

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084455.D
 Acq On : 13 Jan 2016 21:36
 Operator : SJ/UM
 Sample : PB87806TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87806TB

Quant Time: Jan 14 11:13:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

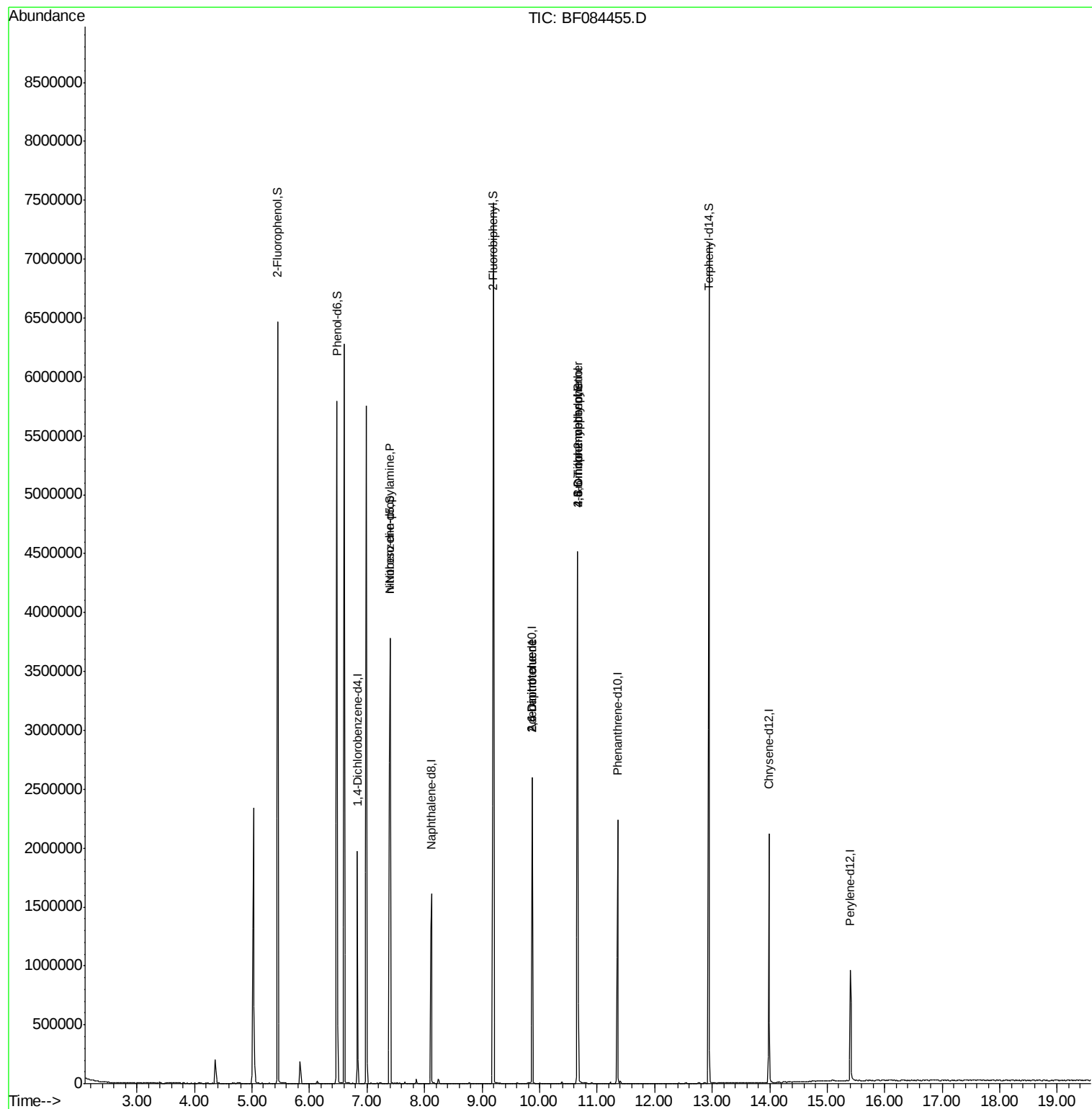
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	254720	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1020976	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	487909	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	924686	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	713661	20.00	ng	-0.08
86) Perylene-d12	15.40	264	474726	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1718315	109.11	ng	-0.04
7) Phenol-d6	6.48	99	2028419	102.56	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1582023	86.24	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	528521	107.30	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2264290	81.37	ng	-0.07
78) Terphenyl-d14	12.95	244	2247998	70.31	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	213373	15.94	ng	# 77
50) 2,6-Dinitrotoluene	9.87	165	62294	8.14	ng	# 37
56) 2,4-Dinitrotoluene	9.87	165	62297	6.43	ng	# 21
57) Fluorene	10.66	166	24237	Below Cal		# 91
64) 4,6-Dinitro-2-methylphenol	10.66	198	1094	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	33914	3.41	ng	# 1
73) Di-n-butylphthalate	11.92	149	1444	Below Cal		# 79

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

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Quant Time: Jan 14 11:13:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Instrument :

BNA_F

ClientSampleId :

PB87806TB

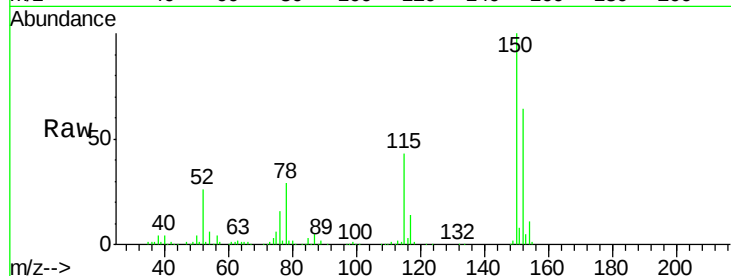
Tot Ion:152 Resp: 254720

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

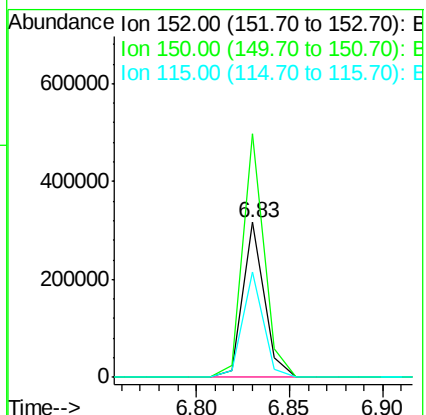
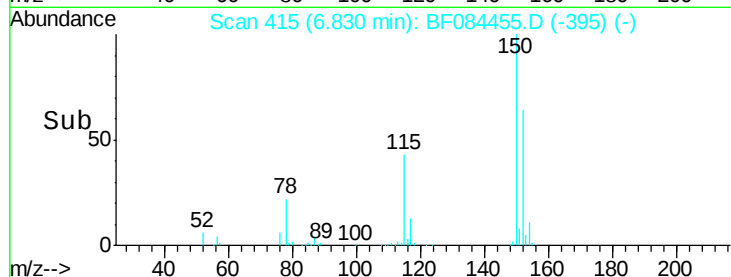
115 68.0 51.4 77.2



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: 109.11 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

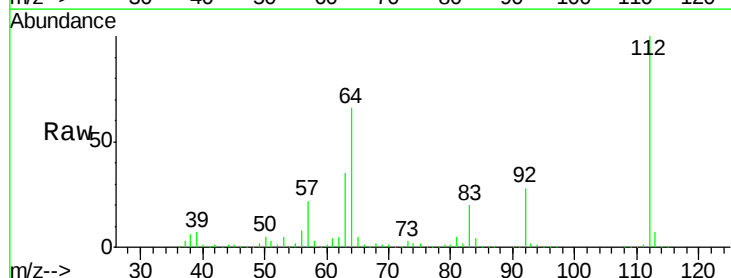
Tgt Ion:112 Resp: 1718315

Ion Ratio Lower Upper

112 100

64 65.8 36.6 55.0#

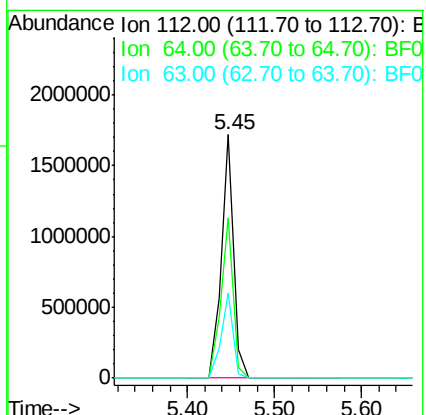
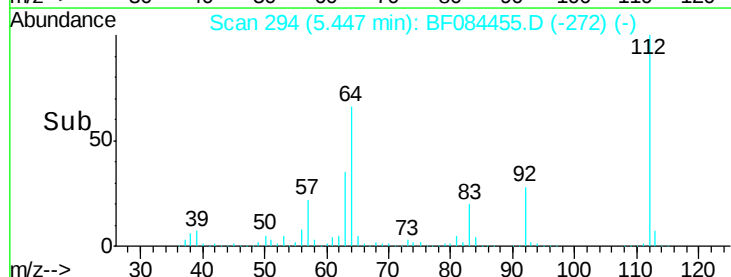
63 34.7 19.4 29.0#

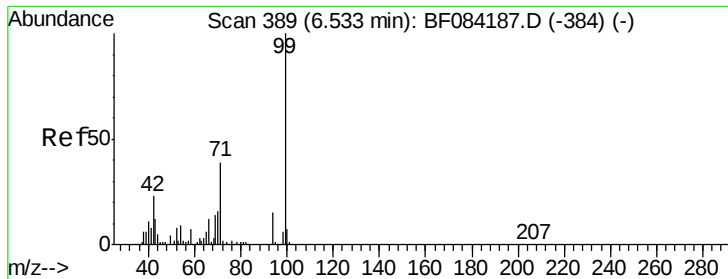


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.56 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Instrument :

BNA_F

ClientSampleId :

PB87806TB

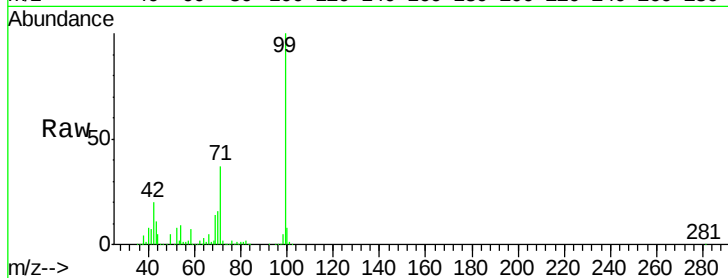
Tot Ion: 99 Resp: 2028419

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

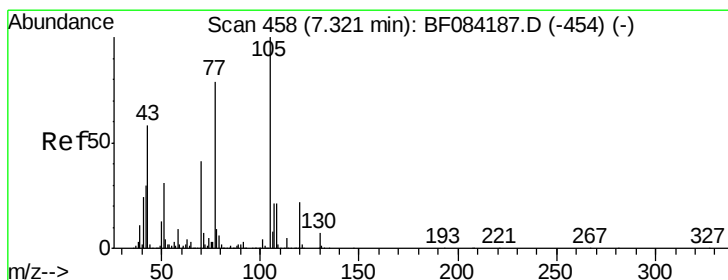
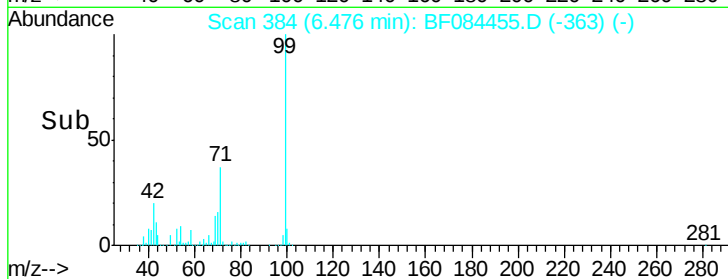
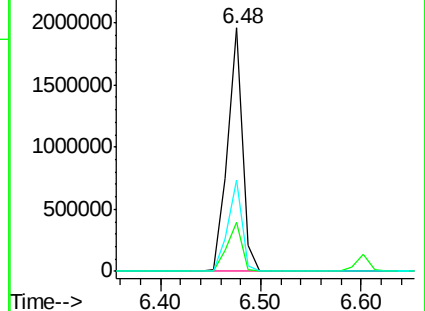
71 37.4 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.94 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Tgt Ion: 70 Resp: 213373

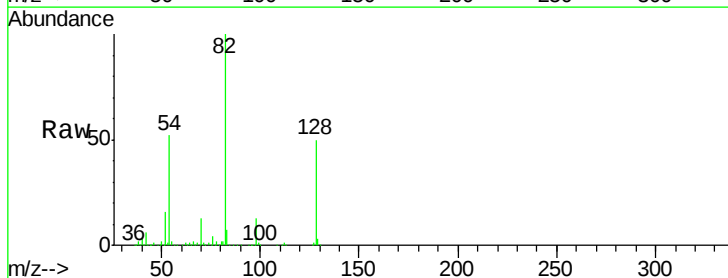
Ion Ratio Lower Upper

70 100

42 43.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

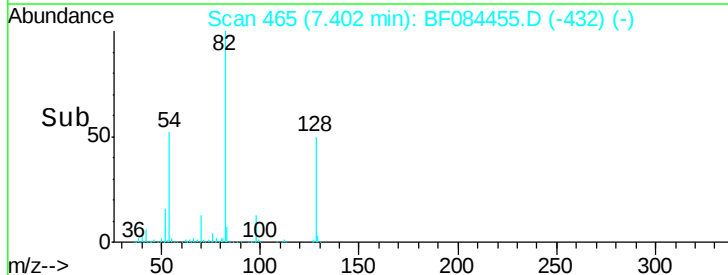
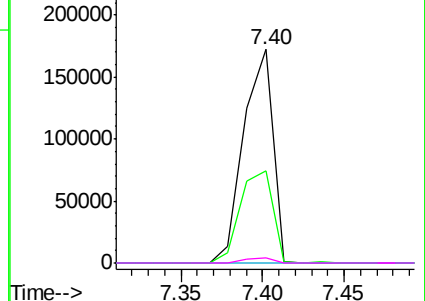


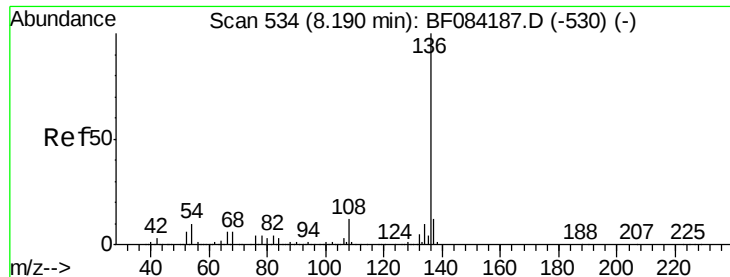
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

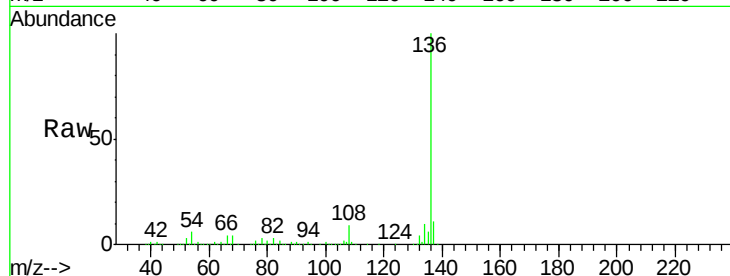




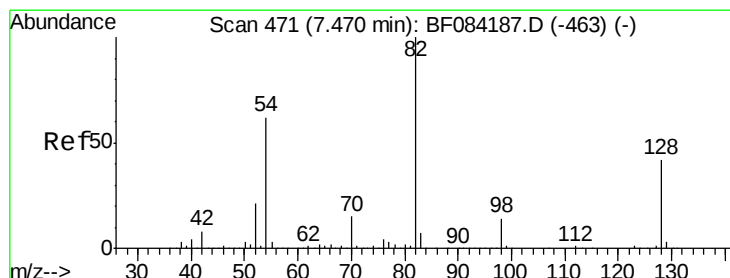
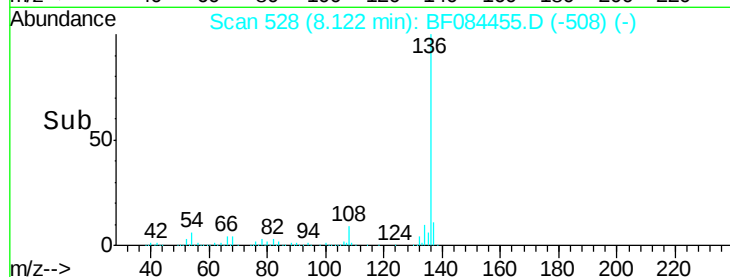
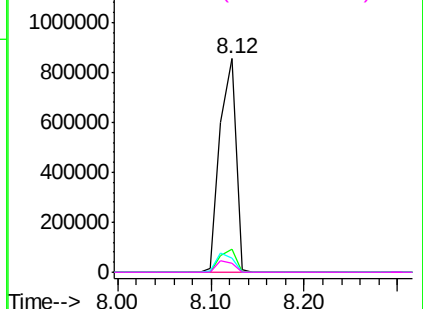
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Instrument :
BNA_F
ClientSampleId :
PB87806TB

Tot Ion:136 Resp: 1020976
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.5 5.8 8.8
68 4.3 4.2 6.2

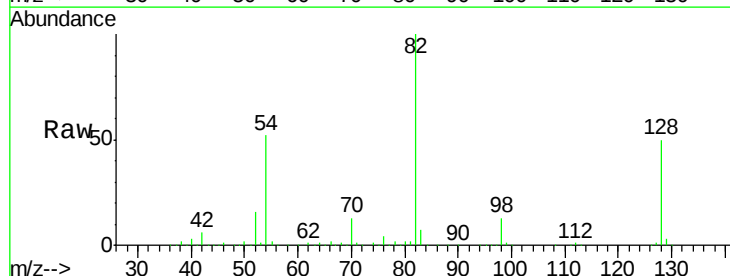


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

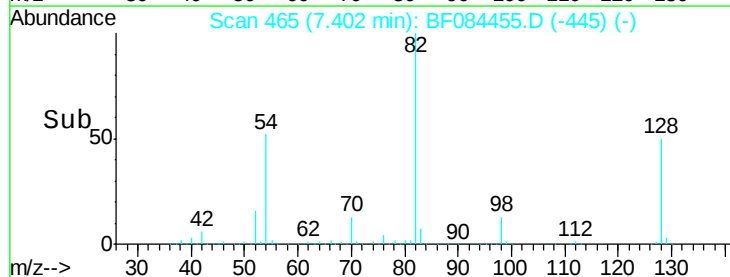
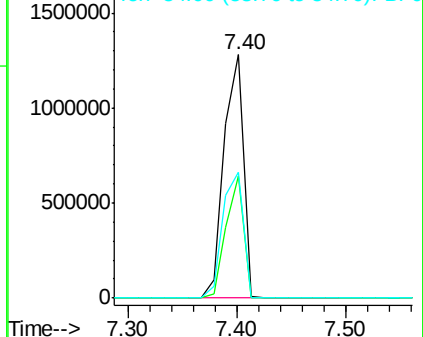


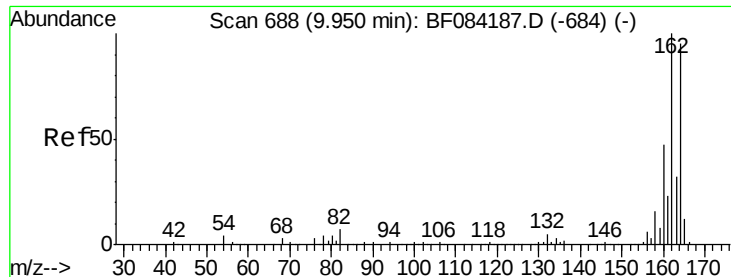
#23
Nitrobenzene-d5
Concen: 86.24 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.07 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Tgt Ion: 82 Resp: 1582023
Ion Ratio Lower Upper
82 100
128 50.3 34.6 51.8
54 51.7 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Instrument :

BNA_F

ClientSampleId :

PB87806TB

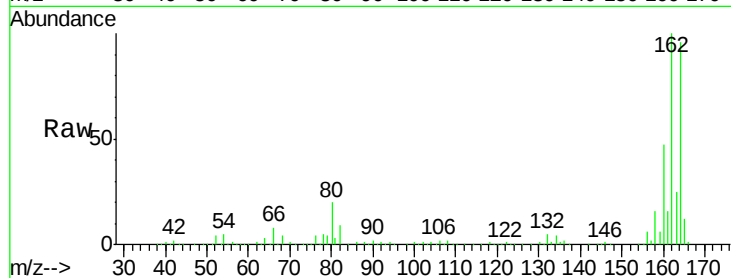
Tot Ion:164 Resp: 487909

Ion Ratio Lower Upper

164 100

162 104.5 85.1 127.7

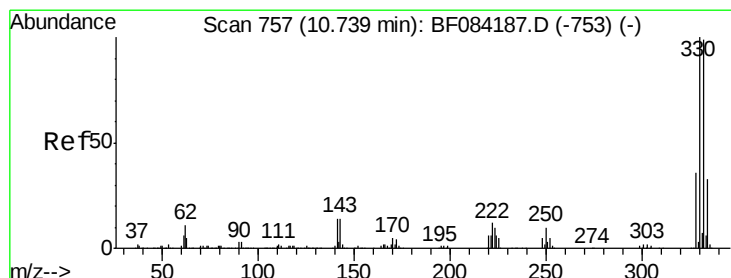
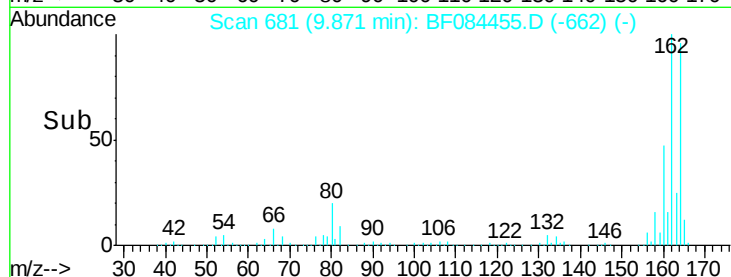
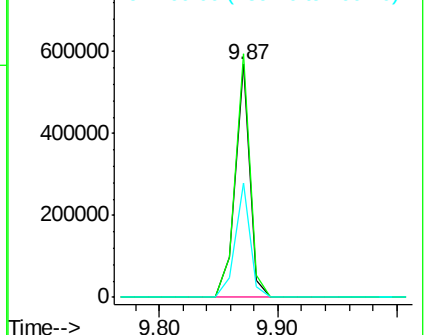
160 48.9 37.5 56.3



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: 107.30 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.08 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

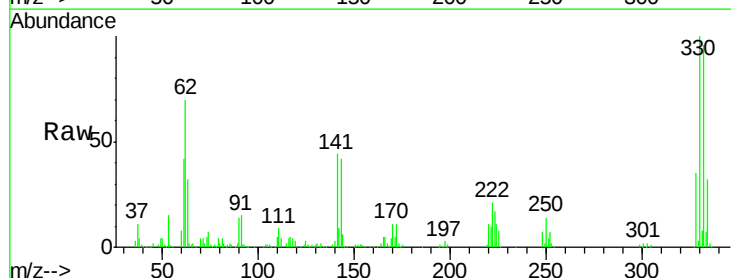
Tgt Ion:330 Resp: 528521

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

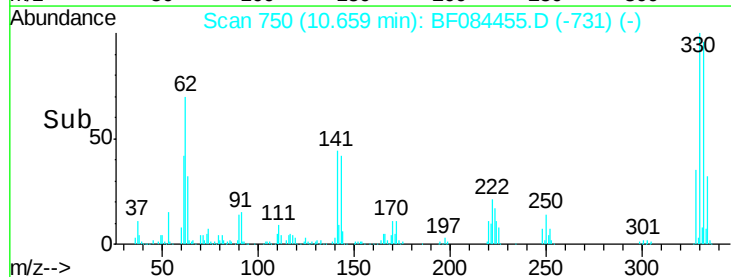
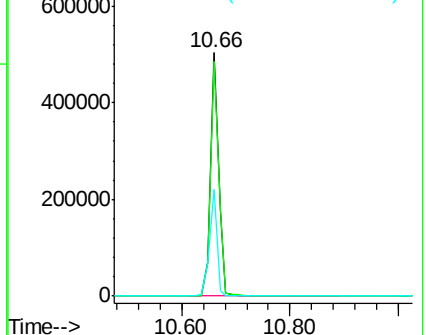
141 39.7 27.8 41.6

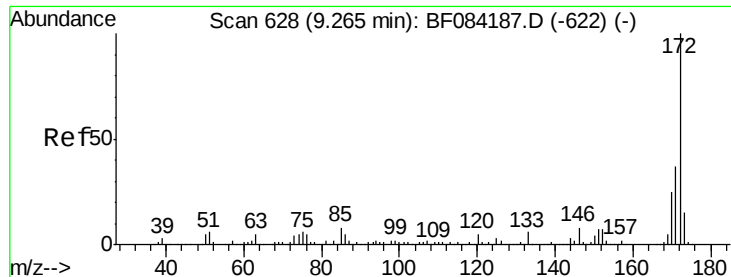


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

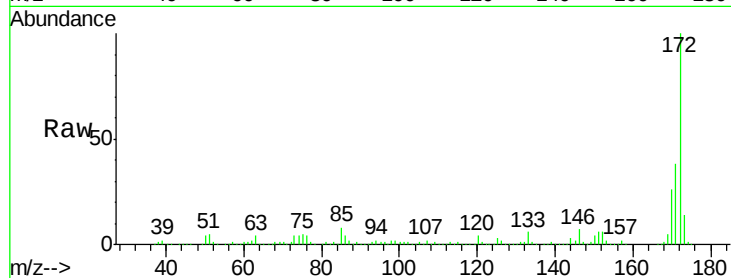




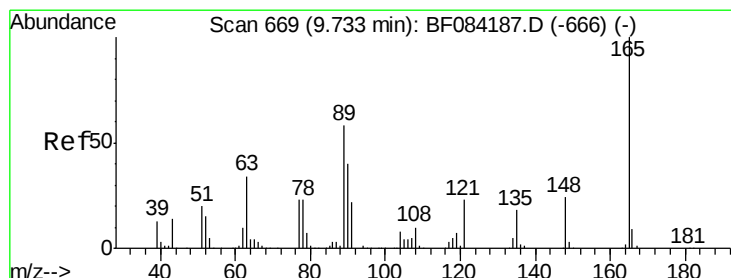
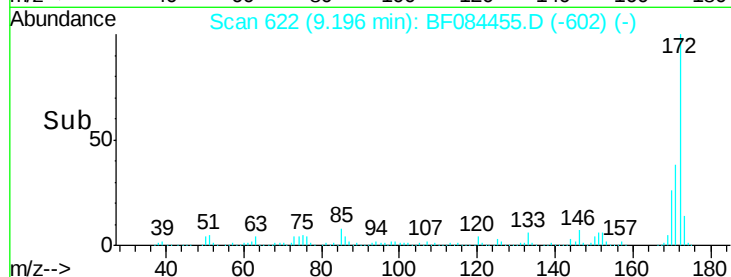
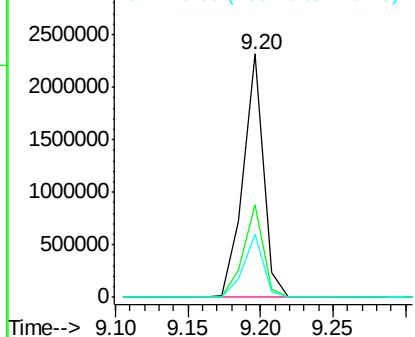
#44
2-Fluorobiphenyl
Concen: 81.37 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.07 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Instrument :
BNA_F
ClientSampleId :
PB87806TB

Tot Ion:172 Resp: 2264290
Ion Ratio Lower Upper
172 100
171 38.1 28.9 43.3
170 25.9 18.6 27.8

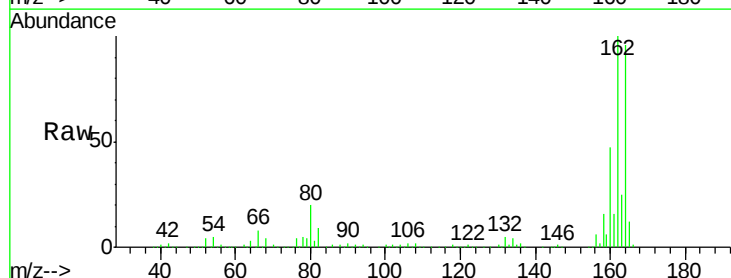


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

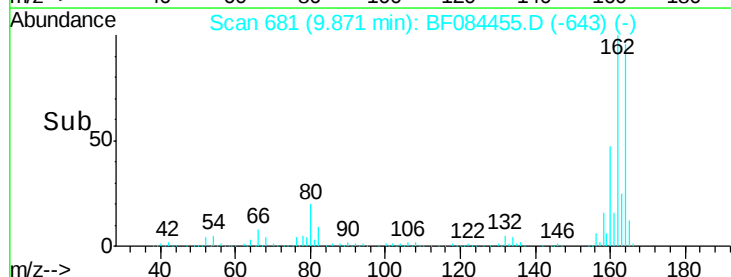
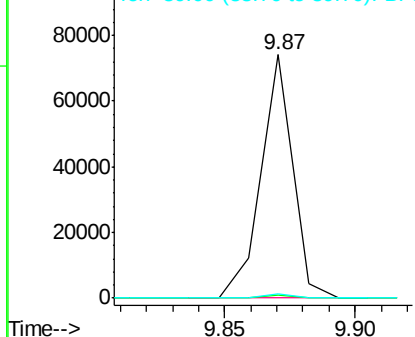


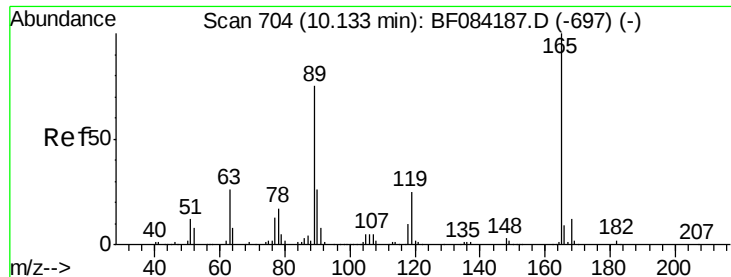
#50
2,6-Dinitrotoluene
Concen: 8.14 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.14 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Tgt Ion:165 Resp: 62294
Ion Ratio Lower Upper
165 100
63 1.1 28.8 43.2#
89 1.7 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

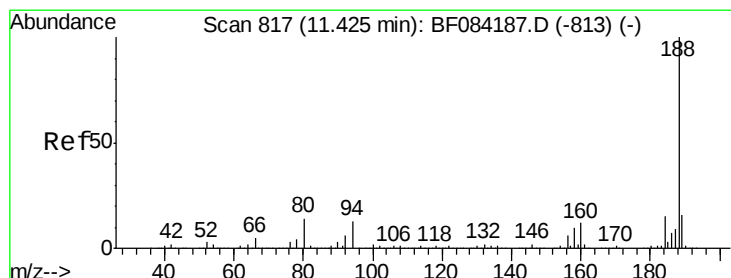
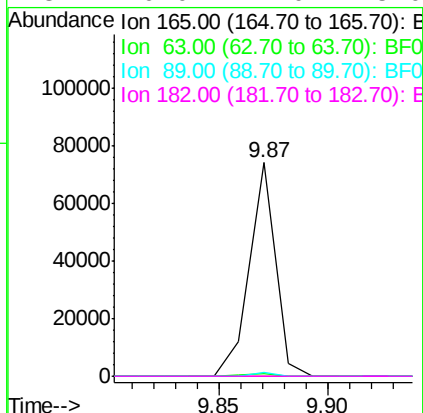
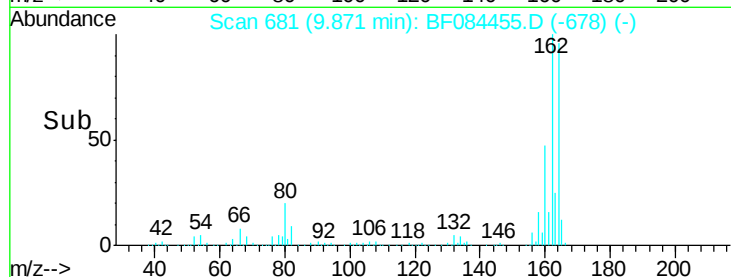
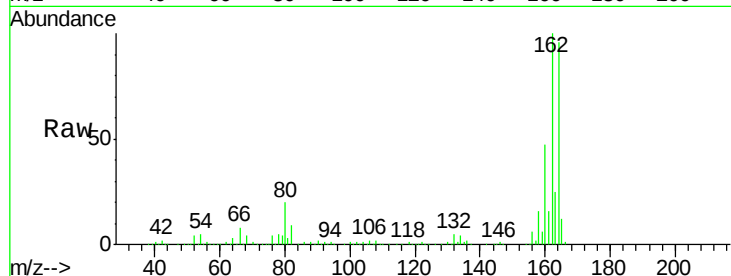




#56
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.26 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

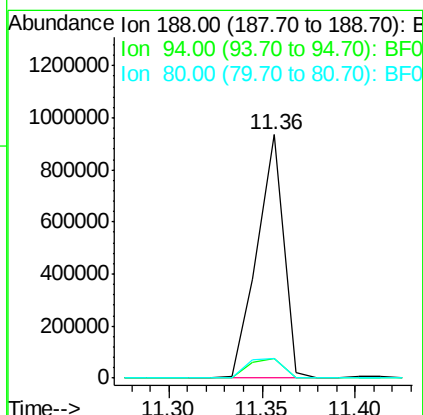
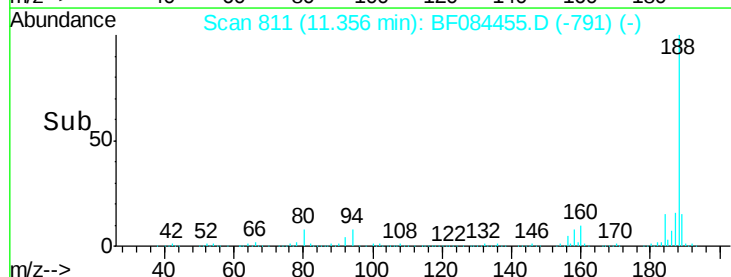
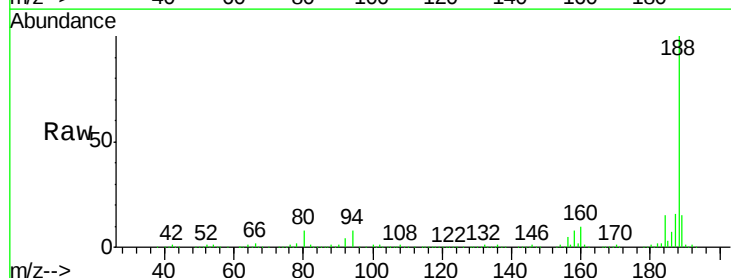
Instrument :
BNA_F
ClientSampled :
PB87806TB

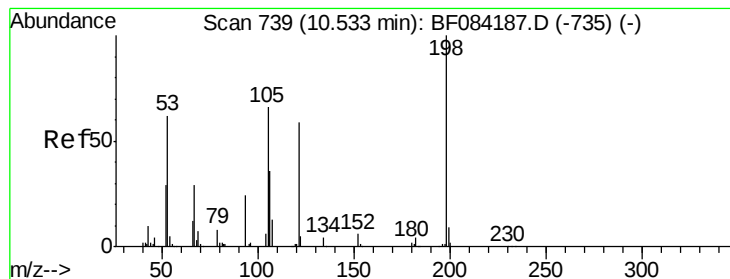
Tot Ion:165 Resp: 62297
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.7 61.9 92.9#
182 0.0 2.0 3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.07 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Tgt Ion:188 Resp: 924686
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.4#
80 7.8 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.57 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.13 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Instrument :

BNA_F

ClientSampleId :

PB87806TB

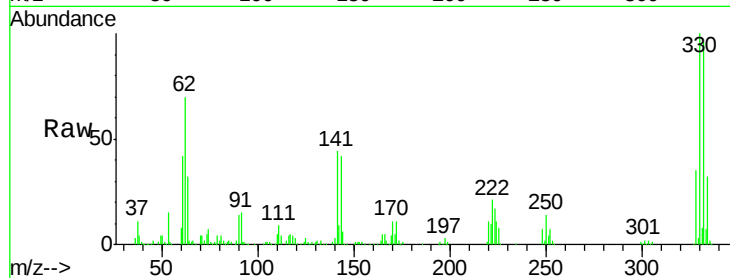
Tot Ion:198 Resp: 1094

Ion Ratio Lower Upper

198 100

51 216.1 18.9 58.9#

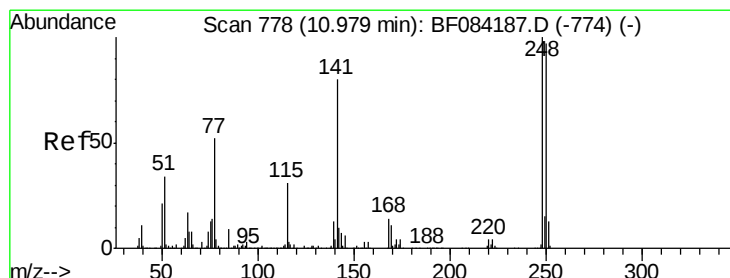
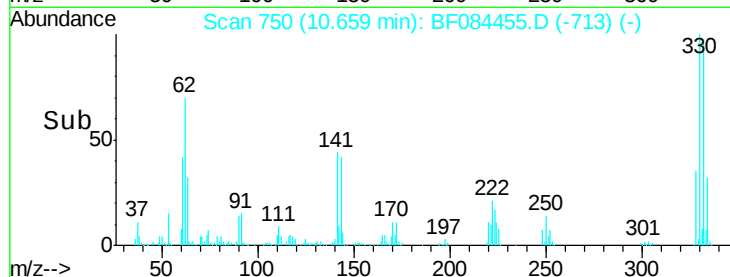
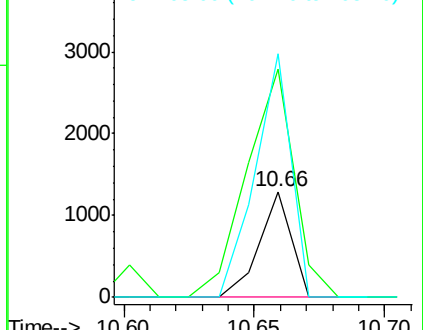
105 230.6 26.4 66.4#



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: 3.41 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.32 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

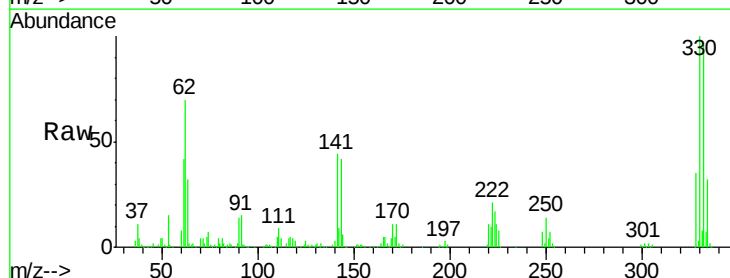
Tgt Ion:248 Resp: 33914

Ion Ratio Lower Upper

248 100

250 195.9 78.4 117.6#

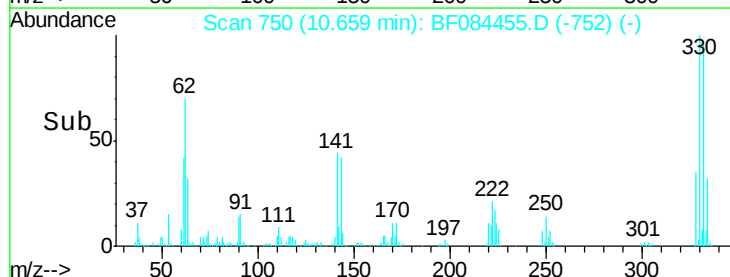
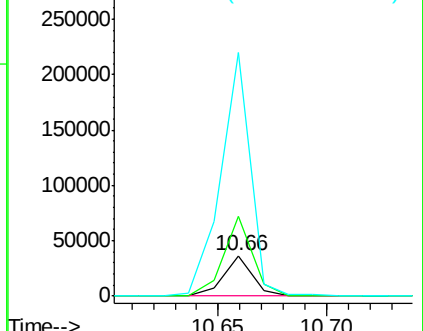
141 598.8 44.0 66.0#

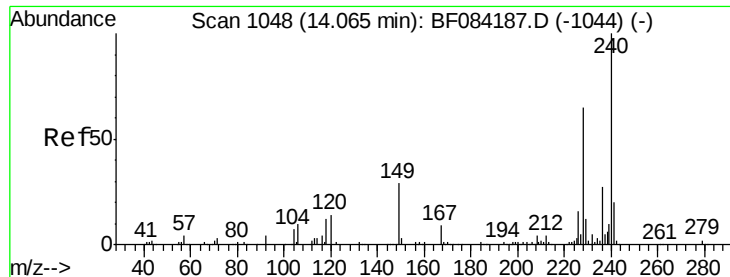


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.08 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

Instrument :

BNA_F

ClientSampleId :

PB87806TB

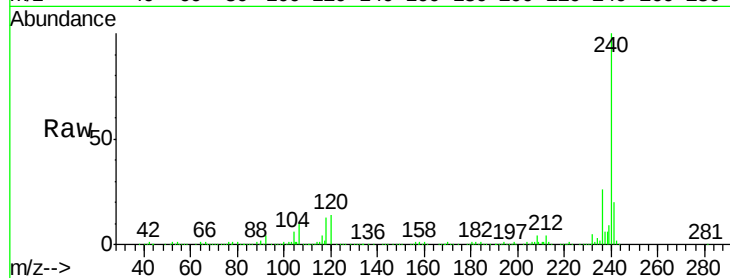
Tot Ion:240 Resp: 713661

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

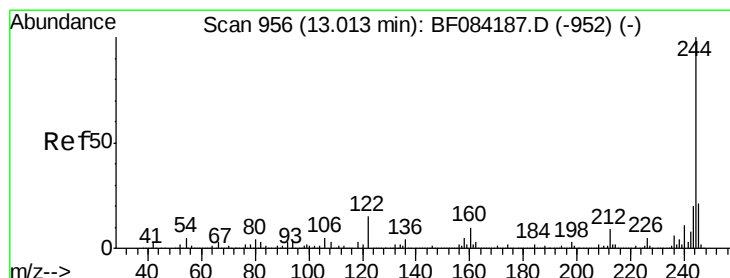
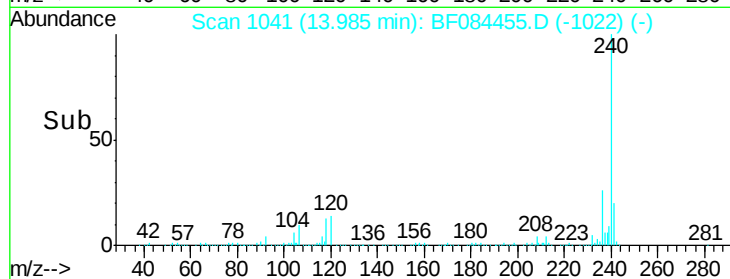
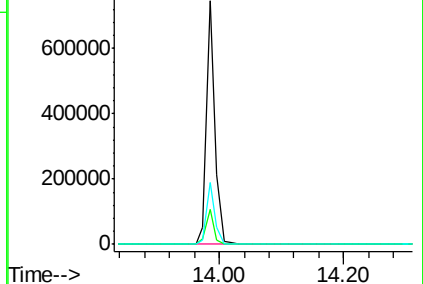
236 25.6 20.6 31.0



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: 70.31 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084455.D

Acq: 13 Jan 2016 21:36

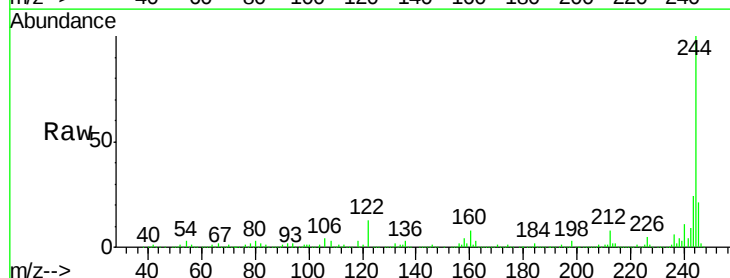
Tgt Ion:244 Resp: 2247998

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

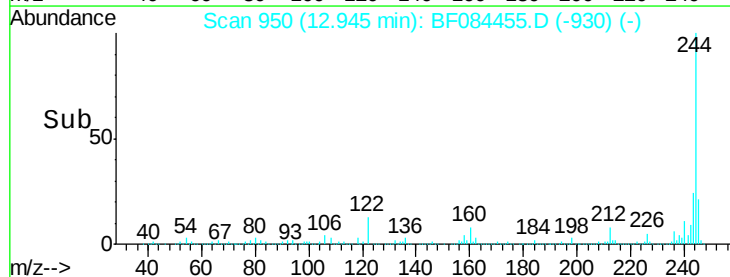
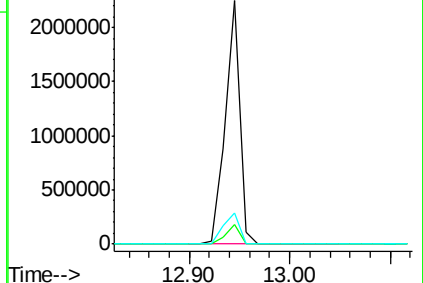
122 12.9 7.4 11.0#

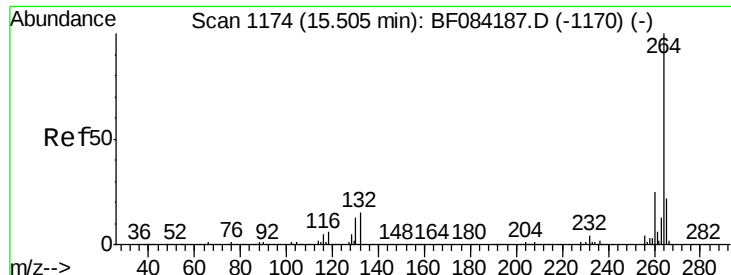


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

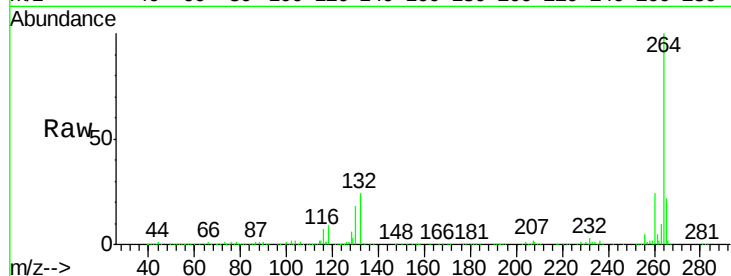




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.10 min
Lab File: BF084455.D
Acq: 13 Jan 2016 21:36

Instrument :
BNA_F
ClientSampleId :
PB87806TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.2	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

