

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084239.D
 Acq On : 4 Jan 2016 15:22
 Operator : UM/SJ
 Sample : G4981-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

Quant Time: Jan 05 05:47:20 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

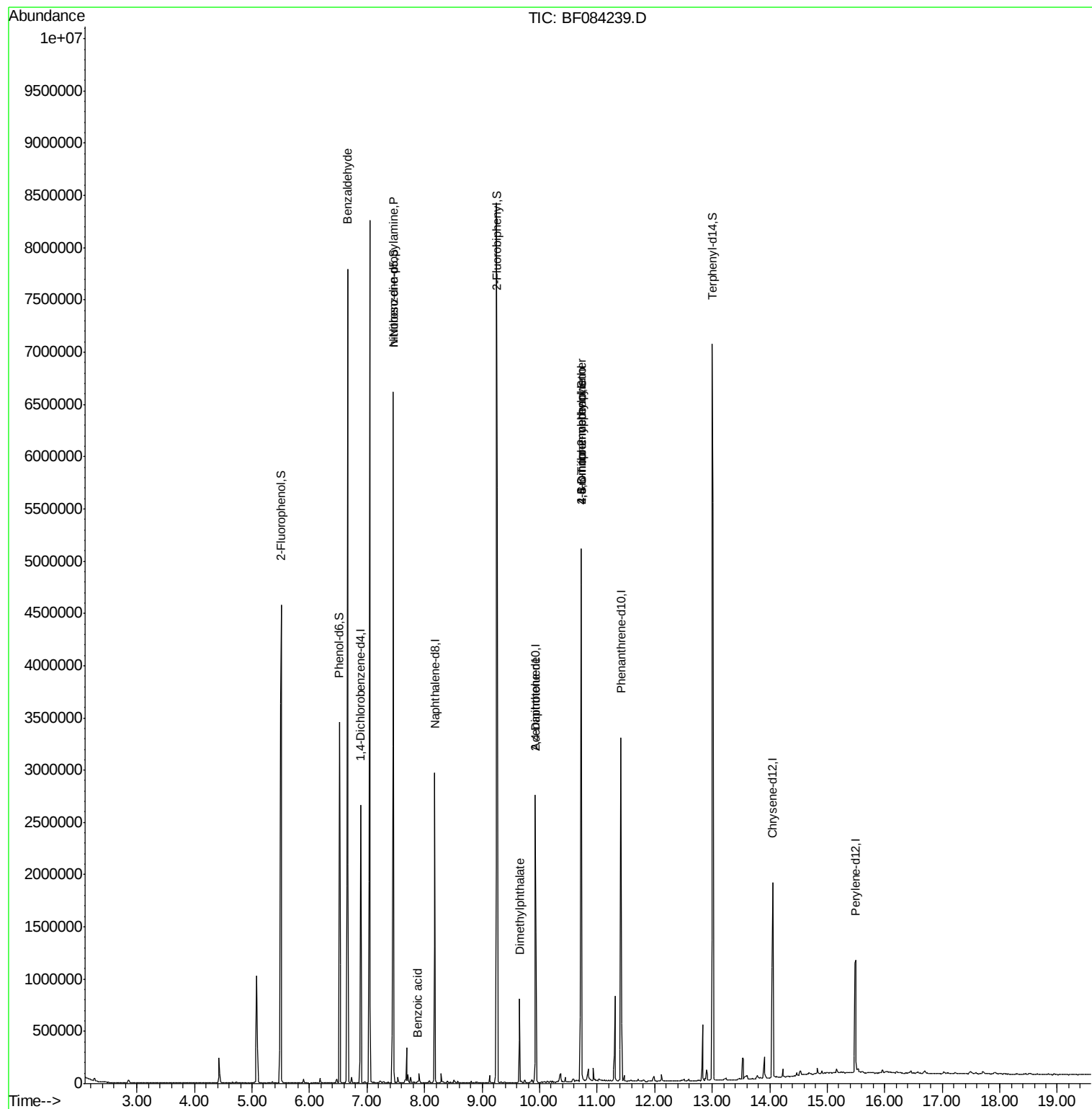
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	339356	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1430623	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	609169	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	1073130	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	764763	20.00	ng	-0.01
86) Perylene-d12	15.49	264	624987	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1600650	76.29	ng	0.01
7) Phenol-d6	6.52	99	1148545	43.59	ng	-0.01
23) Nitrobenzene-d5	7.46	82	2288441	89.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	894942	145.52	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	3567041	104.46	ng	-0.01
78) Terphenyl-d14	13.00	244	3080638	89.92	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	57764	3.37	ng	# 70
19) n-Nitroso-di-n-propylamine	7.46	70	342126	19.18	ng	# 70
32) Benzoic acid	7.87	122	1791	6.35	ng	90
49) Dimethylphthalate	9.65	163	385069	8.84	ng	# 91
54) Dibenzofuran	10.13	168	484	Below Cal	#	84
56) 2,4-Dinitrotoluene	9.93	165	78326	6.48	ng	# 22
57) Fluorene	10.72	166	35490	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.73	198	2181	6.67	ng	# 7
66) 4-Bromophenyl-phenylether	10.73	248	57737	5.00	ng	# 1
73) Di-n-butylphthalate	11.98	149	22546	Below Cal		98

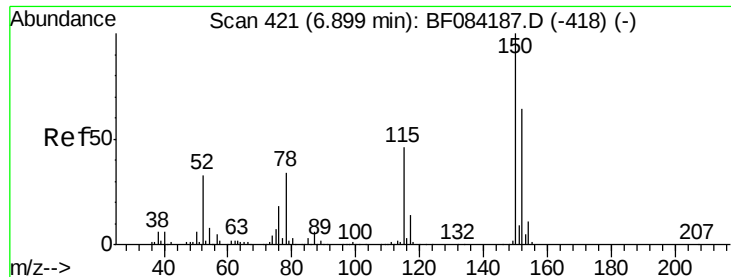
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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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: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

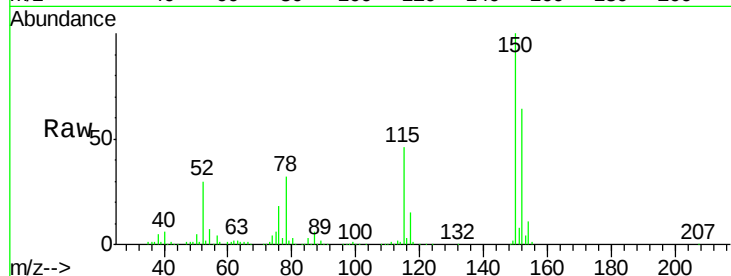
Tgt Ion:152 Resp: 339356

Ion Ratio Lower Upper

152 100

150 156.4 123.0 184.4

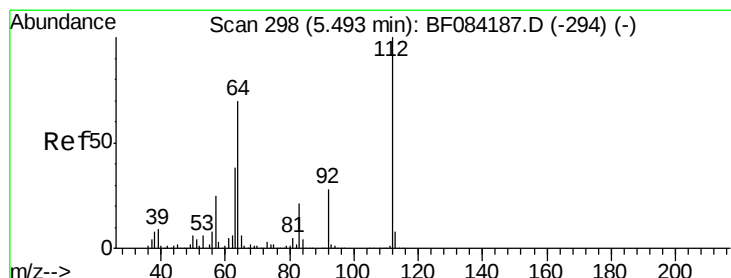
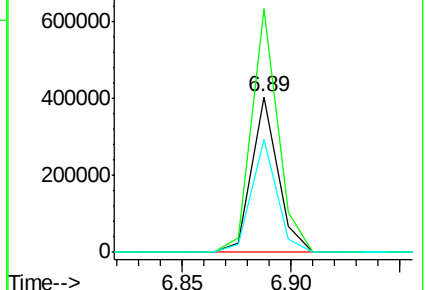
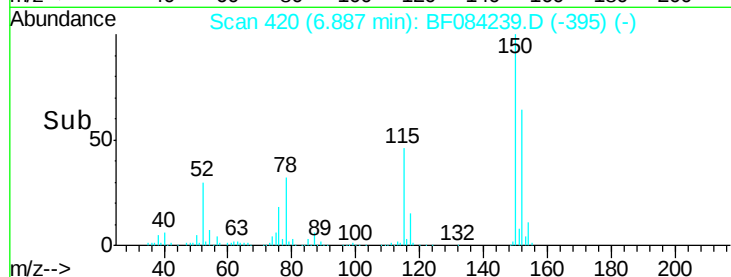
115 72.5 51.4 77.2



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: 76.29 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

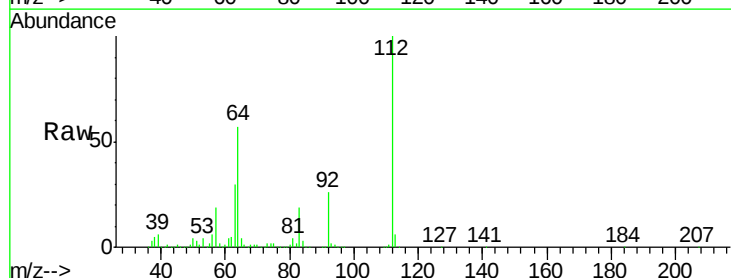
Tgt Ion:112 Resp: 1600650

Ion Ratio Lower Upper

112 100

64 56.7 36.6 55.0#

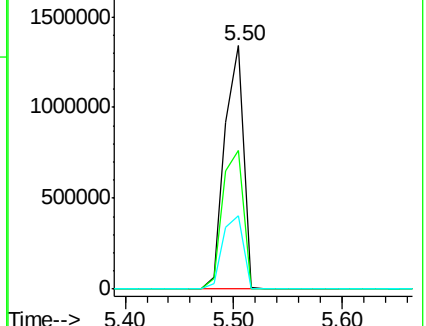
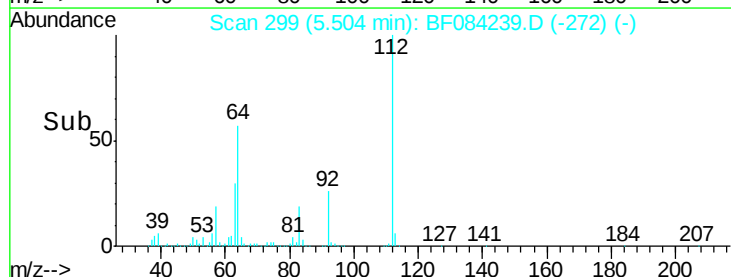
63 30.0 19.4 29.0#

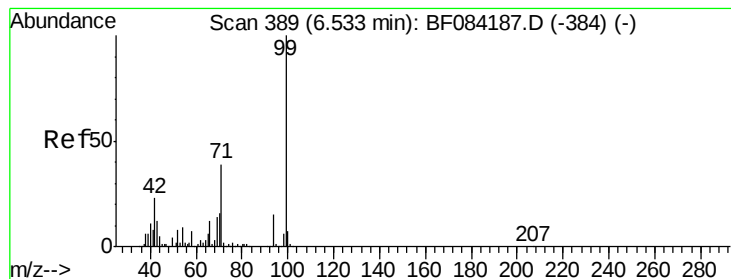


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.59 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

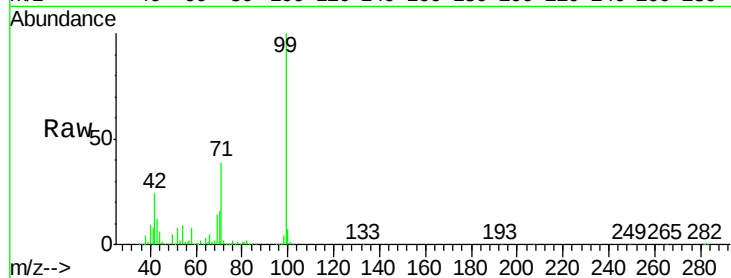
Tgt Ion: 99 Resp: 1148545

Ion Ratio Lower Upper

99 100

42 24.0 12.8 19.2#

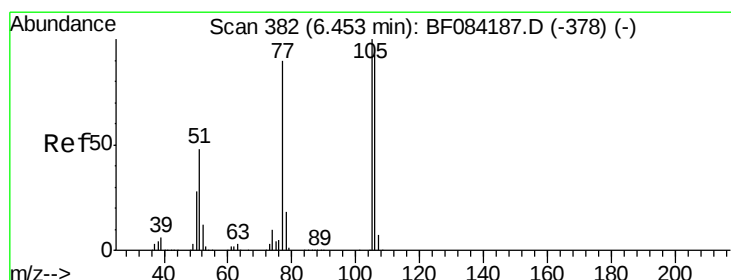
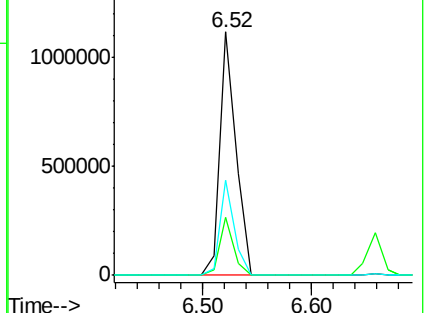
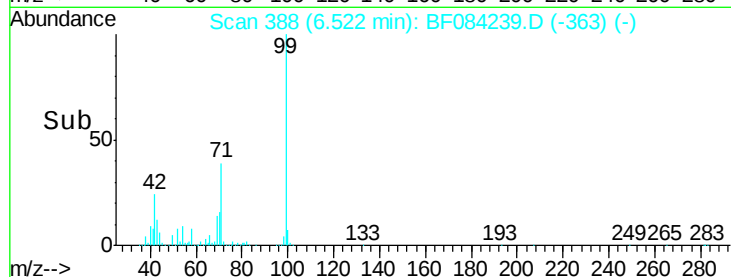
71 38.9 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.37 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.21 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

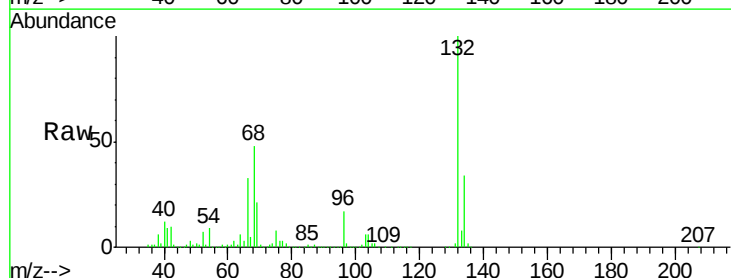
Tgt Ion: 77 Resp: 57764

Ion Ratio Lower Upper

77 100

105 74.8 83.0 123.0#

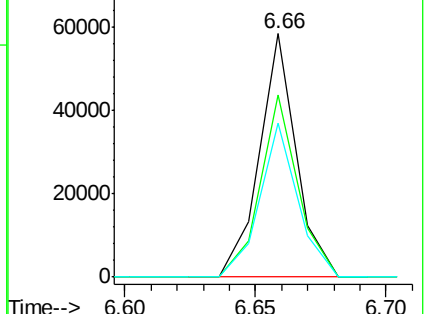
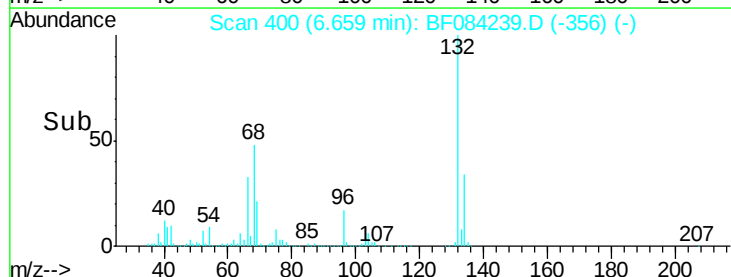
106 63.1 74.6 114.6#

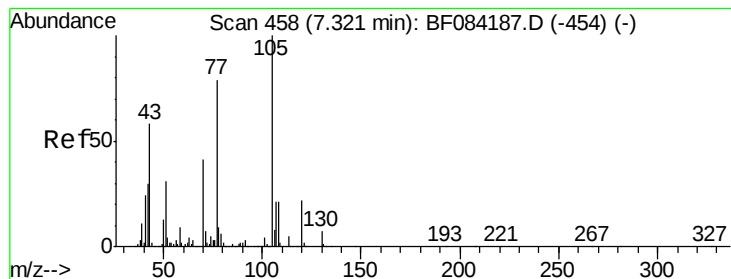


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 19.18 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

Tgt Ion: 70 Resp: 342126

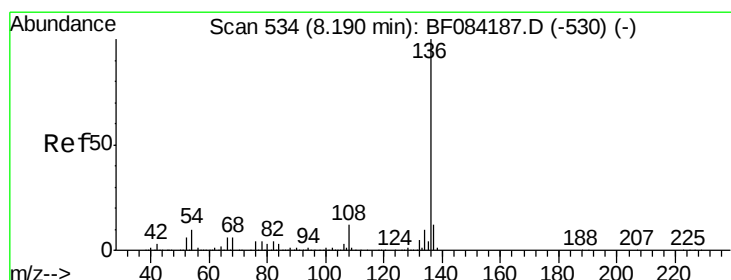
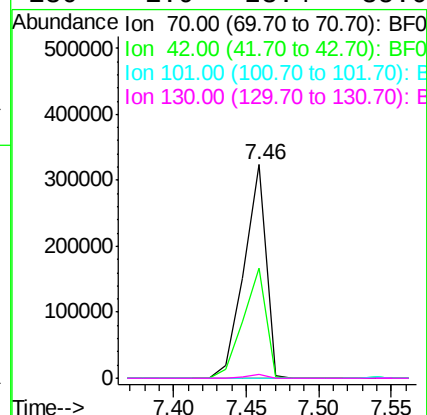
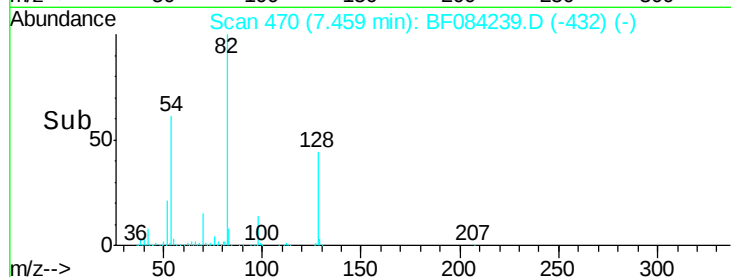
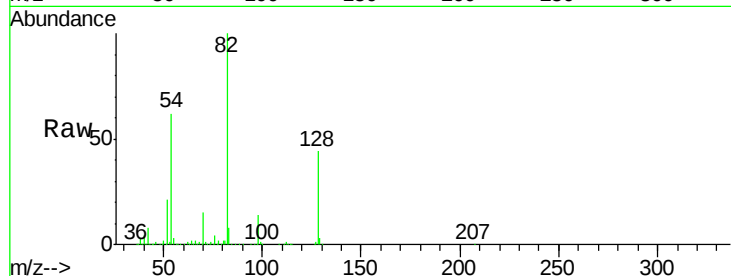
Ion Ratio Lower Upper

70 100

42 51.7 33.3 49.9#

101 0.0 9.3 13.9#

130 1.9 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: BF084239.D

Acq: 4 Jan 2016 15:22

Tgt Ion: 136 Resp: 1430623

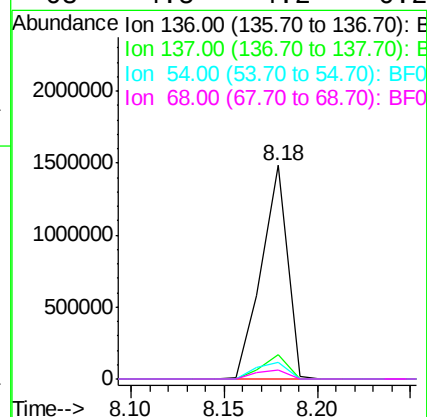
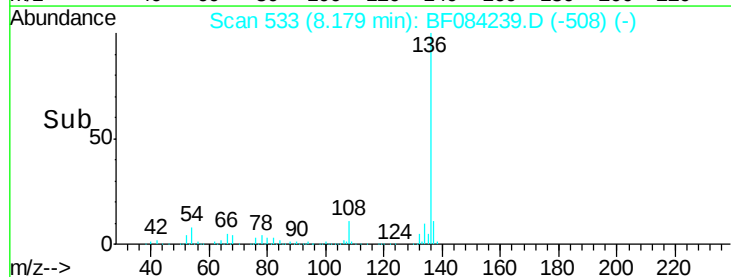
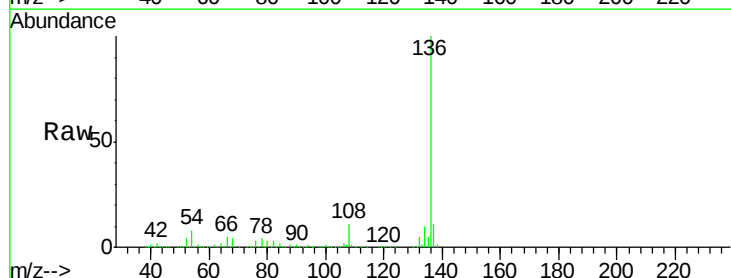
Ion Ratio Lower Upper

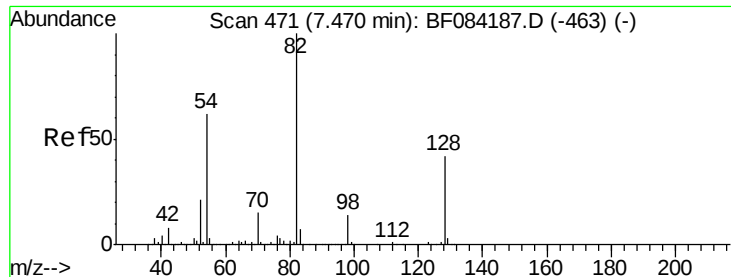
136 100

137 11.5 8.7 13.1

54 7.7 5.8 8.8

68 4.5 4.2 6.2

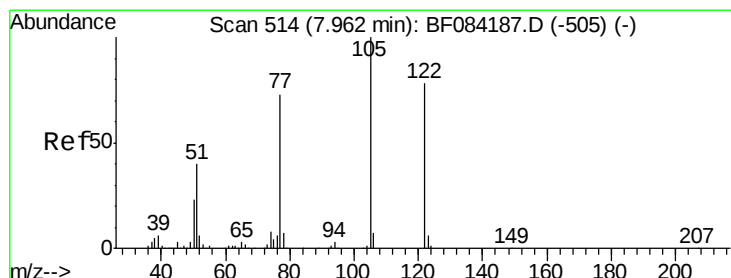
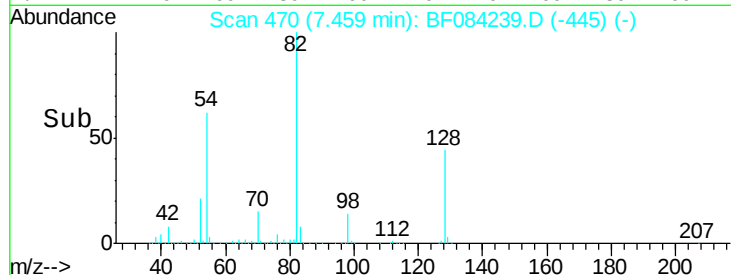
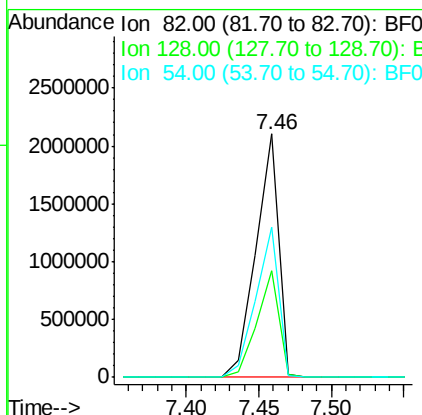
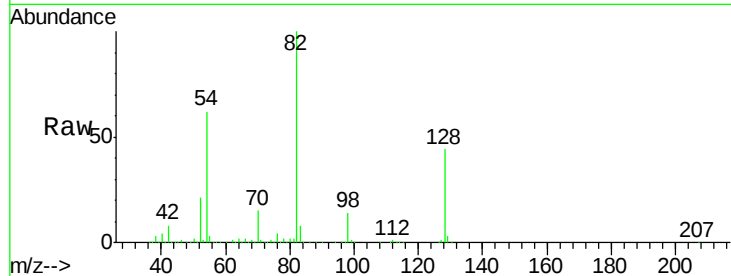




#23
 Nitrobenzene-d5
 Concen: 89.03 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084239.D
 Acq: 4 Jan 2016 15:22

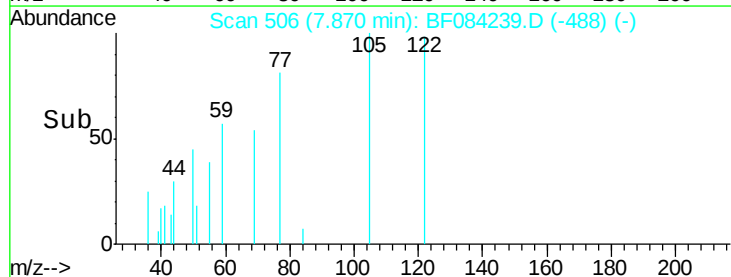
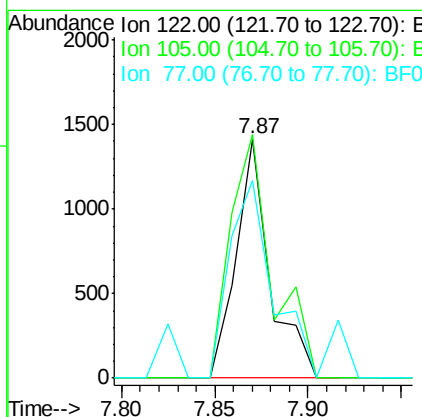
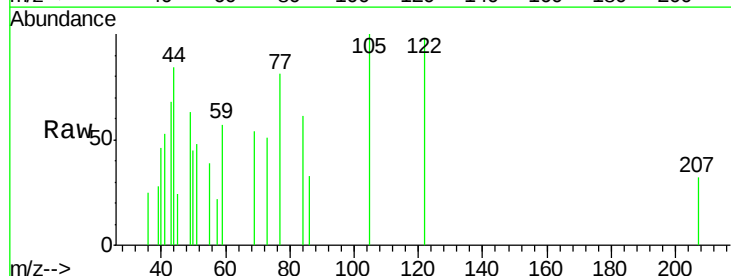
Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

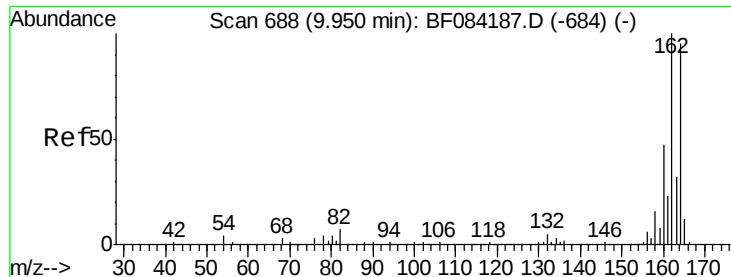
Tgt Ion: 82 Resp: 2288441
 Ion Ratio Lower Upper
 82 100
 128 43.6 34.6 51.8
 54 61.5 38.4 57.6#



#32
 Benzoic acid
 Concen: 6.35 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.09 min
 Lab File: BF084239.D
 Acq: 4 Jan 2016 15:22

Tgt Ion: 122 Resp: 1791
 Ion Ratio Lower Upper
 122 100
 105 102.0 100.3 140.3
 77 82.8 63.5 103.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

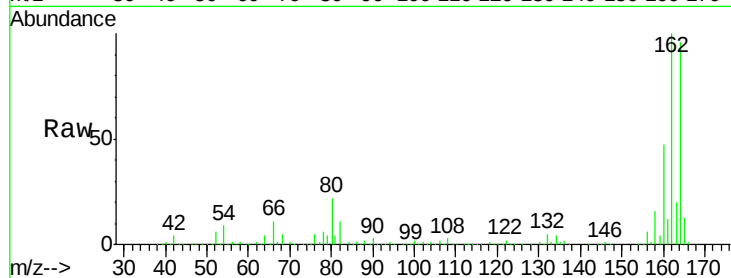
Tgt Ion:164 Resp: 609169

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

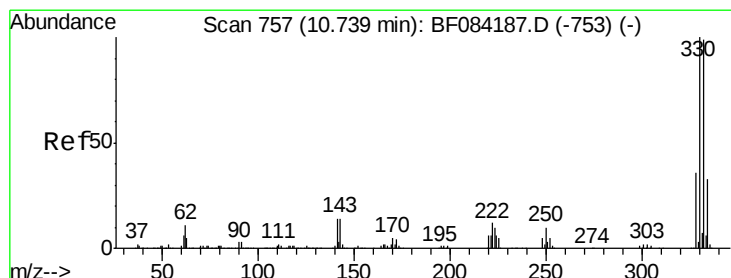
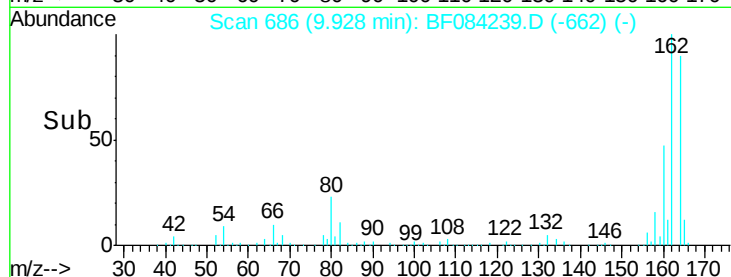
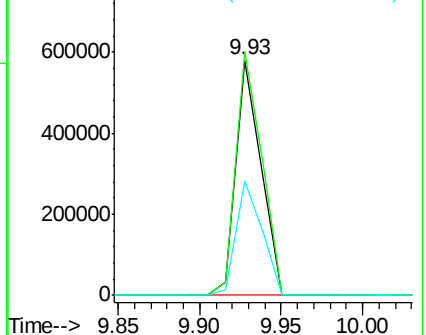
160 48.6 37.5 56.3



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: 145.52 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

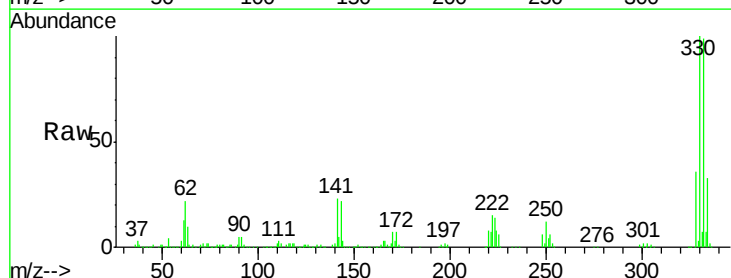
Tgt Ion:330 Resp: 894942

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

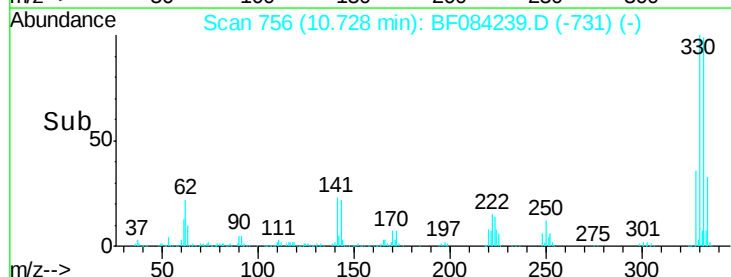
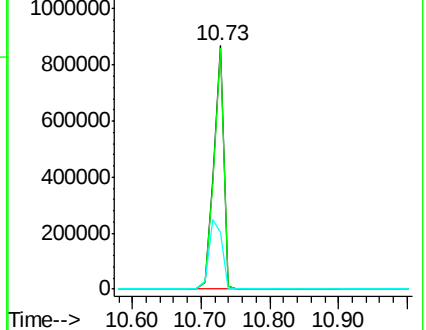
141 37.2 27.8 41.6

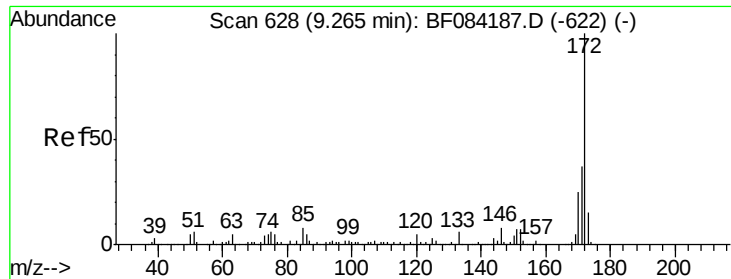


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

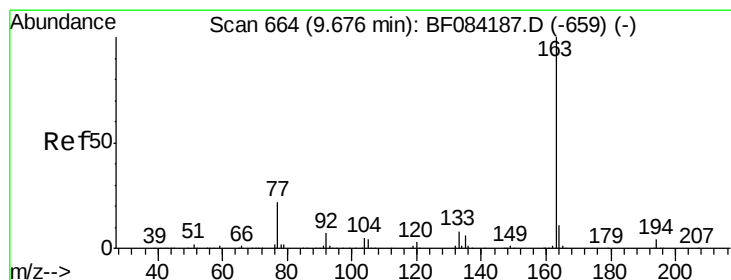
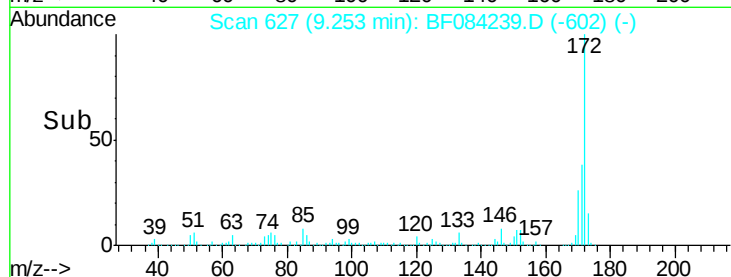
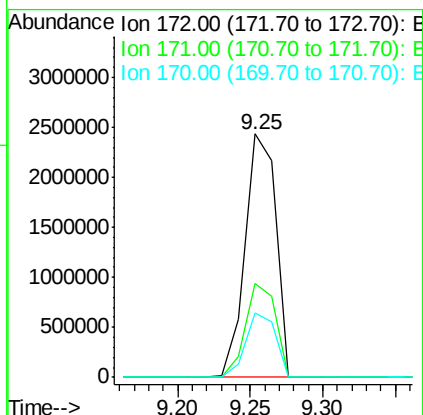
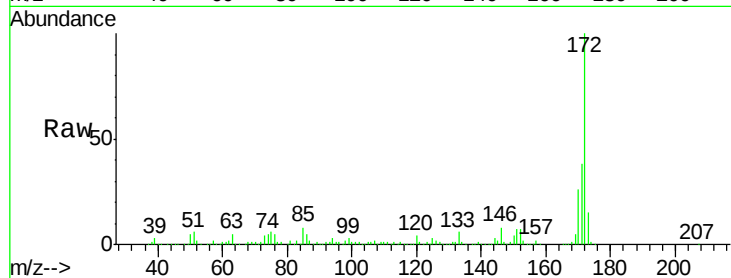




#44
2-Fluorobiphenyl
Concen: 104.46 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF084239.D
Acq: 4 Jan 2016 15:22

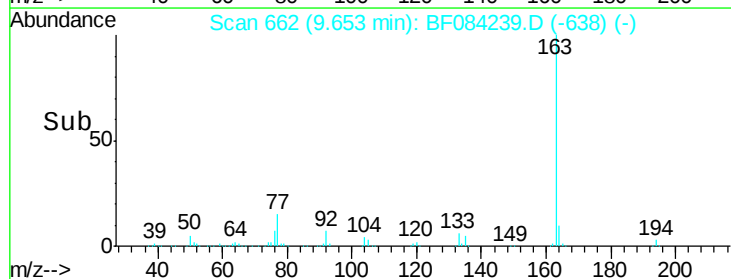
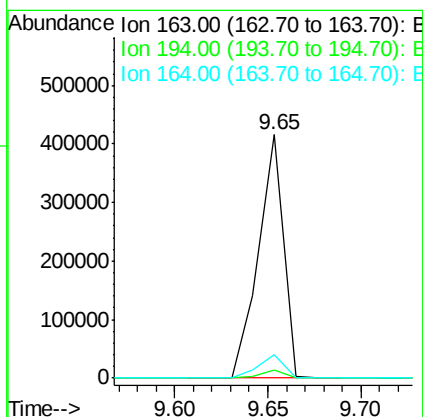
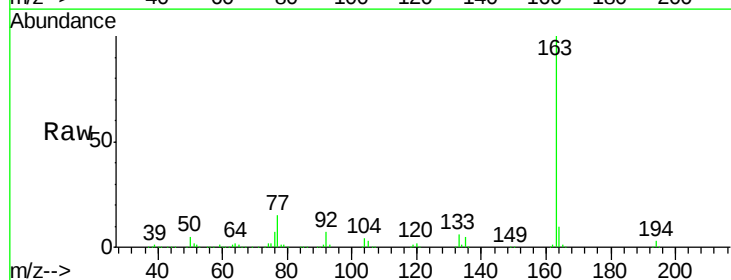
Instrument :
BNA_F
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S8-0533

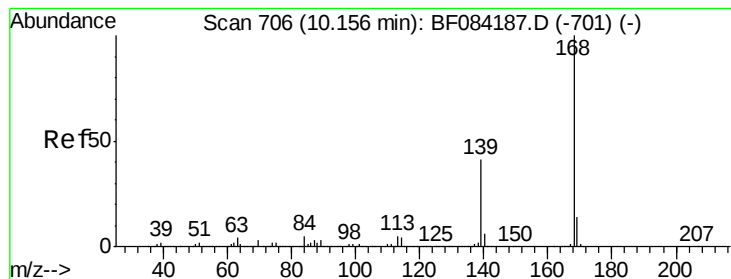
Tgt Ion:172 Resp: 3567041
Ion Ratio Lower Upper
172 100
171 38.4 28.9 43.3
170 26.4 18.6 27.8



#49
Dimethylphthalate
Concen: 8.84 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084239.D
Acq: 4 Jan 2016 15:22

Tgt Ion:163 Resp: 385069
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 9.5 8.0 12.0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

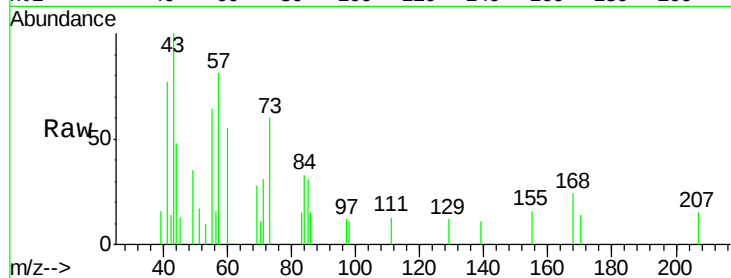
Tgt Ion:168 Resp: 484

Ion Ratio Lower Upper

168 100

139 44.5 30.5 45.7

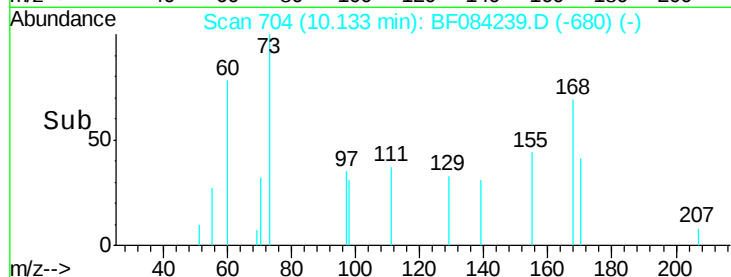
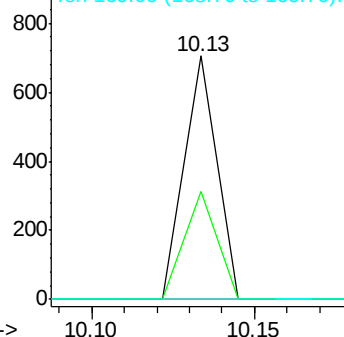
169 0.0 10.4 15.6#



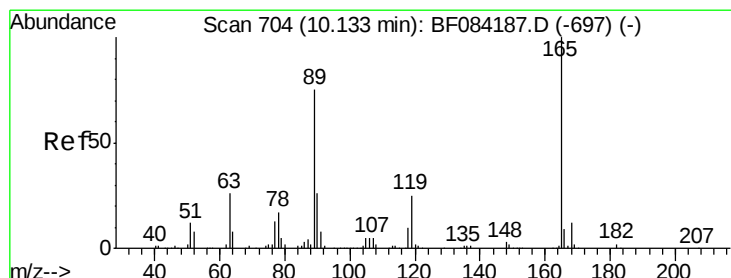
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.21 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Tgt Ion:165 Resp: 78326

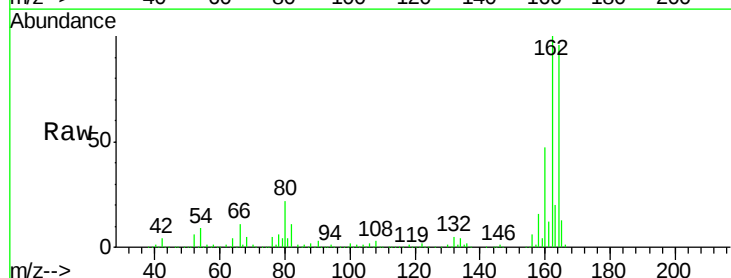
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 1.9 61.9 92.9#

182 0.0 2.0 3.0#

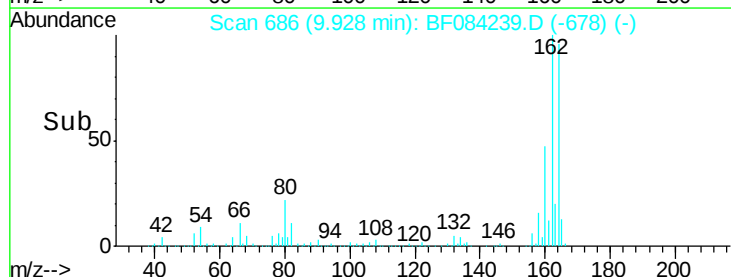
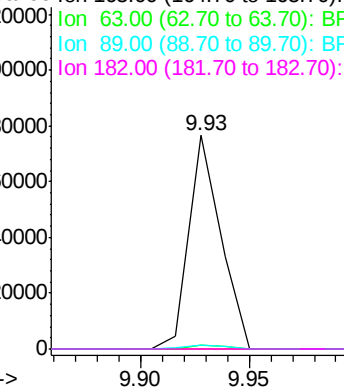


Abundance Ion 165.00 (164.70 to 165.70): E

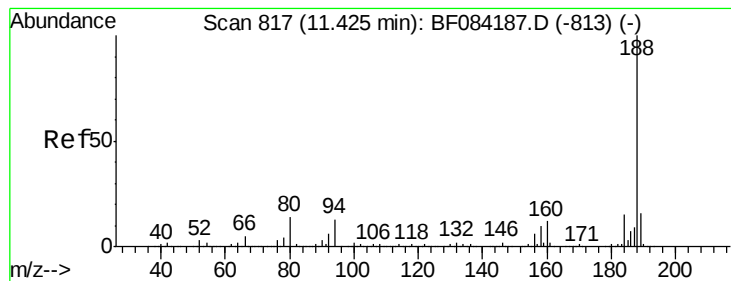
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

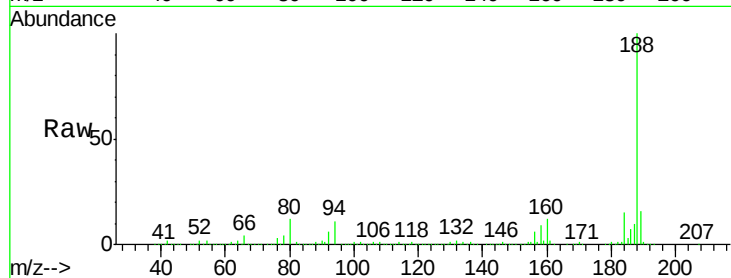
Tgt Ion:188 Resp: 1073130

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

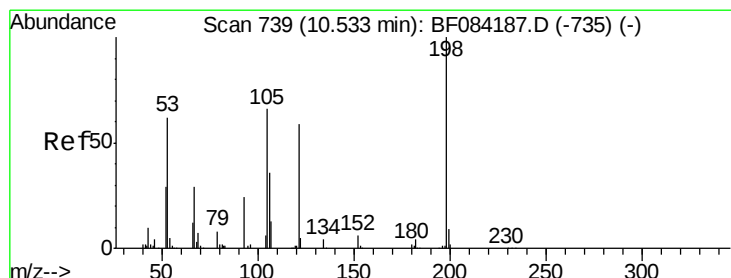
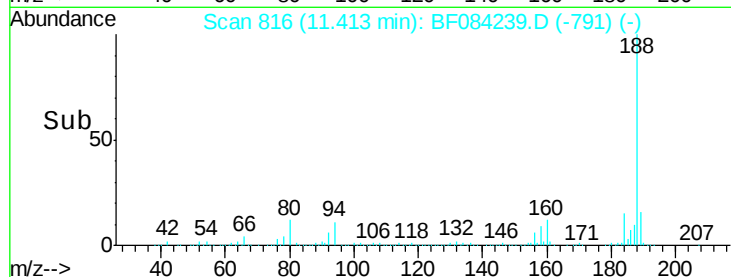
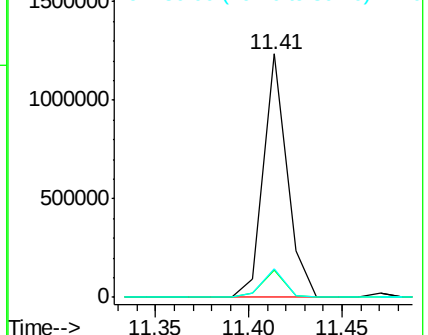
80 12.0 9.6 14.4



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: 6.67 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

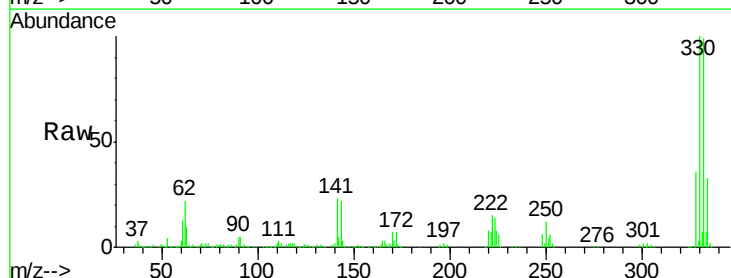
Tgt Ion:198 Resp: 2181

Ion Ratio Lower Upper

198 100

51 85.0 18.9 58.9#

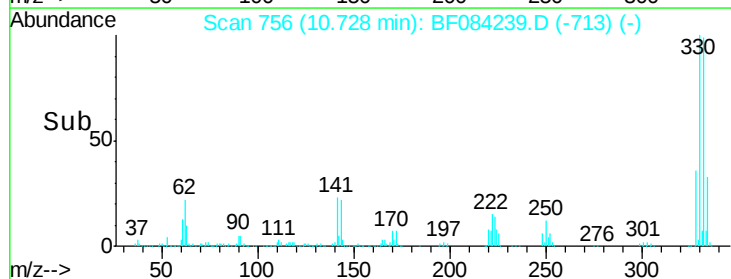
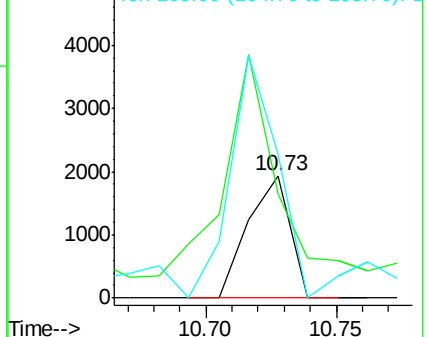
105 117.5 26.4 66.4#

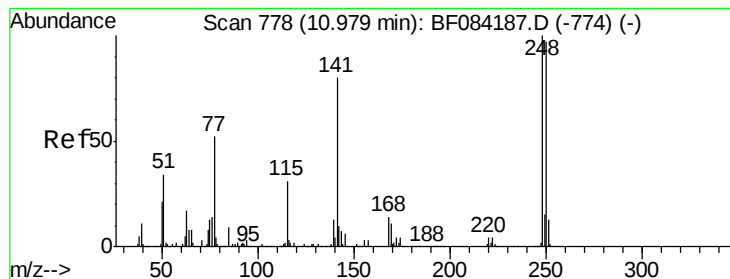


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.00 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084239.D

Acq: 4 Jan 2016 15:22

Instrument :

BNA_F

ClientSampleId :

S8-0533

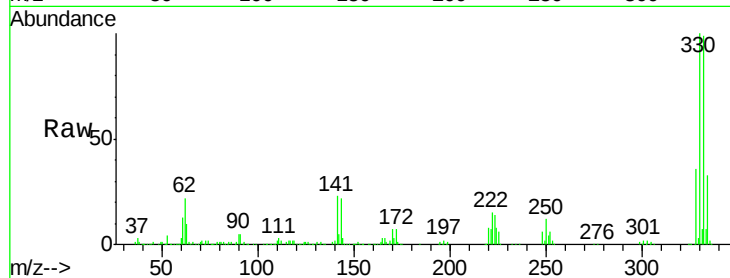
Tgt Ion:248 Resp: 57737

Ion Ratio Lower Upper

248 100

250 208.7 78.4 117.6#

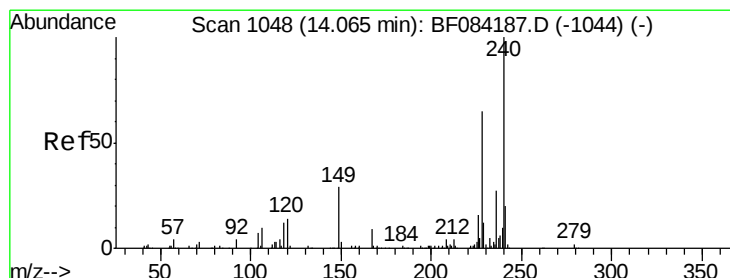
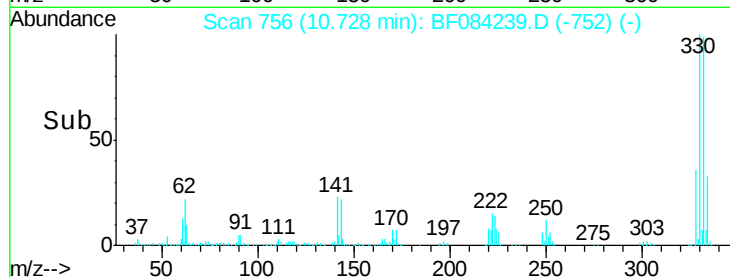
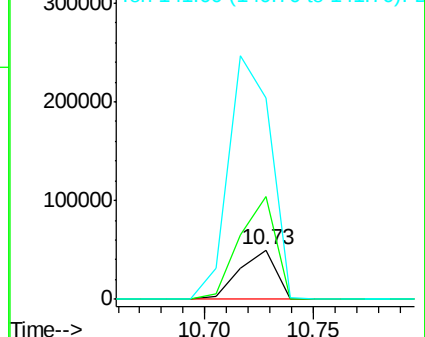
141 410.2 44.0 66.0#



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: BF084239.D

Acq: 4 Jan 2016 15:22

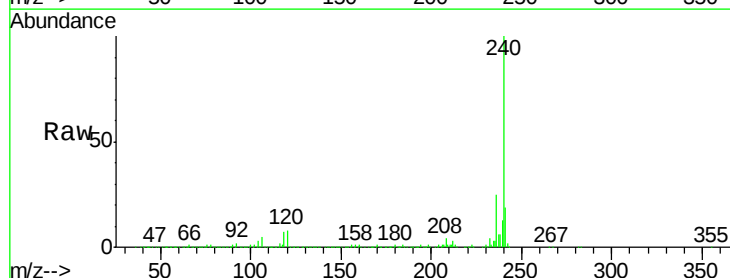
Tgt Ion:240 Resp: 764763

Ion Ratio Lower Upper

240 100

120 8.0 9.5 14.3#

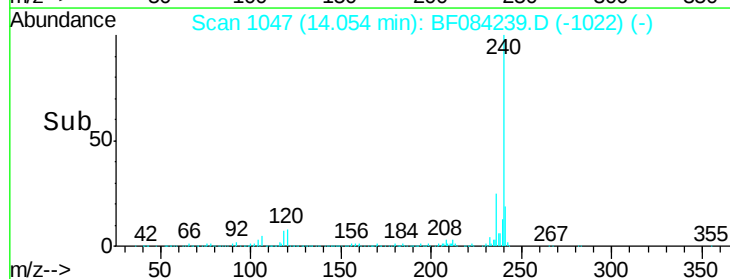
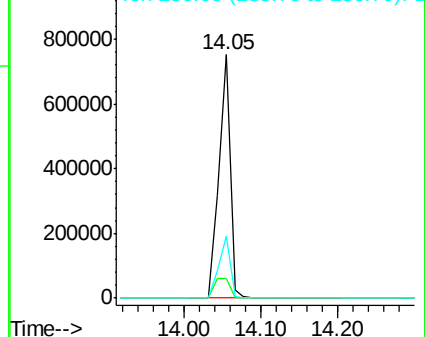
236 25.2 20.6 31.0

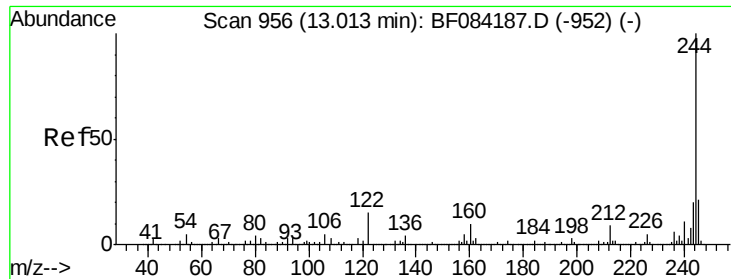


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

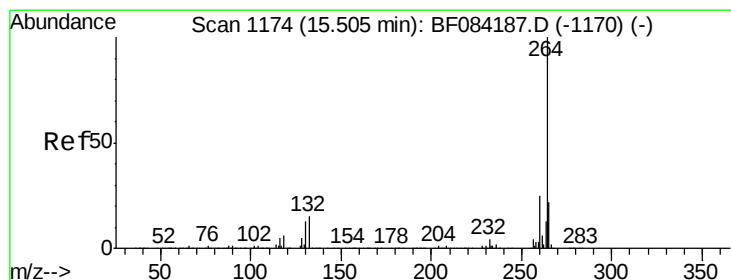
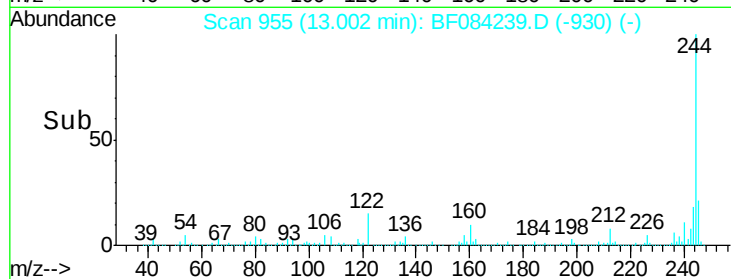
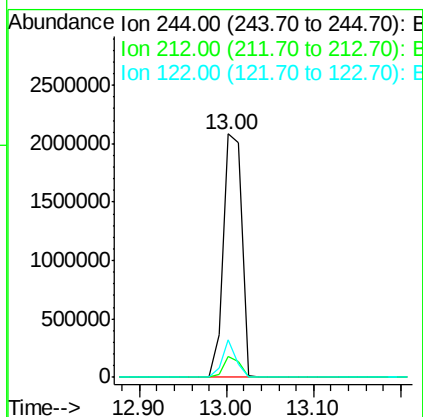
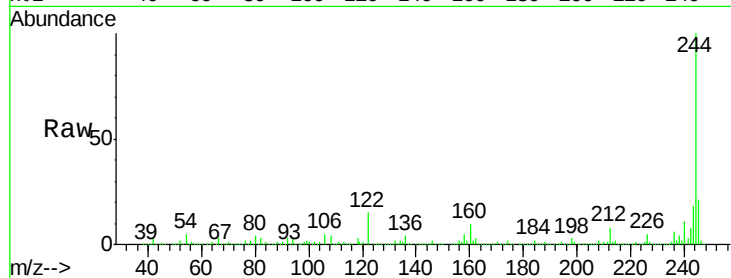




#78
 Terphenyl-d14
 Concen: 89.92 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BF084239.D
 Acq: 4 Jan 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 S8-0533

Tgt Ion:244 Resp: 3080638
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 15.2 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: BF084239.D
 Acq: 4 Jan 2016 15:22

Tgt Ion:264 Resp: 624987
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.2
 265 21.4 17.8 26.6

