

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084374.D
 Acq On : 11 Jan 2016 12:38
 Operator : SJ/UM
 Sample : H1043-08RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

Quant Time: Jan 12 01:37:30 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

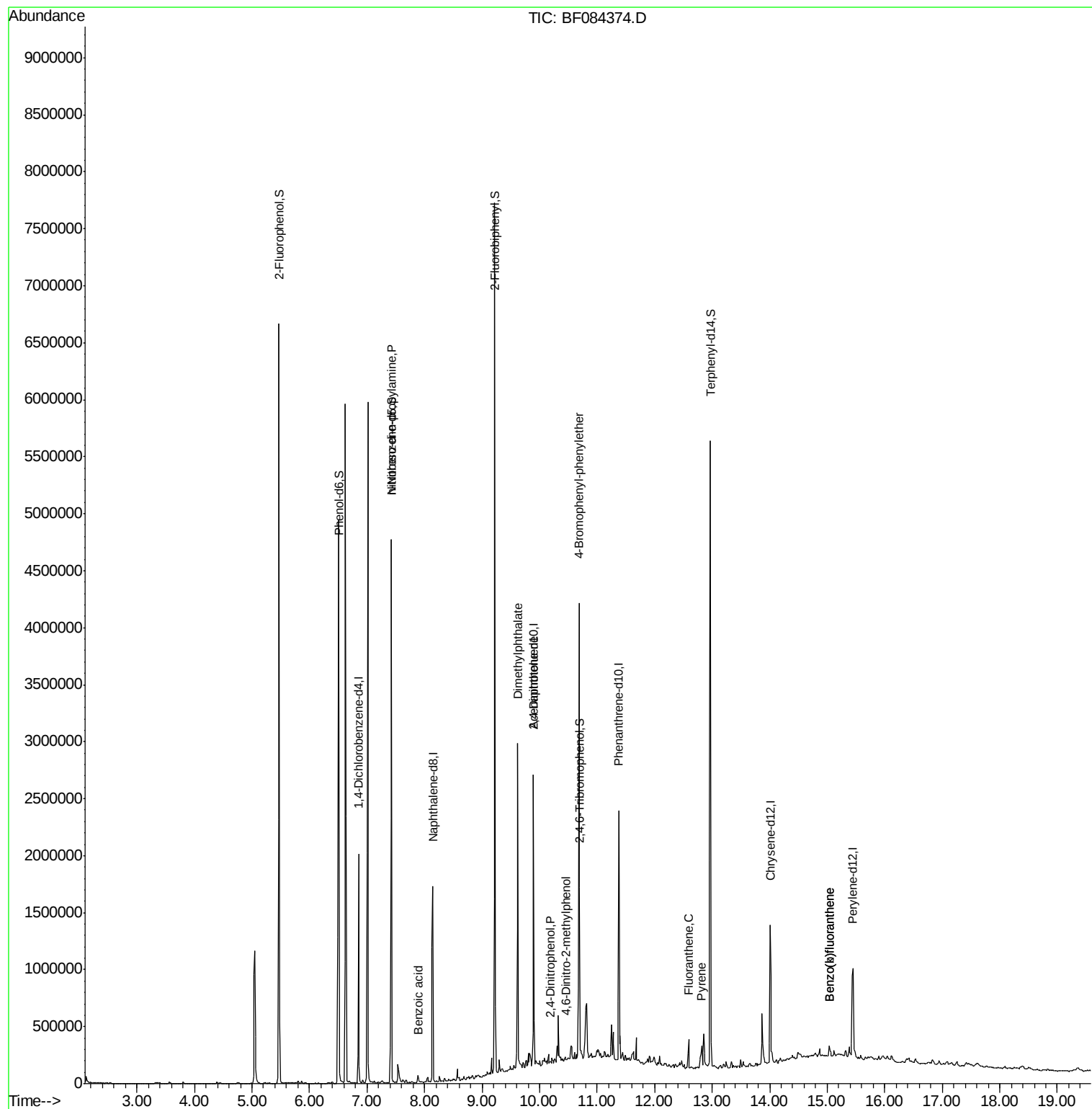
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	253665	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1001864	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	458362	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	770586	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	491064	20.00	ng	-0.06
86) Perylene-d12	15.45	264	450176	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1720547	109.71	ng	-0.02
7) Phenol-d6	6.51	99	2491448	126.49	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1679591	93.30	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	540802	116.87	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2086864	79.70	ng	-0.04
78) Terphenyl-d14	12.97	244	1641180	74.60	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	241511	18.11	ng	# 71
32) Benzoic acid	7.89	122	518	6.29	ng	# 80
49) Dimethylphthalate	9.62	163	1209410	36.91	ng	# 91
53) 2,4-Dinitrophenol	10.18	184	324	3.66	ng	# 68
54) Dibenzofuran	10.10	168	4728	Below Cal	#	68
56) 2,4-Dinitrotoluene	9.89	165	60632	6.67	ng	# 22
57) Fluorene	10.44	166	7776	Below Cal	#	83
60) 4-Chlorophenyl-phenylether	10.40	204	222	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.46	198	235	6.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	31355	3.78	ng	# 1
73) Di-n-butylphthalate	11.94	149	6101	Below Cal	#	83
74) Fluoranthene	12.59	202	121038	2.87	ng	93
77) Pyrene	12.82	202	105896	2.75	ng	98
87) Benzo(b)fluoranthene	15.04	252	77017	2.62	ng	# 94
88) Benzo(k)fluoranthene	15.04	252	77017	3.20	ng	# 95

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

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Quant Time: Jan 12 01:37:30 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

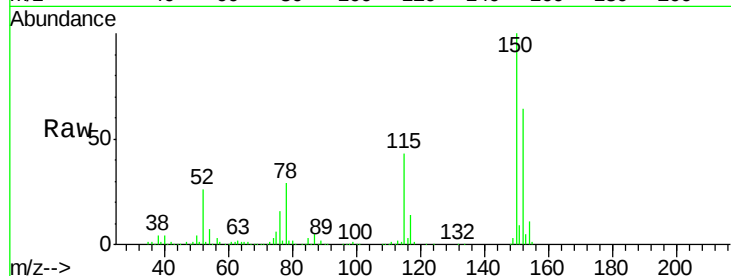
Tgt Ion:152 Resp: 253665

Ion Ratio Lower Upper

152 100

150 156.4 123.0 184.4

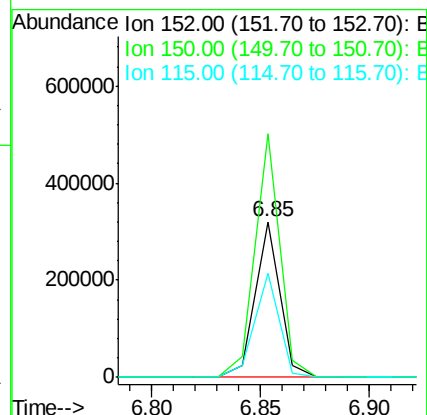
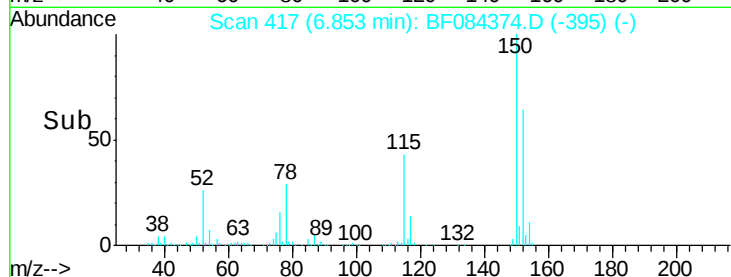
115 67.3 51.4 77.2



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: 109.71 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

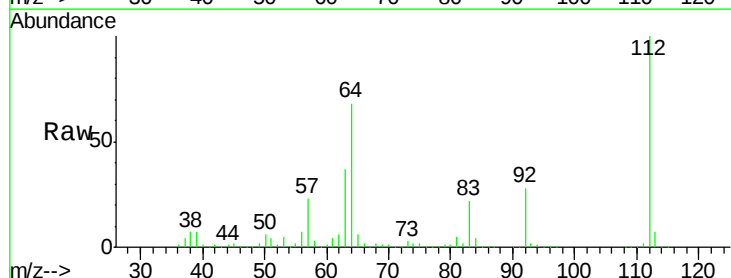
Tgt Ion:112 Resp: 1720547

Ion Ratio Lower Upper

112 100

64 67.6 36.6 55.0#

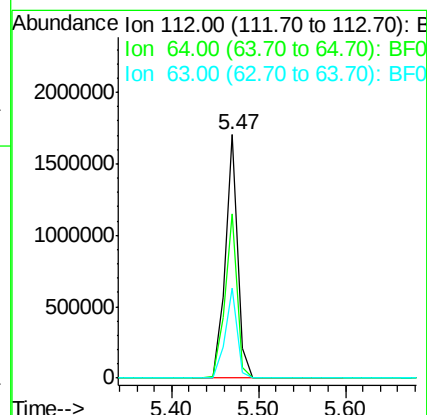
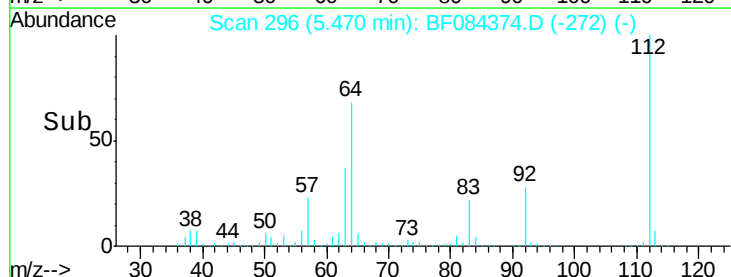
63 36.8 19.4 29.0#

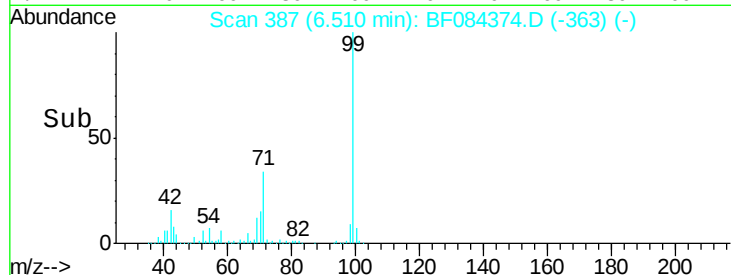
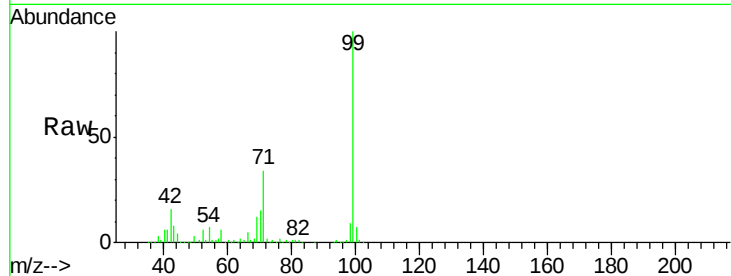


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.49 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

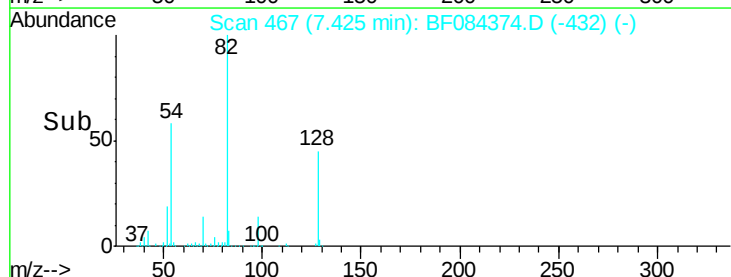
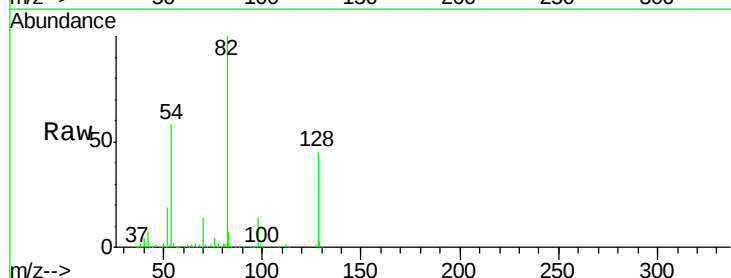
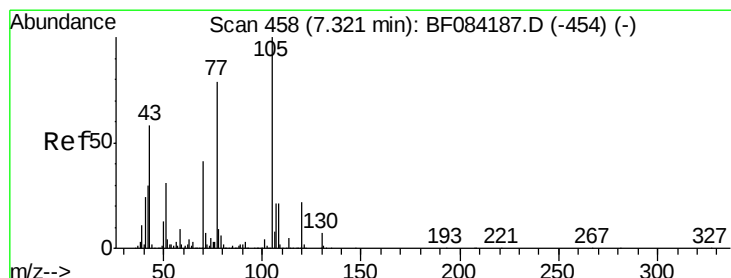
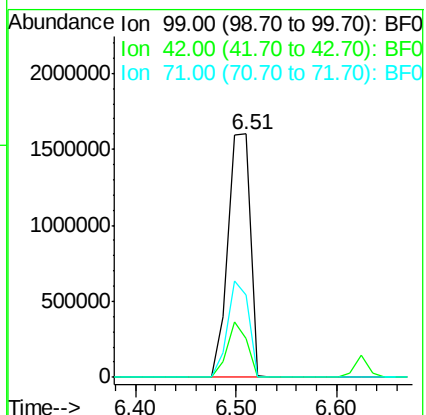
Tgt Ion: 99 Resp: 2491448

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

71 33.9 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.11 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Tgt Ion: 70 Resp: 241511

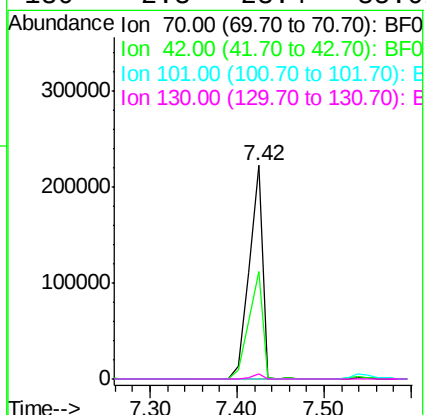
Ion Ratio Lower Upper

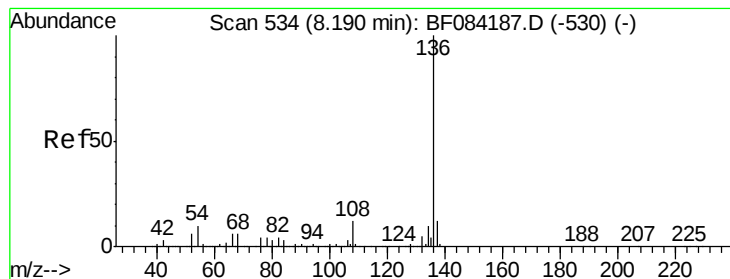
70 100

42 50.4 33.3 49.9#

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

Tgt Ion:136 Resp: 1001864

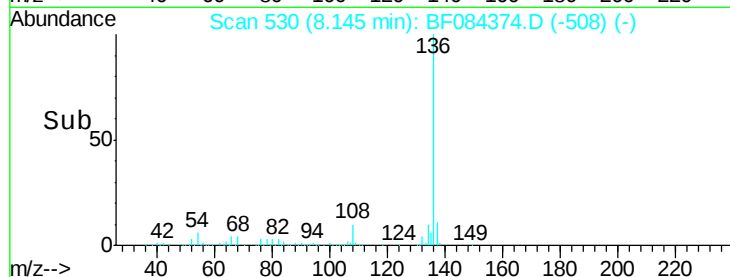
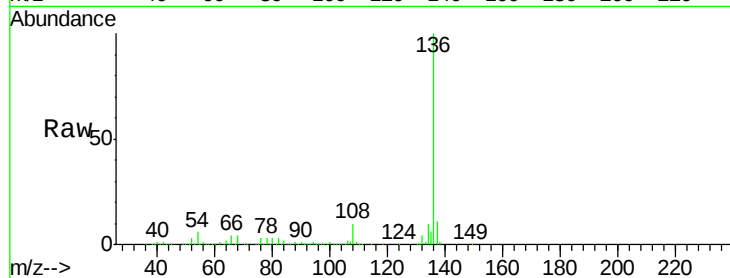
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.4 5.8 8.8

68 3.8 4.2 6.2#

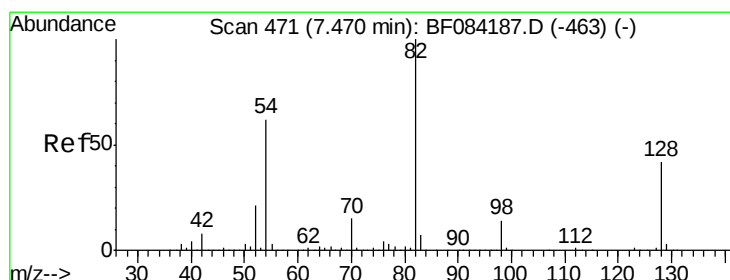
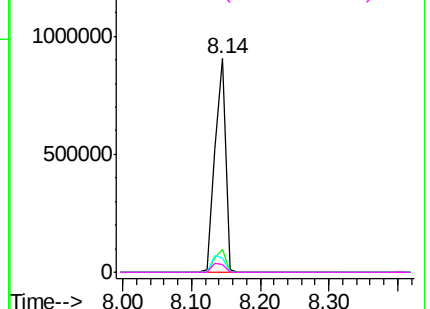


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.30 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

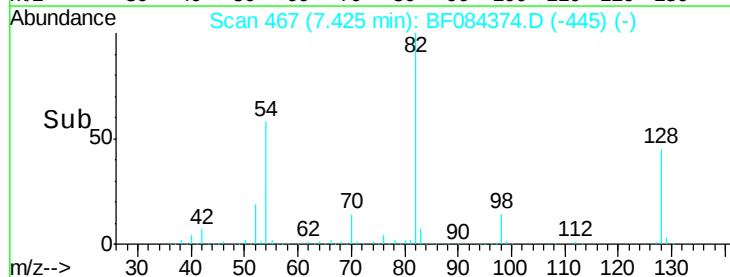
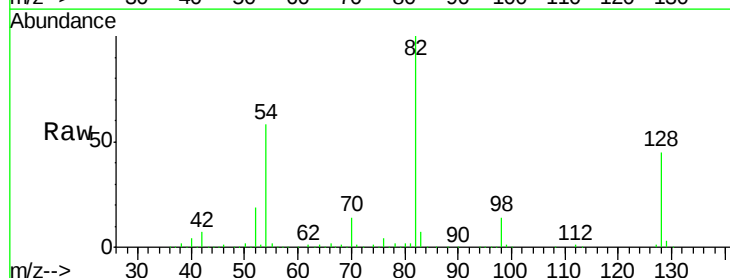
Tgt Ion: 82 Resp: 1679591

Ion Ratio Lower Upper

82 100

128 44.6 34.6 51.8

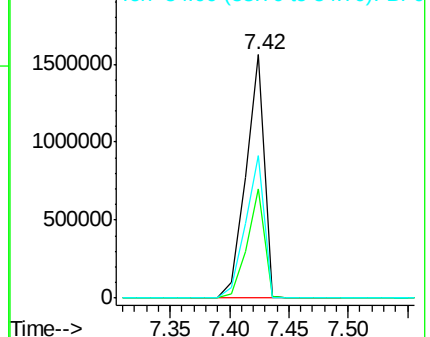
54 58.5 38.4 57.6#



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

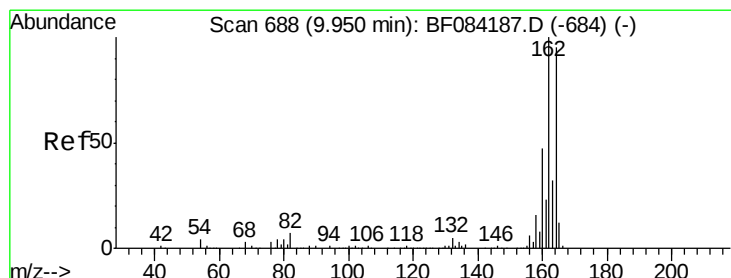
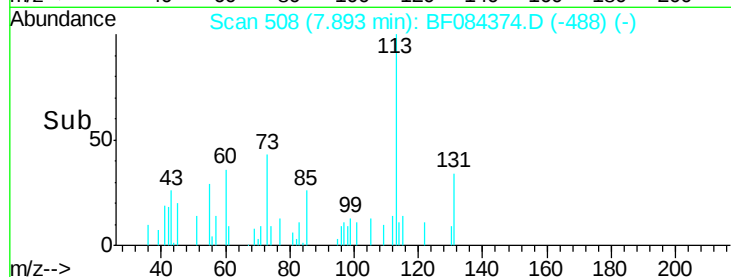
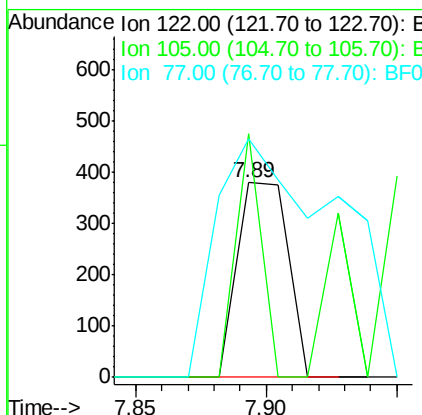
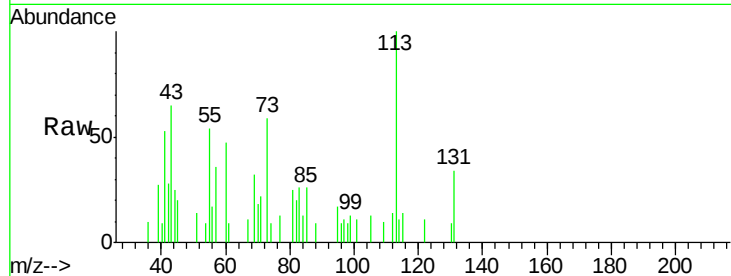




#32
Benzoic acid
Concen: 6.29 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.07 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

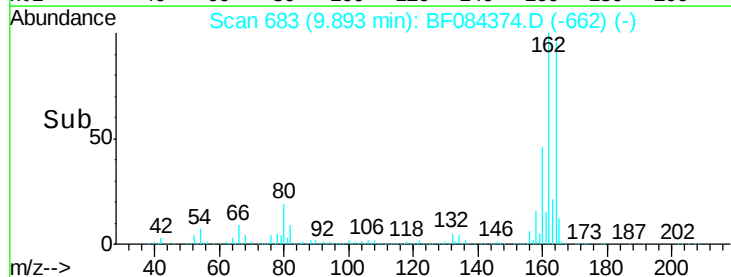
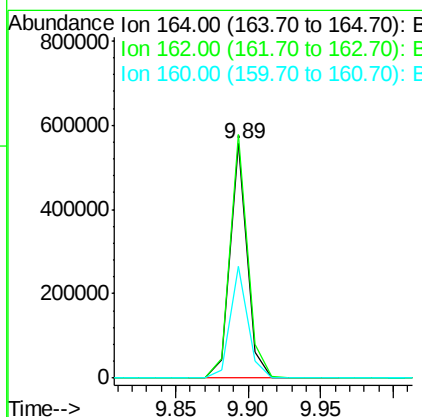
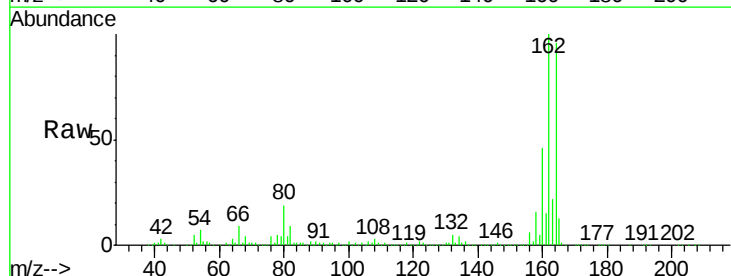
Instrument :
BNA_F
ClientSampleId :
SB-4N(0-10)

Tgt Ion:122 Resp: 518
Ion Ratio Lower Upper
122 100
105 125.3 100.3 140.3
77 122.4 63.5 103.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

Tgt Ion:164 Resp: 458362
Ion Ratio Lower Upper
164 100
162 104.0 85.1 127.7
160 47.8 37.5 56.3

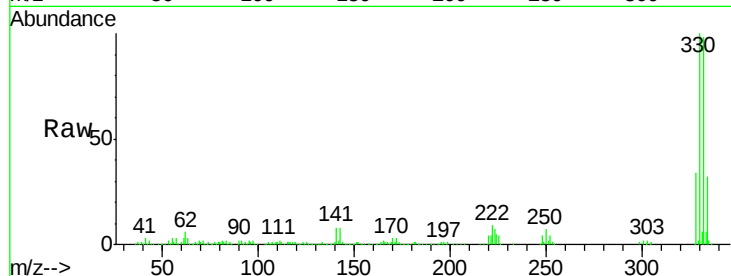




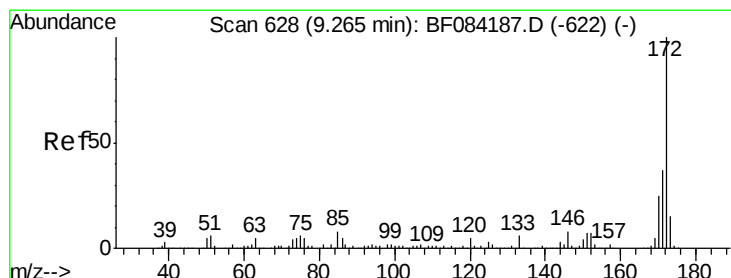
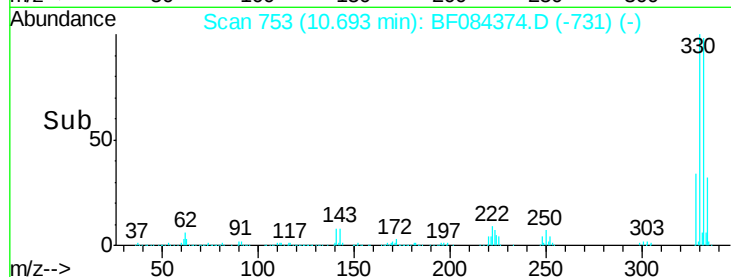
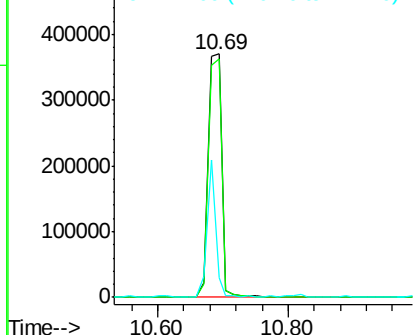
#41
 2,4,6-Tribromophenol
 Concen: 116.87 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

Tgt Ion:330 Resp: 540802
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 35.0 27.8 41.6

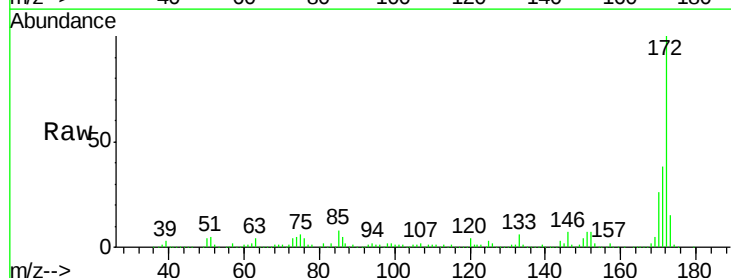


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

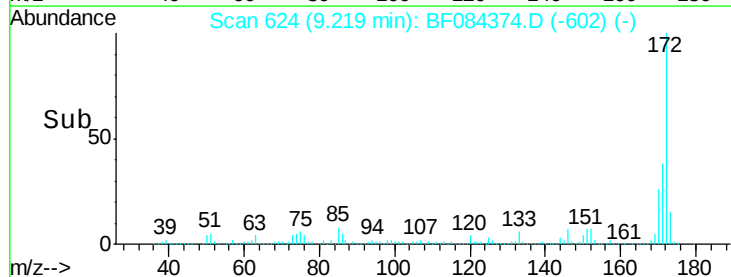
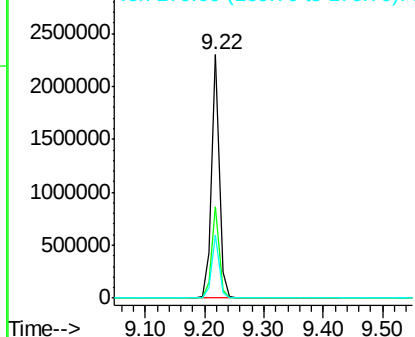


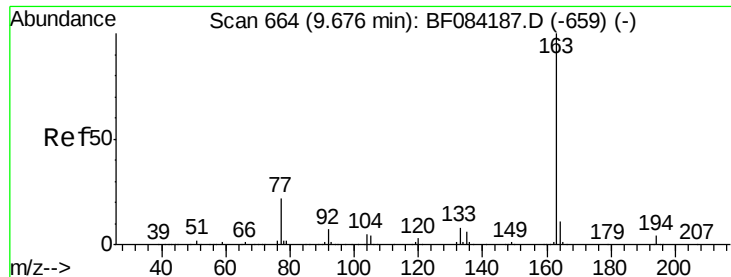
#44
 2-Fluorobiphenyl
 Concen: 79.70 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

Tgt Ion:172 Resp: 2086864
 Ion Ratio Lower Upper
 172 100
 171 37.7 28.9 43.3
 170 26.0 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: 36.91 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

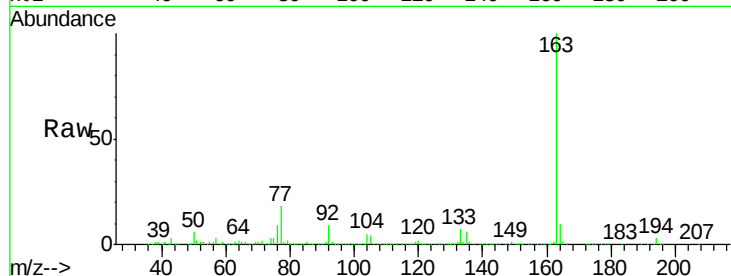
Tgt Ion:163 Resp: 1209410

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

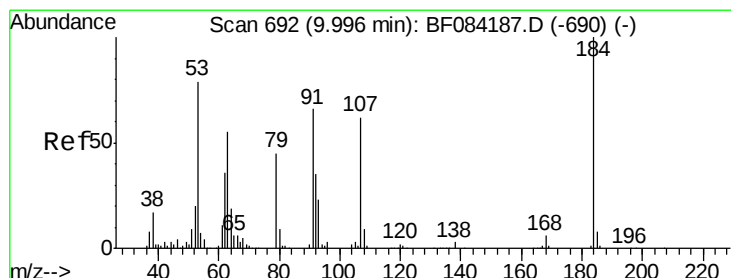
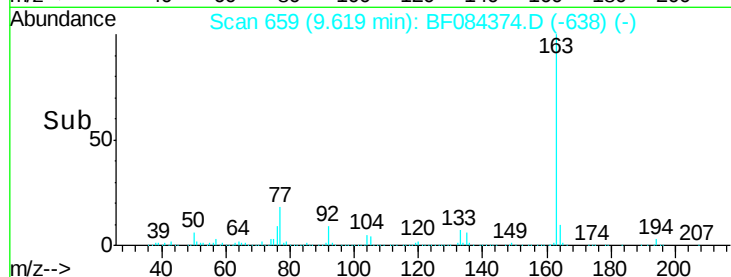
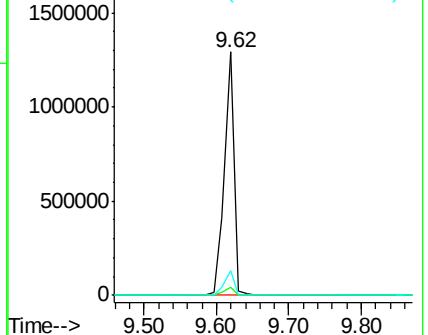
164 9.9 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 3.66 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.18 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

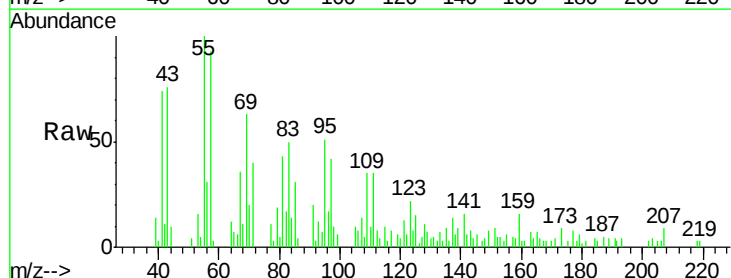
Tgt Ion:184 Resp: 324

Ion Ratio Lower Upper

184 100

63 0.0 43.1 64.7#

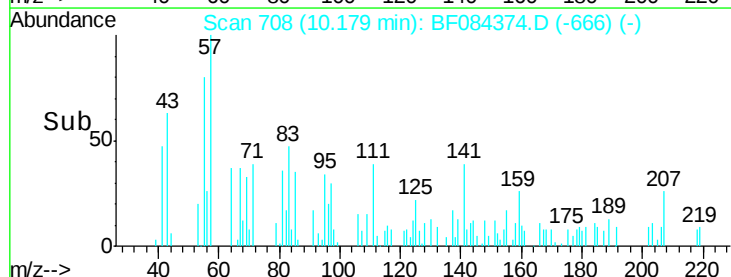
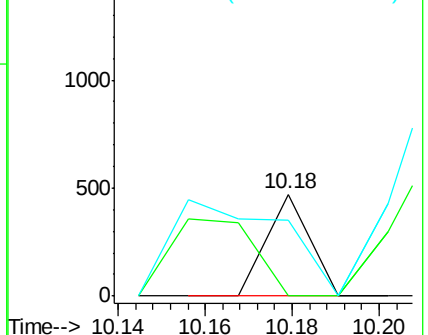
154 73.9 60.5 90.7

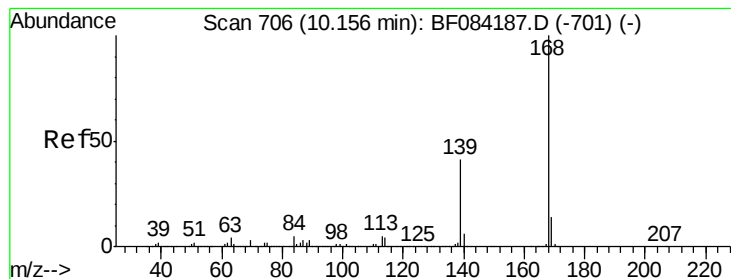


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

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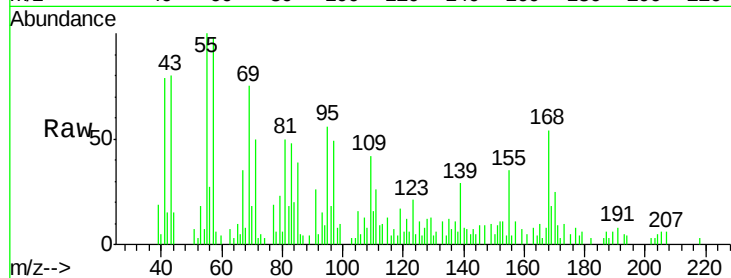
Tgt Ion:168 Resp: 4728

Ion Ratio Lower Upper

168 100

139 53.4 30.5 45.7#

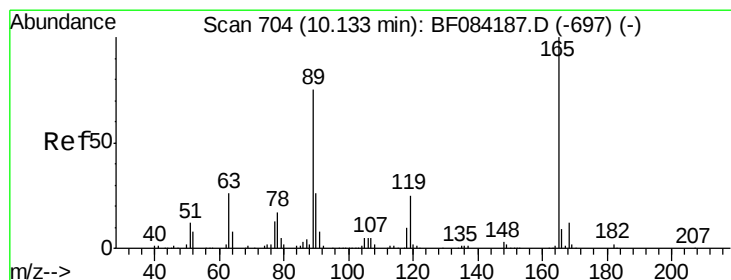
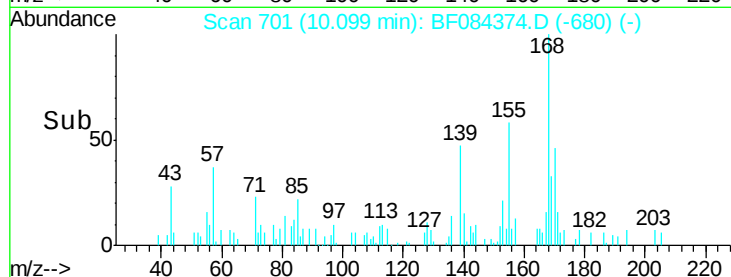
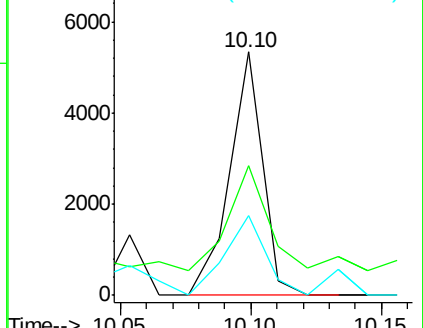
169 32.9 10.4 15.6#



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: 6.67 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Tgt Ion:165 Resp: 60632

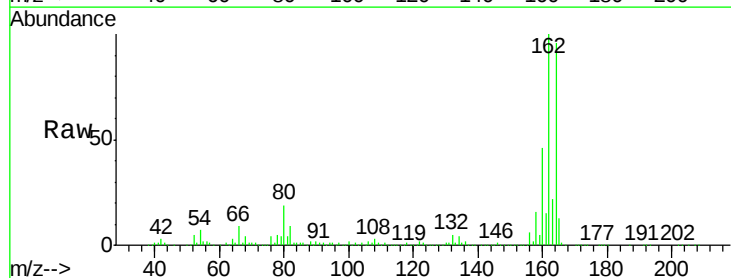
Ion Ratio Lower Upper

165 100

63 2.0 36.7 55.1#

89 1.9 61.9 92.9#

182 0.0 2.0 3.0#

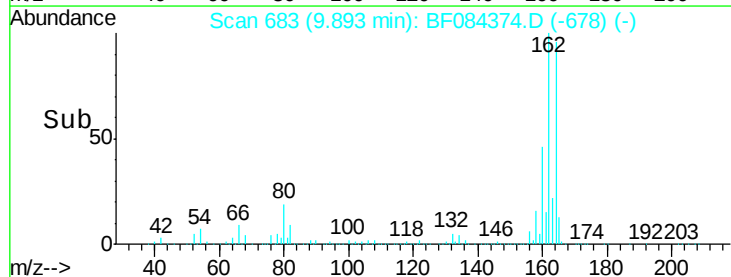
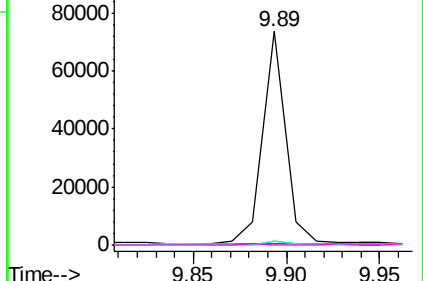


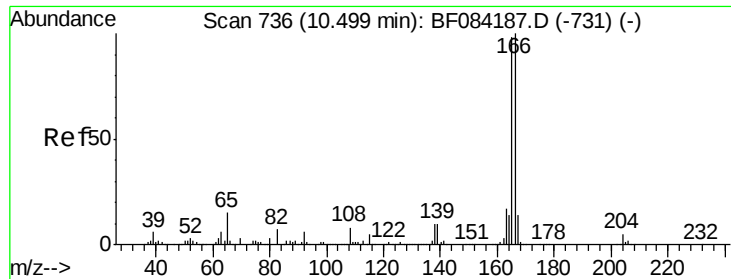
Abundance Ion 165.00 (164.70 to 165.70): E

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

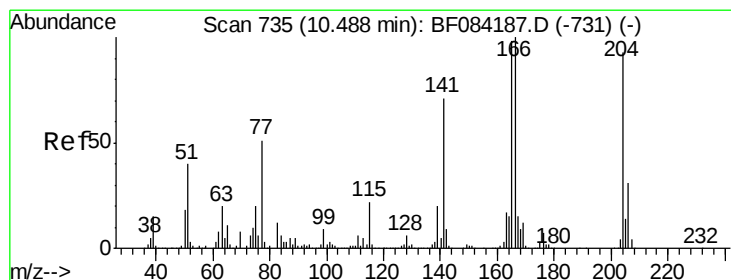
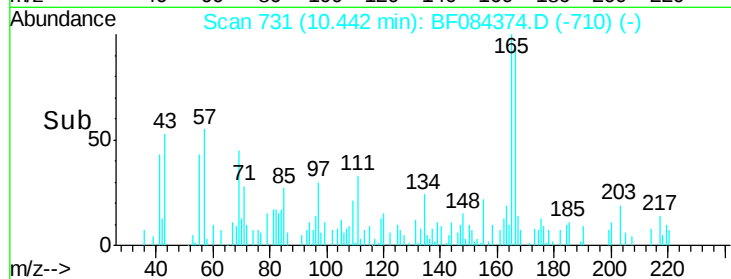
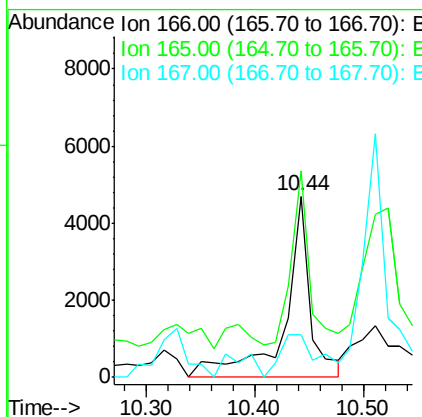
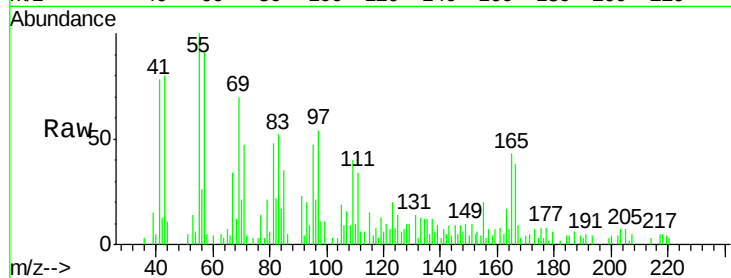




#57
 Fluorene
 Concen: Below Cal
 RT: 10.44 min Scan# 731
 Delta R.T. -0.06 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

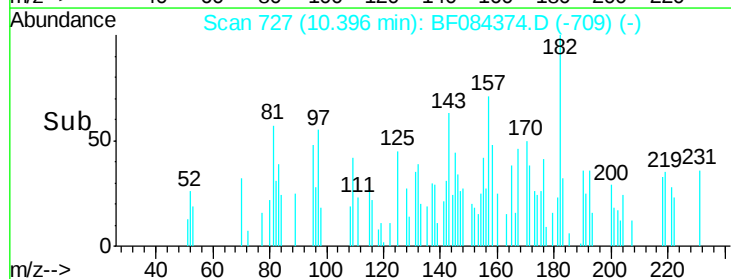
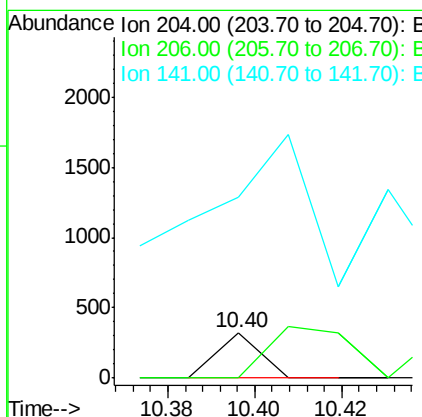
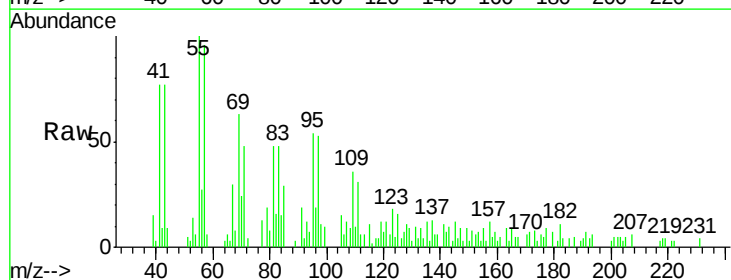
Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

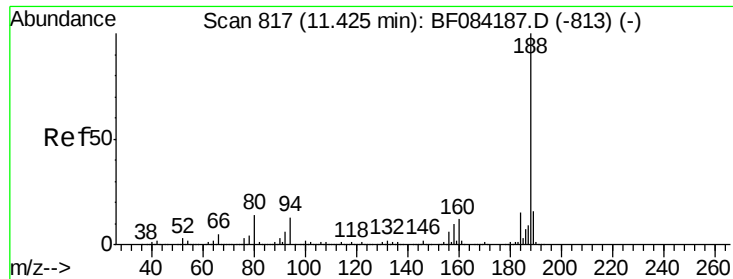
Tgt Ion:166 Resp: 7776
 Ion Ratio Lower Upper
 166 100
 165 114.0 79.1 118.7
 167 23.8 10.4 15.6#



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.40 min Scan# 727
 Delta R.T. -0.09 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

Tgt Ion:204 Resp: 222
 Ion Ratio Lower Upper
 204 100
 206 0.0 25.7 38.5#
 141 398.5 55.1 82.7#

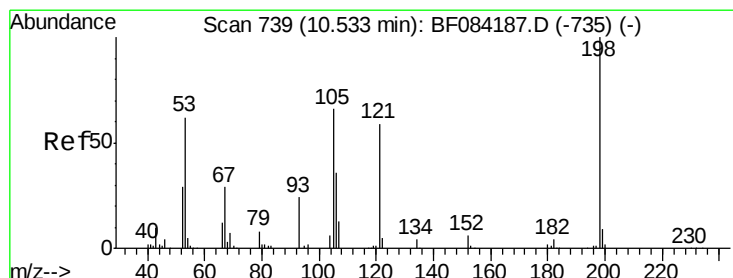
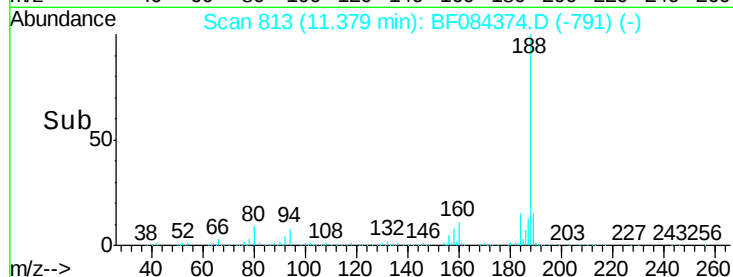
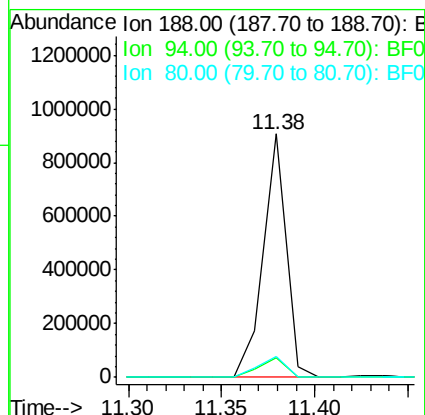
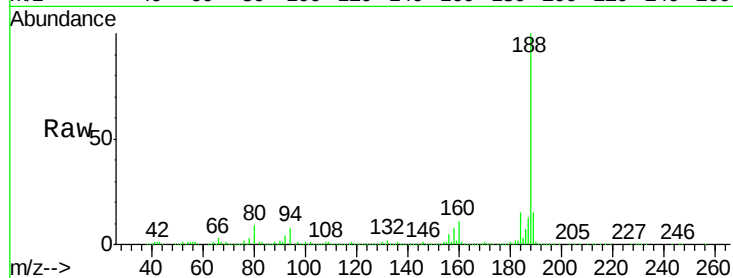




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

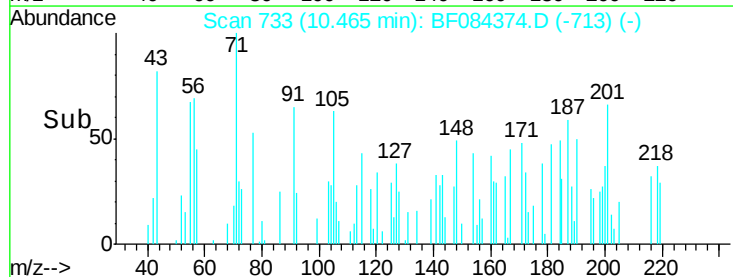
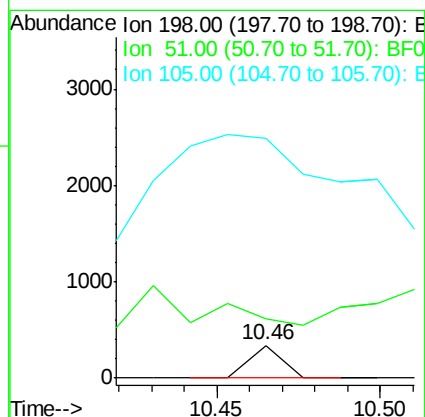
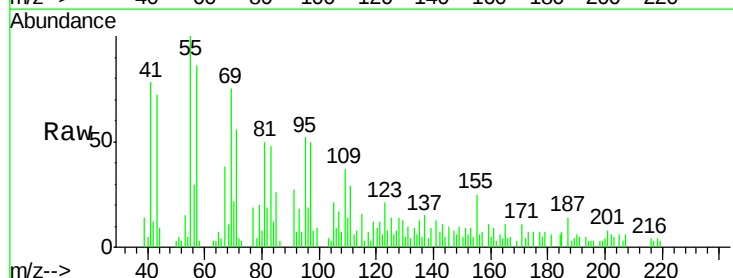
Instrument :
BNA_F
ClientSampleId :
SB-4N(0-10)

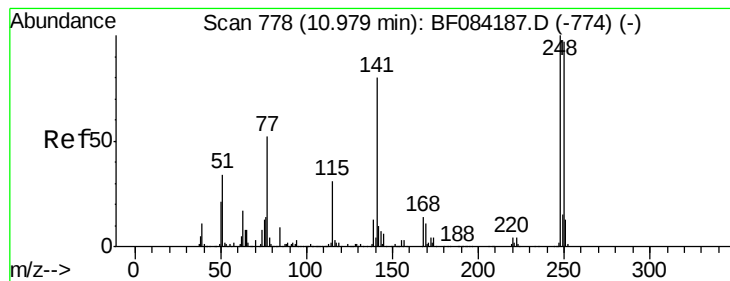
Tgt Ion:188 Resp: 770586
Ion Ratio Lower Upper
188 100
94 8.0 9.0 13.4#
80 8.7 9.6 14.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.46 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.07 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

Tgt Ion:198 Resp: 235
Ion Ratio Lower Upper
198 100
51 178.9 18.9 58.9#
105 728.1 26.4 66.4#





#66

4-Bromophenyl-phenylether

Concen: 3.78 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

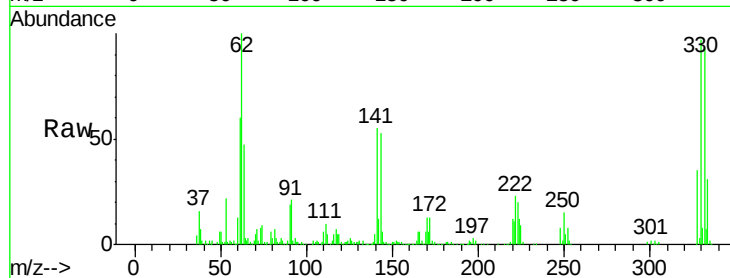
Tgt Ion:248 Resp: 31355

Ion Ratio Lower Upper

248 100

250 195.7 78.4 117.6#

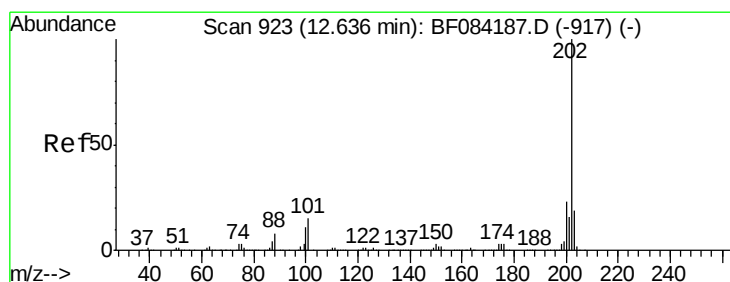
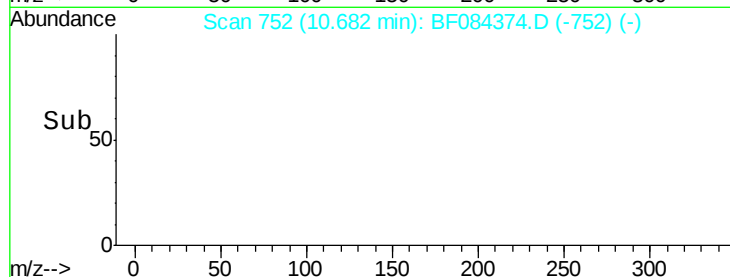
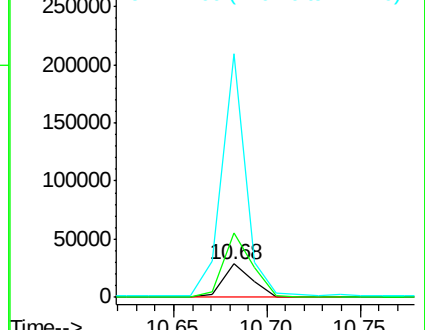
141 732.2 44.0 66.0#



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



#74

Fluoranthene

Concen: 2.87 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

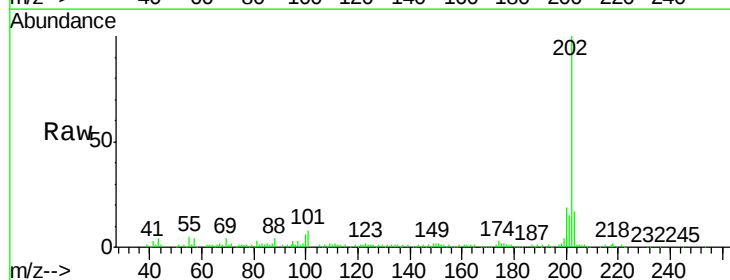
Tgt Ion:202 Resp: 121038

Ion Ratio Lower Upper

202 100

101 7.8 0.0 32.8

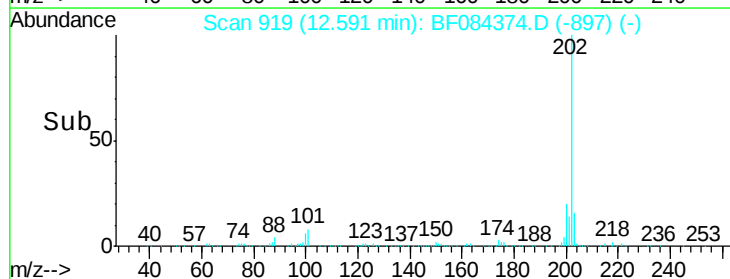
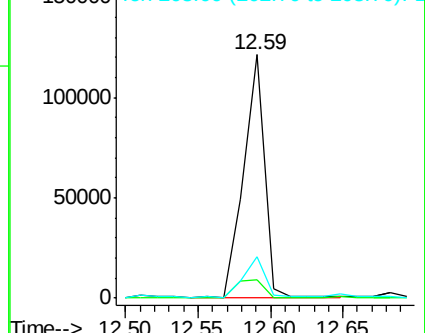
203 17.0 0.0 37.9

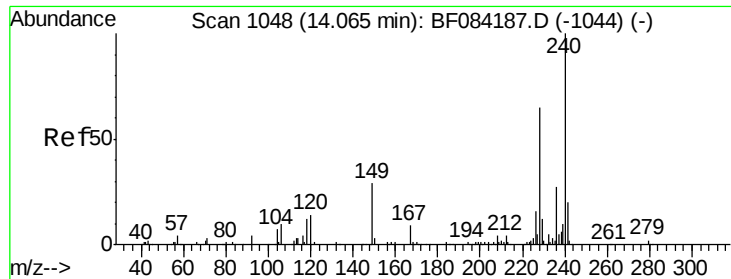


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

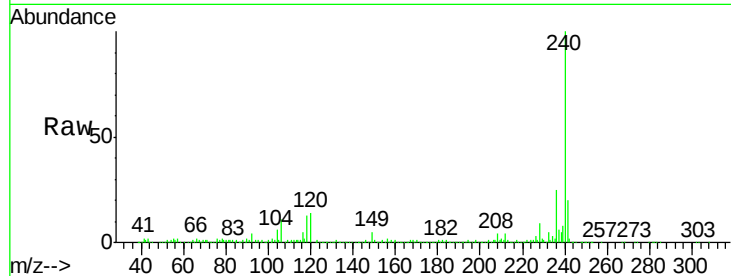
Tgt Ion:240 Resp: 491064

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

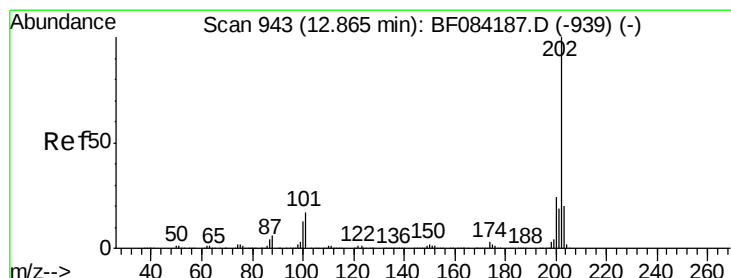
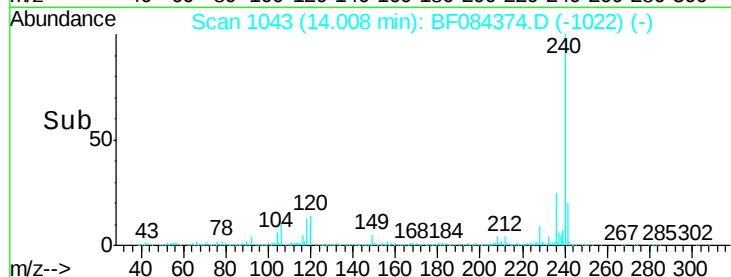
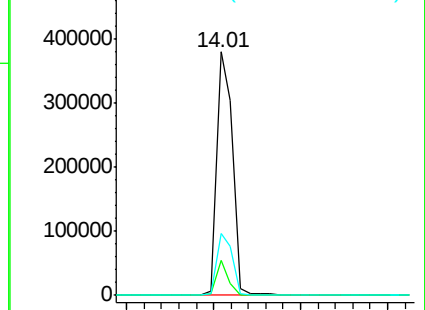
236 25.3 20.6 31.0



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



#77

Pyrene

Concen: 2.75 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084374.D

Acq: 11 Jan 2016 12:38

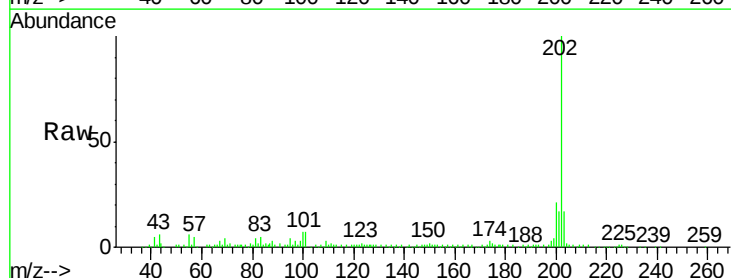
Tgt Ion:202 Resp: 105896

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

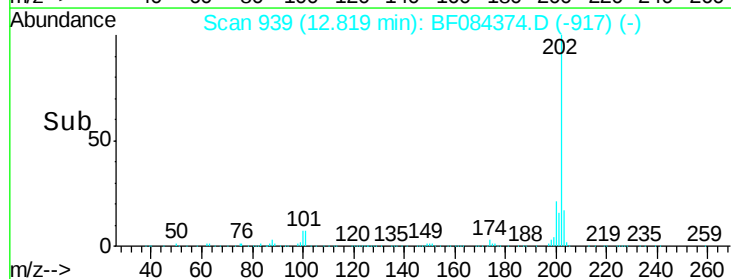
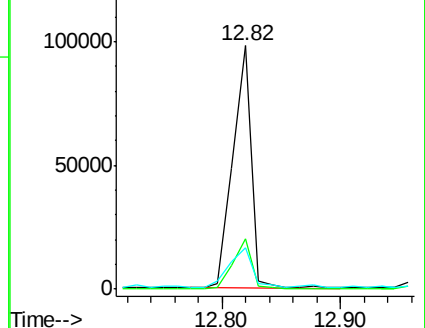
203 17.2 14.3 21.5

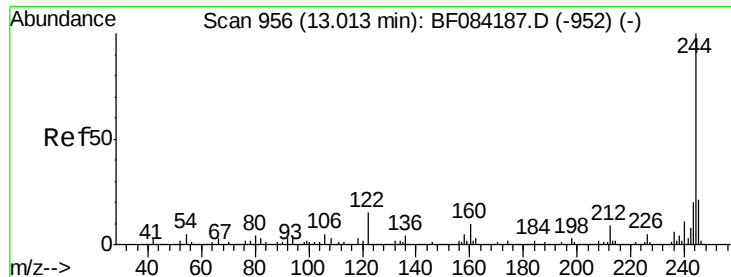


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

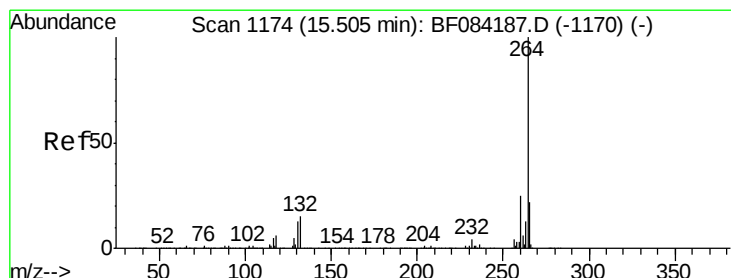
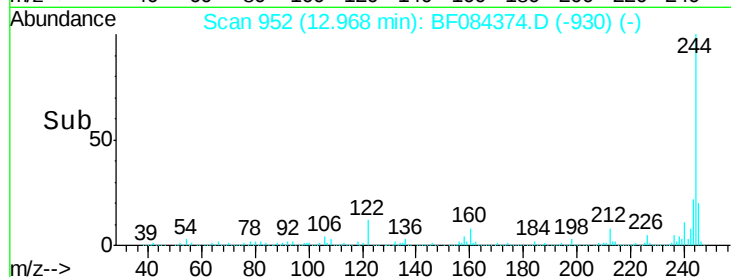
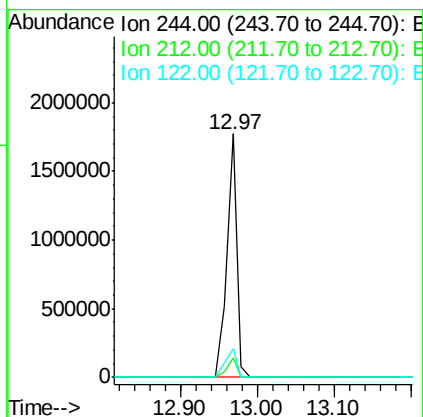
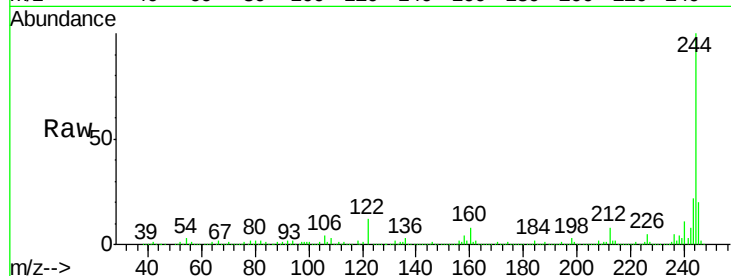




#78
 Terphenyl-d14
 Concen: 74.60 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

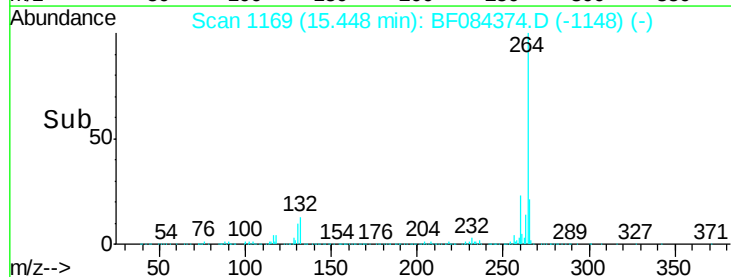
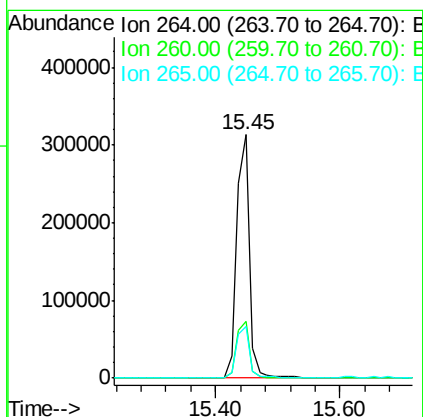
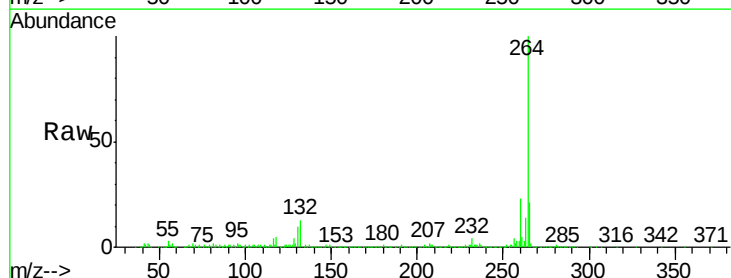
Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

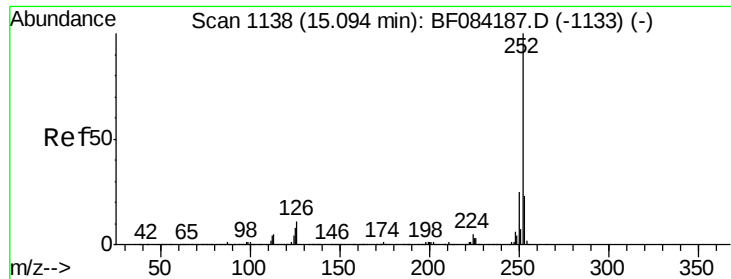
Tgt Ion:244 Resp: 1641180
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 11.7 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF084374.D
 Acq: 11 Jan 2016 12:38

Tgt Ion:264 Resp: 450176
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.4 17.8 26.6

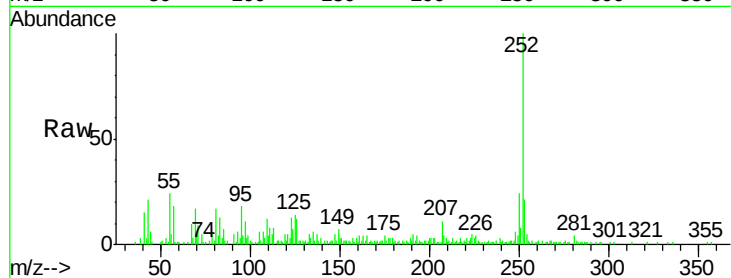




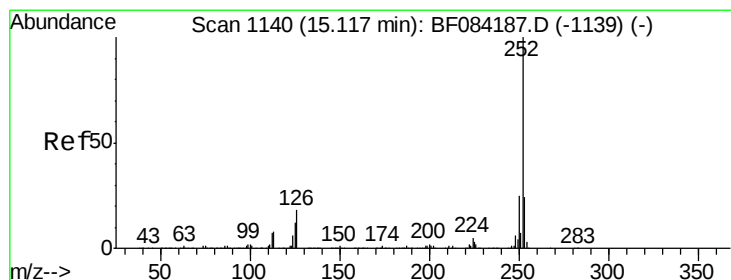
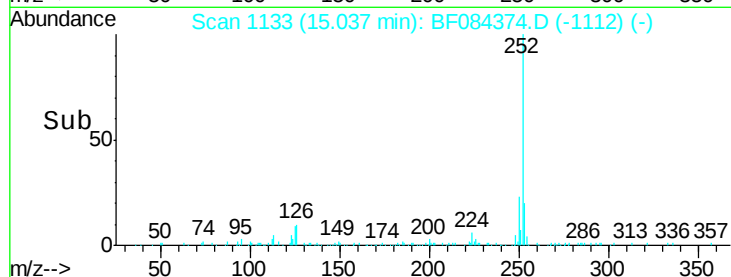
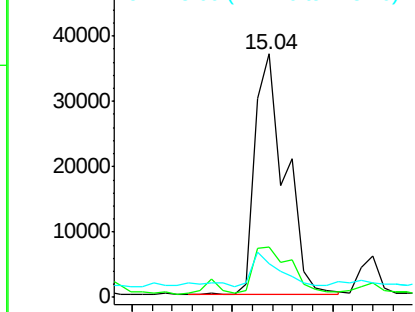
#87
Benzo(b)fluoranthene
Concen: 2.62 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

Instrument :
BNA_F
ClientSampleId :
SB-4N(0-10)

Tgt Ion:252 Resp: 77017
Ion Ratio Lower Upper
252 100
253 20.9 17.3 25.9
125 14.0 6.5 9.7#

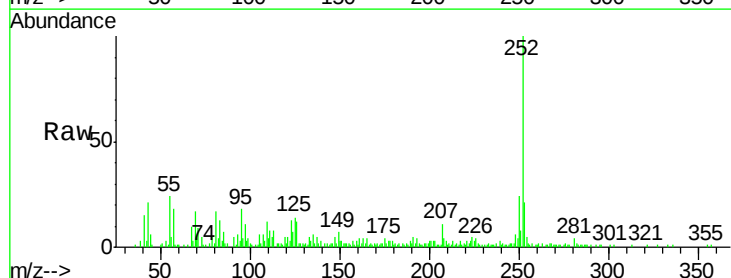


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.20 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.08 min
Lab File: BF084374.D
Acq: 11 Jan 2016 12:38

Tgt Ion:252 Resp: 77017
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 14.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

