77 Resp: 52414

Ion Ratio Lower Upper

77 100

105 73.3 63.5 103.5

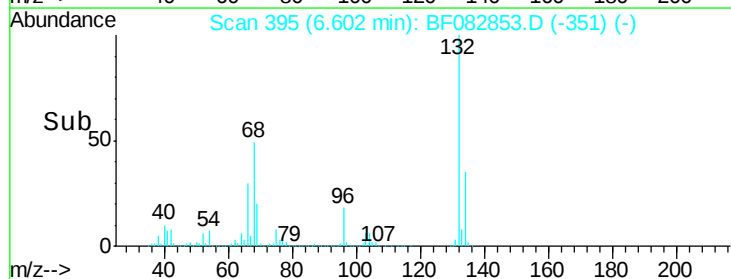
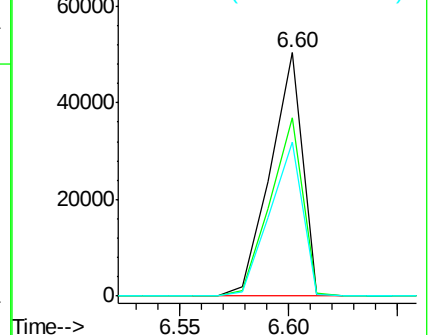
106 63.0 59.3 99.3

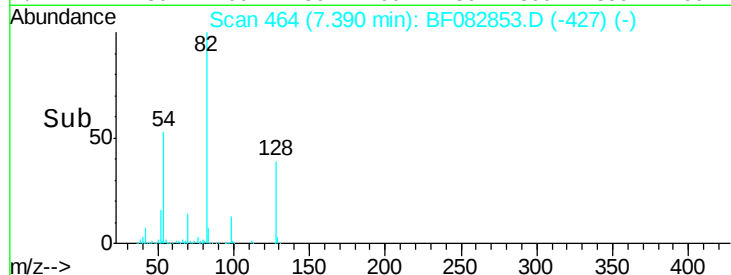
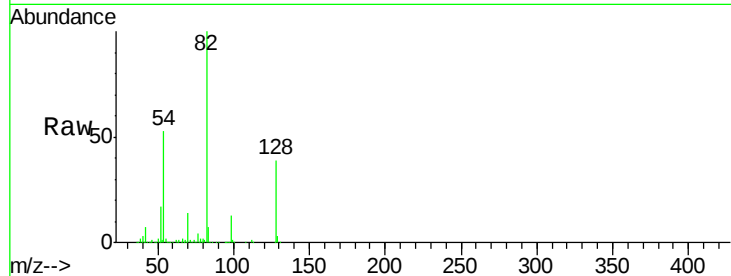
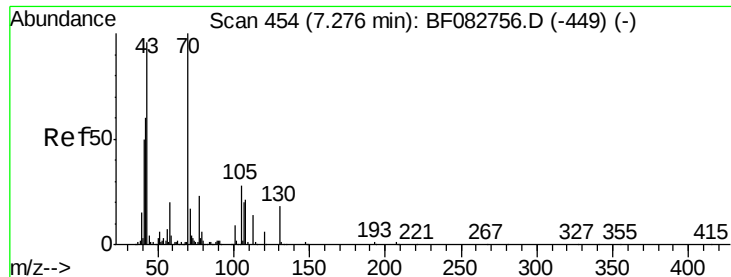


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

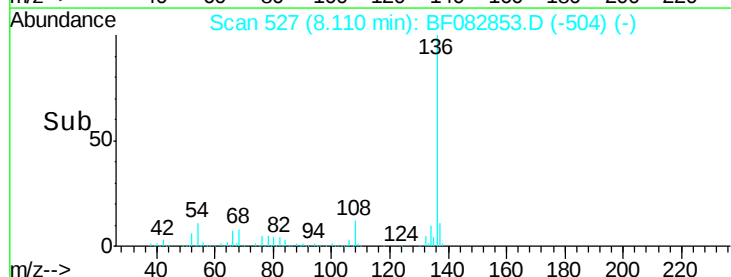
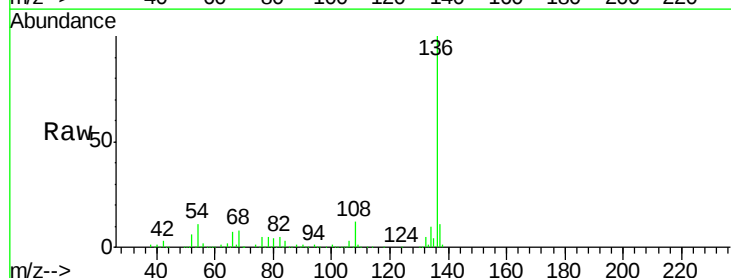
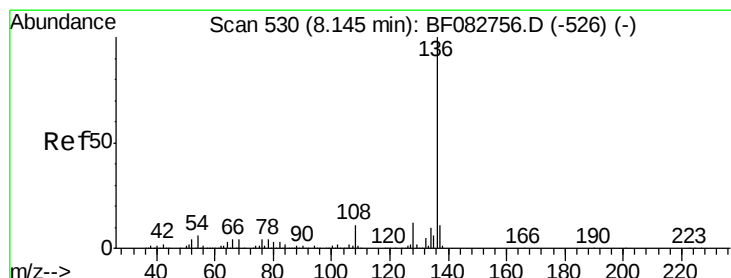
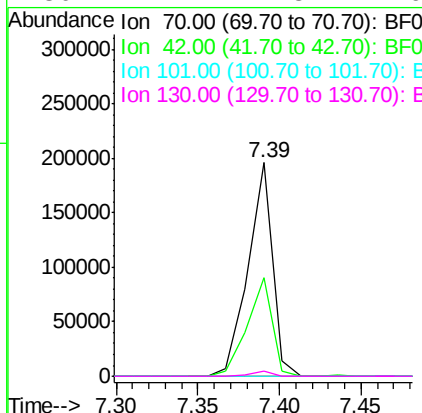




#19
n-Nitroso-di-n-propylamine
Concen: 12.16 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.13 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

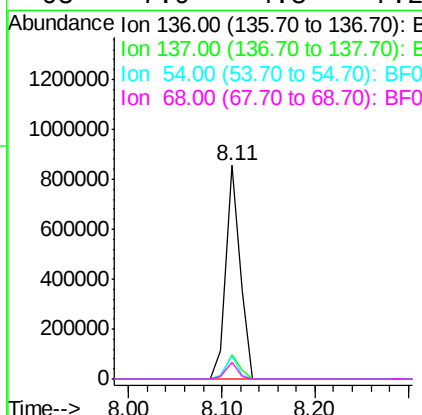
Instrument :
BNA_F
ClientSampleId :
T-4C

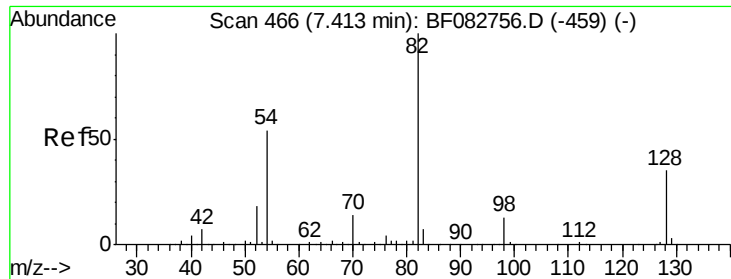
Tot Ion:	70	Resp:	204339
Ion	Ratio	Lower	Upper
70	100		
42	46.2	57.7	86.5#
101	0.0	7.0	10.6#
130	2.2	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

Tgt Ion:	136	Resp:	914202
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.0	9.1	13.7
68	7.9	4.8	7.2#





#23

Nitrobenzene-d5

Concen: 70.74 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.02 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

Instrument :

BNA_F

ClientSampleId :

T-4C

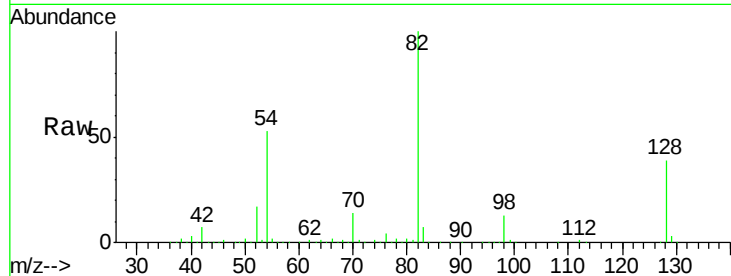
Tot Ion: 82 Resp: 1486181

Ion Ratio Lower Upper

82 100

128 38.9 26.8 40.2

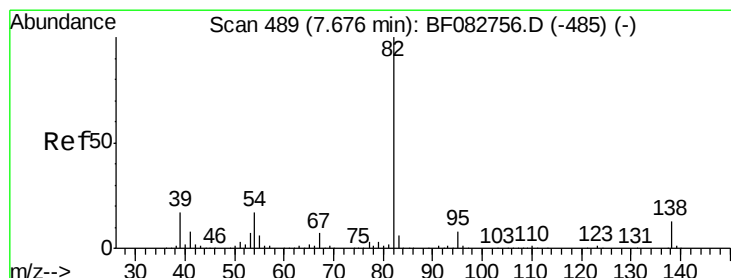
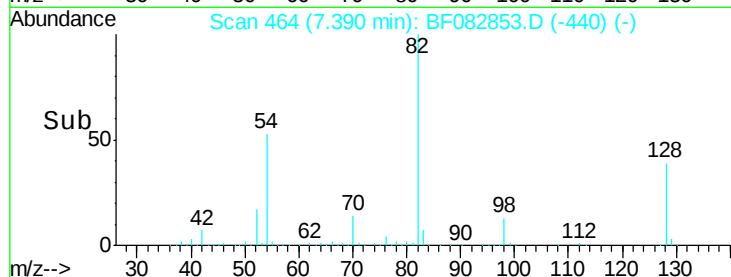
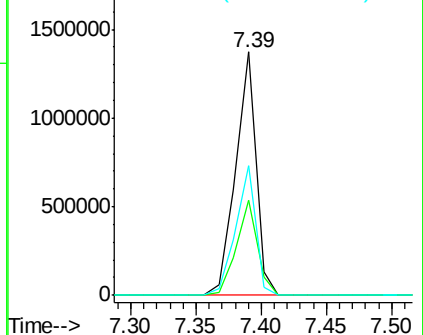
54 53.0 45.7 68.5



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: 37.16 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.29 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

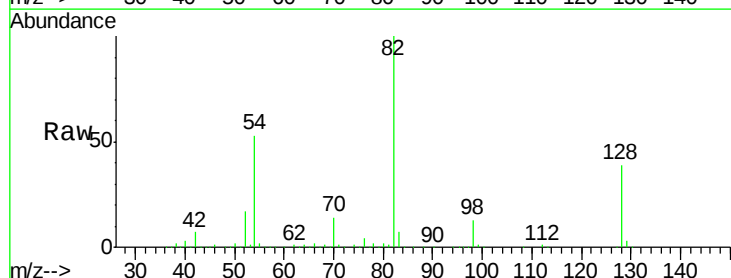
Tgt Ion: 82 Resp: 1444691

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

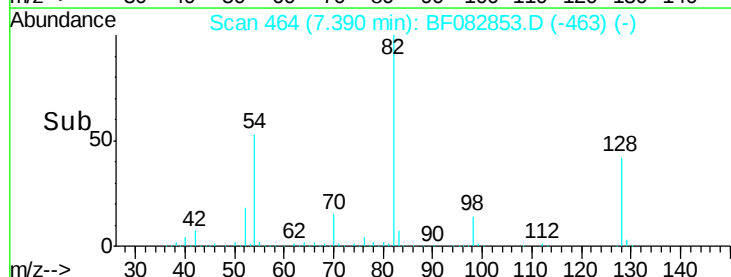
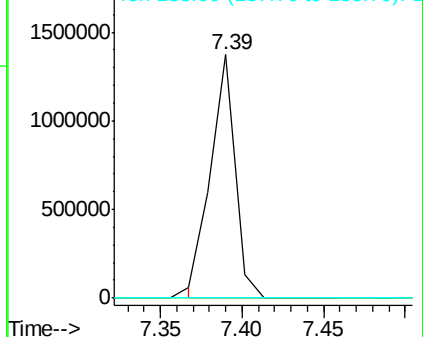
138 0.0 11.4 17.0#

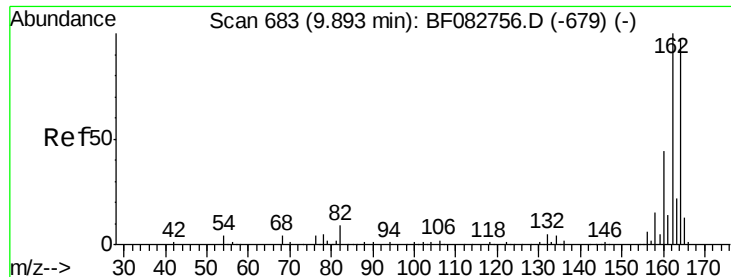


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

Instrument :

BNA_F

ClientSampleId :

T-4C

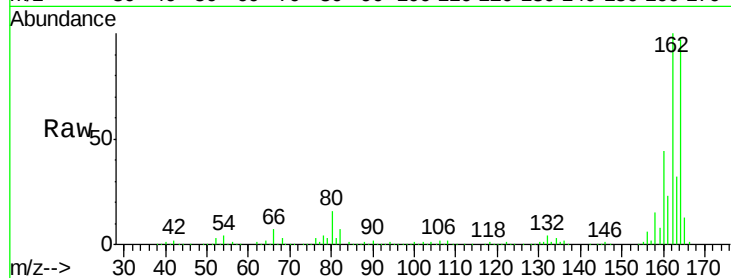
Tot Ion:164 Resp: 514328

Ion Ratio Lower Upper

164 100

162 103.0 84.9 127.3

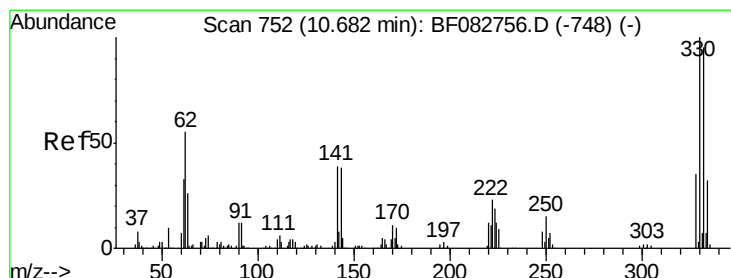
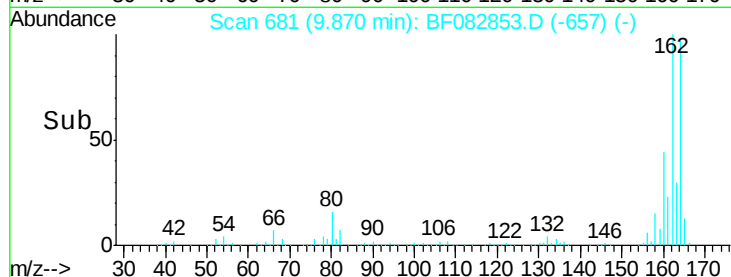
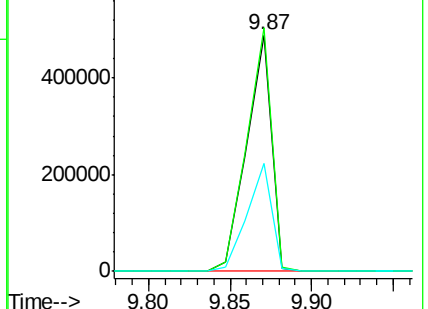
160 45.7 37.5 56.3



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: 99.34 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

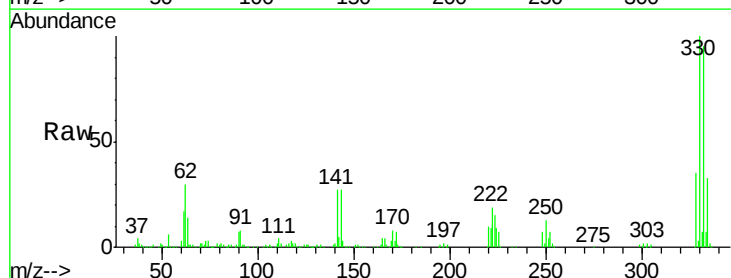
Tgt Ion:330 Resp: 585861

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

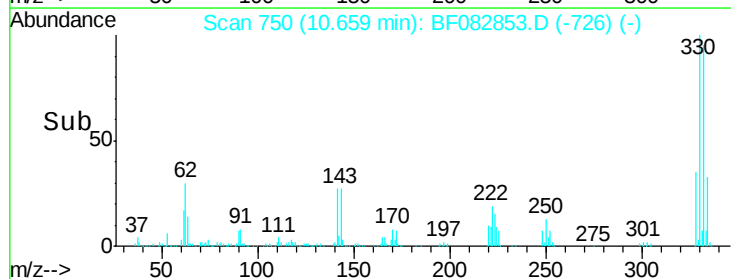
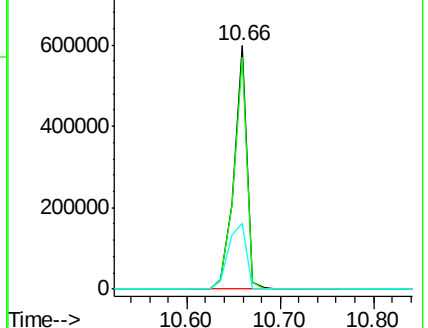
141 37.4 41.2 61.8#

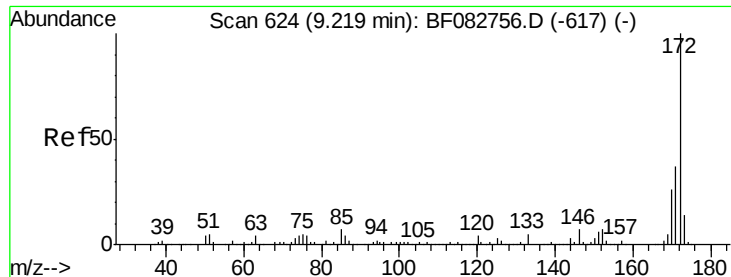


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

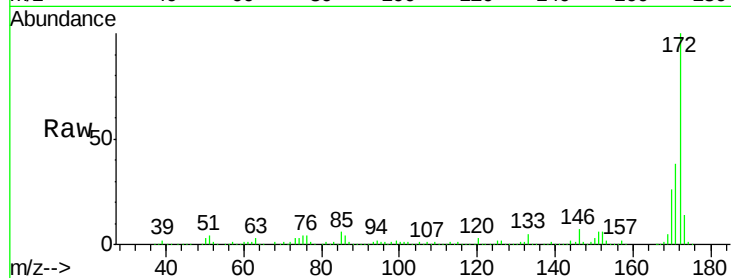




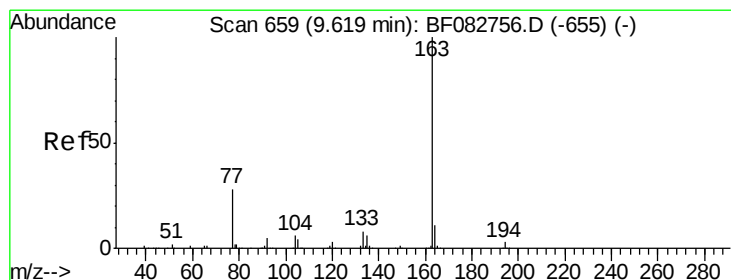
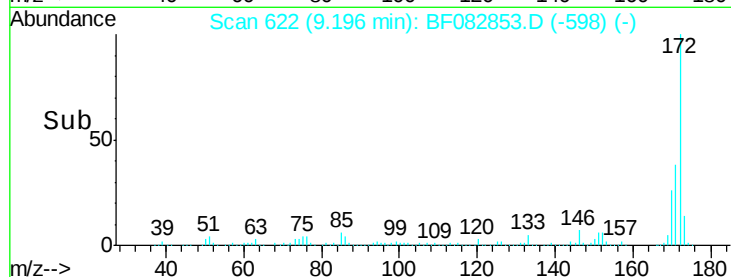
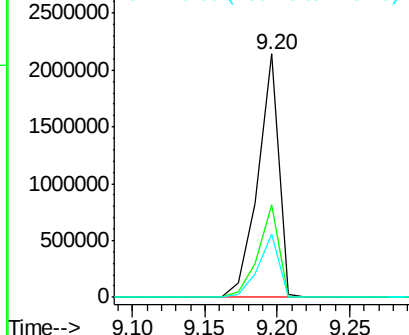
#44
2-Fluorobiphenyl
Concen: 59.90 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

Instrument :
BNA_F
ClientSampleId :
T-4C

Tot Ion:172 Resp: 2149404
Ion Ratio Lower Upper
172 100
171 38.1 30.8 46.2
170 25.9 21.2 31.8

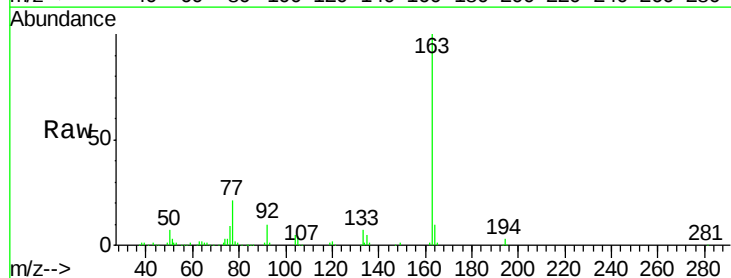


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

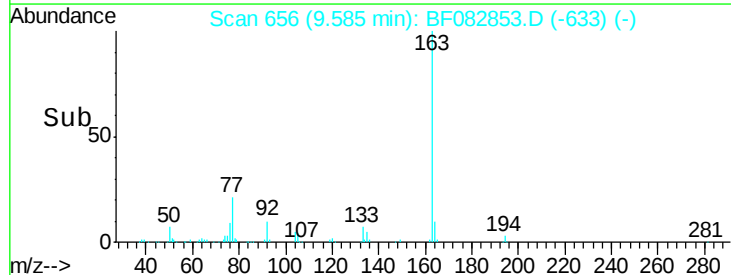
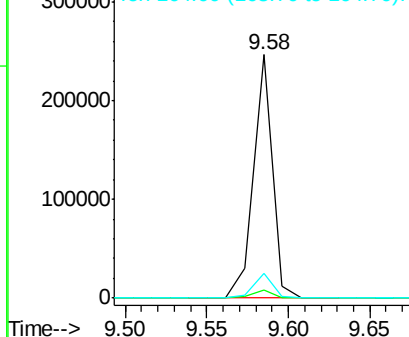


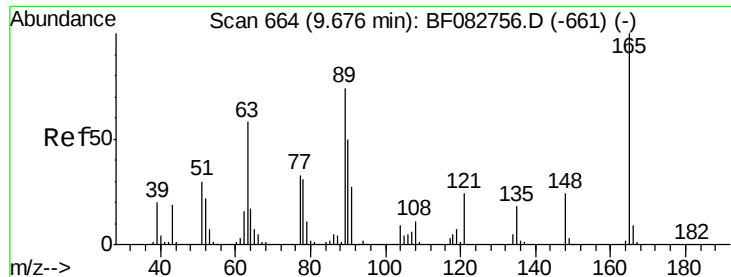
#49
Dimethylphthalate
Concen: 4.72 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF082853.D
Acq: 10 Nov 2015 4:44

Tgt Ion:163 Resp: 199012
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

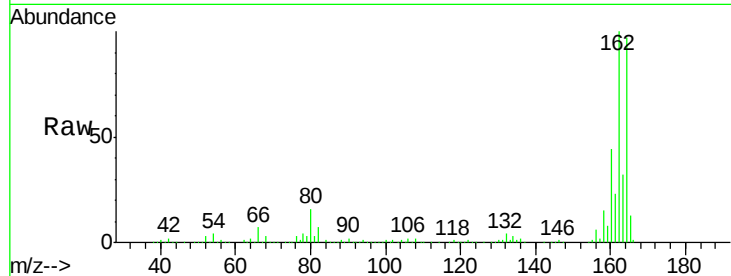




#50
 2,6-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.19 min
 Lab File: BF082853.D
 Acq: 10 Nov 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 T-4C

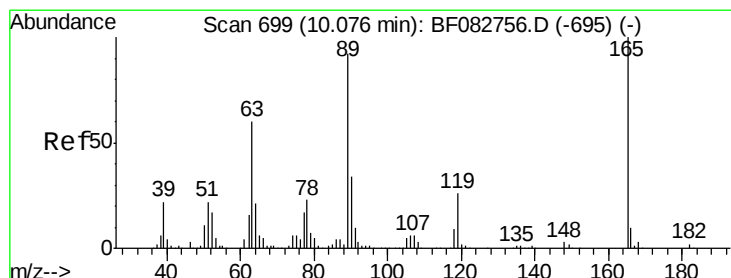
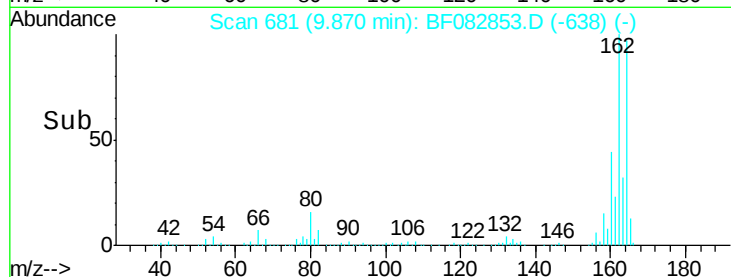
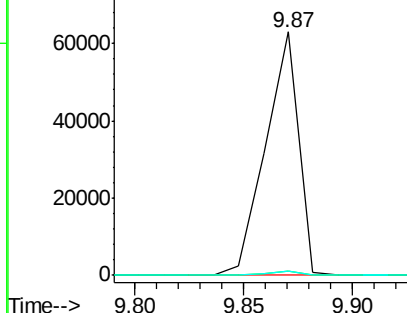
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	55.5	83.3#
89	1.7	55.0	82.6#



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: 5.51 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.21 min
 Lab File: BF082853.D
 Acq: 10 Nov 2015 4:44

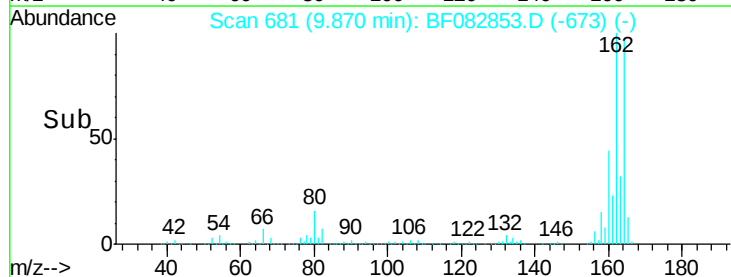
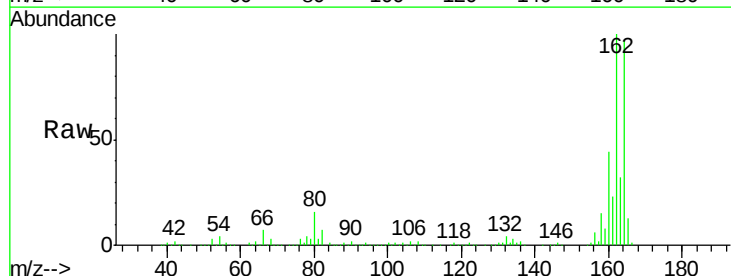
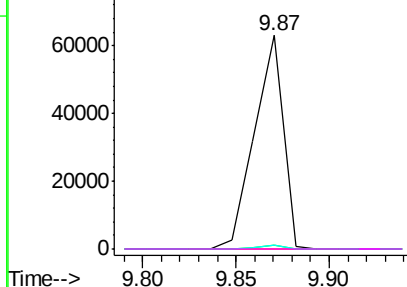
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.0#
89	1.7	70.6	106.0#
182	0.0	1.5	2.3#

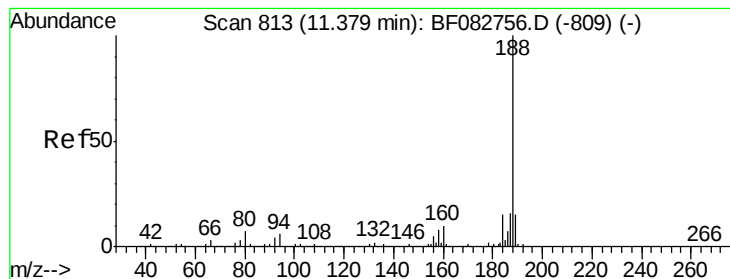
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

Instrument :

BNA_F

ClientSampleId :

T-4C

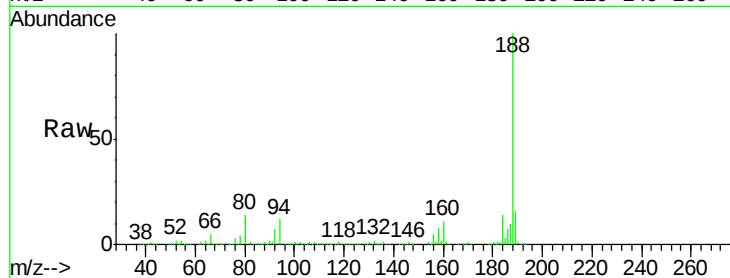
Tot Ion:188 Resp: 888386

Ion Ratio Lower Upper

188 100

94 12.2 6.1 9.1#

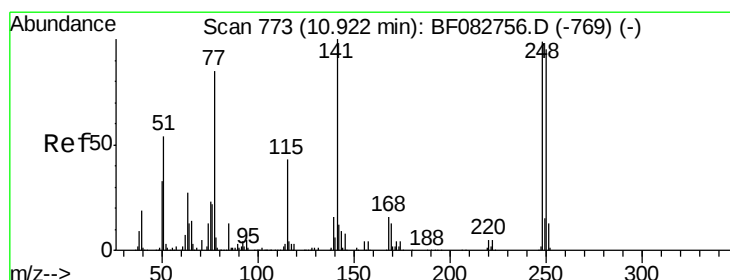
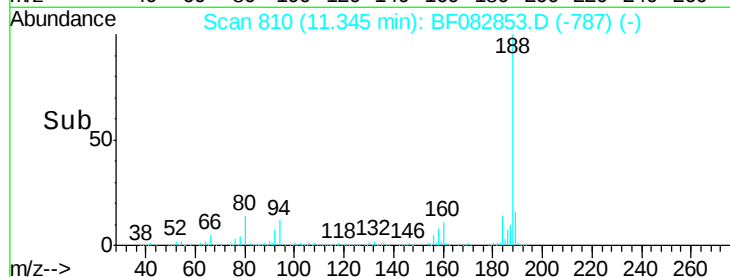
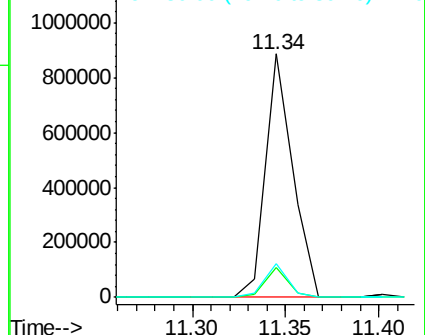
80 13.8 7.0 10.6#



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: 4.00 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

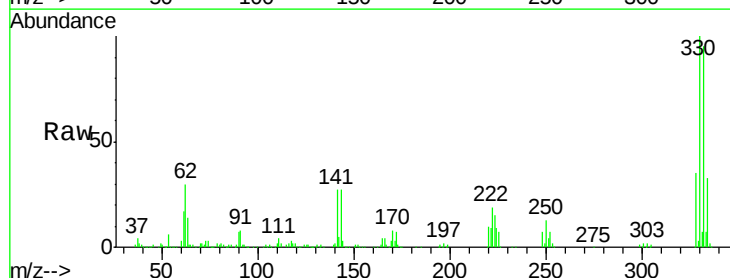
Tgt Ion:248 Resp: 42792

Ion Ratio Lower Upper

248 100

250 193.3 79.4 119.2#

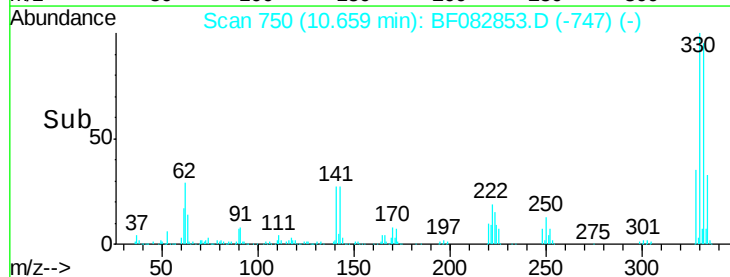
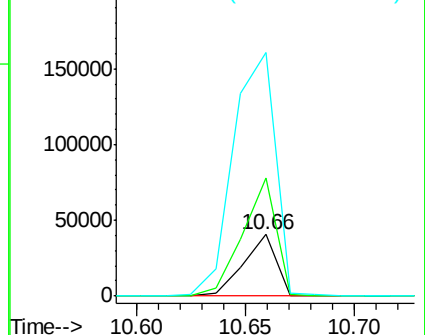
141 397.5 36.3 54.5#

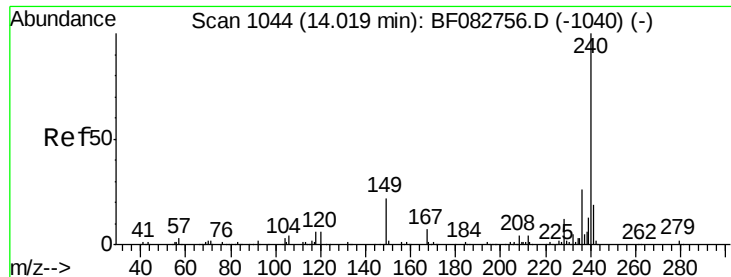


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

Instrument :

BNA_F

ClientSampleID :

T-4C

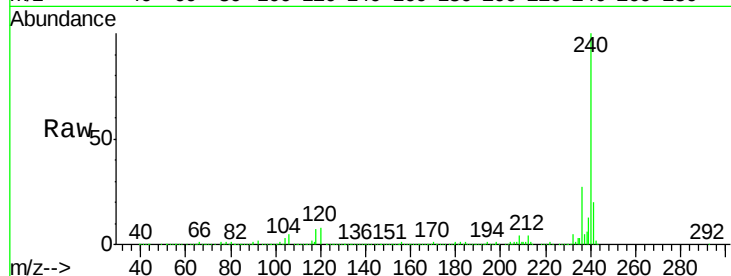
Tot Ion:240 Resp: 859099

Ion Ratio Lower Upper

240 100

120 7.8 10.9 16.3#

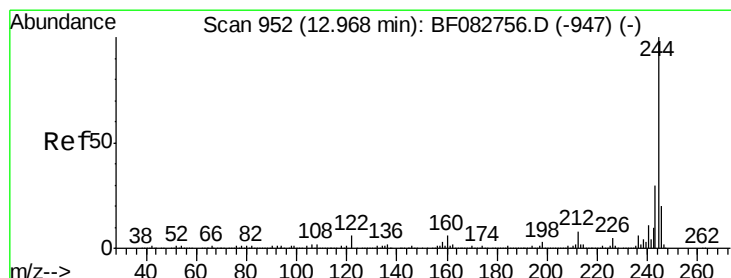
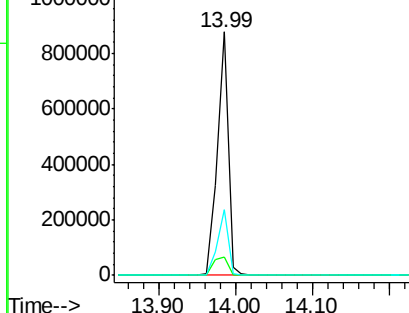
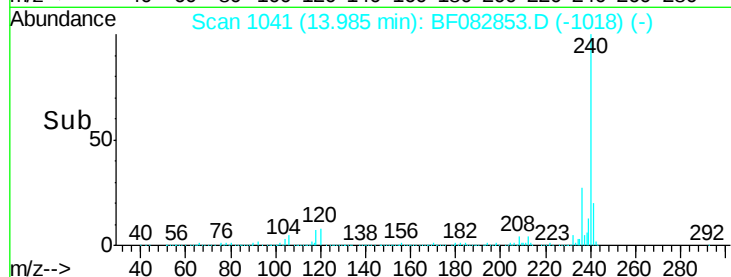
236 26.9 21.6 32.4



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: 45.13 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF082853.D

Acq: 10 Nov 2015 4:44

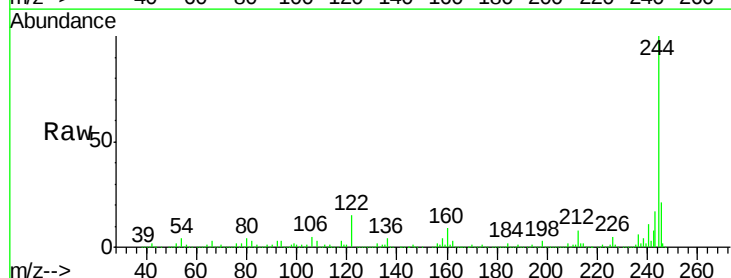
Tgt Ion:244 Resp: 1634709

Ion Ratio Lower Upper

244 100

212 8.2 7.6 11.4

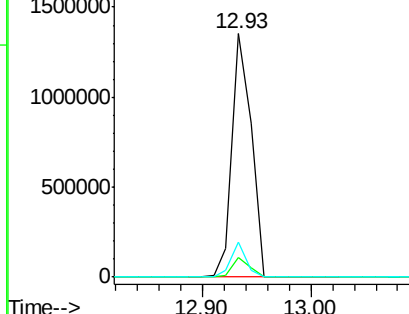
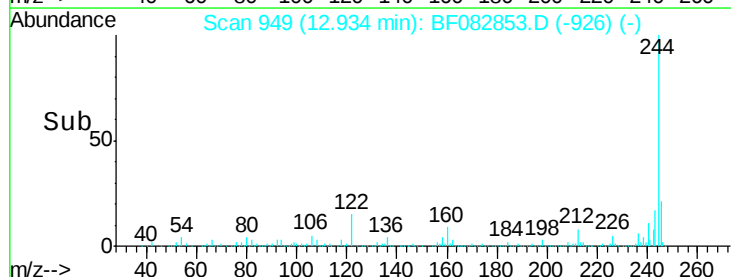
122 14.5 11.3 16.9

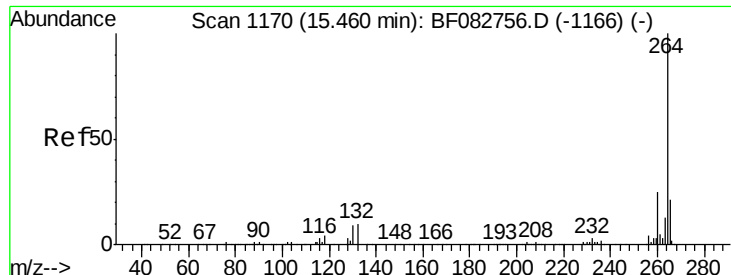


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

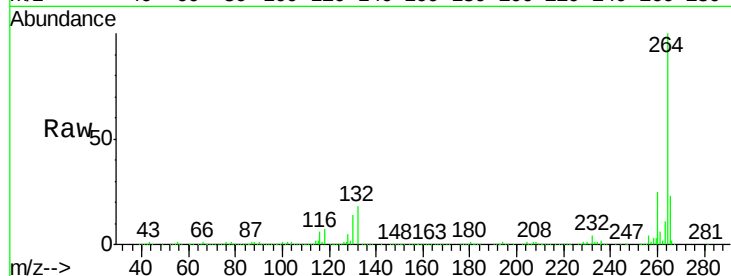




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.06 min
 Lab File: BF082853.D
 Acq: 10 Nov 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 T-4C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.6
265	22.8	17.4	26.0



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

