

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122415\
 Data File : BF084130.D
 Acq On : 25 Dec 2015 15:27
 Operator : UM/SJ
 Sample : G4885-02DL 50X
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTMIX1DL

Quant Time: Dec 26 00:38:28 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 16:48:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	51002	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	195698	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	99262	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	170481	20.00	ng	0.00
75) Chrysene-d12	13.95	240	120195	20.00	ng	-0.01
86) Perylene-d12	15.38	264	103299	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1355	0.45	ng	0.06
7) Phenol-d6	6.49	99	1429	0.38	ng	0.03
23) Nitrobenzene-d5	7.37	82	5286	1.58	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	1060	1.00	ng	0.01
44) 2-Fluorobiphenyl	9.16	172	13980	1.93	ng	0.00
78) Terphenyl-d14	12.90	244	10344	1.56	ng	0.00

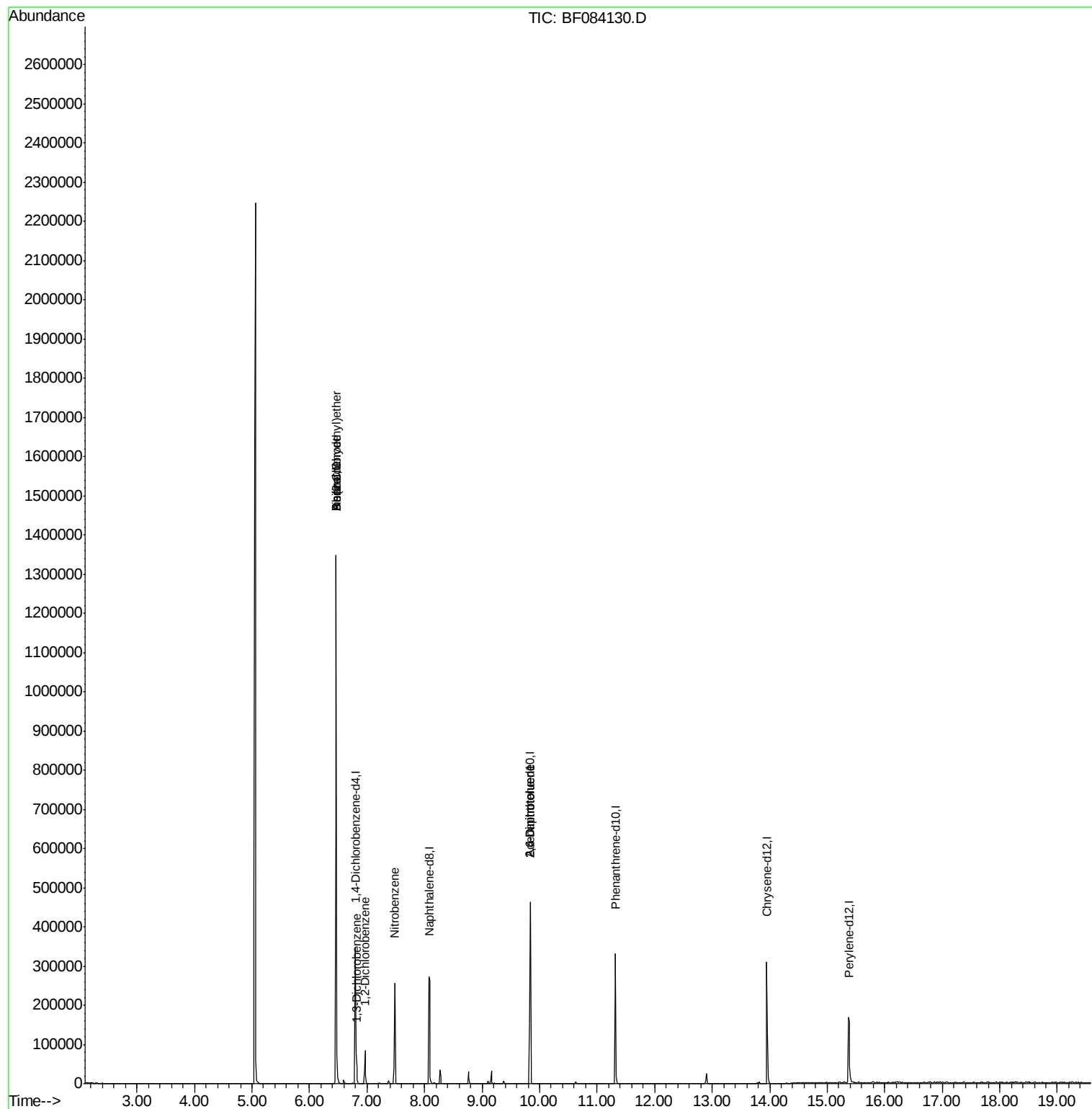
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.46	93	566136	120.32	ng	# 80
9) Benzaldehyde	6.46	77	6542	3.29	ng	# 1
10) Phenol	6.46	94	40522	9.52	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	566136	184.40	ng	# 30
12) 1,3-Dichlorobenzene	6.82	146	13735	3.37	ng	98
14) 1,2-Dichlorobenzene	6.97	146	22378	5.92	ng	97
24) Nitrobenzene	7.48	77	53930	15.19	ng	# 40
50) 2,6-Dinitrotoluene	9.84	165	12174	6.98	ng	# 35
56) 2,4-Dinitrotoluene	9.84	165	12174	5.28	ng	# 20

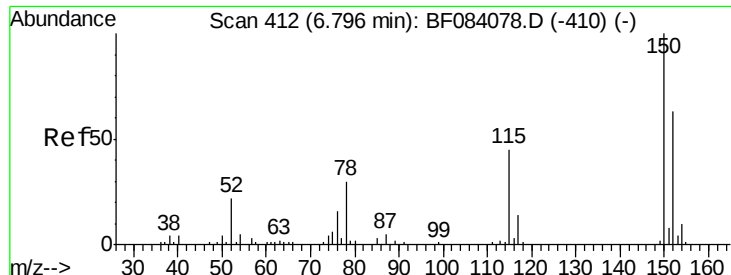
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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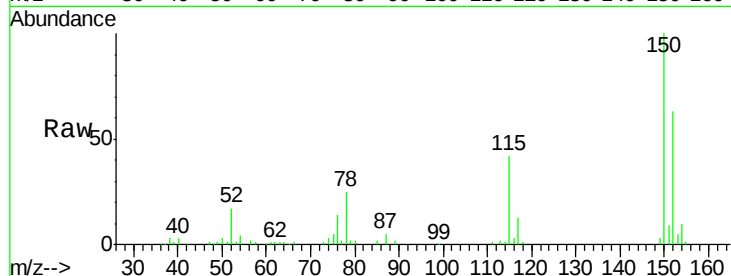


#1

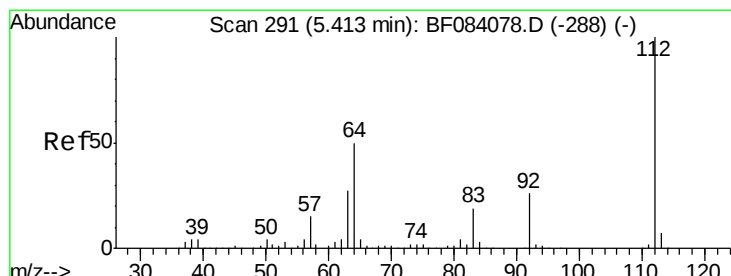
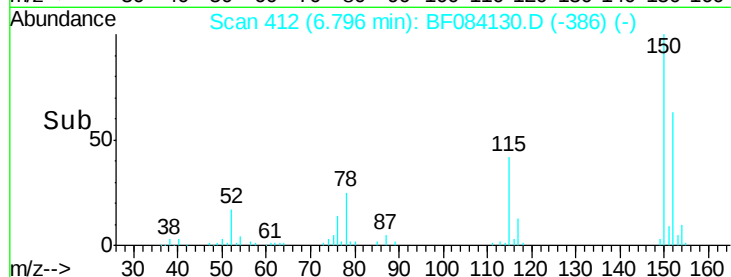
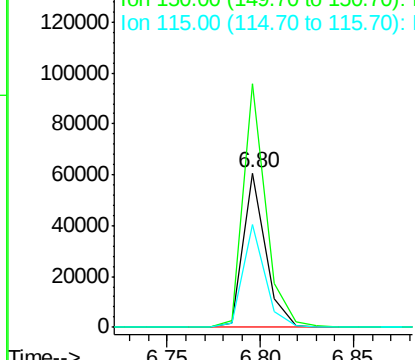
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

Instrument :
BNA_F
ClientSampleId :
POSTMIX1DL

Tgt Ion:152 Resp: 51002
Ion Ratio Lower Upper
152 100
150 157.5 123.0 184.4
115 66.4 51.4 77.2



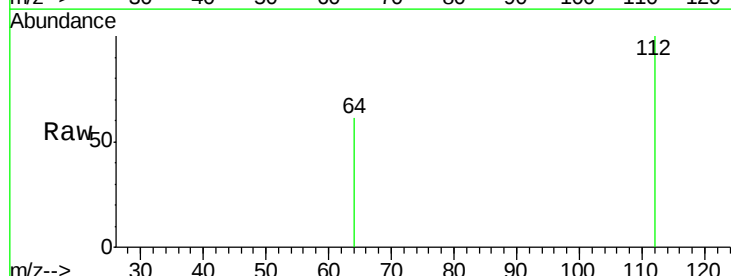
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



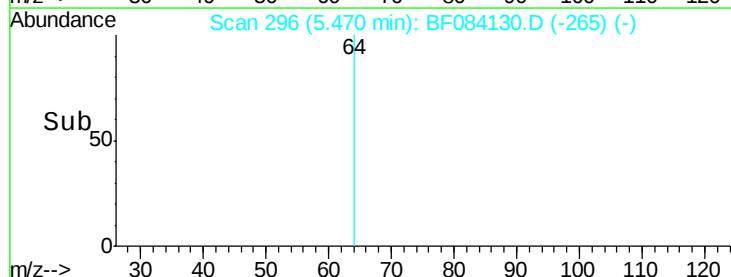
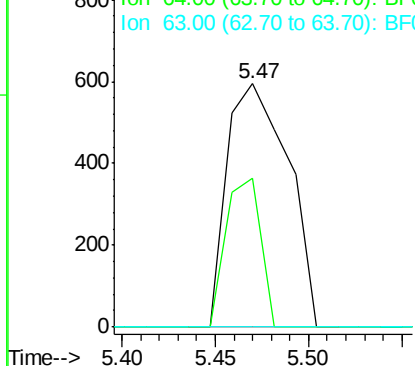
#5

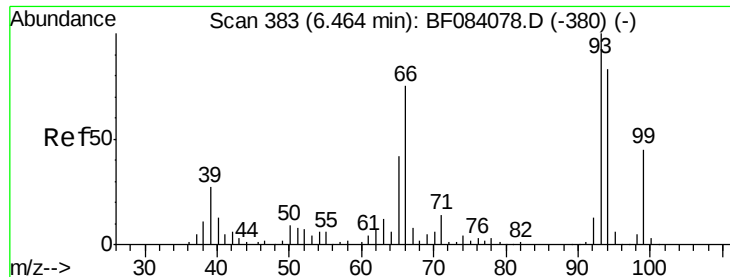
2-Fluorophenol
Concen: 0.45 ng
RT: 5.47 min Scan# 296
Delta R.T. 0.06 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

Tgt Ion:112 Resp: 1355
Ion Ratio Lower Upper
112 100
64 61.2 36.6 55.0#
63 0.0 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





#6

Aniline

Concen: 120.32 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Instrument :

BNA_F

ClientSampleId :

POSTMIX1DL

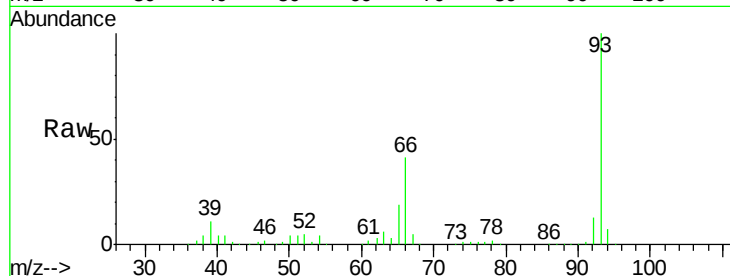
Tgt Ion: 93 Resp: 566136

Ion Ratio Lower Upper

93 100

66 40.9 44.9 67.3#

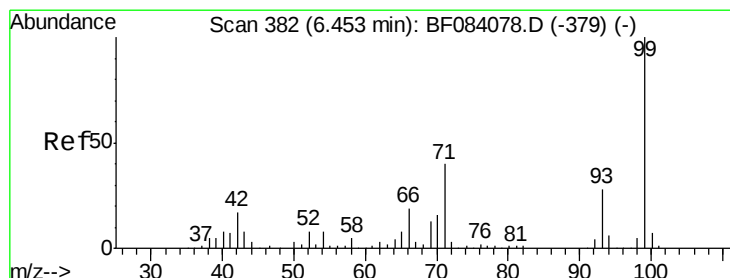
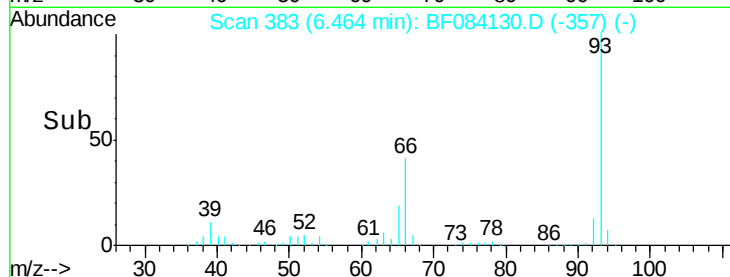
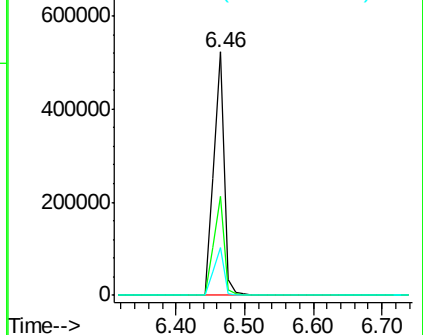
65 19.5 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.38 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.03 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

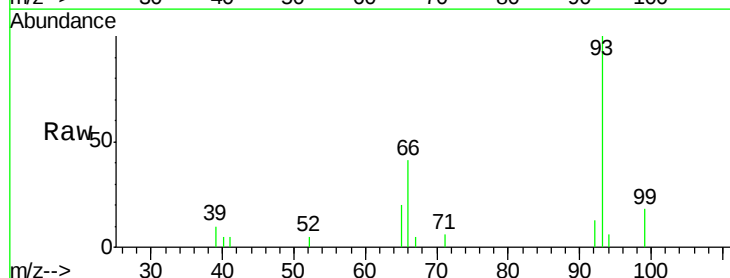
Tgt Ion: 99 Resp: 1429

Ion Ratio Lower Upper

99 100

42 0.0 12.8 19.2#

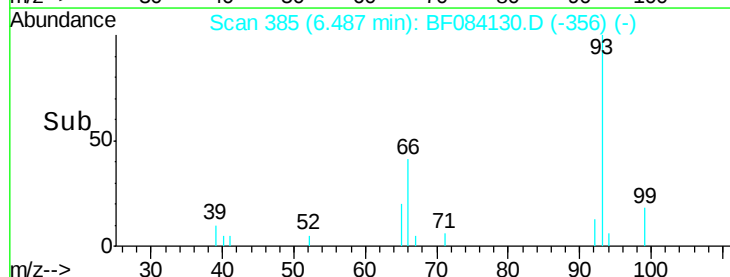
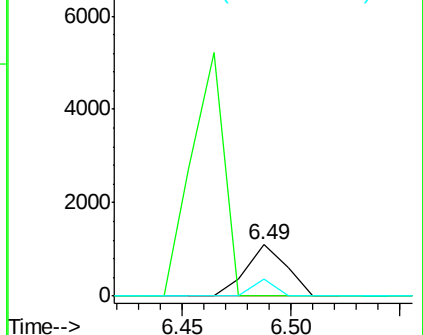
71 33.3 30.9 46.3

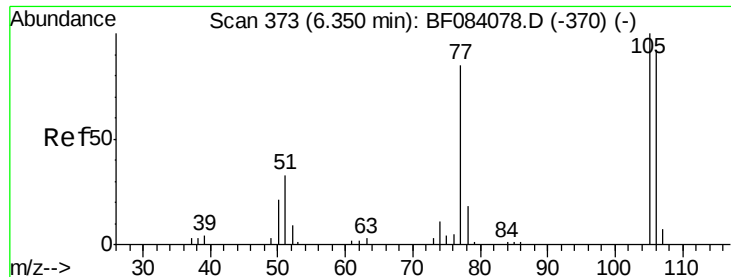


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

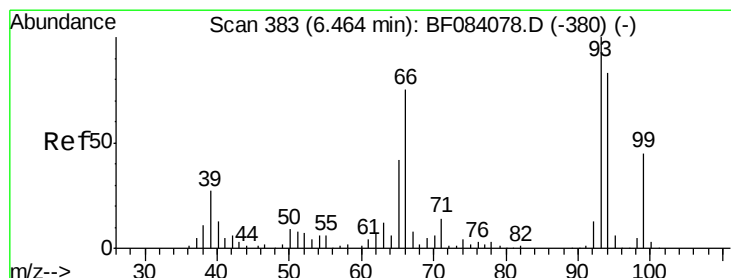
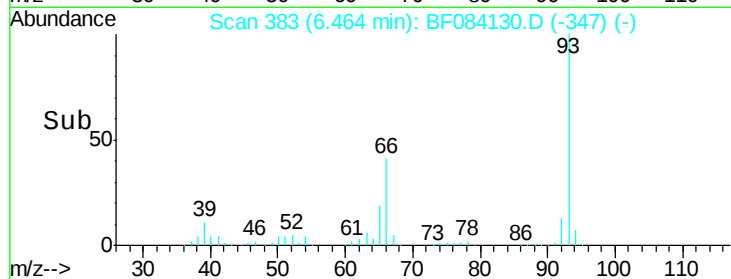
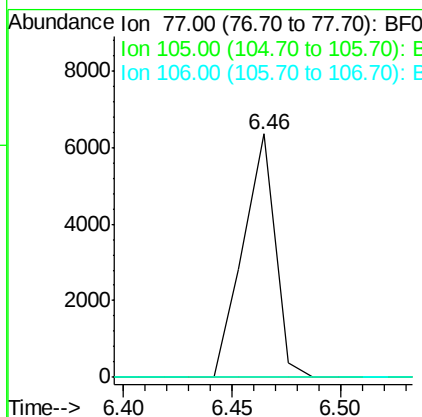
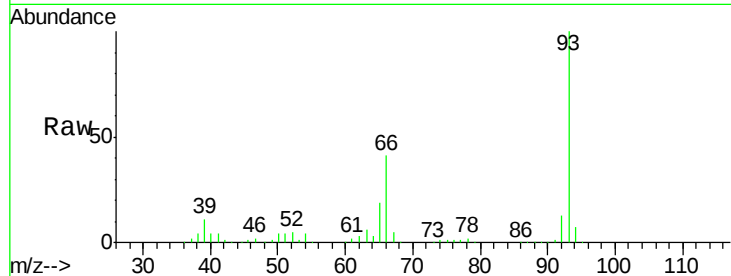




#9
Benzaldehyde
Concen: 3.29 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.11 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

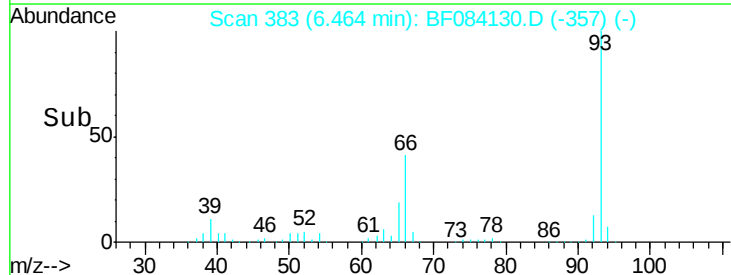
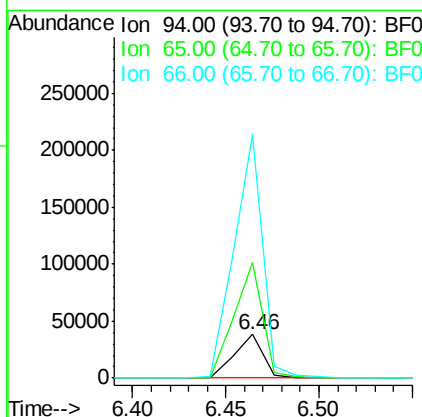
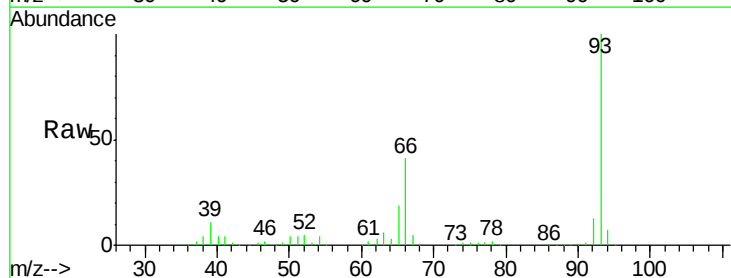
Instrument :
BNA_F
ClientSampleId :
POSTMIX1DL

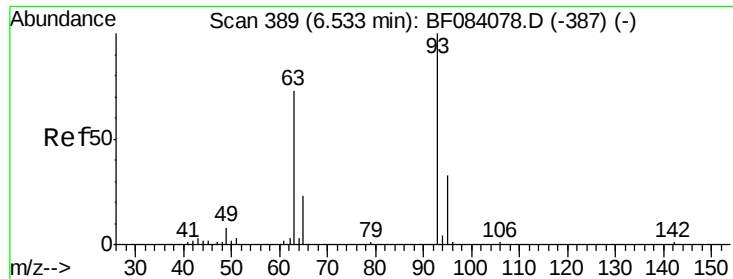
Tgt Ion: 77 Resp: 6542
Ion Ratio Lower Upper
77 100
105 0.0 83.0 123.0#
106 0.0 74.6 114.6#



#10
Phenol
Concen: 9.52 ng
RT: 6.46 min Scan# 383
Delta R.T. 0.00 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

Tgt Ion: 94 Resp: 40522
Ion Ratio Lower Upper
94 100
65 266.6 12.9 52.9#
66 559.8 32.7 72.7#

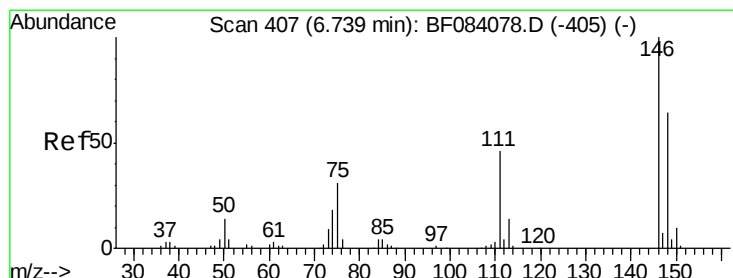
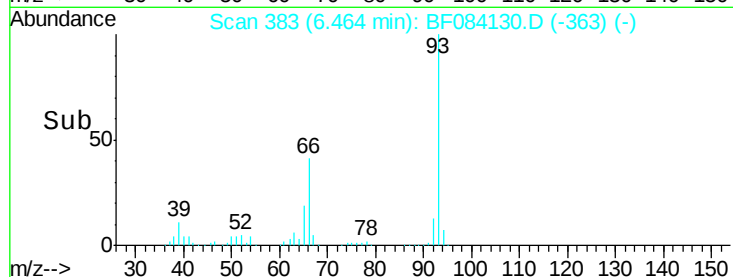
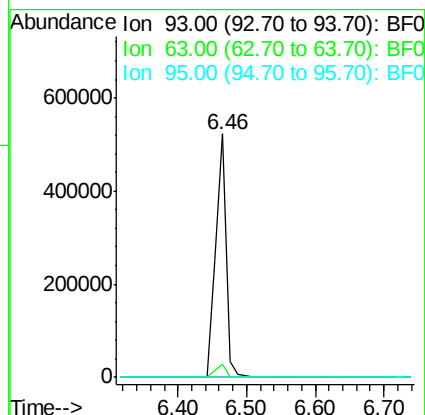
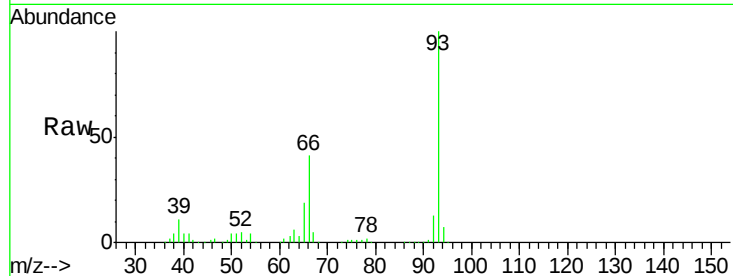




#11
bis(2-Chloroethyl)ether
Concen: 184.40 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.07 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

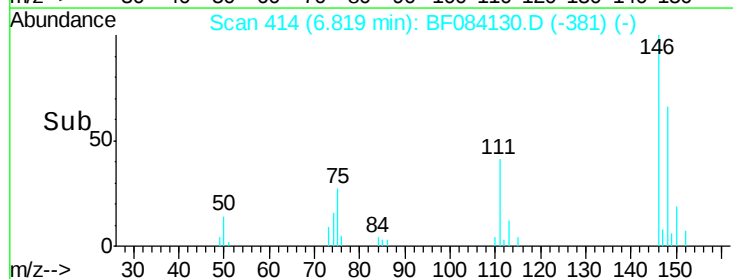
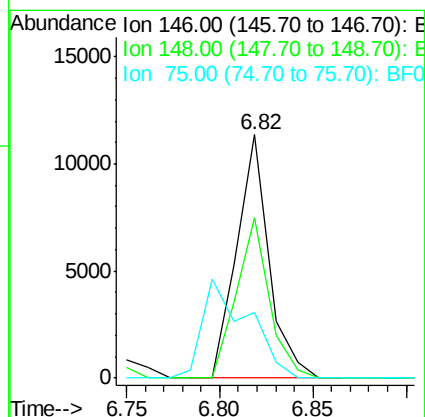
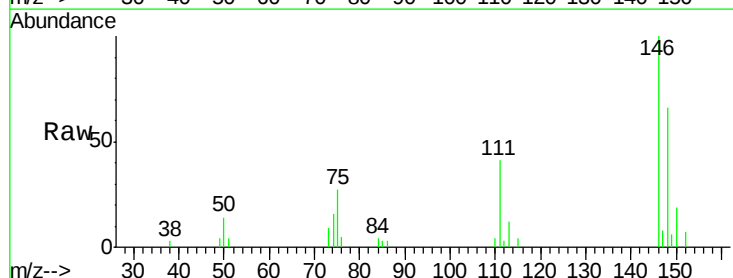
Instrument :
BNA_F
ClientSampleId :
POSTMIX1DL

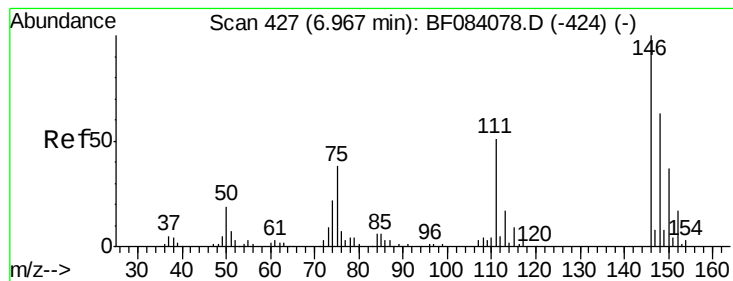
Tgt Ion: 93 Resp: 566136
Ion Ratio Lower Upper
93 100
63 5.6 45.9 85.9#
95 0.2 12.3 52.3#



#12
1,3-Dichlorobenzene
Concen: 3.37 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.08 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

Tgt Ion: 146 Resp: 13735
Ion Ratio Lower Upper
146 100
148 65.7 51.9 77.9
75 27.2 20.5 30.7





#14

1,2-Dichlorobenzene

Concen: 5.92 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Instrument :

BNA_F

ClientSampleId :

POSTMIX1DL

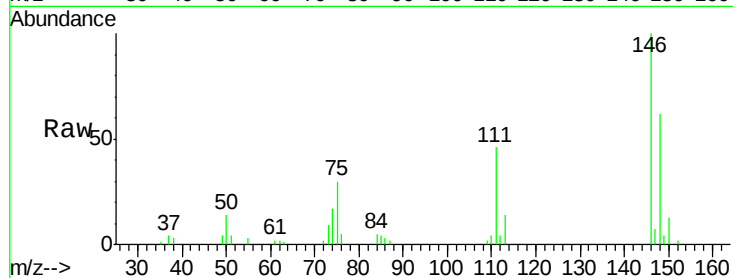
Tgt Ion:146 Resp: 22378

Ion Ratio Lower Upper

146 100

148 62.2 51.6 77.4

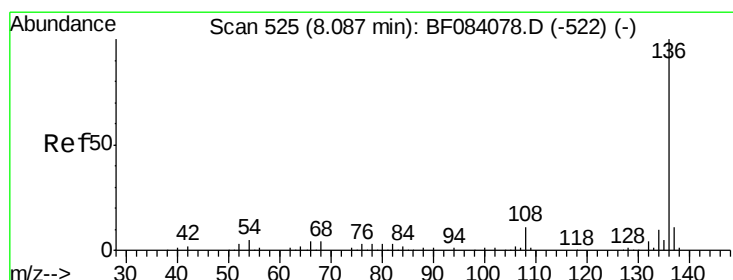
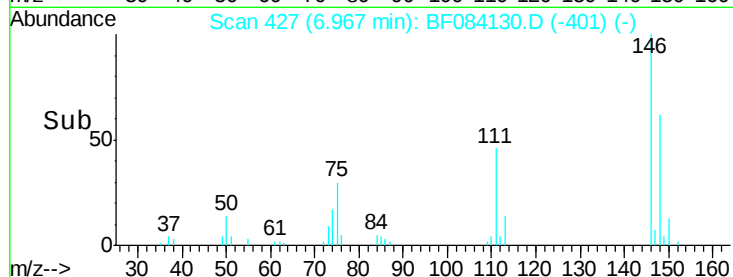
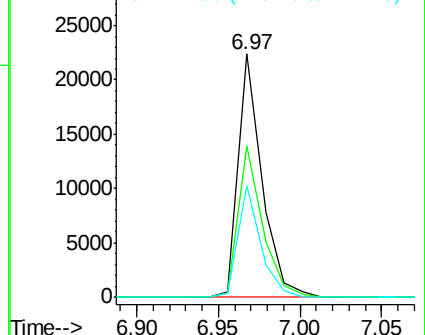
111 45.8 38.0 57.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Tgt Ion:136 Resp: 195698

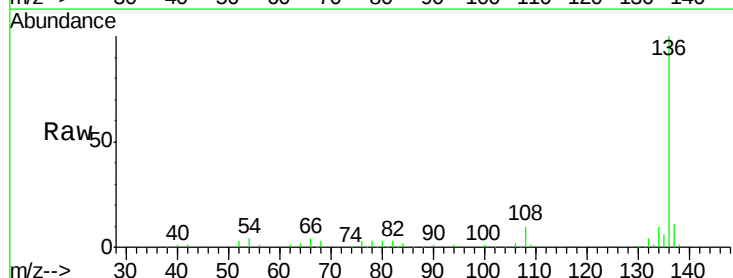
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 4.1 5.8 8.8#

68 3.5 4.2 6.2#

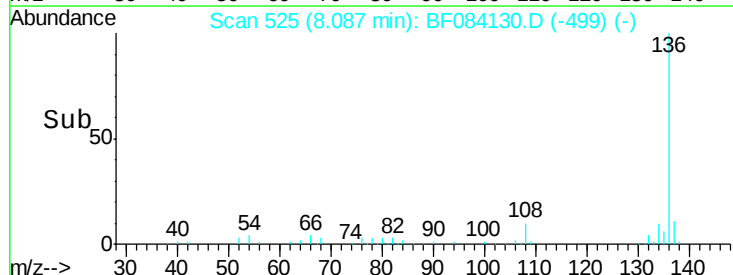
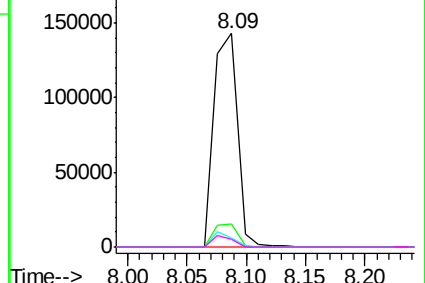


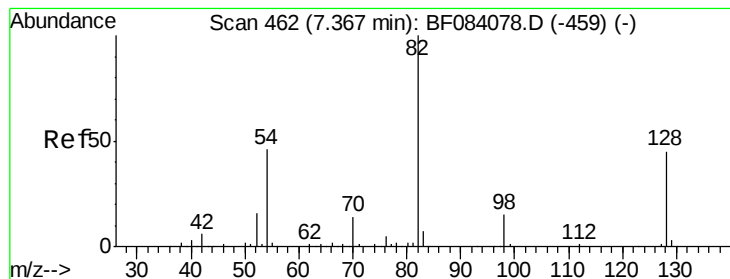
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.58 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Instrument :

BNA_F

ClientSampleId :

POSTMIX1DL

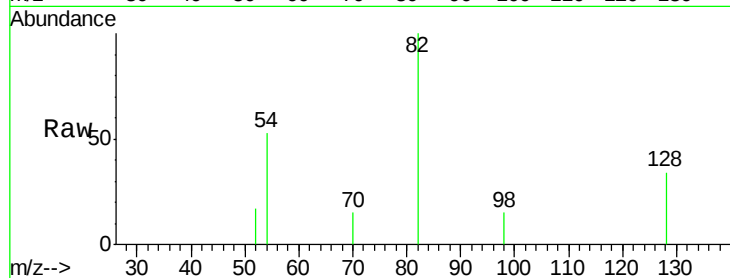
Tgt Ion: 82 Resp: 5286

Ion Ratio Lower Upper

82 100

128 34.4 34.6 51.8#

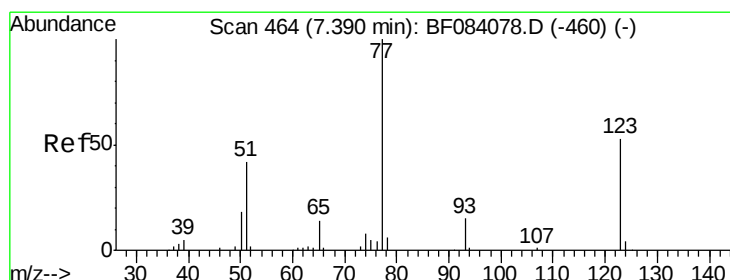
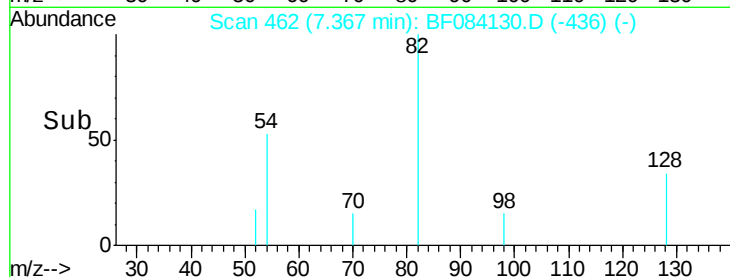
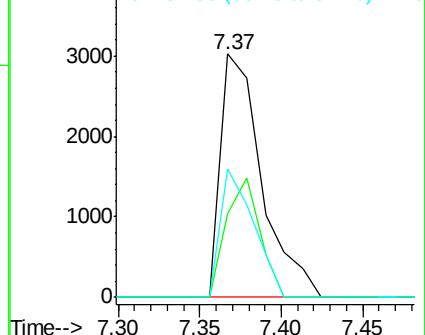
54 52.9 38.4 57.6



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



#24

Nitrobenzene

Concen: 15.19 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.09 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

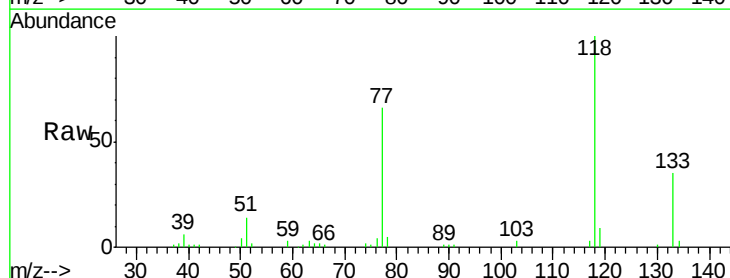
Tgt Ion: 77 Resp: 53930

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

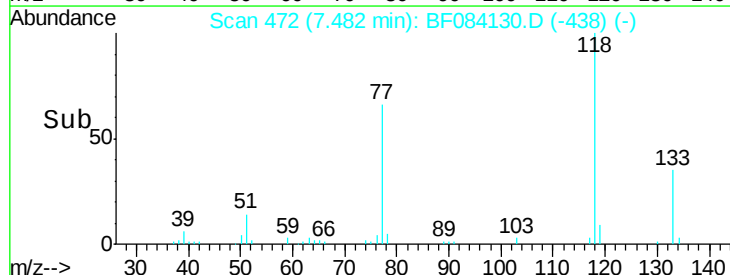
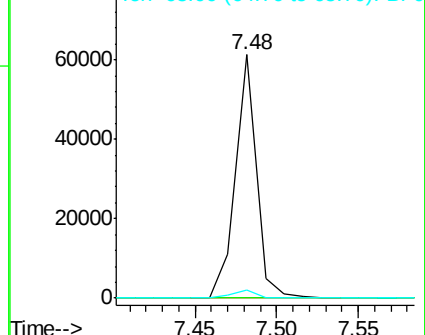
65 3.5 10.9 16.3#

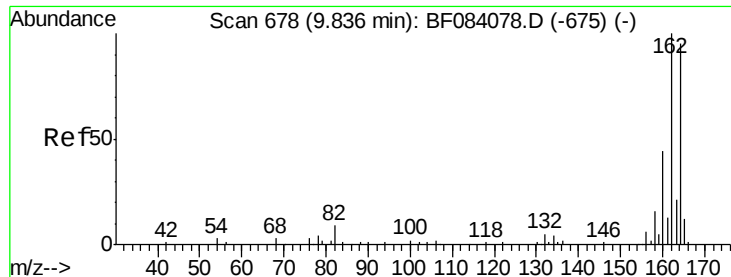


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

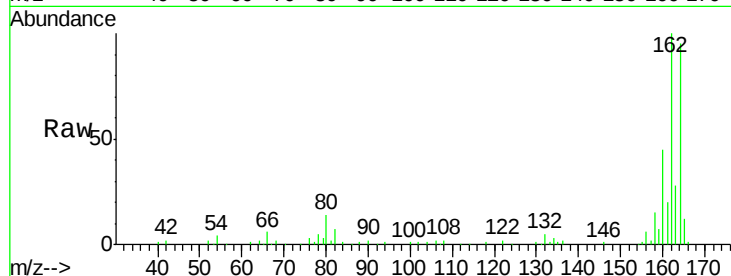




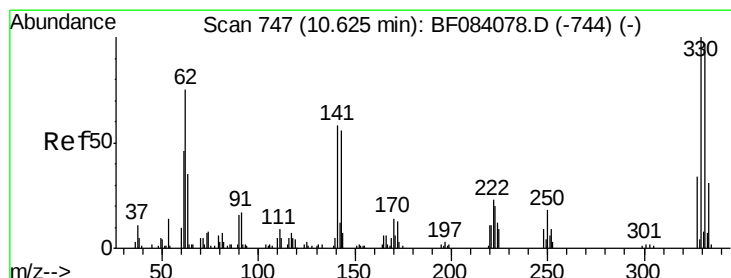
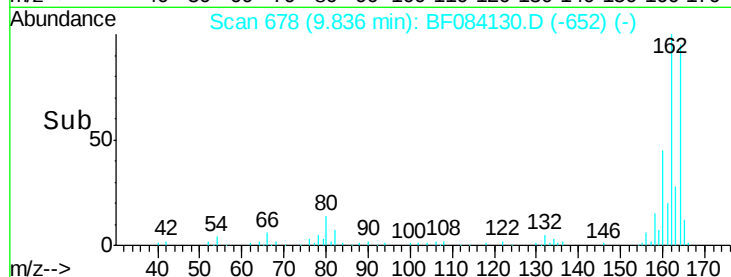
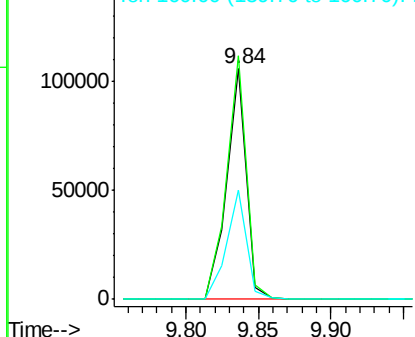
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF084130.D
 Acq: 25 Dec 2015 15:27

Instrument :
 BNA_F
 ClientSampleId :
 POSTMIX1DL

Tgt Ion:164 Resp: 99262
 Ion Ratio Lower Upper
 164 100
 162 105.6 85.1 127.7
 160 47.2 37.5 56.3

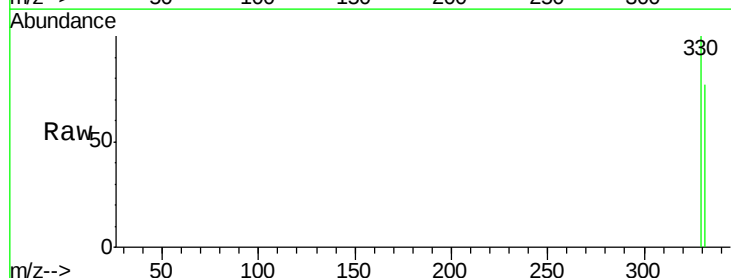


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

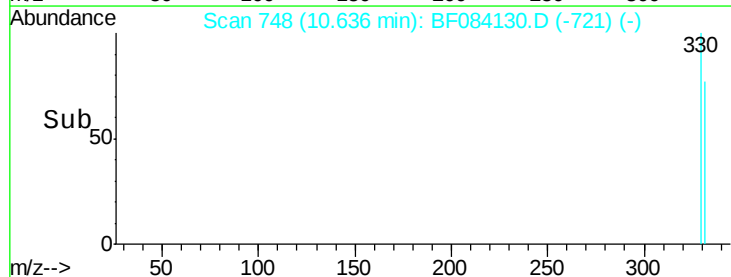
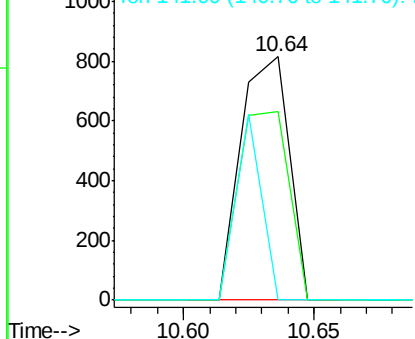


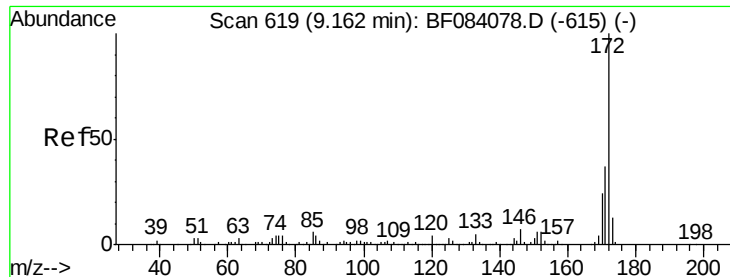
#41
 2,4,6-Tribromophenol
 Concen: 1.00 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: BF084130.D
 Acq: 25 Dec 2015 15:27

Tgt Ion:330 Resp: 1060
 Ion Ratio Lower Upper
 330 100
 332 80.8 76.6 114.8
 141 40.5 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: 1.93 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Instrument :

BNA_F

ClientSampleId :

POSTMIX1DL

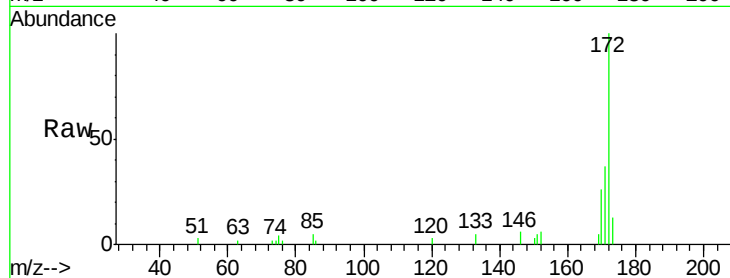
Tgt Ion:172 Resp: 13980

Ion Ratio Lower Upper

172 100

171 37.2 28.9 43.3

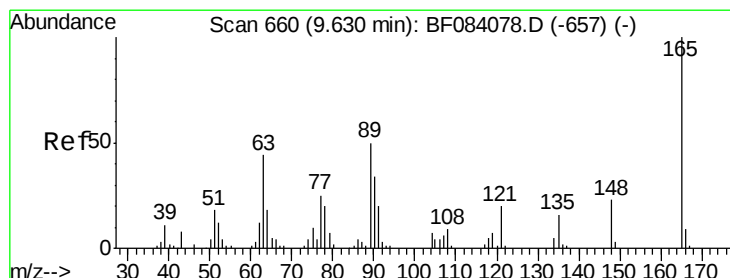
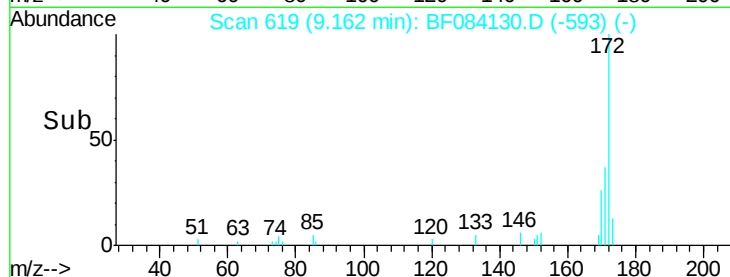
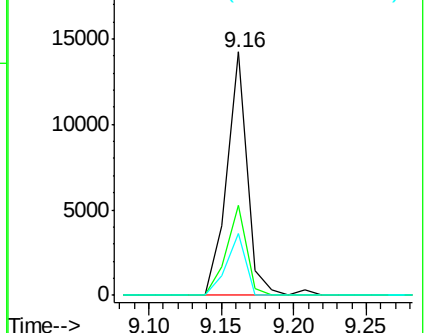
170 25.5 18.6 27.8



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



#50

2,6-Dinitrotoluene

Concen: 6.98 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.21 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

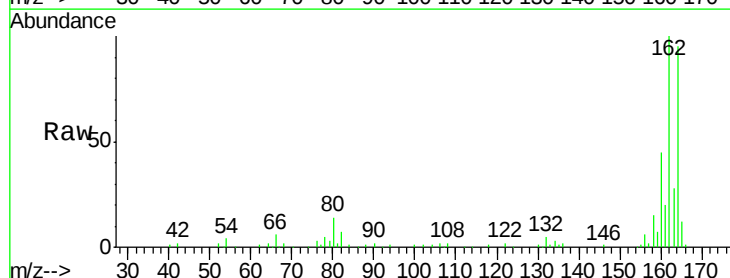
Tgt Ion:165 Resp: 12174

Ion Ratio Lower Upper

165 100

63 0.0 28.8 43.2#

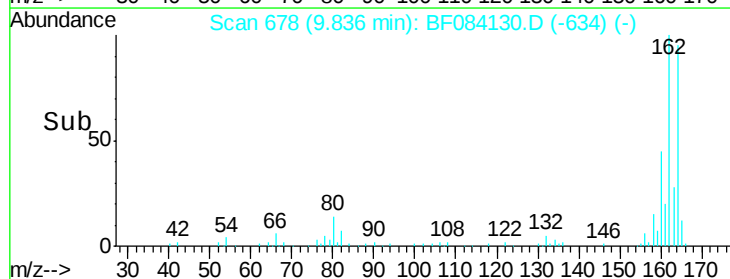
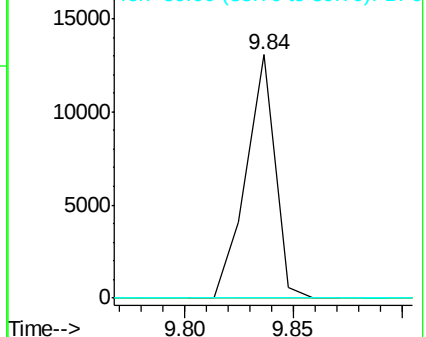
89 0.0 35.1 52.7#

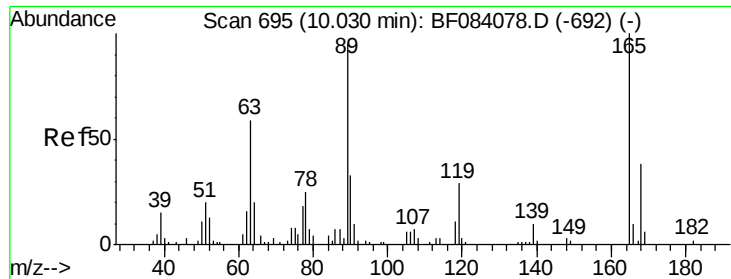


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.28 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.19 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

Instrument :

BNA_F

ClientSampleId :

POSTMIX1DL

Tgt Ion:165 Resp: 12174

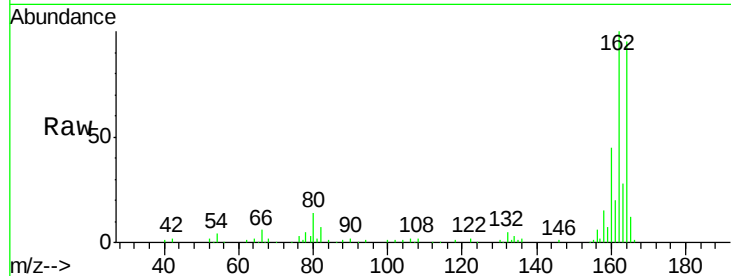
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

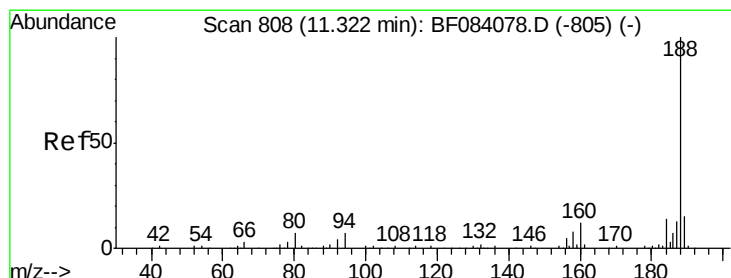
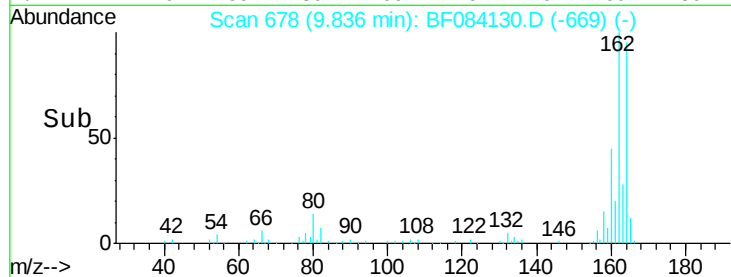
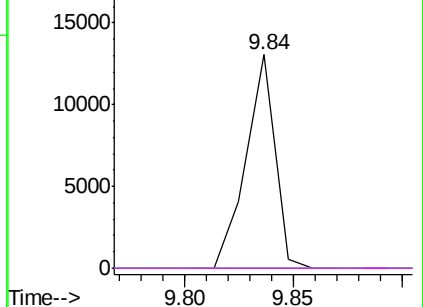


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF084130.D

Acq: 25 Dec 2015 15:27

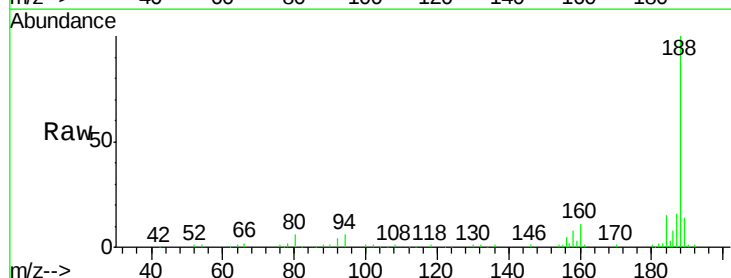
Tgt Ion:188 Resp: 170481

Ion Ratio Lower Upper

188 100

94 6.0 9.0 13.4#

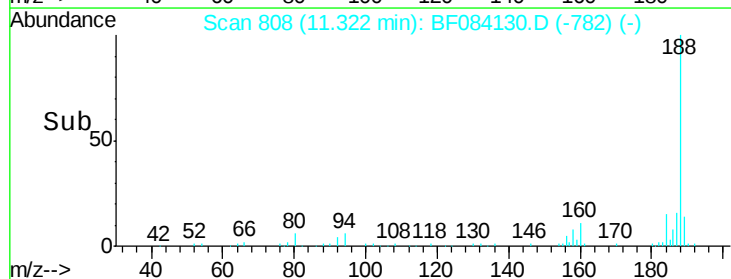
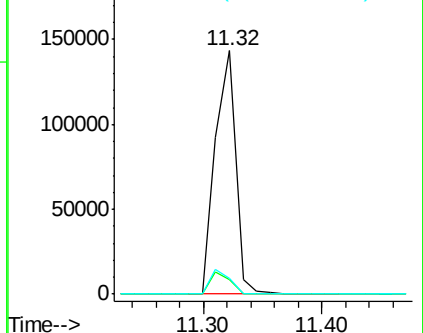
80 6.3 9.6 14.4#

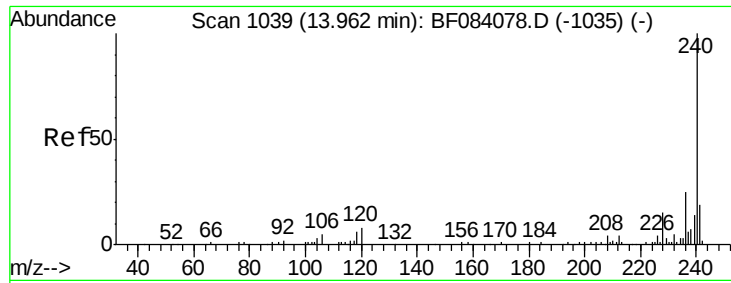


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

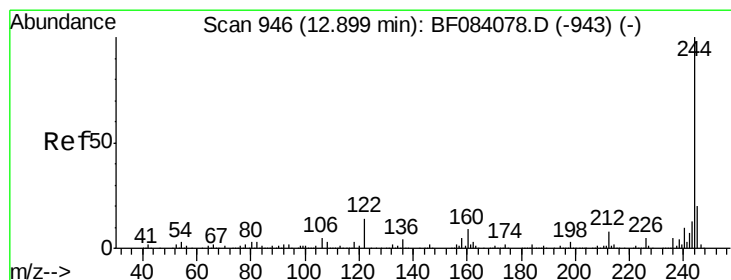
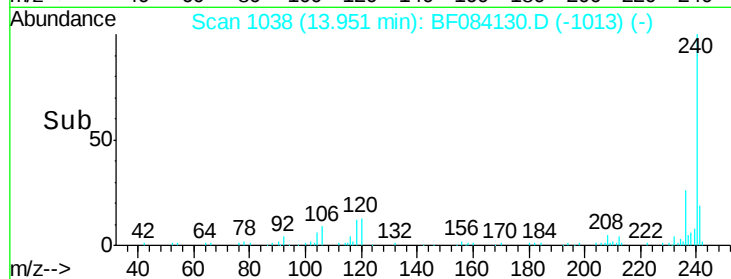
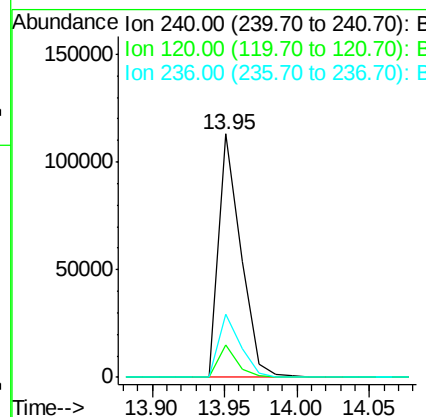
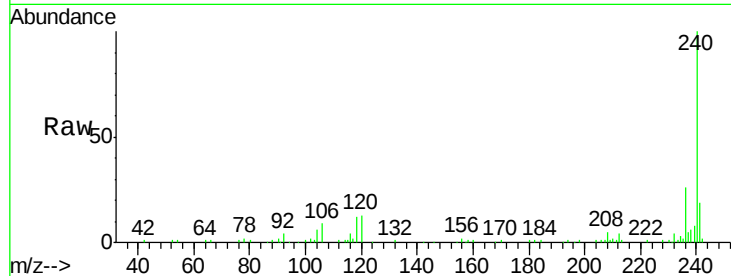




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF084130.D
 Acq: 25 Dec 2015 15:27

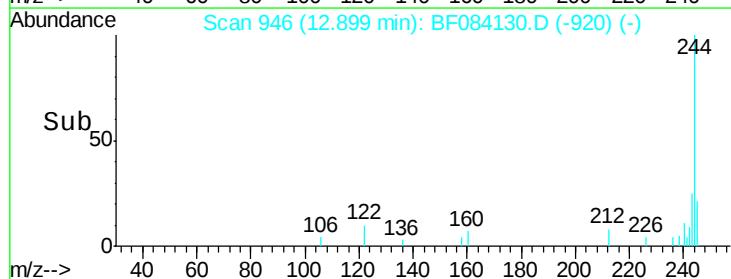
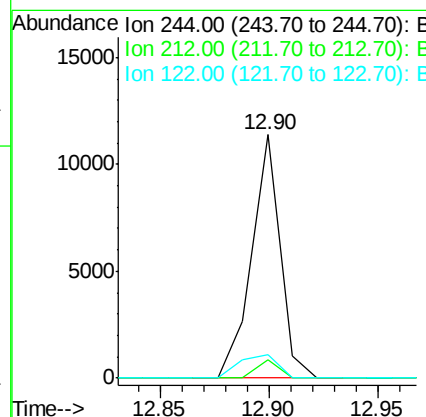
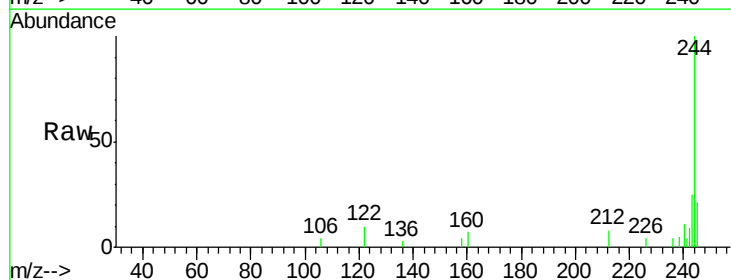
Instrument :
 BNA_F
 ClientSampleId :
 POSTMIX1DL

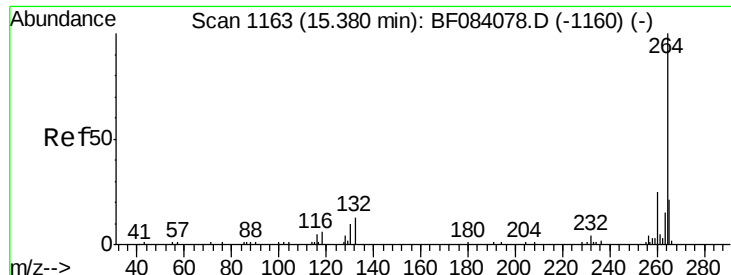
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.8	20.6	31.0



#78
 Terphenyl-d14
 Concen: 1.56 ng
 RT: 12.90 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF084130.D
 Acq: 25 Dec 2015 15:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	9.7	7.4	11.0

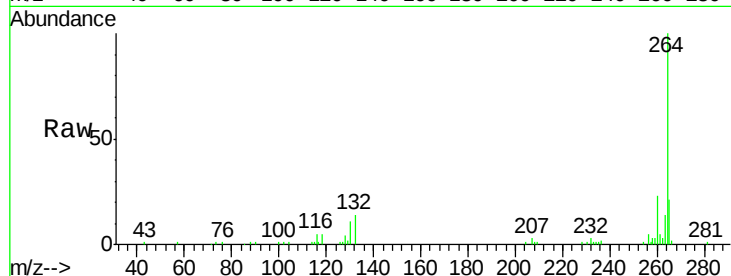




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF084130.D
Acq: 25 Dec 2015 15:27

Instrument :
BNA_F
ClientSampleId :
POSTMIX1DL

Tgt Ion: 264 Resp: 103299
Ion Ratio Lower Upper
264 100
260 23.1 19.4 29.2
265 21.1 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

