

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084245.D
 Acq On : 4 Jan 2016 18:07
 Operator : UM/SJ
 Sample : PB87615TB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87615TB

Quant Time: Jan 05 01:29:49 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

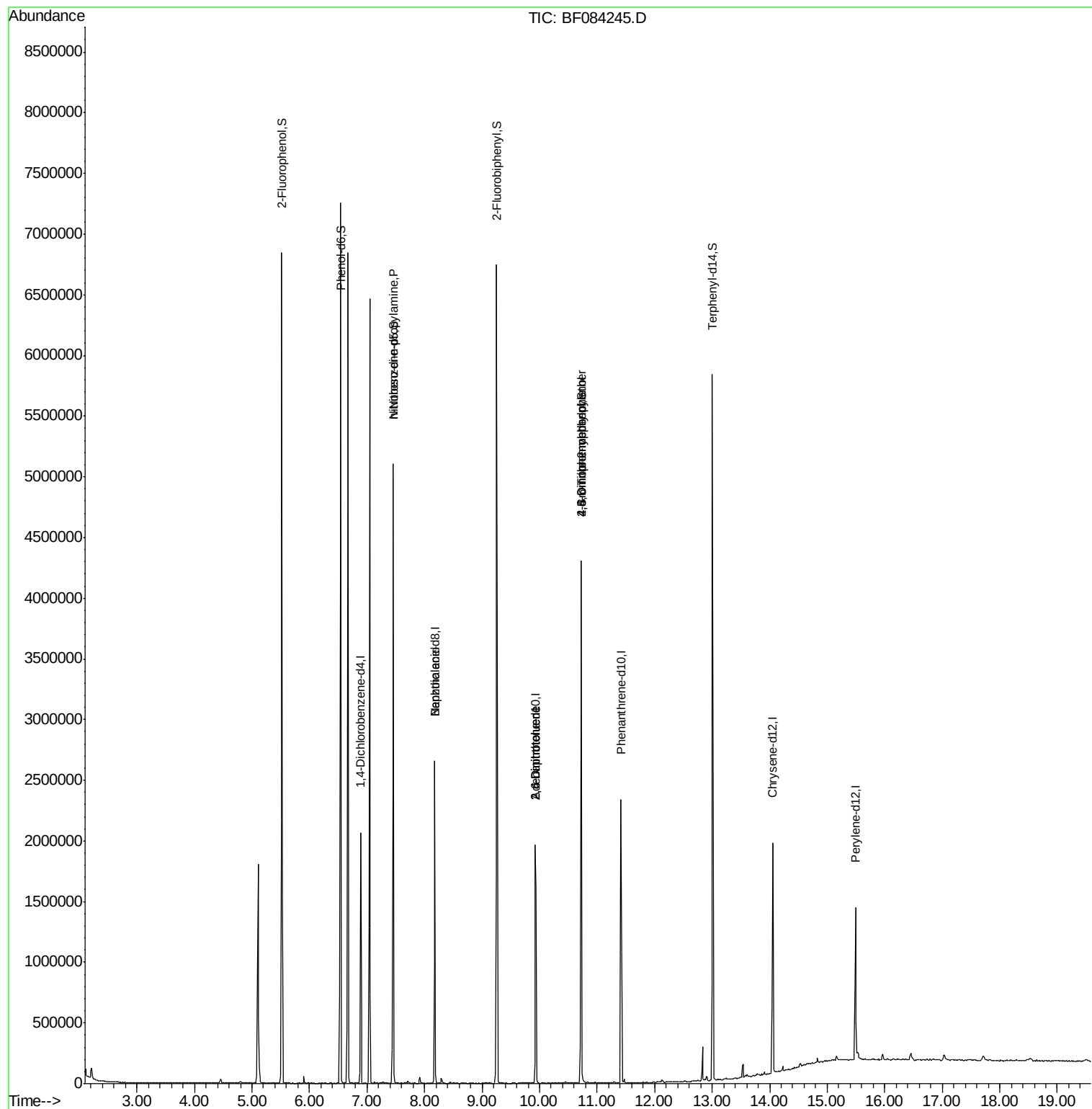
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	288631	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1247187	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	537461	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	950656	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	662238	20.00	ng	-0.01
86) Perylene-d12	15.49	264	604436	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1989859	111.51	ng	0.02
7) Phenol-d6	6.54	99	2764799	123.37	ng	0.01
23) Nitrobenzene-d5	7.46	82	1777056	79.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	679224	125.18	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2760422	90.78	ng	-0.01
78) Terphenyl-d14	13.00	244	2155244	72.65	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	253337	16.70	ng	# 69
32) Benzoic acid	8.18	122	231	6.26	ng	# 1
50) 2,6-Dinitrotoluene	9.93	165	67599	8.02	ng	# 38
56) 2,4-Dinitrotoluene	9.93	165	67603	6.34	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.73	198	1784	6.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	44689	4.37	ng	# 1
73) Di-n-butylphthalate	11.98	149	969	Below Cal		# 79

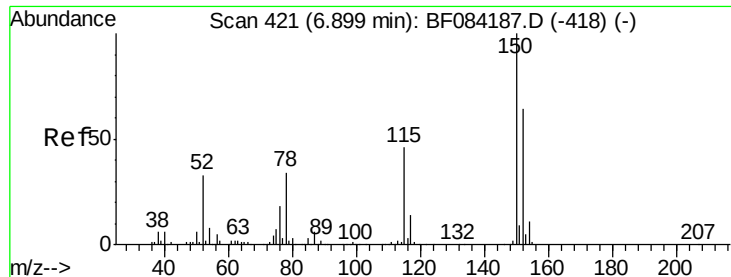
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Instrument :

BNA_F

ClientSampleId :

PB87615TB

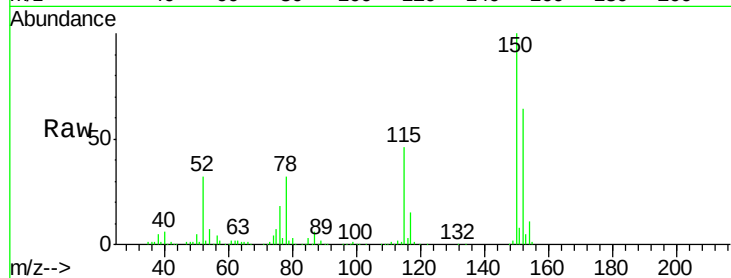
Tgt Ion:152 Resp: 288631

Ion Ratio Lower Upper

152 100

150 156.4 123.0 184.4

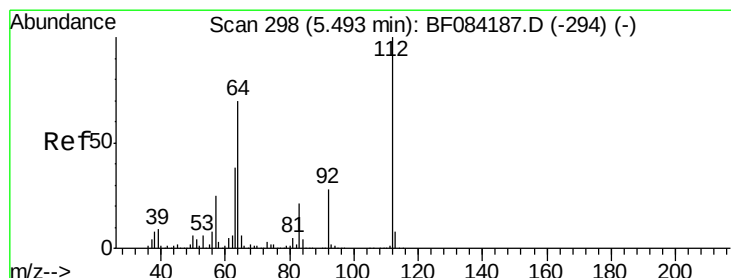
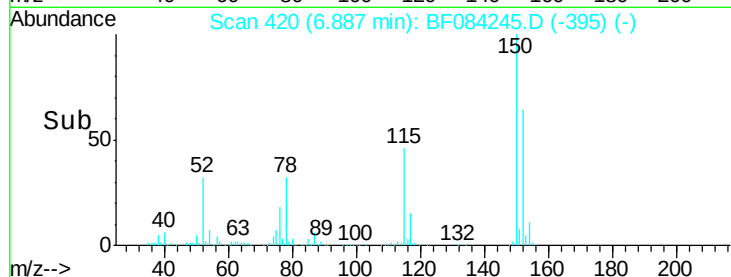
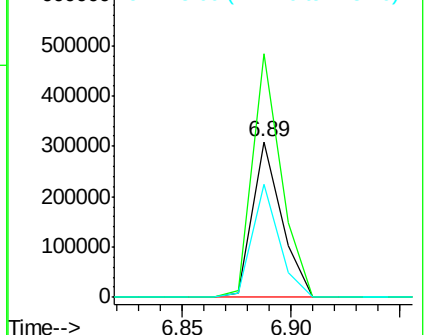
115 72.3 51.4 77.2



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: 111.51 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

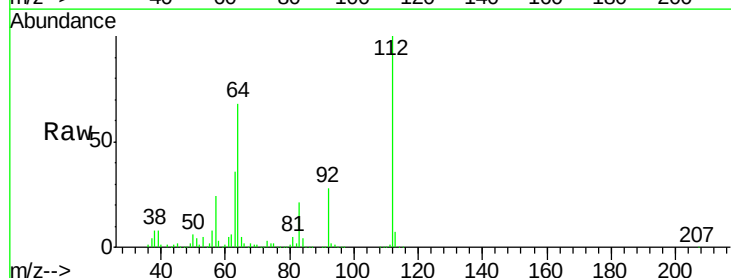
Tgt Ion:112 Resp: 1989859

Ion Ratio Lower Upper

112 100

64 68.4 36.6 55.0#

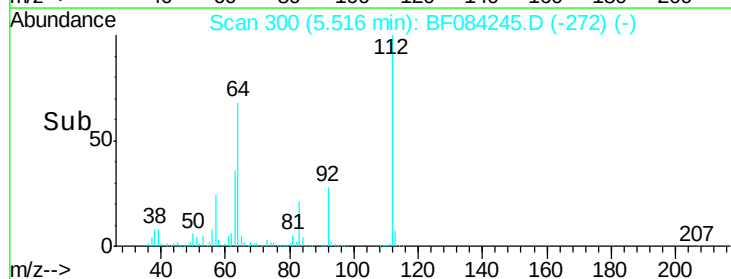
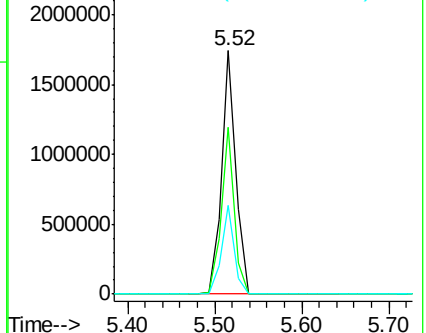
63 36.3 19.4 29.0#

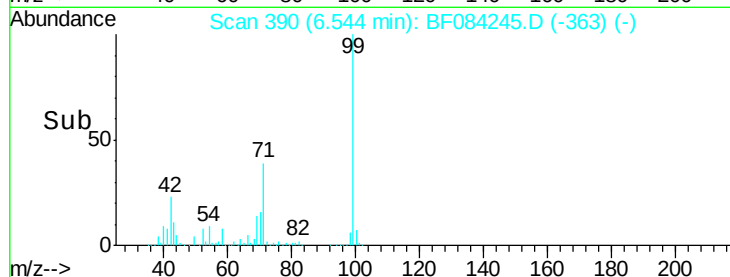
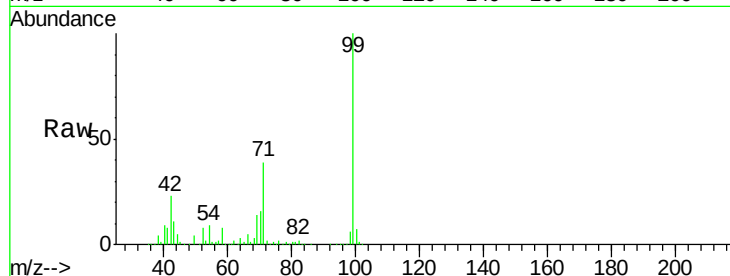
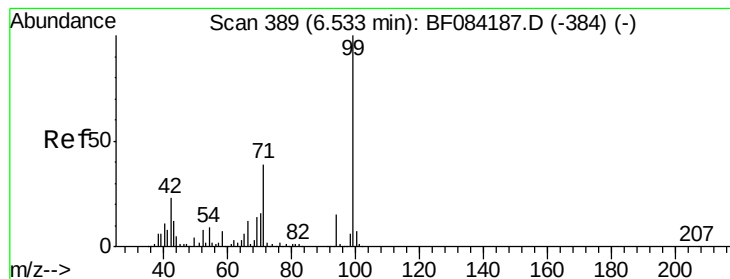


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.37 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Instrument :

BNA_F

ClientSampleId :

PB87615TB

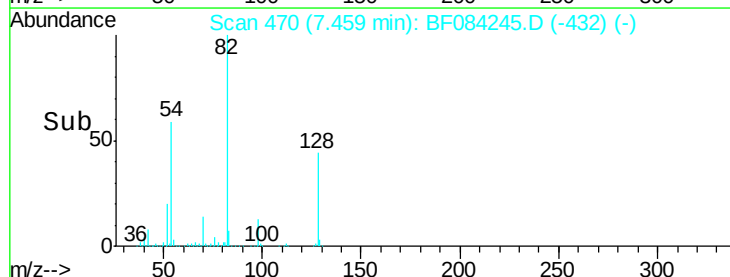
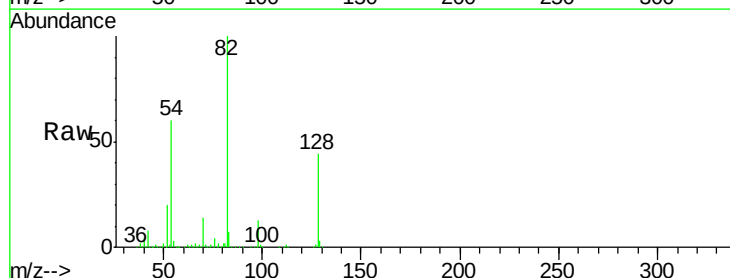
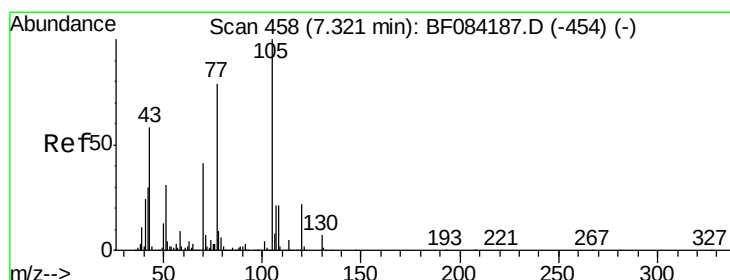
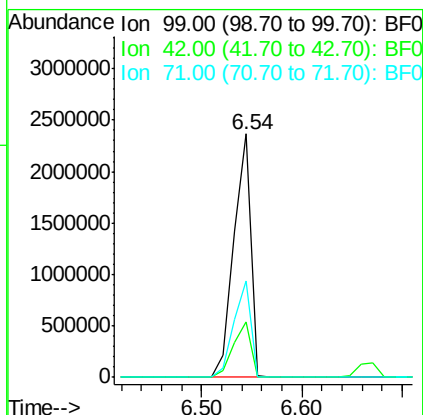
Tgt Ion: 99 Resp: 2764799

Ion Ratio Lower Upper

99 100

42 22.5 12.8 19.2#

71 39.5 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.70 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Tgt Ion: 70 Resp: 253337

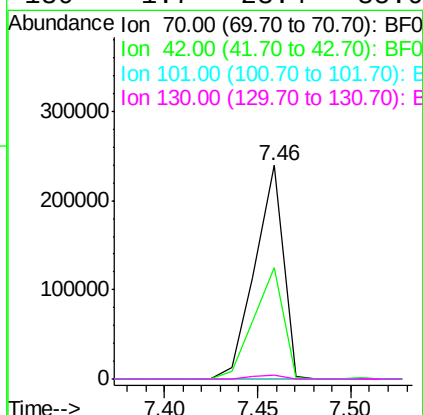
Ion Ratio Lower Upper

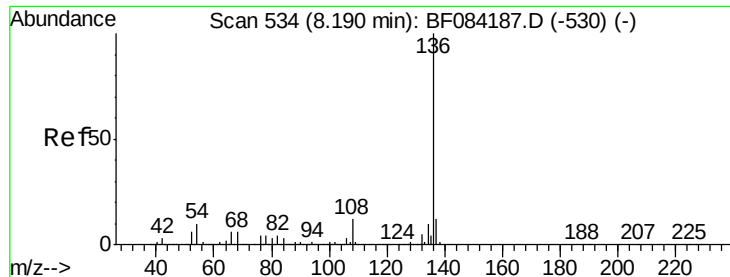
70 100

42 52.2 33.3 49.9#

101 0.0 9.3 13.9#

130 1.7 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Instrument :

BNA_F

ClientSampleId :

PB87615TB

Tgt Ion:136 Resp: 1247187

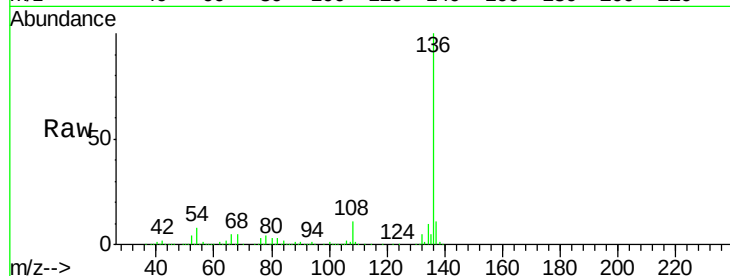
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 8.1 5.8 8.8

68 5.0 4.2 6.2

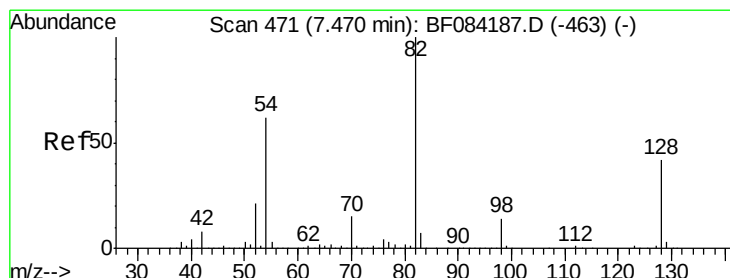
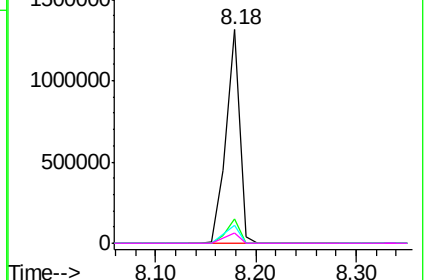
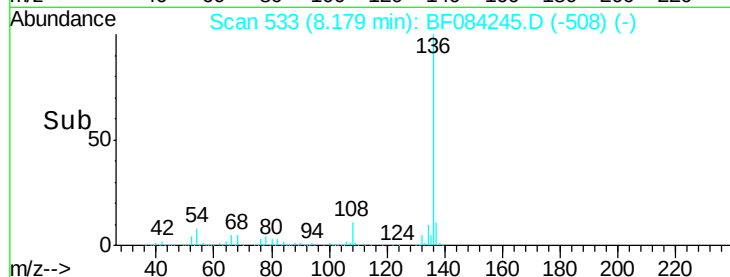


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.30 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

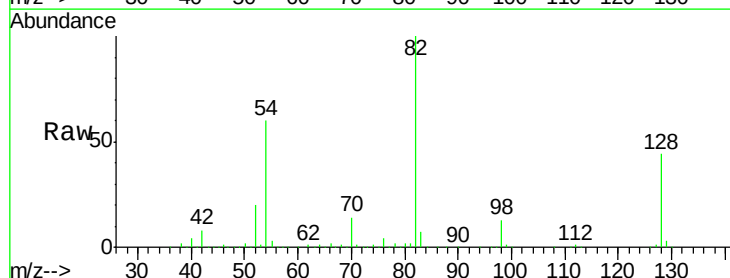
Tgt Ion: 82 Resp: 1777056

Ion Ratio Lower Upper

82 100

128 43.7 34.6 51.8

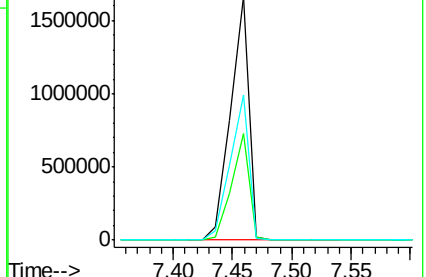
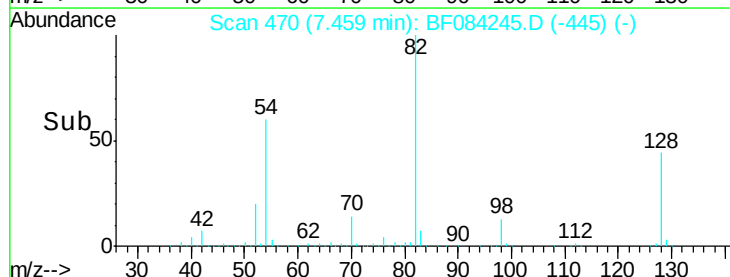
54 59.5 38.4 57.6#

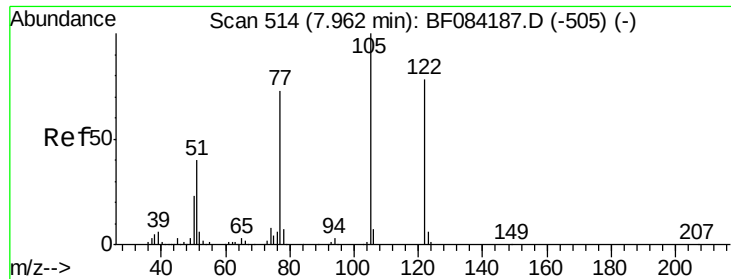


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.26 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.22 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Instrument :

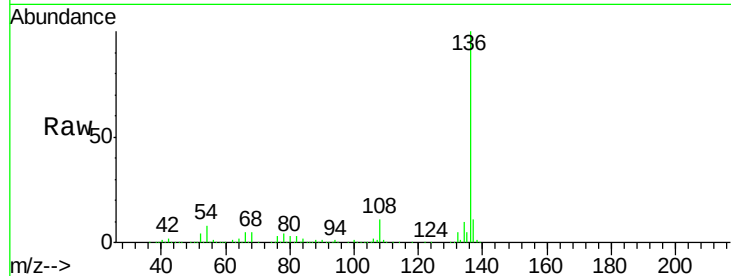
BNA_F

ClientSampleId :

PB87615TB

Tgt Ion:122 Resp: 231

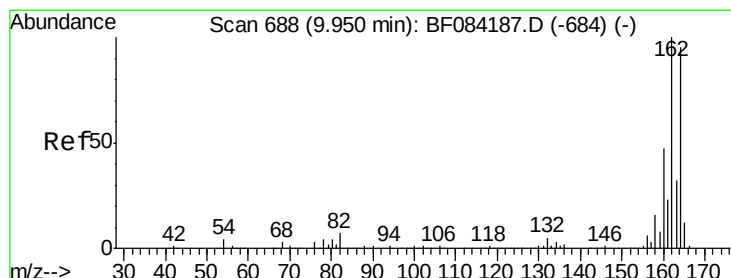
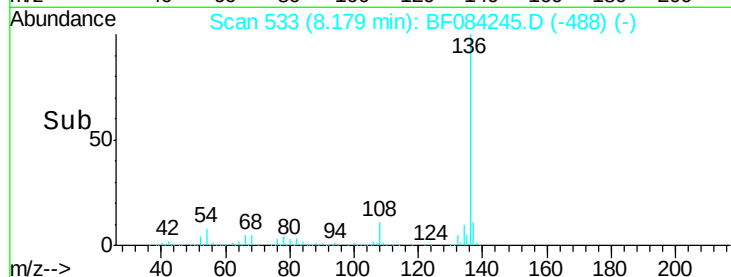
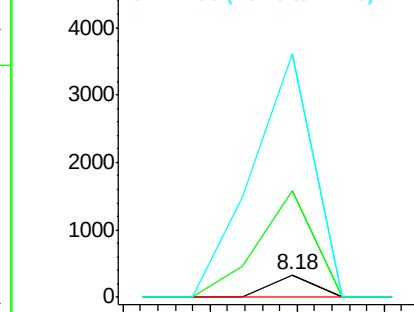
Ion	Ratio	Lower	Upper
122	100		
105	471.2	100.3	140.3#
77	1071.2	63.5	103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

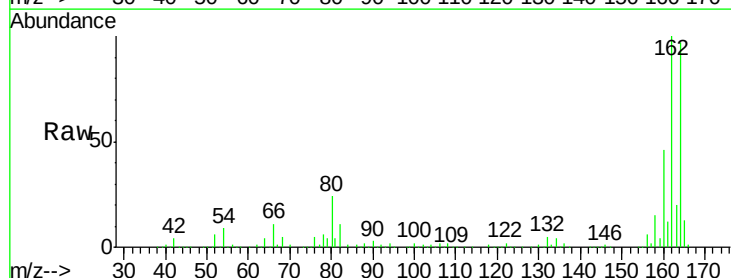
Delta R.T. -0.02 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Tgt Ion:164 Resp: 537461

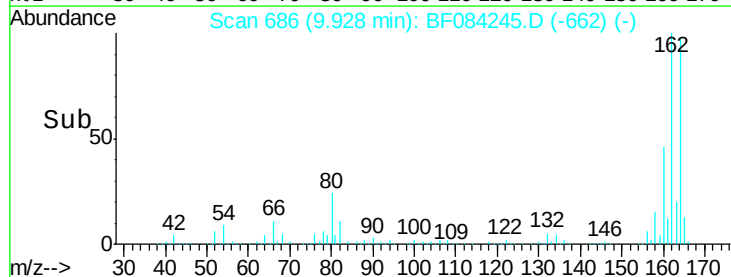
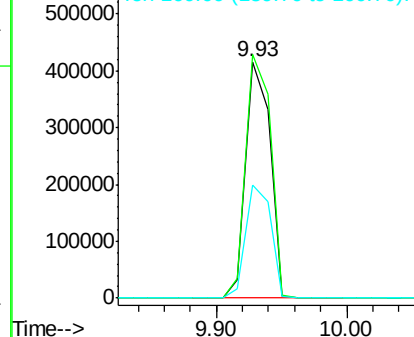
Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.1	127.7
160	47.8	37.5	56.3

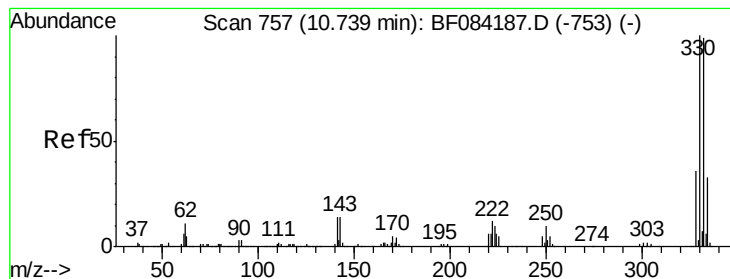


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

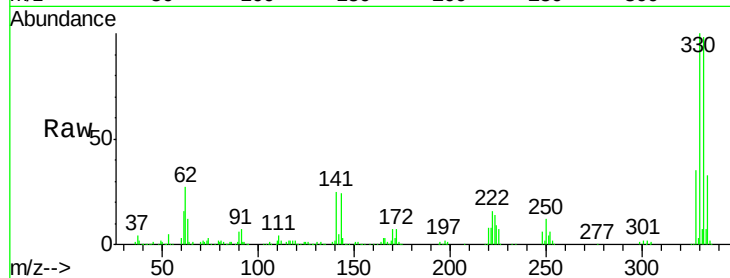




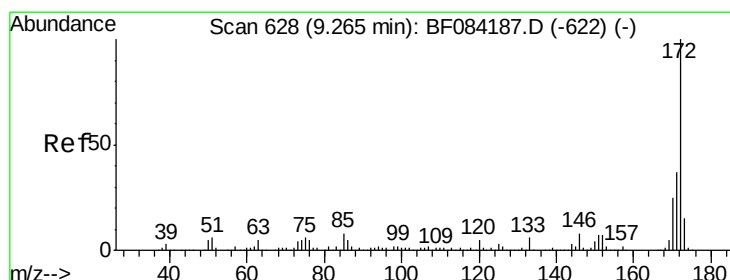
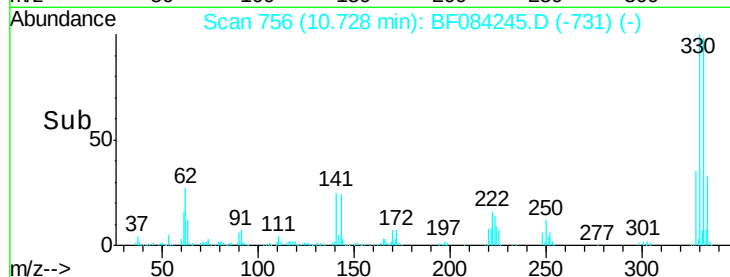
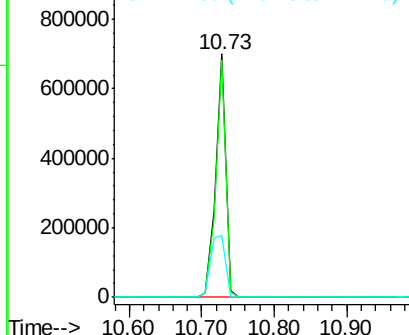
#41
 2,4,6-Tribromophenol
 Concen: 125.18 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084245.D
 Acq: 4 Jan 2016 18:07

Instrument :
 BNA_F
 ClientSampleId :
 PB87615TB

Tgt Ion:330 Resp: 679224
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 37.0 27.8 41.6

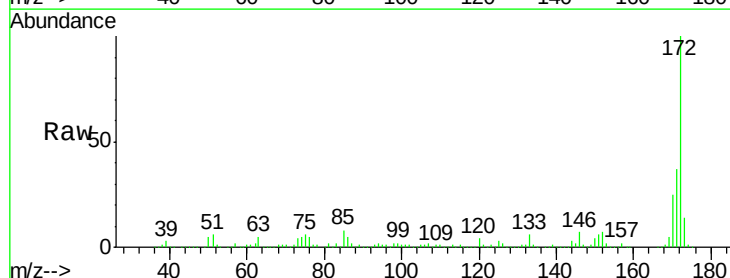


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

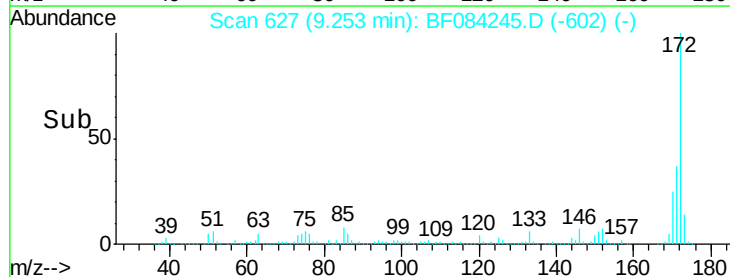
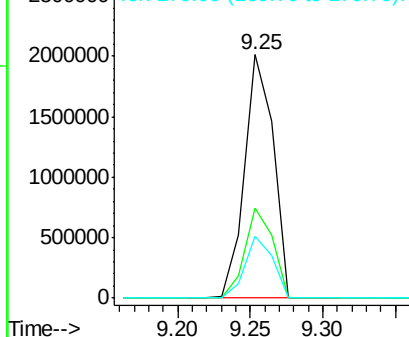


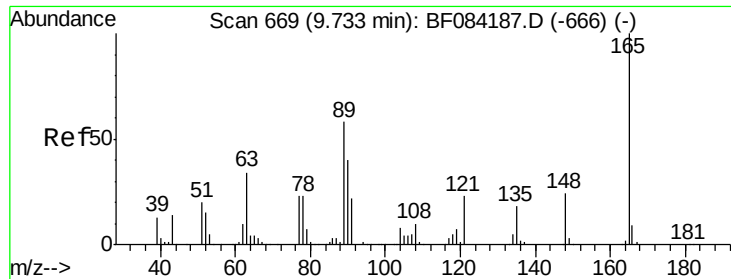
#44
 2-Fluorobiphenyl
 Concen: 90.78 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084245.D
 Acq: 4 Jan 2016 18:07

Tgt Ion:172 Resp: 2760422
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 25.3 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

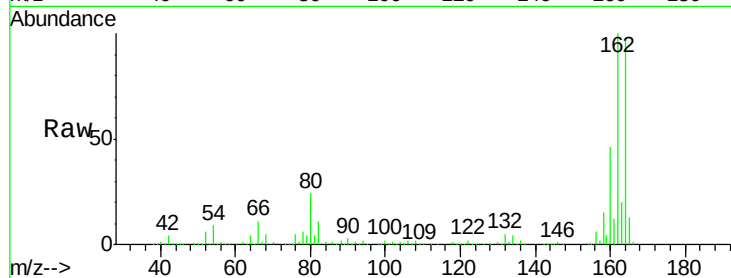




#50
2,6-Dinitrotoluene
Concen: 8.02 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.19 min
Lab File: BF084245.D
Acq: 4 Jan 2016 18:07

Instrument :
BNA_F
ClientSampleId :
PB87615TB

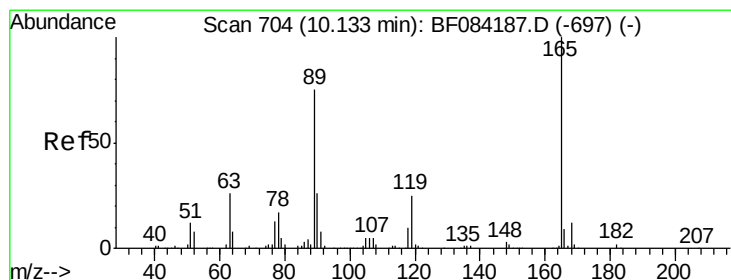
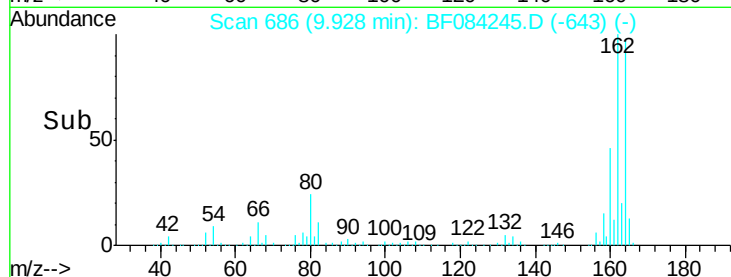
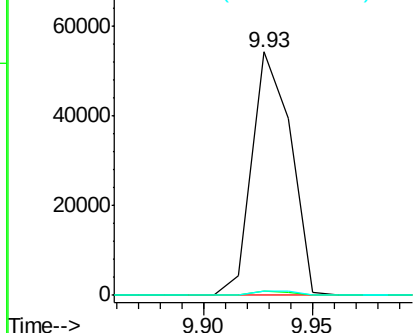
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.8	43.2#
89	1.6	35.1	52.7#



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: 6.34 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF084245.D
Acq: 4 Jan 2016 18:07

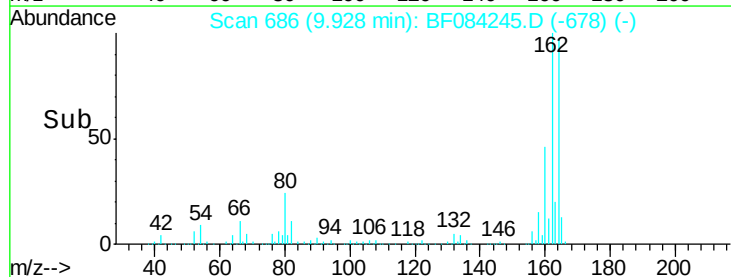
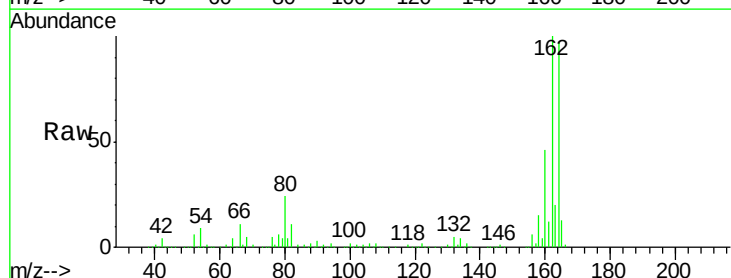
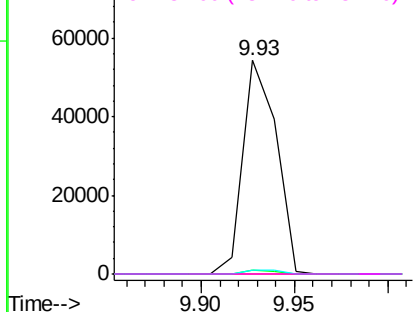
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

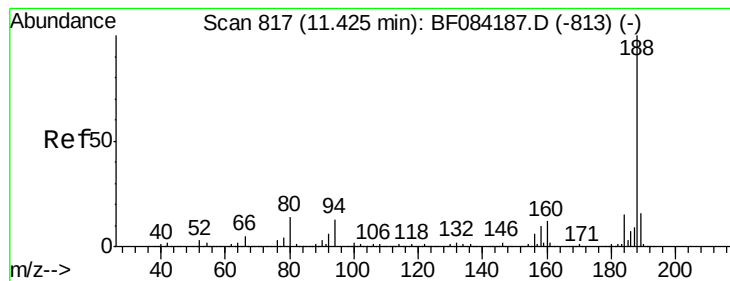
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

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PB87615TB

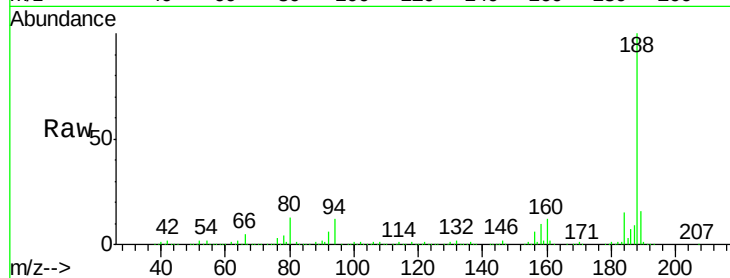
Tgt Ion:188 Resp: 950656

Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.4

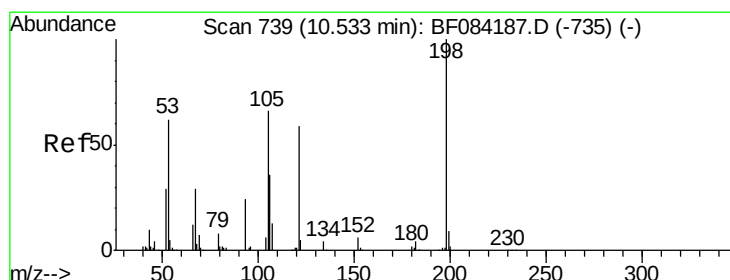
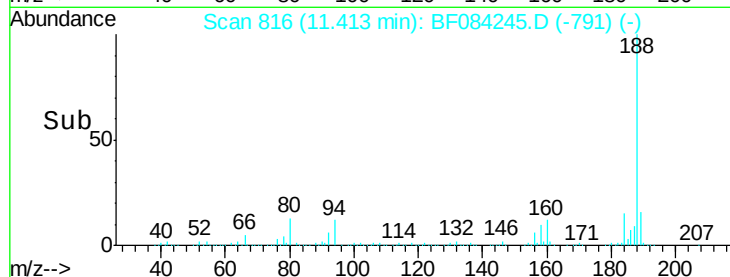
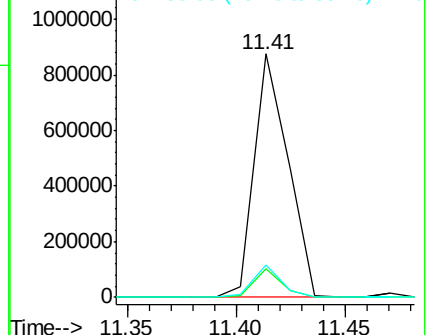
80 13.1 9.6 14.4



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

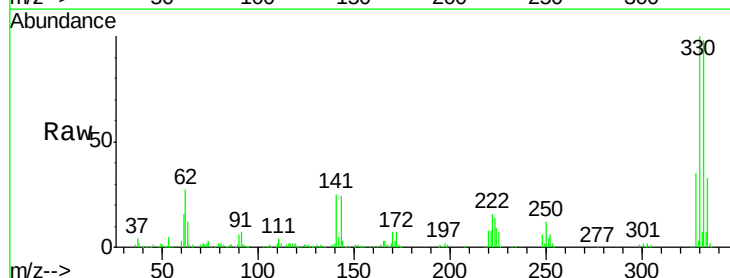
Tgt Ion:198 Resp: 1784

Ion Ratio Lower Upper

198 100

51 109.8 18.9 58.9#

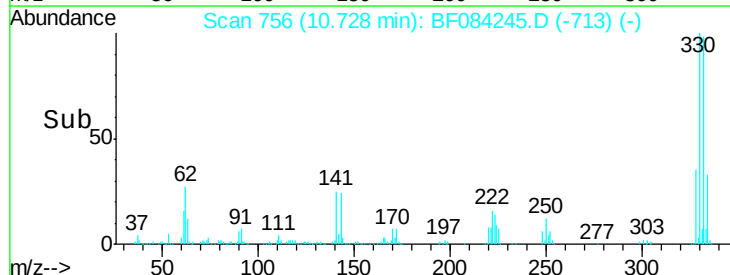
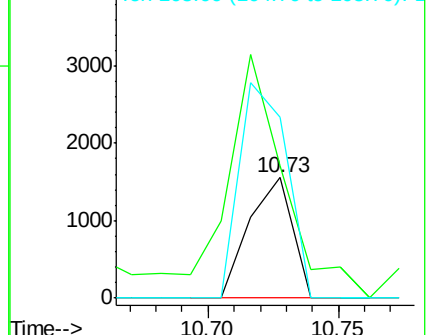
105 150.5 26.4 66.4#

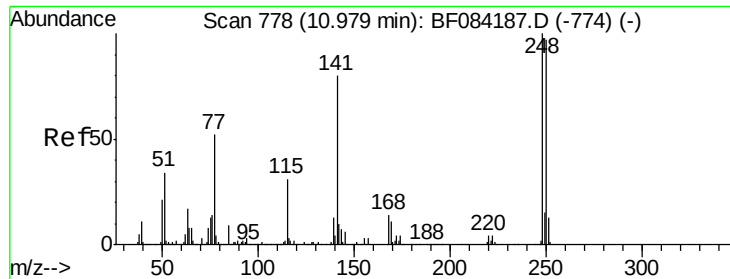


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

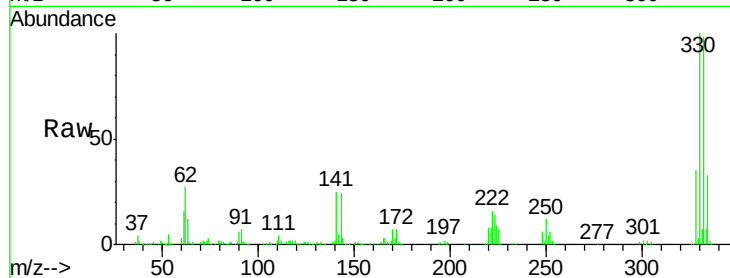




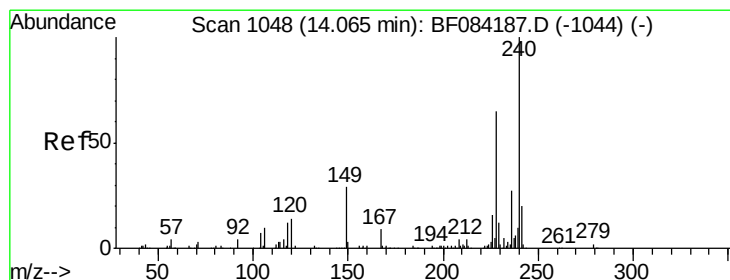
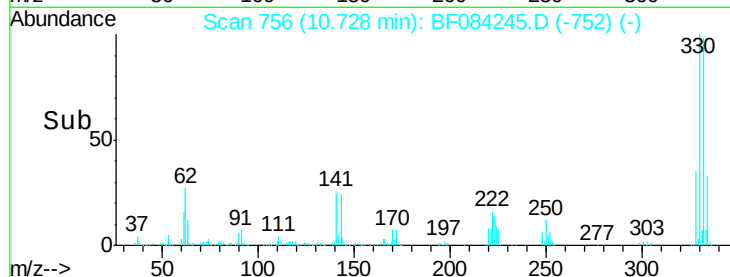
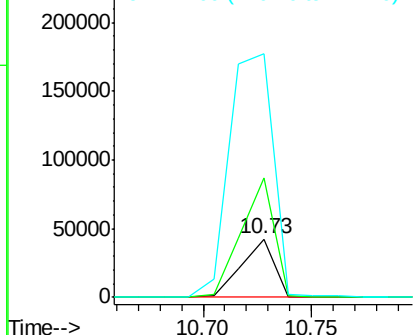
#66
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.25 min
Lab File: BF084245.D
Acq: 4 Jan 2016 18:07

Instrument :
BNA_F
ClientSampleId :
PB87615TB

Tgt Ion:248 Resp: 44689
Ion Ratio Lower Upper
248 100
250 203.7 78.4 117.6#
141 416.5 44.0 66.0#

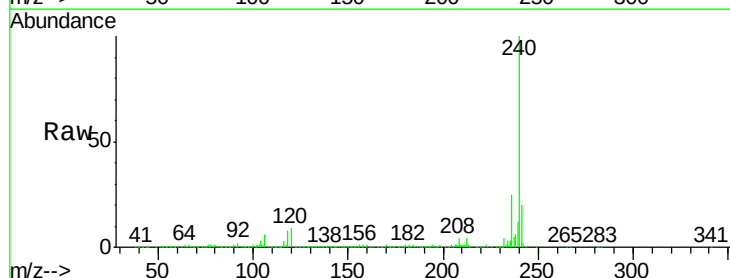


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

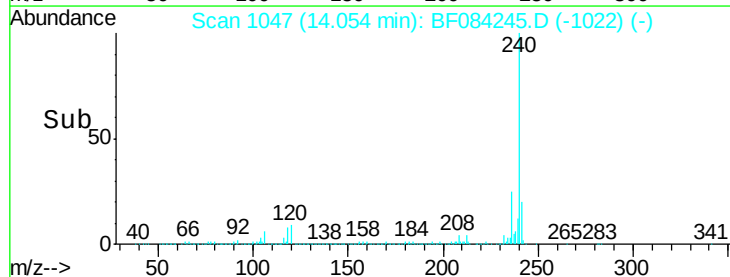
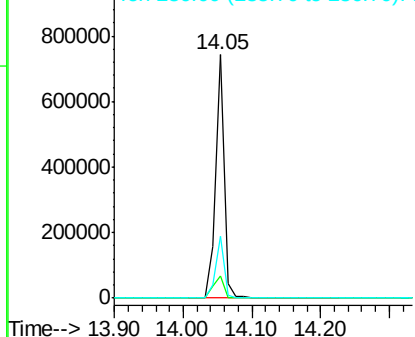


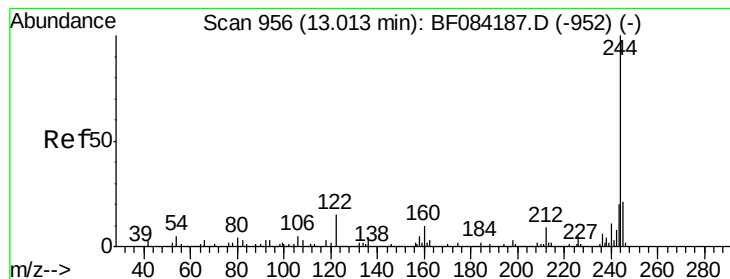
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084245.D
Acq: 4 Jan 2016 18:07

Tgt Ion:240 Resp: 662238
Ion Ratio Lower Upper
240 100
120 9.3 9.5 14.3#
236 25.3 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: 72.65 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

Instrument :

BNA_F

ClientSampleId :

PB87615TB

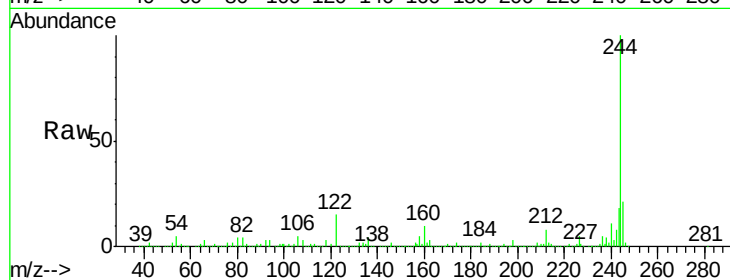
Tgt Ion:244 Resp: 2155244

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

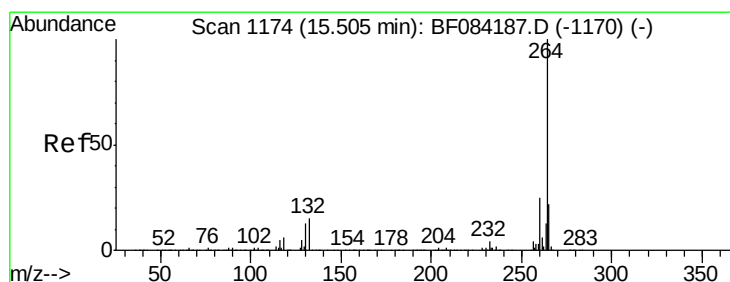
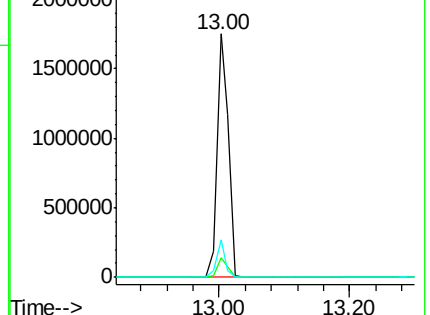
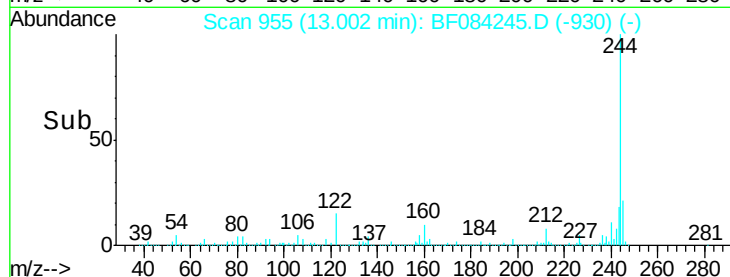
122 15.2 7.4 11.0#



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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084245.D

Acq: 4 Jan 2016 18:07

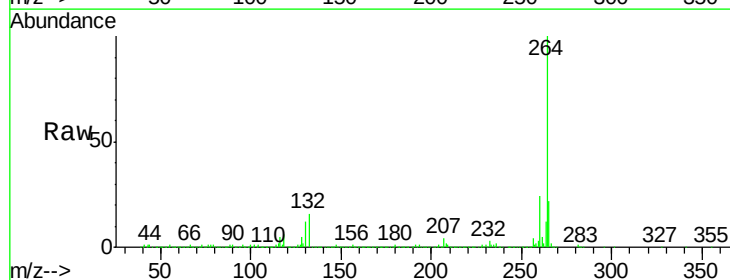
Tgt Ion:264 Resp: 604436

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.9 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

