

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084250.D
 Acq On : 4 Jan 2016 20:24
 Operator : UM/SJ
 Sample : G4986-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-110-1.5-2.0

Quant Time: Jan 05 01:31:12 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	250351	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1060411	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	454411	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	782426	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	520094	20.00	ng	-0.01
86) Perylene-d12	15.49	264	519049	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1517335	98.03	ng	0.01
7) Phenol-d6	6.53	99	1878483	96.63	ng	0.00
23) Nitrobenzene-d5	7.46	82	1455809	76.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	513403	111.91	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1917882	73.38	ng	-0.01
78) Terphenyl-d14	13.00	244	1449430	62.21	ng	-0.01

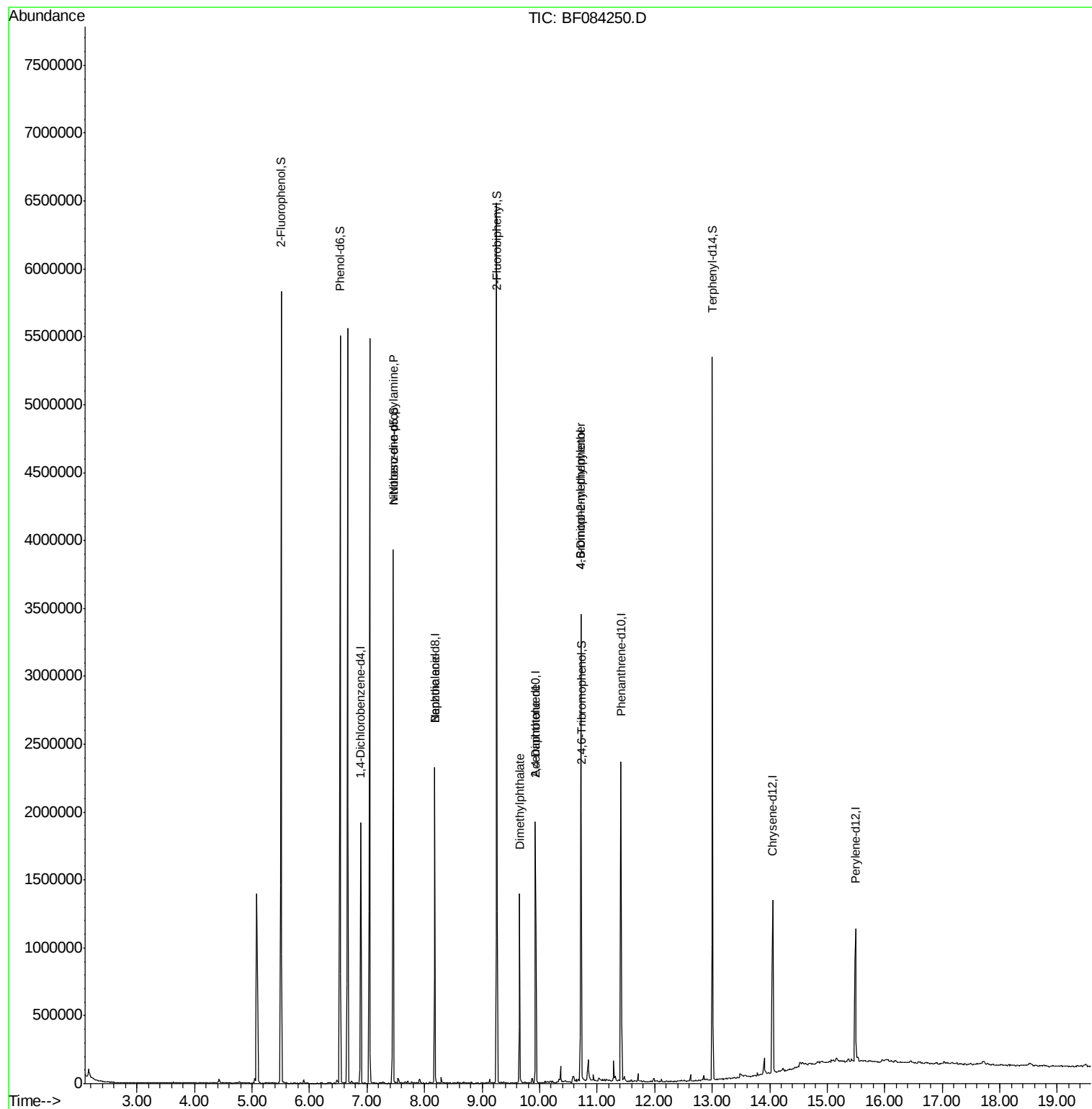
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	203042	15.43	ng	# 73
32) Benzoic acid	8.18	122	234	6.27	ng	# 1
49) Dimethylphthalate	9.65	163	568473	17.50	ng	# 90
54) Dibenzofuran	10.13	168	822	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.93	165	59118	6.56	ng	# 21
57) Fluorene	10.48	166	755	Below Cal		# 76
64) 4,6-Dinitro-2-methylphenol	10.72	198	1303	6.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	30533	3.63	ng	# 1
73) Di-n-butylphthalate	11.98	149	11237	Below Cal		# 95

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

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Quant Time: Jan 05 01:31:12 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: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

PJ-SB-110-1.5-2.0

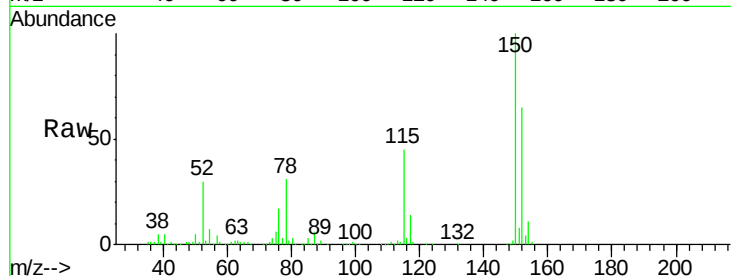
Tgt Ion:152 Resp: 250351

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

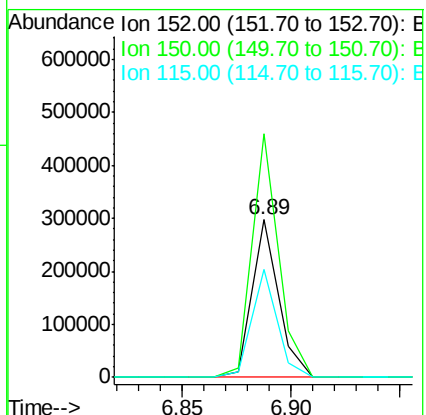
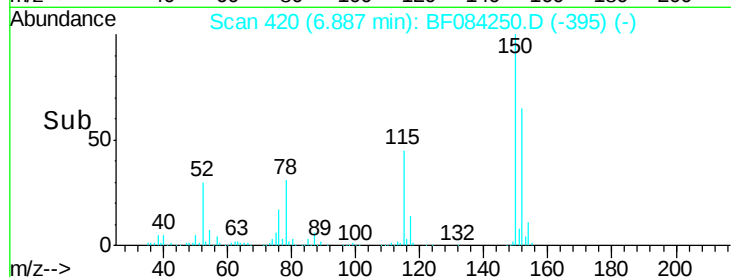
115 68.9 51.4 77.2



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: 98.03 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

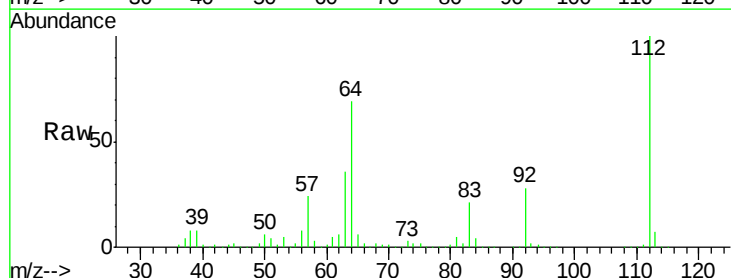
Tgt Ion:112 Resp: 1517335

Ion Ratio Lower Upper

112 100

64 68.8 36.6 55.0#

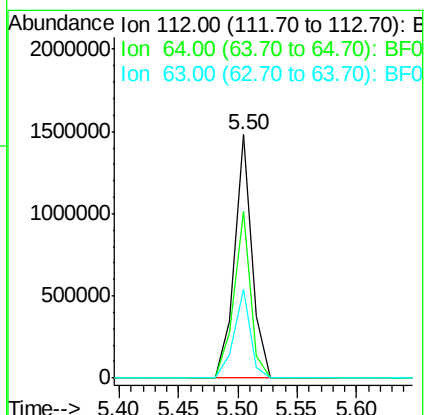
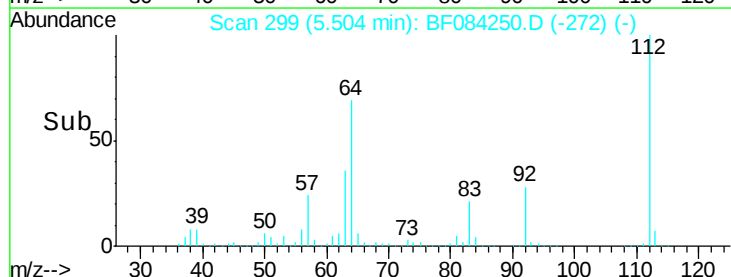
63 36.4 19.4 29.0#

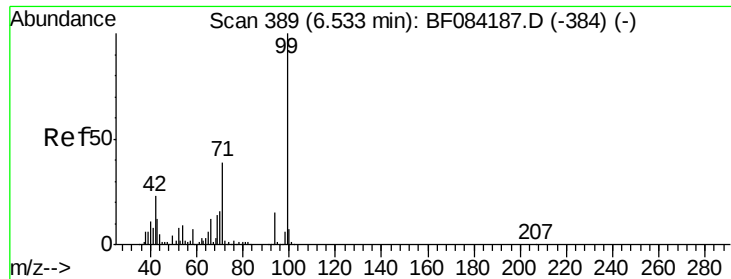


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.63 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

PJ-SB-110-1.5-2.0

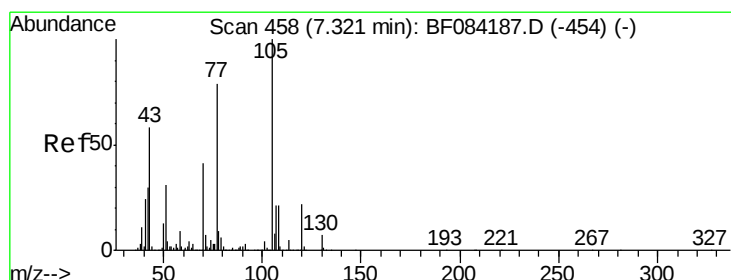
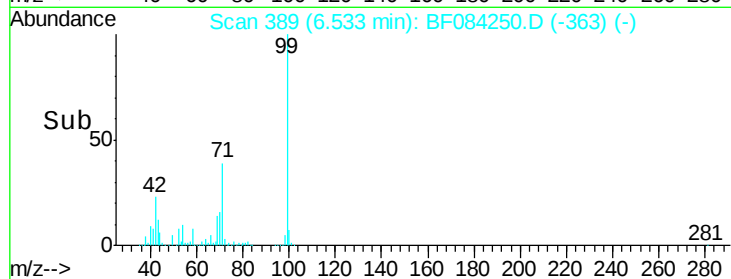
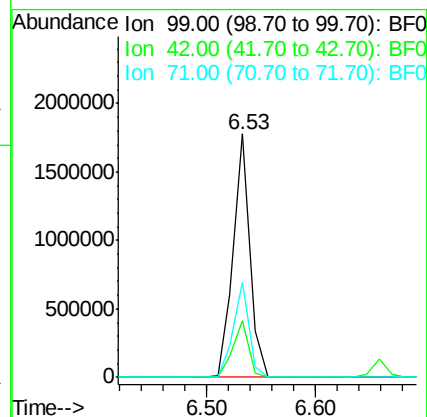
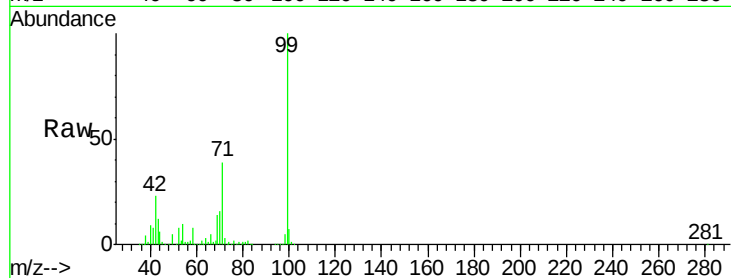
Tgt Ion: 99 Resp: 1878483

Ion Ratio Lower Upper

99 100

42 23.5 12.8 19.2#

71 39.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.43 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Tgt Ion: 70 Resp: 203042

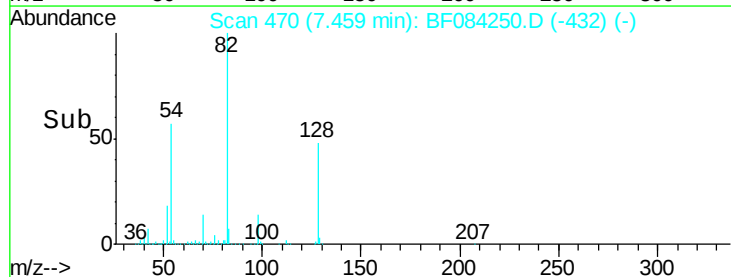
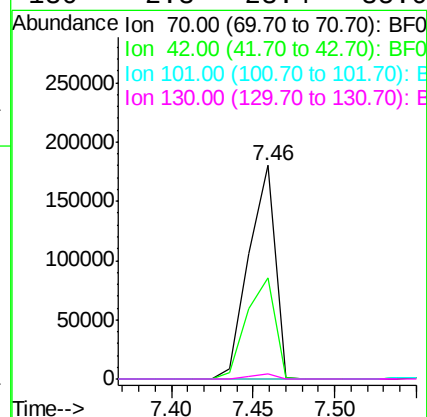
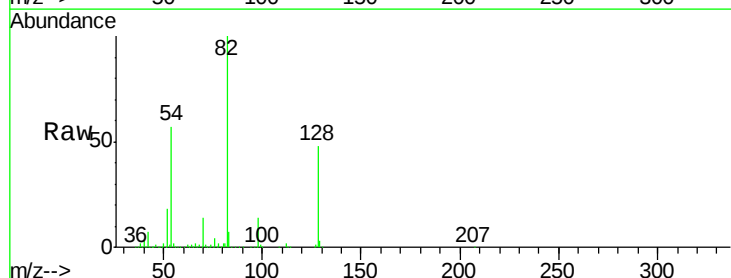
Ion Ratio Lower Upper

70 100

42 47.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

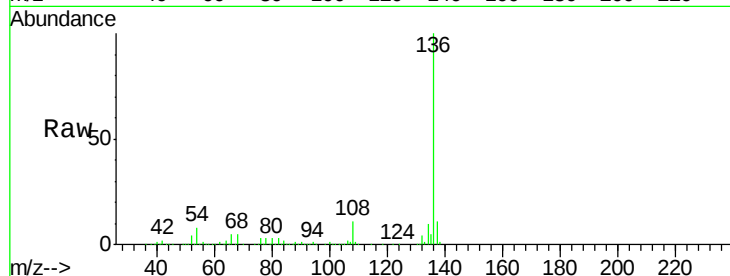




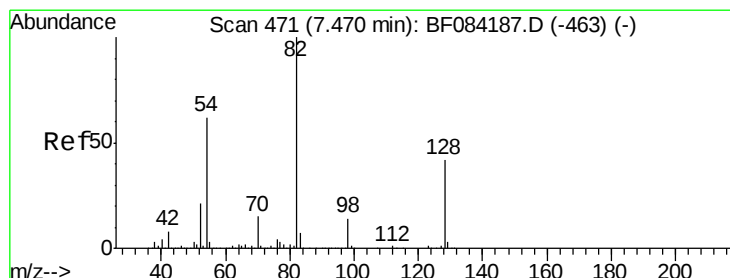
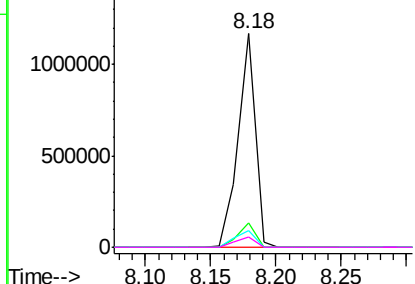
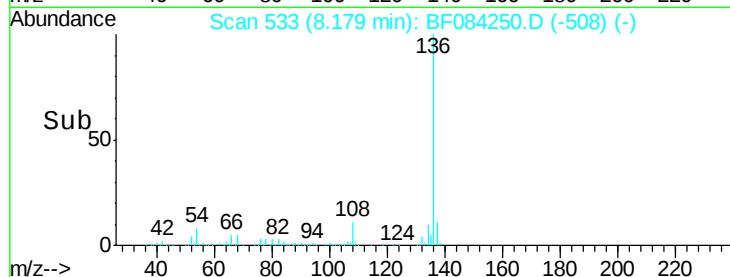
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

Instrument :
BNA_F
ClientSampleId :
PJ-SB-110-1.5-2.0

Tgt Ion:136 Resp: 1060411
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 7.8 5.8 8.8
68 4.6 4.2 6.2

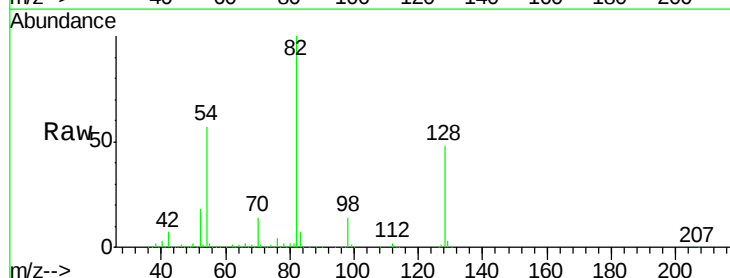


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

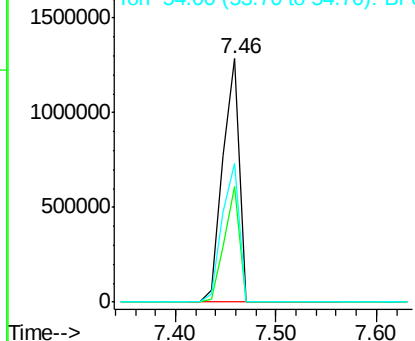
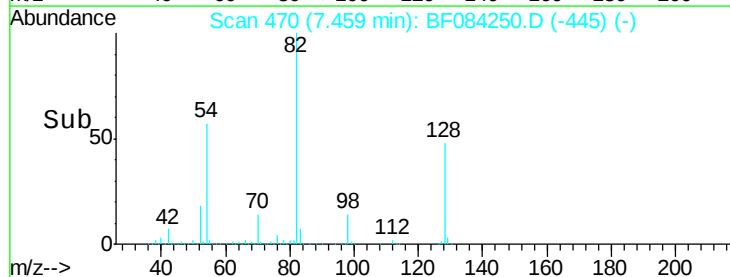


#23
Nitrobenzene-d5
Concen: 76.41 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

Tgt Ion: 82 Resp: 1455809
Ion Ratio Lower Upper
82 100
128 47.7 34.6 51.8
54 56.9 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





#32

Benzoic acid

Concen: 6.27 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.22 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

PJ-SB-110-1.5-2.0

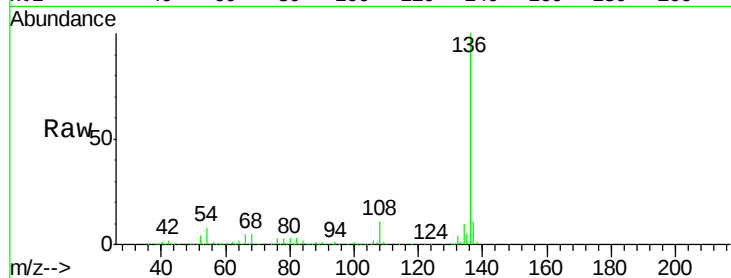
Tgt Ion:122 Resp: 234

Ion Ratio Lower Upper

122 100

105 292.4 100.3 140.3#

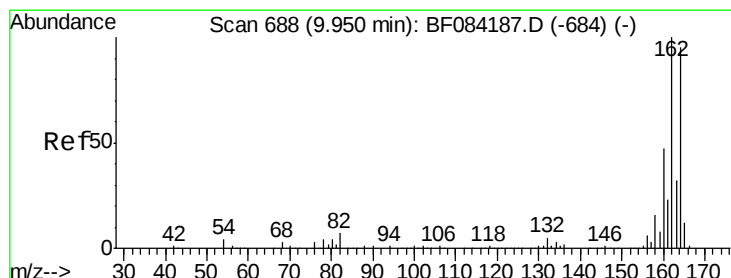
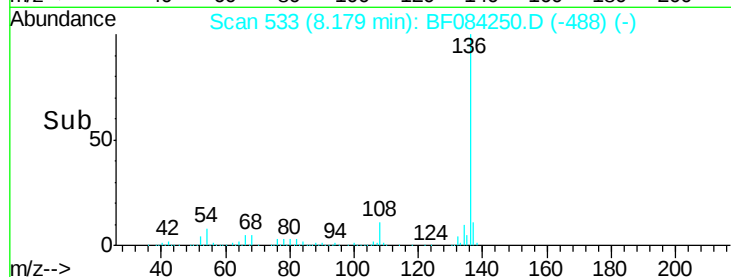
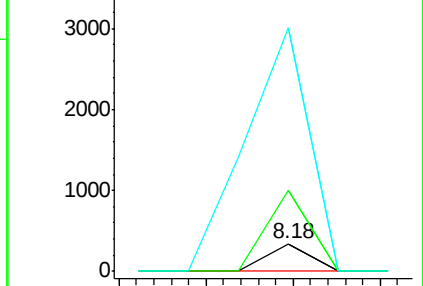
77 883.0 63.5 103.5#



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: BF084250.D

Acq: 4 Jan 2016 20:24

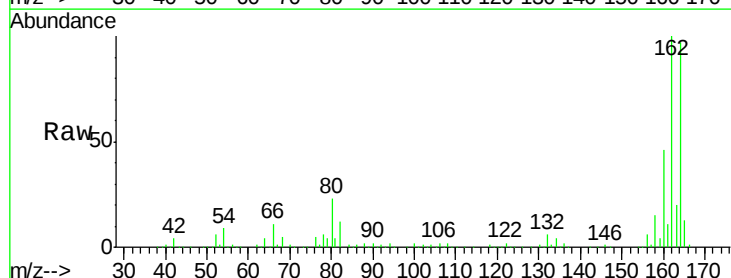
Tgt Ion:164 Resp: 454411

Ion Ratio Lower Upper

164 100

162 102.7 85.1 127.7

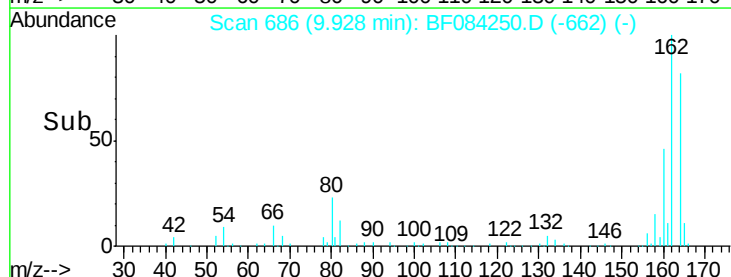
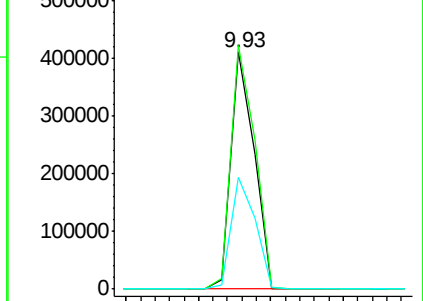
160 47.0 37.5 56.3

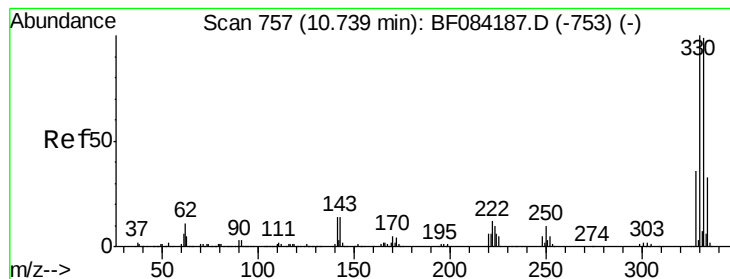


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

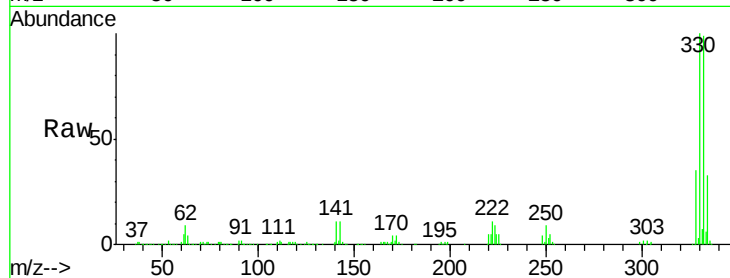




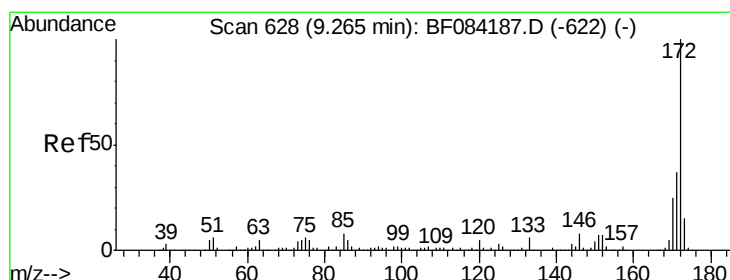
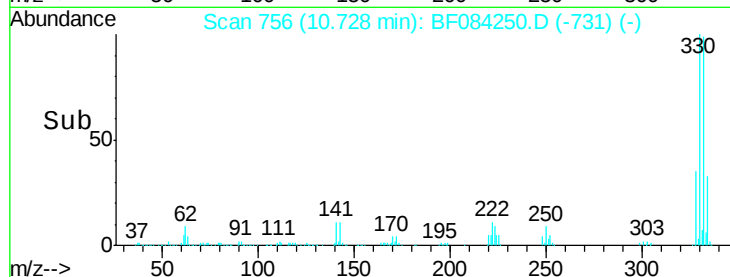
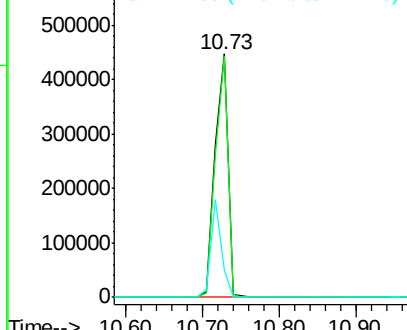
#41
 2,4,6-Tribromophenol
 Concen: 111.91 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084250.D
 Acq: 4 Jan 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-110-1.5-2.0

Tgt Ion:330 Resp: 513403
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 33.2 27.8 41.6

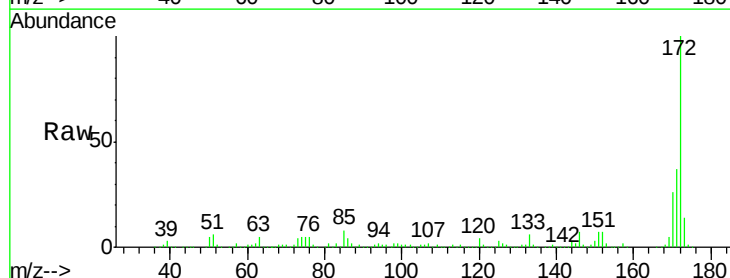


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

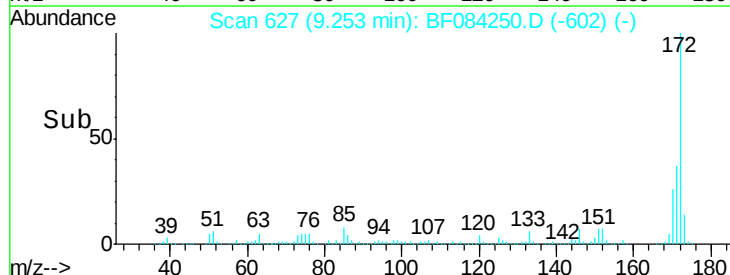
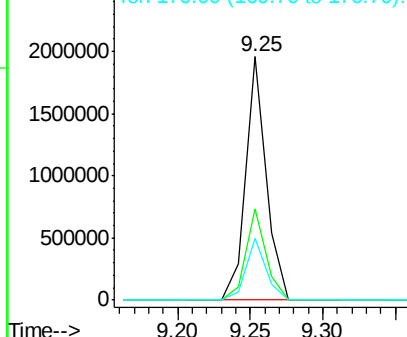


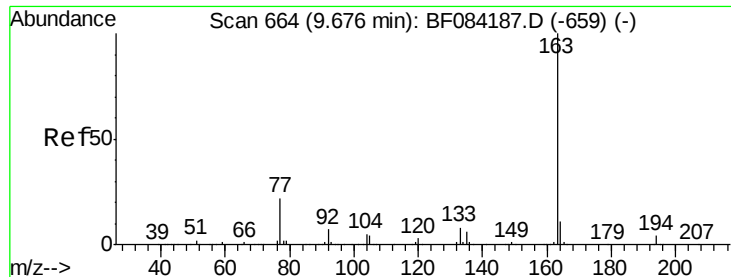
#44
 2-Fluorobiphenyl
 Concen: 73.38 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084250.D
 Acq: 4 Jan 2016 20:24

Tgt Ion:172 Resp: 1917882
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.5 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

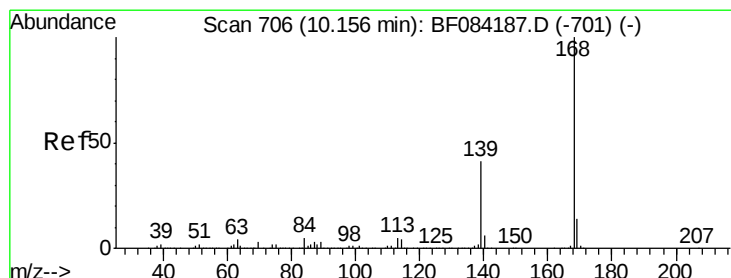
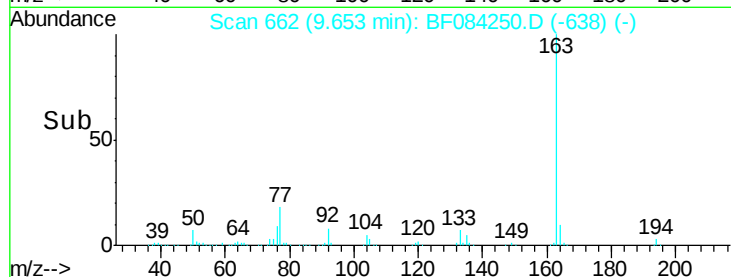
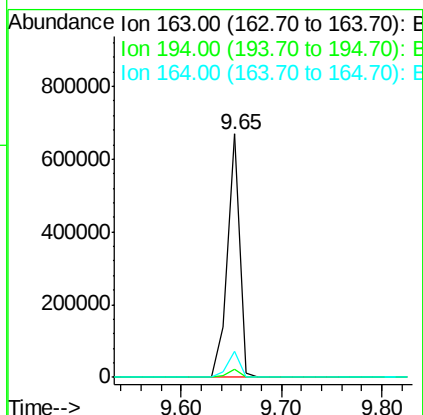
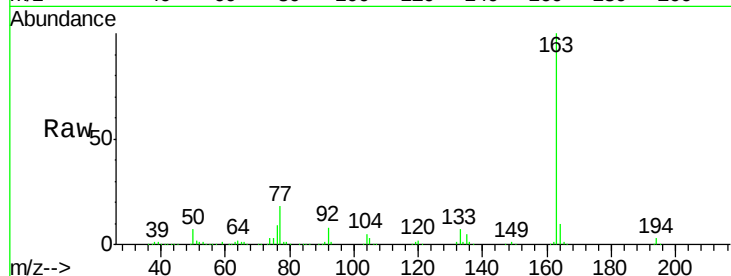




#49
Dimethylphthalate
Concen: 17.50 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

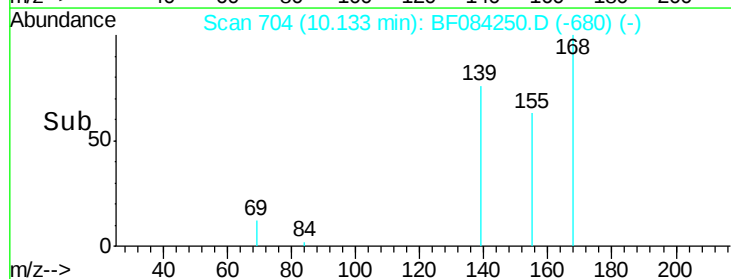
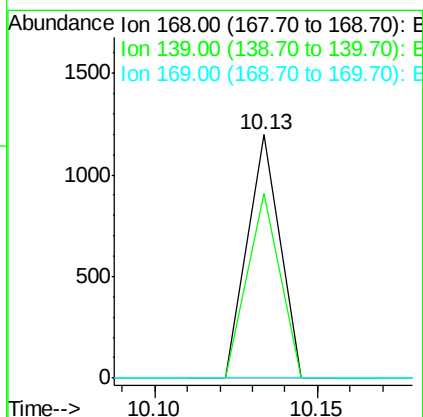
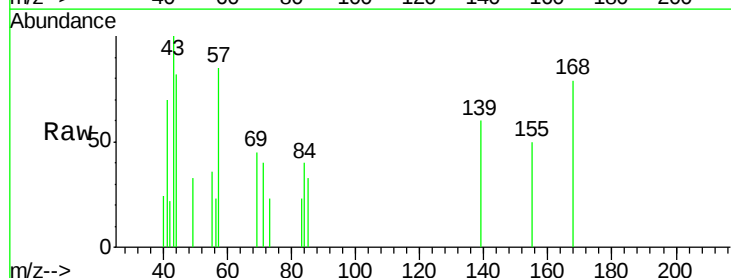
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PJ-SB-110-1.5-2.0

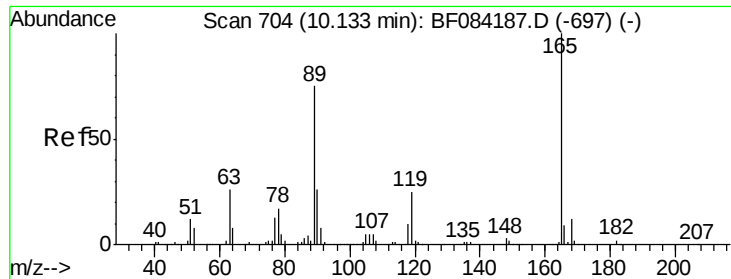
Tgt Ion:163 Resp: 568473
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.4 8.0 12.0



#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

Tgt Ion:168 Resp: 822
Ion Ratio Lower Upper
168 100
139 75.7 30.5 45.7#
169 0.0 10.4 15.6#

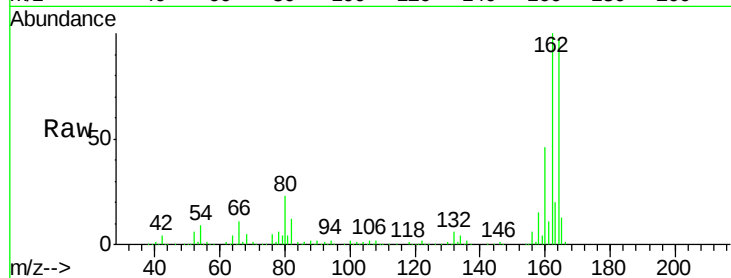




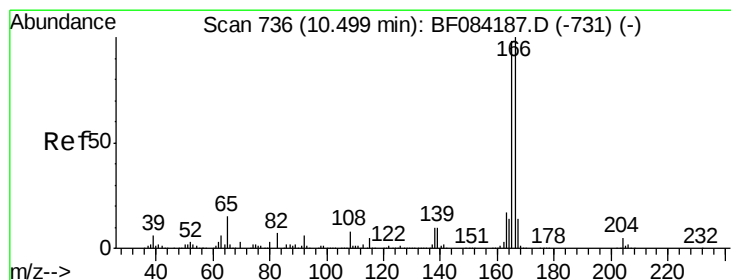
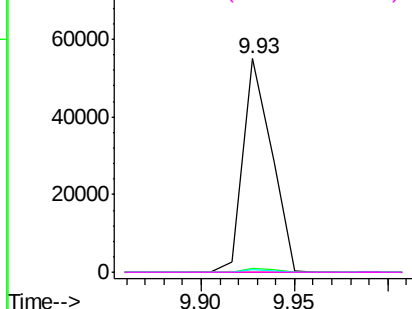
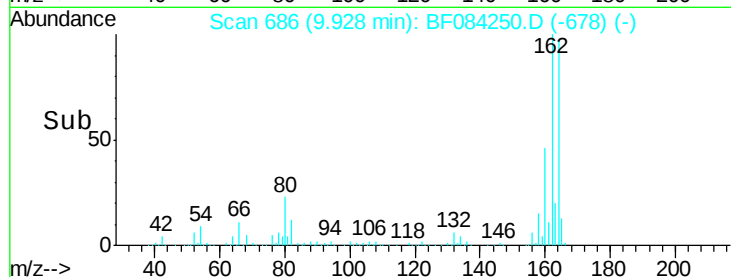
#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

Instrument :
BNA_F
ClientSampleId :
PJ-SB-110-1.5-2.0

Tgt Ion:165 Resp: 59118
Ion Ratio Lower Upper
165 100
63 1.6 36.7 55.1#
89 1.3 61.9 92.9#
182 0.0 2.0 3.0#

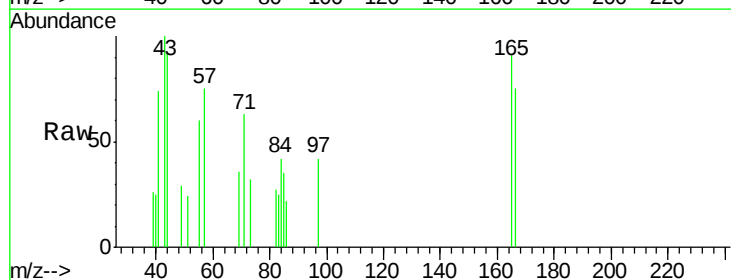


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

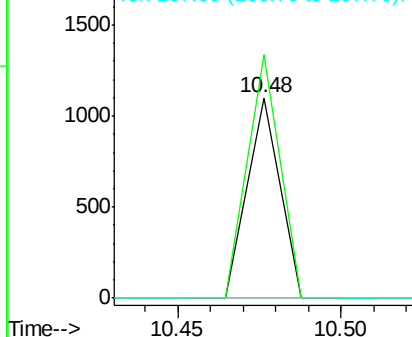
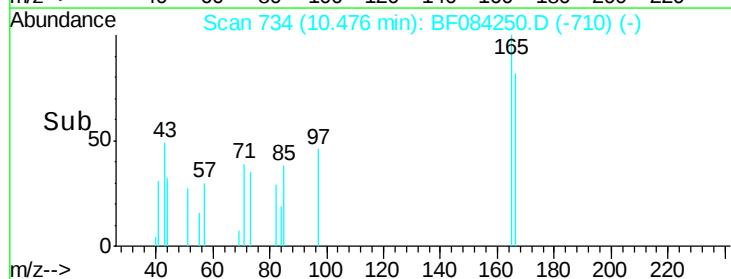


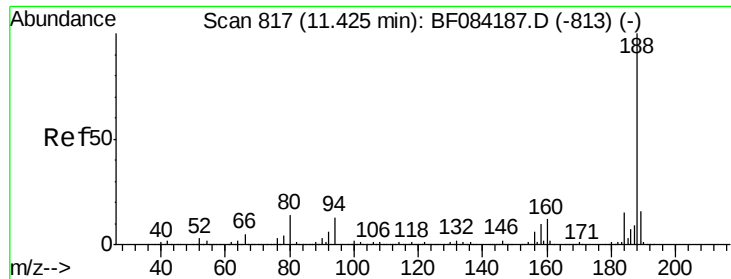
#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF084250.D
Acq: 4 Jan 2016 20:24

Tgt Ion:166 Resp: 755
Ion Ratio Lower Upper
166 100
165 121.4 79.1 118.7#
167 0.0 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

PJ-SB-110-1.5-2.0

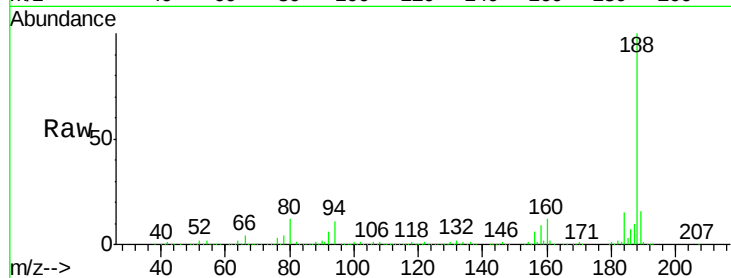
Tgt Ion:188 Resp: 782426

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

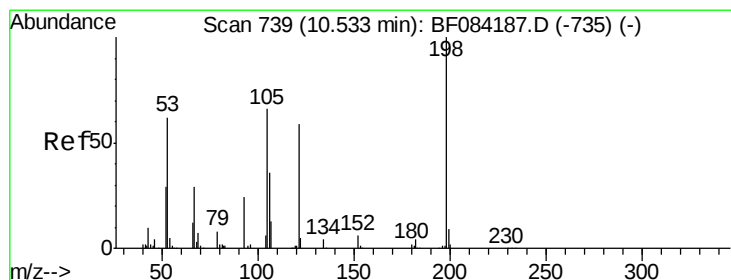
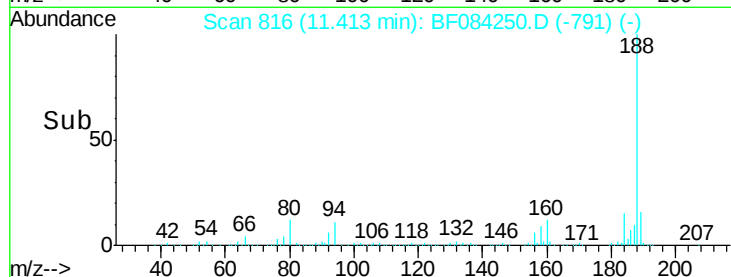
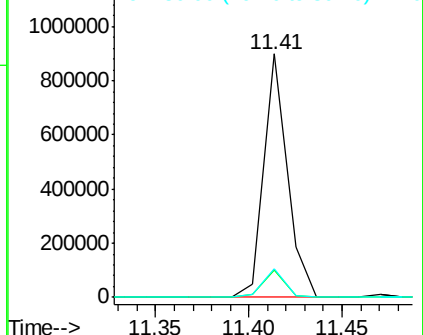
80 11.7 9.6 14.4



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: 6.62 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

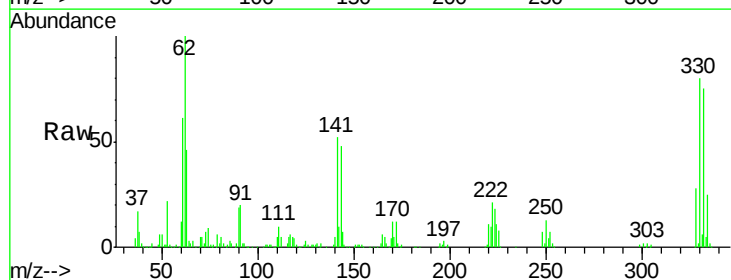
Tgt Ion:198 Resp: 1303

Ion Ratio Lower Upper

198 100

51 254.1 18.9 58.9#

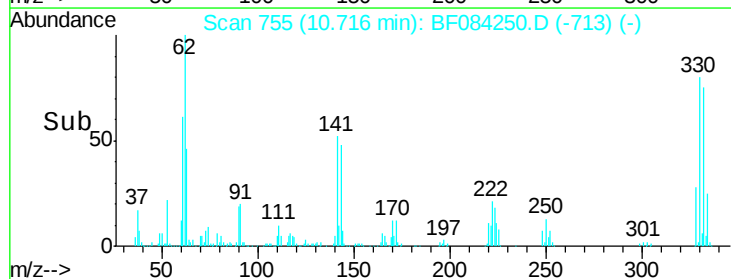
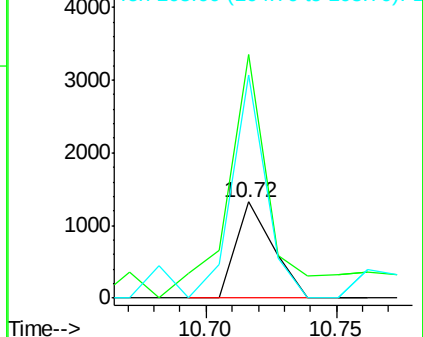
105 233.4 26.4 66.4#

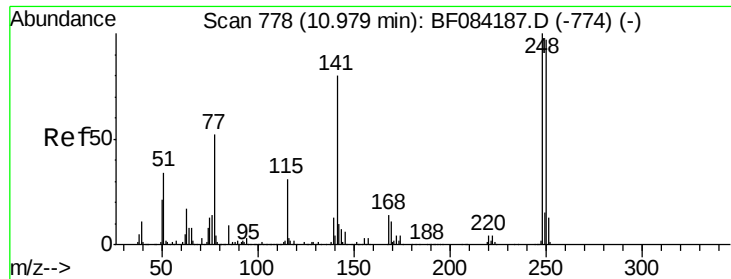


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.63 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.26 min

Lab File: BF084250.D

Acq: 4 Jan 2016 20:24

Instrument :

BNA_F

ClientSampleId :

PJ-SB-110-1.5-2.0

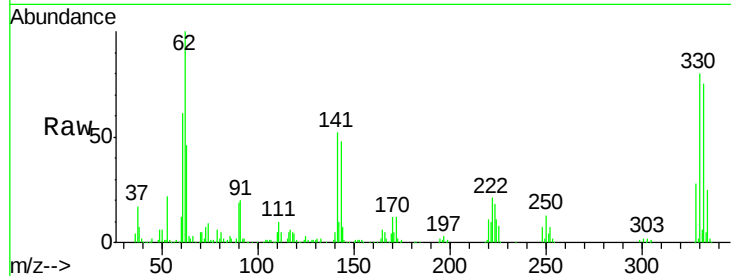
Tgt Ion:248 Resp: 30533

Ion Ratio Lower Upper

248 100

250 198.1 78.4 117.6#

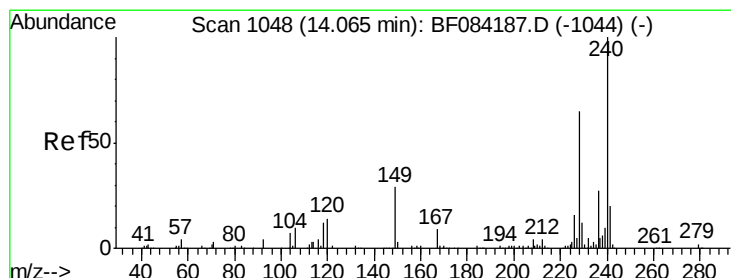
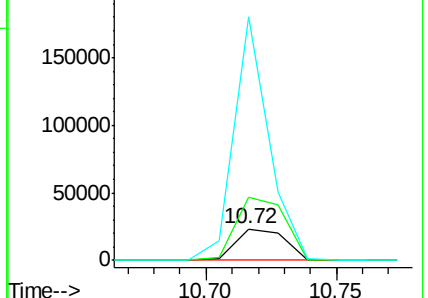
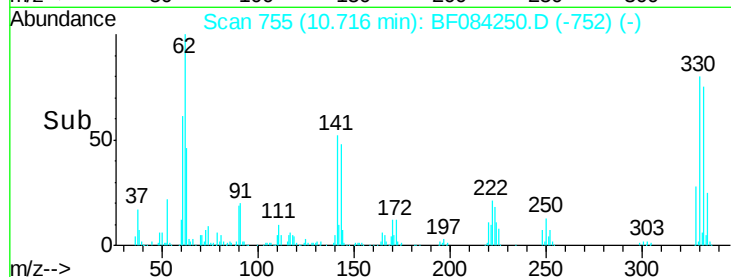
141 767.1 44.0 66.0#



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: BF084250.D

Acq: 4 Jan 2016 20:24

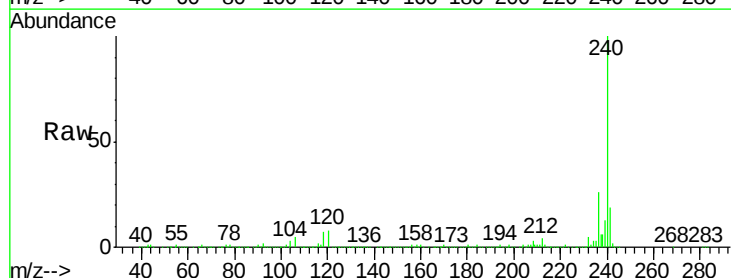
Tgt Ion:240 Resp: 520094

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

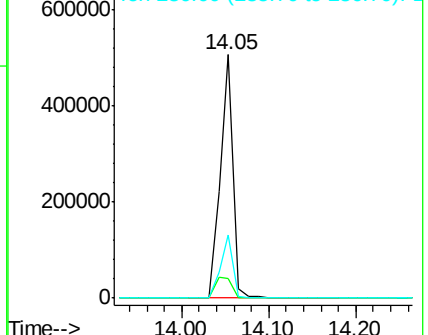
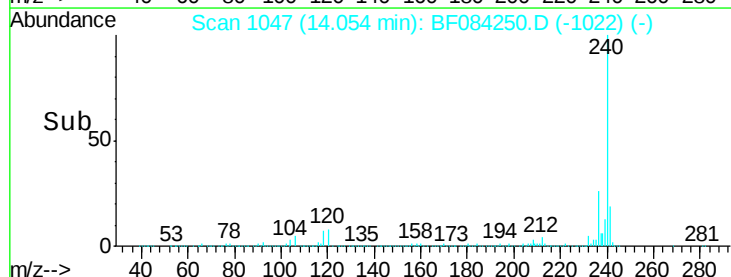
236 26.1 20.6 31.0

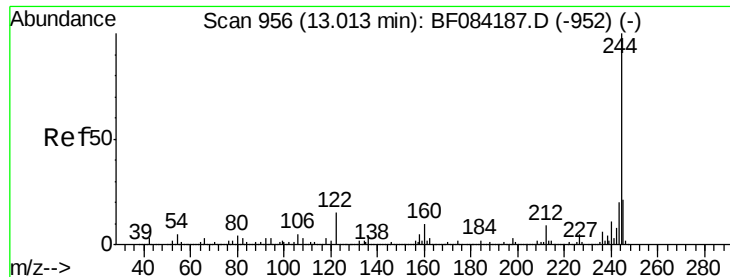


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

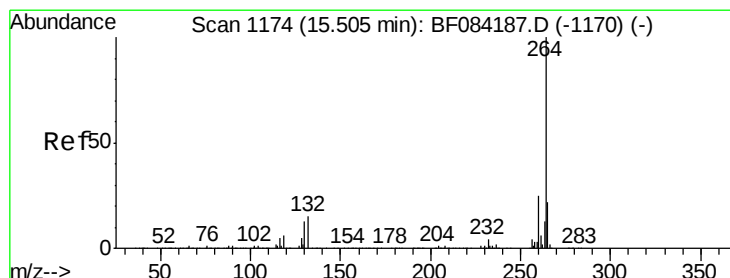
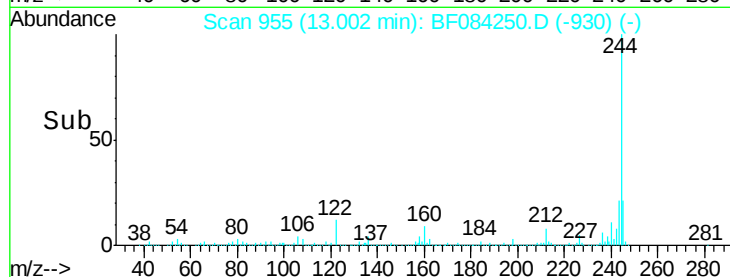
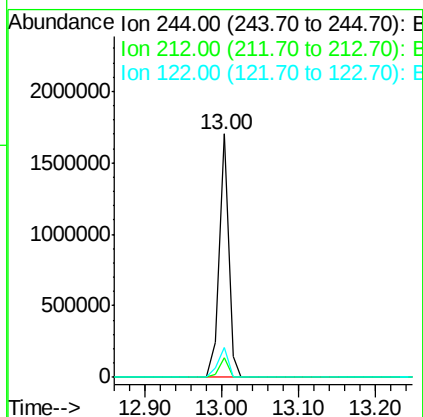
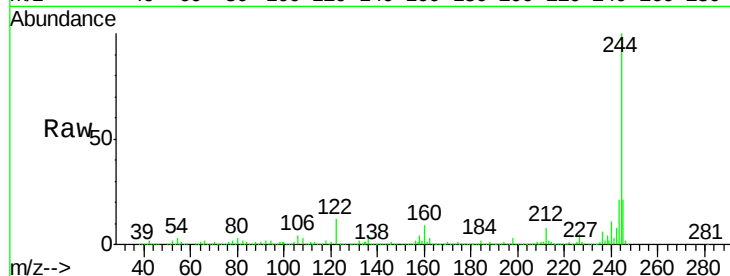




#78
 Terphenyl-d14
 Concen: 62.21 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF084250.D
 Acq: 4 Jan 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-110-1.5-2.0

Tgt Ion:244 Resp: 1449430
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 12.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF084250.D
 Acq: 4 Jan 2016 20:24

Tgt Ion:264 Resp: 519049
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.2 17.8 26.6

