

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084247.D
 Acq On : 4 Jan 2016 19:02
 Operator : UM/SJ
 Sample : G4986-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-10-1.5-2.0

Quant Time: Jan 05 01:30:34 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	6.89	152	271075	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1178472	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	509480	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	842531	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	566331	20.00	ng	-0.01
86) Perylene-d12	15.49	264	552949	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1806883	107.81	ng	0.01
7) Phenol-d6	6.53	99	2342283	111.28	ng	0.00
23) Nitrobenzene-d5	7.46	82	1564319	73.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	537682	104.53	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1990011	67.40	ng	-0.01
78) Terphenyl-d14	13.00	244	1404063	55.34	ng	-0.01

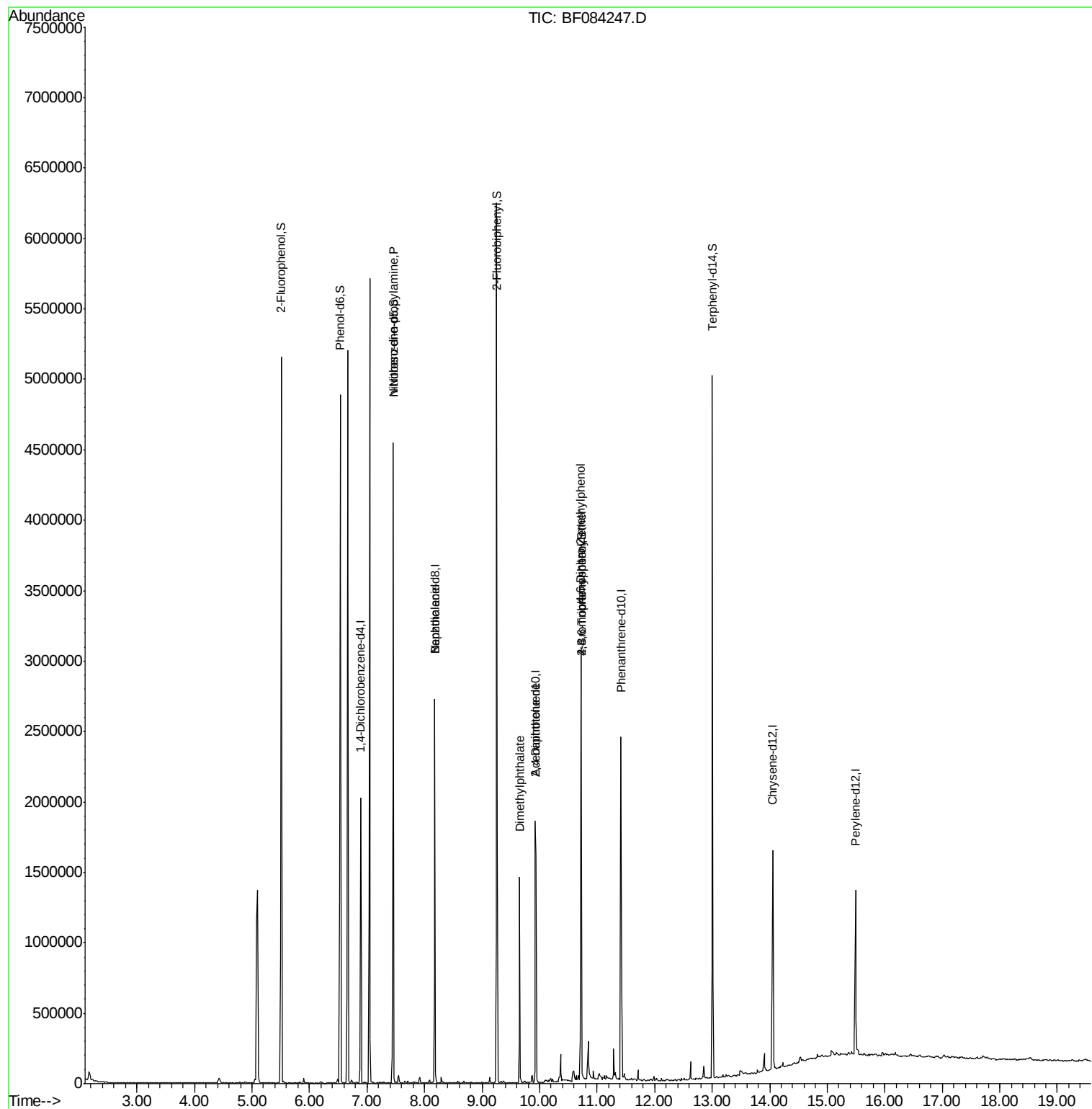
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	222949	15.65	ng	# 71
32) Benzoic acid	8.18	122	217	6.26	ng	# 1
49) Dimethylphthalate	9.65	163	548670	15.06	ng	# 91
54) Dibenzofuran	10.13	168	1013	Below Cal		# 83
56) 2,4-Dinitrotoluene	9.93	165	65797	6.51	ng	# 22
57) Fluorene	10.48	166	1391	Below Cal		# 71
64) 4,6-Dinitro-2-methylphenol	10.72	198	1230	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	32352	3.57	ng	# 1
73) Di-n-butylphthalate	11.99	149	15627	Below Cal		97

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

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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: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

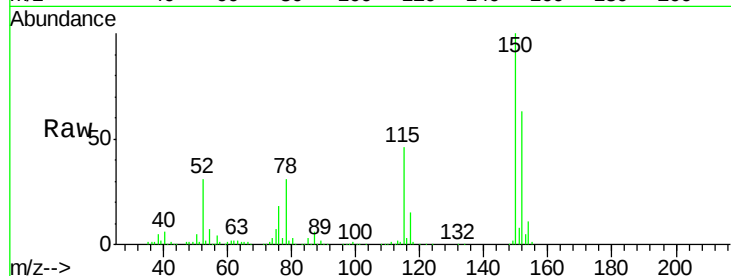
Tgt Ion:152 Resp: 271075

Ion Ratio Lower Upper

152 100

150 159.3 123.0 184.4

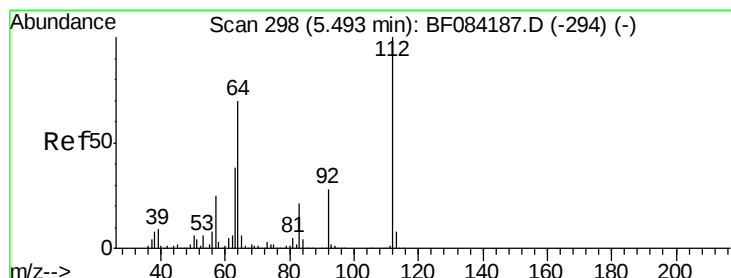
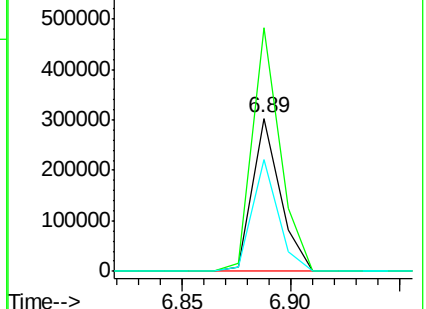
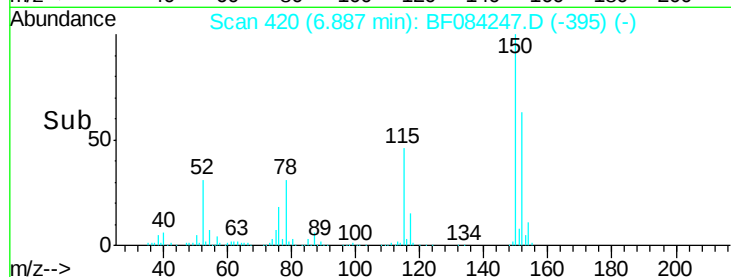
115 73.3 51.4 77.2



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: 107.81 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

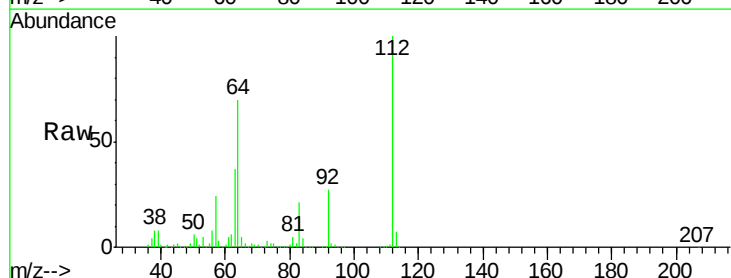
Tgt Ion:112 Resp: 1806883

Ion Ratio Lower Upper

112 100

64 69.8 36.6 55.0#

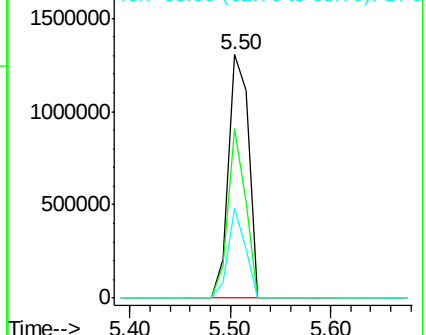
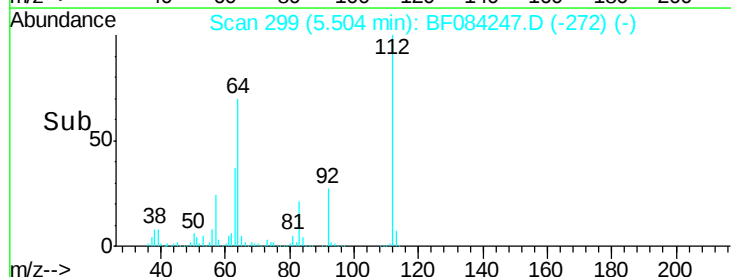
63 37.1 19.4 29.0#

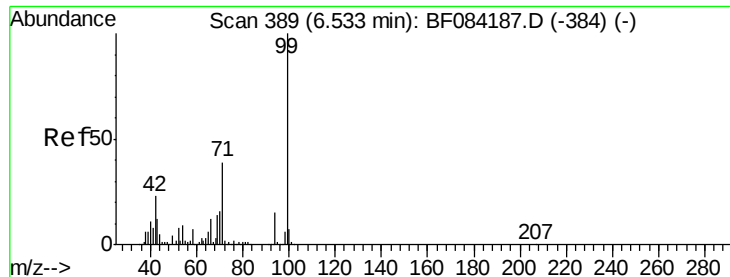


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.28 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

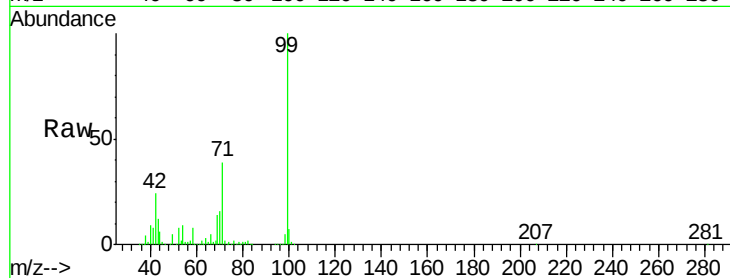
Tgt Ion: 99 Resp: 2342283

Ion Ratio Lower Upper

99 100

42 23.6 12.8 19.2#

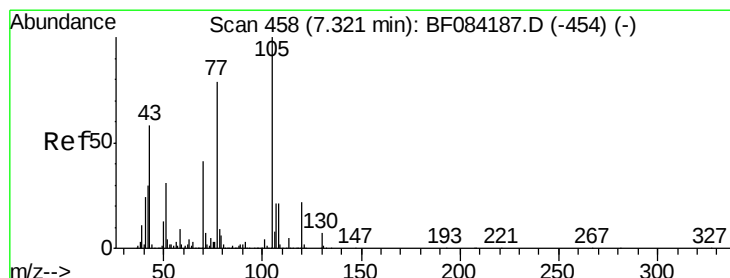
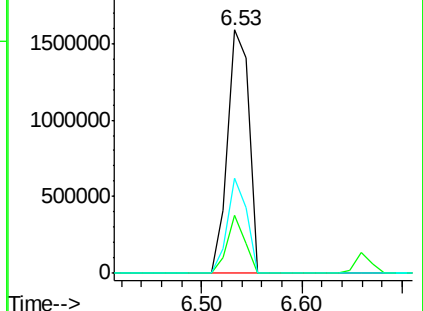
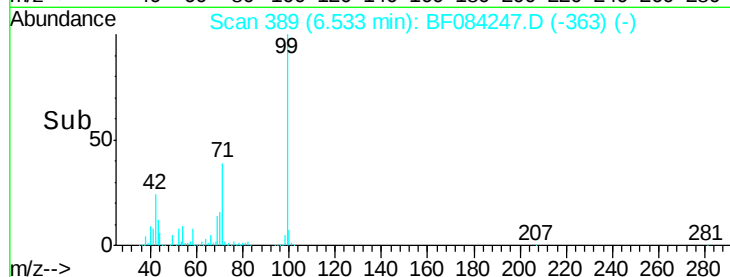
71 39.0 30.9 46.3



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: 15.65 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Tgt Ion: 70 Resp: 222949

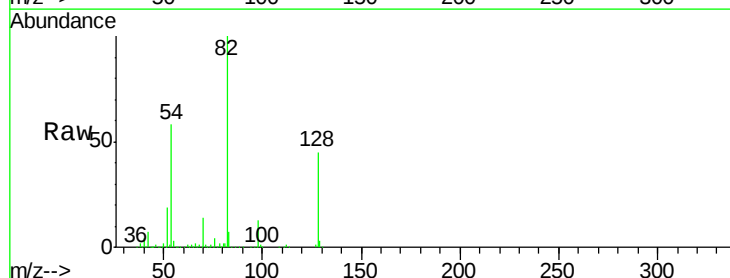
Ion Ratio Lower Upper

70 100

42 50.5 33.3 49.9#

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

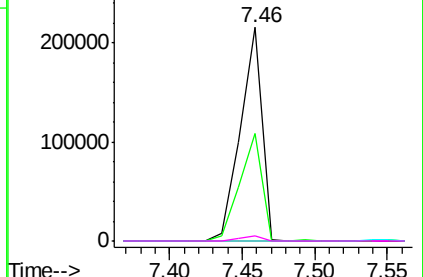
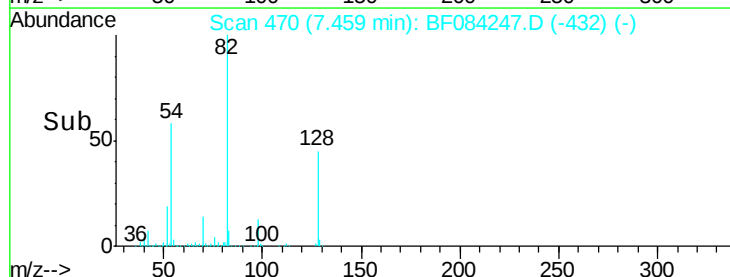


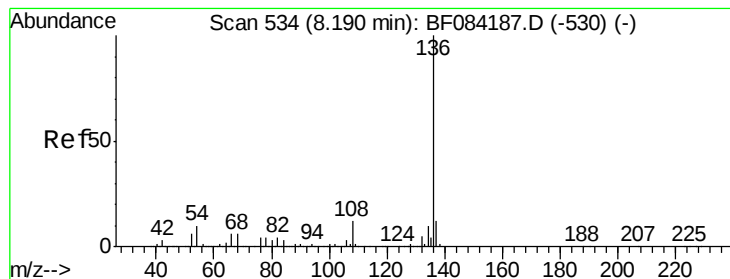
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

Tgt Ion:136 Resp: 1178472

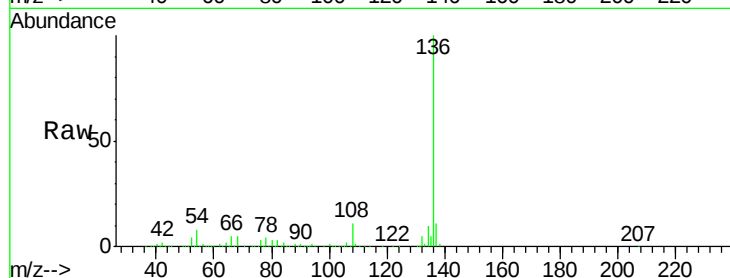
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.3 5.8 8.8

68 4.7 4.2 6.2

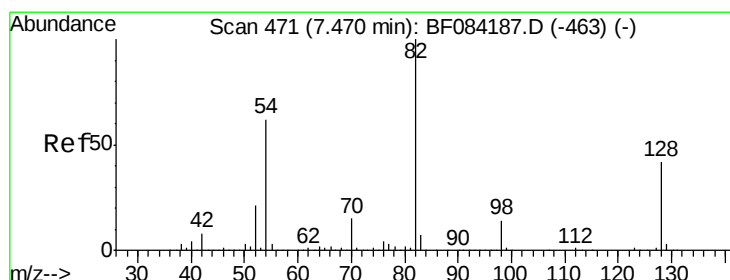
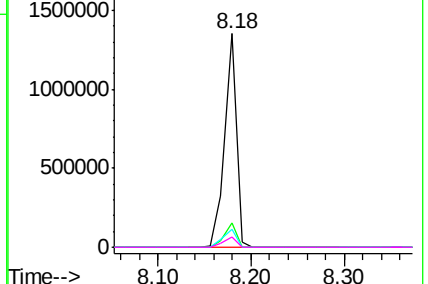
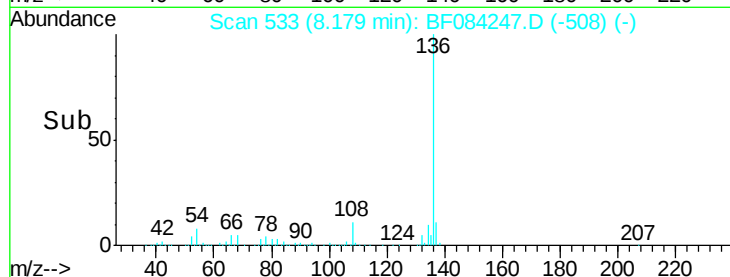


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.88 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

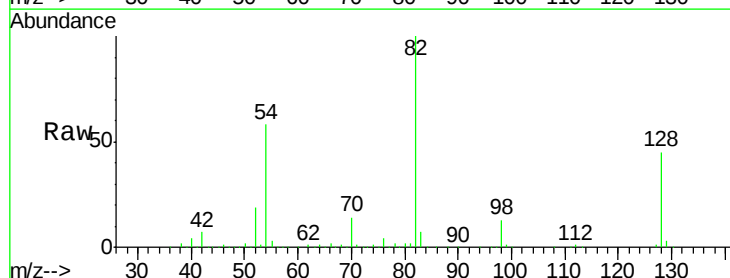
Tgt Ion: 82 Resp: 1564319

Ion Ratio Lower Upper

82 100

128 44.7 34.6 51.8

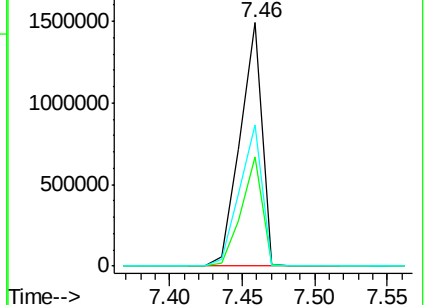
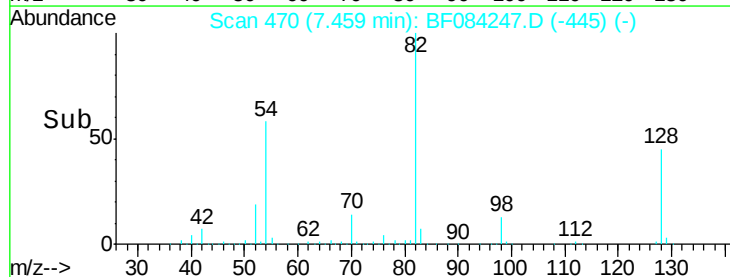
54 57.9 38.4 57.6#



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: 6.26 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.22 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

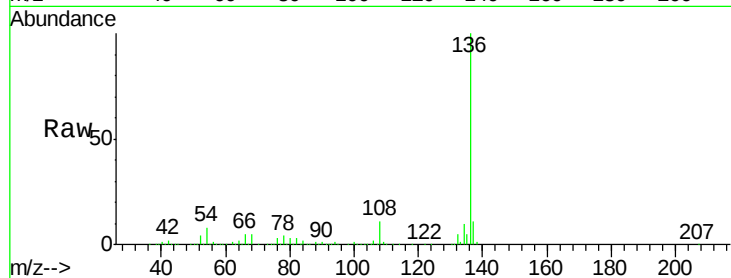
Tgt Ion:122 Resp: 217

Ion Ratio Lower Upper

122 100

105 370.6 100.3 140.3#

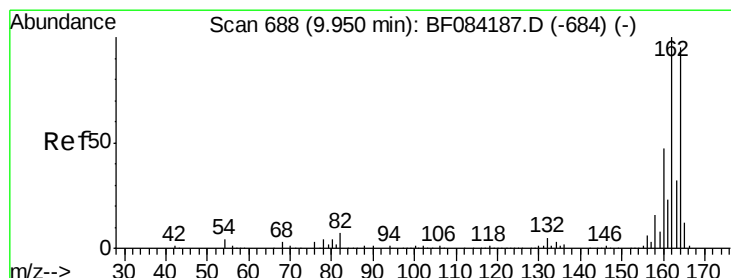
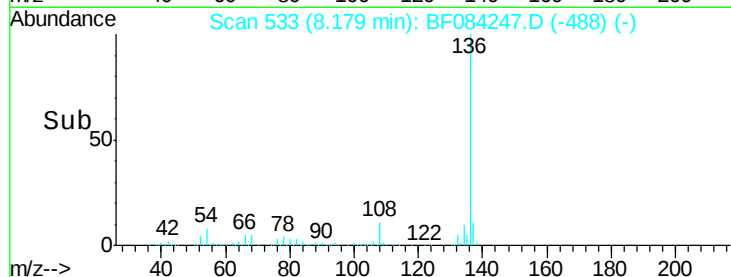
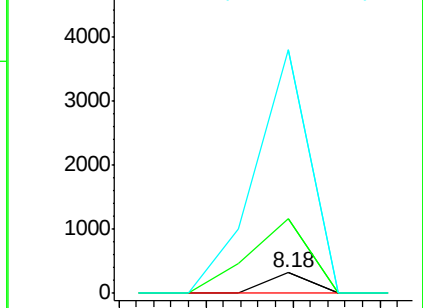
77 1199.1 63.5 103.5#



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: BF084247.D

Acq: 4 Jan 2016 19:02

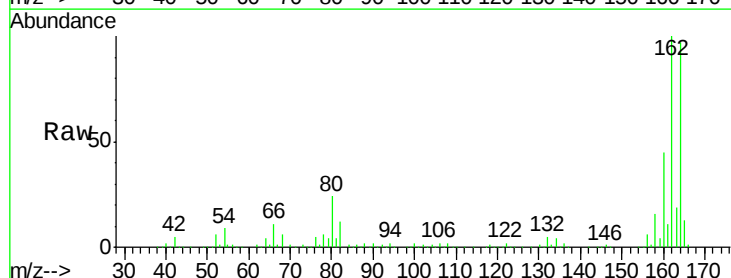
Tgt Ion:164 Resp: 509480

Ion Ratio Lower Upper

164 100

162 103.2 85.1 127.7

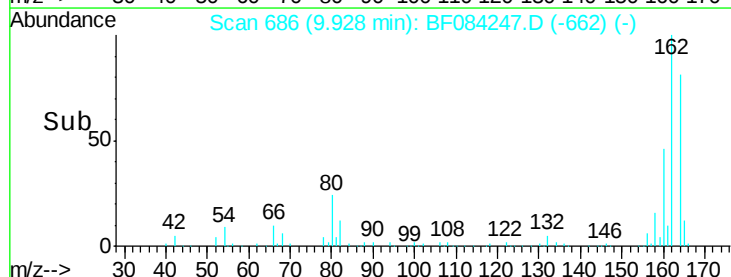
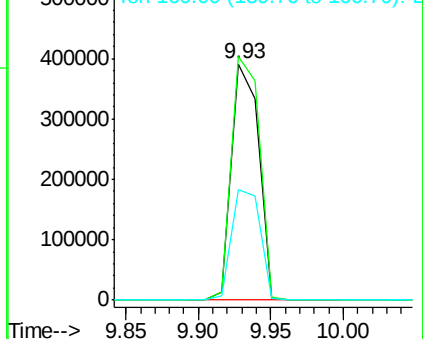
160 46.7 37.5 56.3

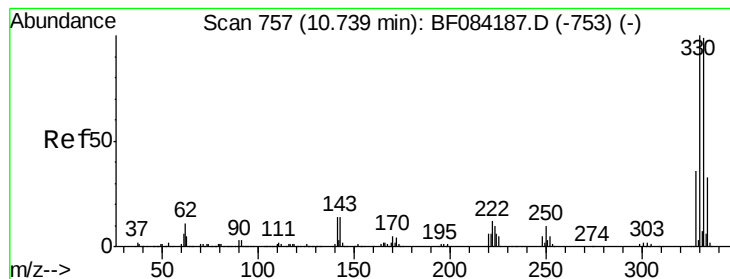


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

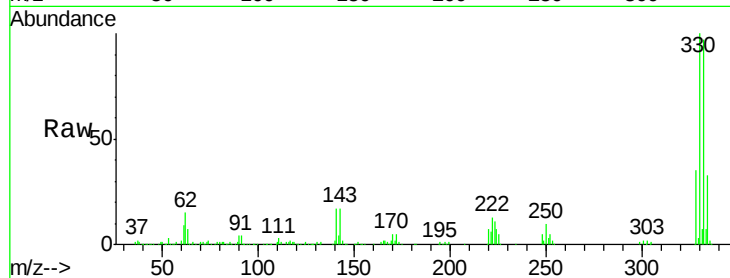




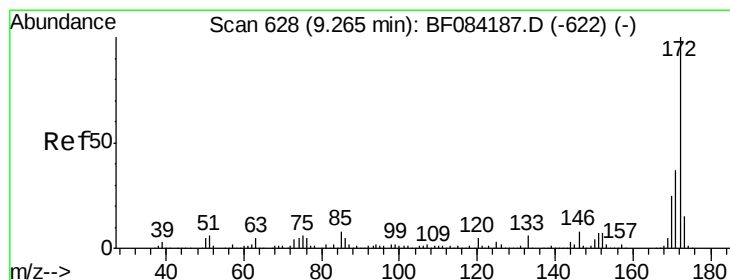
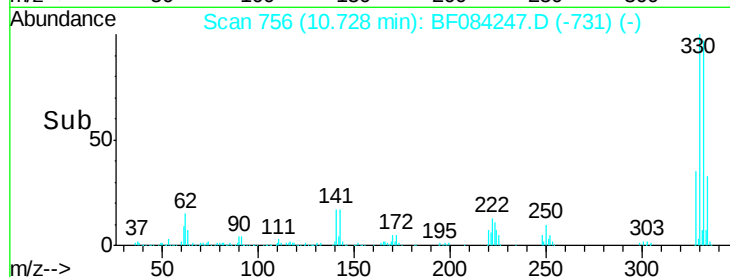
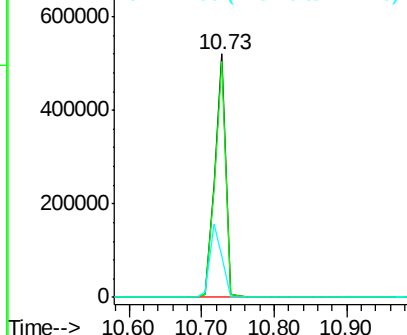
#41
 2,4,6-Tribromophenol
 Concen: 104.53 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084247.D
 Acq: 4 Jan 2016 19:02

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-10-1.5-2.0

Tgt Ion:330 Resp: 537682
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 33.6 27.8 41.6

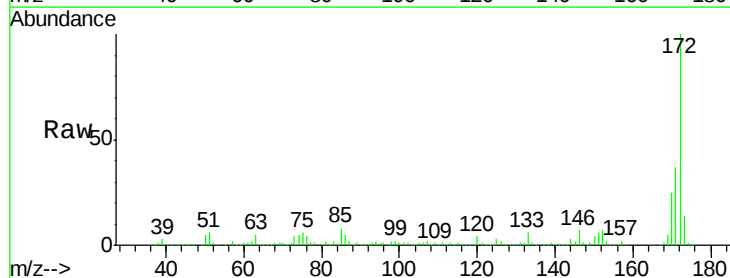


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

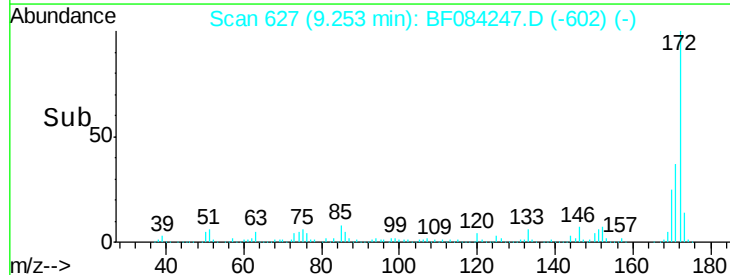
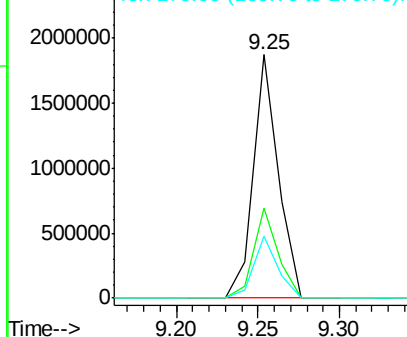


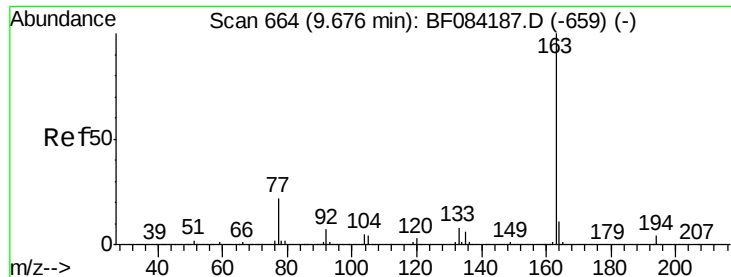
#44
 2-Fluorobiphenyl
 Concen: 67.40 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084247.D
 Acq: 4 Jan 2016 19:02

Tgt Ion:172 Resp: 1990011
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 25.2 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

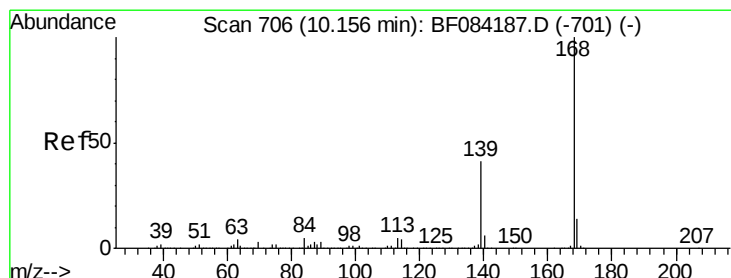
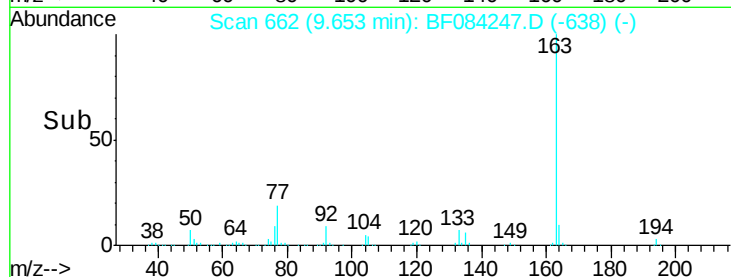
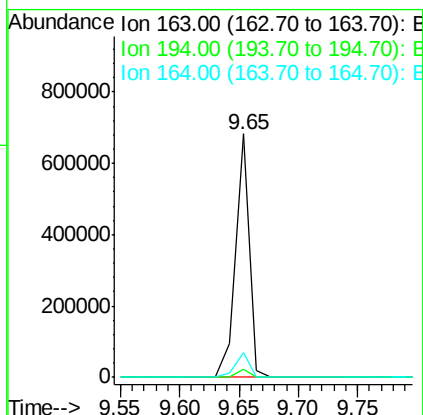
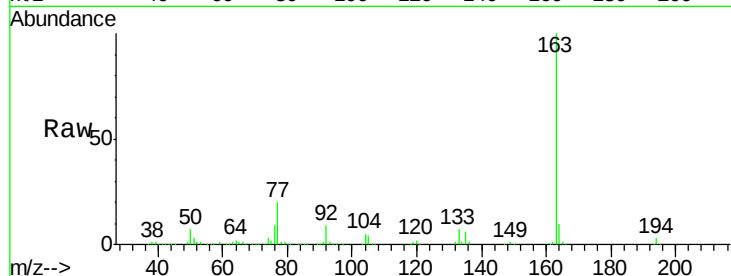




#49
Dimethylphthalate
Concen: 15.06 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

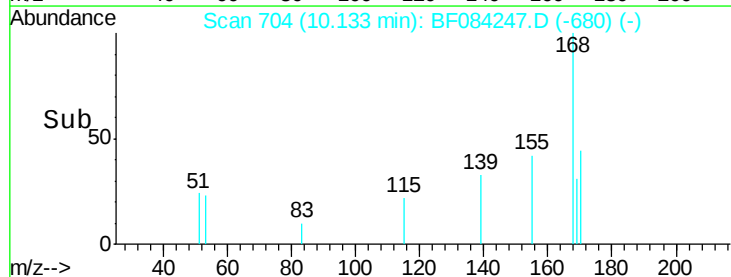
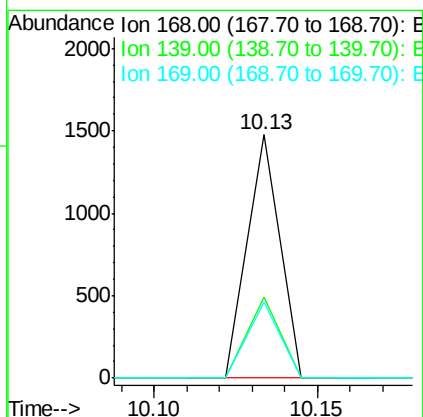
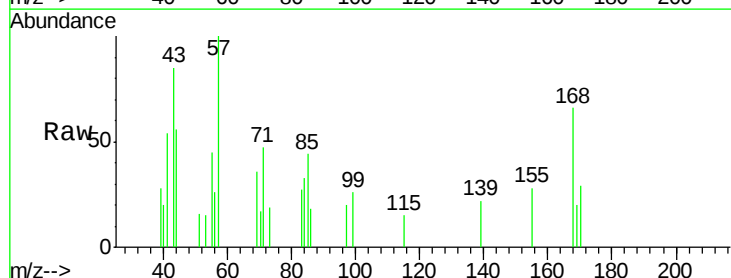
Instrument :
BNA_F
ClientSampleId :
PJ-SB-10-1.5-2.0

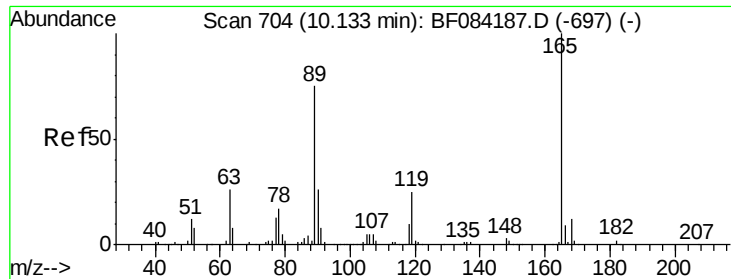
Tgt Ion:163 Resp: 548670
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.1 8.0 12.0



#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:168 Resp: 1013
Ion Ratio Lower Upper
168 100
139 33.4 30.5 45.7
169 31.1 10.4 15.6#

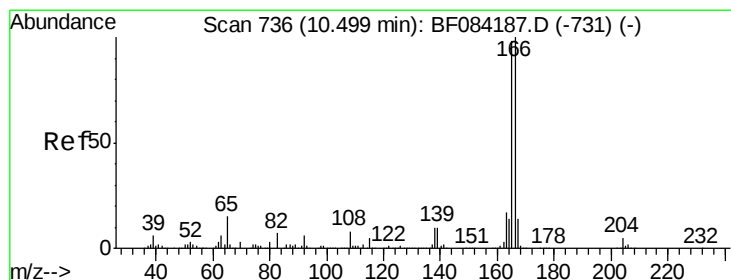
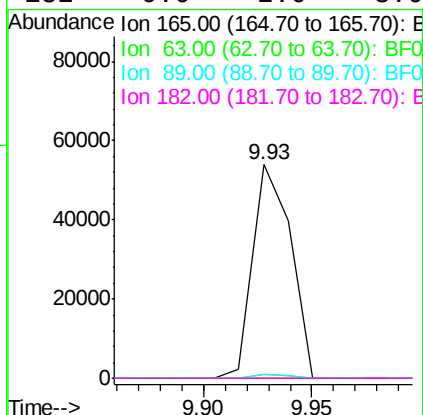
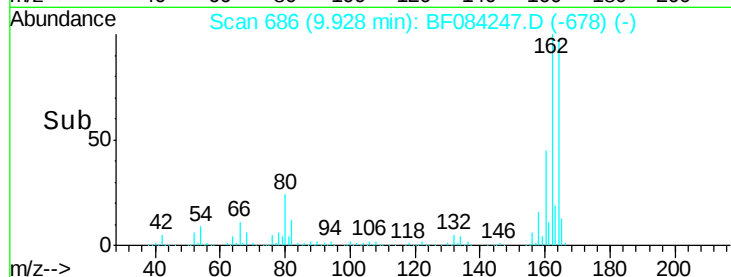
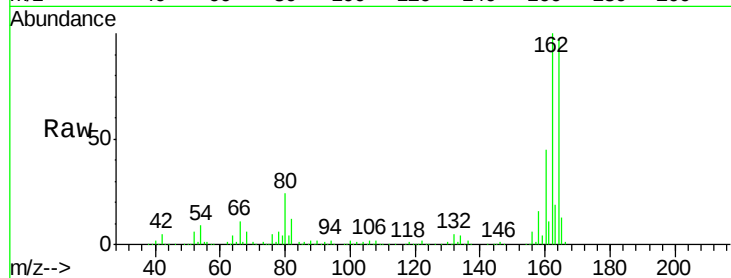




#56
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.21 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

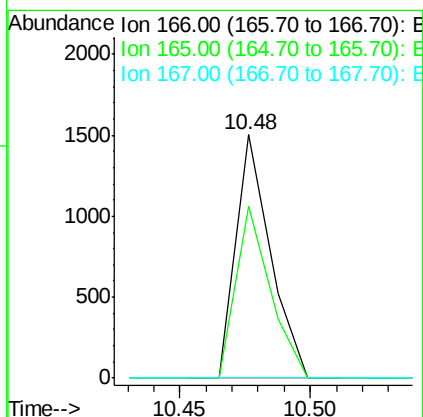
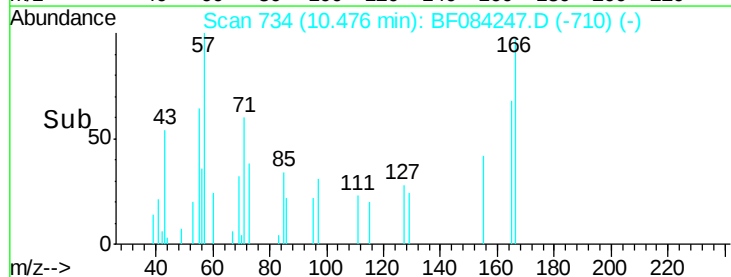
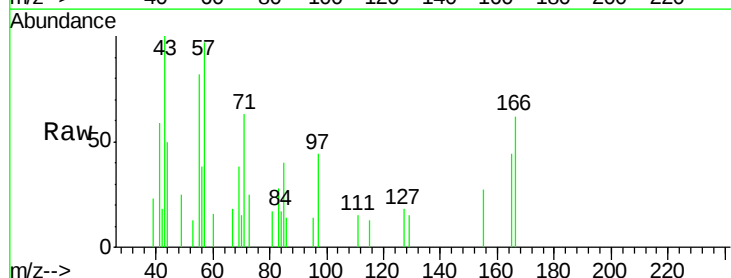
Instrument :
BNA_F
ClientSampleId :
PJ-SB-10-1.5-2.0

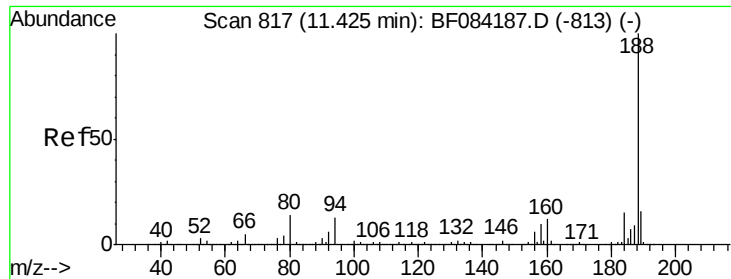
Tgt Ion:165 Resp: 65797
Ion Ratio Lower Upper
165 100
63 1.6 36.7 55.1#
89 1.9 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.02 min
Lab File: BF084247.D
Acq: 4 Jan 2016 19:02

Tgt Ion:166 Resp: 1391
Ion Ratio Lower Upper
166 100
165 70.8 79.1 118.7#
167 0.0 10.4 15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

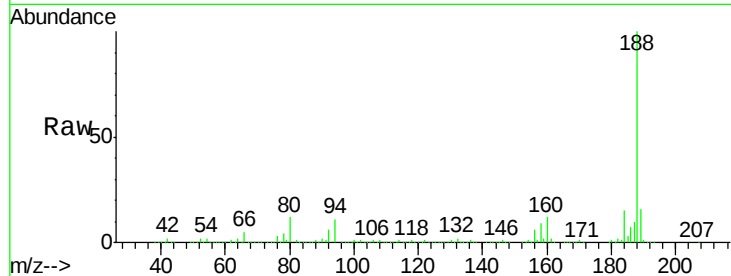
Tgt Ion:188 Resp: 842531

Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.4

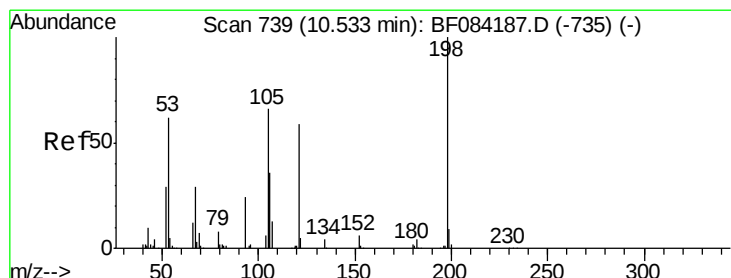
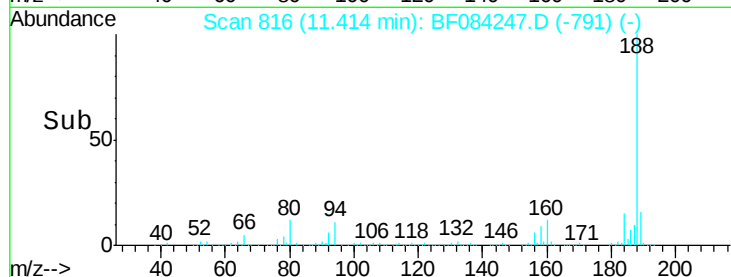
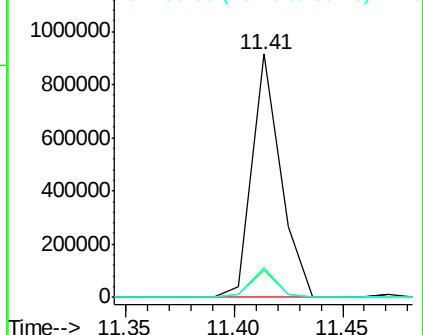
80 12.3 9.6 14.4



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: 6.60 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

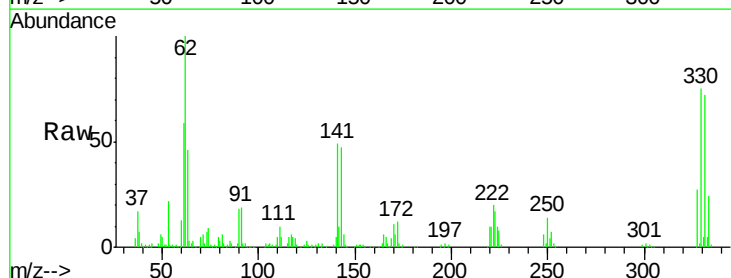
Tgt Ion:198 Resp: 1230

Ion Ratio Lower Upper

198 100

51 267.7 18.9 58.9#

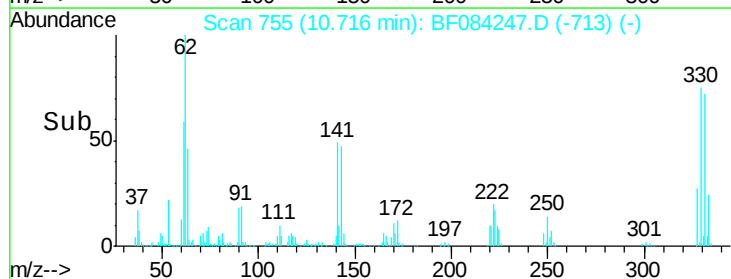
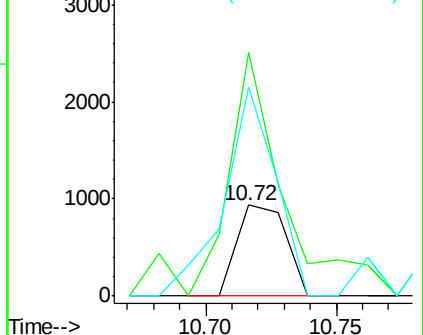
105 230.2 26.4 66.4#

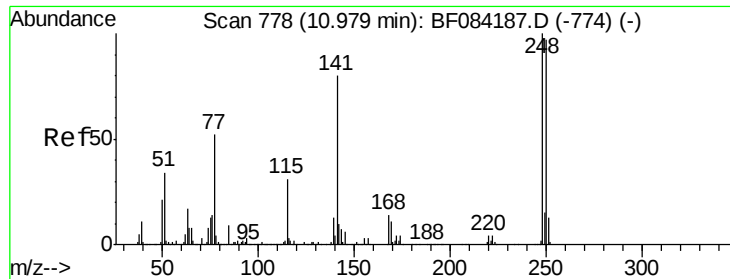


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.57 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

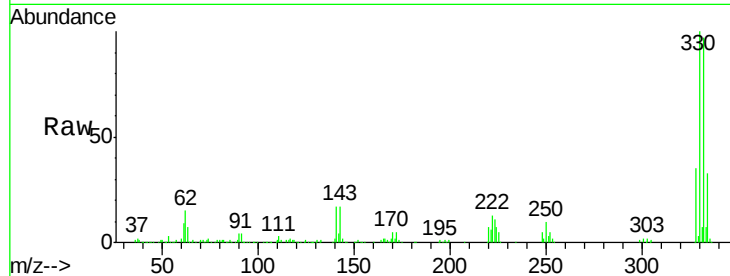
Tgt Ion:248 Resp: 32352

Ion Ratio Lower Upper

248 100

250 196.1 78.4 117.6#

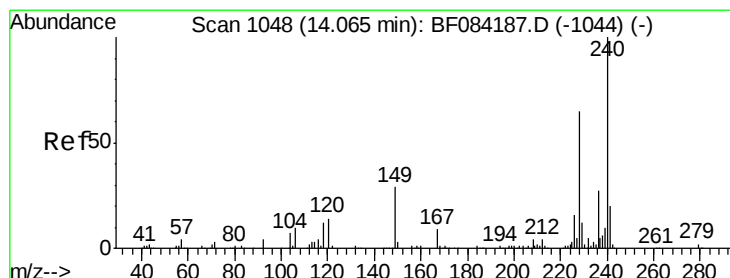
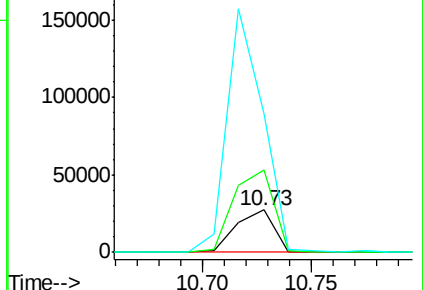
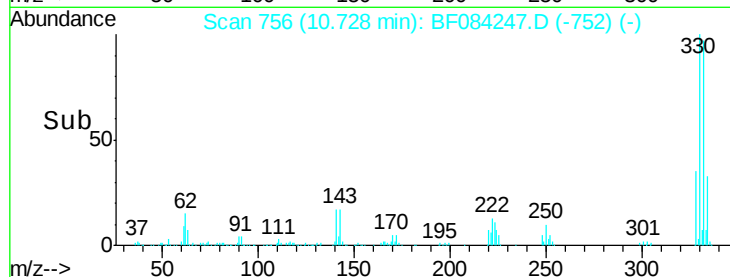
141 329.1 44.0 66.0#



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: BF084247.D

Acq: 4 Jan 2016 19:02

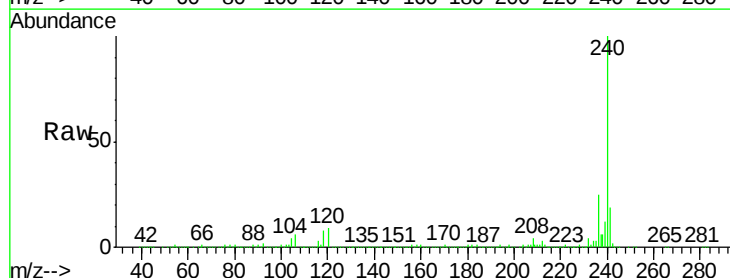
Tgt Ion:240 Resp: 566331

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

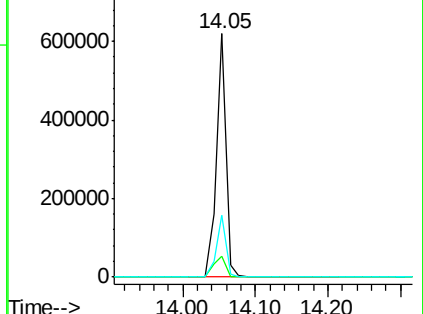
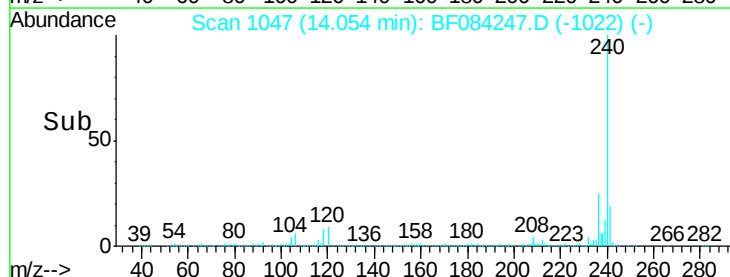
236 25.1 20.6 31.0

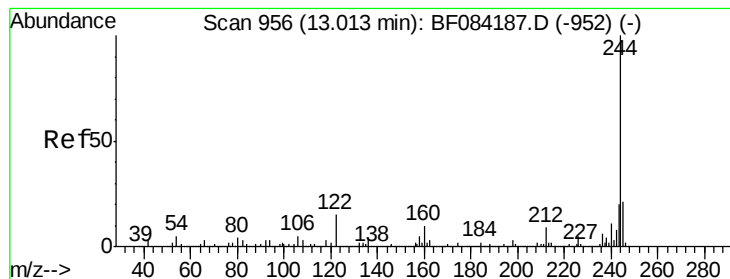


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 55.34 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-1.5-2.0

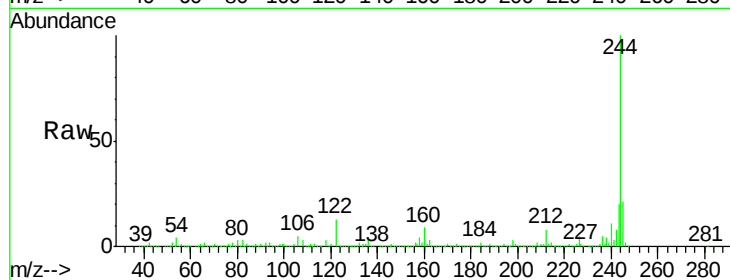
Tgt Ion:244 Resp: 1404063

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

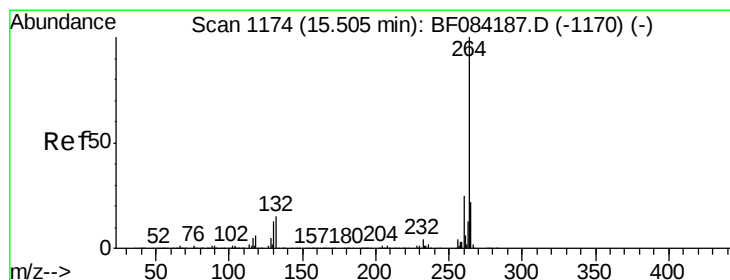
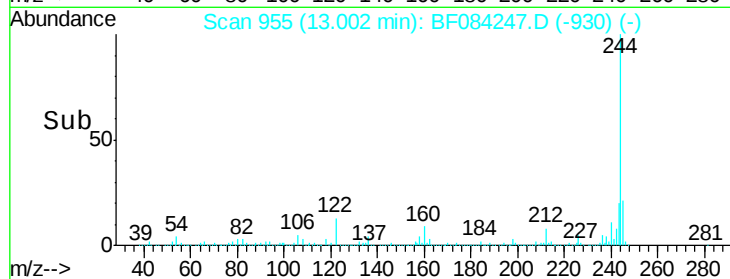
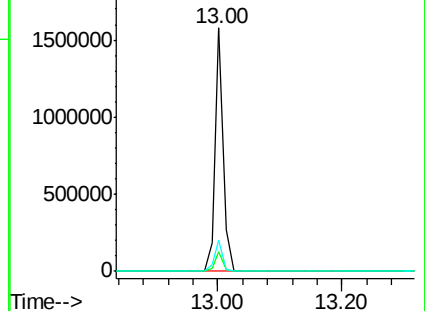
122 12.9 7.4 11.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084247.D

Acq: 4 Jan 2016 19:02

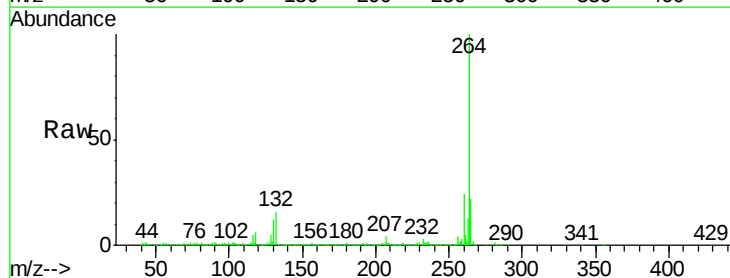
Tgt Ion:264 Resp: 552949

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 22.3 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

