

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084070.D
 Acq On : 24 Dec 2015 8:32
 Operator : UM/SJ
 Sample : G4925-08
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 24 10:40:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

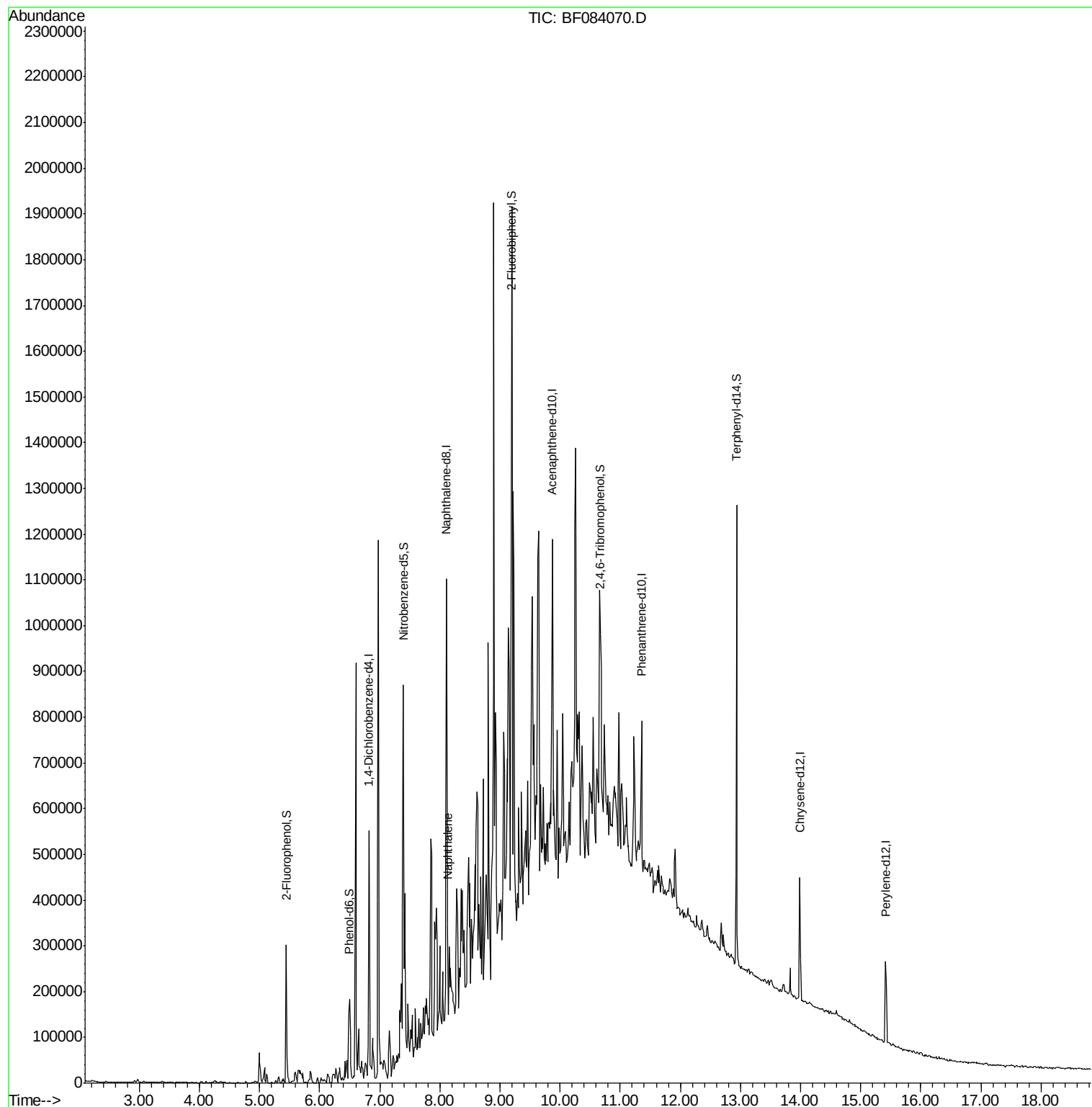
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	52710	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	188891	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	85944	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	126263	20.00	ng	0.00
75) Chrysene-d12	13.99	240	93211	20.00	ng	-0.01
86) Perylene-d12	15.41	264	83755	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	136798	44.25	ng	0.01
7) Phenol-d6	6.50	99	104727	28.81	ng	0.02
23) Nitrobenzene-d5	7.39	82	271373	88.26	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	94906	114.81	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	497634	77.93	ng	0.00
78) Terphenyl-d14	12.93	244	282877	72.37	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	45302	4.69	ng	Qvalue # 85

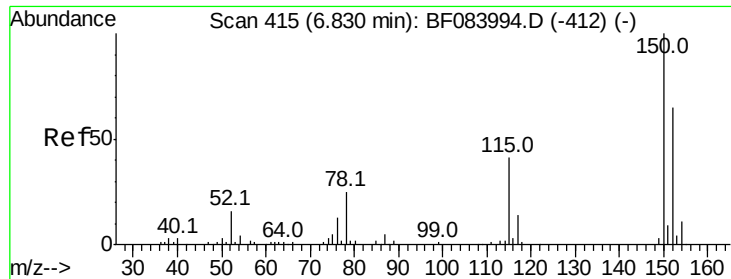
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

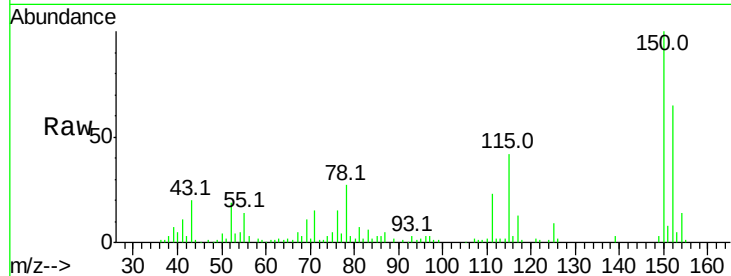
Tot Ion:152 Resp: 52710

Ion Ratio Lower Upper

152 100

150 153.1 123.0 184.4

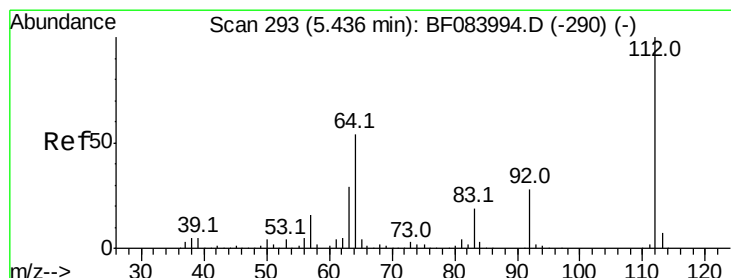
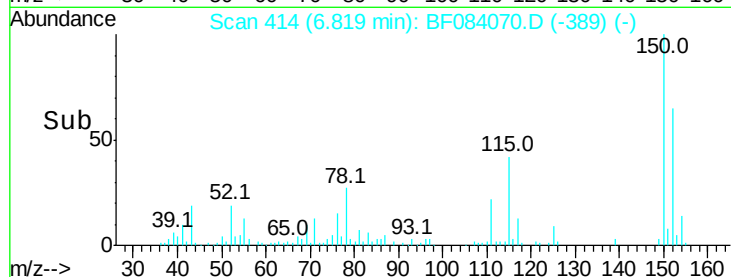
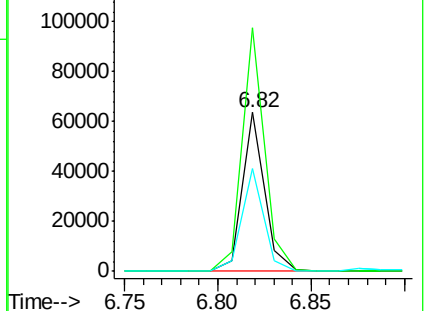
115 64.8 51.4 77.2



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: 44.25 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

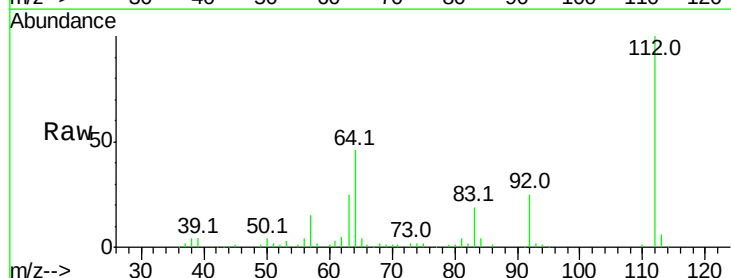
Tgt Ion:112 Resp: 136798

Ion Ratio Lower Upper

112 100

64 46.0 36.6 55.0

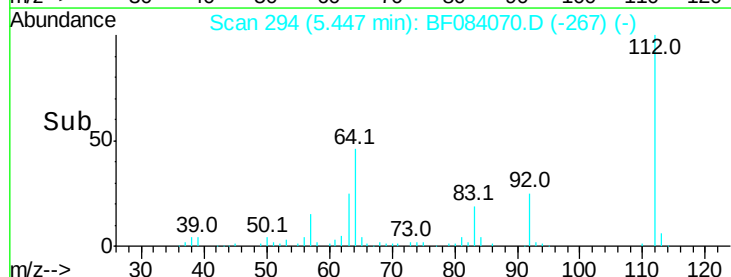
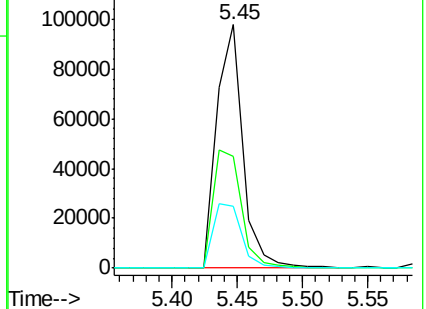
63 25.3 19.4 29.0

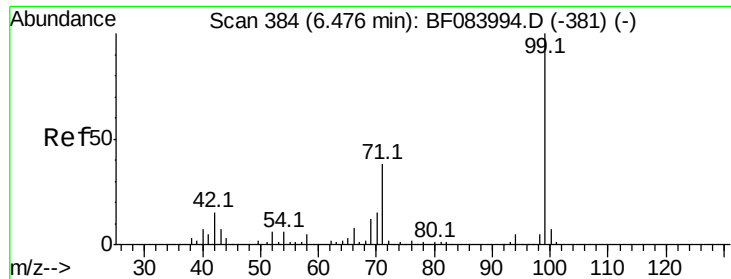


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.81 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

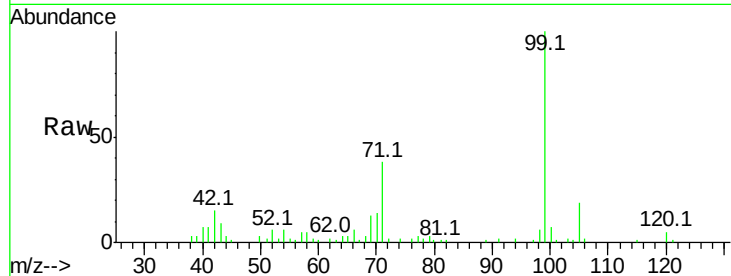
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 104727

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	37.8	30.9	46.3

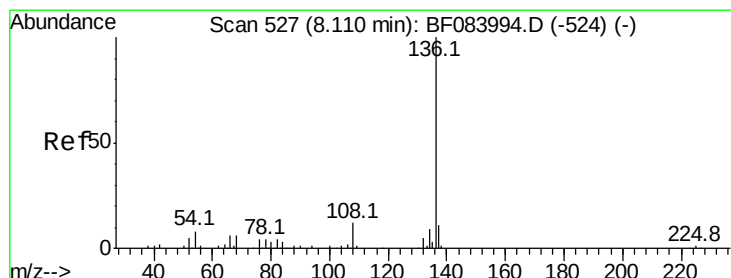
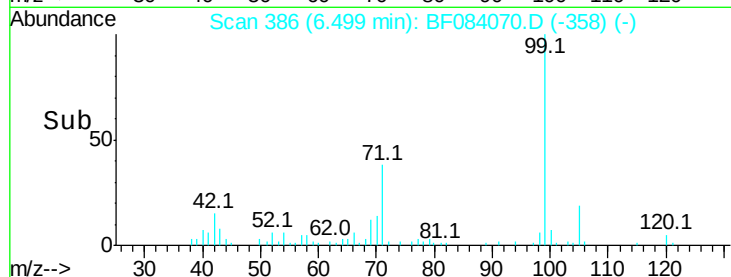
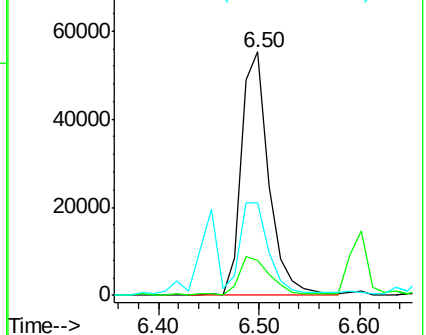


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

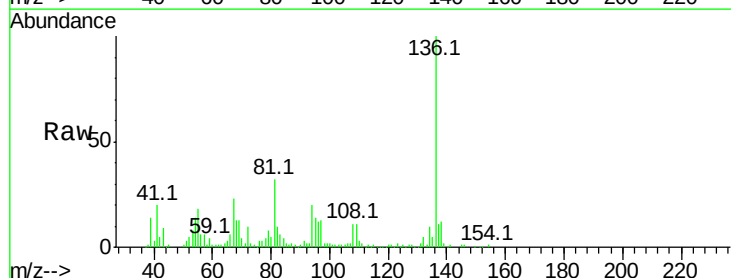
Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Tgt Ion: 136 Resp: 188891

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	13.7	5.8	8.8#
68	12.9	4.2	6.2#



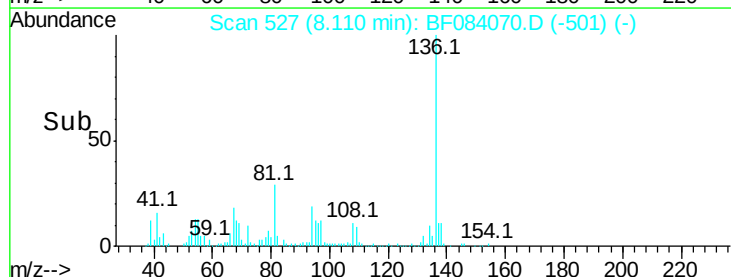
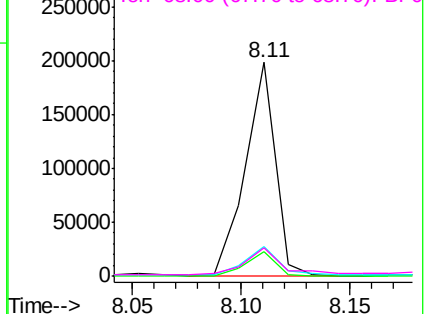
Abundance

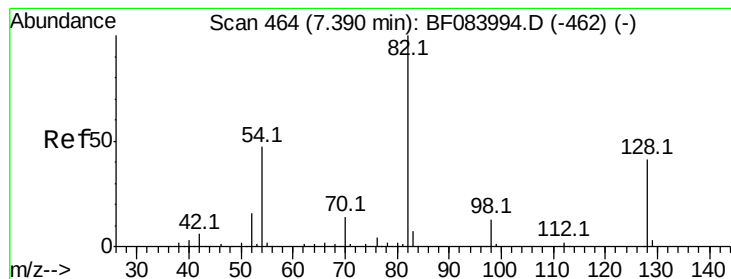
Ion 136.00 (135.70 to 136.70): E

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: 88.26 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

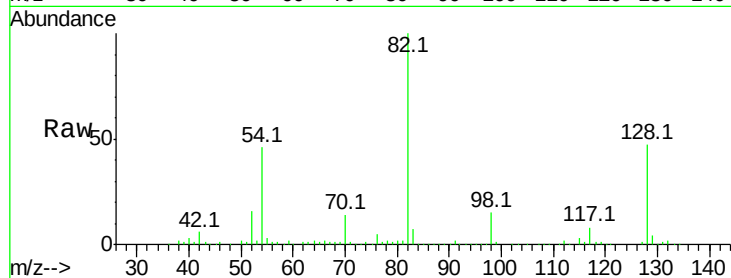
Tot Ion: 82 Resp: 271373

Ion Ratio Lower Upper

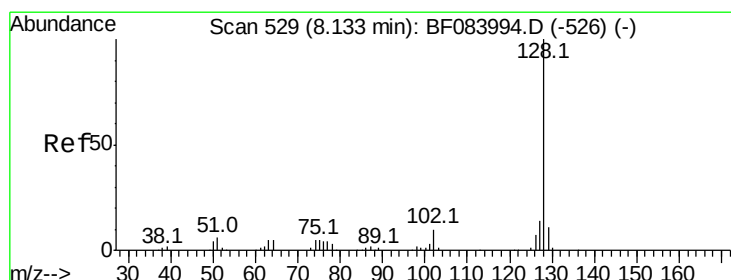
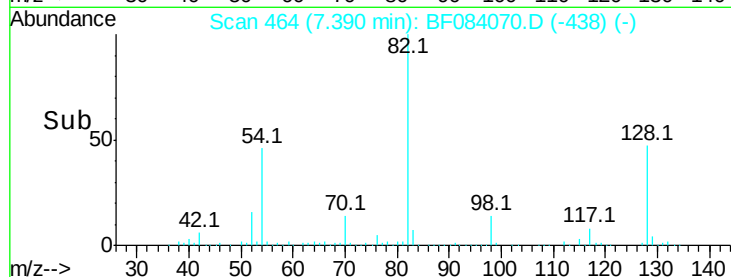
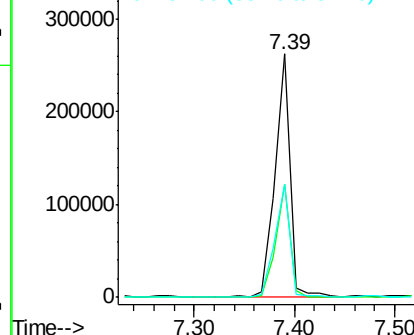
82 100

128 46.6 34.6 51.8

54 46.3 38.4 57.6



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



#31

Naphthalene

Concen: 4.69 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

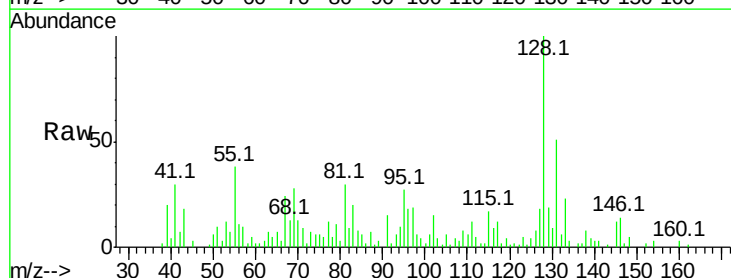
Tgt Ion: 128 Resp: 45302

Ion Ratio Lower Upper

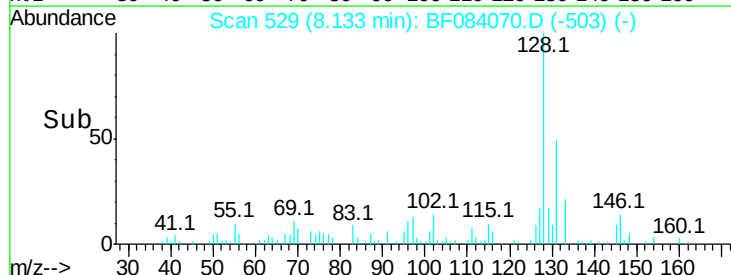
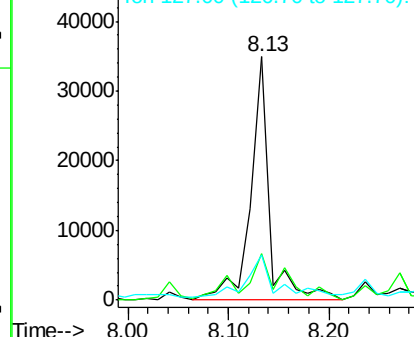
128 100

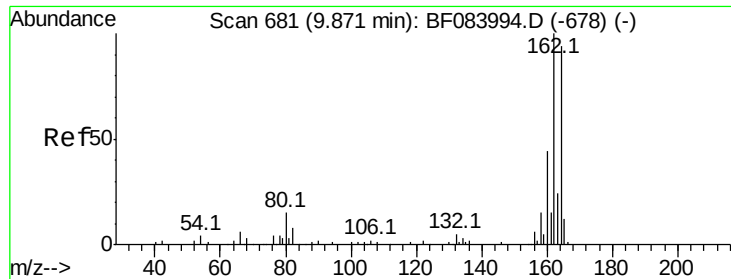
129 18.9 9.1 13.7#

127 18.5 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: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

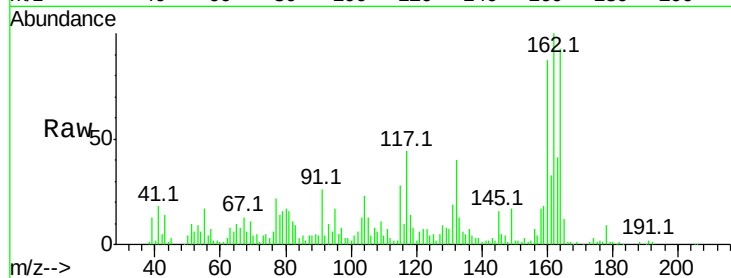
Tot Ion:164 Resp: 85944

Ion Ratio Lower Upper

164 100

162 107.4 85.1 127.7

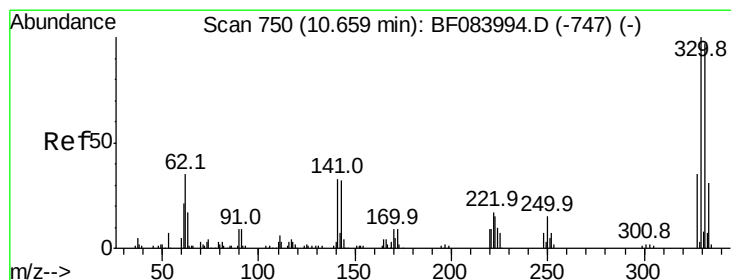
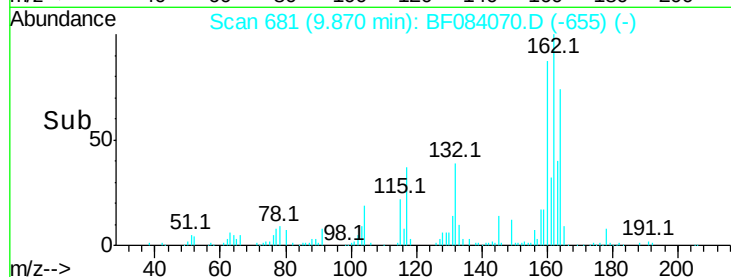
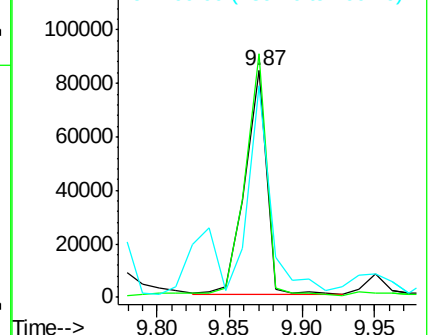
160 93.4 37.5 56.3#



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: 114.81 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

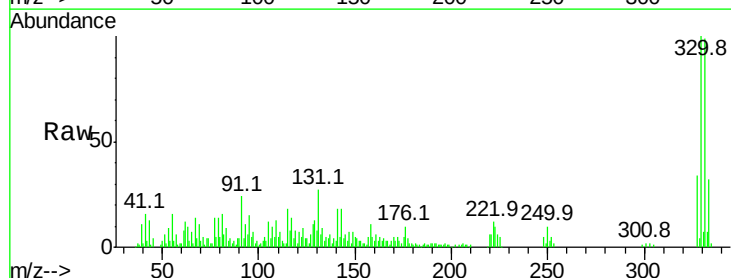
Tgt Ion:330 Resp: 94906

Ion Ratio Lower Upper

330 100

332 97.9 76.6 114.8

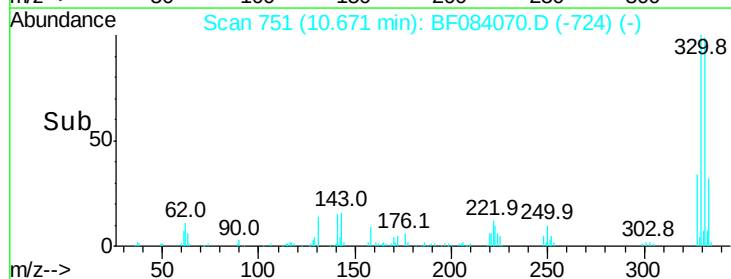
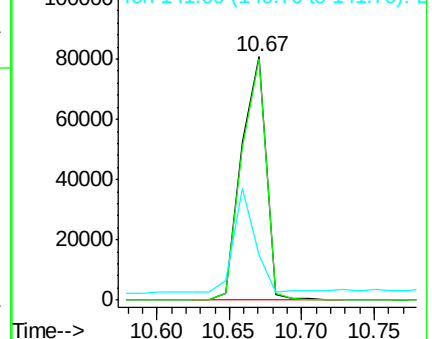
141 40.0 27.8 41.6

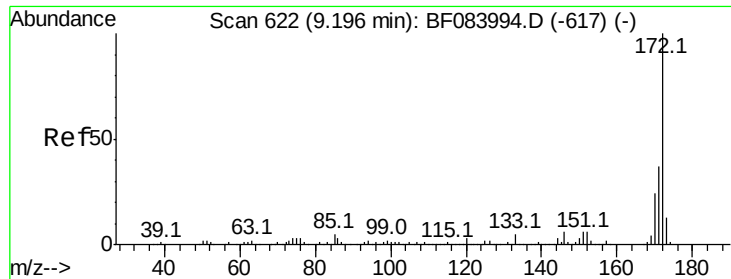


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

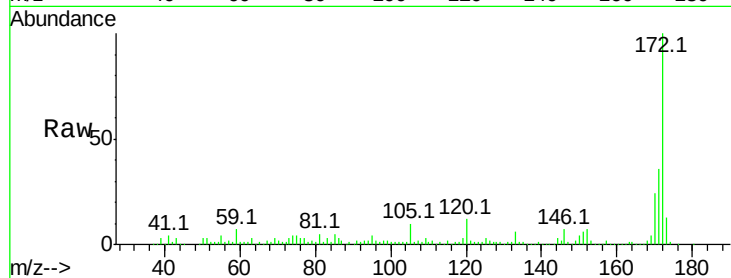




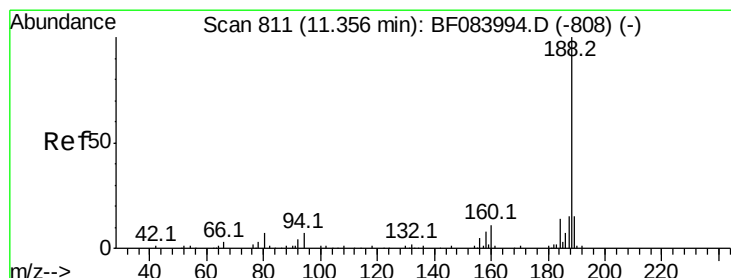
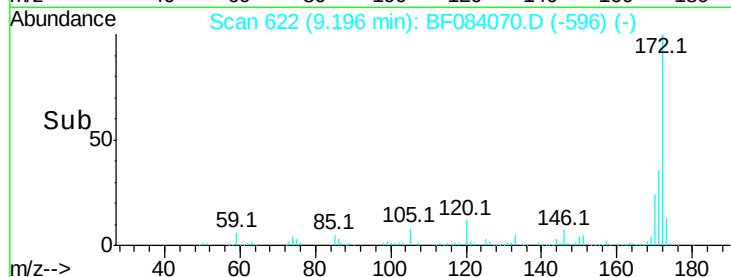
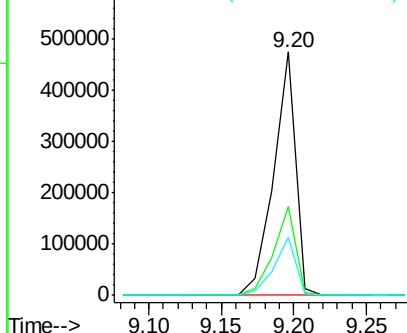
#44
2-Fluorobiphenyl
Concen: 77.93 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 497634
Ion Ratio Lower Upper
172 100
171 36.3 28.9 43.3
170 23.6 18.6 27.8

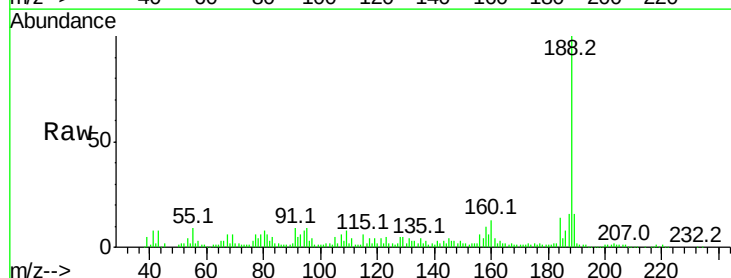


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

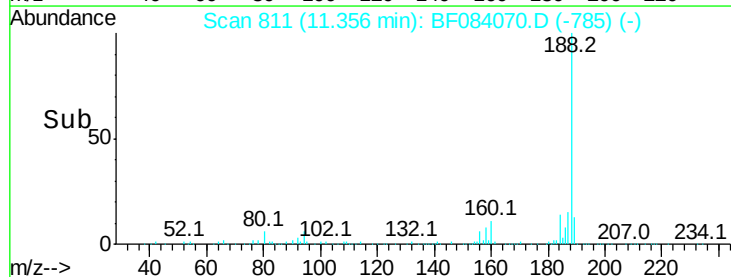
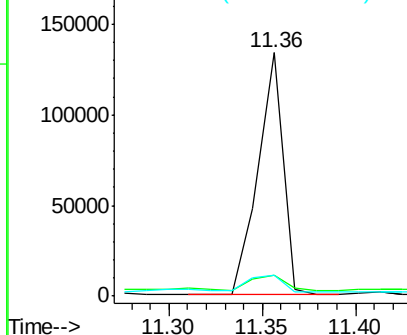


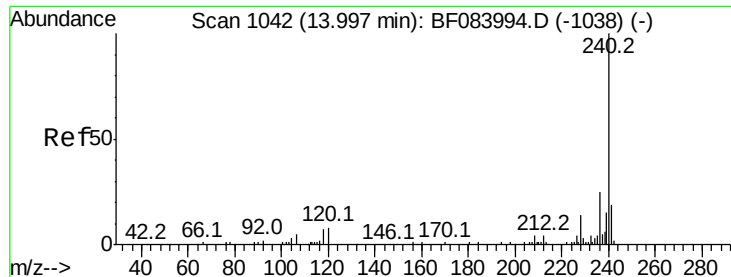
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion:188 Resp: 126263
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.4 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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

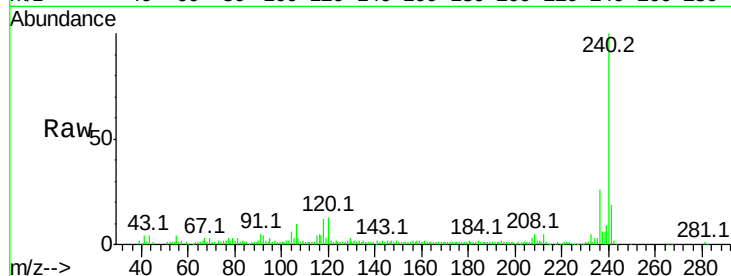
Tot Ion:240 Resp: 93211

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

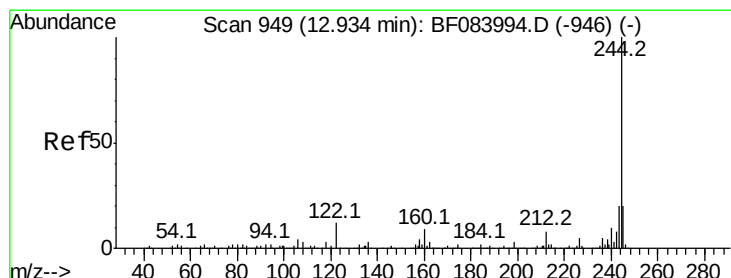
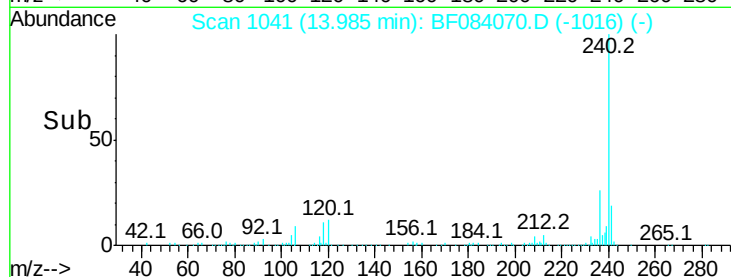
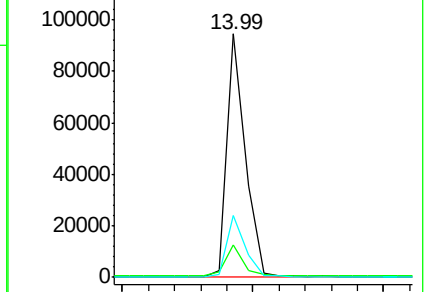
236 25.6 20.6 31.0



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: 72.37 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

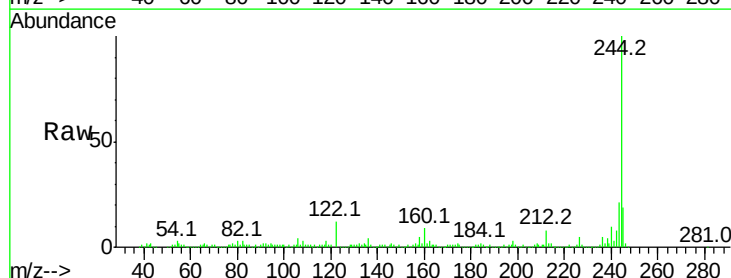
Tgt Ion:244 Resp: 282877

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

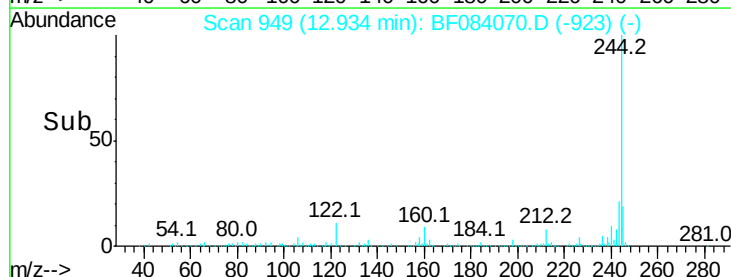
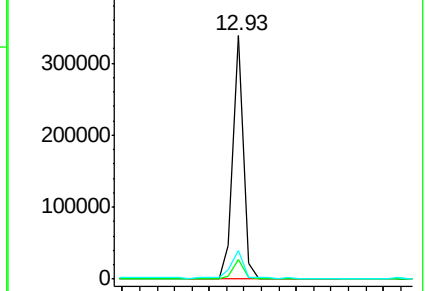
122 11.7 7.4 11.0#

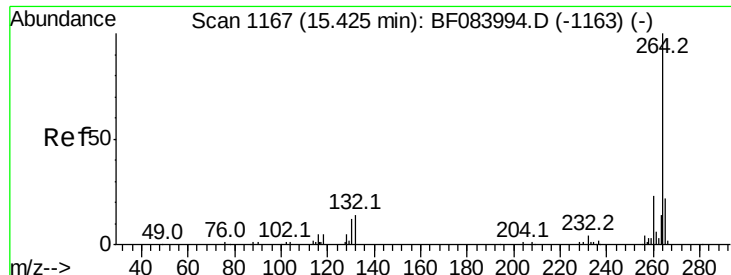


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.4	29.2
265	22.1	17.8	26.6

