

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084976.D
 Acq On : 10 Feb 2016 2:27
 Operator : SJ/IZ
 Sample : H1329-11
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(27-29)

Quant Time: Feb 10 03:30:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

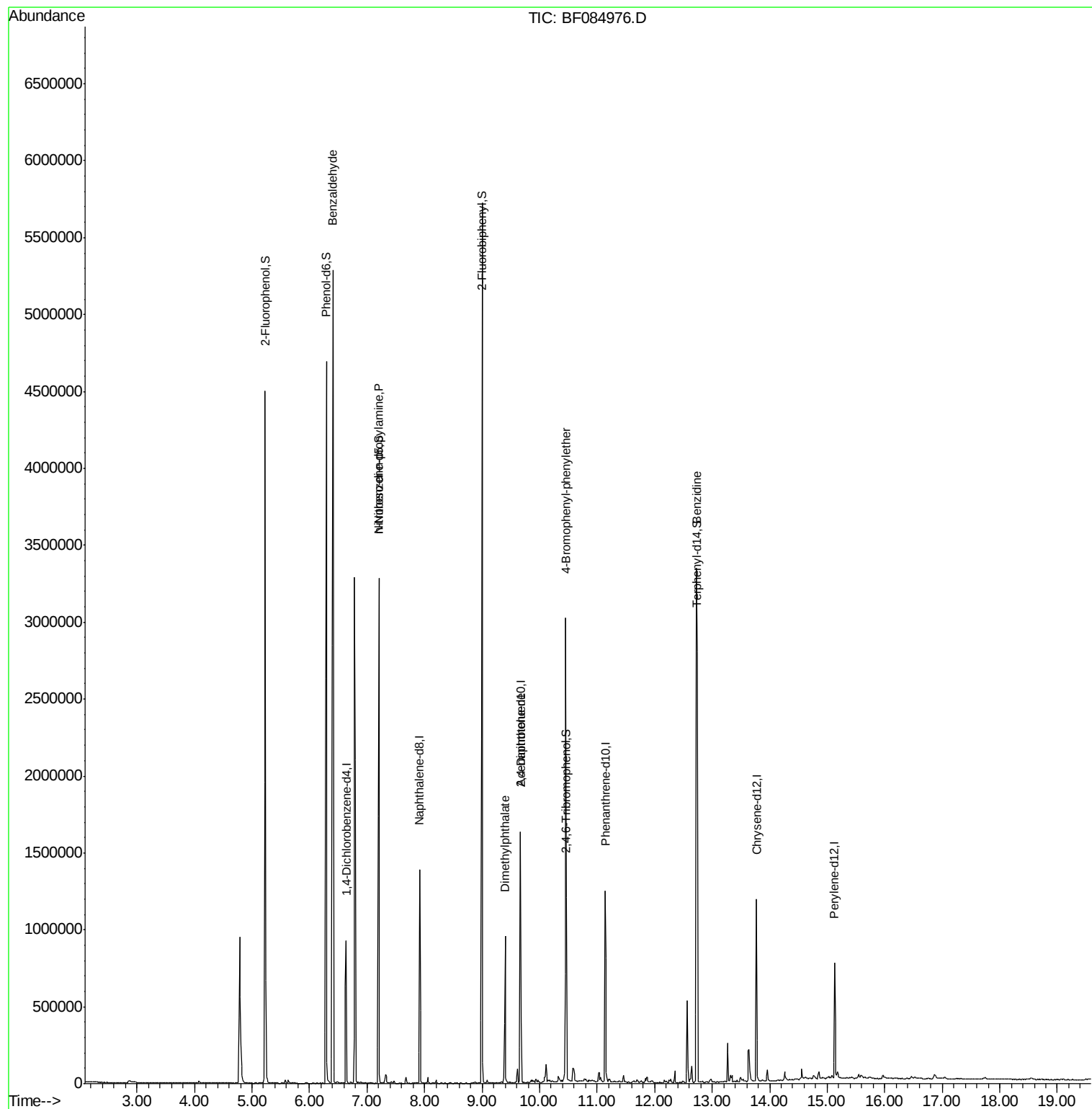
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	179248	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	699405	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	324786	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	586783	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	392818	20.00	ng	-0.07
86) Perylene-d12	15.13	264	326760	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1382824	120.16	ng	-0.05
7) Phenol-d6	6.29	99	1813887	127.14	ng	-0.05
23) Nitrobenzene-d5	7.21	82	1229357	99.02	ng	-0.06
41) 2,4,6-Tribromophenol	10.46	330	453350	133.82	ng	-0.06
44) 2-Fluorobiphenyl	9.00	172	1871227	105.58	ng	-0.06
78) Terphenyl-d14	12.74	244	1542759	89.00	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.41	77	38832	4.61	ng	81
19) n-Nitroso-di-n-propylamine	7.21	70	170802	19.10	ng	# 73
49) Dimethylphthalate	9.40	163	438150	17.71	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	43085	6.25	ng	# 21
66) 4-Bromophenyl-phenylether	10.45	248	26409	4.07	ng	# 1
76) Benzidine	12.73	184	20487	7.87	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Instrument :

BNA_F

ClientSampleId :

S4-B009(27-29)

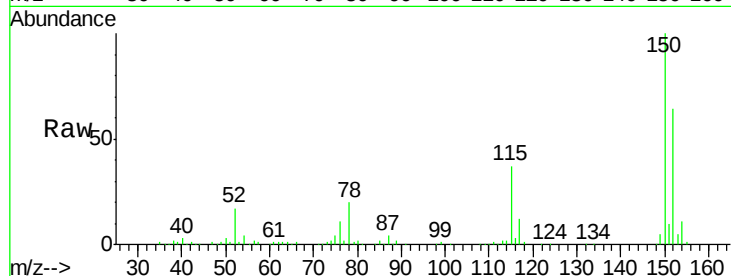
Tgt Ion:152 Resp: 179248

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

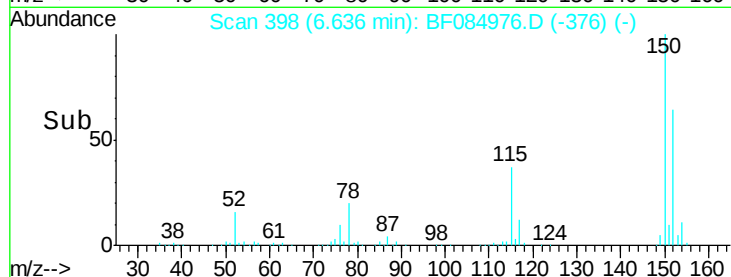
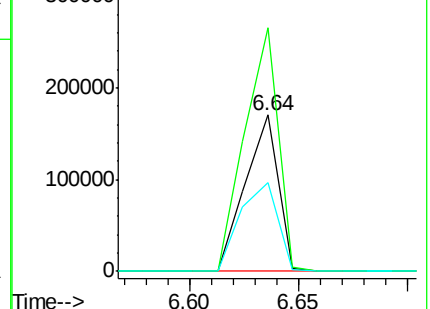
115 57.0 51.4 77.2



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: 120.16 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

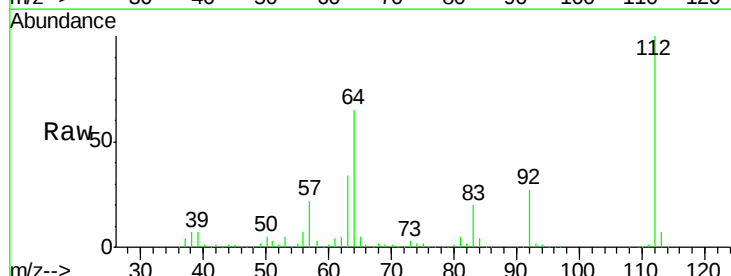
Tgt Ion:112 Resp: 1382824

Ion Ratio Lower Upper

112 100

64 64.6 36.6 55.0#

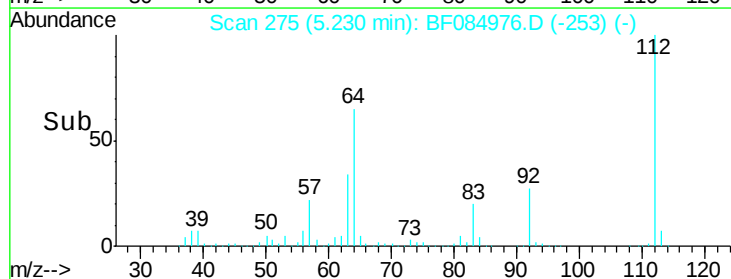
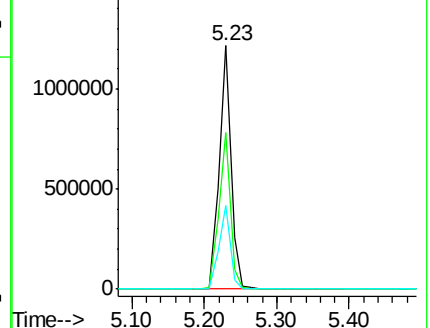
63 34.1 19.4 29.0#



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: 127.14 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Instrument :

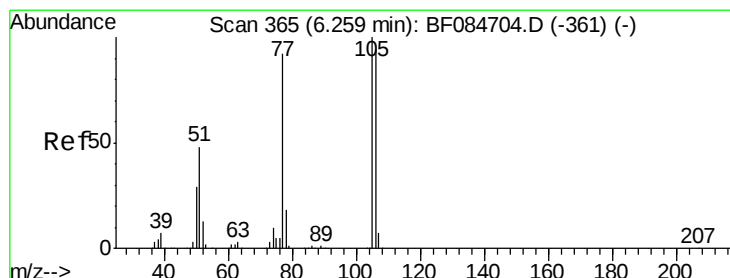
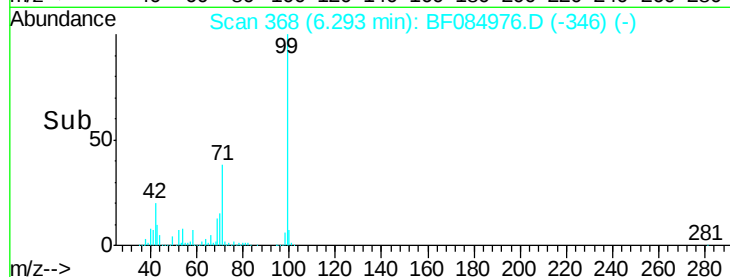
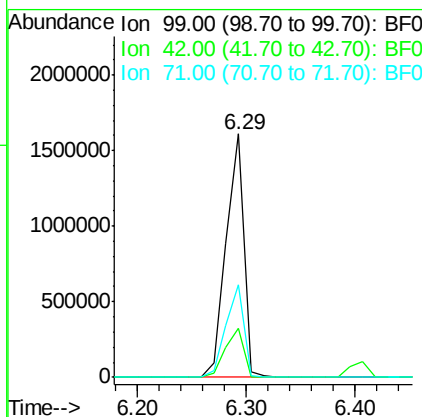
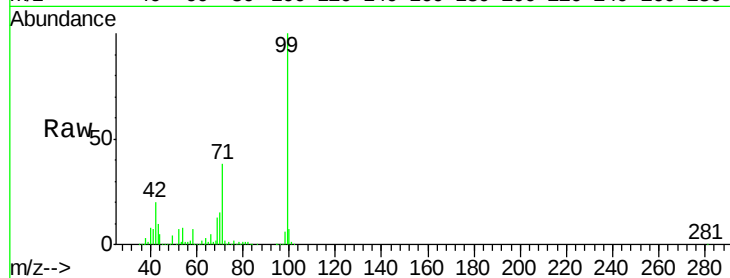
BNA_F

ClientSampleId :

S4-B009(27-29)

Tgt Ion: 99 Resp: 1813887

Ion	Ratio	Lower	Upper
99	100		
42	20.0	12.8	19.2#
71	37.9	30.9	46.3



#9

Benzaldehyde

Concen: 4.61 ng

RT: 6.41 min Scan# 378

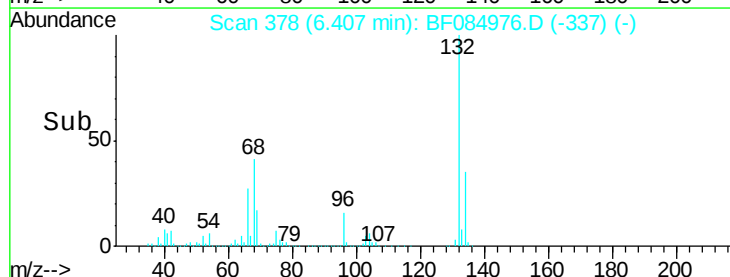
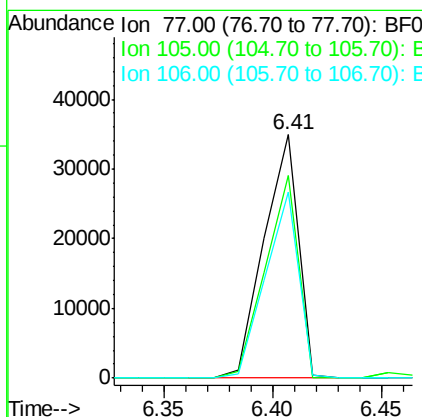
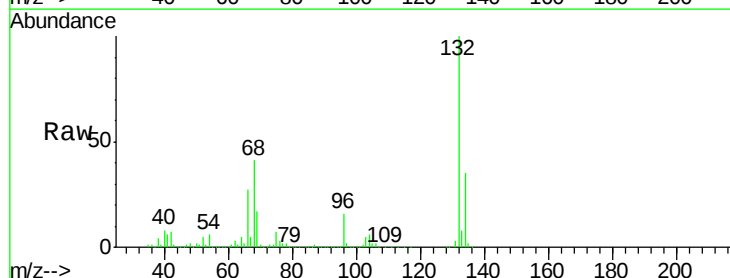
Delta R.T. 0.17 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Tgt Ion: 77 Resp: 38832

Ion	Ratio	Lower	Upper
77	100		
105	83.4	83.0	123.0
106	76.5	74.6	114.6





#19

n-Nitroso-di-n-propylamine

Concen: 19.10 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.09 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Instrument :

BNA_F

ClientSampleId :

S4-B009(27-29)

Tgt Ion: 70 Resp: 170802

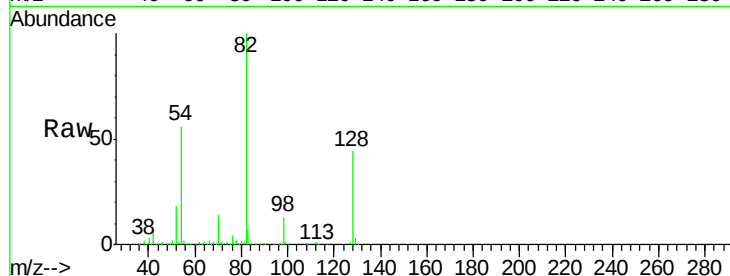
Ion Ratio Lower Upper

70 100

42 48.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

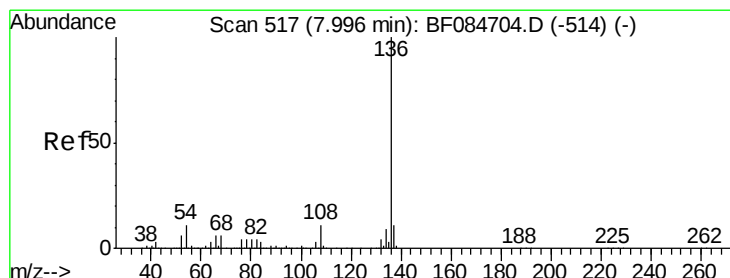
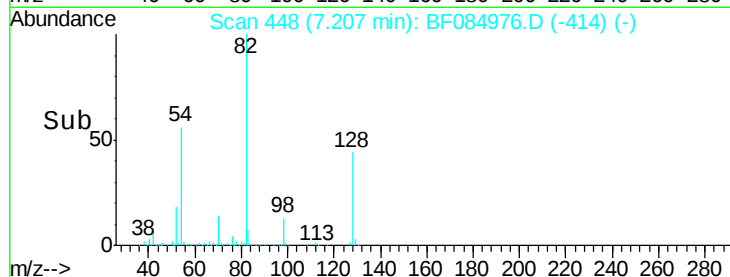
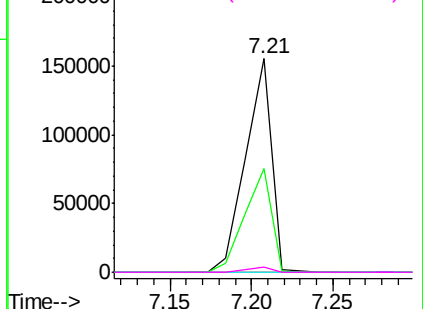


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Tgt Ion: 136 Resp: 699405

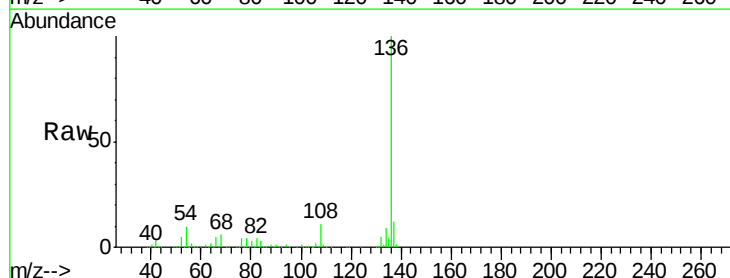
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 10.2 5.8 8.8#

68 5.6 4.2 6.2

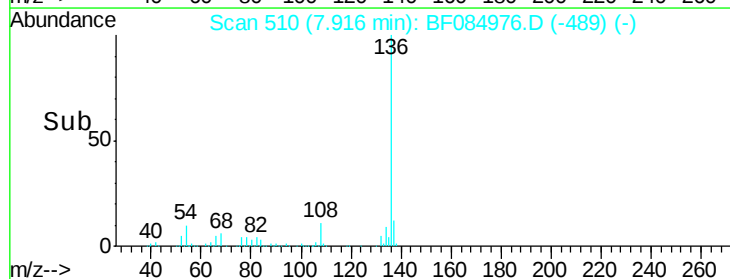
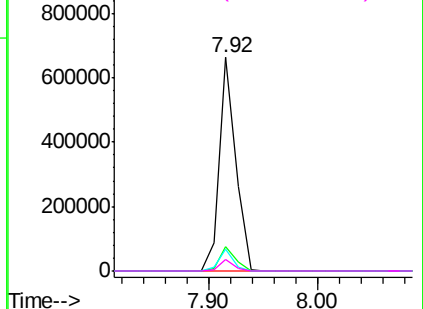


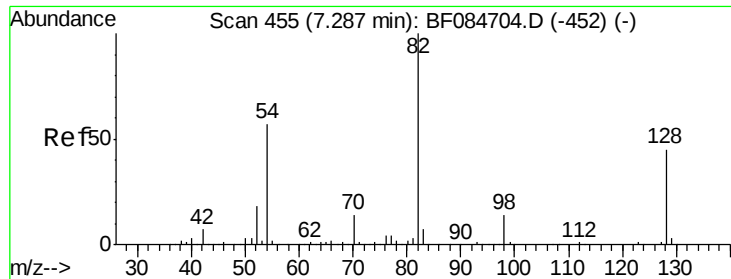
Abundance Ion 136.00 (135.70 to 136.70): E

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

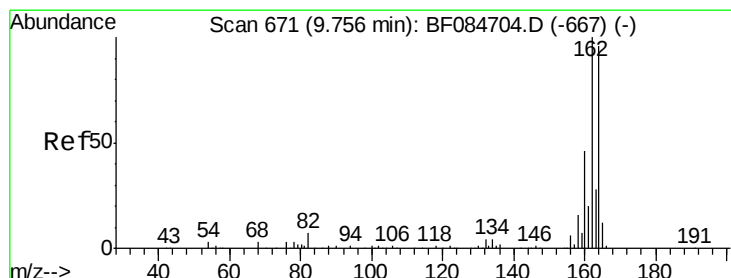
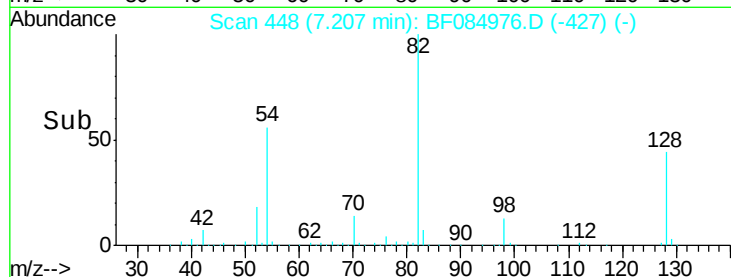
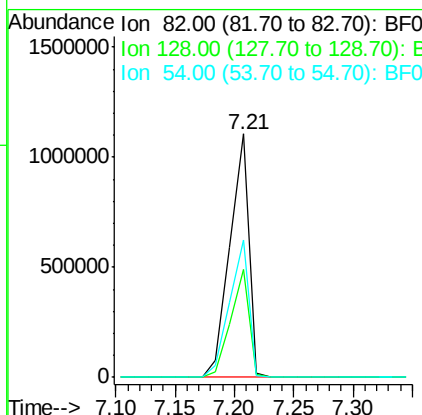
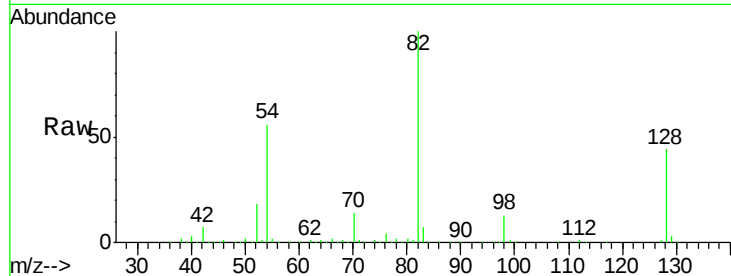




#23
 Nitrobenzene-d5
 Concen: 99.02 ng
 RT: 7.21 min Scan# 448
 Delta R.T. -0.06 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

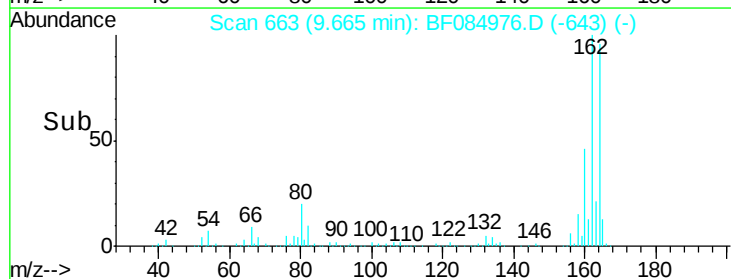
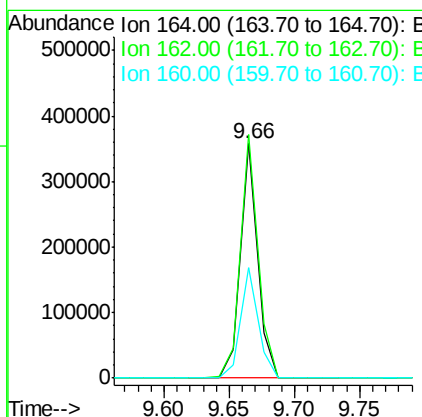
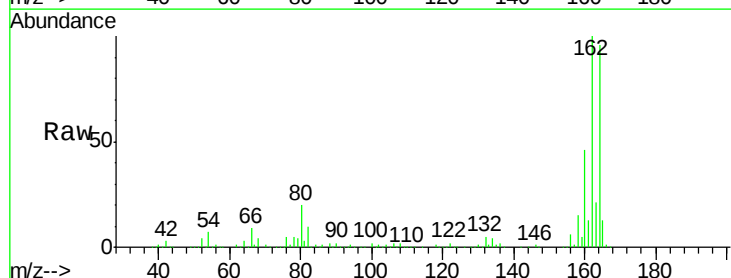
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(27-29)

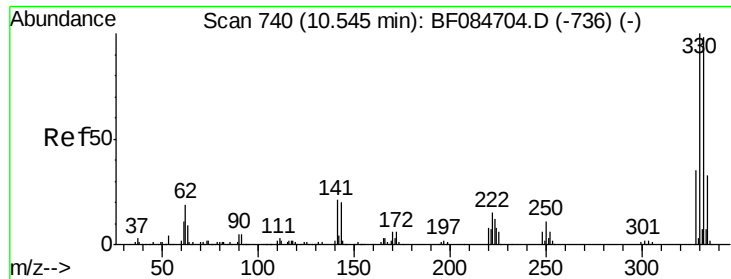
Tgt Ion: 82 Resp: 1229357
 Ion Ratio Lower Upper
 82 100
 128 44.2 34.6 51.8
 54 56.2 38.4 57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.07 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Tgt Ion: 164 Resp: 324786
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.1 127.7
 160 47.4 37.5 56.3

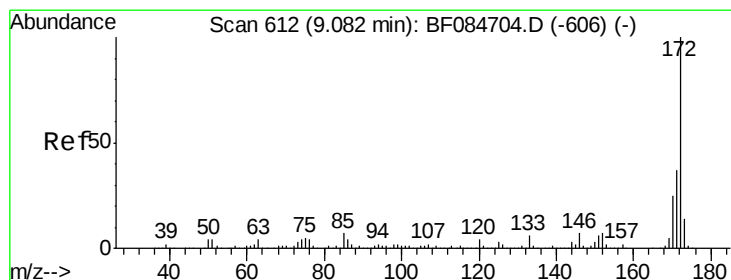
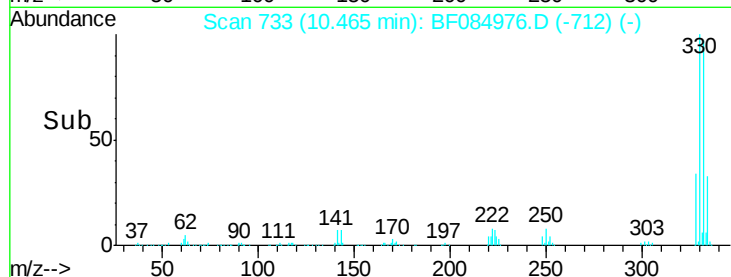
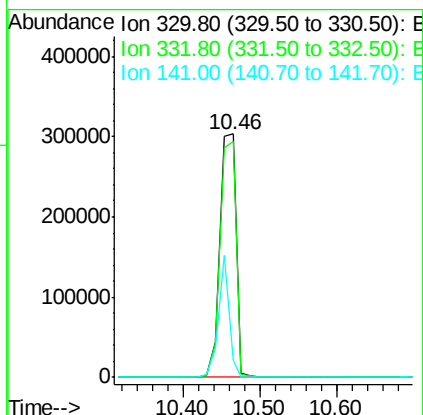
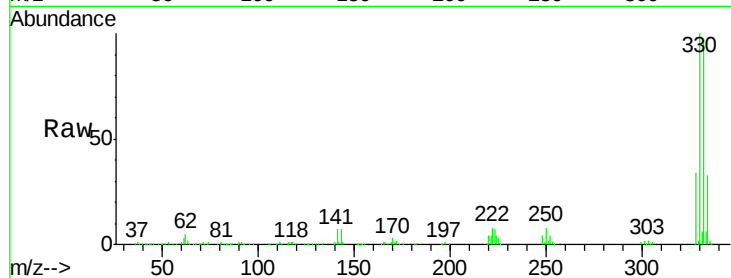




#41
 2,4,6-Tribromophenol
 Concen: 133.82 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.06 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

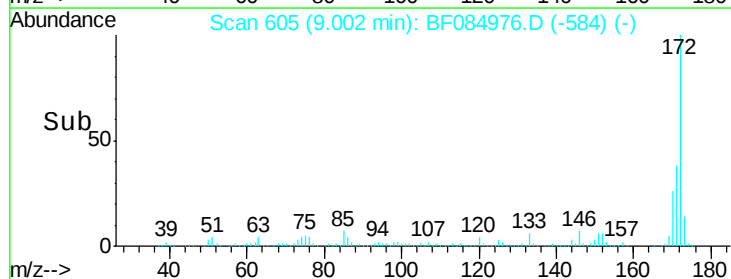
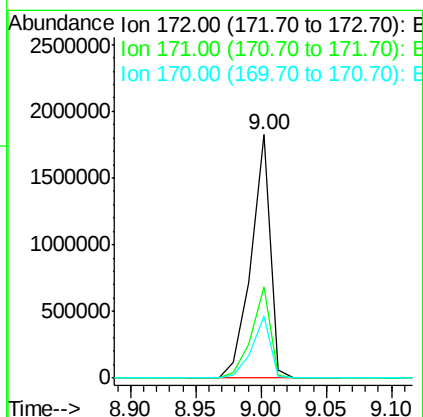
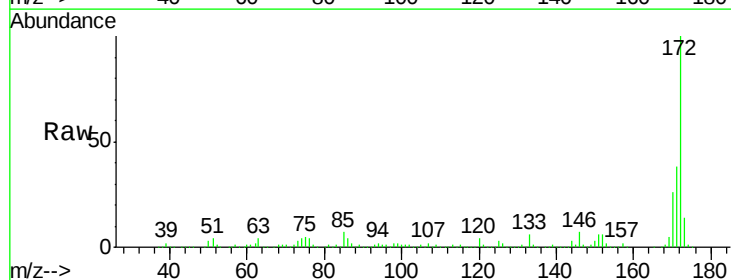
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(27-29)

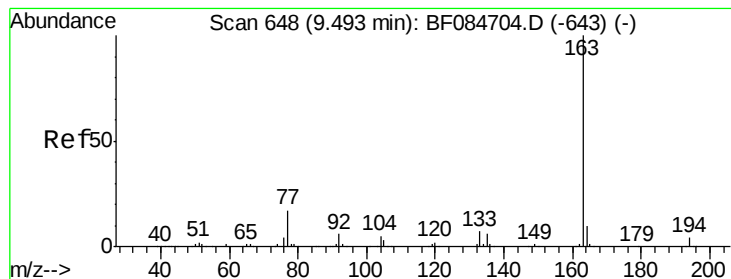
Tgt Ion:330 Resp: 453350
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 32.8 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 105.58 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Tgt Ion:172 Resp: 1871227
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.9 43.3
 170 25.7 18.6 27.8





#49

Dimethylphthalate

Concen: 17.71 ng

RT: 9.40 min Scan# 640

Delta R.T. -0.07 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Instrument :

BNA_F

ClientSampleId :

S4-B009(27-29)

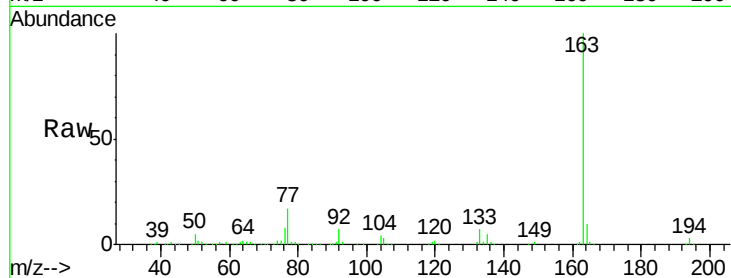
Tgt Ion:163 Resp: 438150

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

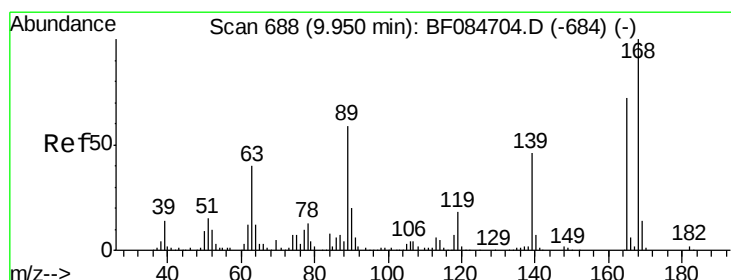
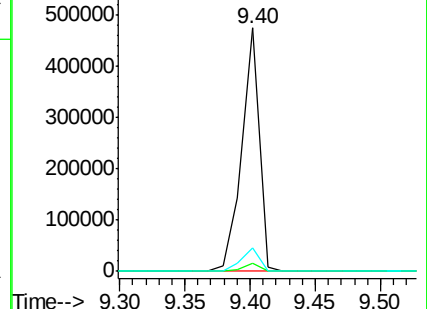
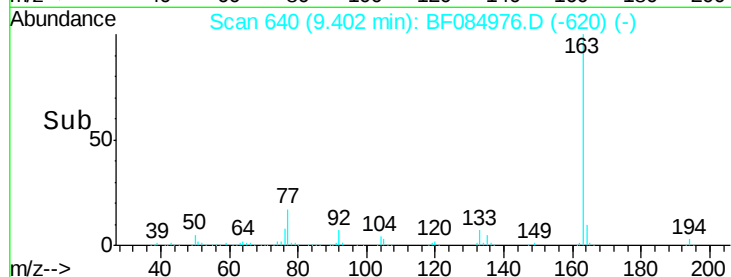
164 9.8 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.25 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Tgt Ion:165 Resp: 43085

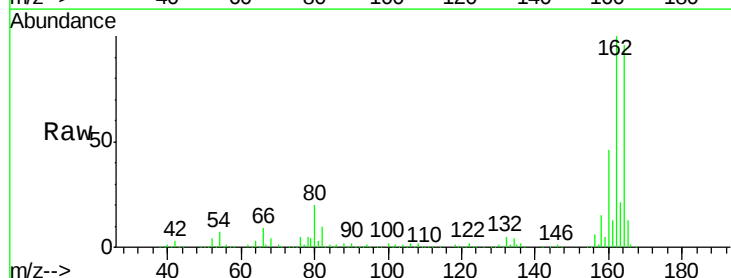
Ion Ratio Lower Upper

165 100

63 1.9 36.7 55.1#

89 1.2 61.9 92.9#

182 0.0 2.0 3.0#

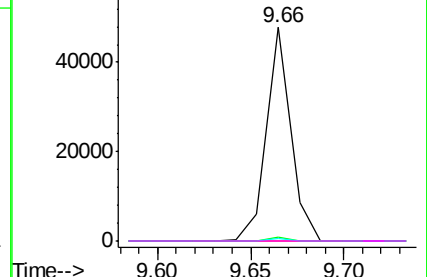
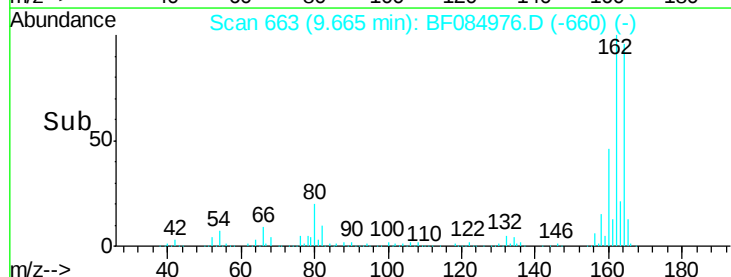


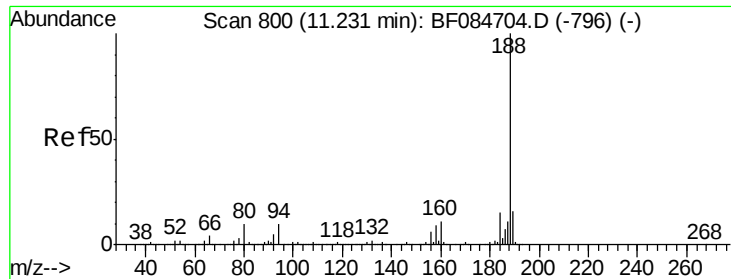
Abundance Ion 165.00 (164.70 to 165.70): E

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

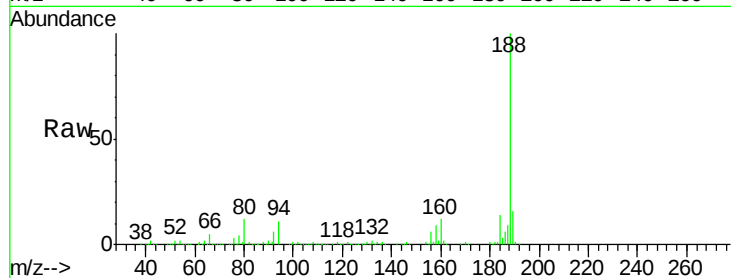




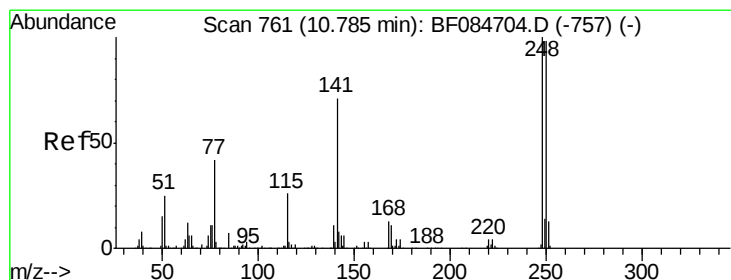
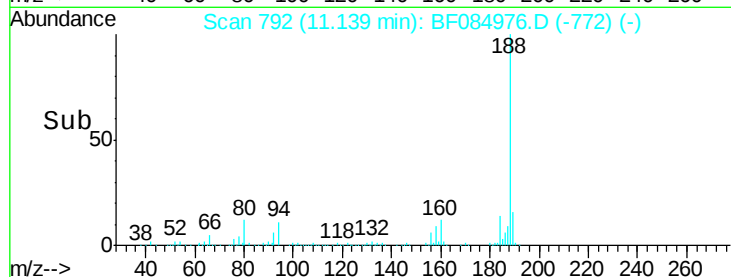
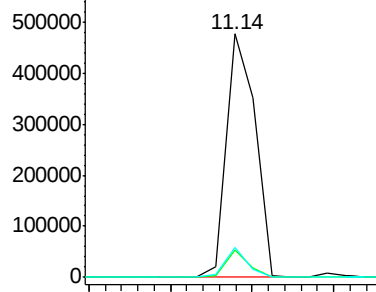
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 792
 Delta R.T. -0.07 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Instrument :
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 S4-B009(27-29)

Tgt Ion:188 Resp: 586783
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.0 13.4
 80 12.5 9.6 14.4

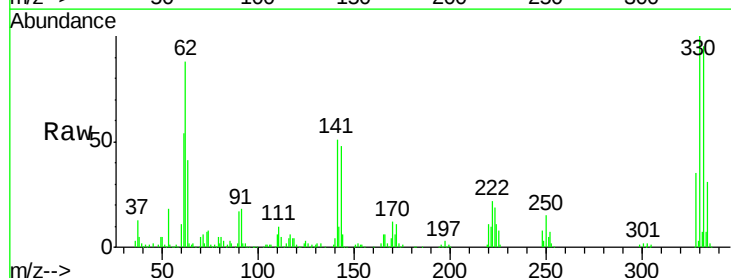


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

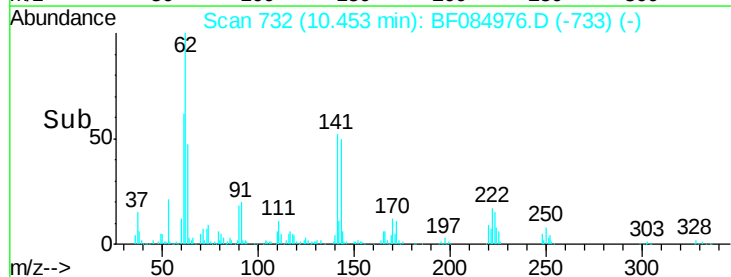
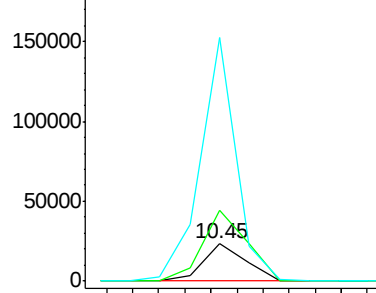


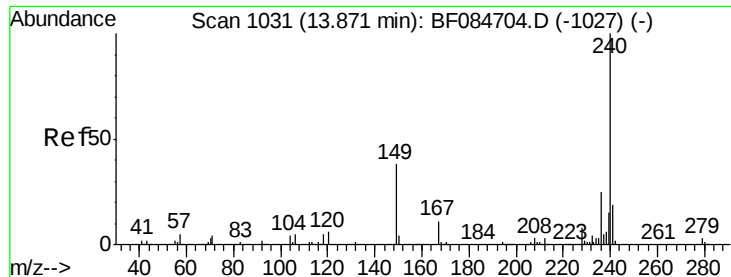
#66
 4-Bromophenyl-phenylether
 Concen: 4.07 ng
 RT: 10.45 min Scan# 732
 Delta R.T. -0.31 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Tgt Ion:248 Resp: 26409
 Ion Ratio Lower Upper
 248 100
 250 187.8 78.4 117.6#
 141 650.4 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: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

Instrument :

BNA_F

ClientSampleId :

S4-B009(27-29)

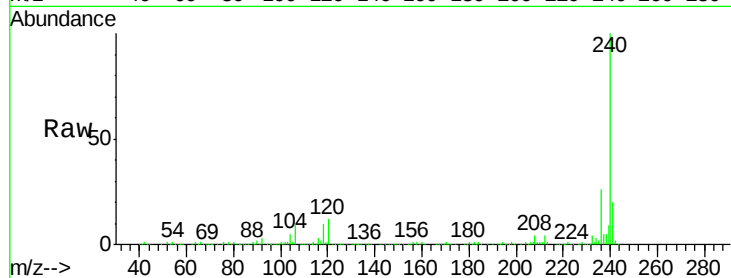
Tgt Ion:240 Resp: 392818

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

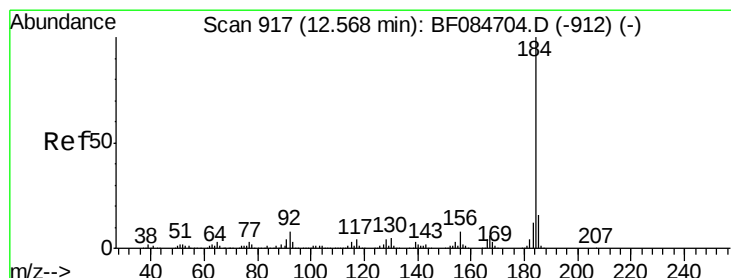
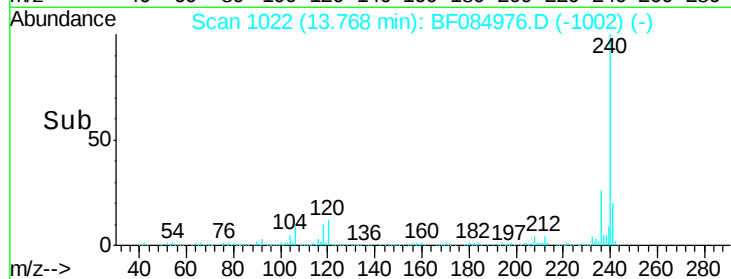
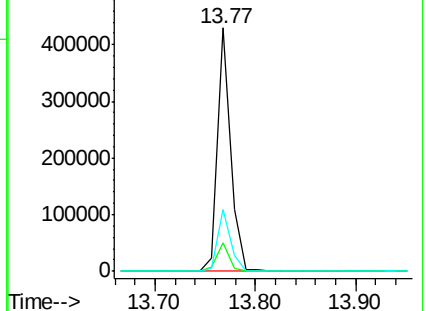
236 25.6 20.6 31.0



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



#76

Benzidine

Concen: 7.87 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084976.D

Acq: 10 Feb 2016 2:27

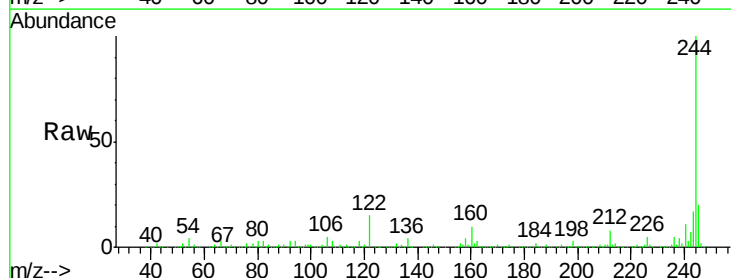
Tgt Ion:184 Resp: 20487

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

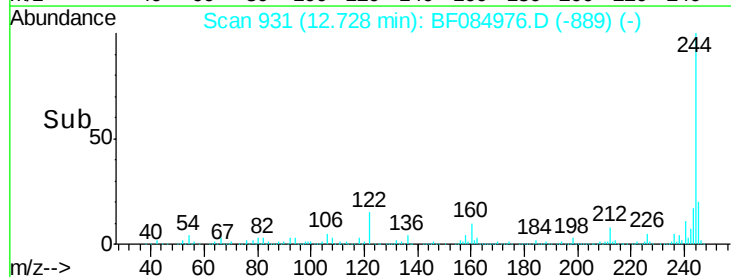
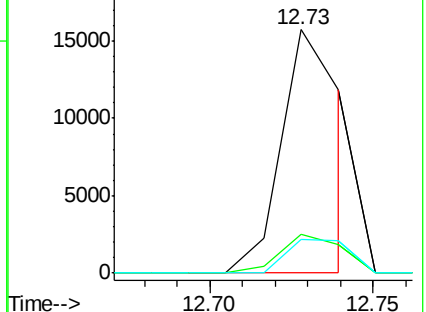
183 13.9 9.8 14.8

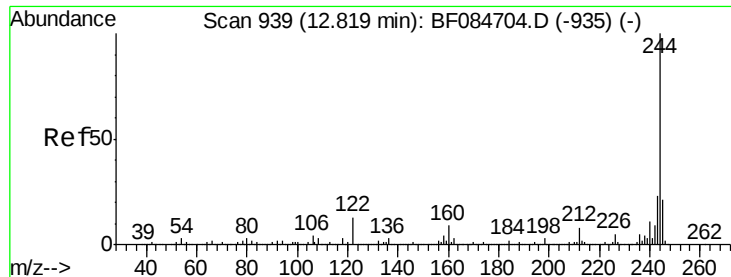


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

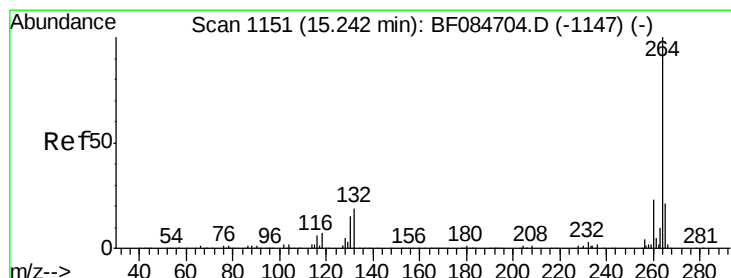
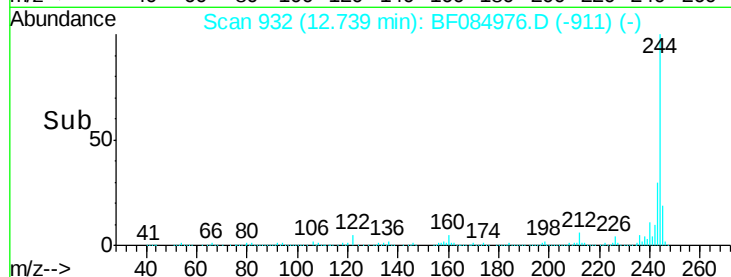
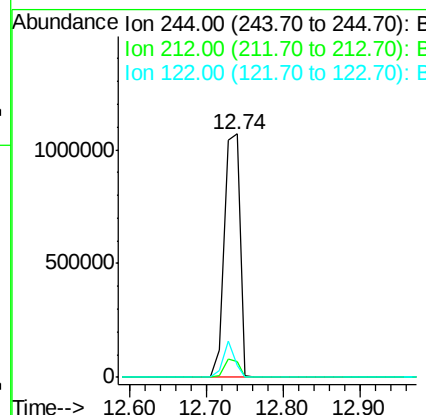
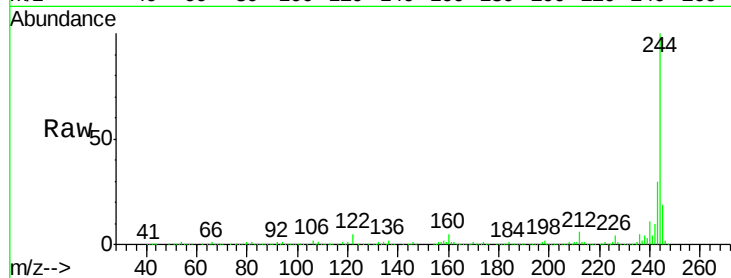




#78
 Terphenyl-d14
 Concen: 89.00 ng
 RT: 12.74 min Scan# 932
 Delta R.T. -0.06 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(27-29)

Tgt Ion:244 Resp: 1542759
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.7 8.5
 122 5.1 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1141
 Delta R.T. -0.08 min
 Lab File: BF084976.D
 Acq: 10 Feb 2016 2:27

Tgt Ion:264 Resp: 326760
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 21.9 17.8 26.6

