

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084214.D
 Acq On : 1 Jan 2016 00:12
 Operator : UM/SJ
 Sample : PB87615TB
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87615TB

Quant Time: Jan 01 23:41:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	296603	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1192448	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	582834	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1086047	20.00	ng	0.00
75) Chrysene-d12	14.05	240	753347	20.00	ng	-0.01
86) Perylene-d12	15.49	264	576367	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1953626	106.54	ng	0.01
7) Phenol-d6	6.52	99	2758839	119.79	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1591340	74.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	599954	101.96	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2658862	79.87	ng	0.00
78) Terphenyl-d14	13.01	244	2435416	72.16	ng	0.00

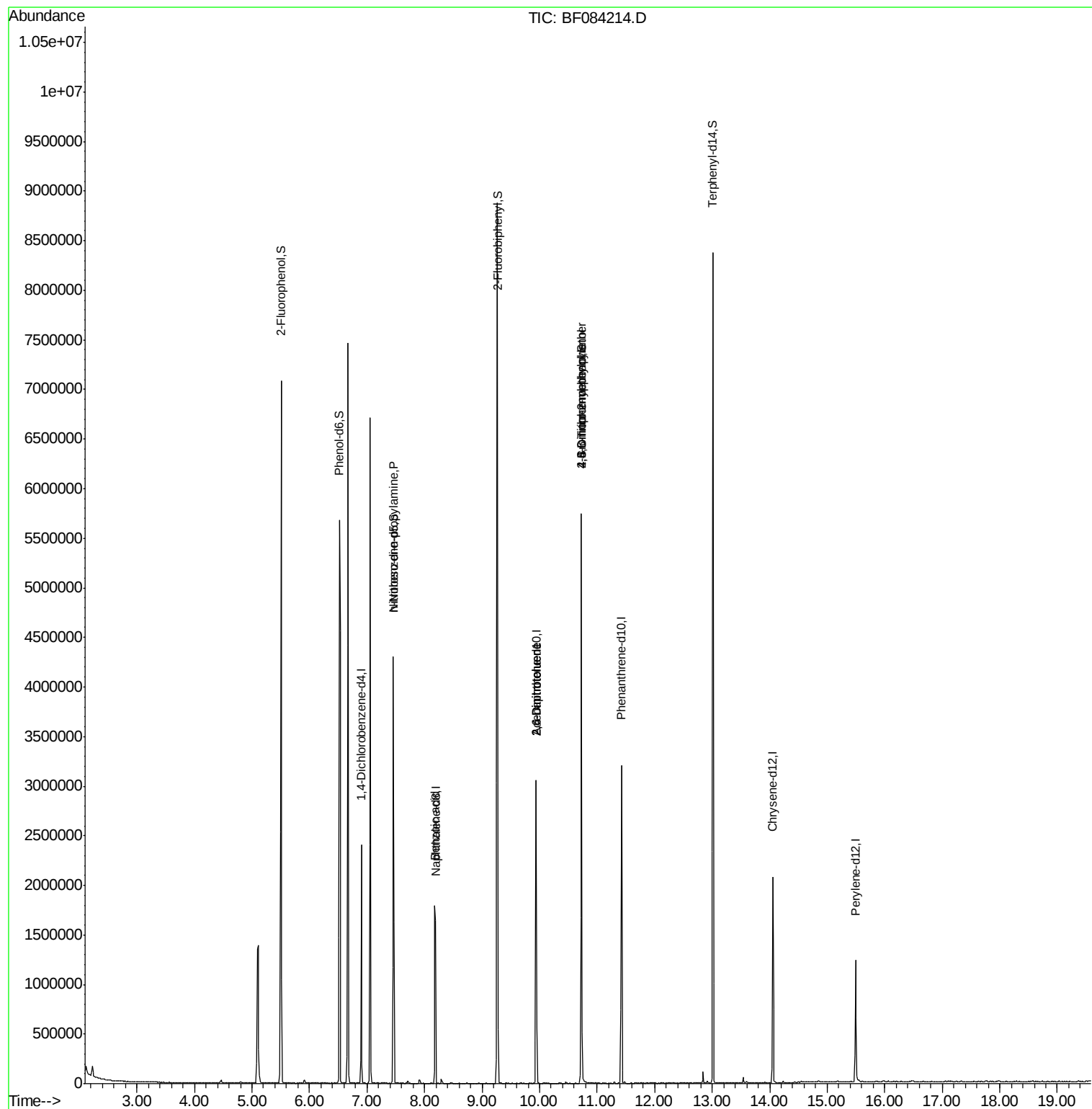
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	217523	13.95	ng	# 67
32) Benzoic acid	8.18	122	568	6.29	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	77093	8.44	ng	# 38
54) Dibenzofuran	10.13	168	217	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.94	165	77080	6.66	ng	# 22
57) Fluorene	10.73	166	28339	Below Cal		# 93
64) 4,6-Dinitro-2-methylphenol	10.73	198	1562	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	40891	3.50	ng	# 1
73) Di-n-butylphthalate	11.98	149	704	Below Cal		# 79

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

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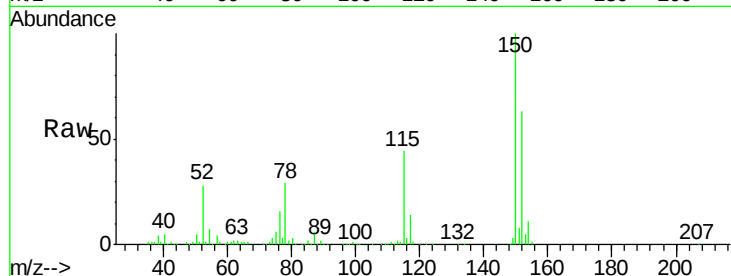
Tgt Ion:152 Resp: 296603

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

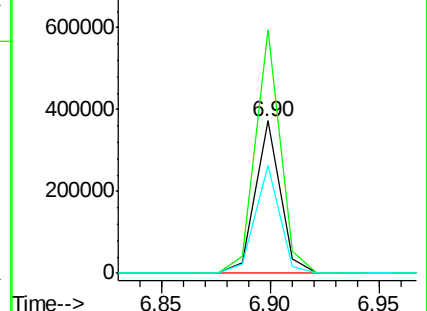
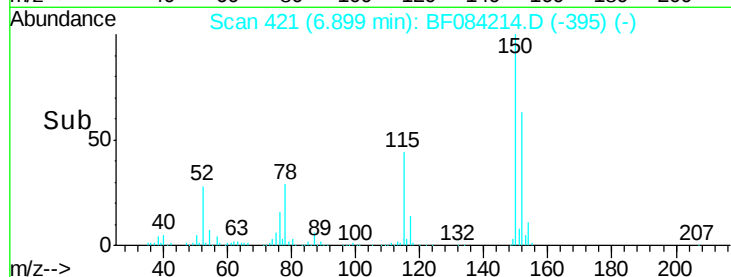
115 71.0 51.4 77.2



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: 106.54 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

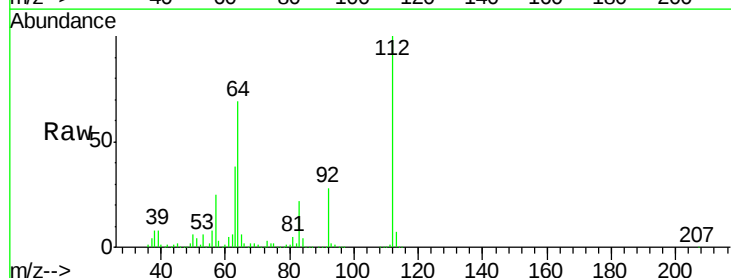
Tgt Ion:112 Resp: 1953626

Ion Ratio Lower Upper

112 100

64 68.9 36.6 55.0#

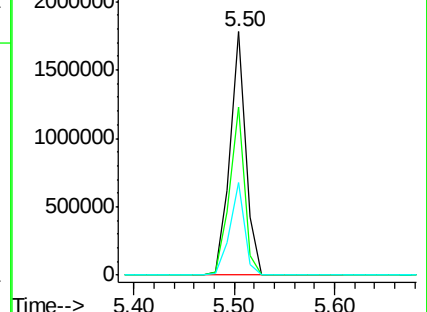
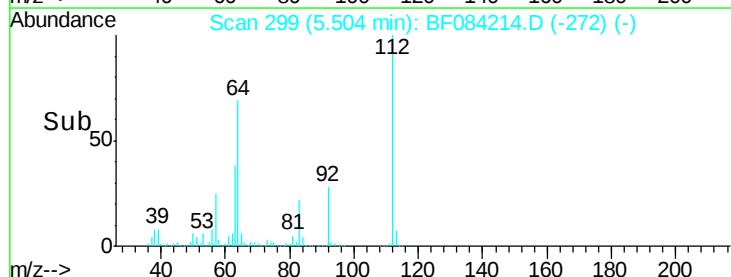
63 37.8 19.4 29.0#



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: 119.79 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

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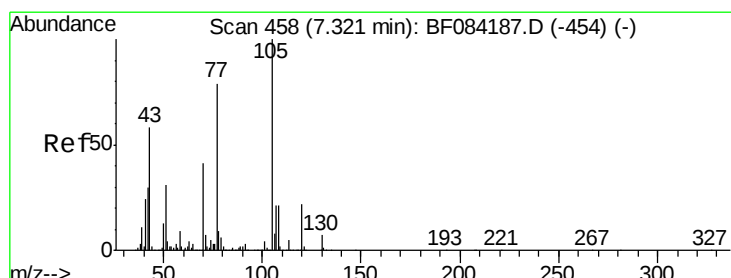
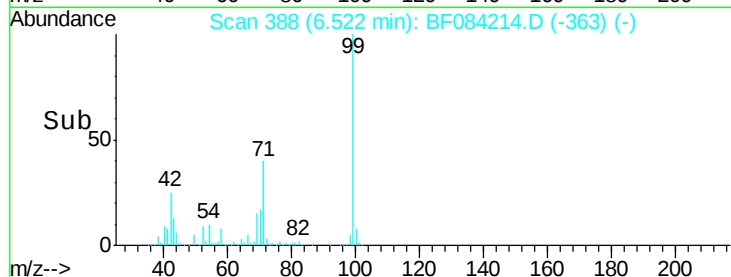
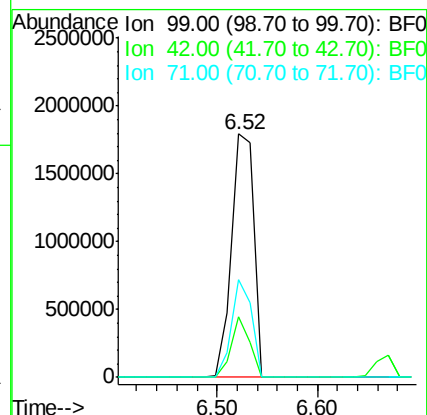
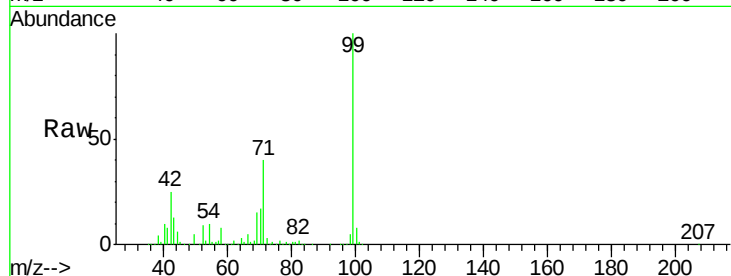
Tgt Ion: 99 Resp: 2758839

Ion Ratio Lower Upper

99 100

42 25.0 12.8 19.2#

71 39.9 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.95 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

Tgt Ion: 70 Resp: 217523

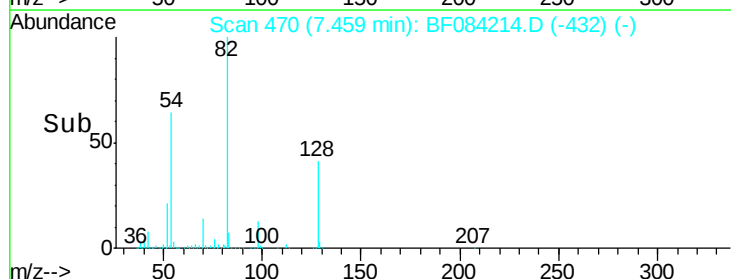
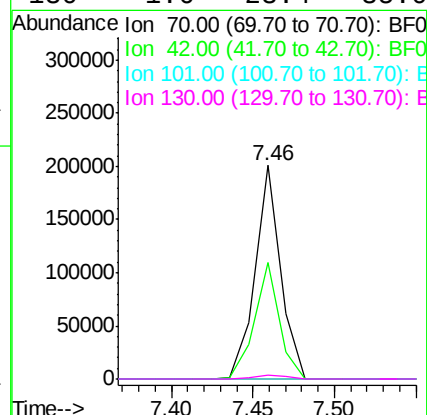
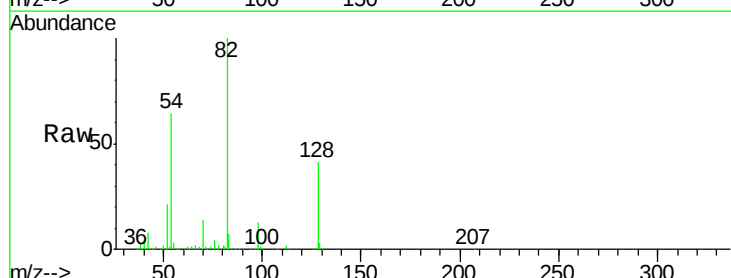
Ion Ratio Lower Upper

70 100

42 54.6 33.3 49.9#

101 0.0 9.3 13.9#

130 1.6 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

Instrument :

BNA_F

ClientSampleId :

PB87615TB

Tgt Ion:136 Resp: 1192448

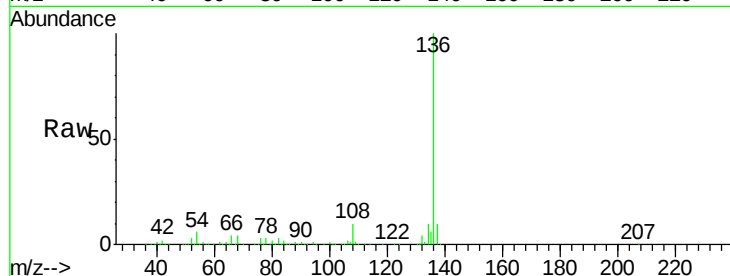
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.2 5.8 8.8

68 4.0 4.2 6.2#

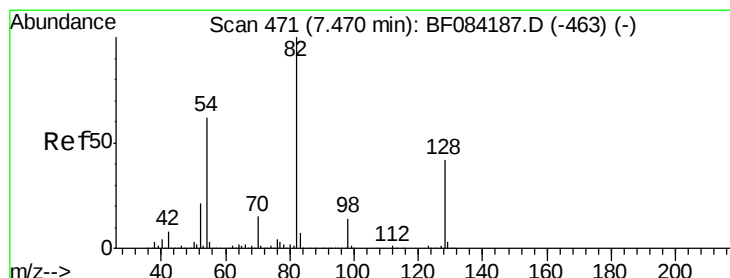
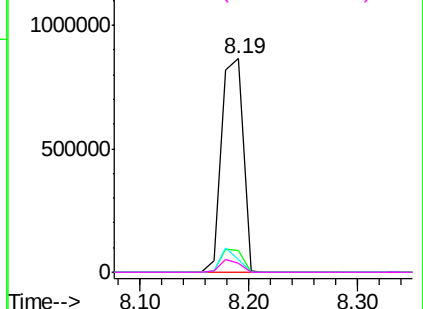
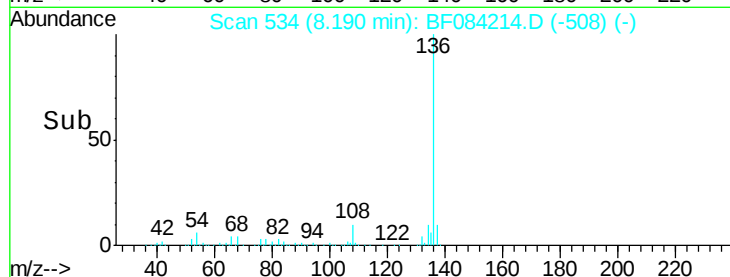


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.27 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

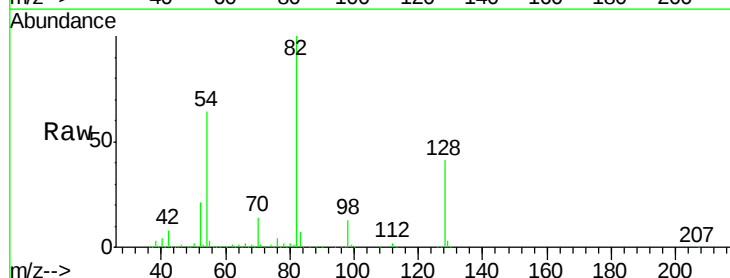
Tgt Ion: 82 Resp: 1591340

Ion Ratio Lower Upper

82 100

128 40.8 34.6 51.8

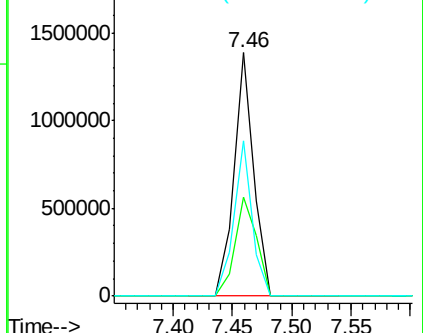
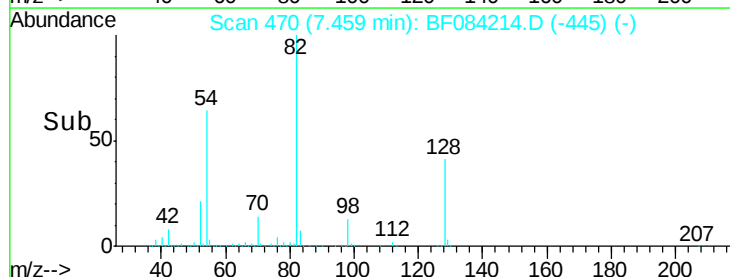
54 64.0 38.4 57.6#

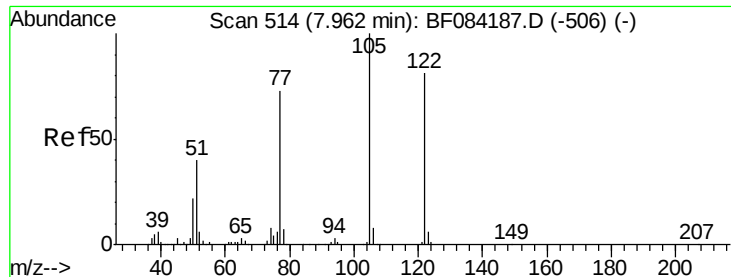


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

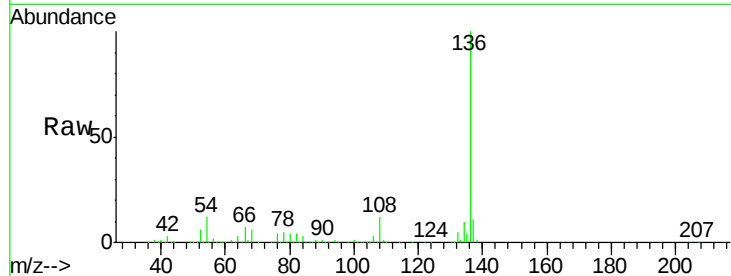




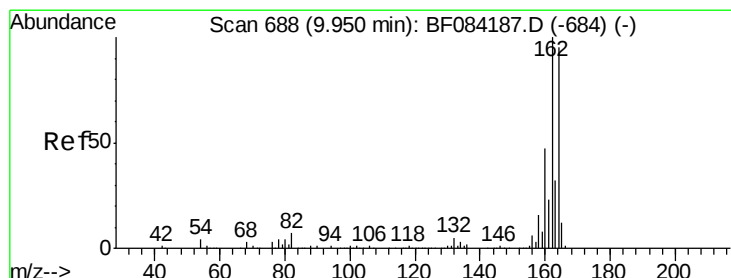
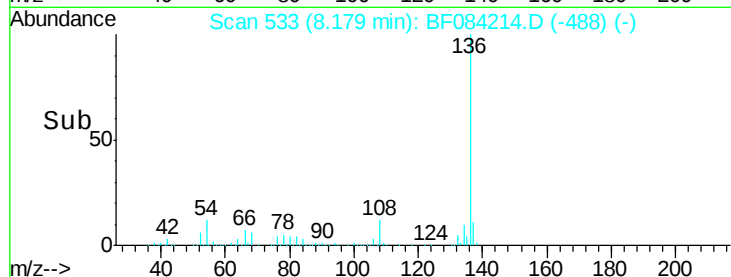
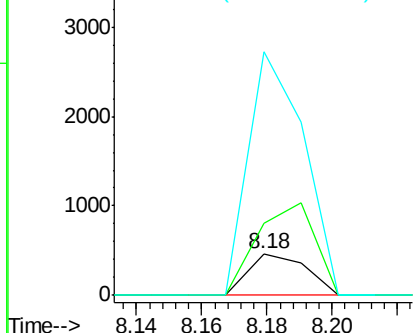
#32
Benzoic acid
Concen: 6.29 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.22 min
Lab File: BF084214.D
Acq: 1 Jan 2016 00:12

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Tgt Ion:122 Resp: 568
Ion Ratio Lower Upper
122 100
105 171.7 100.3 140.3#
77 584.3 63.5 103.5#

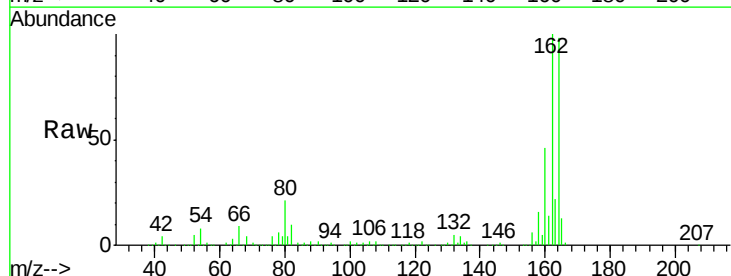


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

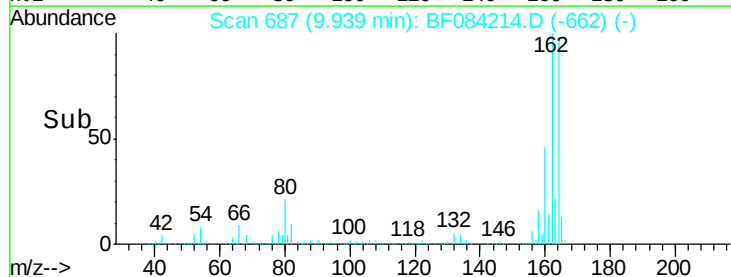
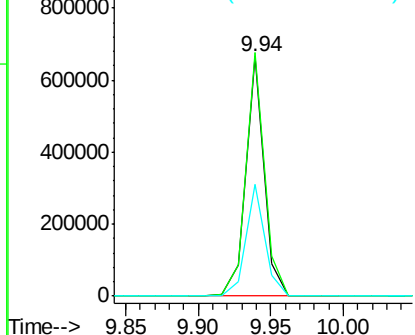


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084214.D
Acq: 1 Jan 2016 00:12

Tgt Ion:164 Resp: 582834
Ion Ratio Lower Upper
164 100
162 101.6 85.1 127.7
160 46.5 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

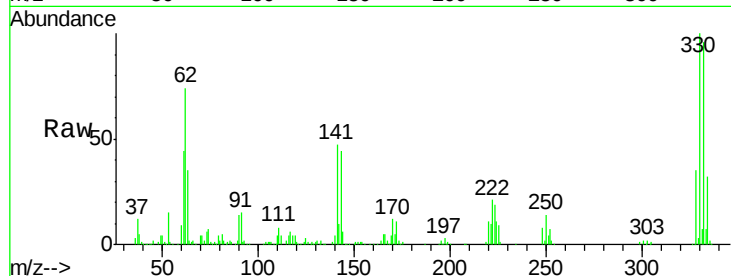




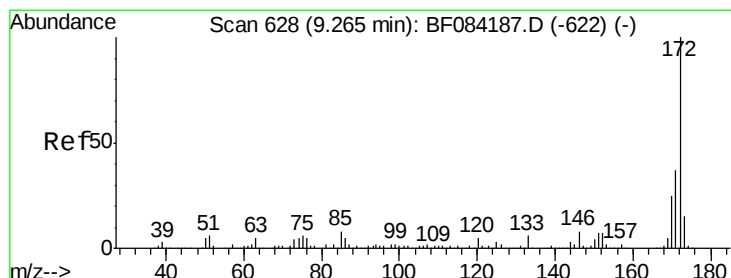
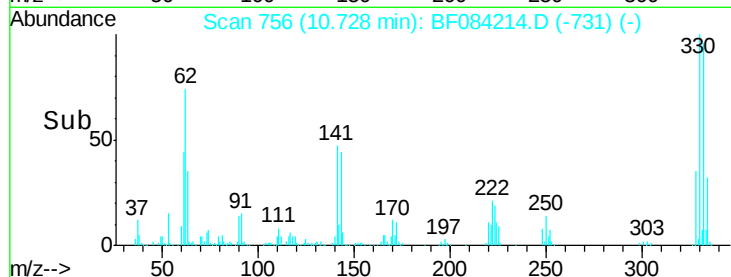
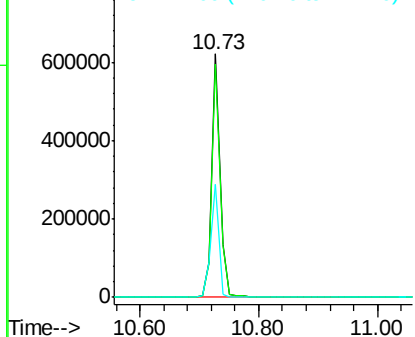
#41
 2,4,6-Tribromophenol
 Concen: 101.96 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084214.D
 Acq: 1 Jan 2016 00:12

Instrument :
 BNA_F
 ClientSampleId :
 PB87615TB

Tgt Ion:330 Resp: 599954
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 45.6 27.8 41.6#

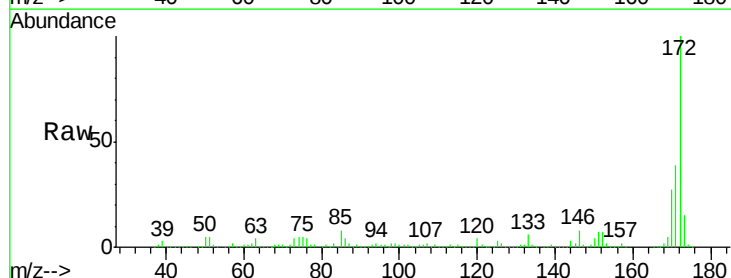


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

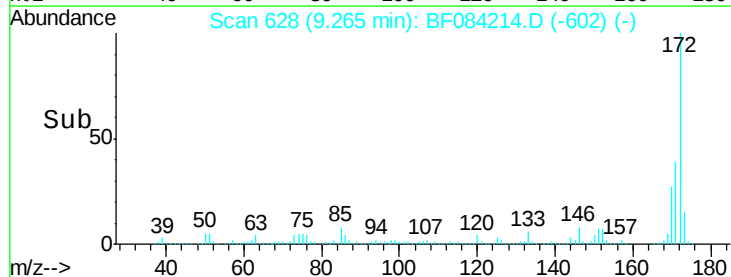
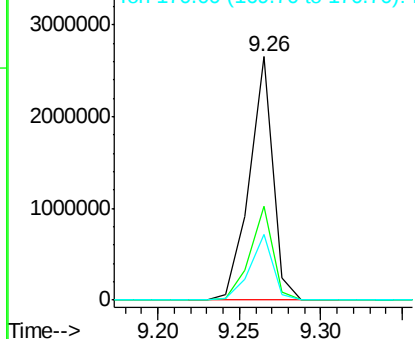


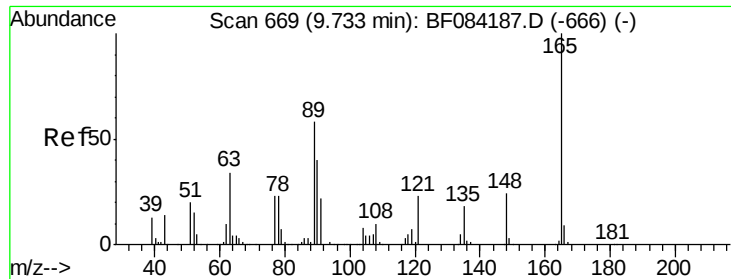
#44
 2-Fluorobiphenyl
 Concen: 79.87 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084214.D
 Acq: 1 Jan 2016 00:12

Tgt Ion:172 Resp: 2658862
 Ion Ratio Lower Upper
 172 100
 171 38.5 28.9 43.3
 170 26.8 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: 8.44 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.21 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

Instrument :

BNA_F

ClientSampleId :

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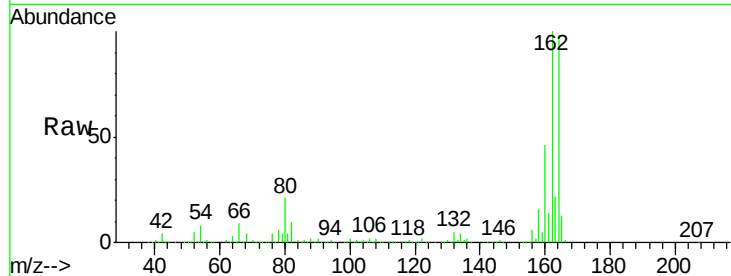
Tgt Ion:165 Resp: 77093

Ion Ratio Lower Upper

165 100

63 1.5 28.8 43.2#

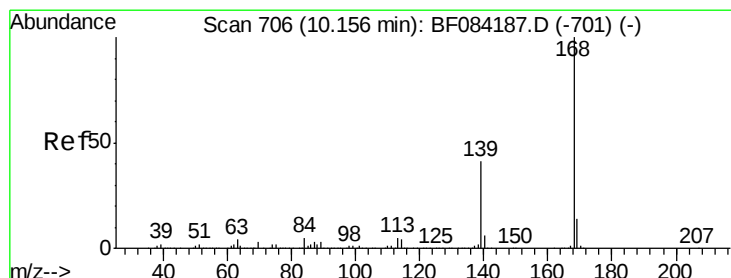
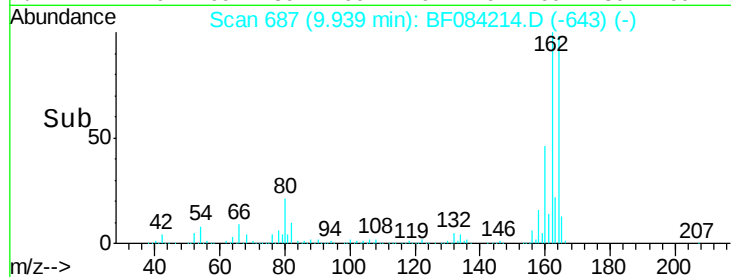
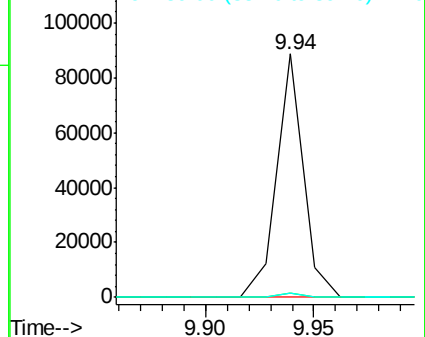
89 1.8 35.1 52.7#



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



#54

Dibenzofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

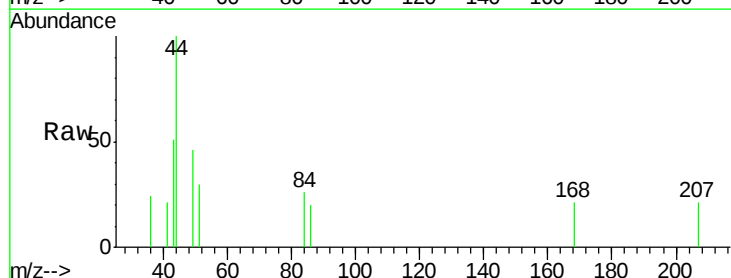
Tgt Ion:168 Resp: 217

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

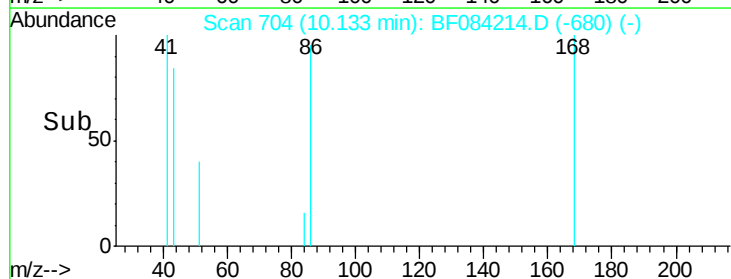
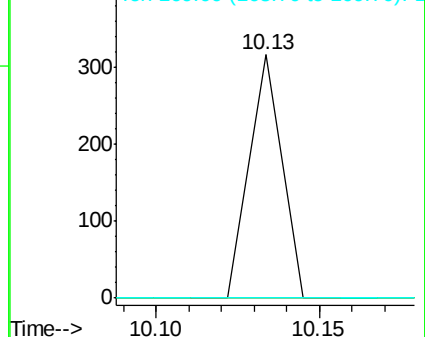
169 0.0 10.4 15.6#

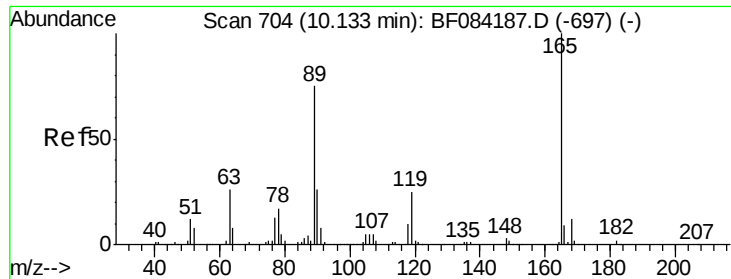


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

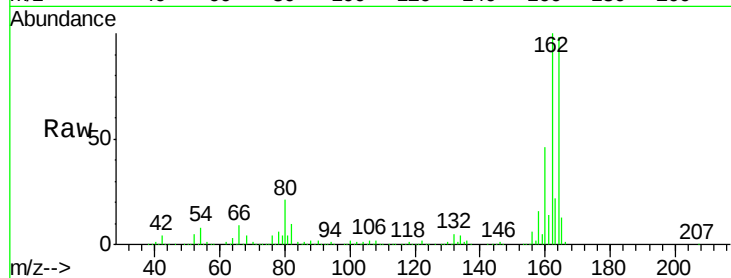




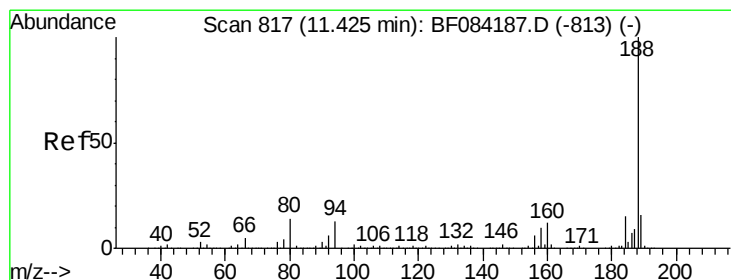
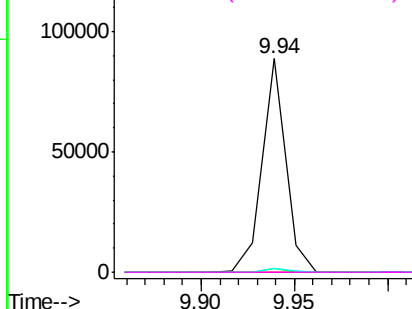
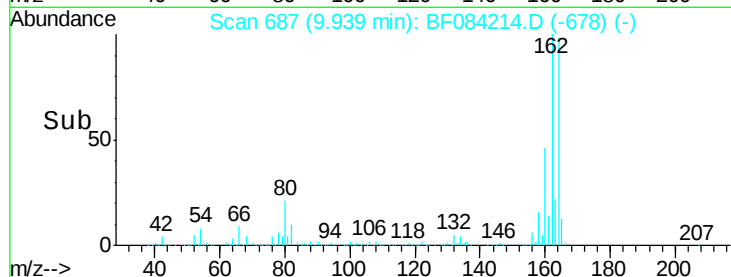
#56
 2,4-Dinitrotoluene
 Concen: 6.66 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.19 min
 Lab File: BF084214.D
 Acq: 1 Jan 2016 00:12

Instrument :
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Tgt Ion:165 Resp: 77080
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.7 55.1#
 89 1.8 61.9 92.9#
 182 0.0 2.0 3.0#

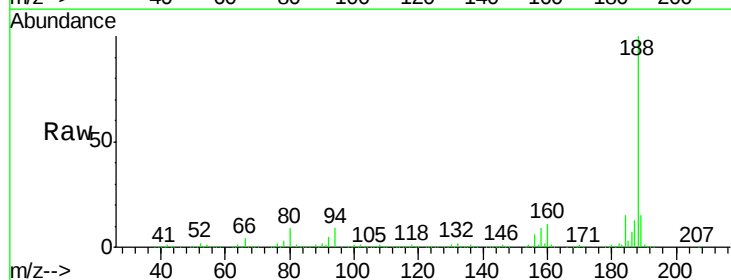


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

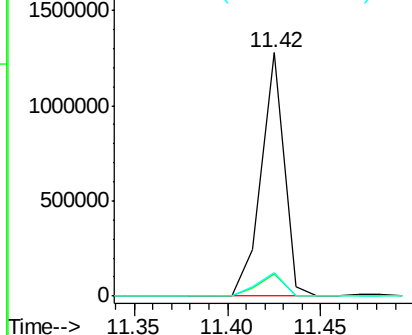
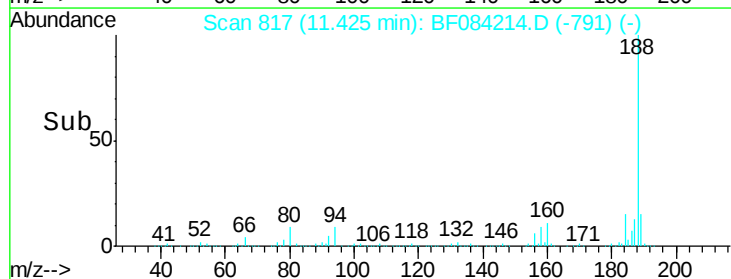


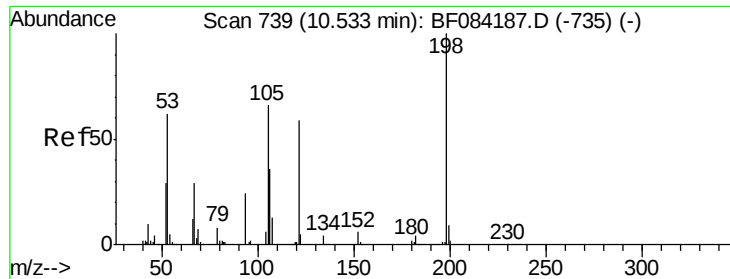
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF084214.D
 Acq: 1 Jan 2016 00:12

Tgt Ion:188 Resp: 1086047
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.0 13.4#
 80 9.4 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: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

Instrument :

BNA_F

ClientSampleId :

PB87615TB

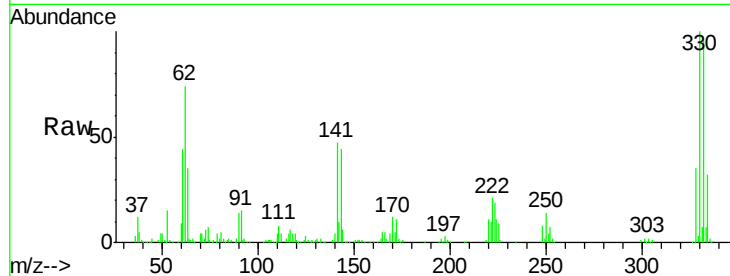
Tgt Ion:198 Resp: 1562

Ion Ratio Lower Upper

198 100

51 218.5 18.9 58.9#

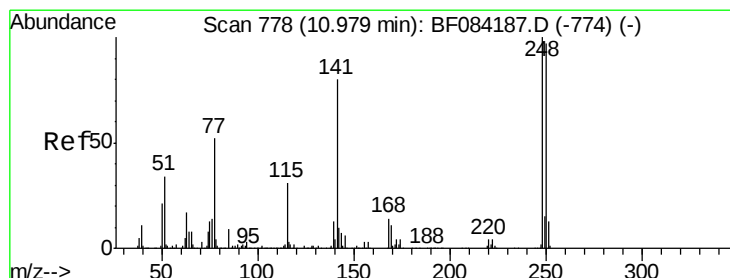
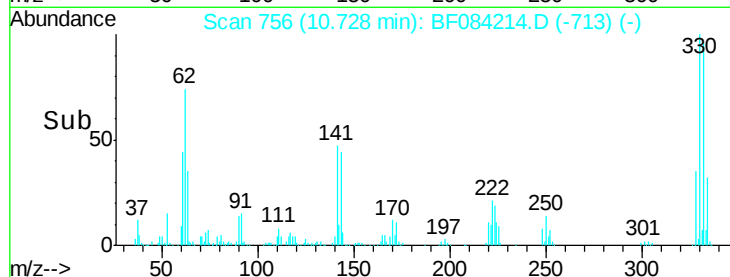
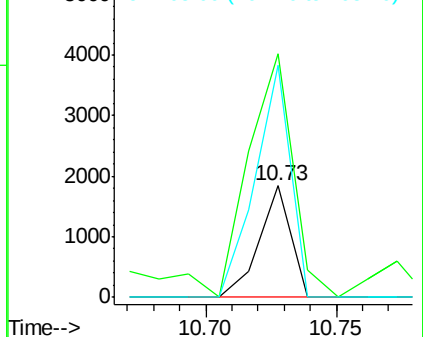
105 208.7 26.4 66.4#



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: 3.50 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

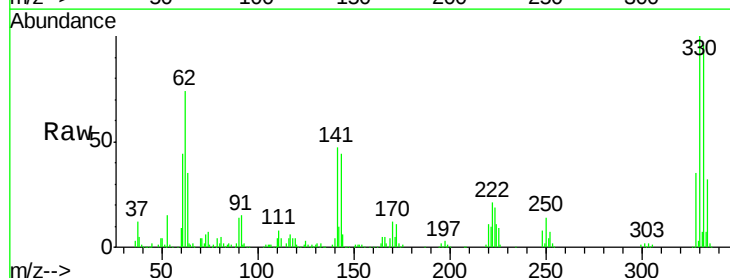
Tgt Ion:248 Resp: 40891

Ion Ratio Lower Upper

248 100

250 190.6 78.4 117.6#

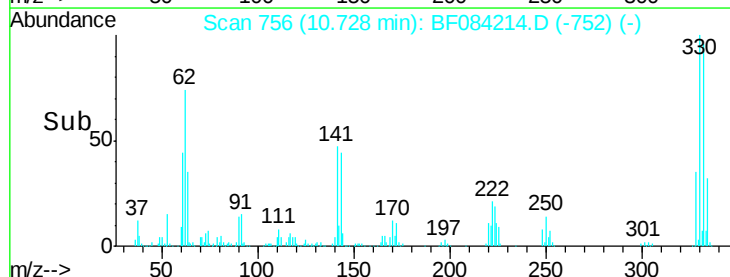
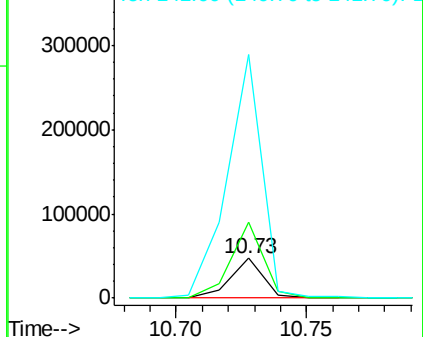
141 612.7 44.0 66.0#

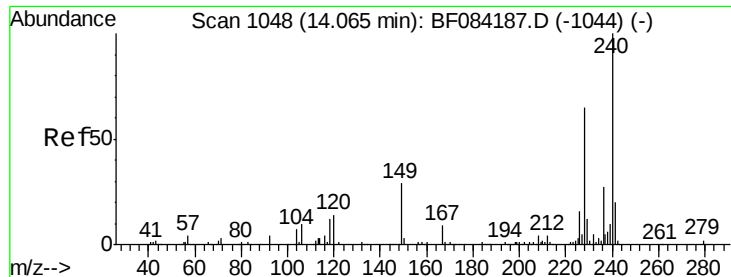


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

Instrument :

BNA_F

ClientSampleId :

PB87615TB

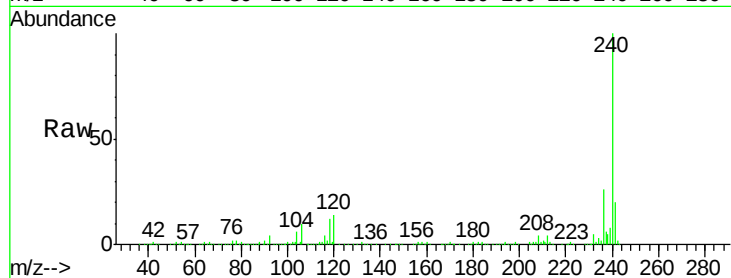
Tgt Ion:240 Resp: 753347

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

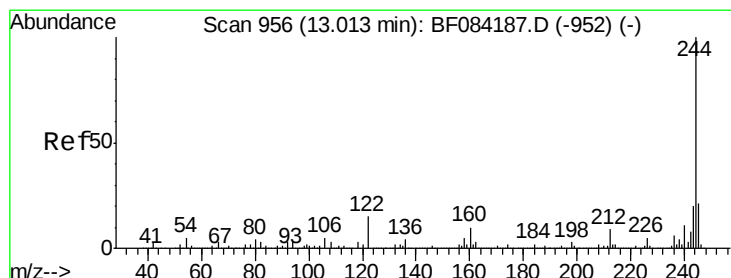
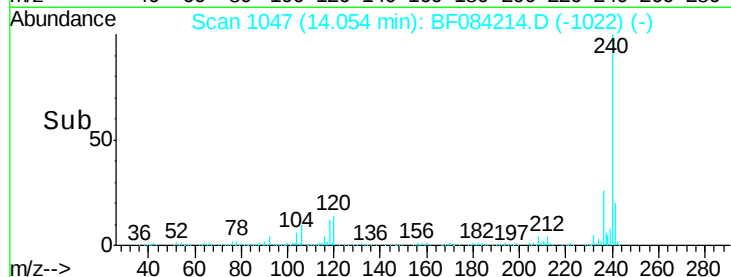
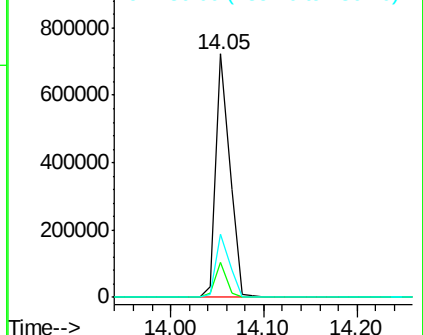
236 25.9 20.6 31.0



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: 72.16 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084214.D

Acq: 1 Jan 2016 00:12

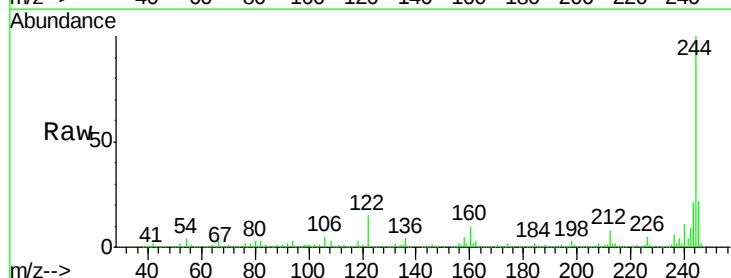
Tgt Ion:244 Resp: 2435416

Ion Ratio Lower Upper

244 100

212 8.5 5.7 8.5

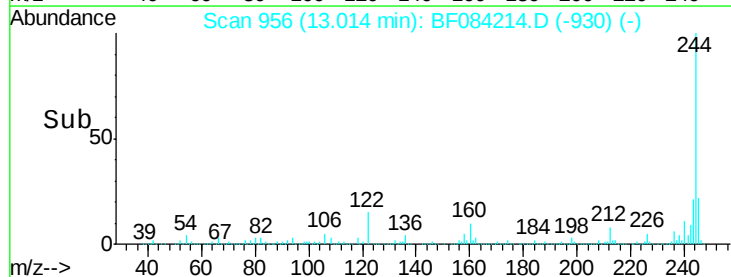
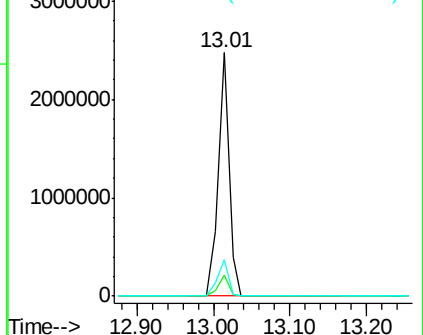
122 14.8 7.4 11.0#

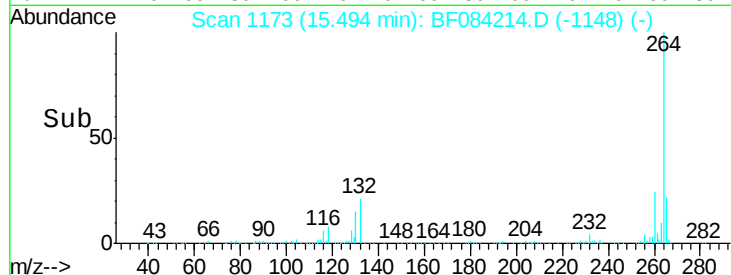
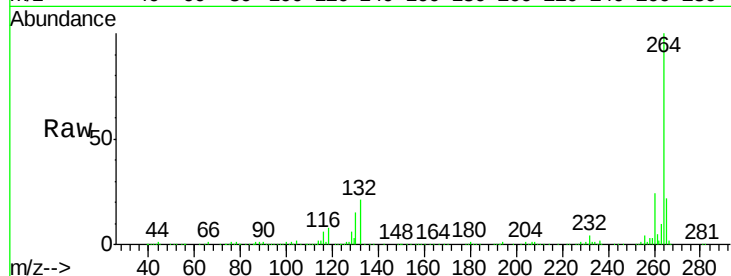
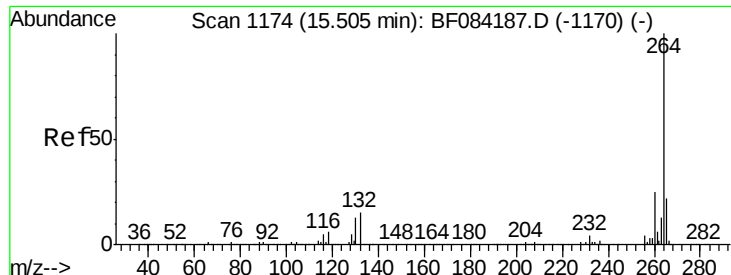


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF084214.D
Acq: 1 Jan 2016 00:12

Instrument :
BNA_F
ClientSampleId :
PB87615TB

Tgt Ion:	264	Resp:	576367
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.2	17.8	26.6

