

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084376.D
 Acq On : 11 Jan 2016 13:34
 Operator : SJ/UM
 Sample : H1043-10RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5N(0-10)

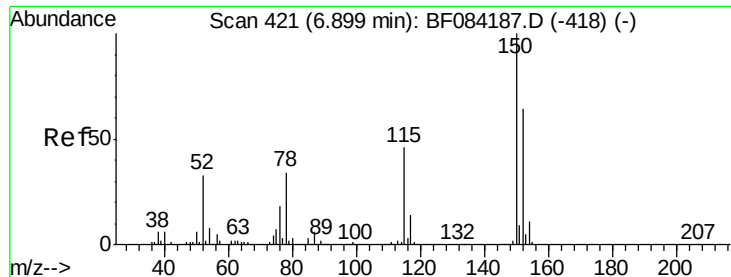
Quant Time: Jan 12 01:38:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	239151	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	919473	20.00	ng	-0.05
38) Acenaphthene-d10	9.90	164	379331	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	602089	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	462398	20.00	ng	-0.05
86) Perylene-d12	15.45	264	418876	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1659255	112.22	ng	-0.02
7) Phenol-d6	6.51	99	2320164	124.95	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1510860	91.45	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	417157	108.93	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1816735	84.19	ng	-0.05
78) Terphenyl-d14	12.97	244	1372586	66.26	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.93	122	7669	6.92	ng	# 18
35) Caprolactam	8.58	113	120554	27.81	ng	# 20
47) 2-Nitroaniline	9.61	65	26360	3.37	ng	# 88
49) Dimethylphthalate	9.62	163	606905	22.38	ng	# 92
51) Acenaphthene	9.93	154	55153	2.35	ng	# 88
53) 2,4-Dinitrophenol	9.94	184	1081	3.96	ng	# 1
54) Dibenzofuran	10.10	168	80804	Below Cal		# 71
57) Fluorene	10.44	166	109986	2.43	ng	# 71
60) 4-Chlorophenyl-phenylether	10.46	204	2772	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.54	198	3594	7.13	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	262790	13.65	ng	# 47
68) Atrazine	11.10	200	17002	2.70	ng	# 37
73) Di-n-butylphthalate	11.95	149	37713	Below Cal		# 76
74) Fluoranthene	12.60	202	72334	2.20	ng	# 96
87) Benzo(b)fluoranthene	15.04	252	59954	2.19	ng	# 88
88) Benzo(k)fluoranthene	15.04	252	59954	2.68	ng	# 92

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

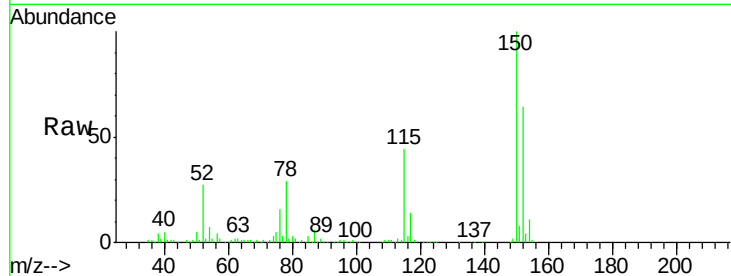


#1

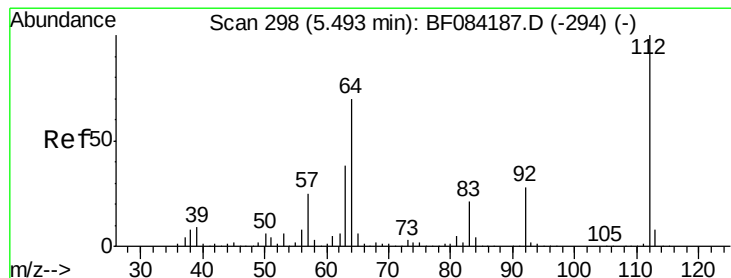
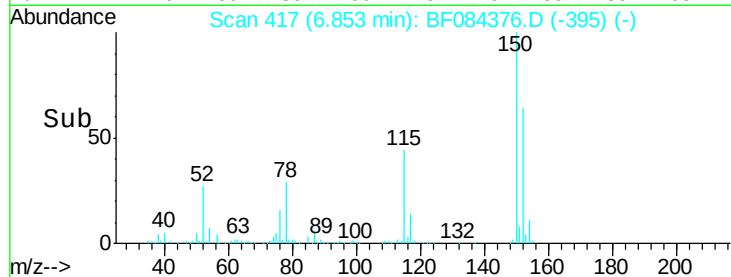
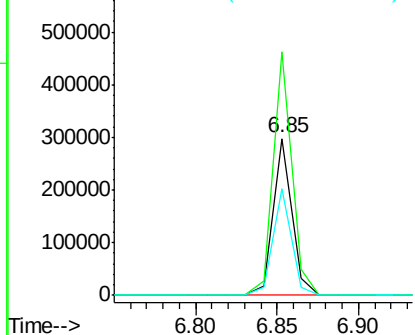
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084376.D
Acq: 11 Jan 2016 13:34

Instrument :
BNA_F
ClientSampleId :
SB-5N(0-10)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.4
115	67.7	51.4	77.2



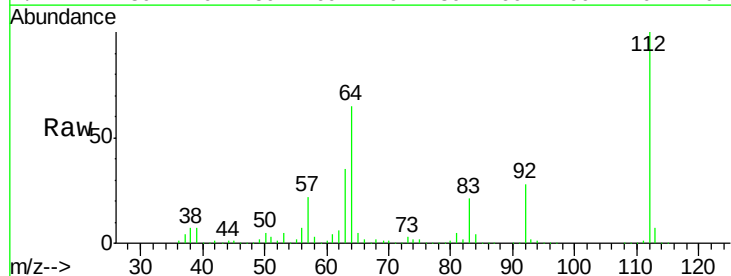
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



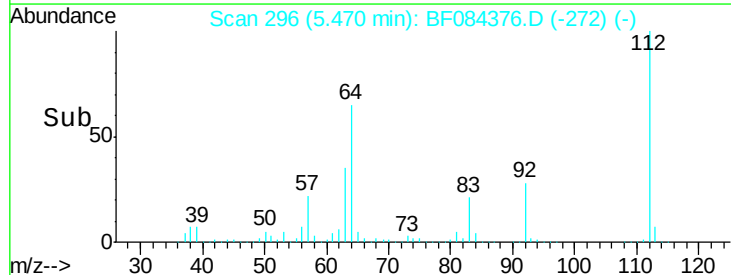
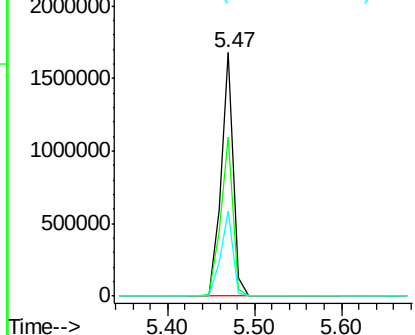
#5

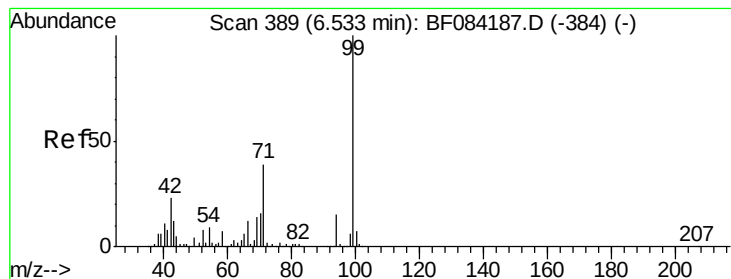
2-Fluorophenol
Concen: 112.22 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084376.D
Acq: 11 Jan 2016 13:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	36.6	55.0#
63	34.9	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: 124.95 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

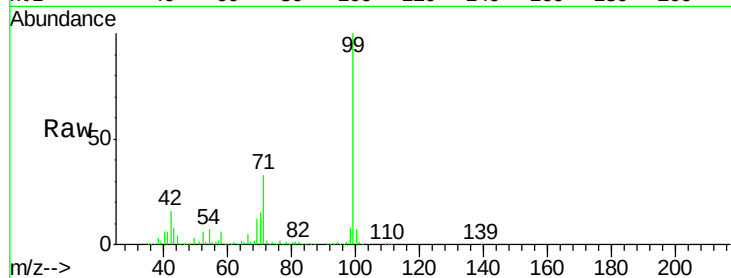
Tgt Ion: 99 Resp: 2320164

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

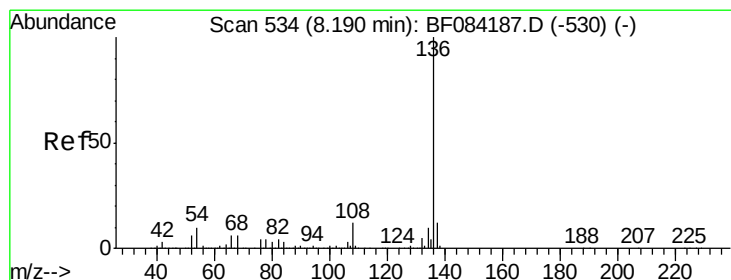
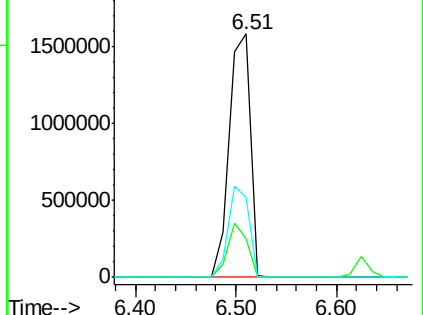
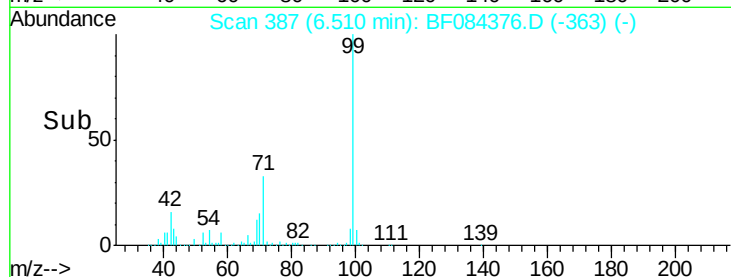
71 33.0 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Tgt Ion: 136 Resp: 919473

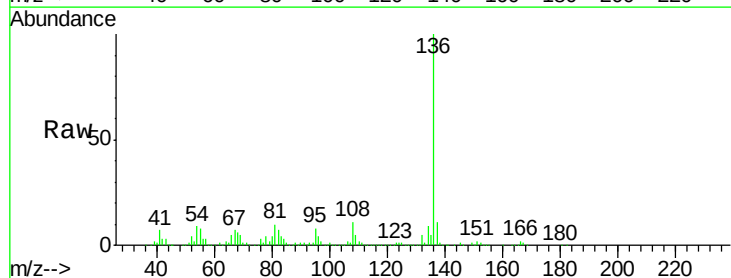
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.0 5.8 8.8#

68 5.8 4.2 6.2

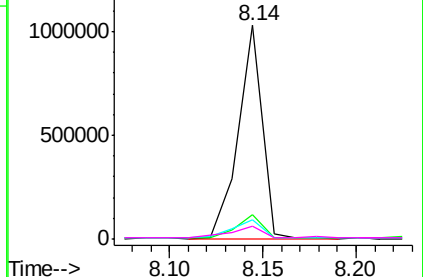
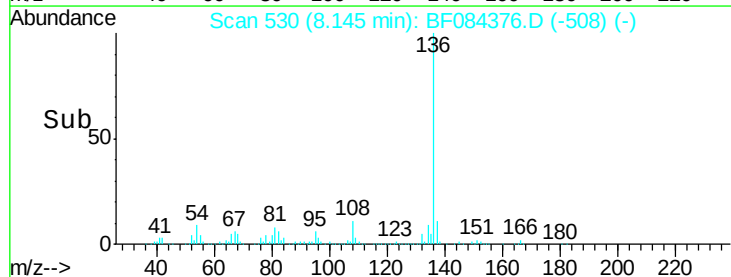


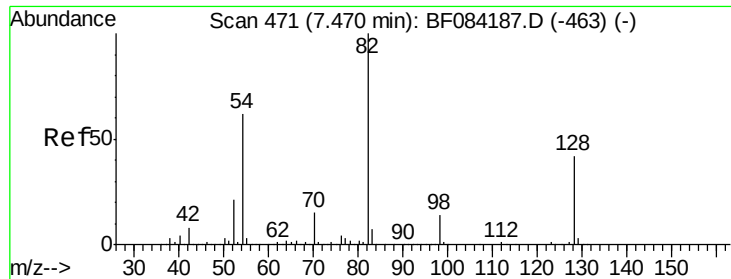
Abundance Ion 136.00 (135.70 to 136.70): E

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

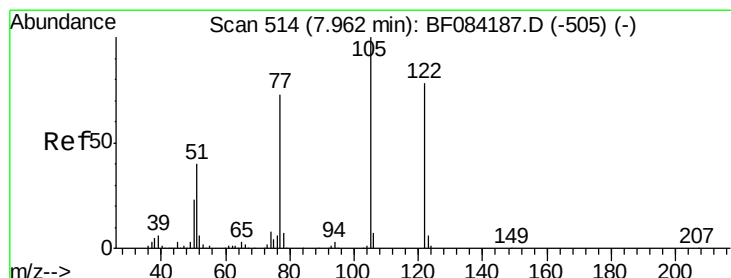
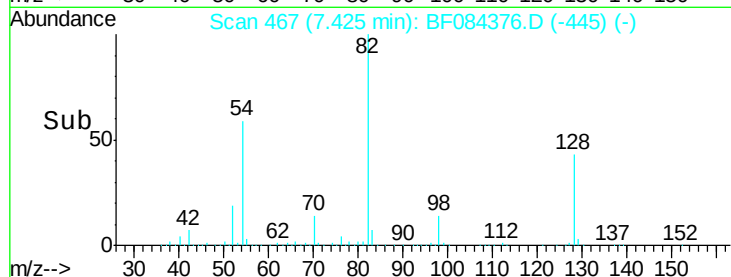
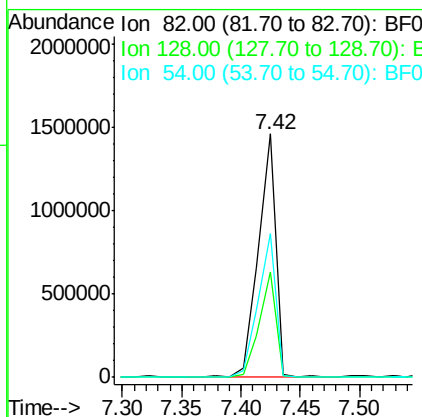
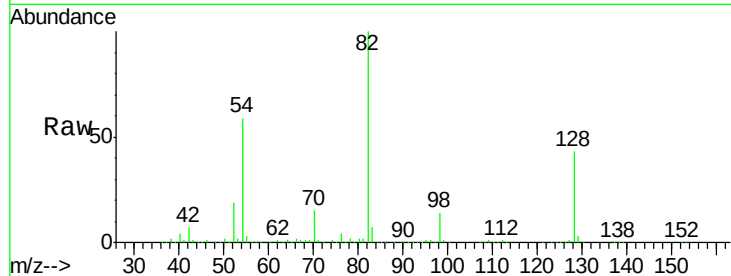




#23
 Nitrobenzene-d5
 Concen: 91.45 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF084376.D
 Acq: 11 Jan 2016 13:34

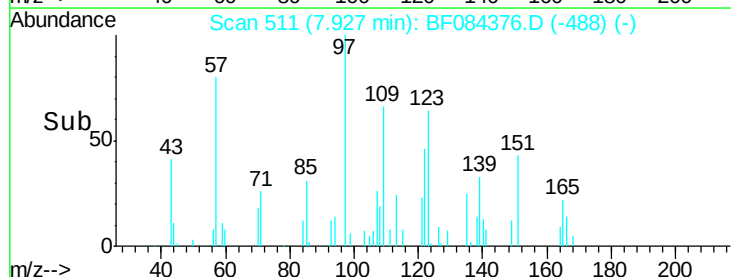
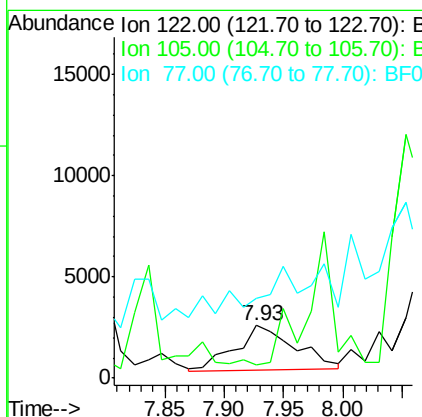
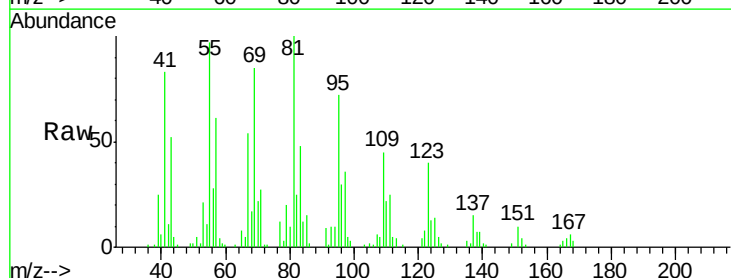
Instrument :
 BNA_F
 ClientSampleId :
 SB-5N(0-10)

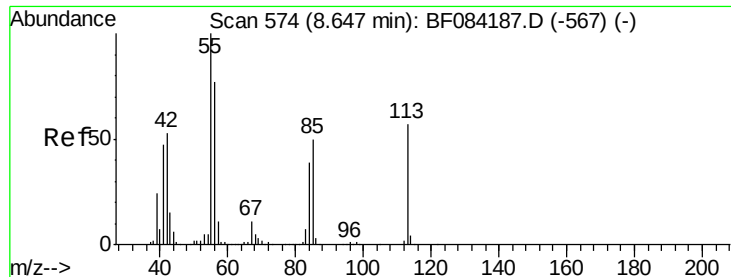
Tgt Ion: 82 Resp: 1510860
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.6 51.8
 54 58.9 38.4 57.6#



#32
 Benzoic acid
 Concen: 6.92 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.03 min
 Lab File: BF084376.D
 Acq: 11 Jan 2016 13:34

Tgt Ion: 122 Resp: 7669
 Ion Ratio Lower Upper
 122 100
 105 25.2 100.3 140.3#
 77 152.9 63.5 103.5#





#35

Caprolactam

Concen: 27.81 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.07 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

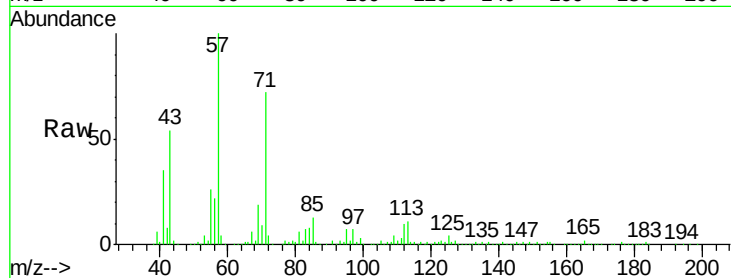
Tgt Ion:113 Resp: 120554

Ion Ratio Lower Upper

113 100

55 235.1 116.9 156.9#

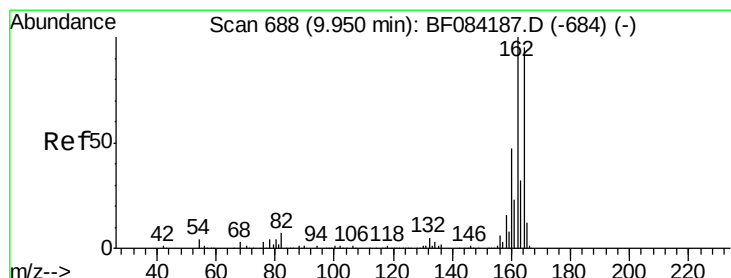
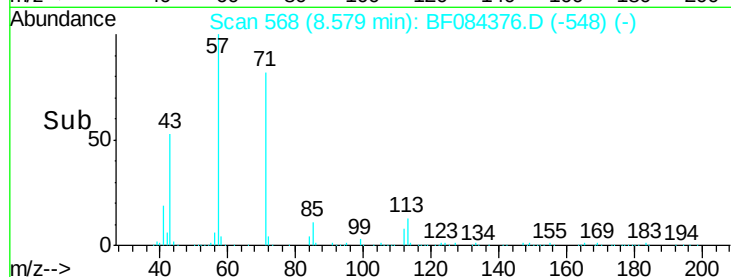
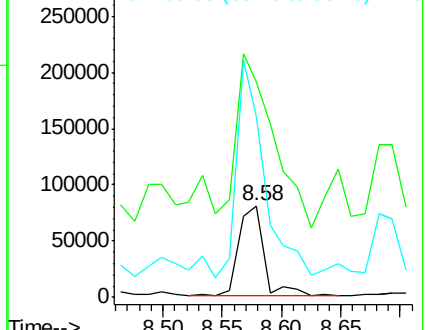
56 198.1 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

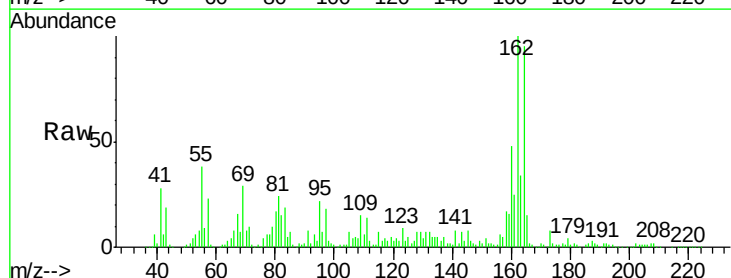
Tgt Ion:164 Resp: 379331

Ion Ratio Lower Upper

164 100

162 105.1 85.1 127.7

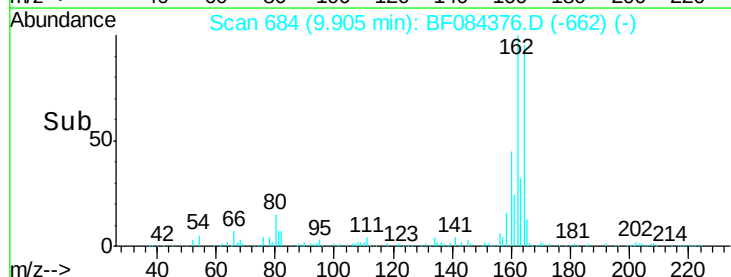
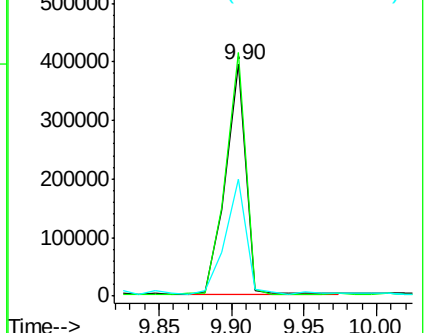
160 50.6 37.5 56.3

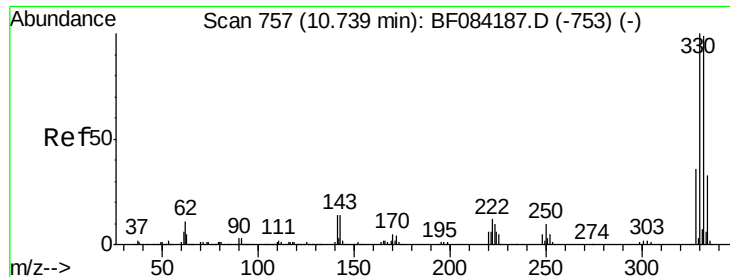


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

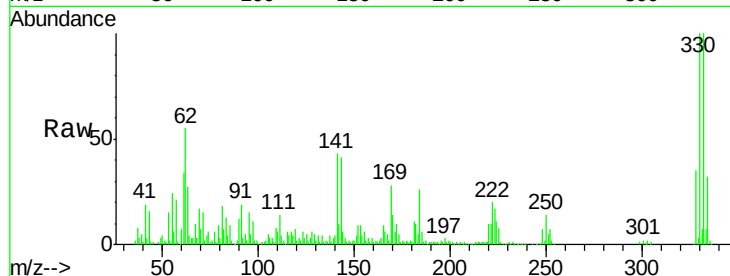




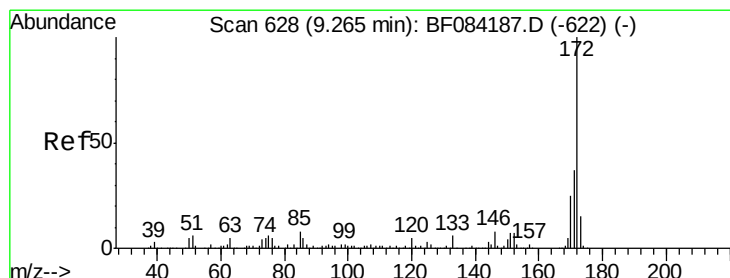
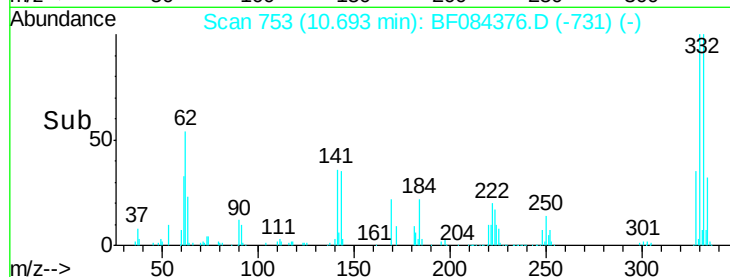
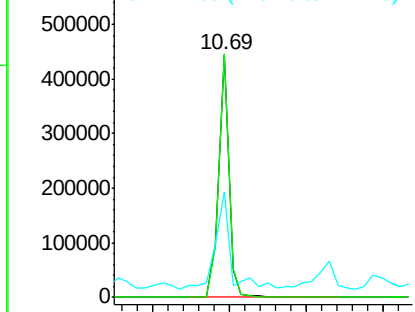
#41
 2,4,6-Tribromophenol
 Concen: 108.93 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084376.D
 Acq: 11 Jan 2016 13:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-5N(0-10)

Tgt Ion:330 Resp: 417157
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.6 114.8
 141 50.0 27.8 41.6#

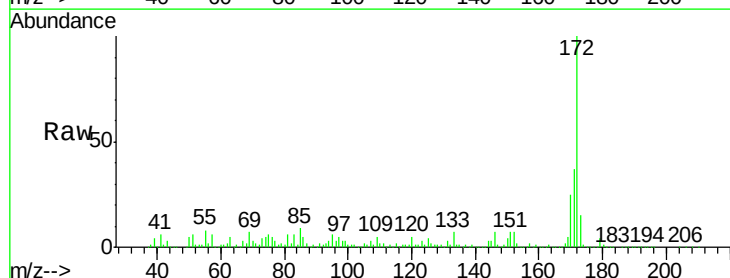


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

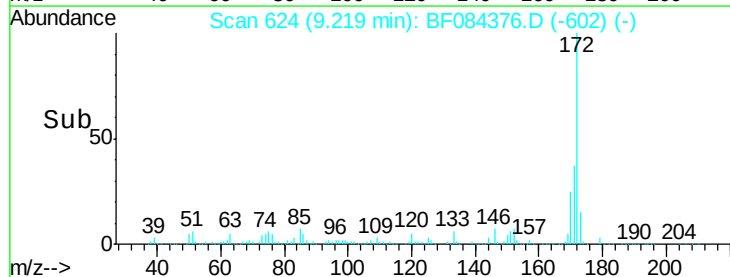
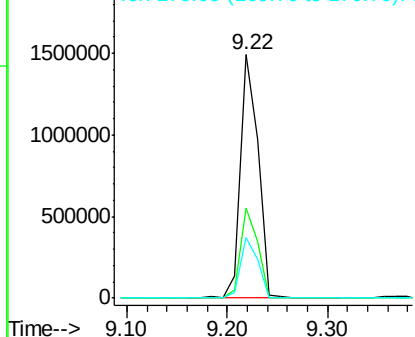


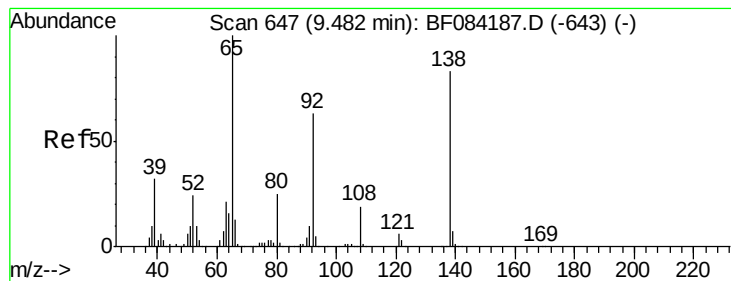
#44
 2-Fluorobiphenyl
 Concen: 84.19 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084376.D
 Acq: 11 Jan 2016 13:34

Tgt Ion:172 Resp: 1816735
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.8 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





#47

2-Nitroaniline

Concen: 3.37 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.13 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

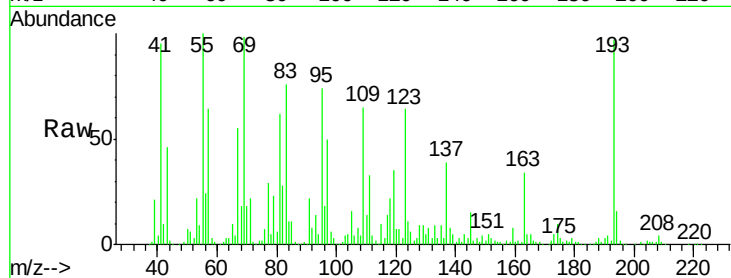
Tgt Ion: 65 Resp: 26360

Ion Ratio Lower Upper

65 100

92 73.7 53.4 80.2

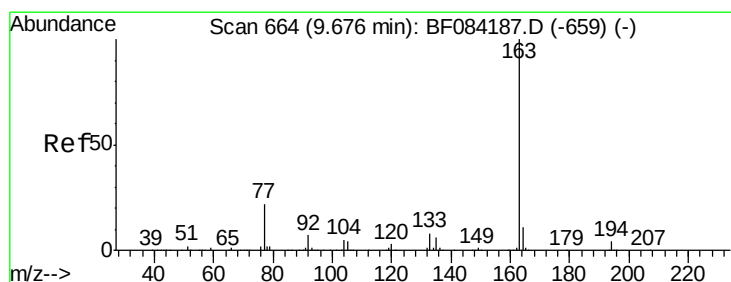
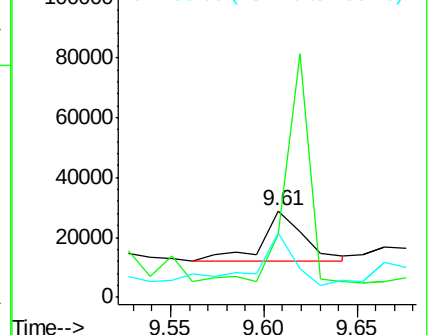
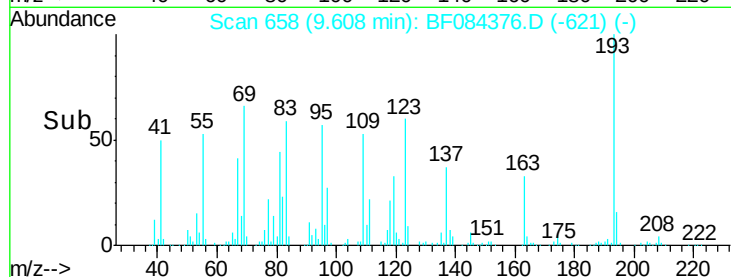
138 75.4 71.1 106.7



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E



#49

Dimethylphthalate

Concen: 22.38 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

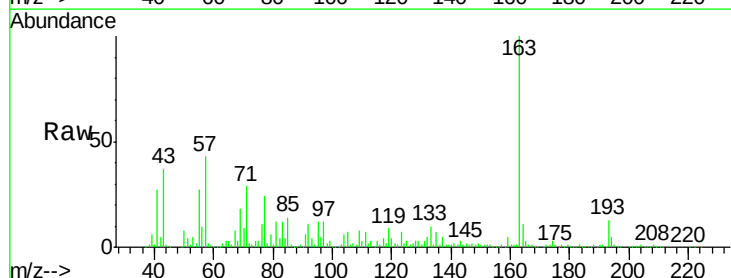
Tgt Ion: 163 Resp: 606905

Ion Ratio Lower Upper

163 100

194 5.1 8.0 12.0#

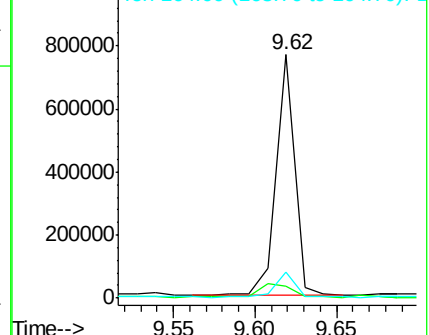
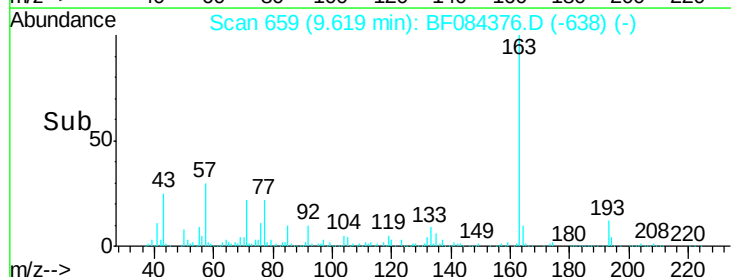
164 10.7 8.0 12.0

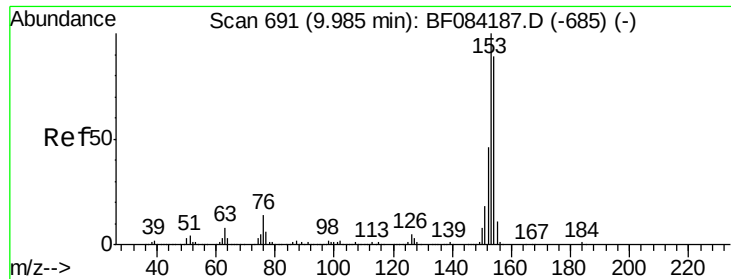


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.35 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

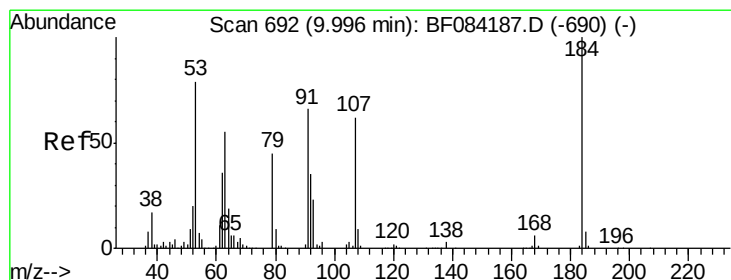
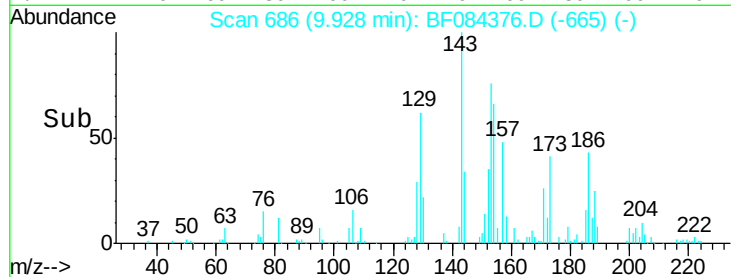
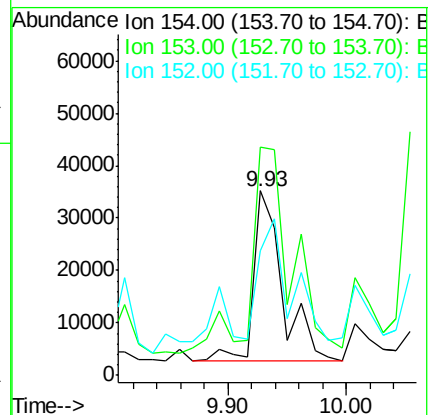
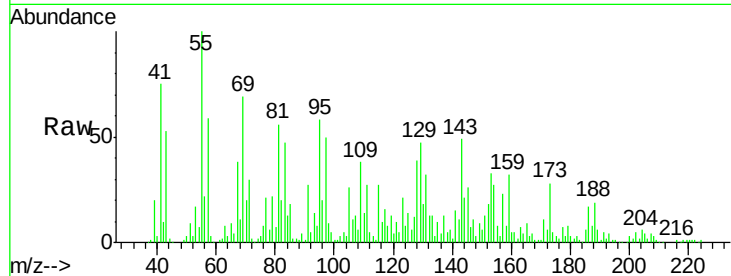
Tgt Ion:154 Resp: 55153

Ion Ratio Lower Upper

154 100

153 123.4 91.5 137.3

152 67.5 43.0 64.6#



#53

2,4-Dinitrophenol

Concen: 3.96 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

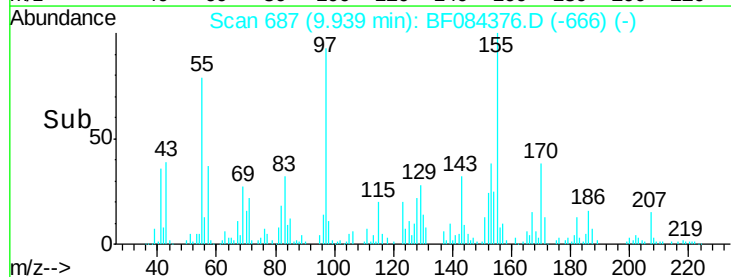
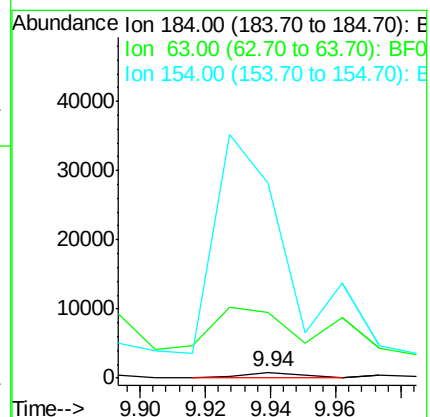
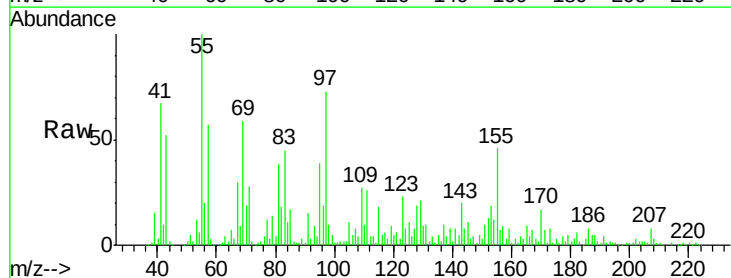
Tgt Ion:184 Resp: 1081

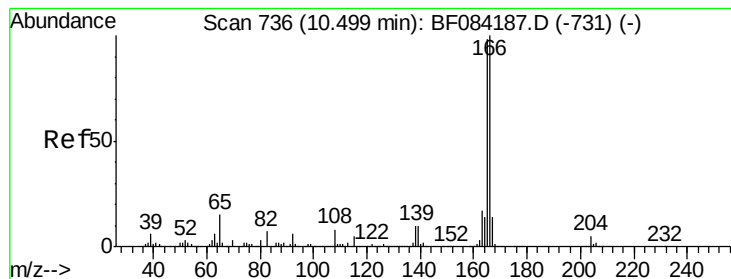
Ion Ratio Lower Upper

184 100

63 1118.7 43.1 64.7#

154 3340.3 60.5 90.7#





#57

Fluorene

Concen: 2.43 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

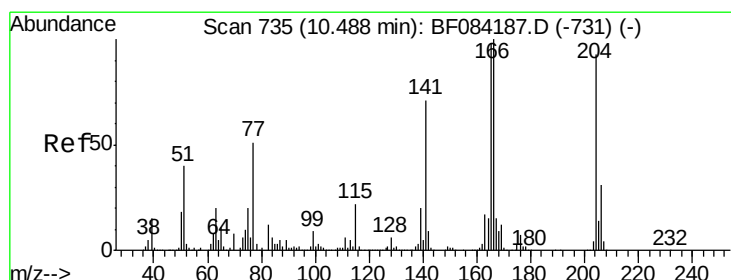
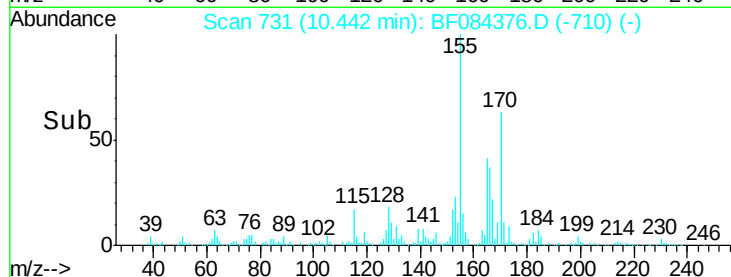
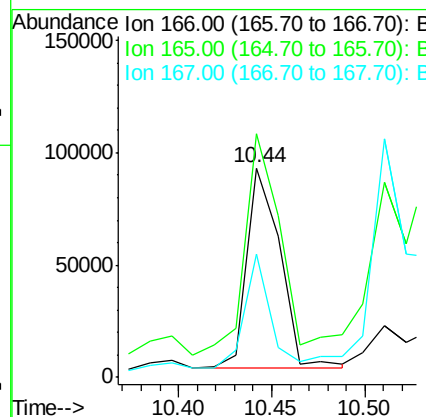
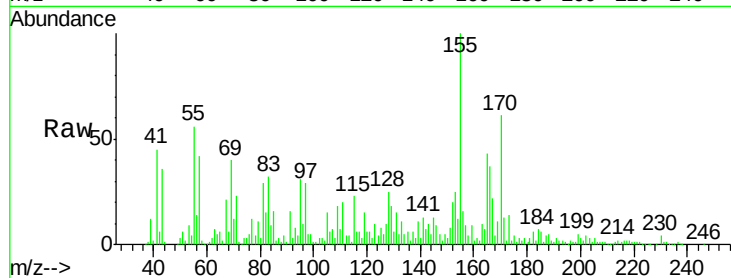
Tgt Ion:166 Resp: 109986

Ion Ratio Lower Upper

166 100

165 116.4 79.1 118.7

167 59.2 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

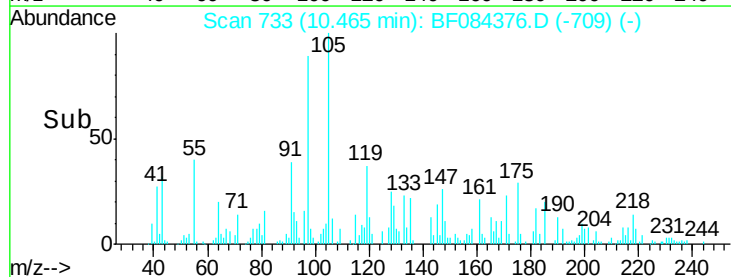
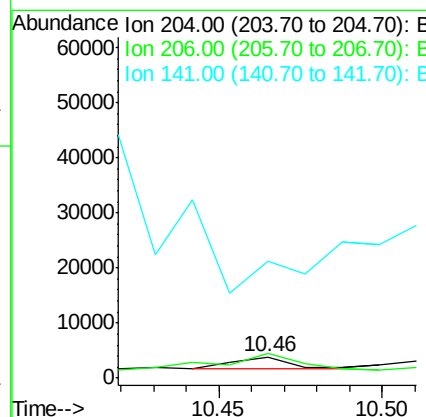
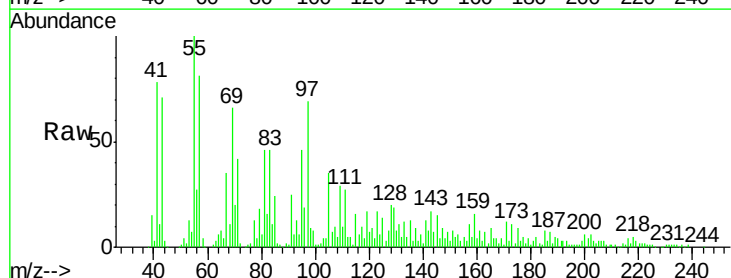
Tgt Ion:204 Resp: 2772

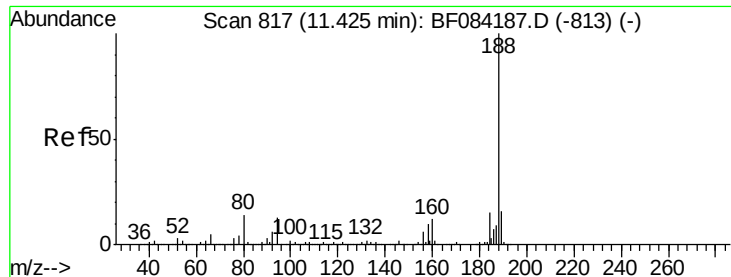
Ion Ratio Lower Upper

204 100

206 113.3 25.7 38.5#

141 543.0 55.1 82.7#

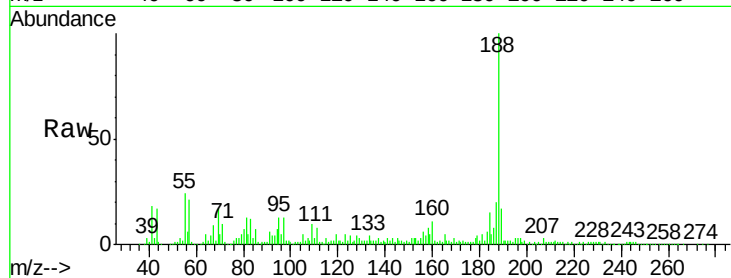




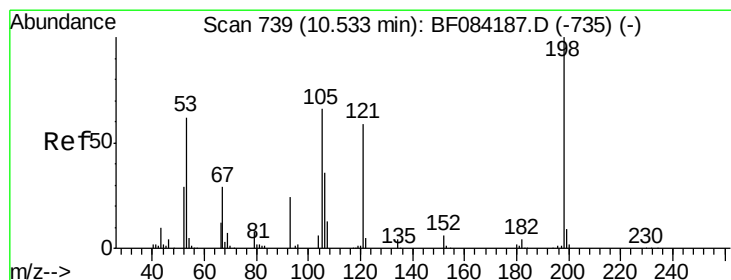
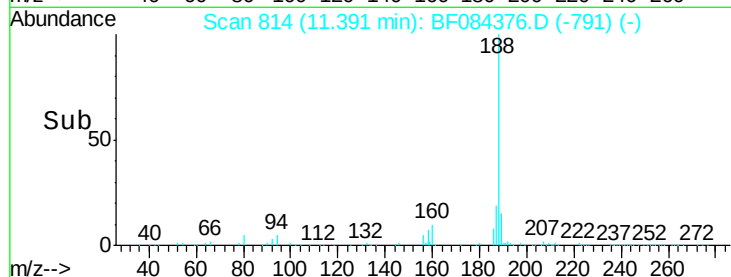
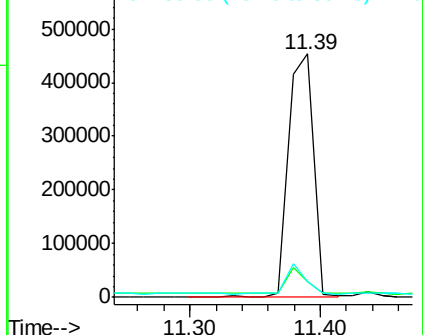
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF084376.D
Acq: 11 Jan 2016 13:34

Instrument :
BNA_F
ClientSampleId :
SB-5N(0-10)

Tgt Ion:188 Resp: 602089
Ion Ratio Lower Upper
188 100
94 6.7 9.0 13.4#
80 6.7 9.6 14.4#

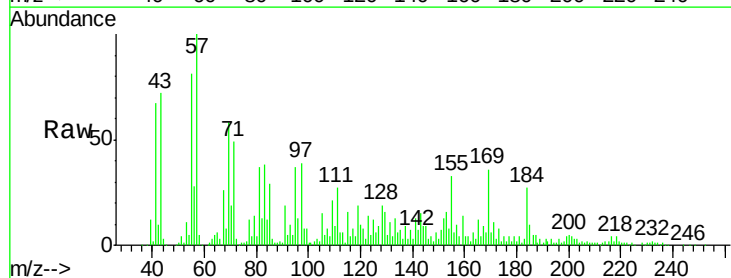


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

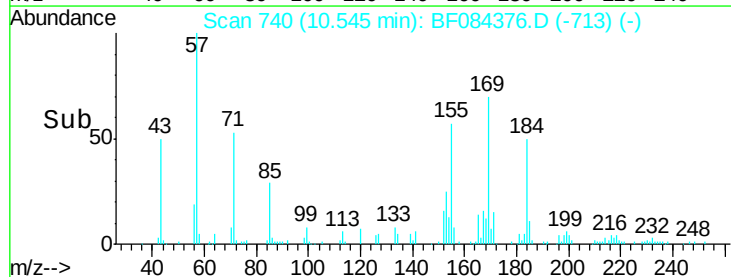
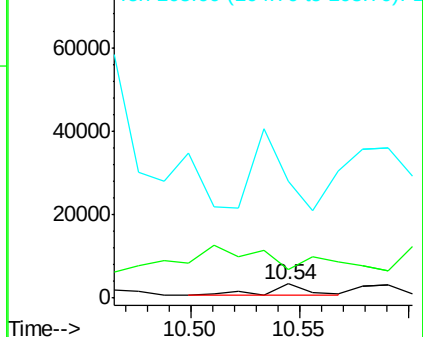


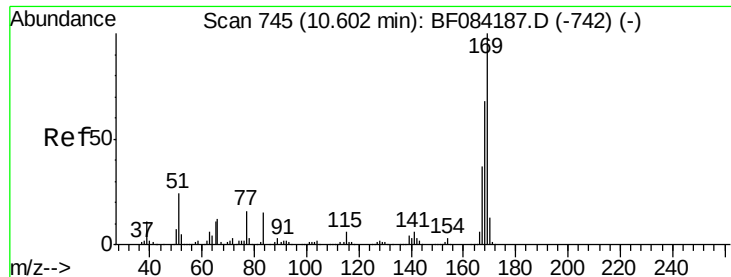
#64
4,6-Dinitro-2-methylphenol
Concen: 7.13 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF084376.D
Acq: 11 Jan 2016 13:34

Tgt Ion:198 Resp: 3594
Ion Ratio Lower Upper
198 100
51 200.0 18.9 58.9#
105 808.1 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





#65

n-Nitrosodiphenylamine

Concen: 13.65 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.05 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

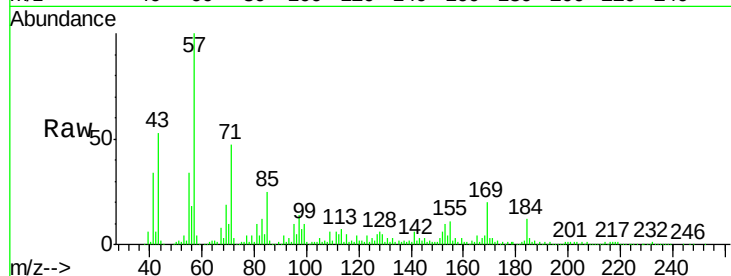
Tgt Ion:169 Resp: 262790

Ion Ratio Lower Upper

169 100

168 20.5 55.1 82.7#

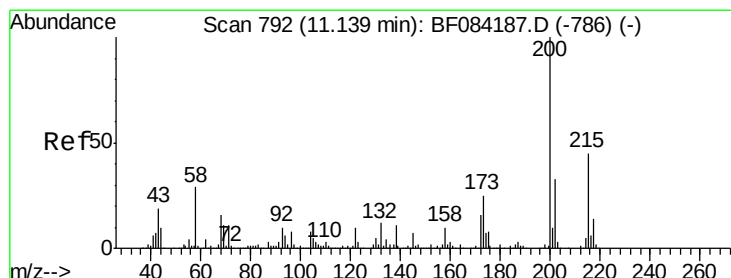
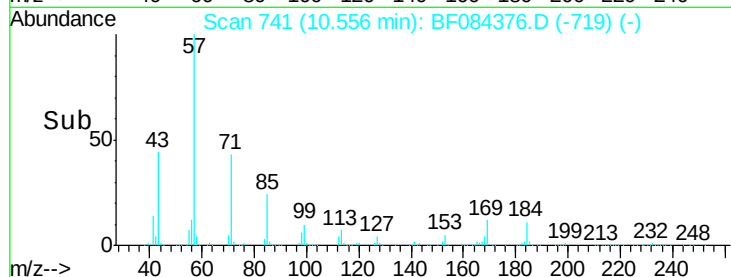
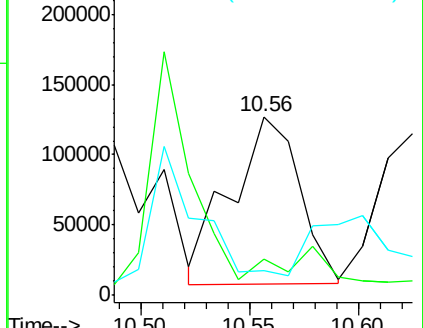
167 13.6 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 2.70 ng

RT: 11.10 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

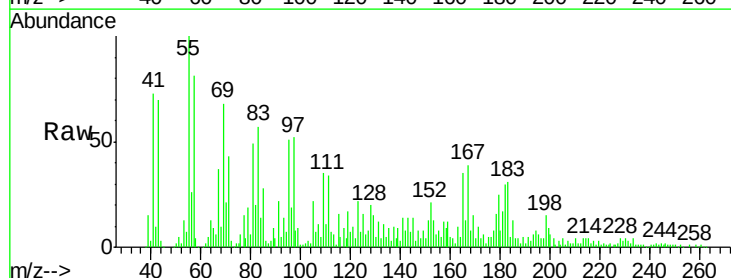
Tgt Ion:200 Resp: 17002

Ion Ratio Lower Upper

200 100

173 89.5 9.5 49.5#

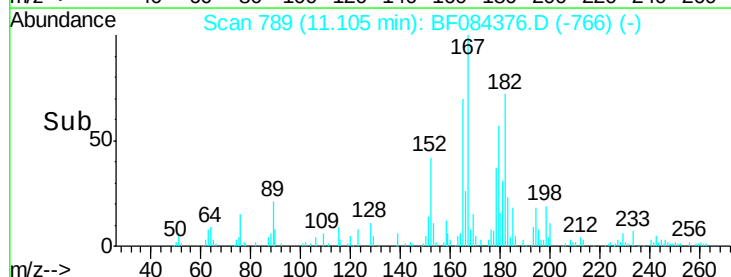
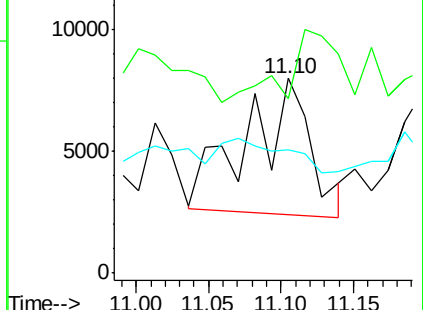
215 63.6 23.8 63.8

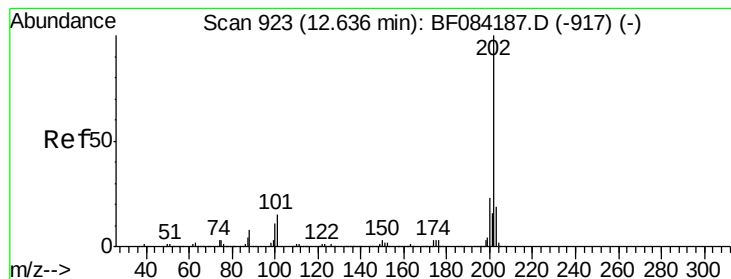


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#74

Fluoranthene

Concen: 2.20 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

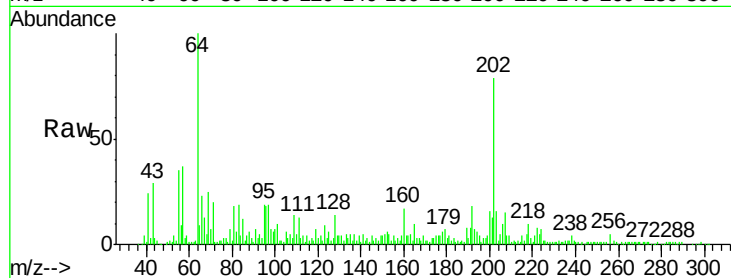
Tgt Ion:202 Resp: 72334

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.8

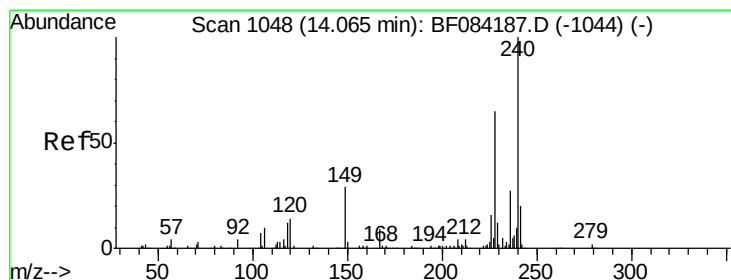
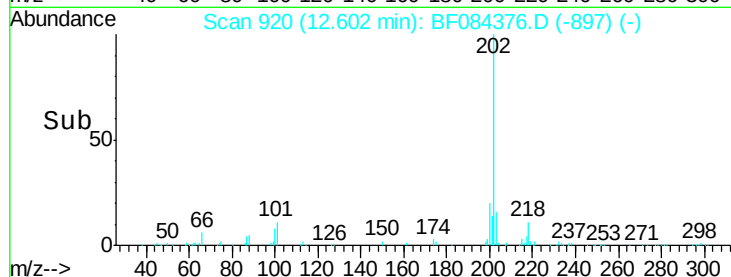
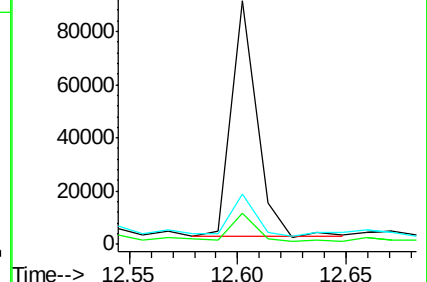
203 20.6 0.0 37.9



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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

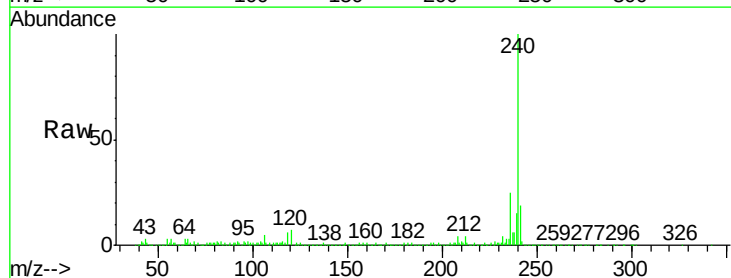
Tgt Ion:240 Resp: 462398

Ion Ratio Lower Upper

240 100

120 6.7 9.5 14.3#

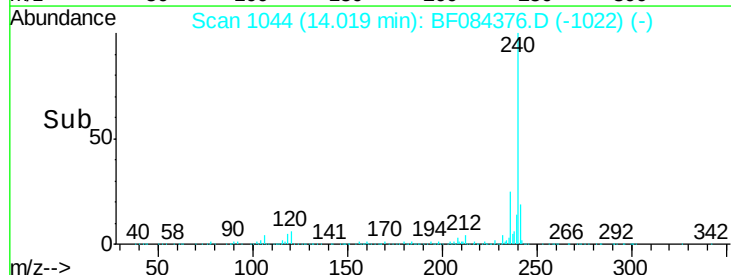
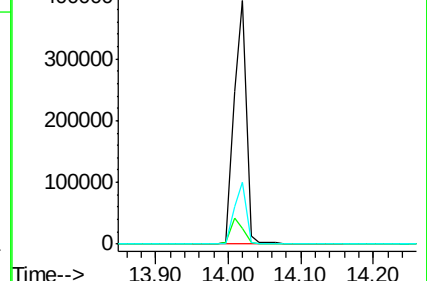
236 25.2 20.6 31.0

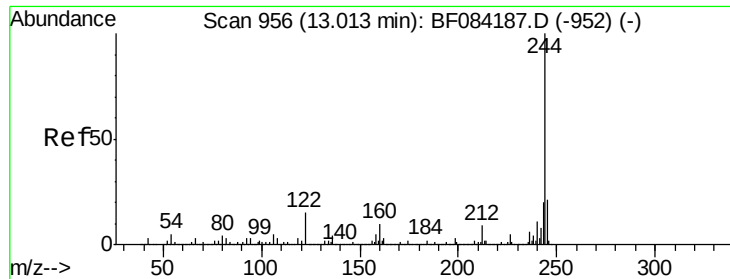


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.26 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

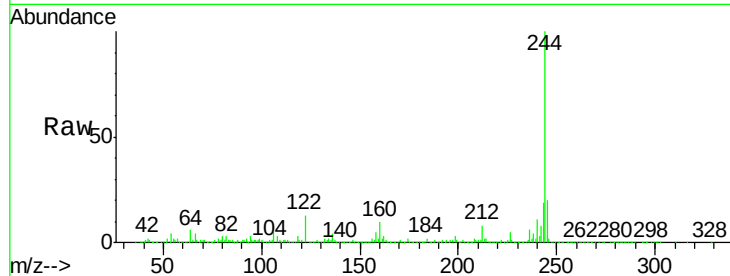
Tgt Ion:244 Resp: 1372586

Ion Ratio Lower Upper

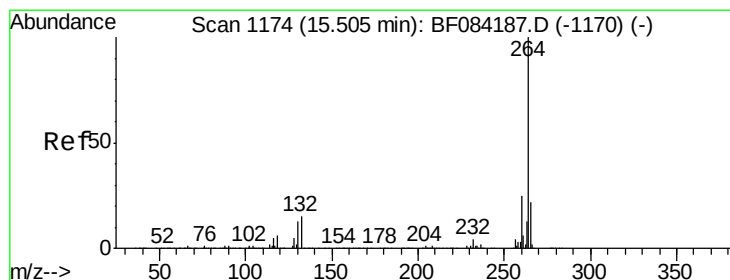
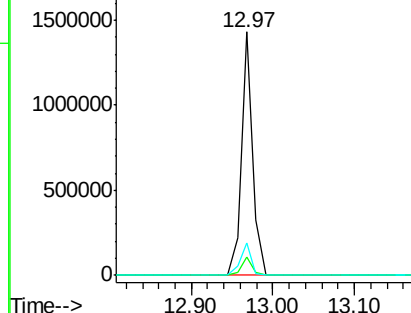
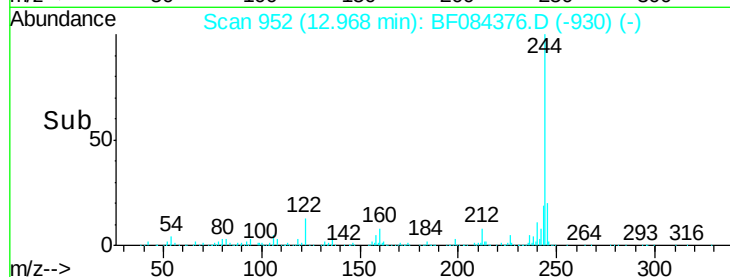
244 100

212 7.7 5.7 8.5

122 13.4 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: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

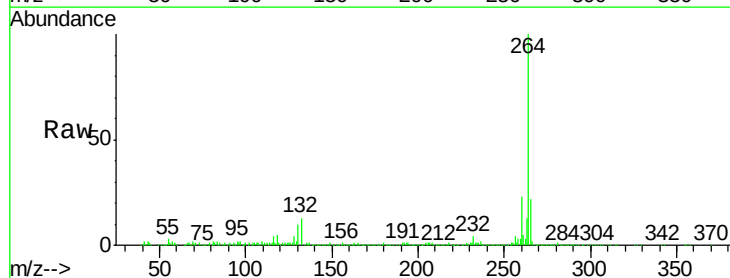
Tgt Ion:264 Resp: 418876

Ion Ratio Lower Upper

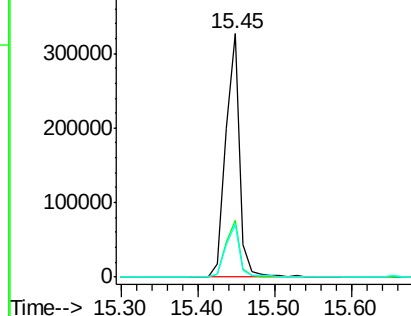
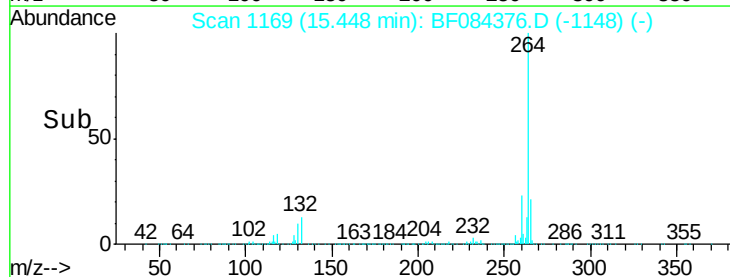
264 100

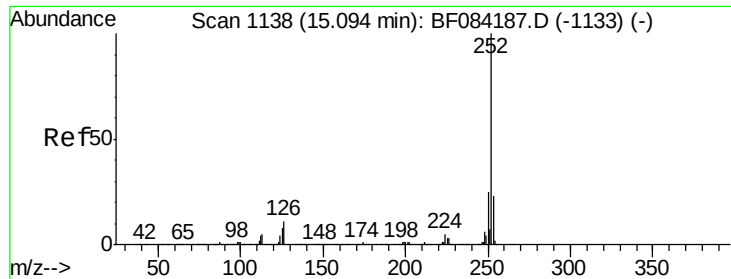
260 23.3 19.4 29.2

265 21.5 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.19 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.06 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

Instrument :

BNA_F

ClientSampleId :

SB-5N(0-10)

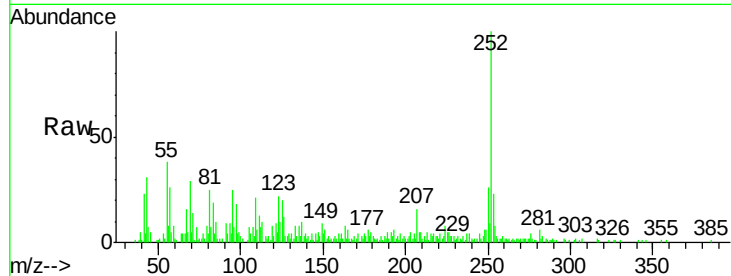
Tgt Ion:252 Resp: 59954

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

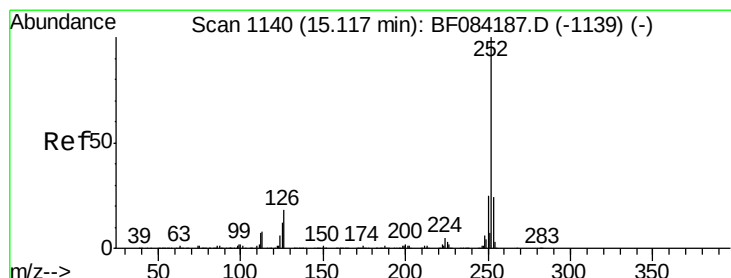
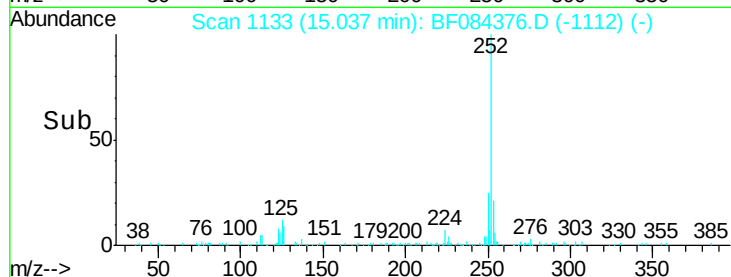
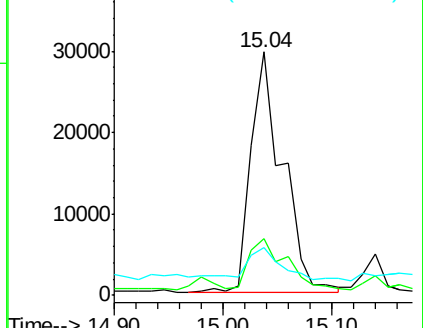
125 19.6 6.5 9.7#



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: 2.68 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.08 min

Lab File: BF084376.D

Acq: 11 Jan 2016 13:34

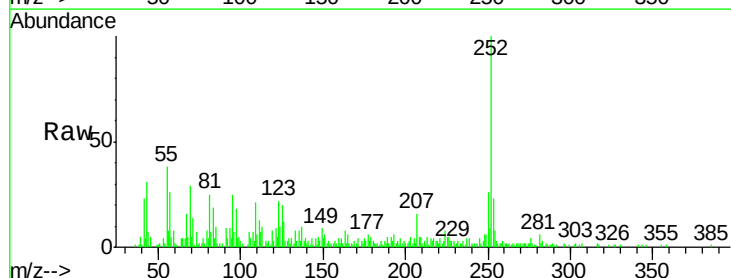
Tgt Ion:252 Resp: 59954

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

125 19.6 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

