

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084229.D
 Acq On : 1 Jan 2016 7:07
 Operator : UM/SJ
 Sample : G4960-06RE 50X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-3(16.0-16.5)

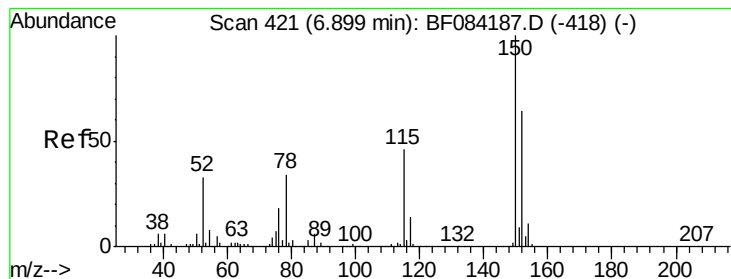
Quant Time: Jan 02 00:02:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	270336	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1000504	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	451447	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	788363	20.00	ng	0.01
75) Chrysene-d12	14.07	240	641055	20.00	ng	0.00
86) Perylene-d12	15.51	264	574955	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	47610	2.85	ng	0.01
7) Phenol-d6	6.53	99	72901	3.47	ng	0.00
23) Nitrobenzene-d5	7.46	82	78323	4.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	9371	2.06	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	77453	-3.58	ng	0.00
78) Terphenyl-d14	13.01	244	61631	2.15	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.47	117	184272	23.49	ng	# 5
24) Nitrobenzene	7.44	77	49779	2.73	ng	# 57
25) Isophorone	7.72	82	88865	2.58	ng	# 1
32) Benzoic acid	7.98	122	10882	7.12	ng	# 19
35) Caprolactam	8.62	113	148637	31.51	ng	# 1
37) 2-Methylnaphthalene	8.91	142	611614	18.77	ng	# 98
50) 2,6-Dinitrotoluene	9.72	165	15964	2.26	ng	# 1
51) Acenaphthene	9.98	154	111542	3.99	ng	# 81
52) 3-Nitroaniline	9.90	138	19551	2.23	ng	# 26
53) 2,4-Dinitrophenol	9.94	184	1618	4.07	ng	# 1
55) 4-Nitrophenol	10.05	139	79985	12.56	ng	# 73
57) Fluorene	10.50	166	216325	5.65	ng	# 91
60) 4-Chlorophenyl-phenylether	10.51	204	2040	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.57	198	3580	6.96	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	347523	13.79	ng	# 94
70) Phenanthrene	11.46	178	658831	15.98	ng	# 96
71) Anthracene	11.46	178	658831	16.30	ng	# 97
73) Di-n-butylphthalate	12.03	149	2147	Below Cal		# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

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PJ-SB-3(16.0-16.5)

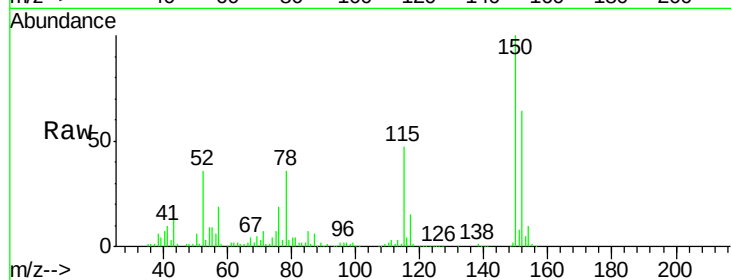
Tgt Ion:152 Resp: 270336

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

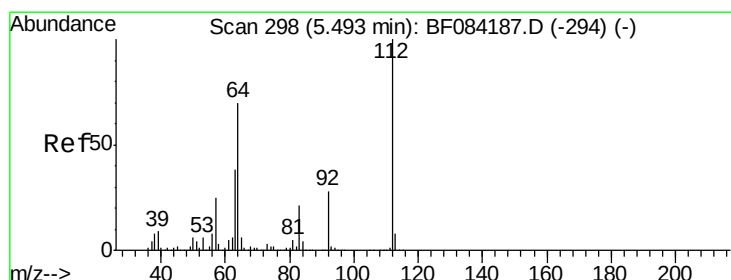
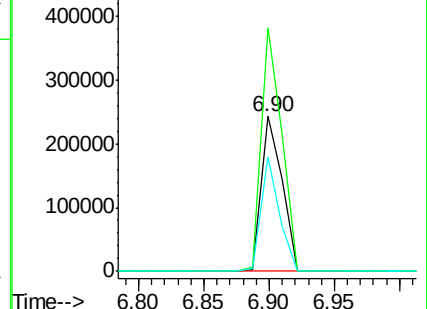
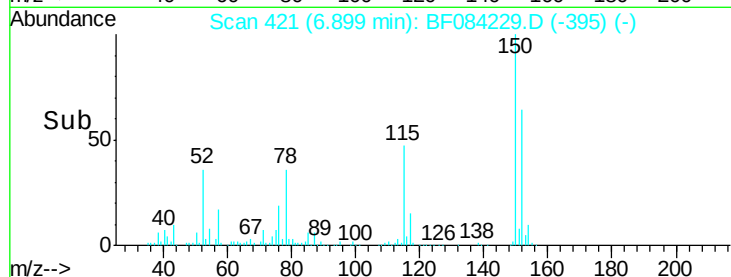
115 73.8 51.4 77.2



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: 2.85 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

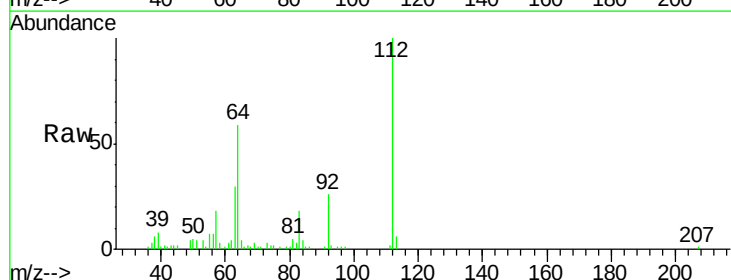
Tgt Ion:112 Resp: 47610

Ion Ratio Lower Upper

112 100

64 58.6 36.6 55.0#

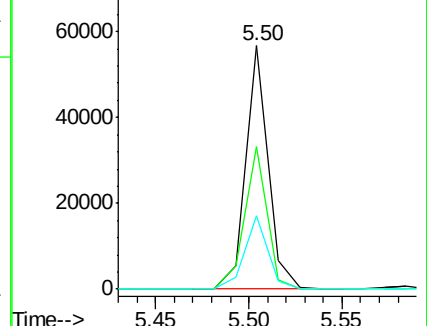
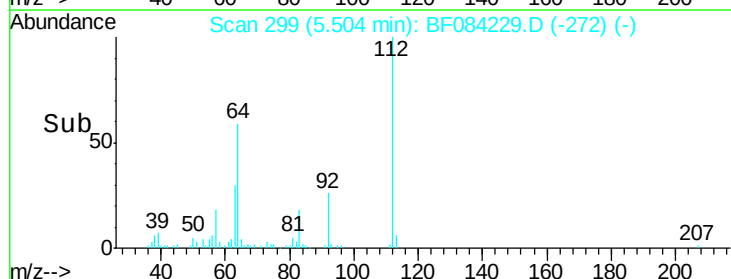
63 30.0 19.4 29.0#

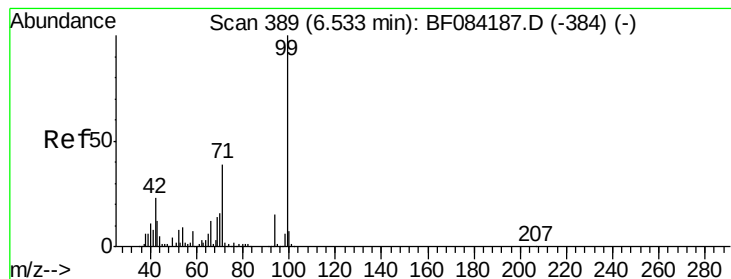


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.47 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

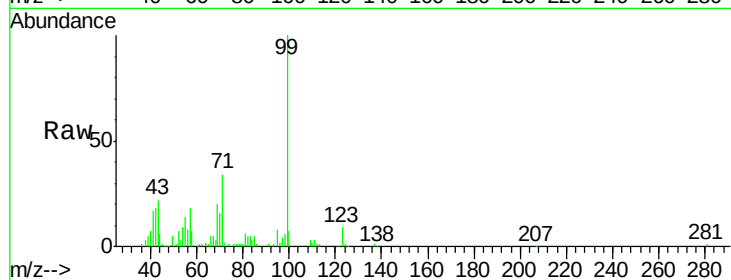
Tgt Ion: 99 Resp: 72901

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

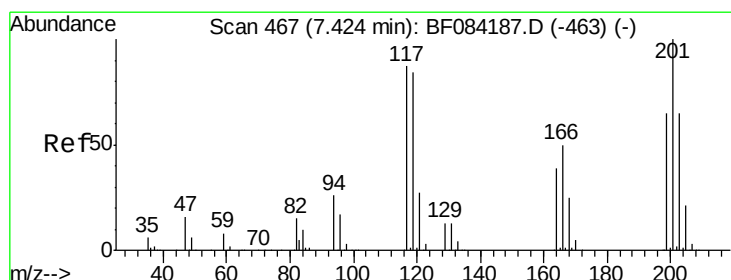
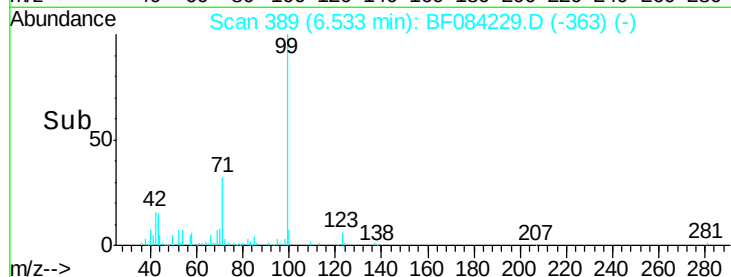
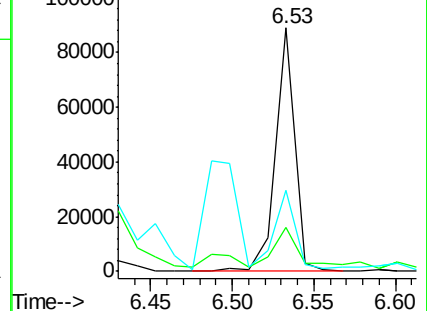
71 33.6 30.9 46.3



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



#18

Hexachloroethane

Concen: 23.49 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.05 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

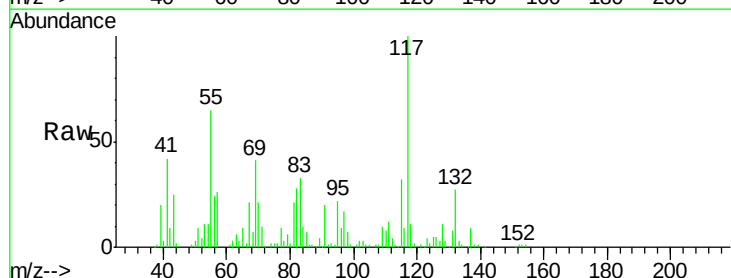
Tgt Ion: 117 Resp: 184272

Ion Ratio Lower Upper

117 100

119 2.4 77.4 116.0#

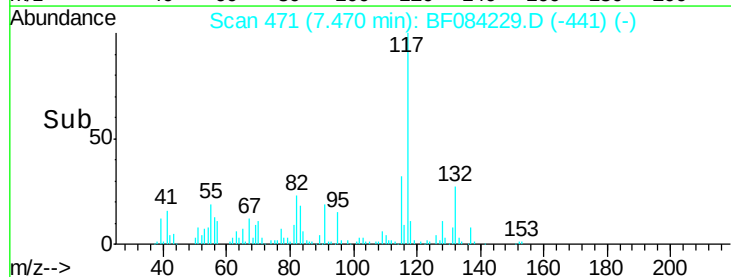
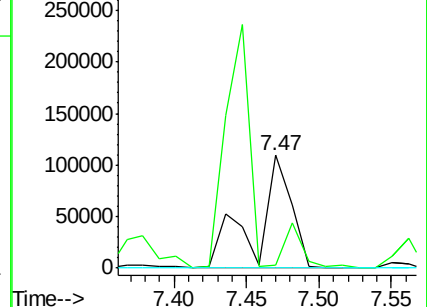
201 0.0 68.6 103.0#

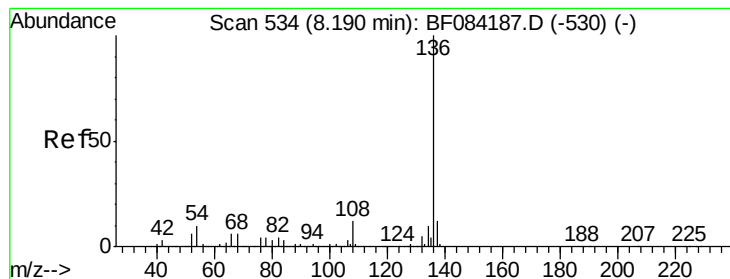


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

Tgt Ion:136 Resp: 1000504

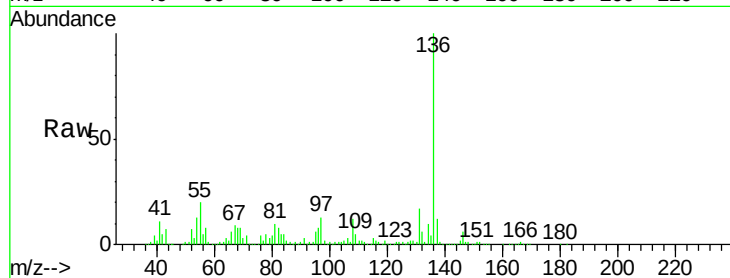
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 12.6 5.8 8.8#

68 7.8 4.2 6.2#

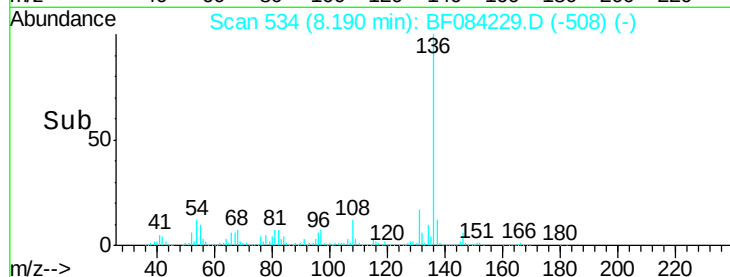


Abundance Ion 136.00 (135.70 to 136.70): E

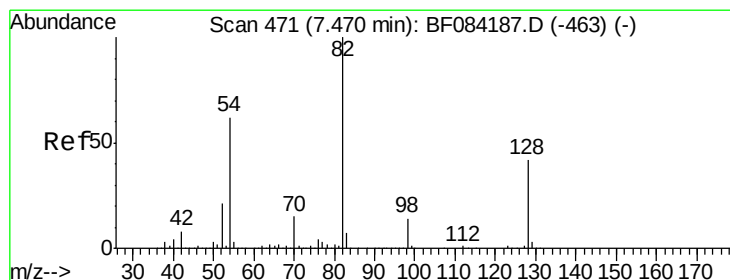
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 4.36 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

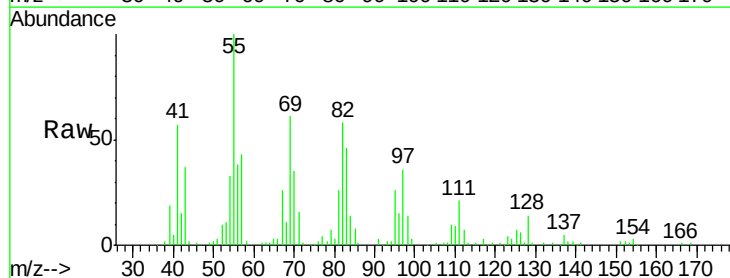
Tgt Ion: 82 Resp: 78323

Ion Ratio Lower Upper

82 100

128 24.1 34.6 51.8#

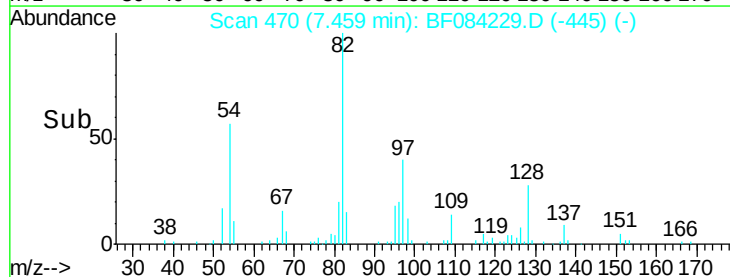
54 56.9 38.4 57.6



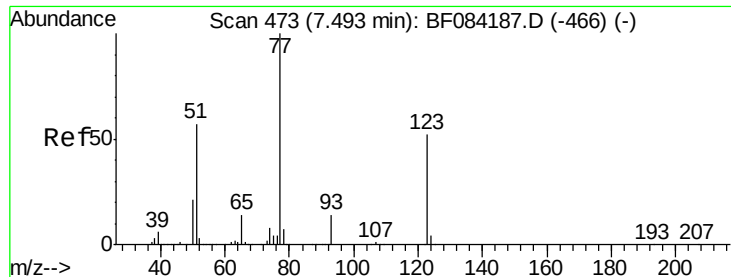
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



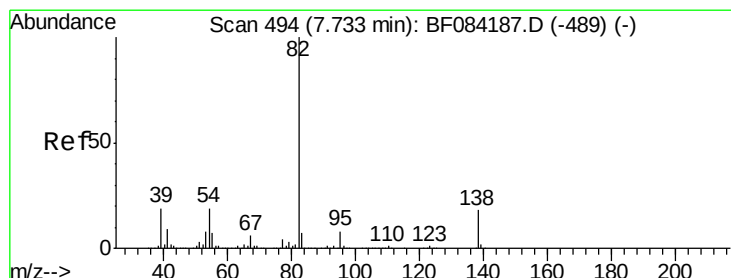
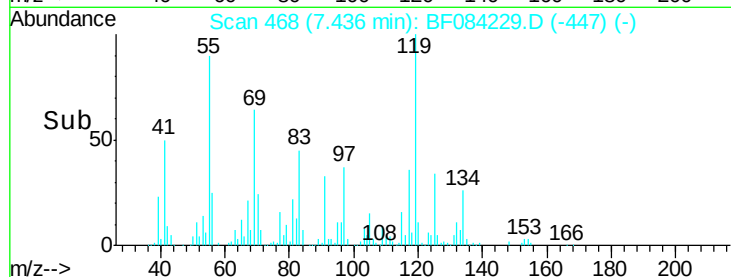
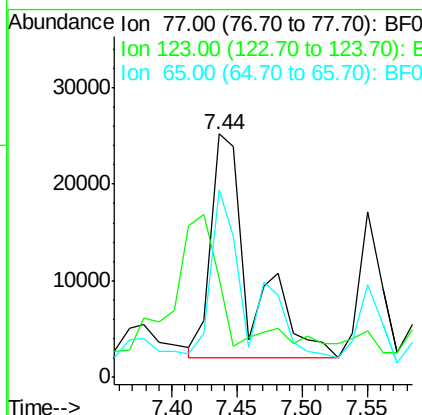
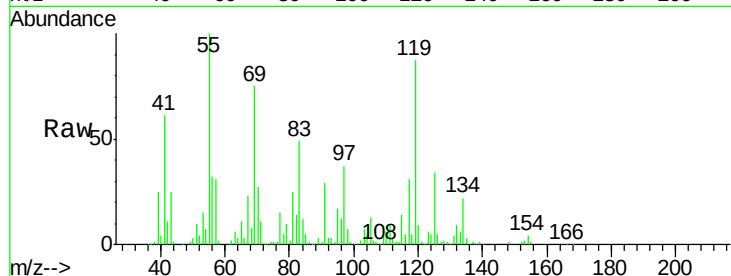
Time-->



#24
Nitrobenzene
Concen: 2.73 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.06 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

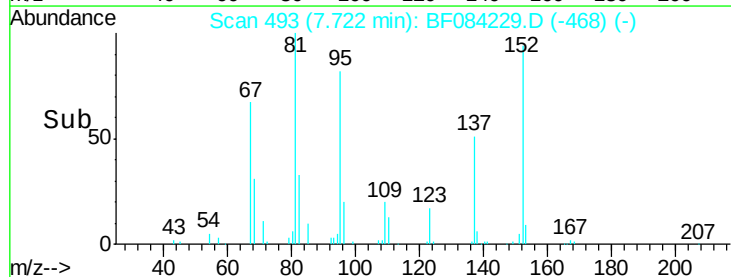
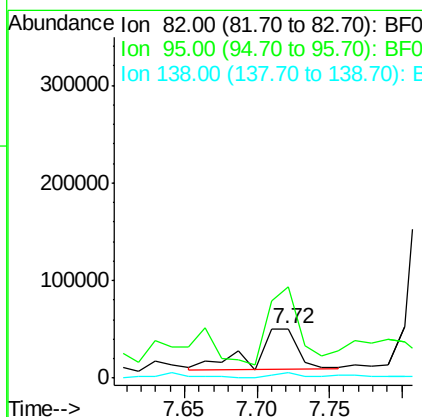
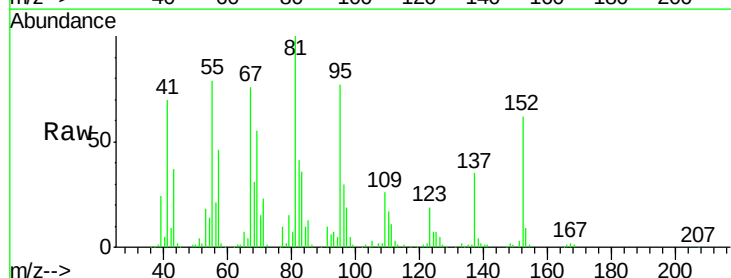
Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

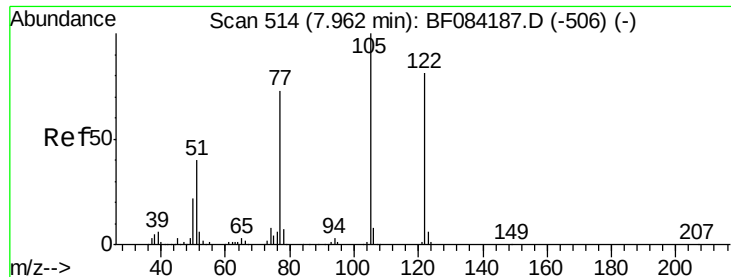
Tgt Ion: 77 Resp: 49779
Ion Ratio Lower Upper
77 100
123 40.6 37.4 56.2
65 76.9 10.9 16.3#



#25
Isophorone
Concen: 2.58 ng
RT: 7.72 min Scan# 493
Delta R.T. -0.01 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

Tgt Ion: 82 Resp: 88865
Ion Ratio Lower Upper
82 100
95 185.9 6.6 10.0#
138 10.6 13.6 20.4#

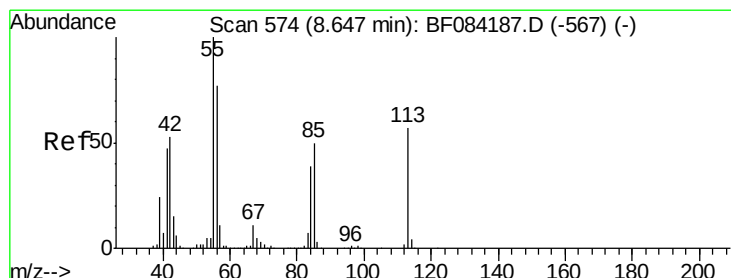
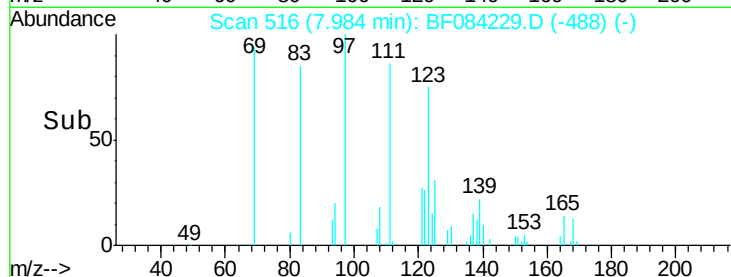
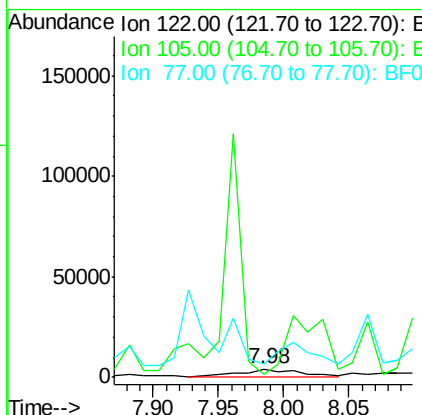
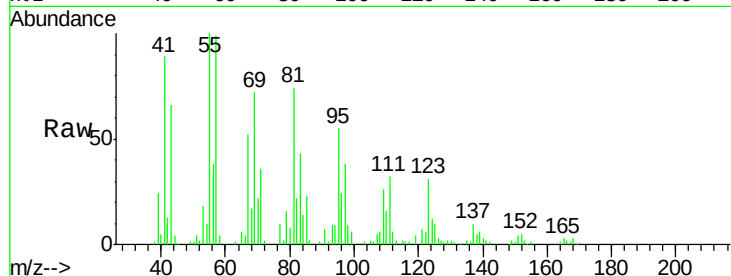




#32
Benzoic acid
Concen: 7.12 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.02 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

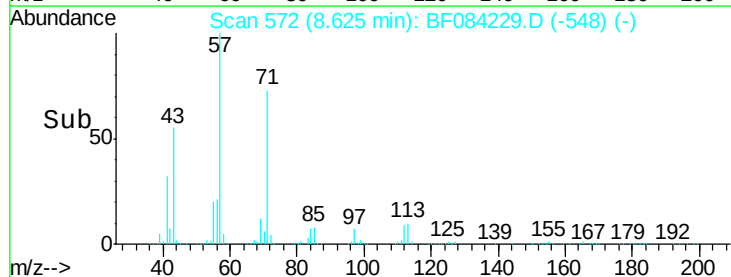
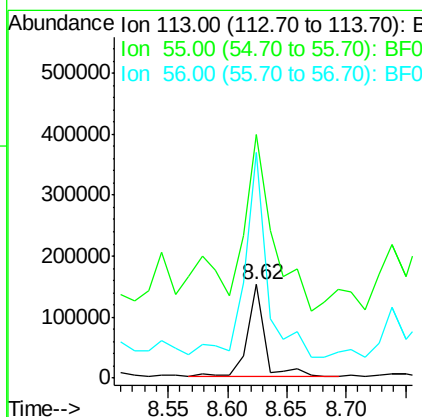
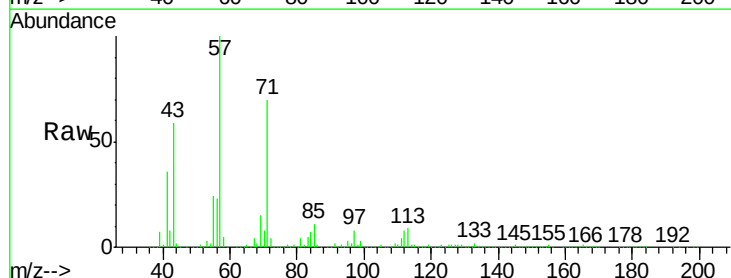
Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

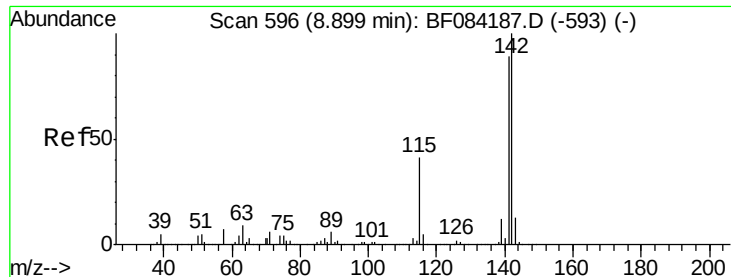
Tgt Ion:122 Resp: 10882
Ion Ratio Lower Upper
122 100
105 35.3 100.3 140.3#
77 163.5 63.5 103.5#



#35
Caprolactam
Concen: 31.51 ng
RT: 8.62 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

Tgt Ion:113 Resp: 148637
Ion Ratio Lower Upper
113 100
55 259.9 116.9 156.9#
56 241.0 93.8 133.8#

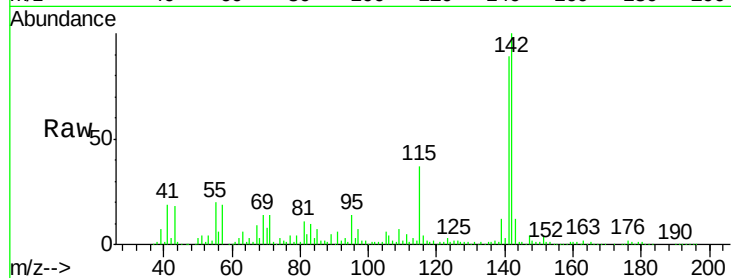




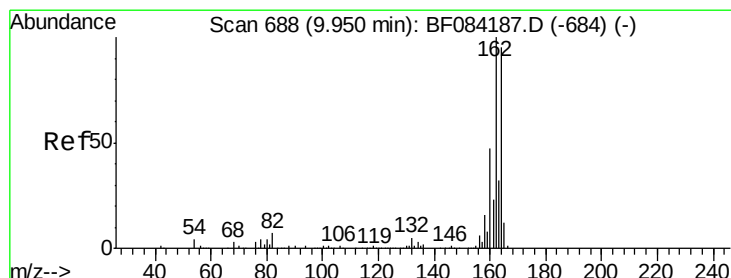
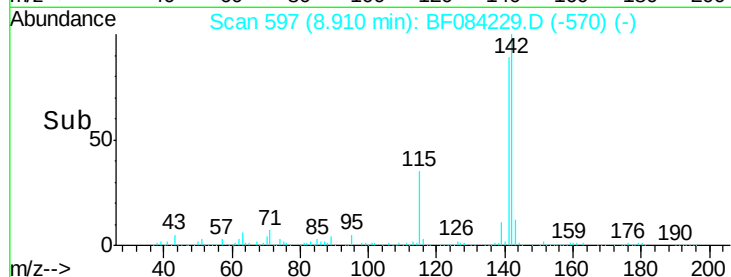
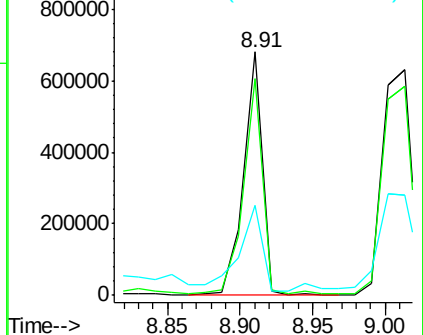
#37
2-Methylnaphthalene
Concen: 18.77 ng
RT: 8.91 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

Tgt Ion:142 Resp: 611614
Ion Ratio Lower Upper
142 100
141 89.1 72.4 108.6
115 36.8 27.9 41.9

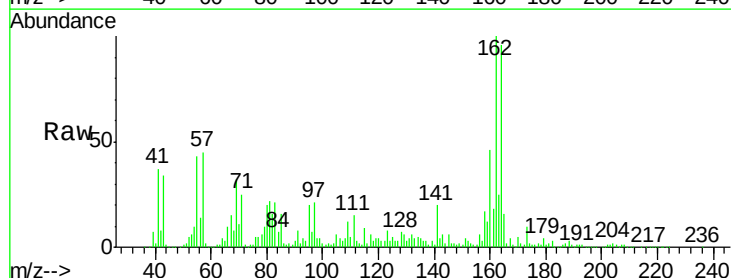


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

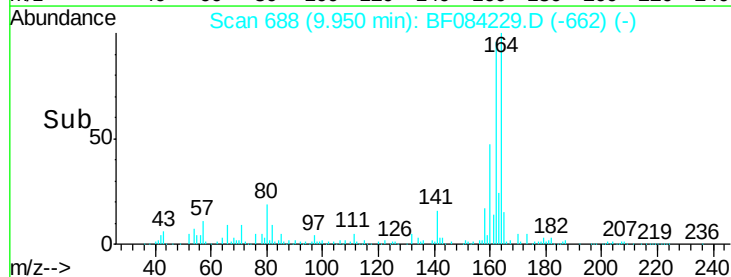
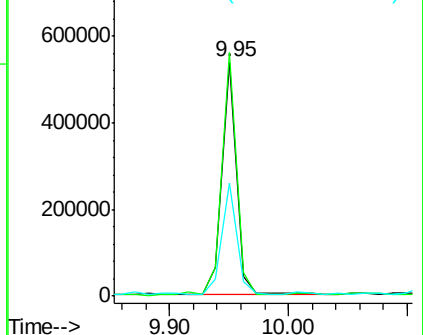


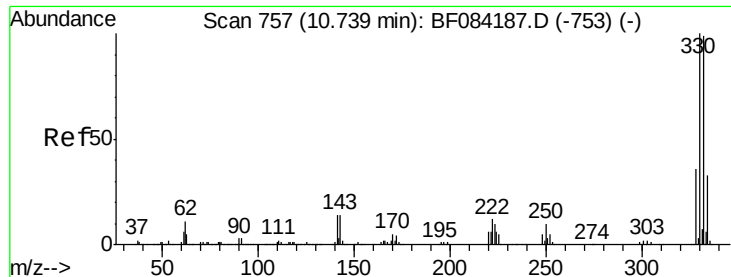
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

Tgt Ion:164 Resp: 451447
Ion Ratio Lower Upper
164 100
162 104.2 85.1 127.7
160 48.2 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

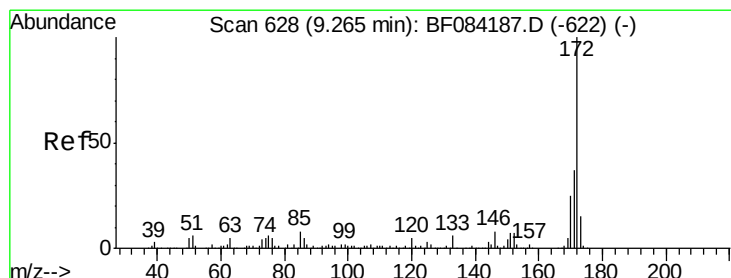
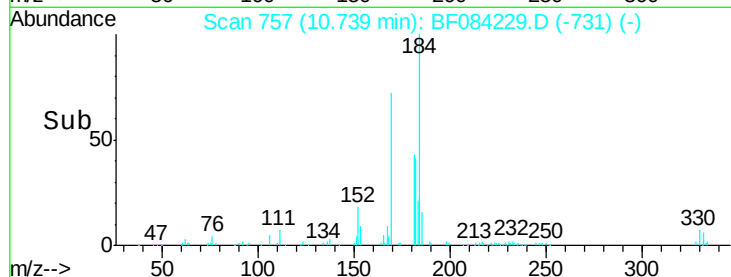
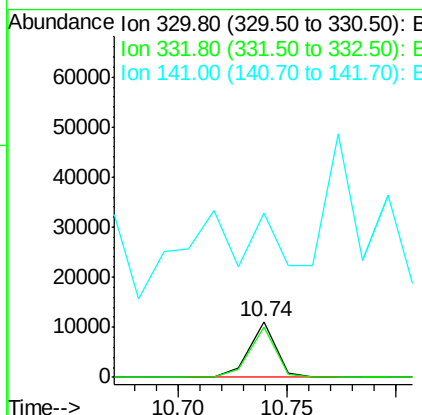
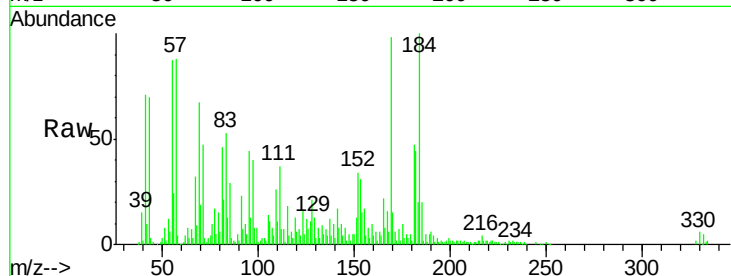




#41
 2,4,6-Tribromophenol
 Concen: 2.06 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BF084229.D
 Acq: 1 Jan 2016 7:07

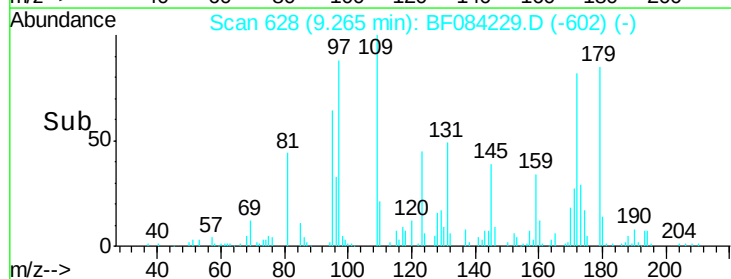
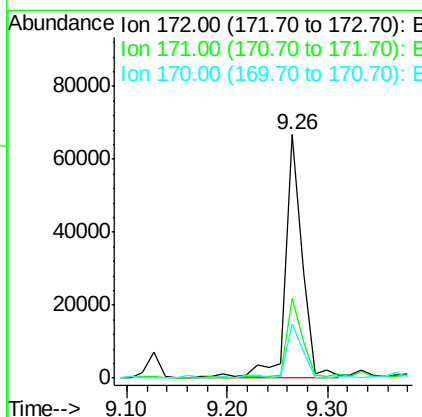
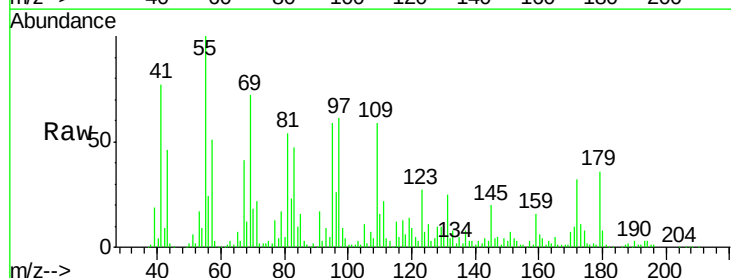
Instrument :
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 ClientSampleId :
 PJ-SB-3(16.0-16.5)

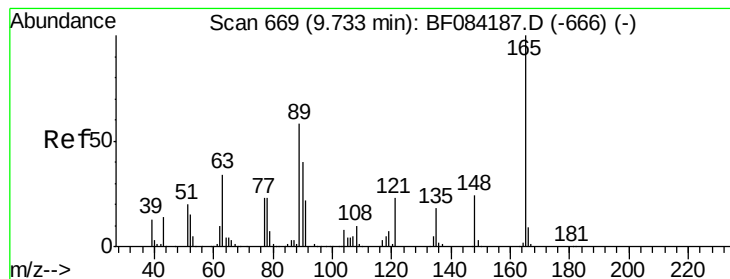
Tgt Ion:330 Resp: 9371
 Ion Ratio Lower Upper
 330 100
 332 90.2 76.6 114.8
 141 0.0 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: -3.58 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084229.D
 Acq: 1 Jan 2016 7:07

Tgt Ion:172 Resp: 77453
 Ion Ratio Lower Upper
 172 100
 171 32.5 28.9 43.3
 170 22.0 18.6 27.8





#50

2,6-Dinitrotoluene

Concen: 2.26 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

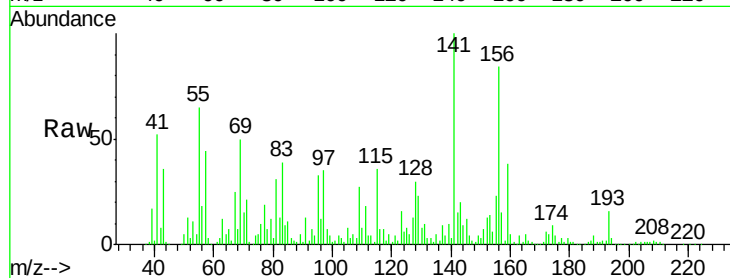
Tgt Ion:165 Resp: 15964

Ion Ratio Lower Upper

165 100

63 227.6 28.8 43.2#

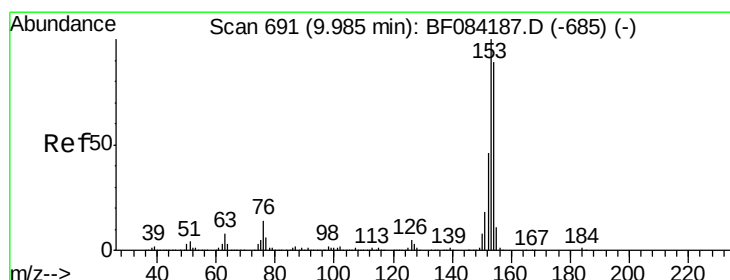
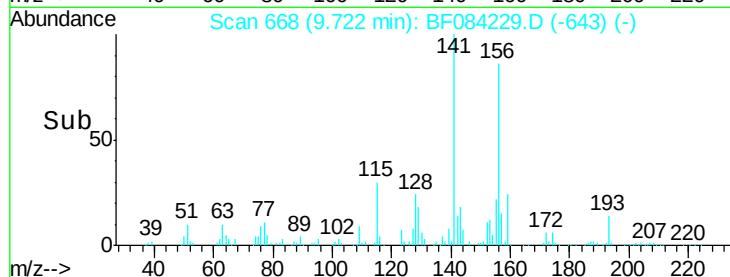
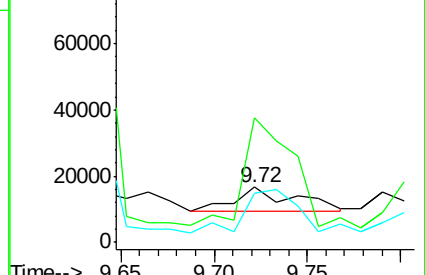
89 88.9 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 3.99 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

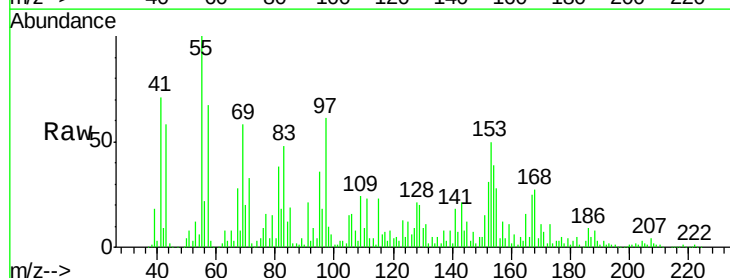
Tgt Ion:154 Resp: 111542

Ion Ratio Lower Upper

154 100

153 127.8 91.5 137.3

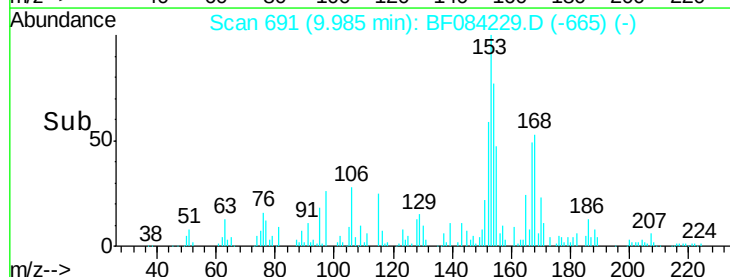
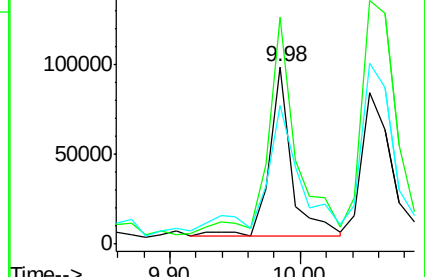
152 78.0 43.0 64.6#

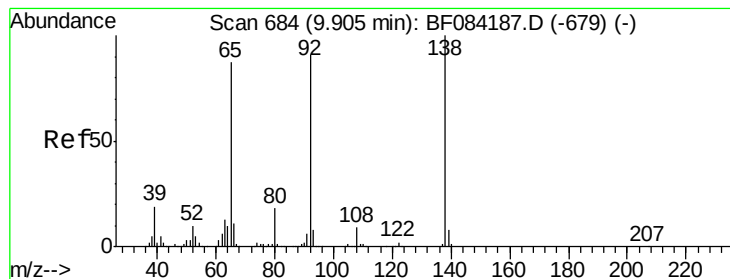


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 2.23 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

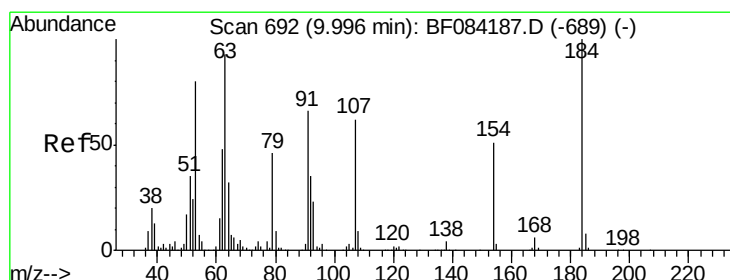
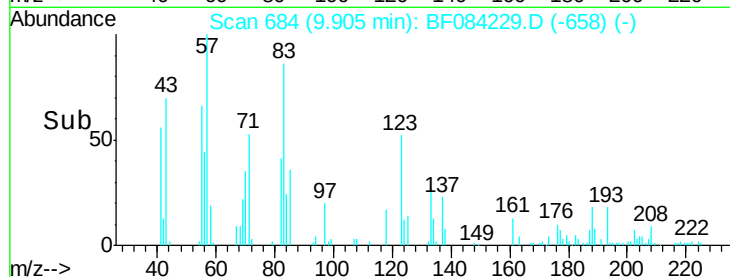
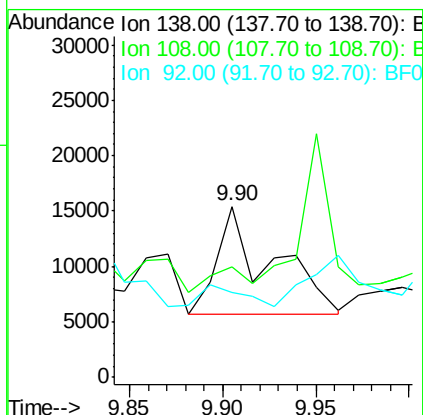
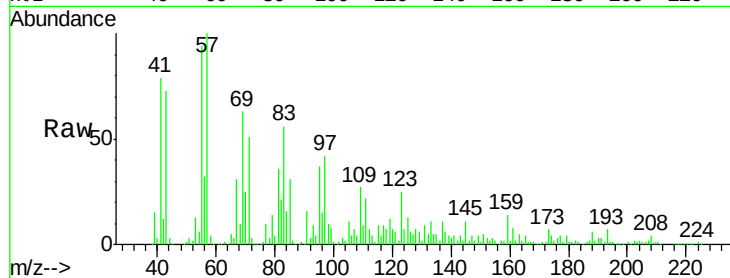
Tgt Ion:138 Resp: 19551

Ion Ratio Lower Upper

138 100

108 64.9 10.5 15.7#

92 49.8 103.9 155.9#



#53

2,4-Dinitrophenol

Concen: 4.07 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.06 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

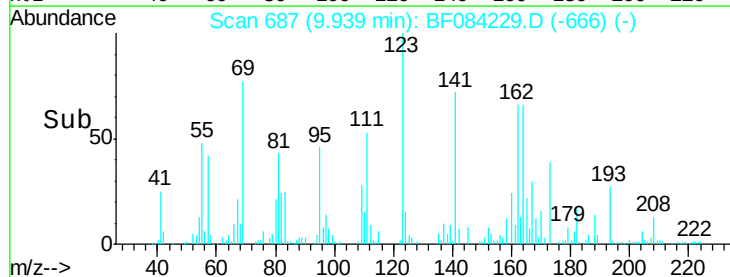
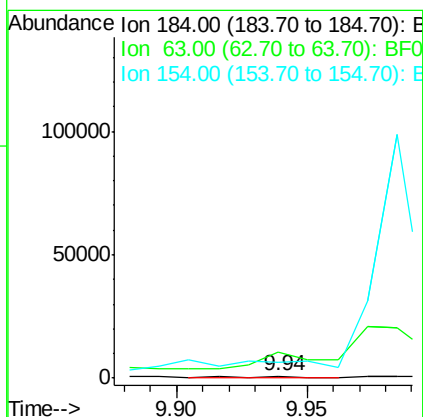
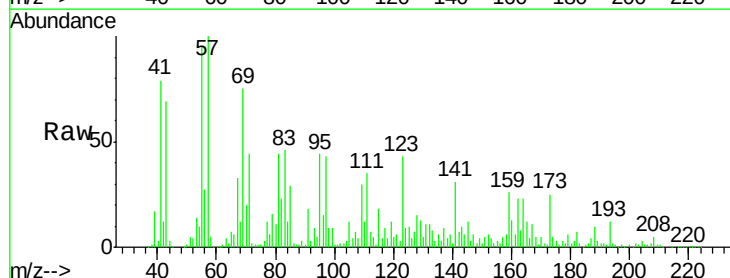
Tgt Ion:184 Resp: 1618

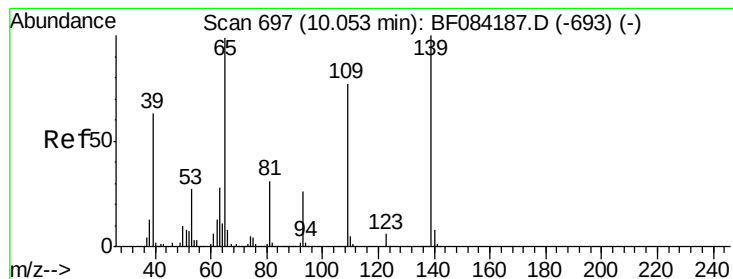
Ion Ratio Lower Upper

184 100

63 1543.2 43.1 64.7#

154 952.3 60.5 90.7#





#55

4-Nitrophenol

Concen: 12.56 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

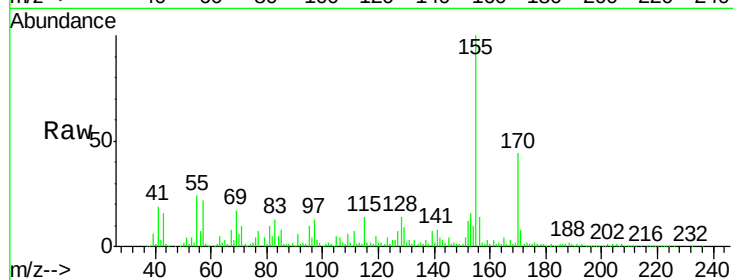
Tgt Ion:139 Resp: 79985

Ion Ratio Lower Upper

139 100

109 85.6 58.5 98.5

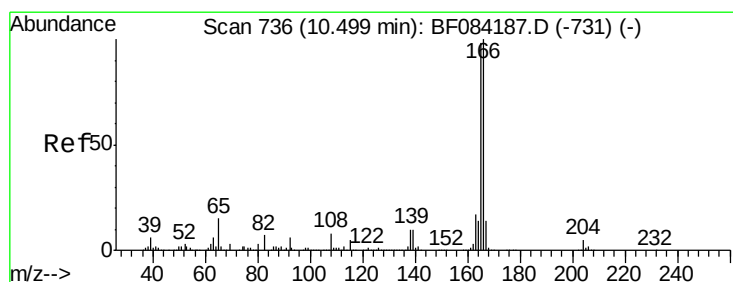
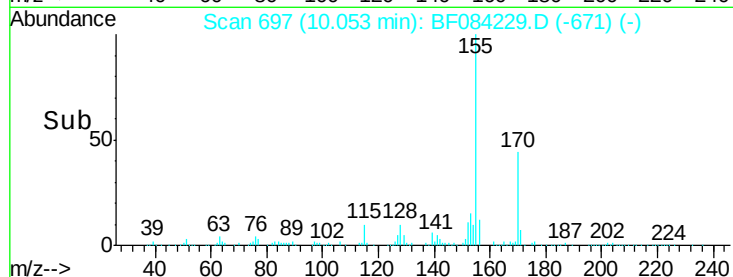
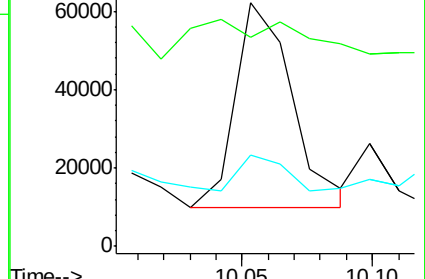
65 37.4 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 5.65 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

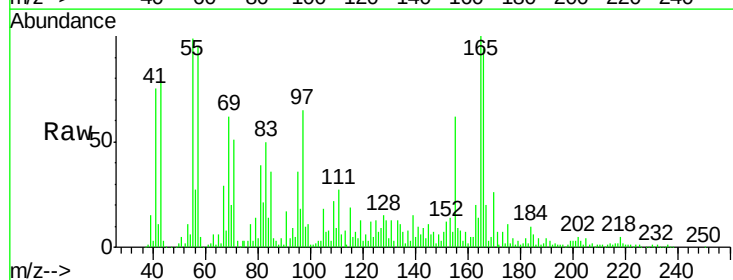
Tgt Ion:166 Resp: 216325

Ion Ratio Lower Upper

166 100

165 106.7 79.1 118.7

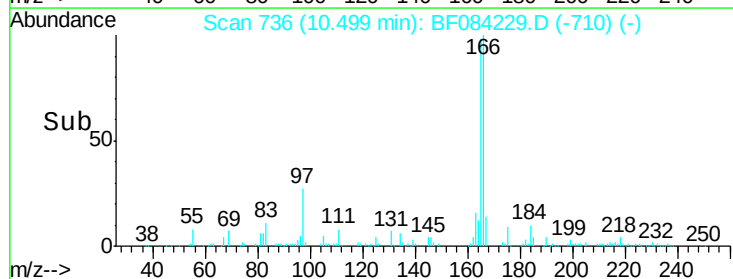
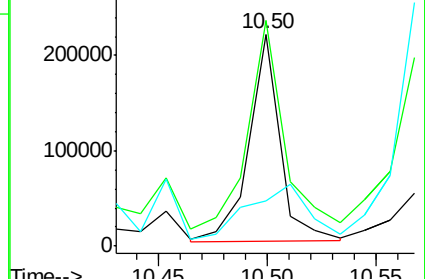
167 21.5 10.4 15.6#

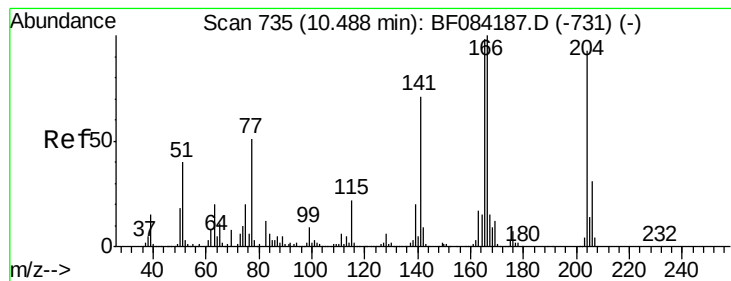


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.51 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

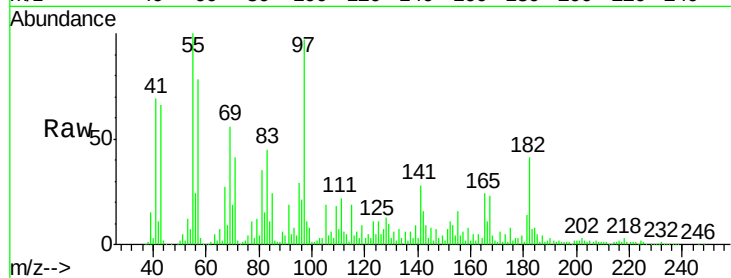
Tgt Ion:204 Resp: 2040

Ion Ratio Lower Upper

204 100

206 78.1 25.7 38.5#

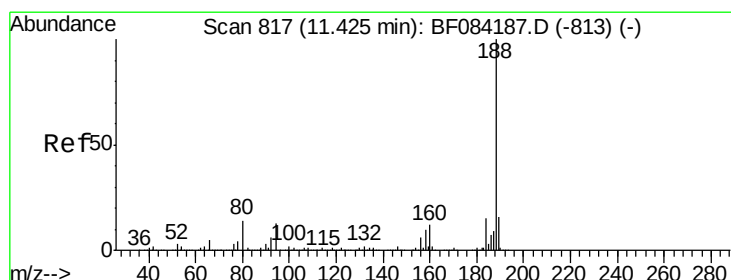
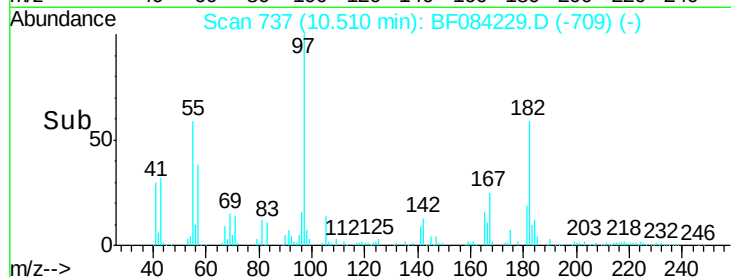
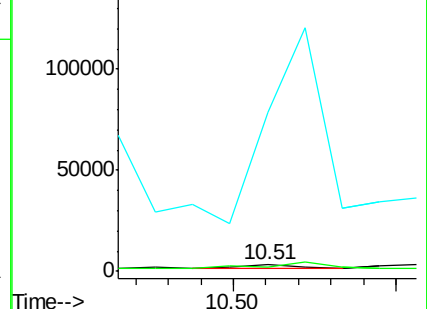
141 2543.5 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

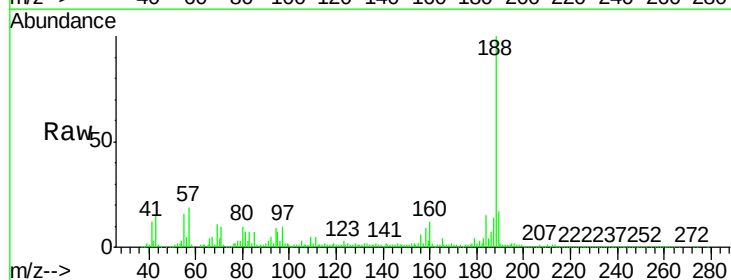
Tgt Ion:188 Resp: 788363

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

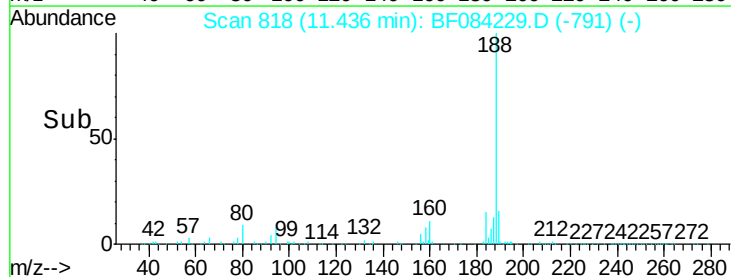
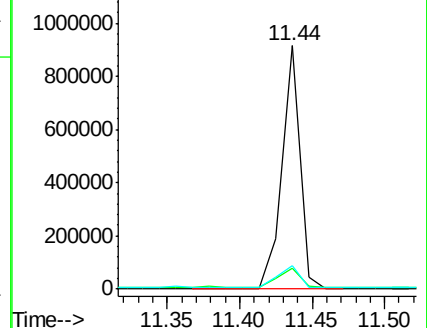
80 9.8 9.6 14.4

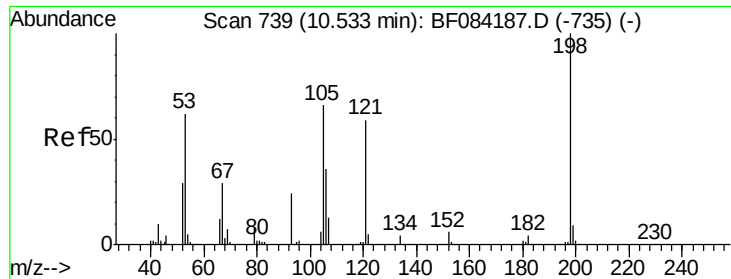


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.96 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.03 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

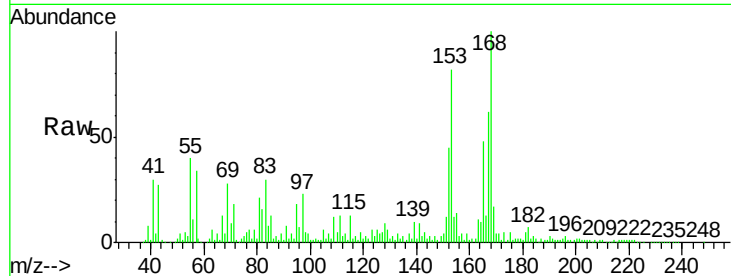
Tgt Ion:198 Resp: 3580

Ion Ratio Lower Upper

198 100

51 500.6 18.9 58.9#

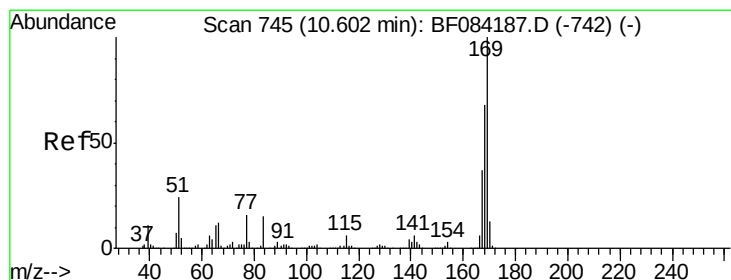
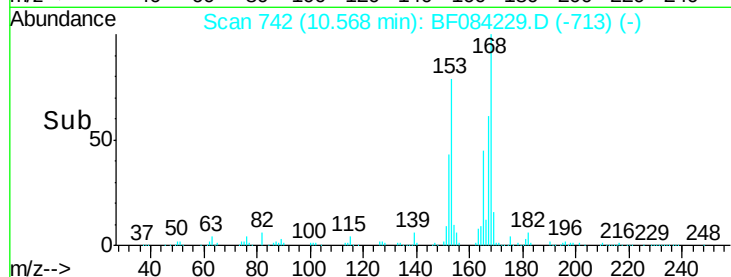
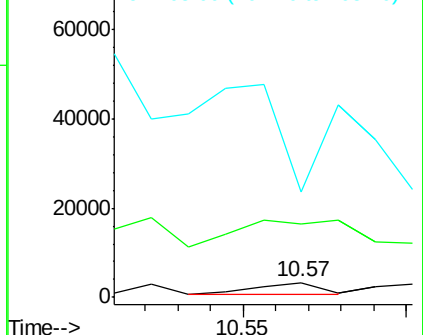
105 715.3 26.4 66.4#



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: 13.79 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.05 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

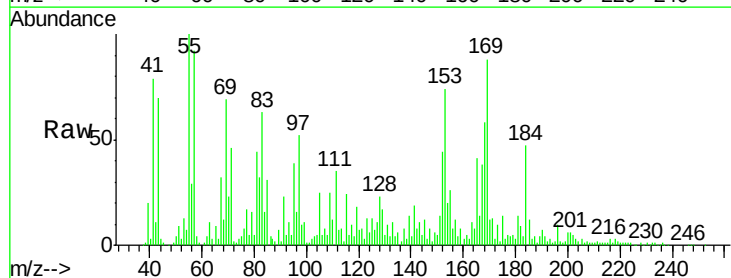
Tgt Ion:169 Resp: 347523

Ion Ratio Lower Upper

169 100

168 65.5 55.1 82.7

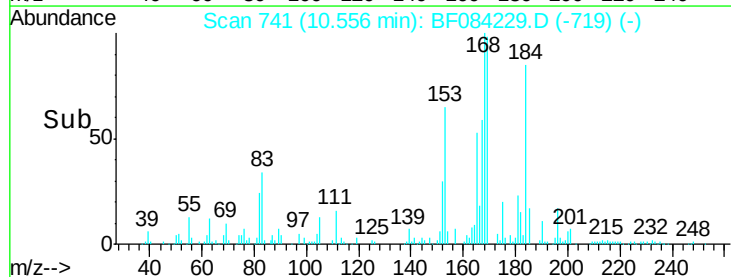
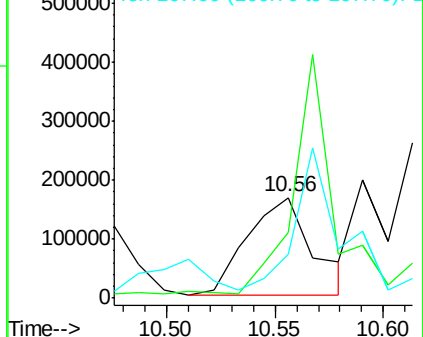
167 43.8 30.0 45.0

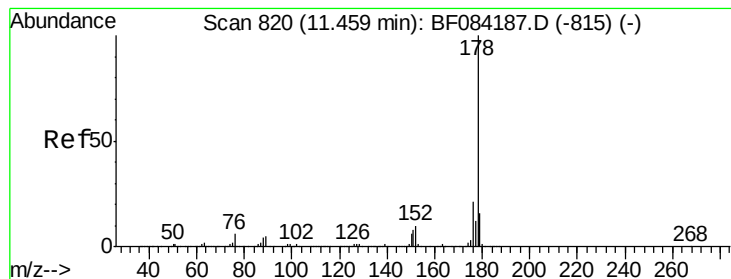


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 15.98 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

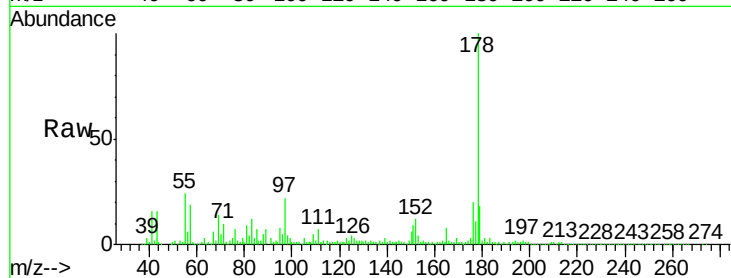
Tgt Ion:178 Resp: 658831

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

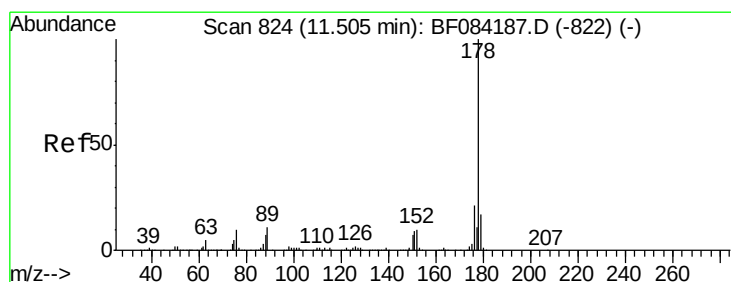
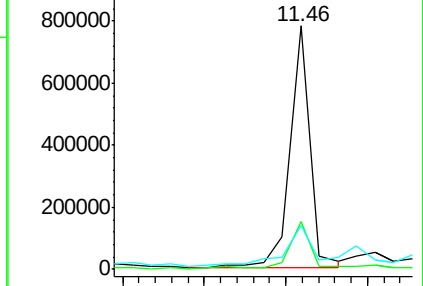
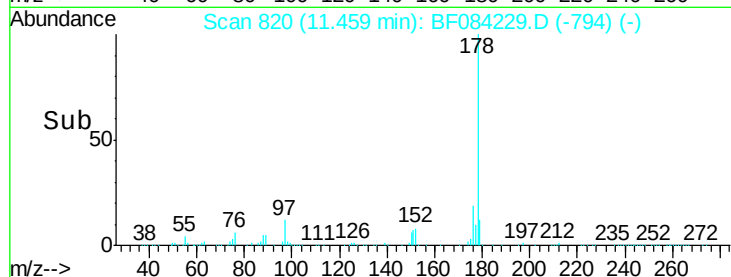
179 18.1 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 16.30 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.04 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

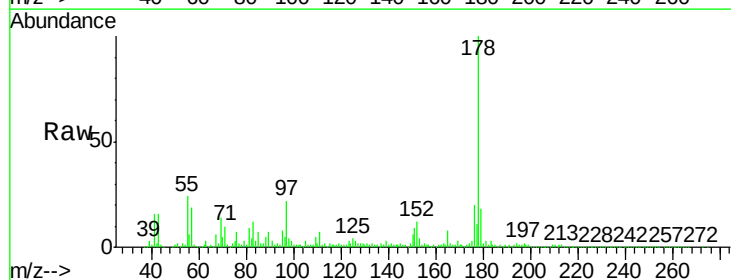
Tgt Ion:178 Resp: 658831

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

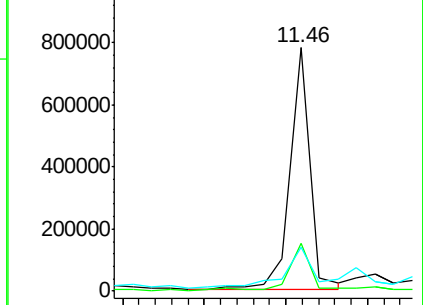
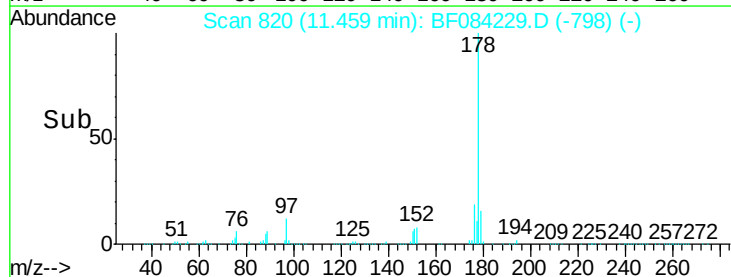
179 18.1 12.5 18.7

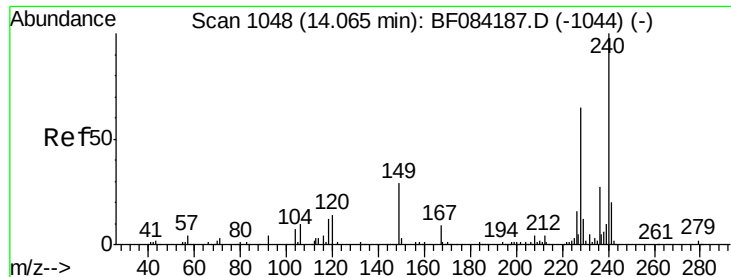


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

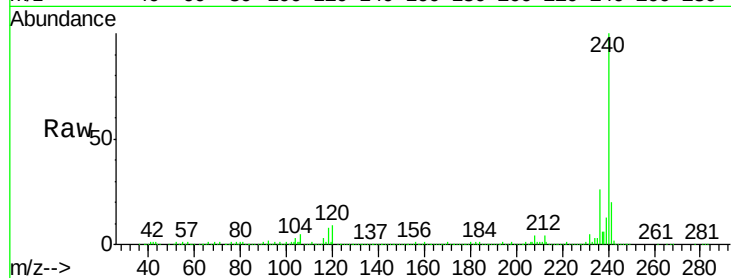
Tgt Ion:240 Resp: 641055

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

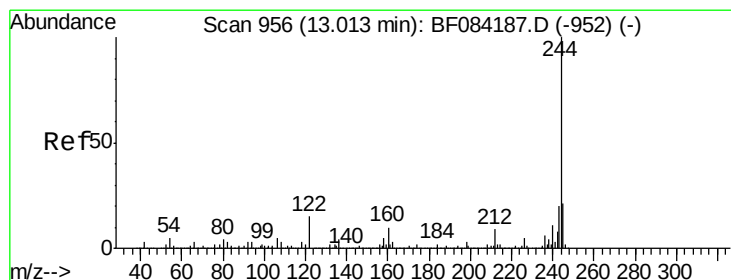
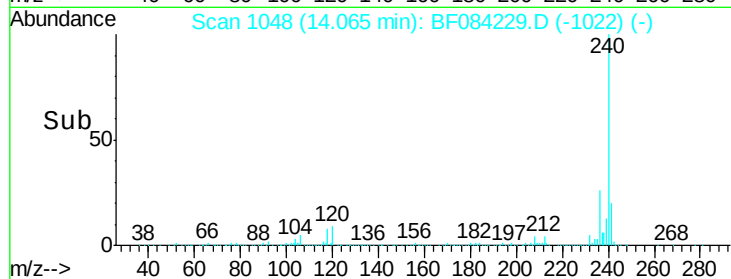
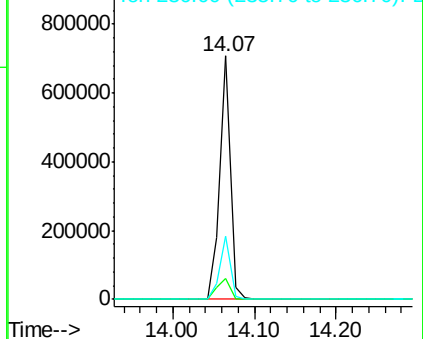
236 25.8 20.6 31.0



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: 2.15 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084229.D

Acq: 1 Jan 2016 7:07

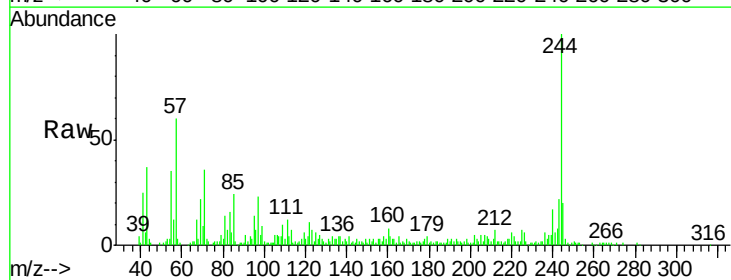
Tgt Ion:244 Resp: 61631

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

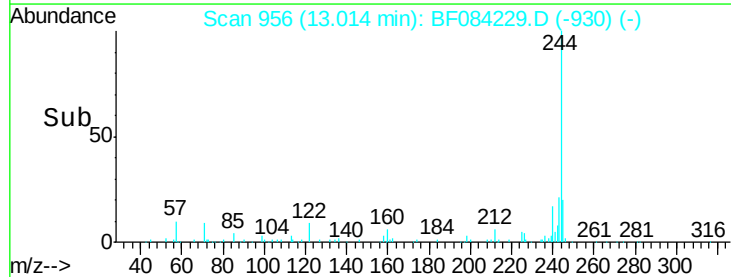
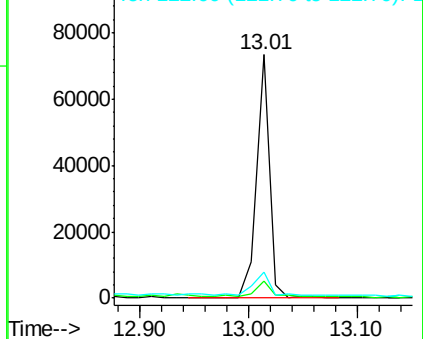
122 10.8 7.4 11.0

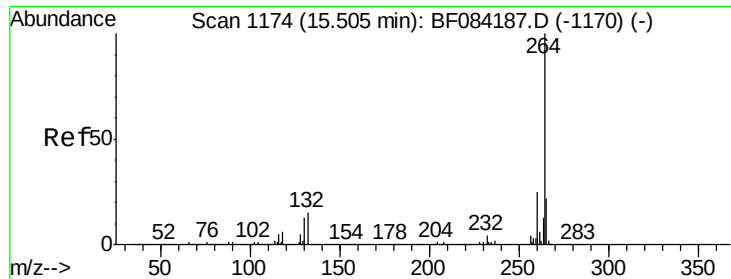


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF084229.D
Acq: 1 Jan 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PJ-SB-3(16.0-16.5)

Tgt Ion: 264 Resp: 574955
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.8 17.8 26.6

