

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084550.D
 Acq On : 19 Jan 2016 14:20
 Operator : SJ/UM
 Sample : PB87864BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87864BL

Quant Time: Jan 19 23:56:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

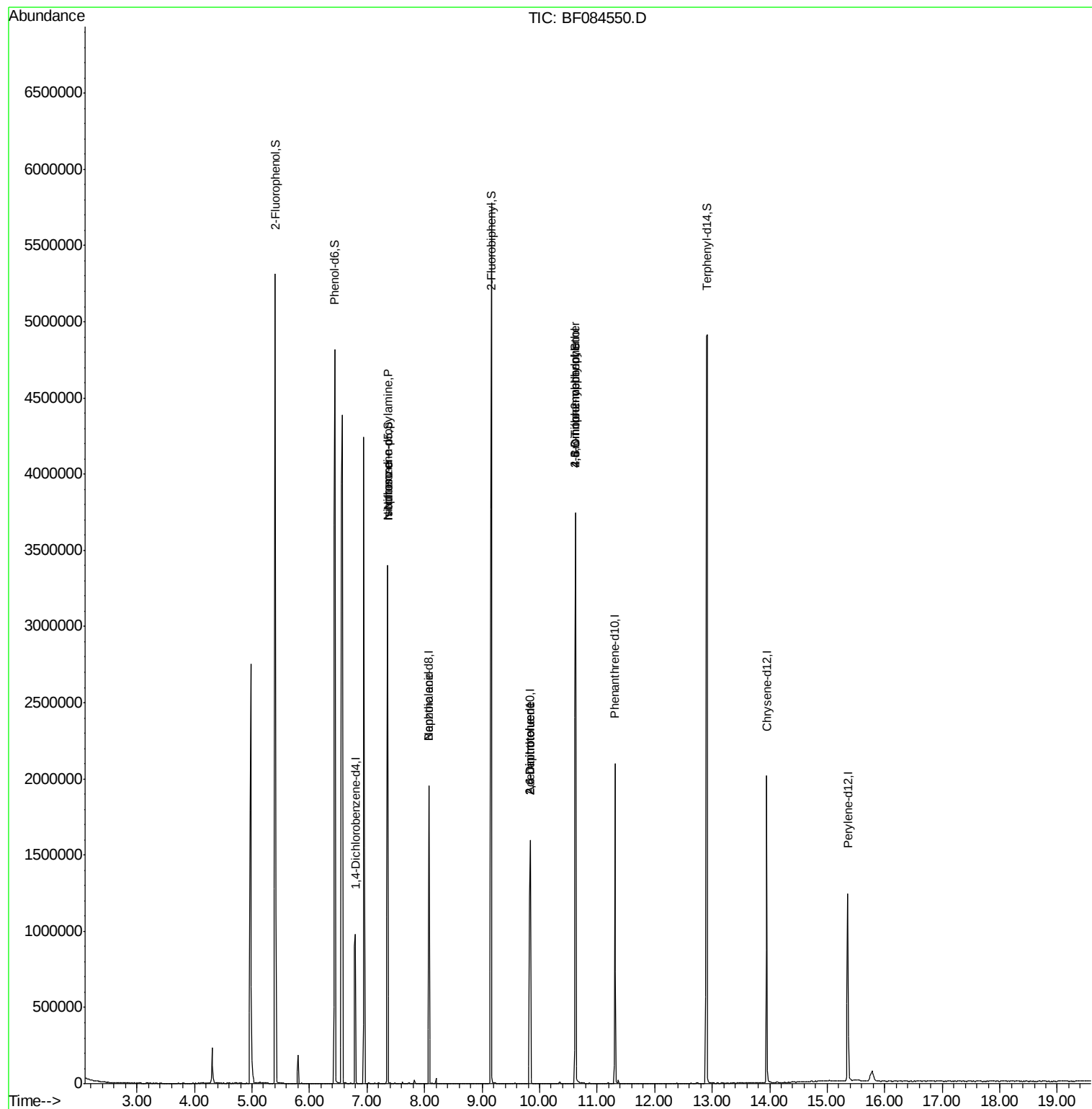
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	212076	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	882121	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	435094	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	804658	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	778338	20.00	ng	-0.05
86) Perylene-d12	15.36	264	542768	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1481388	112.98	ng	-0.03
7) Phenol-d6	6.44	99	2187087	132.82	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1163847	73.43	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	564297	128.46	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	2329615	94.93	ng	-0.03
78) Terphenyl-d14	12.91	244	2383739	68.36	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	159839	14.34	ng	# 71
25) Isophorone	7.36	82	909678	30.01	ng	# 66
32) Benzoic acid	8.08	122	230	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.84	165	55499	8.14	ng	# 37
56) 2,4-Dinitrotoluene	9.84	165	55499	6.43	ng	# 21
57) Fluorene	10.62	166	23063	Below Cal		# 92
64) 4,6-Dinitro-2-methylphenol	10.62	198	1530	6.65	ng	# 2
66) 4-Bromophenyl-phenylether	10.62	248	37415	4.32	ng	# 1

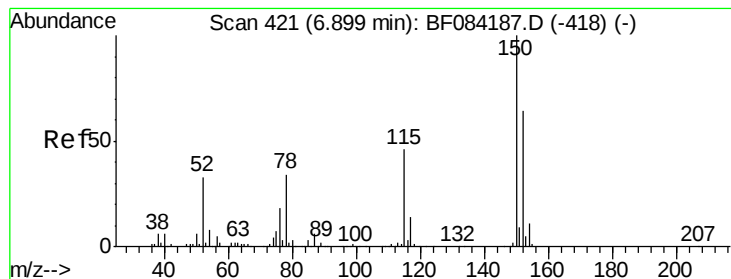
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 19 23:56:40 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

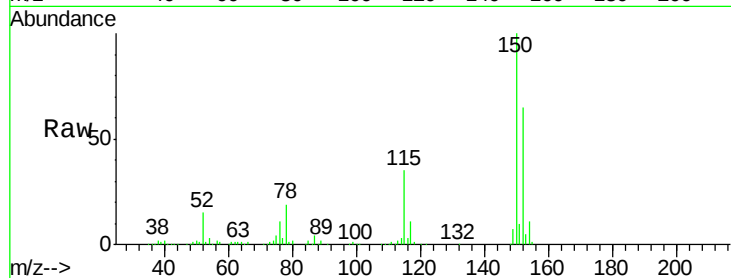
Tgt Ion:152 Resp: 212076

Ion Ratio Lower Upper

152 100

150 154.6 123.0 184.4

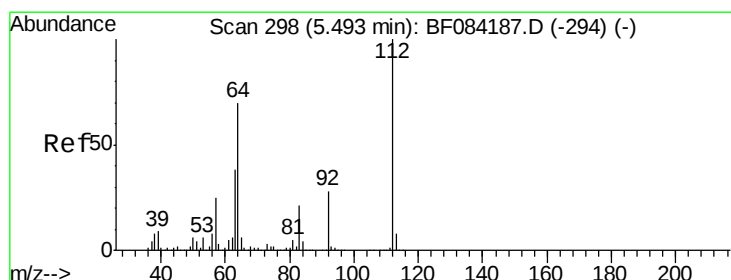
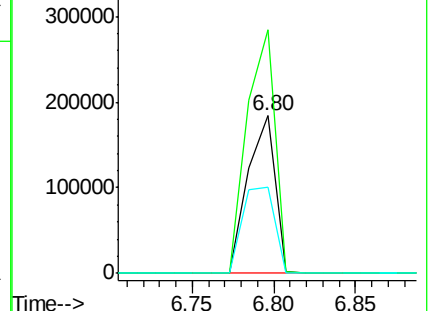
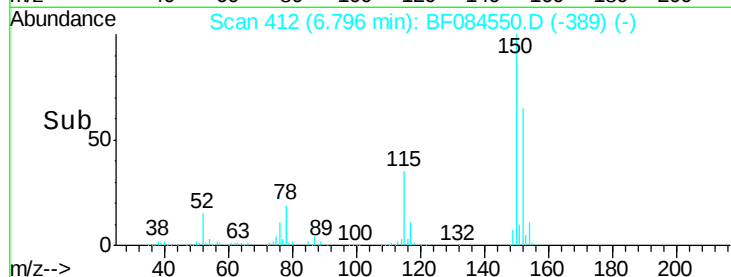
115 54.7 51.4 77.2



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: 112.98 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

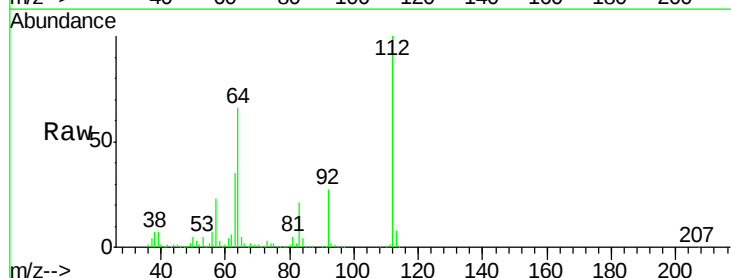
Tgt Ion:112 Resp: 1481388

Ion Ratio Lower Upper

112 100

64 66.2 36.6 55.0#

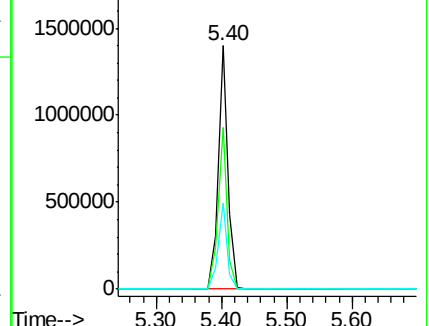
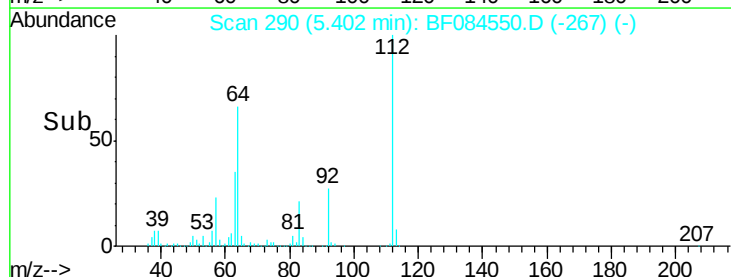
63 35.4 19.4 29.0#



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: 132.82 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

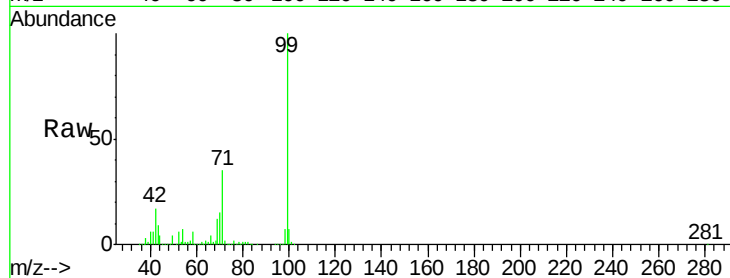
Tgt Ion: 99 Resp: 2187087

Ion Ratio Lower Upper

99 100

42 16.7 12.8 19.2

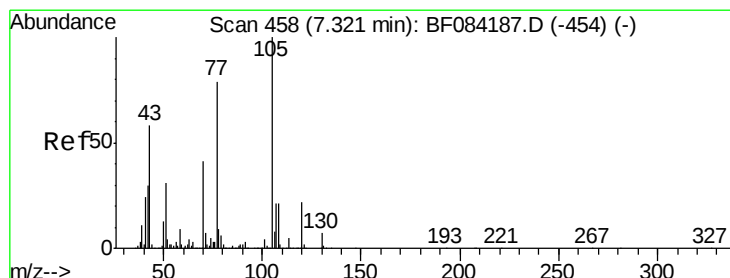
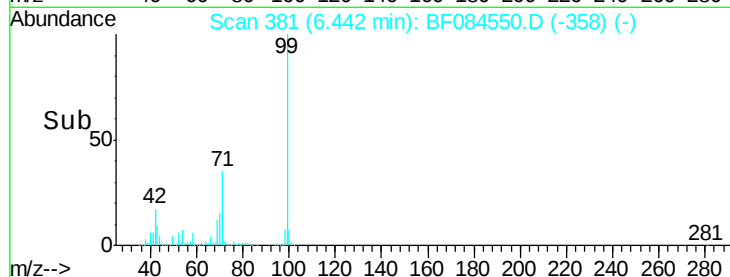
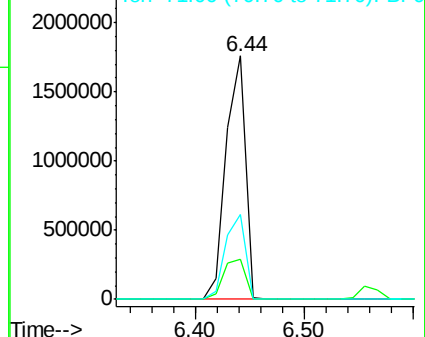
71 34.9 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.34 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.10 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Tgt Ion: 70 Resp: 159839

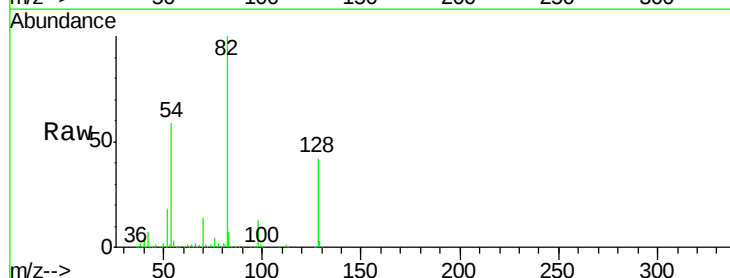
Ion Ratio Lower Upper

70 100

42 50.6 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

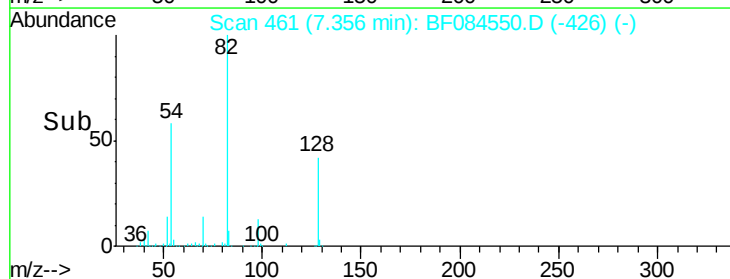
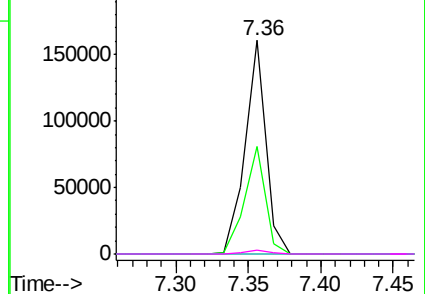


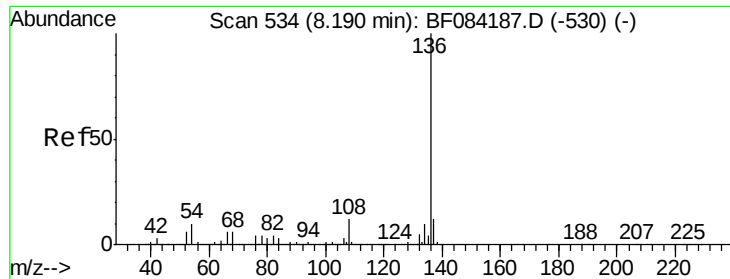
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

Tgt Ion:136 Resp: 882121

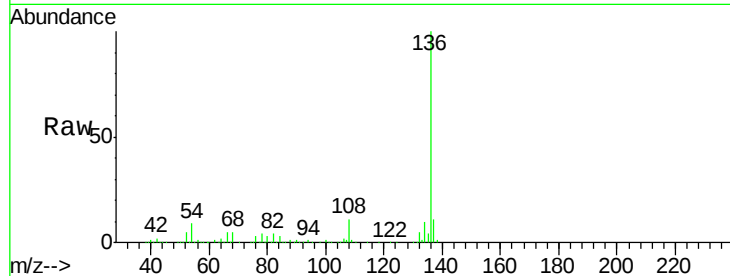
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 9.3 5.8 8.8#

68 5.2 4.2 6.2

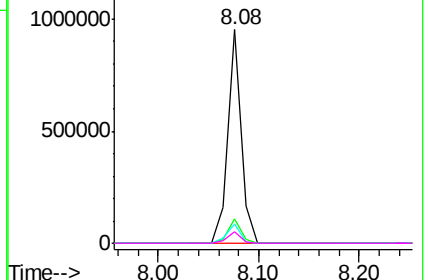
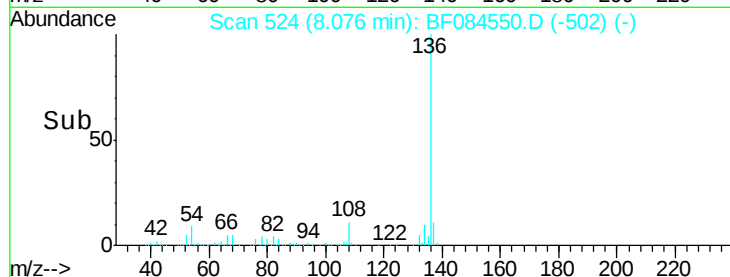


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.43 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

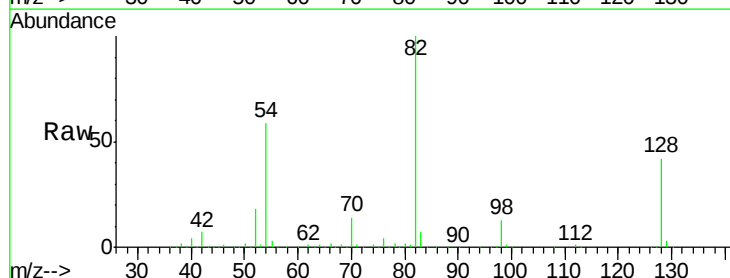
Tgt Ion: 82 Resp: 1163847

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

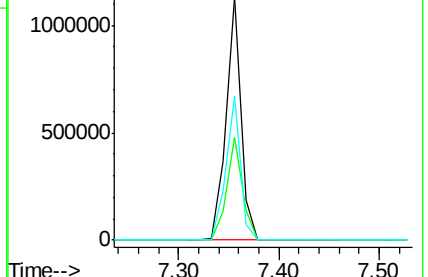
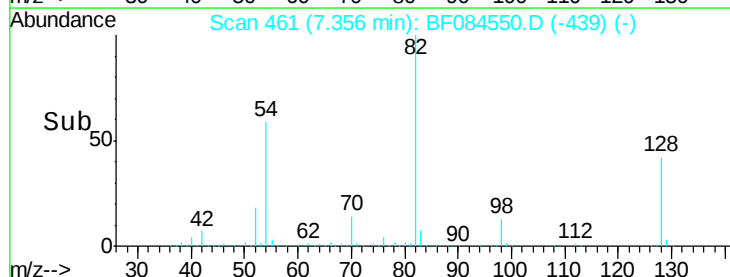
54 58.9 38.4 57.6#

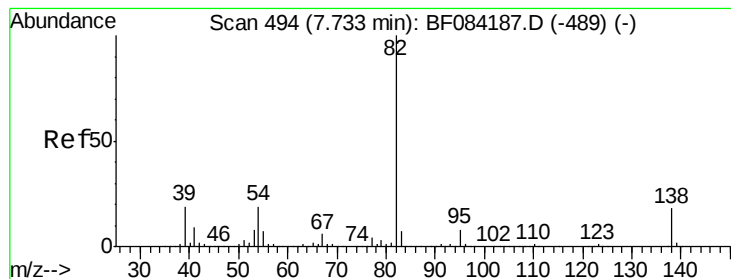


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.01 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.31 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

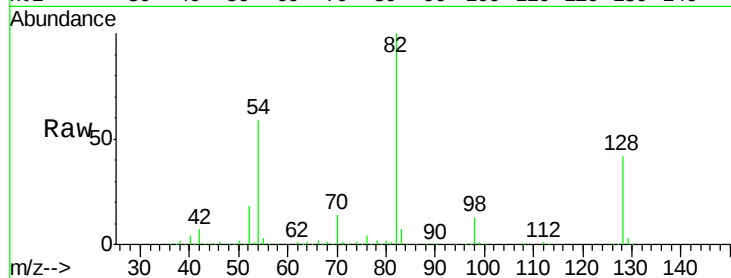
Tgt Ion: 82 Resp: 909678

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

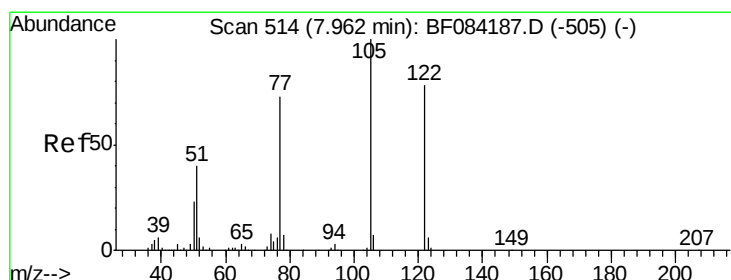
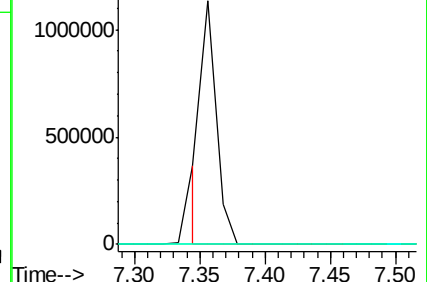
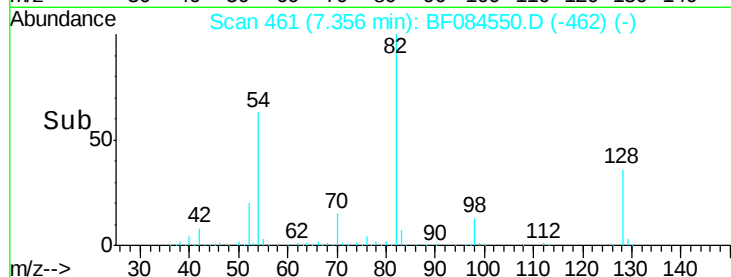
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.27 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.18 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

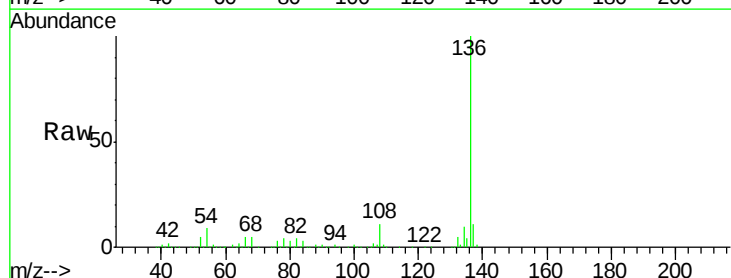
Tgt Ion: 122 Resp: 230

Ion Ratio Lower Upper

122 100

105 194.3 100.3 140.3#

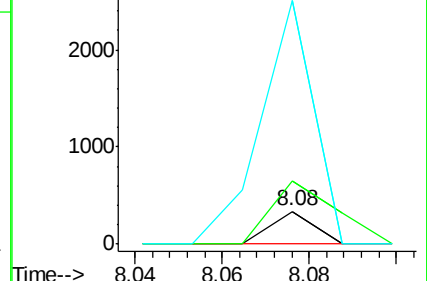
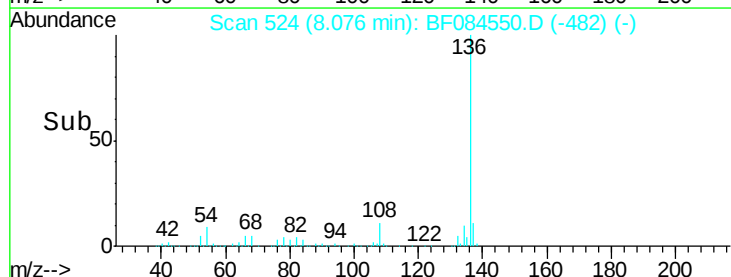
77 746.4 63.5 103.5#

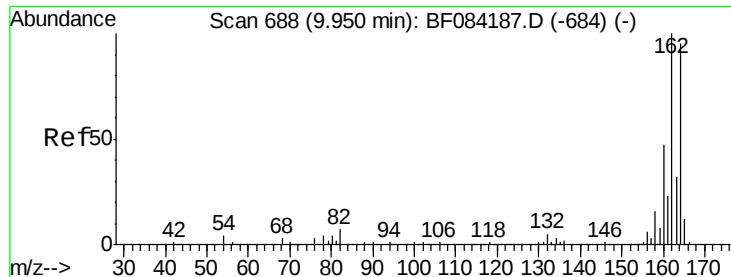


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

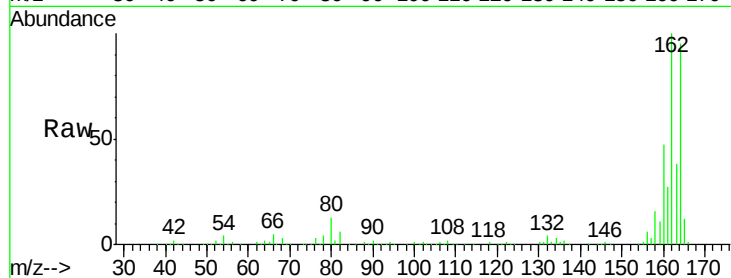
Tgt Ion:164 Resp: 435094

Ion Ratio Lower Upper

164 100

162 105.6 85.1 127.7

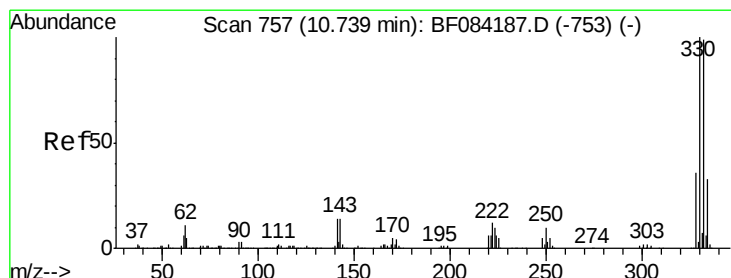
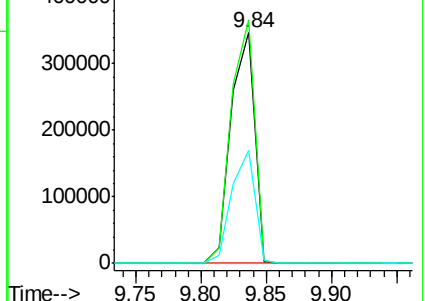
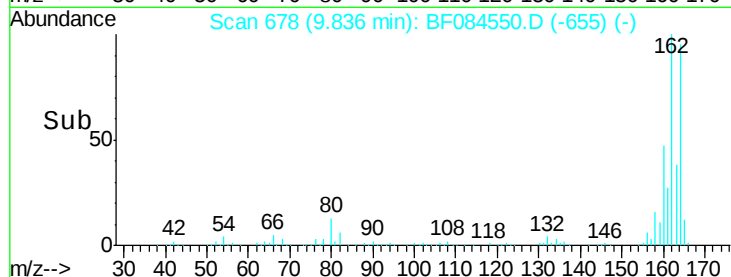
160 49.1 37.5 56.3



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: 128.46 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.05 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

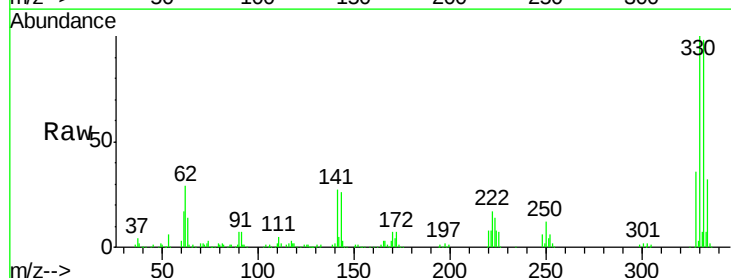
Tgt Ion:330 Resp: 564297

Ion Ratio Lower Upper

330 100

332 97.6 76.6 114.8

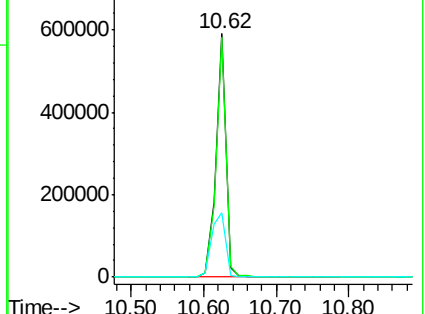
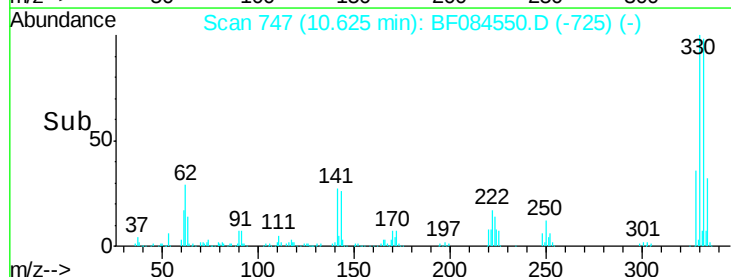
141 36.8 27.8 41.6

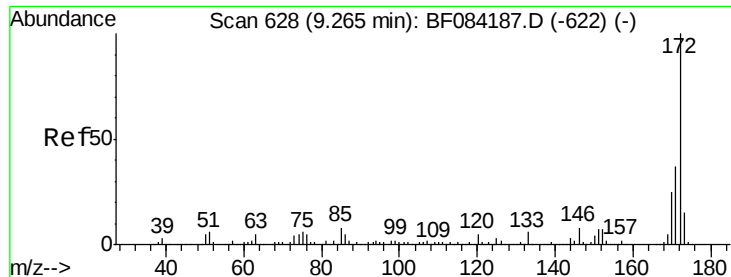


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

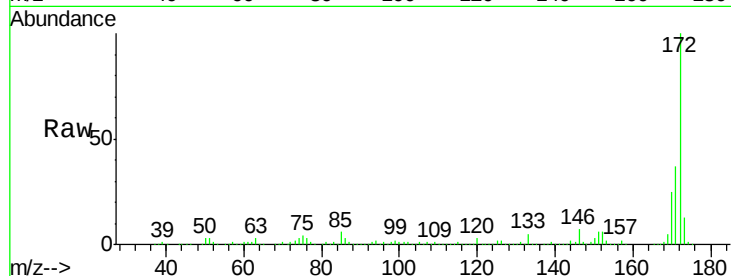




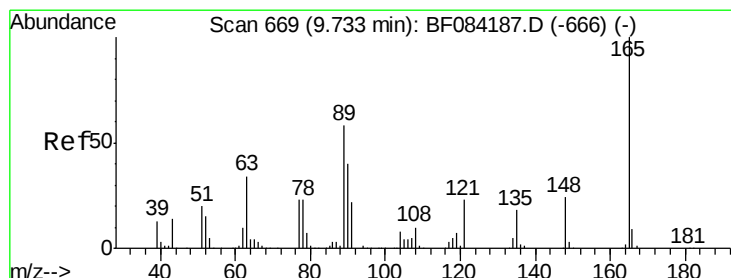
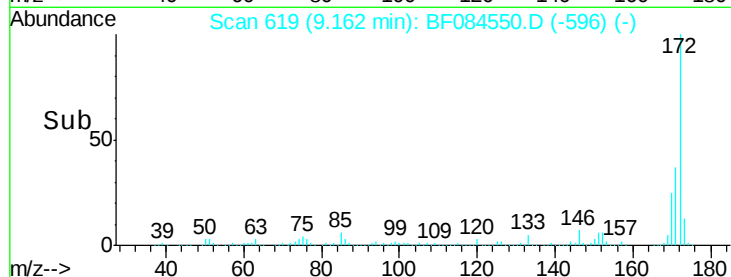
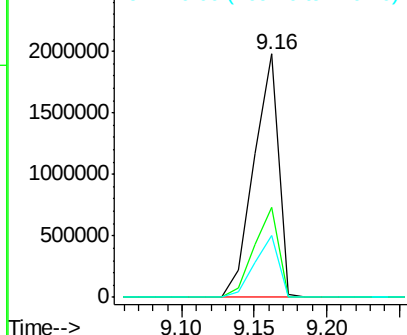
#44
 2-Fluorobiphenyl
 Concen: 94.93 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084550.D
 Acq: 19 Jan 2016 14:20

Instrument :
 BNA_F
 ClientSampled :
 PB87864BL

Tgt Ion:172 Resp: 2329615
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 25.3 18.6 27.8

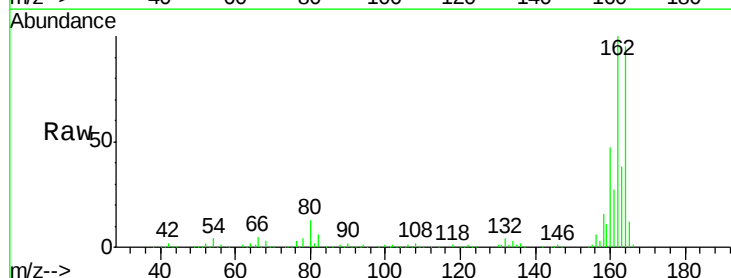


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

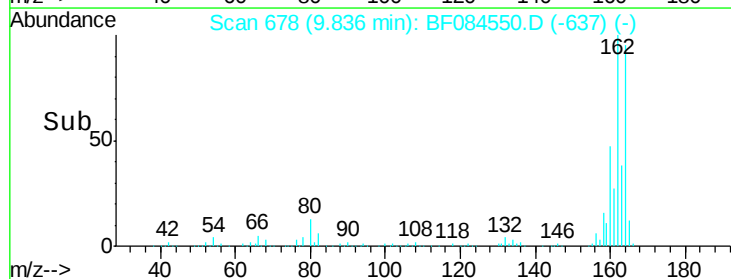
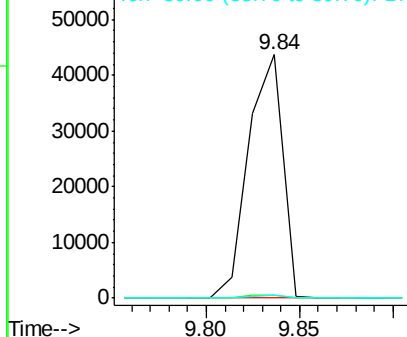


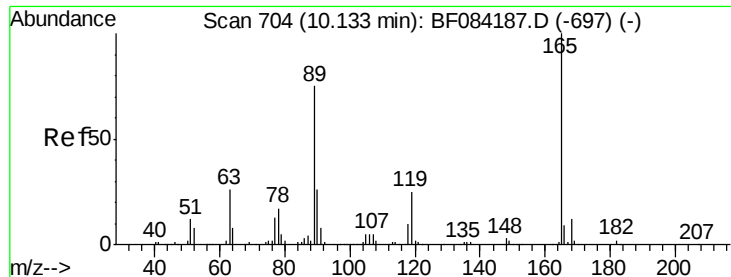
#50
 2,6-Dinitrotoluene
 Concen: 8.14 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.17 min
 Lab File: BF084550.D
 Acq: 19 Jan 2016 14:20

Tgt Ion:165 Resp: 55499
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 1.4 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: 9.84 min Scan# 678

Delta R.T. -0.23 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

Tgt Ion:165 Resp: 55499

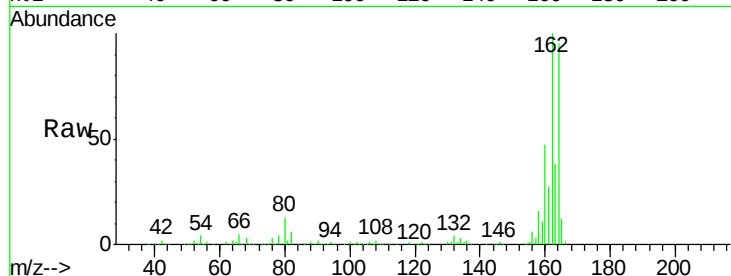
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

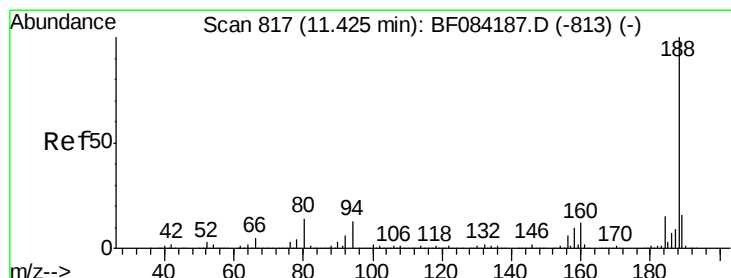
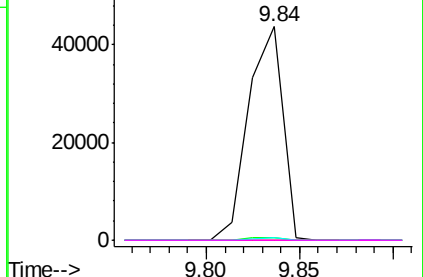
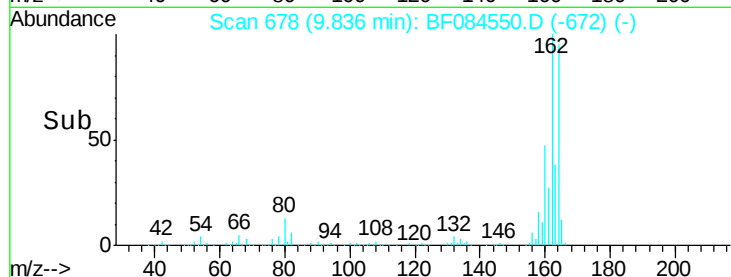


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.31 min Scan# 807

Delta R.T. -0.05 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

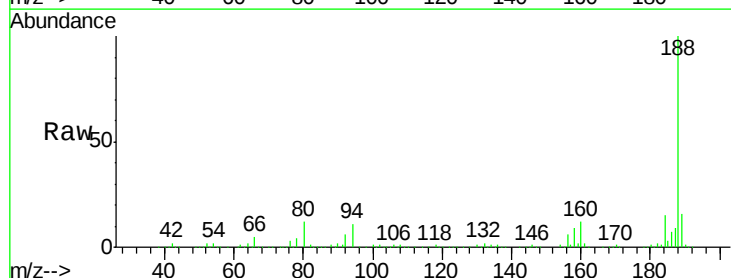
Tgt Ion:188 Resp: 804658

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.4

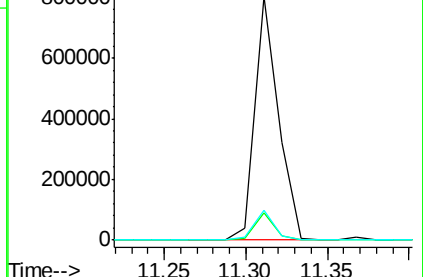
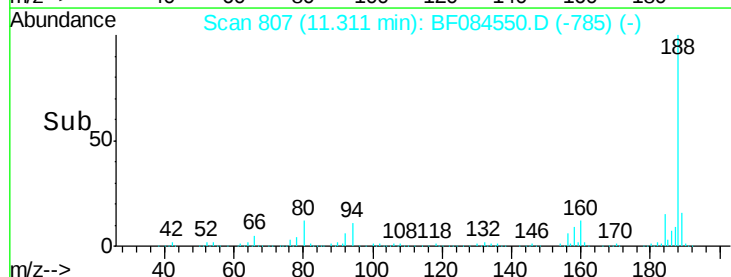
80 12.3 9.6 14.4

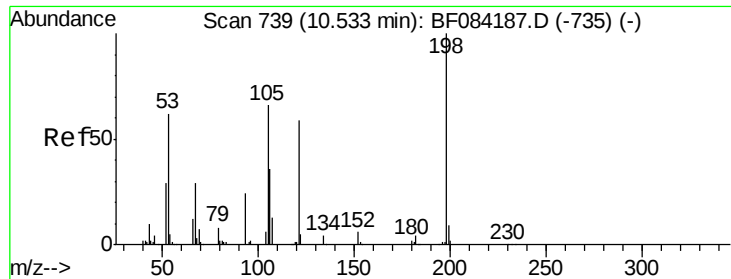


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.15 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

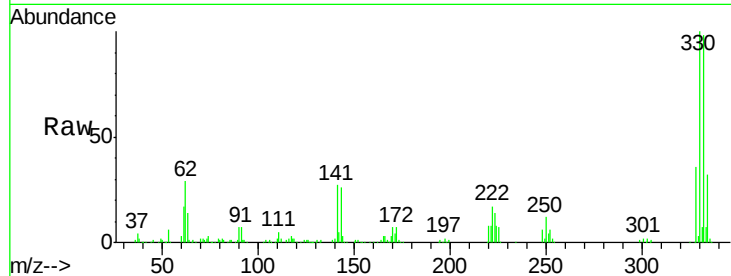
Tgt Ion:198 Resp: 1530

Ion Ratio Lower Upper

198 100

51 96.1 18.9 58.9#

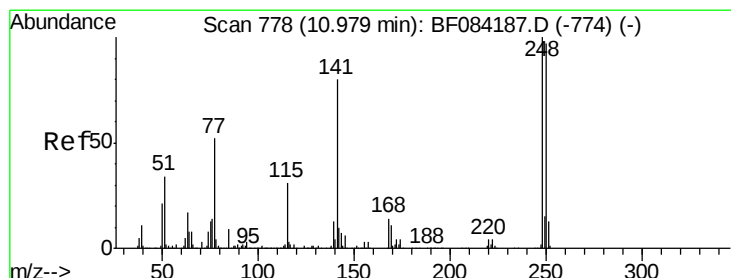
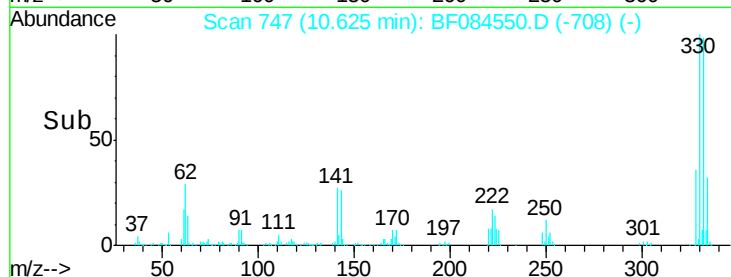
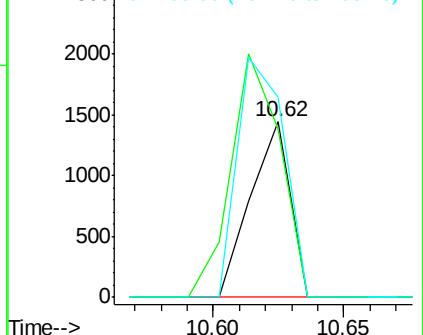
105 114.0 26.4 66.4#



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: 4.32 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.29 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

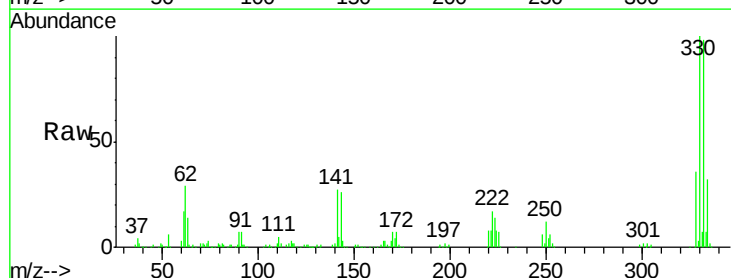
Tgt Ion:248 Resp: 37415

Ion Ratio Lower Upper

248 100

250 189.4 78.4 117.6#

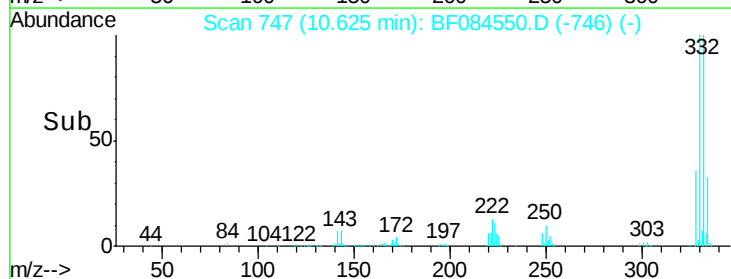
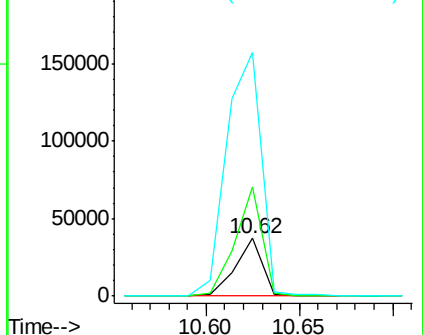
141 420.7 44.0 66.0#

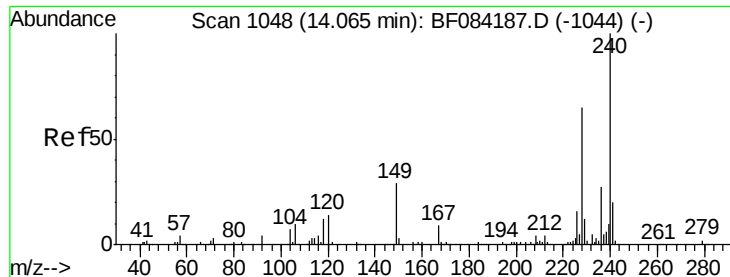


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

Instrument :

BNA_F

ClientSampleId :

PB87864BL

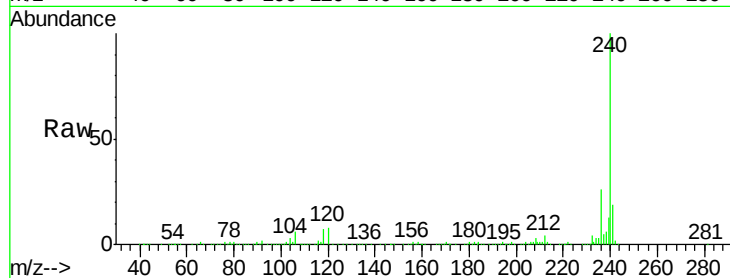
Tgt Ion:240 Resp: 778338

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

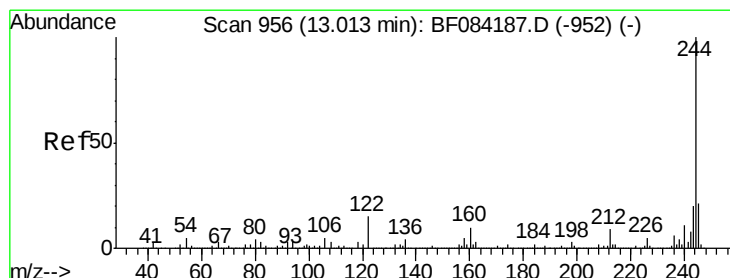
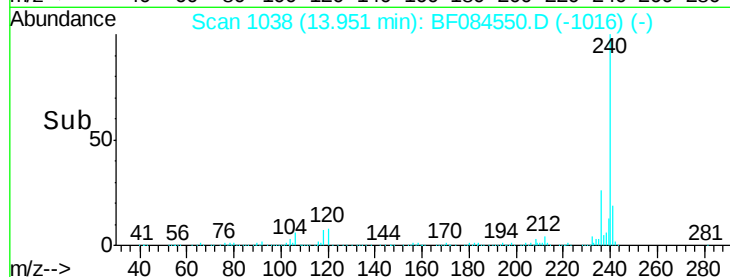
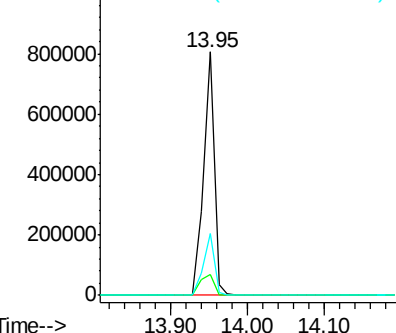
236 25.6 20.6 31.0



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: 68.36 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF084550.D

Acq: 19 Jan 2016 14:20

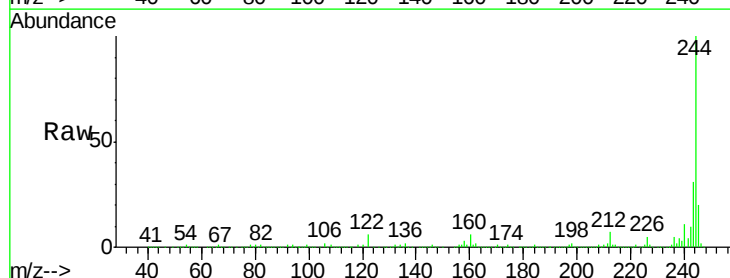
Tgt Ion:244 Resp: 2383739

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

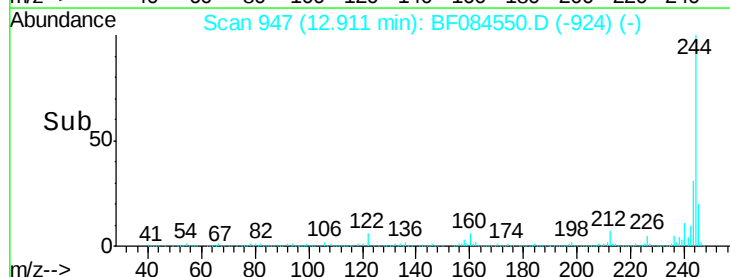
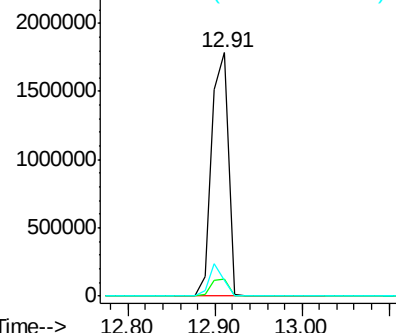
122 6.3 7.4 11.0#

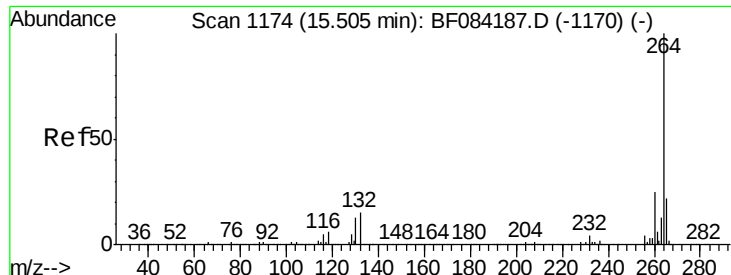


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

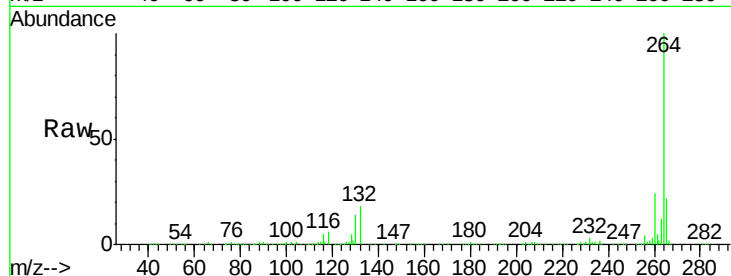




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BF084550.D
Acq: 19 Jan 2016 14:20

Instrument :
BNA_F
ClientSampleId :
PB87864BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.5	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

