

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084249.D
 Acq On : 4 Jan 2016 19:57
 Operator : UM/SJ
 Sample : G4986-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-4-1.5-2.0

Quant Time: Jan 05 01:31:00 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	263846	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1136378	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	485746	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	818244	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	575692	20.00	ng	-0.01
86) Perylene-d12	15.49	264	544993	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1427629	87.52	ng	0.01
7) Phenol-d6	6.53	99	1717017	83.81	ng	0.00
23) Nitrobenzene-d5	7.46	82	1338131	65.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	477066	97.28	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1724656	60.65	ng	-0.01
78) Terphenyl-d14	13.00	244	1358408	52.67	ng	-0.01

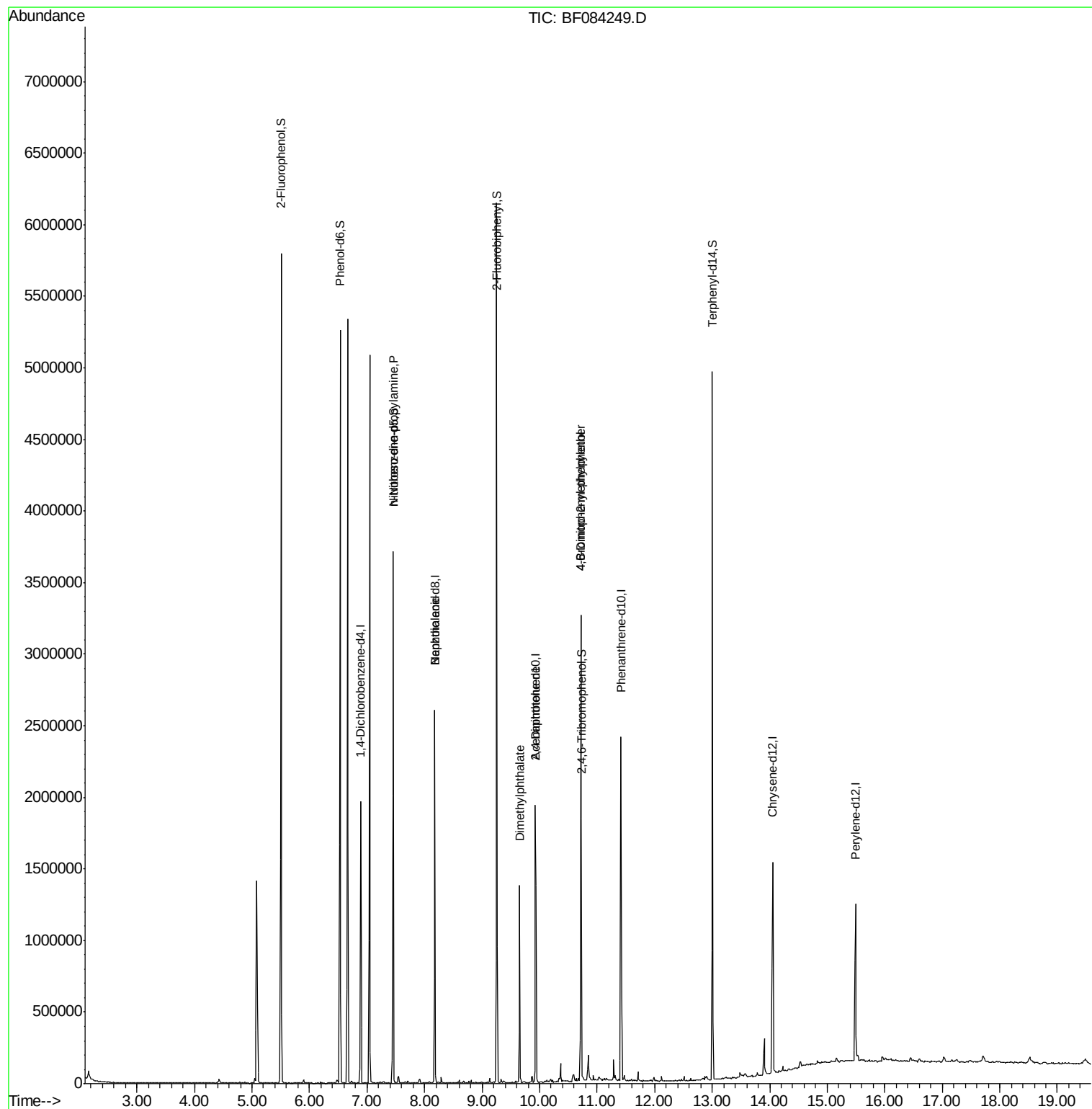
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	181009	13.05	ng	# 73
32) Benzoic acid	8.18	122	235	6.27	ng	# 1
49) Dimethylphthalate	9.65	163	538652	15.51	ng	# 91
54) Dibenzofuran	10.13	168	775	Below Cal		# 83
56) 2,4-Dinitrotoluene	9.93	165	62242	6.46	ng	# 22
57) Fluorene	10.72	166	17192	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.72	198	995	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	28426	3.23	ng	# 1
73) Di-n-butylphthalate	11.98	149	13978	Below Cal		# 94

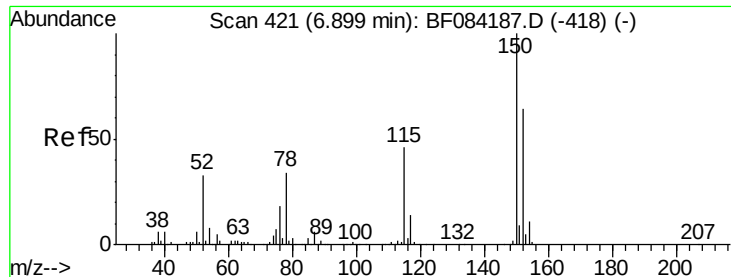
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

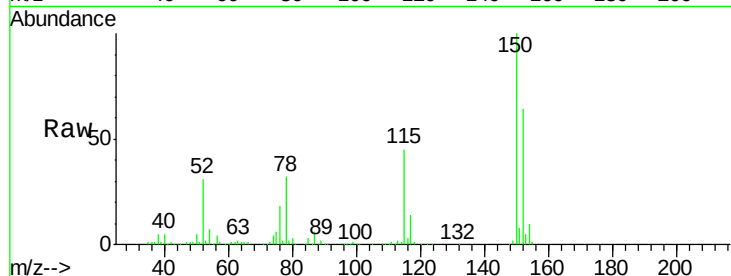
Tgt Ion:152 Resp: 263846

Ion Ratio Lower Upper

152 100

150 156.7 123.0 184.4

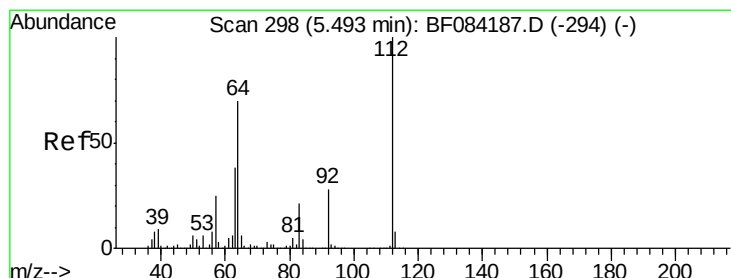
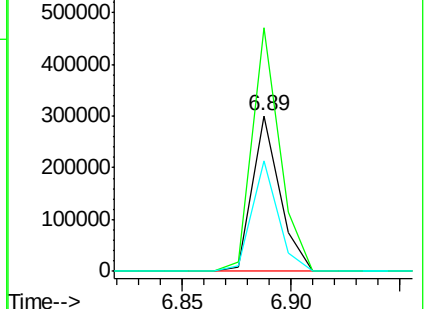
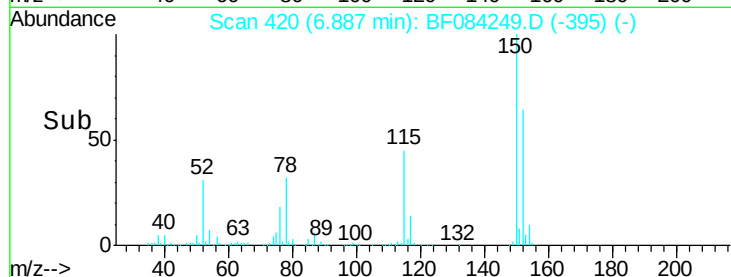
115 71.1 51.4 77.2



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: 87.52 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

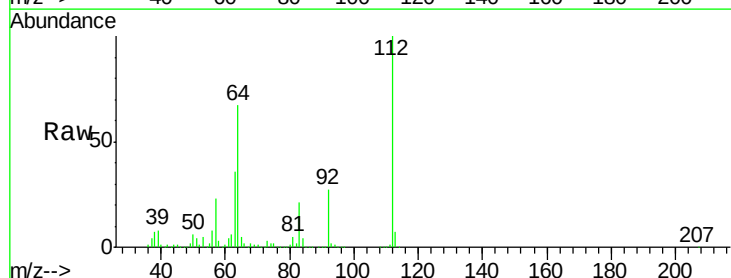
Tgt Ion:112 Resp: 1427629

Ion Ratio Lower Upper

112 100

64 66.9 36.6 55.0#

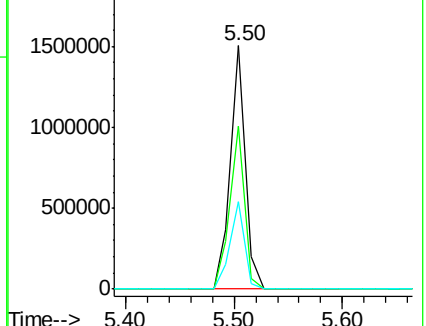
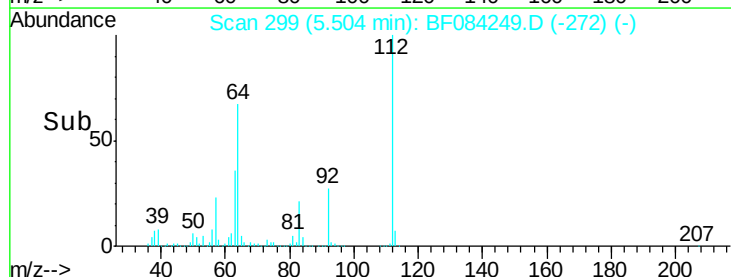
63 36.0 19.4 29.0#

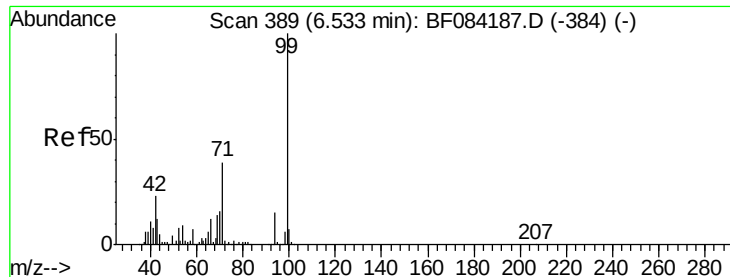


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.81 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

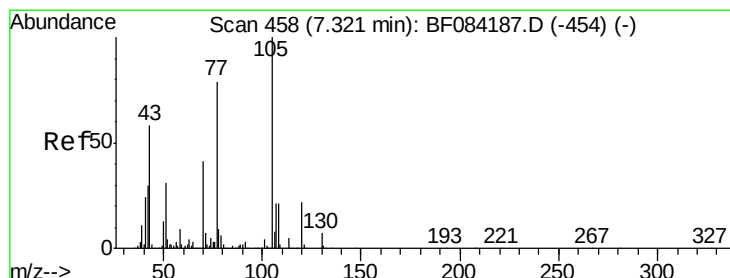
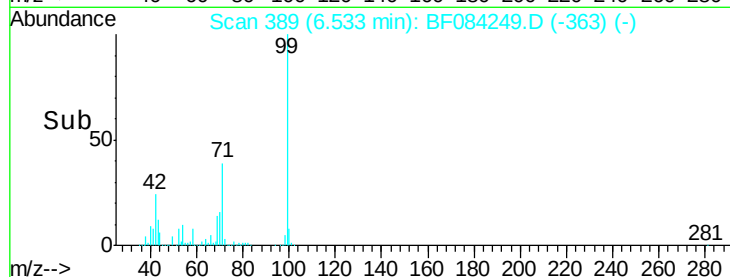
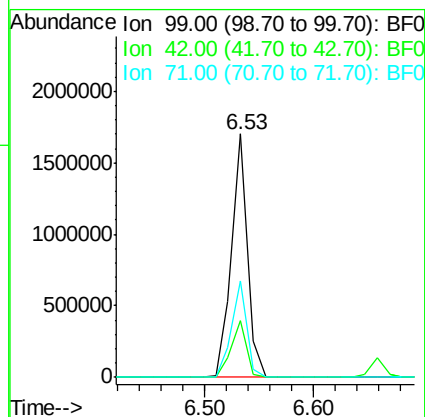
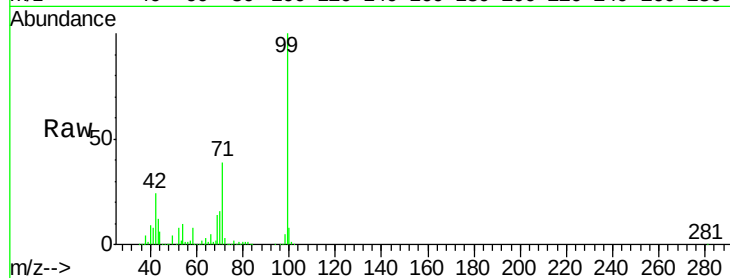
BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

Tgt Ion: 99 Resp: 1717017

Ion	Ratio	Lower	Upper
99	100		
42	23.5	12.8	19.2#
71	39.4	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.05 ng

RT: 7.46 min Scan# 470

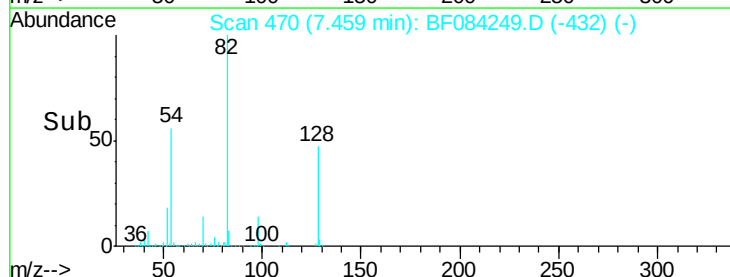
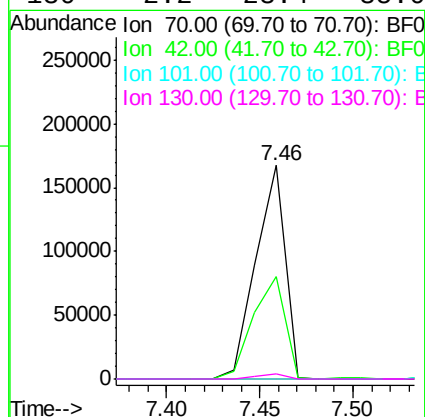
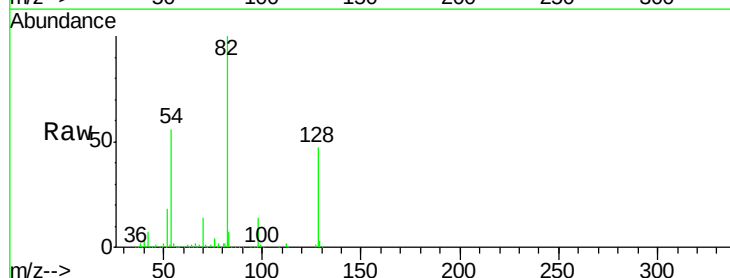
Delta R.T. 0.14 min

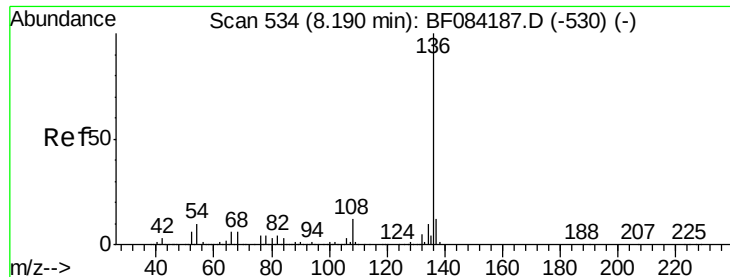
Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

Tgt Ion: 70 Resp: 181009

Ion	Ratio	Lower	Upper
70	100		
42	47.9	33.3	49.9
101	0.0	9.3	13.9#
130	2.2	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: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

Tgt Ion:136 Resp: 1136378

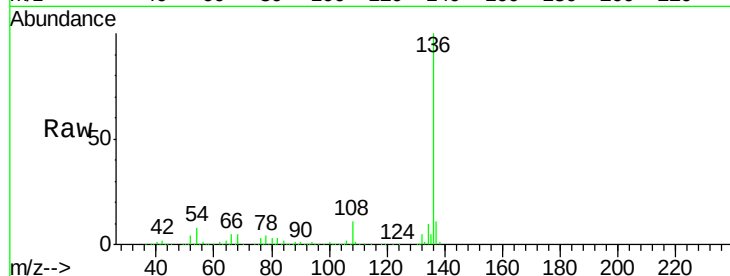
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.1 5.8 8.8

68 4.6 4.2 6.2

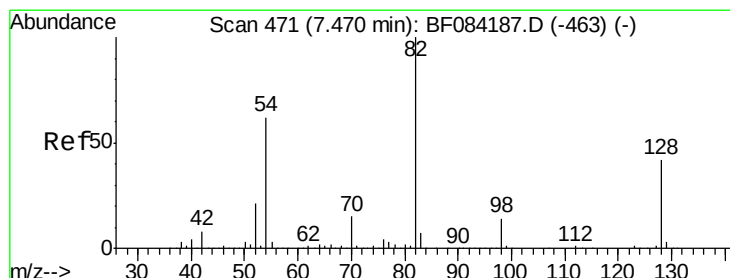
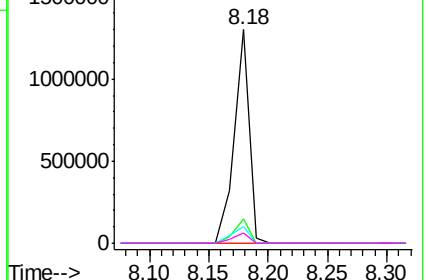
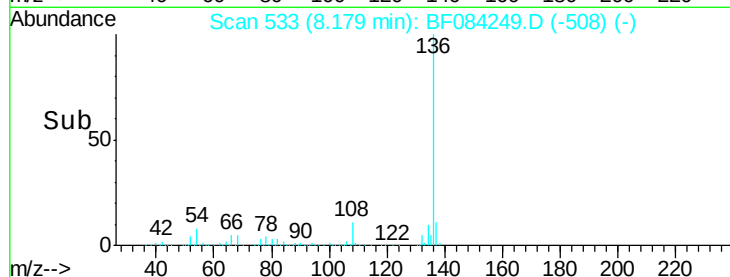


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.54 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

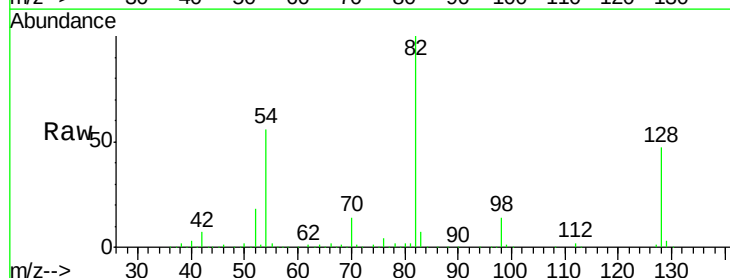
Tgt Ion: 82 Resp: 1338131

Ion Ratio Lower Upper

82 100

128 47.2 34.6 51.8

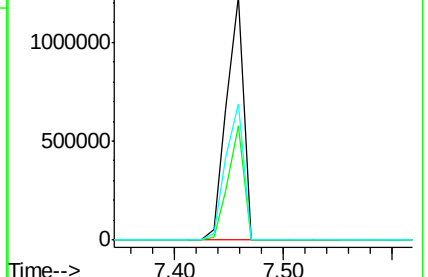
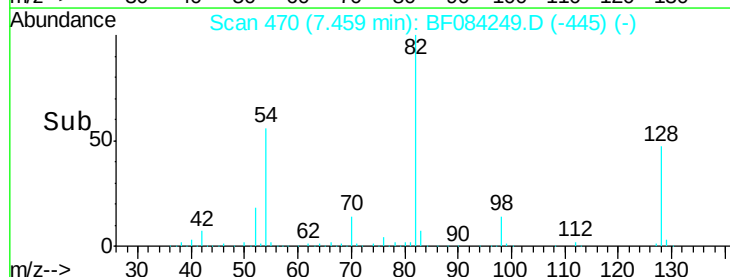
54 55.9 38.4 57.6

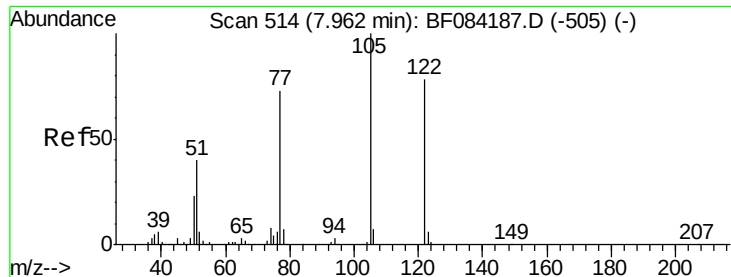


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

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ClientSampleId :

PJ-SB-4-1.5-2.0

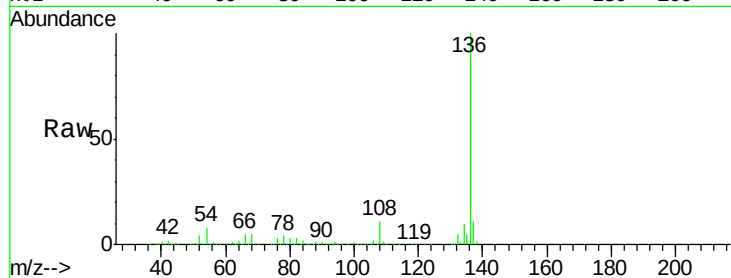
Tgt Ion:122 Resp: 235

Ion Ratio Lower Upper

122 100

105 432.7 100.3 140.3#

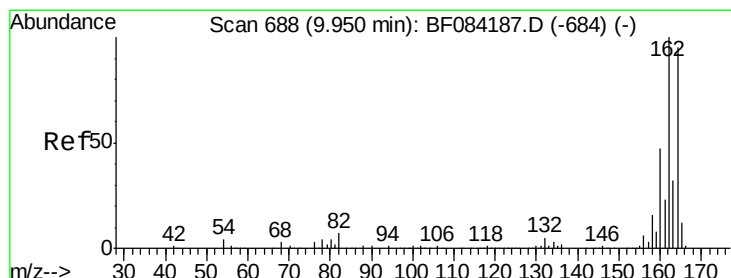
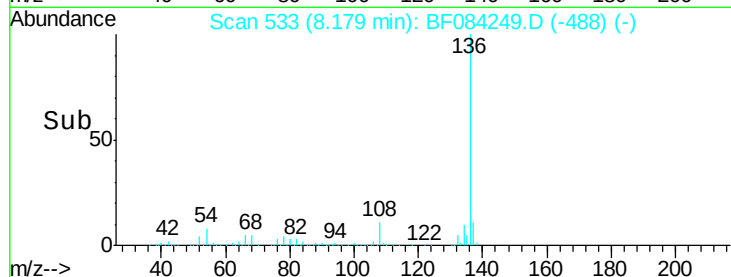
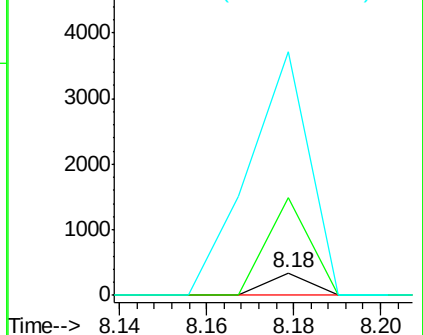
77 1081.6 63.5 103.5#



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: BF084249.D

Acq: 4 Jan 2016 19:57

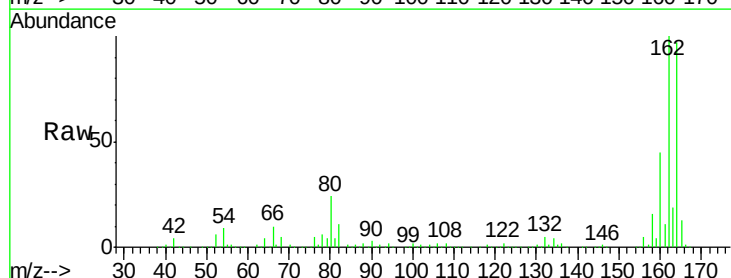
Tgt Ion:164 Resp: 485746

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

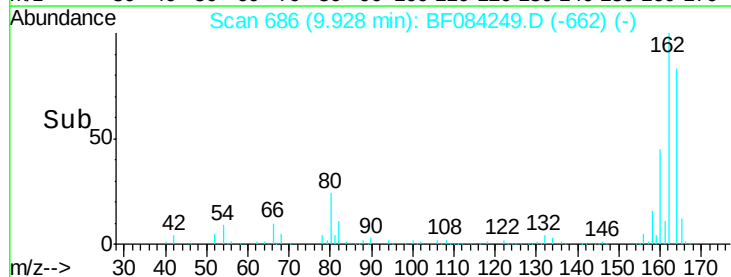
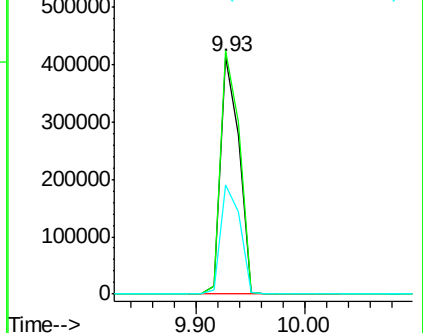
160 46.0 37.5 56.3

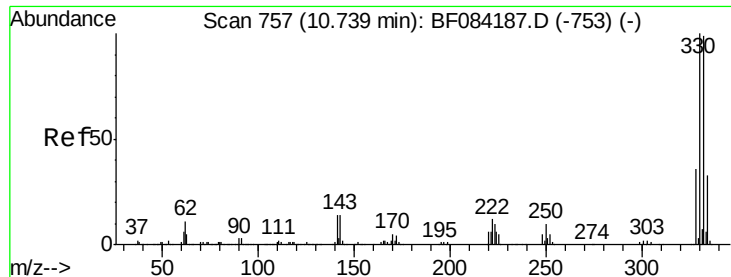


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

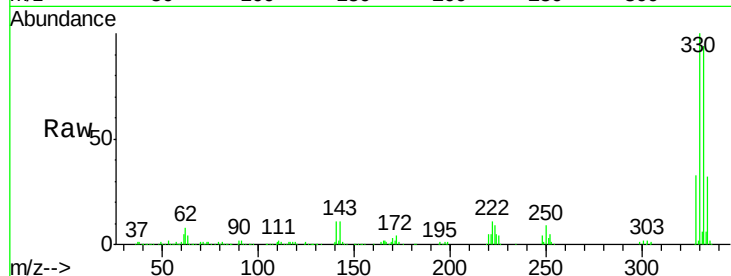




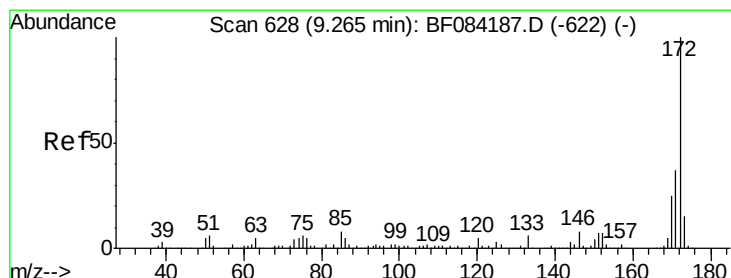
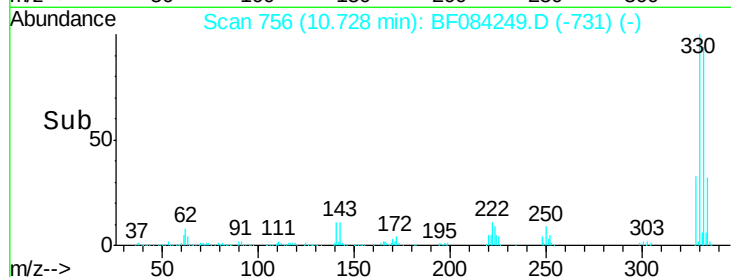
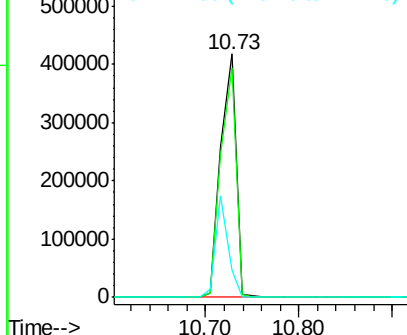
#41
 2,4,6-Tribromophenol
 Concen: 97.28 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084249.D
 Acq: 4 Jan 2016 19:57

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-4-1.5-2.0

Tgt Ion:330 Resp: 477066
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 114.8
 141 34.4 27.8 41.6

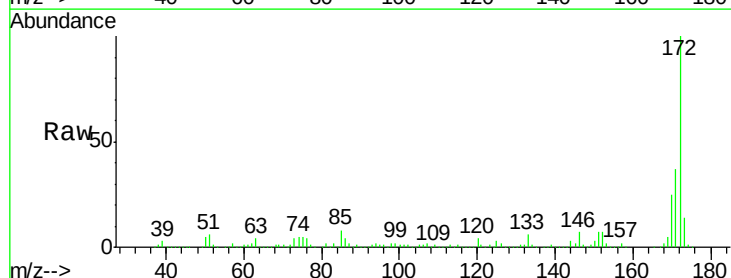


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

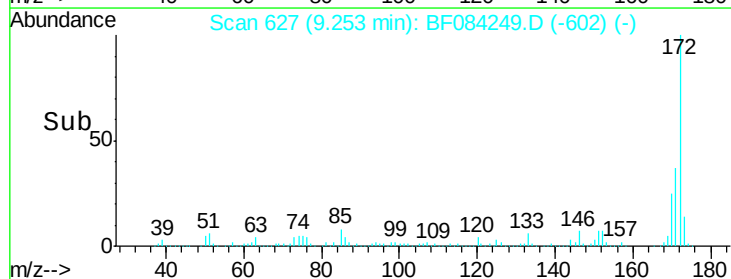
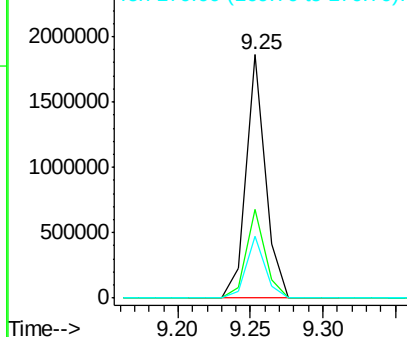


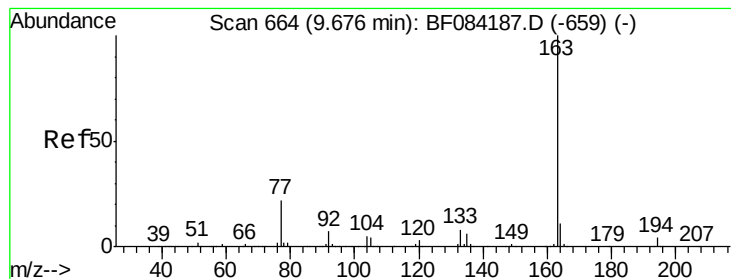
#44
 2-Fluorobiphenyl
 Concen: 60.65 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084249.D
 Acq: 4 Jan 2016 19:57

Tgt Ion:172 Resp: 1724656
 Ion Ratio Lower Upper
 172 100
 171 36.6 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: 15.51 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

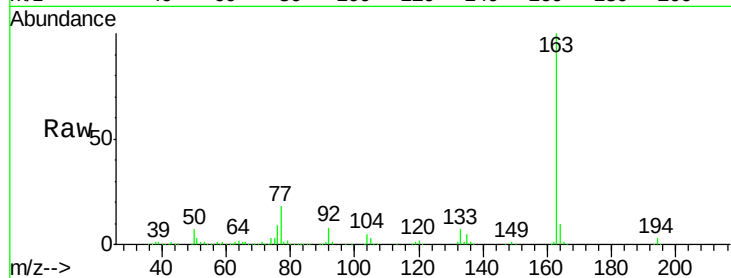
Tgt Ion:163 Resp: 538652

Ion Ratio Lower Upper

163 100

194 3.2 8.0 12.0#

164 10.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.65

800000

600000

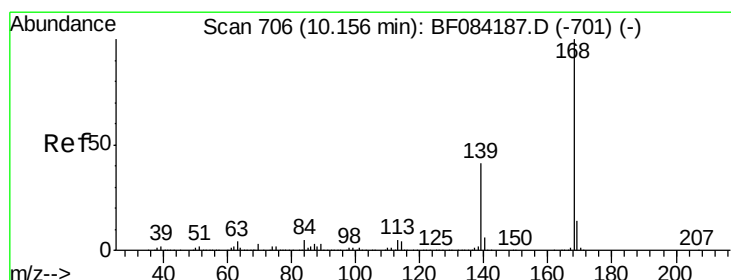
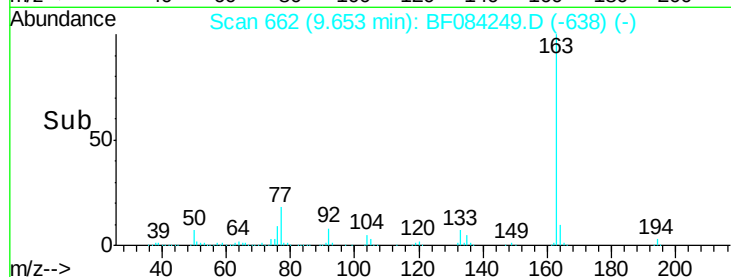
400000

200000

0

Time-->

9.60 9.70 9.80



#54

Dibenzofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

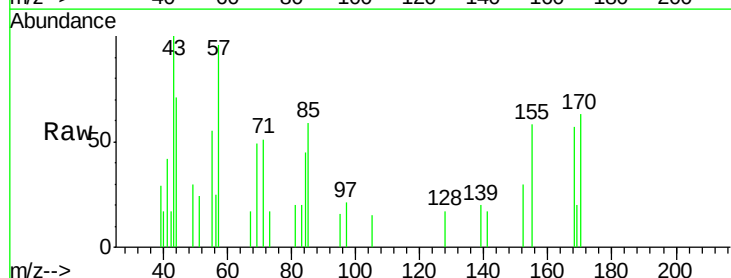
Tgt Ion:168 Resp: 775

Ion Ratio Lower Upper

168 100

139 35.4 30.5 45.7

169 34.3 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

10.13

1500

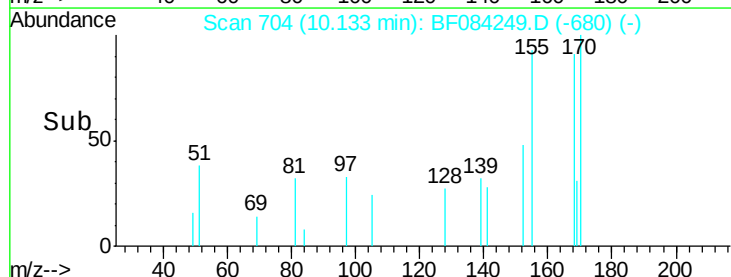
1000

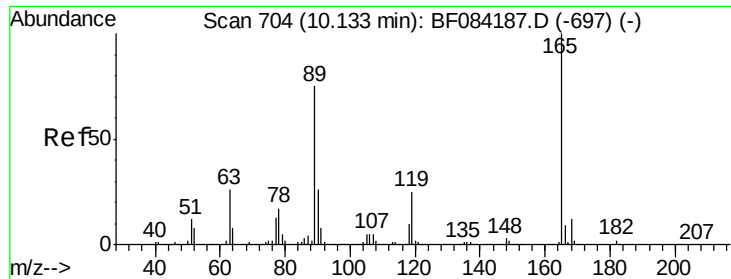
500

0

Time-->

10.10 10.15

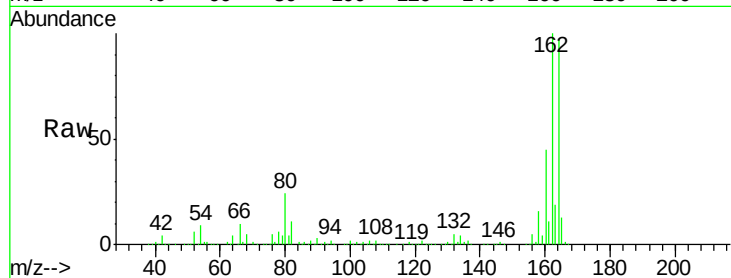




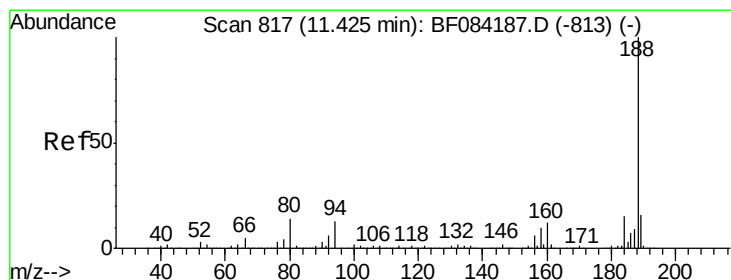
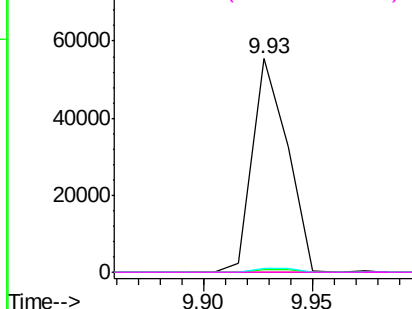
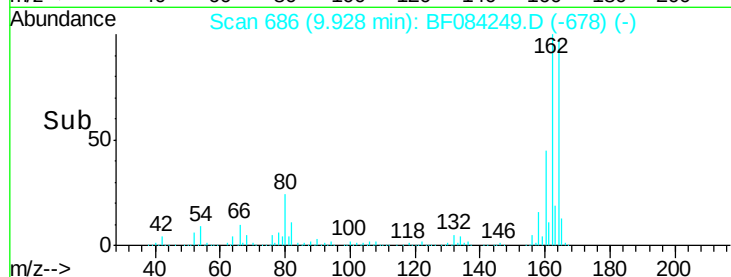
#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.21 min
 Lab File: BF084249.D
 Acq: 4 Jan 2016 19:57

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-4-1.5-2.0

Tgt Ion:165 Resp: 62242
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.7 55.1#
 89 1.8 61.9 92.9#
 182 0.0 2.0 3.0#

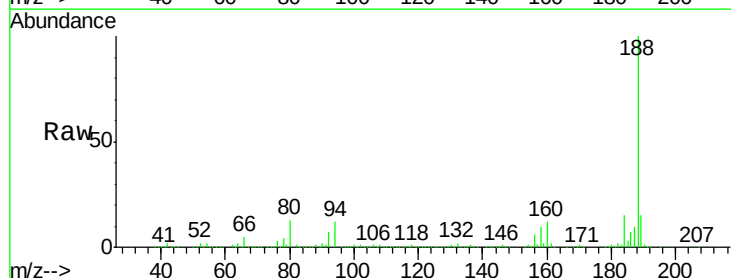


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

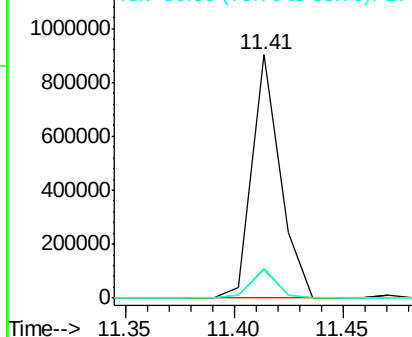
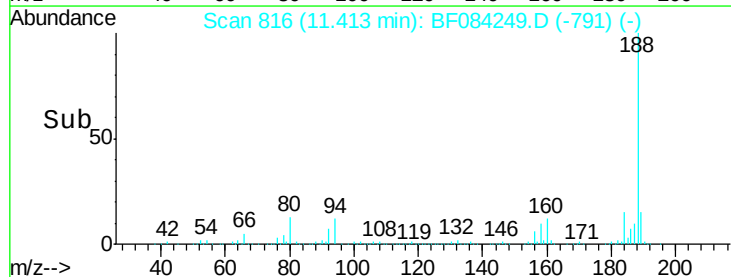


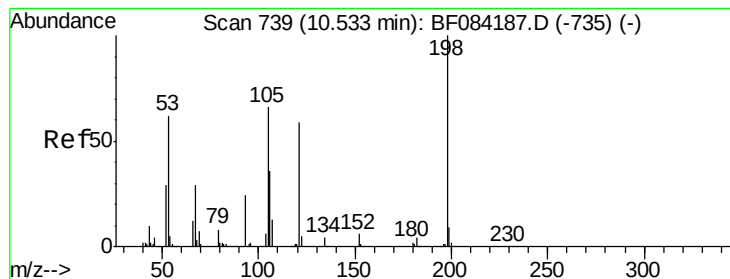
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF084249.D
 Acq: 4 Jan 2016 19:57

Tgt Ion:188 Resp: 818244
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.0 13.4
 80 12.5 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: 6.57 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

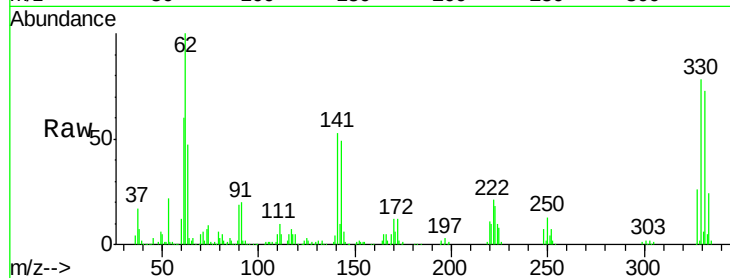
Tgt Ion:198 Resp: 995

Ion Ratio Lower Upper

198 100

51 320.0 18.9 58.9#

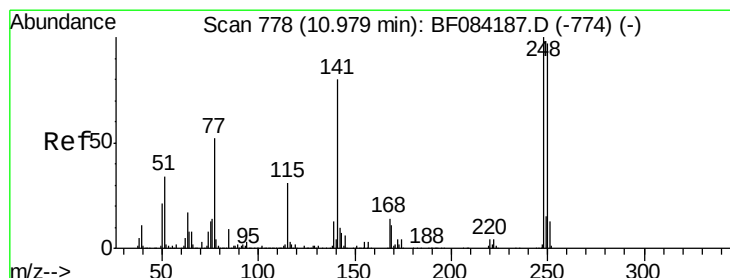
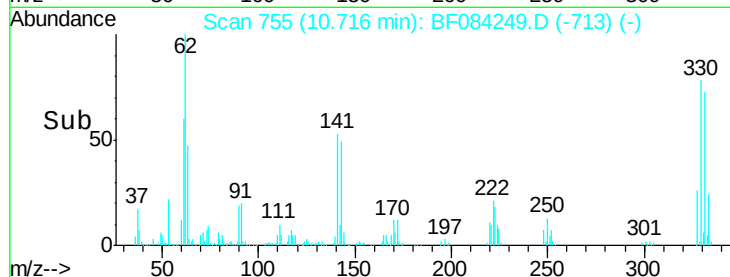
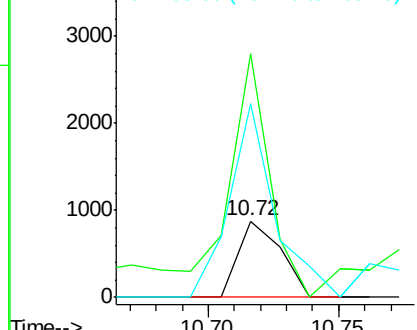
105 255.4 26.4 66.4#



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: 3.23 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.26 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

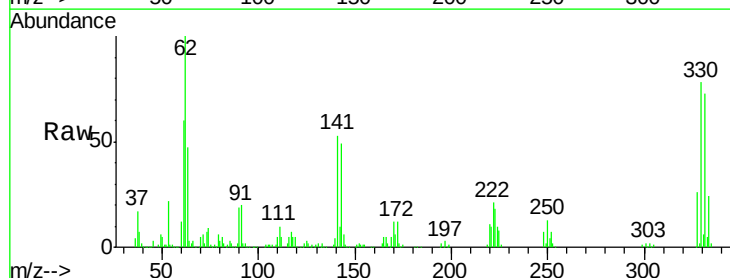
Tgt Ion:248 Resp: 28426

Ion Ratio Lower Upper

248 100

250 192.4 78.4 117.6#

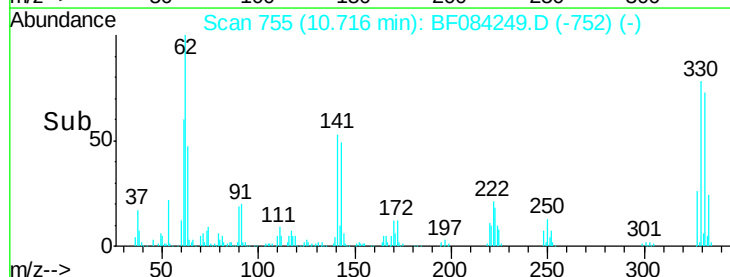
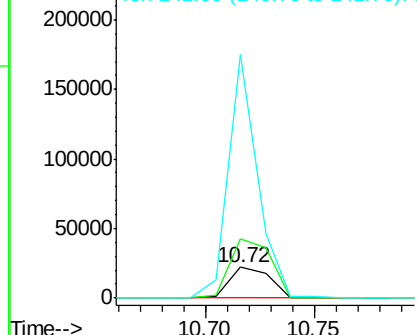
141 796.2 44.0 66.0#

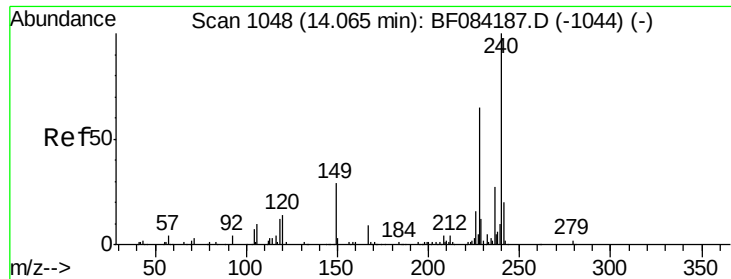


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

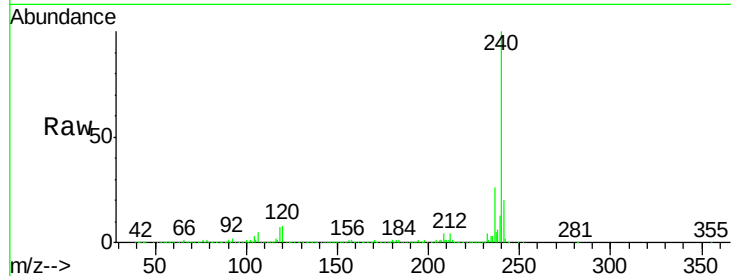
Tgt Ion:240 Resp: 575692

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

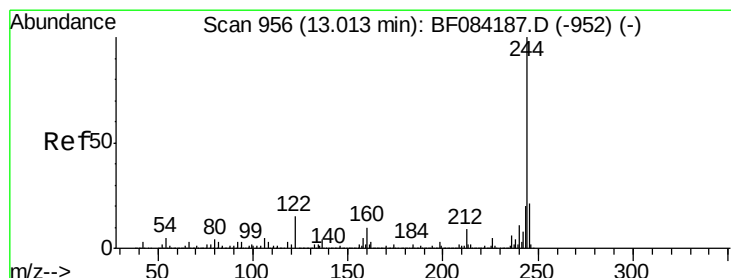
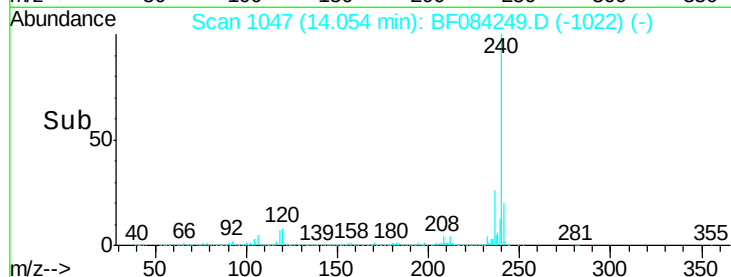
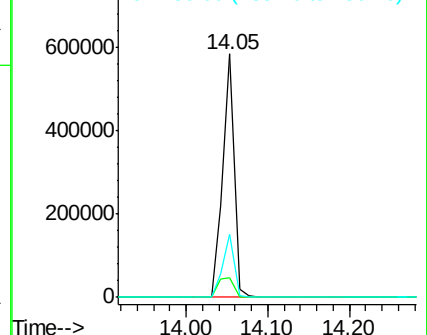
236 26.1 20.6 31.0



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: 52.67 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

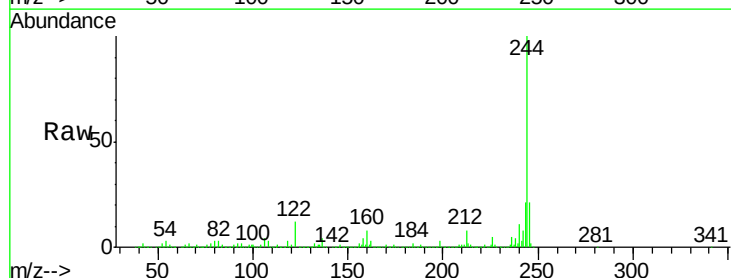
Tgt Ion:244 Resp: 1358408

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

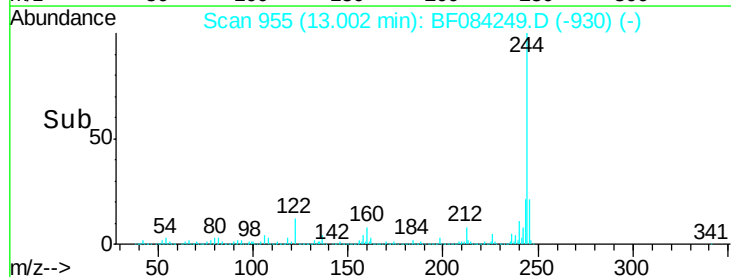
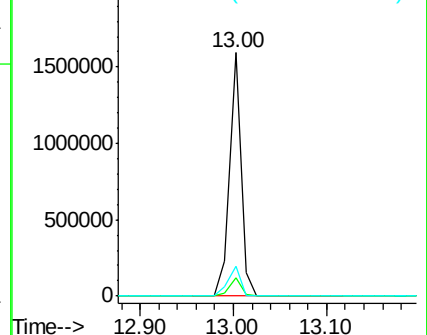
122 12.3 7.4 11.0#

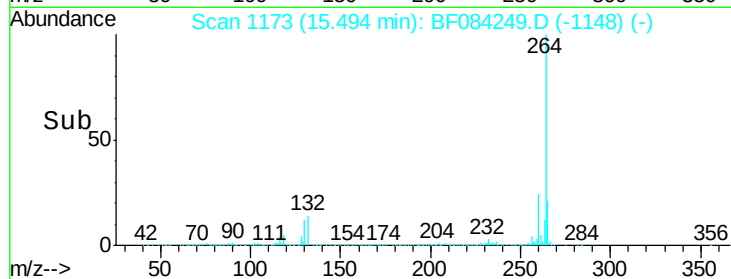
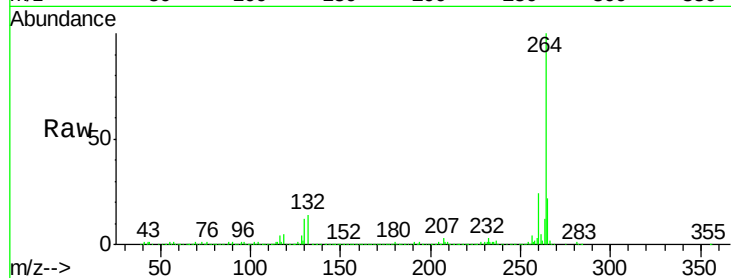
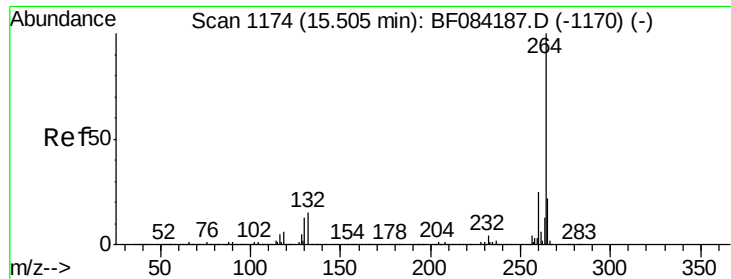


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084249.D

Acq: 4 Jan 2016 19:57

Instrument :

BNA_F

ClientSampleId :

PJ-SB-4-1.5-2.0

Tgt Ion:264 Resp: 544993

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.6 17.8 26.6

