

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122415\
 Data File : BF084115.D
 Acq On : 25 Dec 2015 8:21
 Operator : UM/SJ
 Sample : G4951-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PZ-8-122215

Quant Time: Dec 26 00:33:37 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

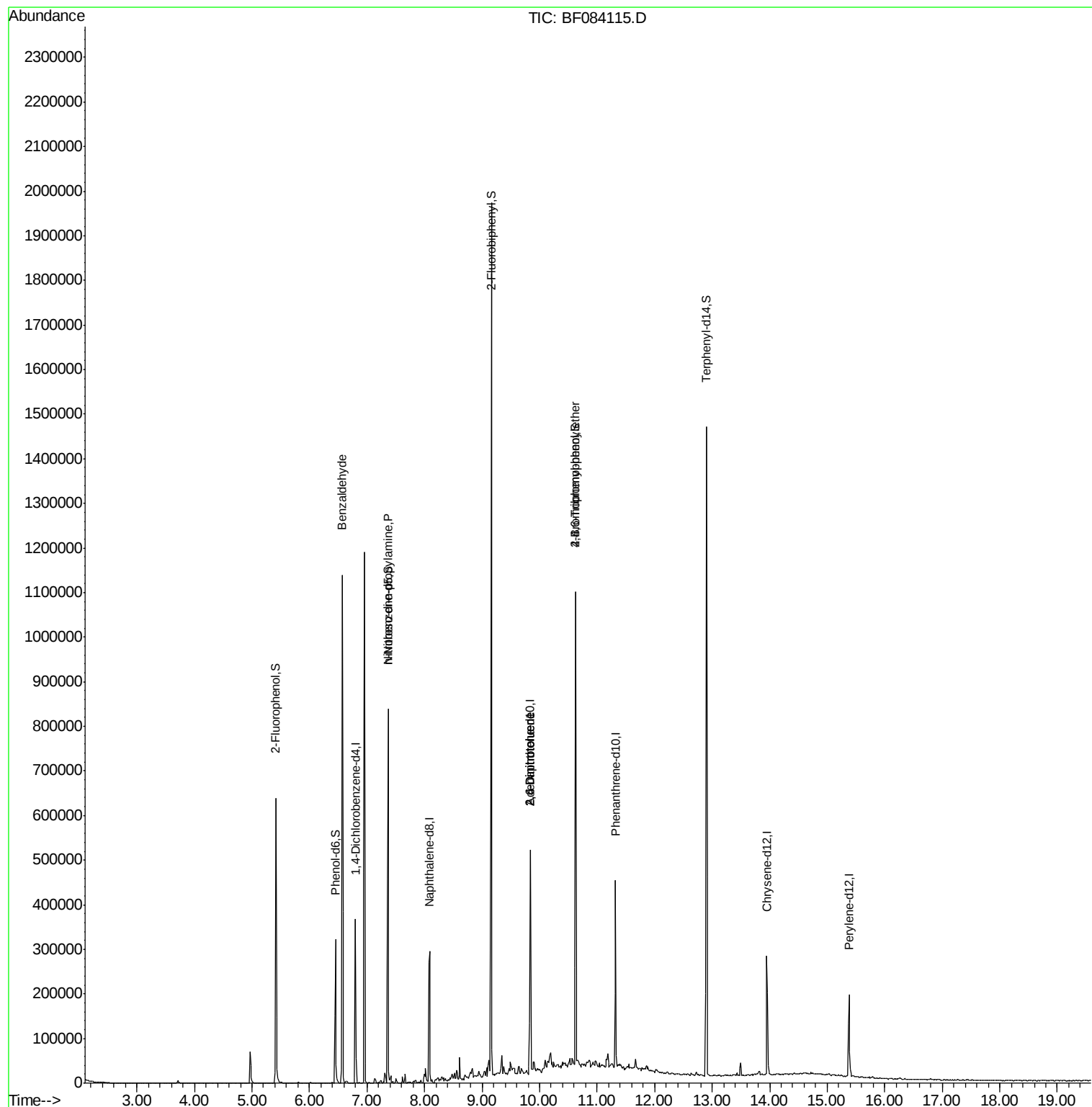
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	53531	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	197209	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	94508	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	163480	20.00	ng	0.00
75) Chrysene-d12	13.95	240	112388	20.00	ng	-0.01
86) Perylene-d12	15.38	264	96947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	187844	59.49	ng	0.00
7) Phenol-d6	6.45	99	139903	35.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	318130	94.43	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	120154	119.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	607472	87.95	ng	0.00
78) Terphenyl-d14	12.90	244	455051	73.26	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	7474	3.58	ng	# 81
19) n-Nitroso-di-n-propylamine	7.37	70	43382	18.03	ng	# 76
50) 2,6-Dinitrotoluene	9.84	165	12385	7.45	ng	# 37
56) 2,4-Dinitrotoluene	9.84	165	12385	5.65	ng	# 21
66) 4-Bromophenyl-phenylether	10.62	248	8271	4.37	ng	# 1
74) Fluoranthene	12.53	202	1249	Below Cal		63

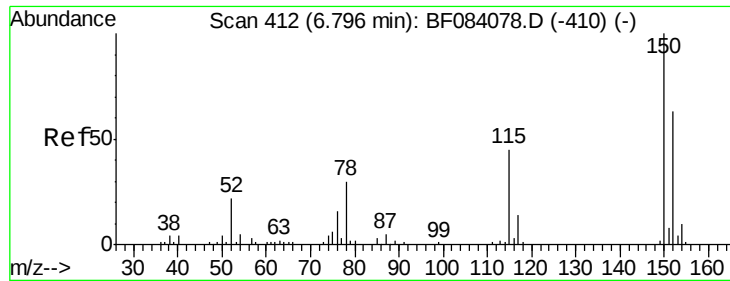
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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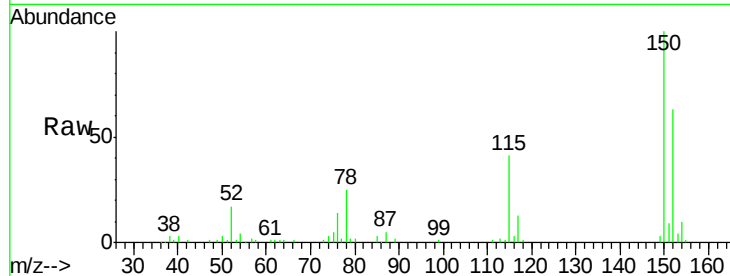


#1

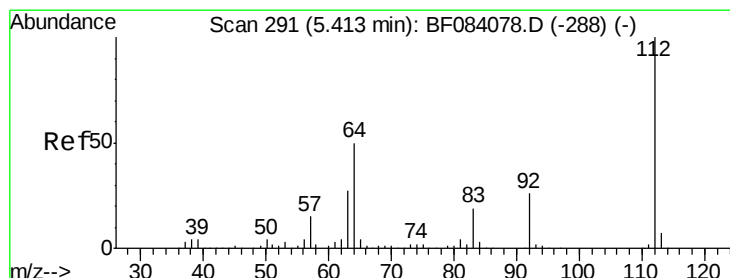
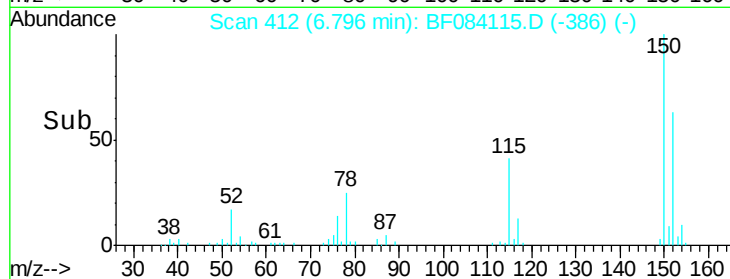
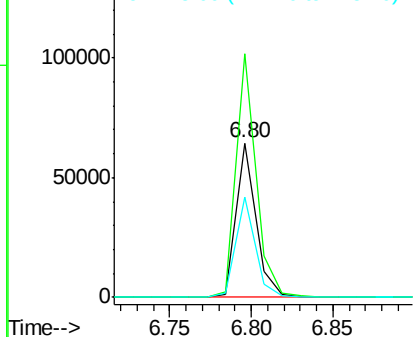
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF084115.D
Acq: 25 Dec 2015 8:21

Instrument :
BNA_F
ClientSampleId :
PZ-8-122215

Tgt Ion:152 Resp: 53531
Ion Ratio Lower Upper
152 100
150 158.1 123.0 184.4
115 65.2 51.4 77.2



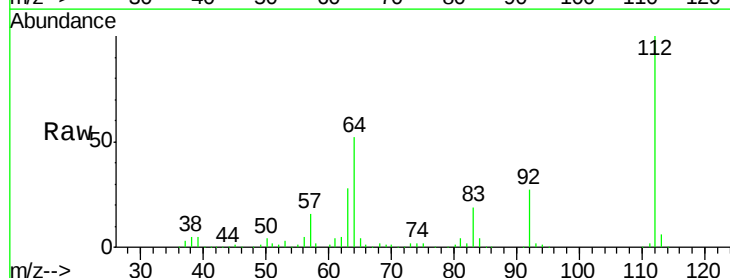
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



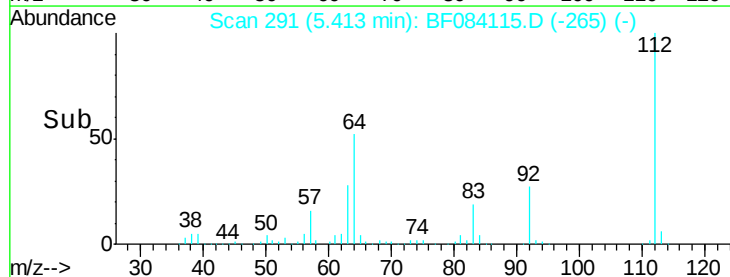
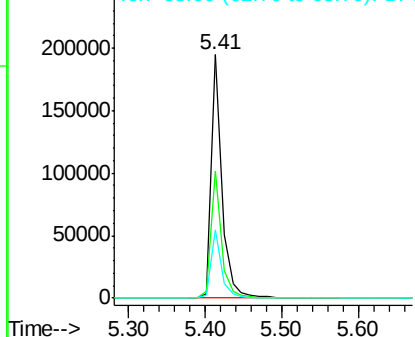
#5

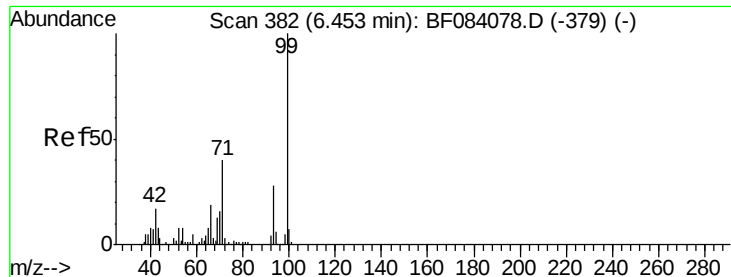
2-Fluorophenol
Concen: 59.49 ng
RT: 5.41 min Scan# 291
Delta R.T. 0.00 min
Lab File: BF084115.D
Acq: 25 Dec 2015 8:21

Tgt Ion:112 Resp: 187844
Ion Ratio Lower Upper
112 100
64 52.2 36.6 55.0
63 28.2 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: 35.81 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

Instrument :

BNA_F

ClientSampleId :

PZ-8-122215

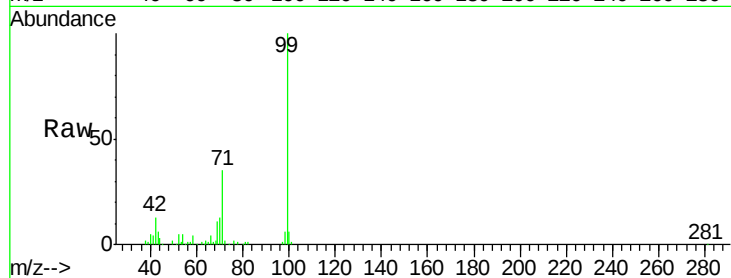
Tgt Ion: 99 Resp: 139903

Ion Ratio Lower Upper

99 100

42 12.8 12.8 19.2

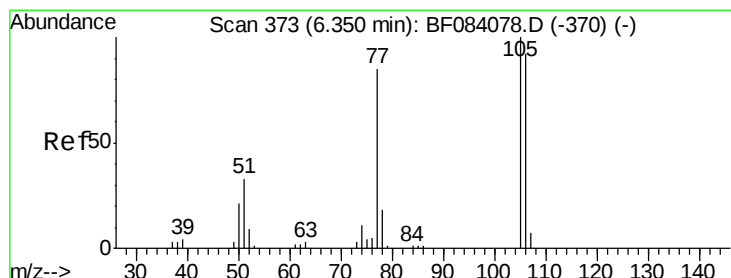
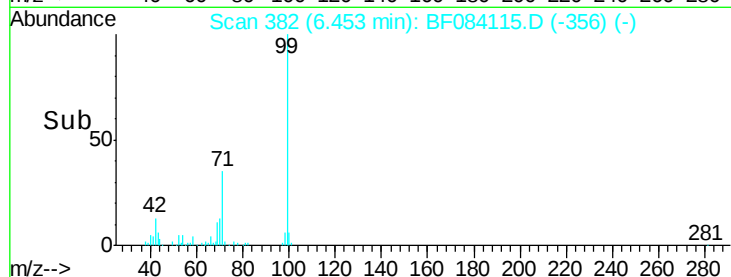
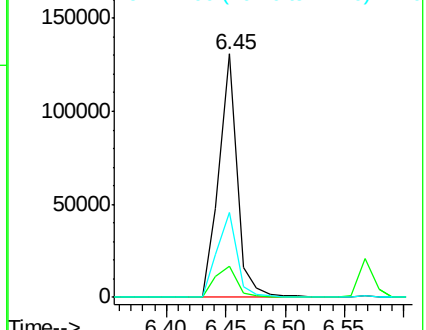
71 34.9 30.9 46.3



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: 3.58 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.22 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

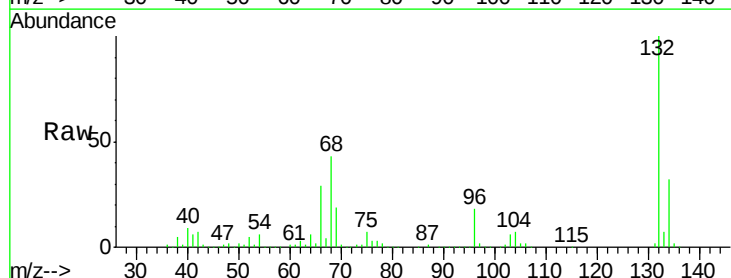
Tgt Ion: 77 Resp: 7474

Ion Ratio Lower Upper

77 100

105 81.5 83.0 123.0#

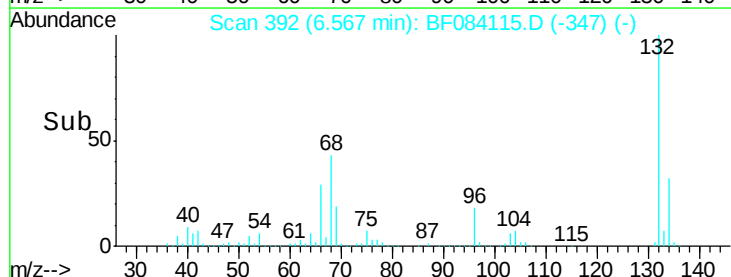
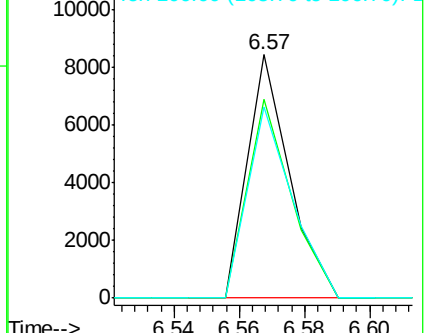
106 78.3 74.6 114.6

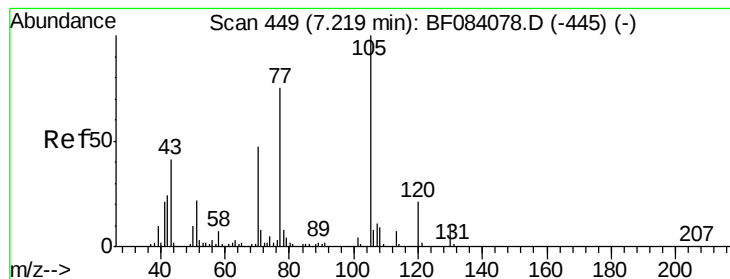


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 18.03 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.15 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

Instrument :

BNA_F

ClientSampleId :

PZ-8-122215

Tgt Ion: 70 Resp: 43382

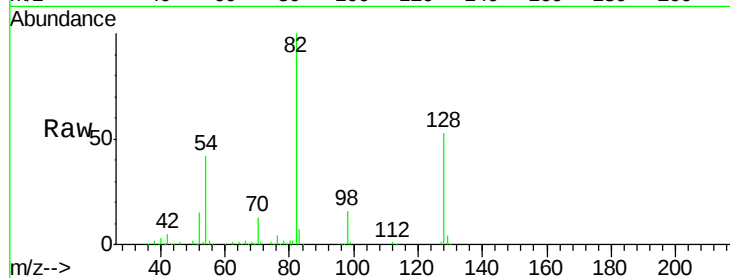
Ion Ratio Lower Upper

70 100

42 38.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.8 23.4 35.0#

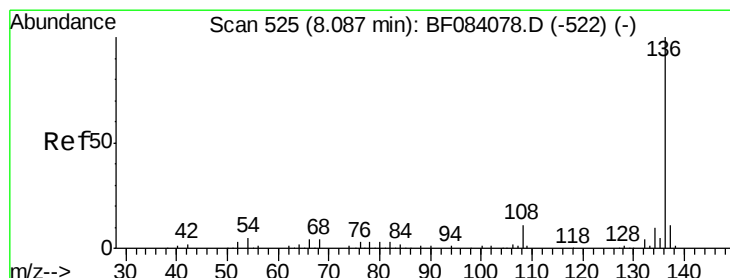
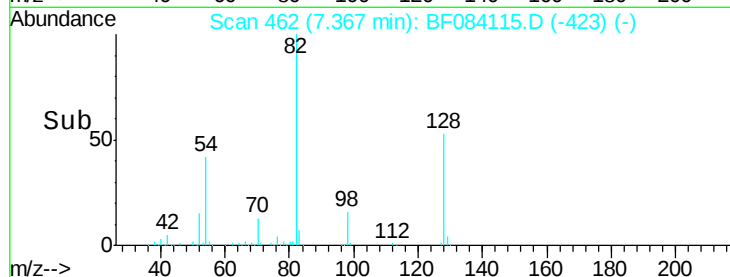
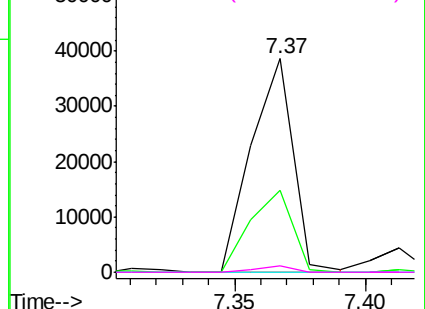


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.09 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

Tgt Ion: 136 Resp: 197209

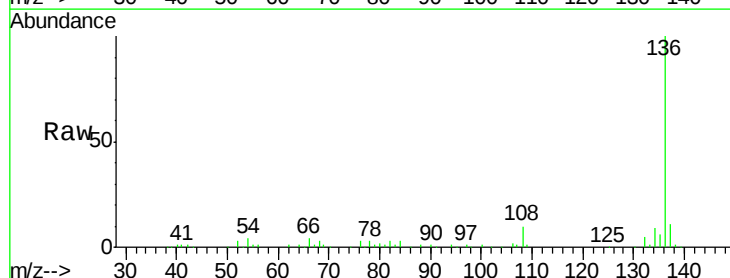
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 4.2 5.8 8.8#

68 3.3 4.2 6.2#

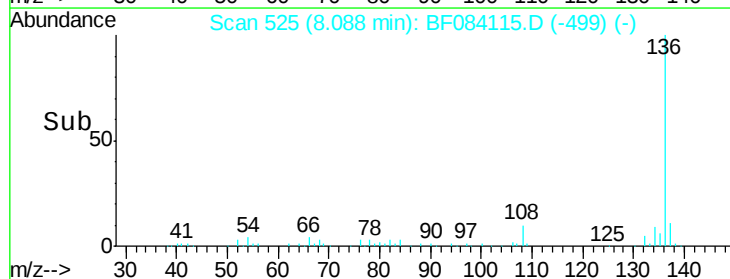
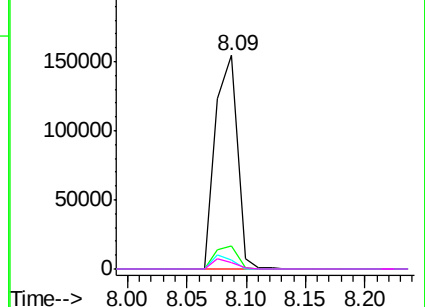


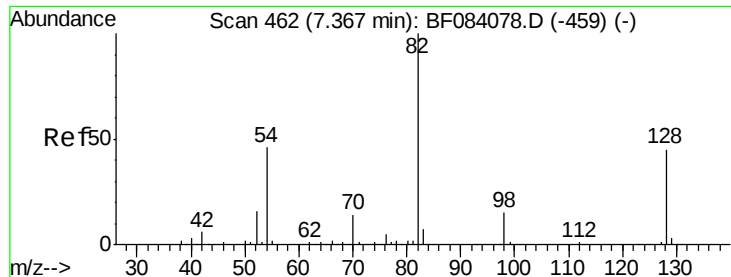
Abundance Ion 136.00 (135.70 to 136.70): E

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

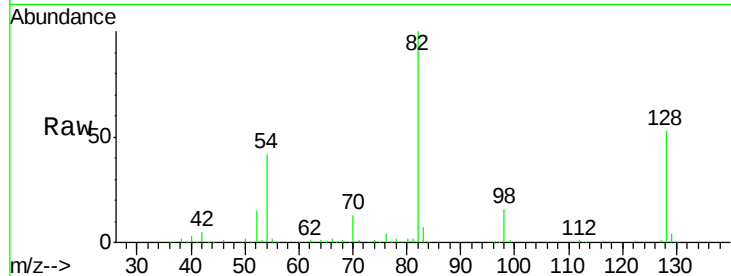




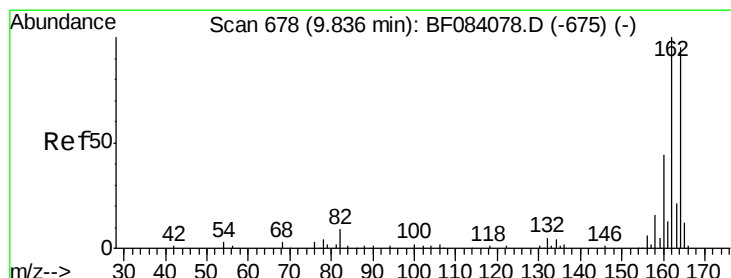
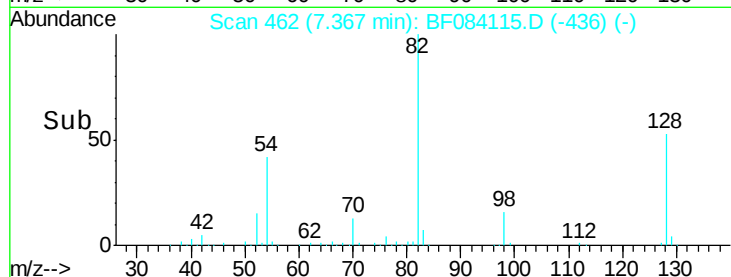
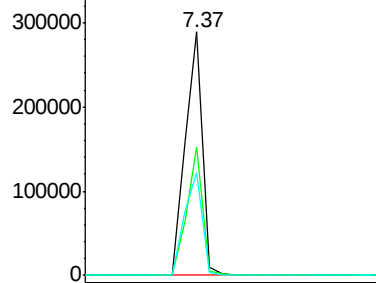
#23
 Nitrobenzene-d5
 Concen: 94.43 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PZ-8-122215

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.9	34.6	51.8#
54	42.5	38.4	57.6

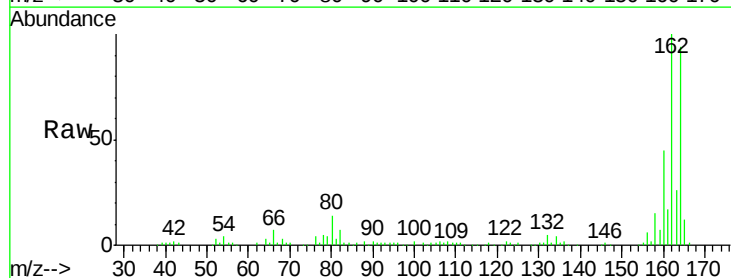


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

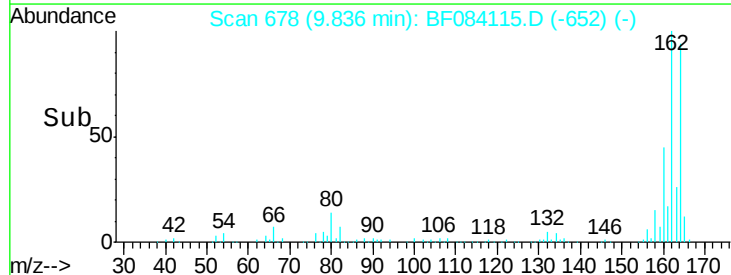
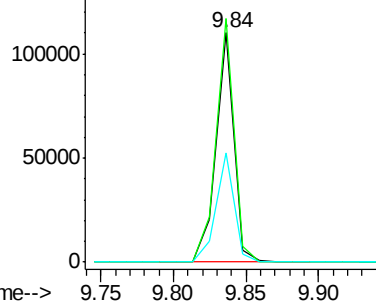


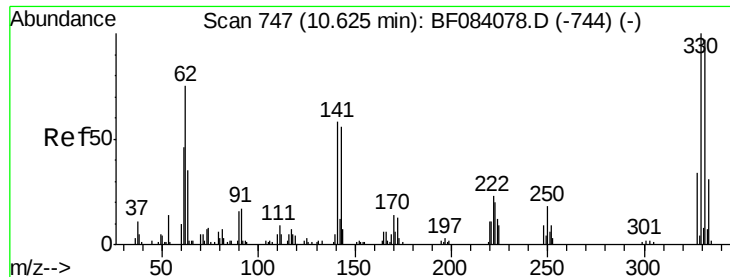
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	85.1	127.7
160	47.4	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

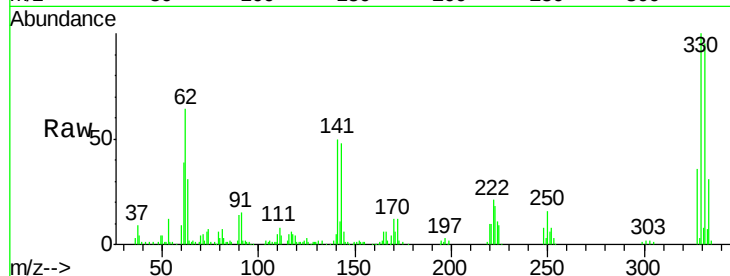




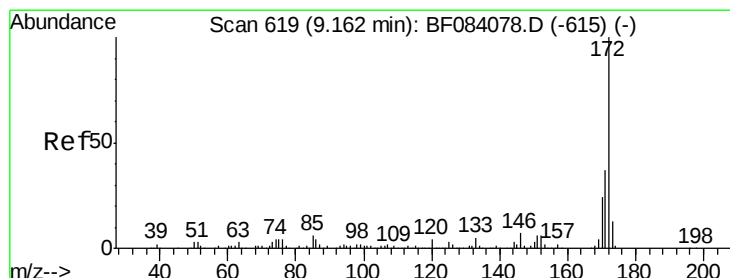
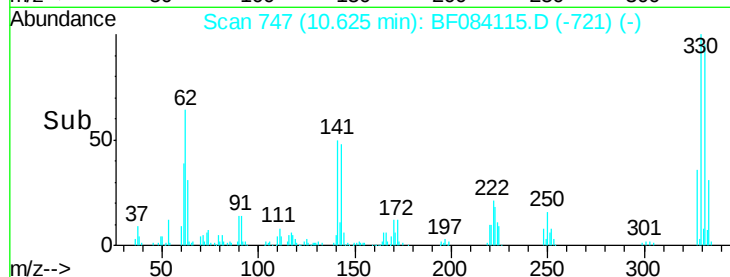
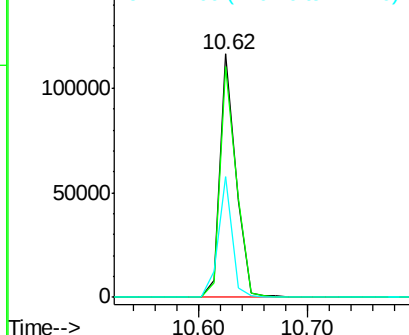
#41
 2,4,6-Tribromophenol
 Concen: 119.22 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PZ-8-122215

Tgt Ion:330 Resp: 120154
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 43.7 27.8 41.6#

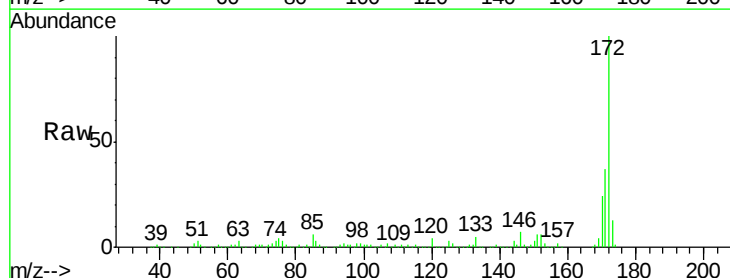


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

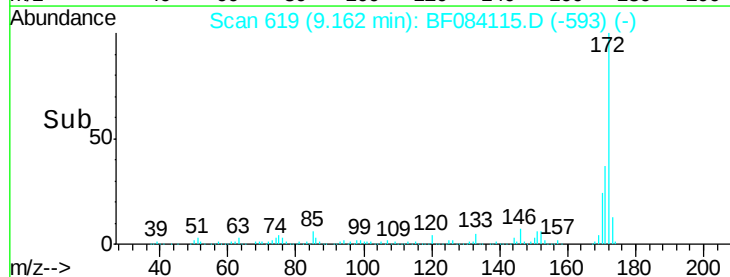
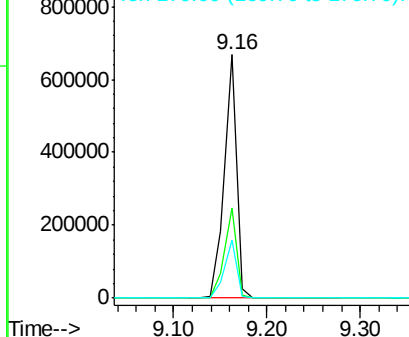


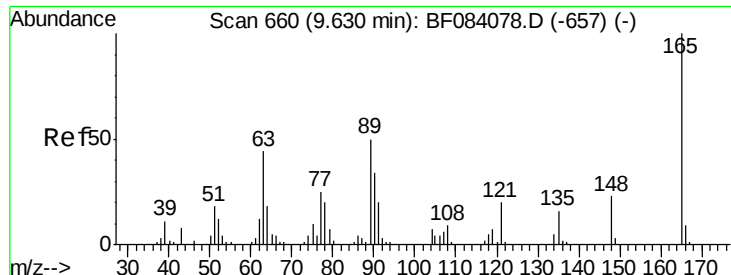
#44
 2-Fluorobiphenyl
 Concen: 87.95 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Tgt Ion:172 Resp: 607472
 Ion Ratio Lower Upper
 172 100
 171 36.8 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

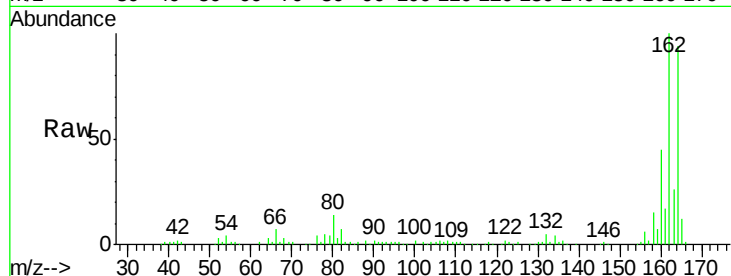




#50
 2,6-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.21 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Instrument :
 BNA_F
 ClientSampleId :
 PZ-8-122215

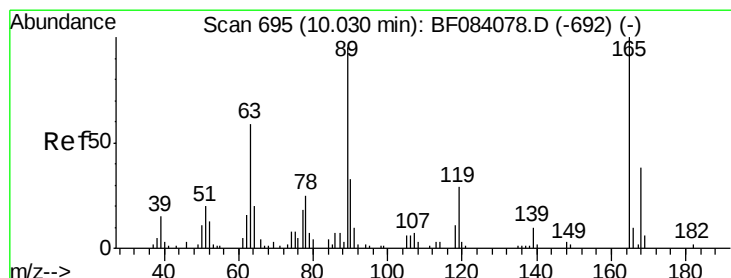
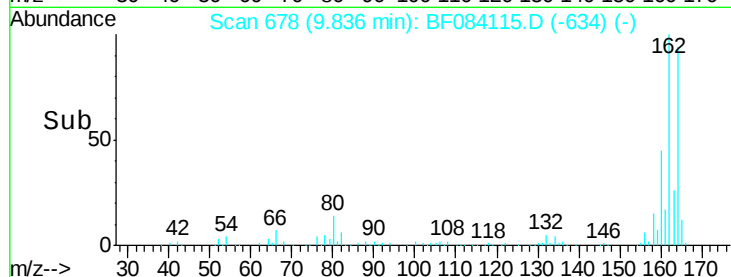
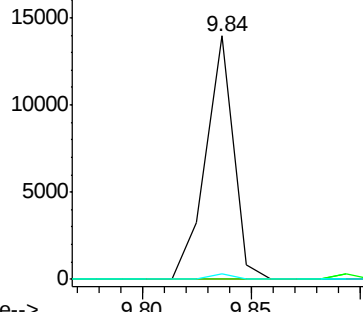
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	2.2	35.1	52.7#



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: 5.65 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.19 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

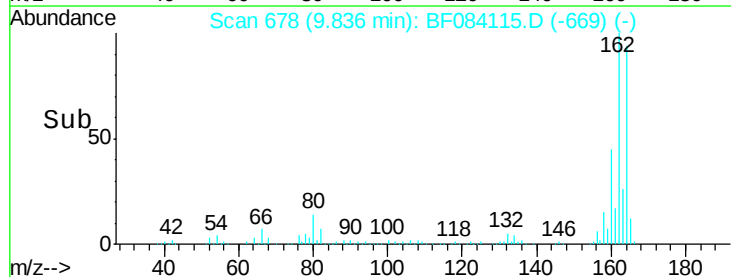
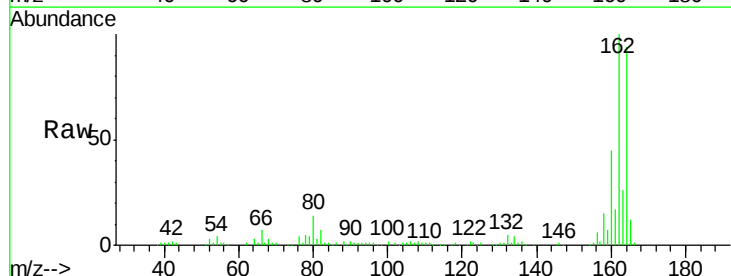
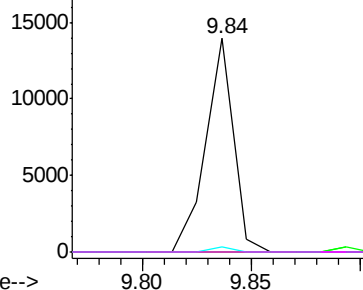
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	2.2	61.9	92.9#
182	0.0	2.0	3.0#

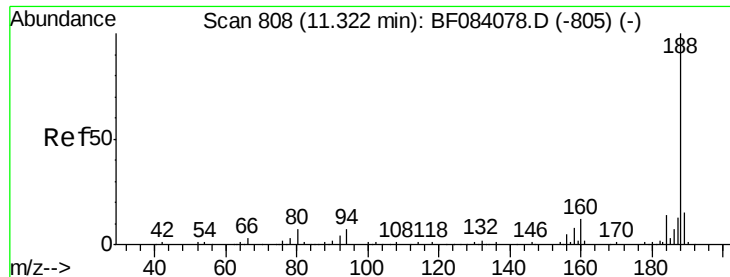
Abundance Ion 165.00 (164.70 to 165.70): E

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

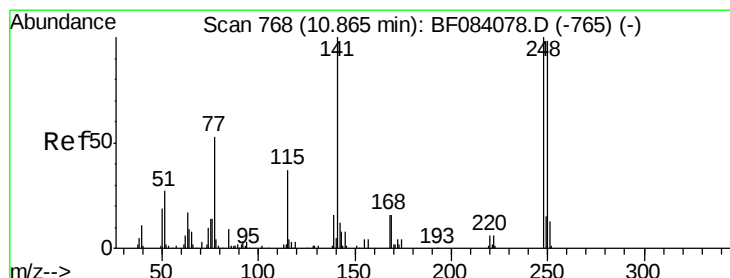
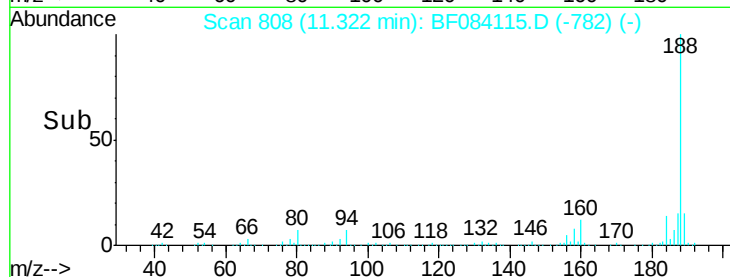
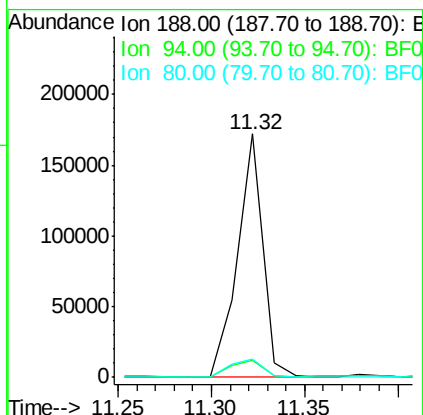
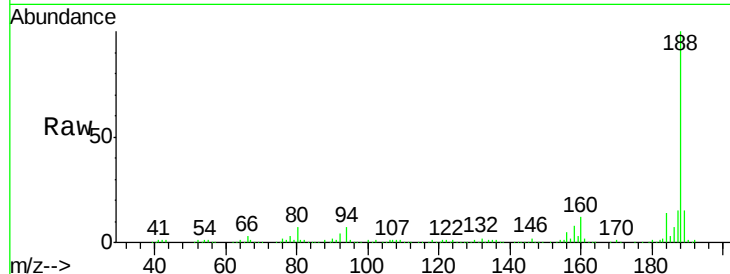




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

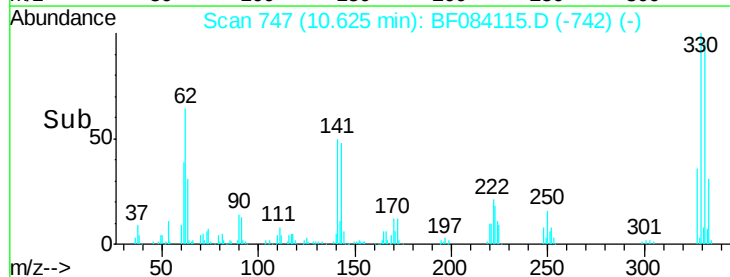
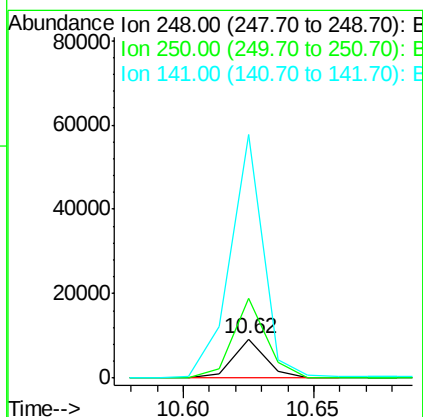
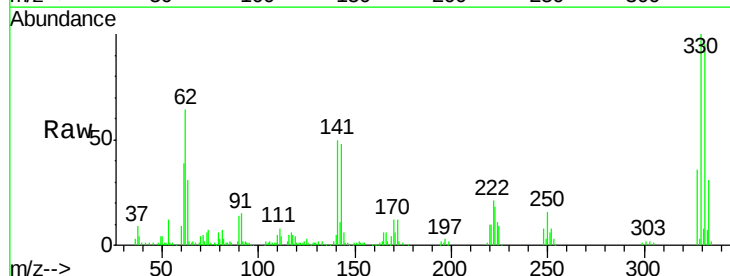
Instrument :
 BNA_F
 ClientSampleId :
 PZ-8-122215

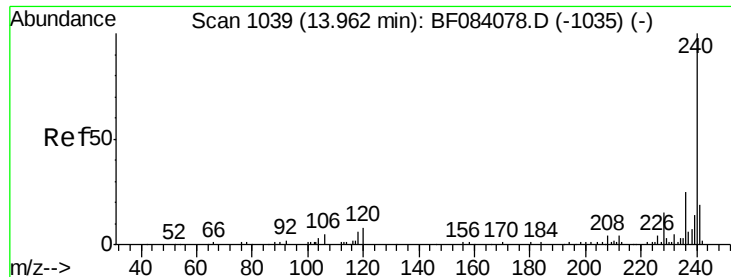
Tgt Ion:188 Resp: 163480
 Ion Ratio Lower Upper
 188 100
 94 6.9 9.0 13.4#
 80 7.4 9.6 14.4#



#66
 4-Bromophenyl-phenylether
 Concen: 4.37 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.24 min
 Lab File: BF084115.D
 Acq: 25 Dec 2015 8:21

Tgt Ion:248 Resp: 8271
 Ion Ratio Lower Upper
 248 100
 250 201.9 78.4 117.6#
 141 619.7 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

Instrument :

BNA_F

ClientSampleId :

PZ-8-122215

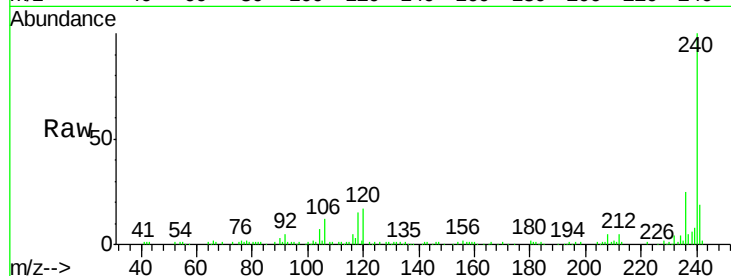
Tgt Ion:240 Resp: 112388

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

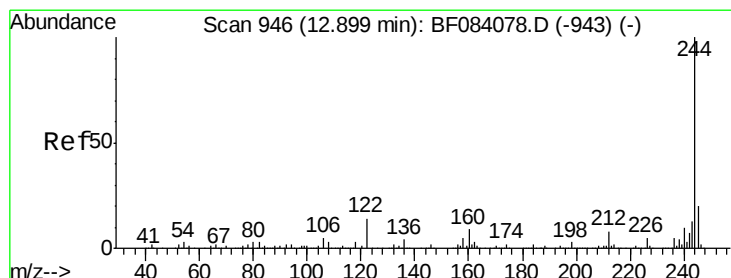
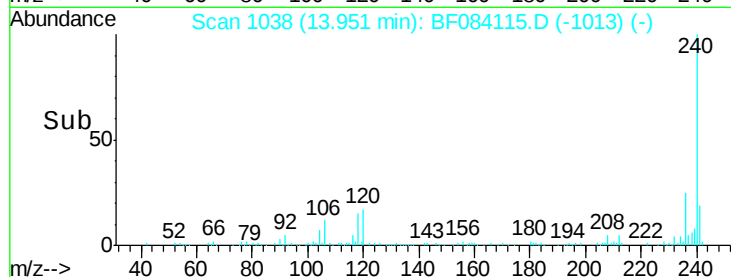
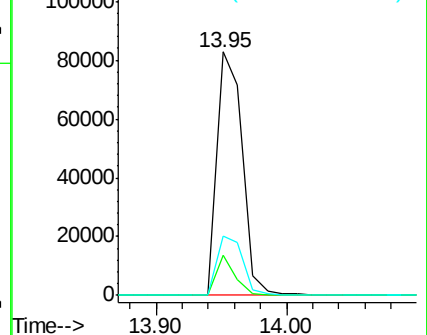
236 24.6 20.6 31.0



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: 73.26 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF084115.D

Acq: 25 Dec 2015 8:21

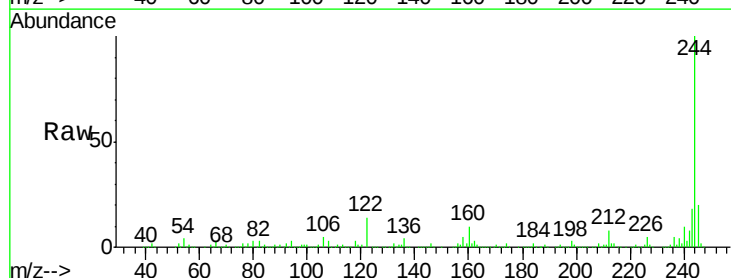
Tgt Ion:244 Resp: 455051

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

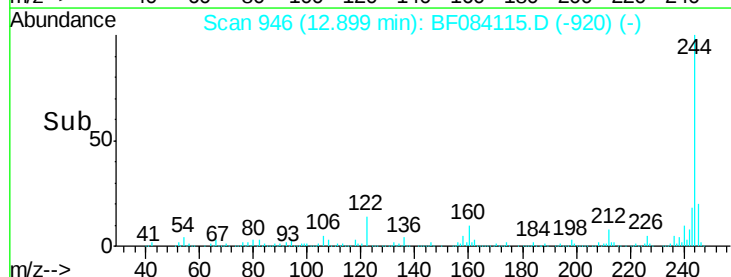
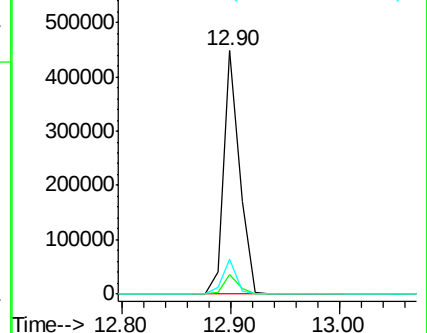
122 14.2 7.4 11.0#

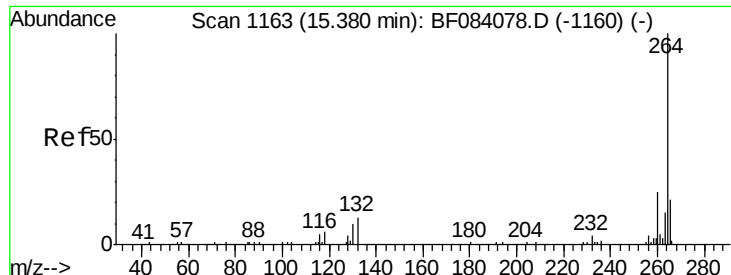


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

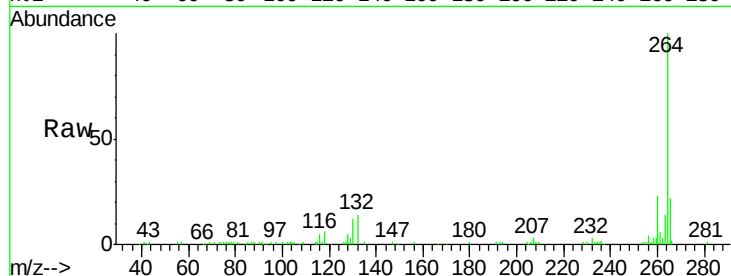




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF084115.D
Acq: 25 Dec 2015 8:21

Instrument :
BNA_F
ClientSampleId :
PZ-8-122215

Tgt Ion: 264 Resp: 96947
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 21.7 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

