

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

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

Quant Time: Jan 02 03:26:08 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

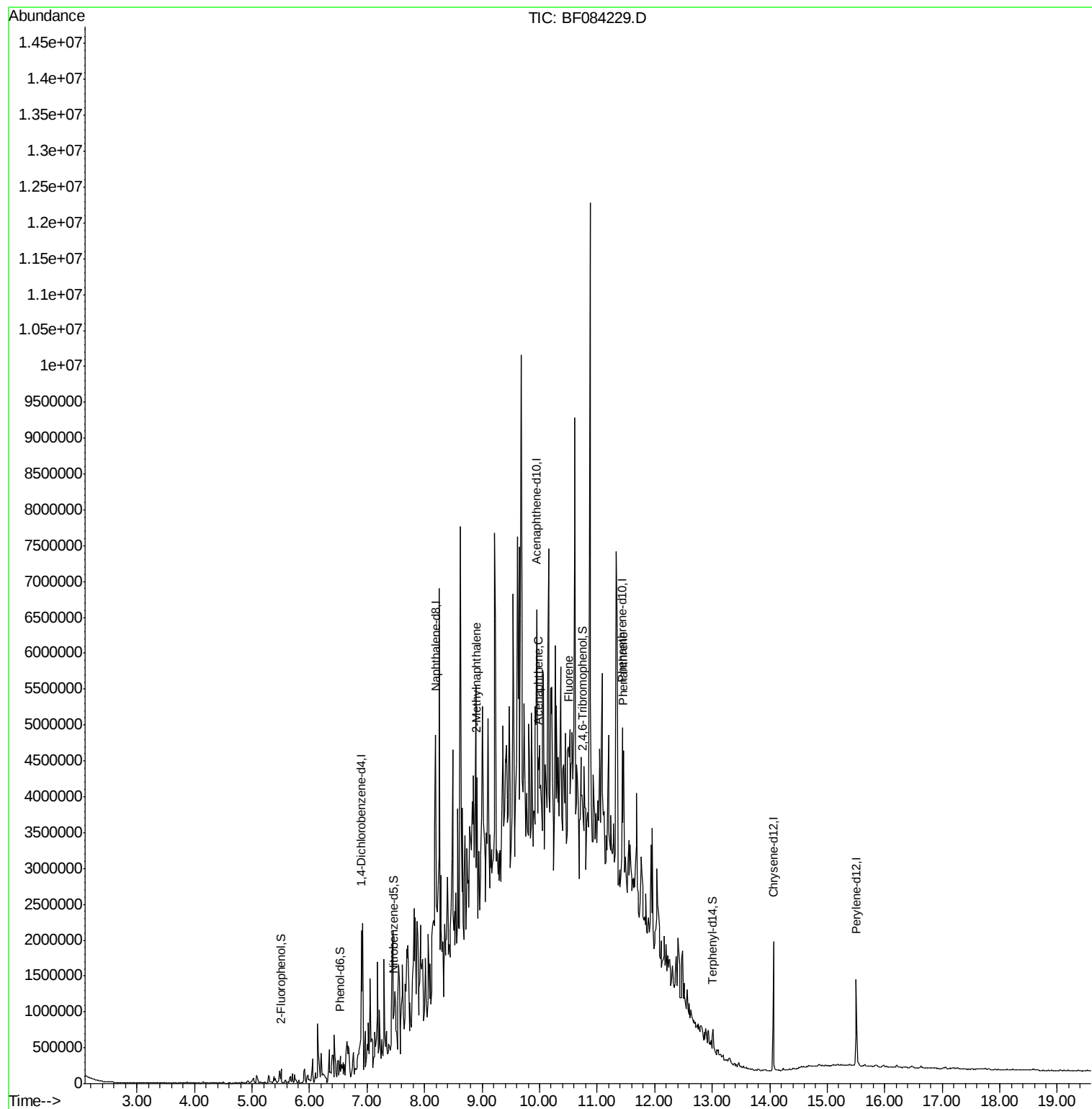
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	270336	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1000504	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	451447	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	788363	20.00	ng	0.01
75) Chrysene-d12	14.07	240	641055	20.00	ng	0.00
86) Perylene-d12	15.51	264	574955	20.00	ng	0.00
System Monitoring Compounds						
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						
37) 2-Methylnaphthalene	8.91	142	611614	18.77	ng	Qvalue 98
51) Acenaphthene	9.98	154	111542	3.99	ng	# 81
57) Fluorene	10.50	166	216325	5.65	ng	# 91
70) Phenanthrene	11.46	178	658831	15.98	ng	# 96

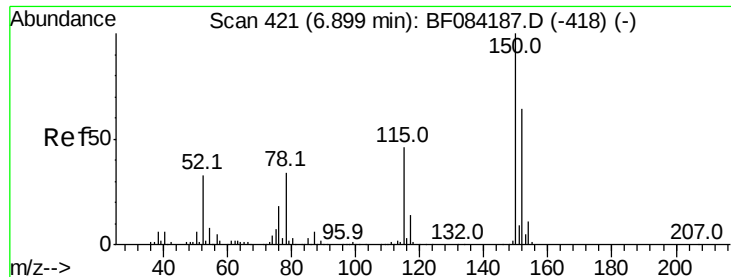
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

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)

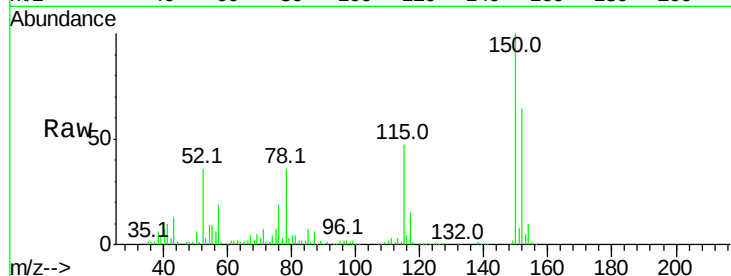
Tot Ion:152 Resp: 270336

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

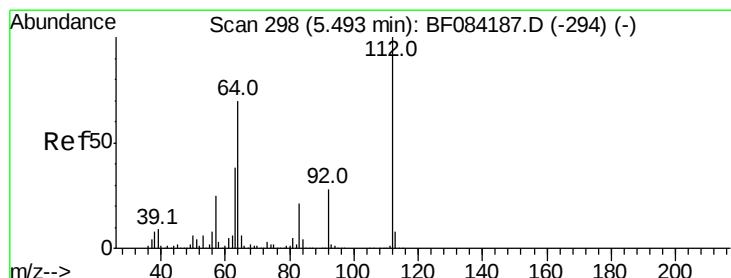
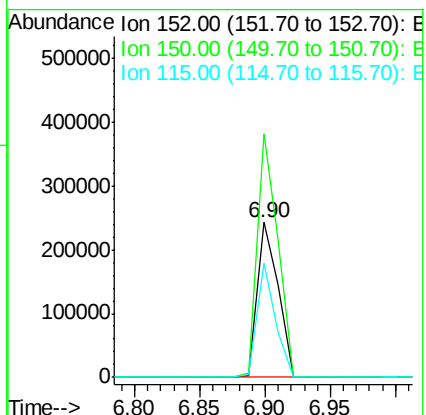
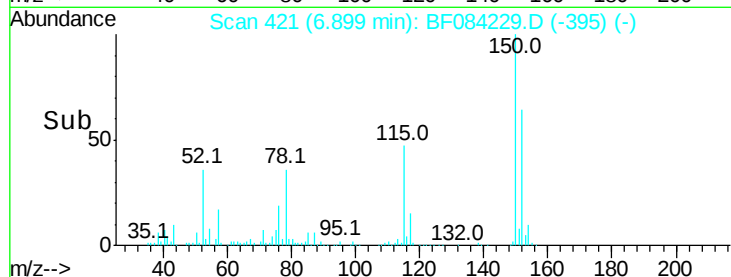
115 73.8 51.4 77.2



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

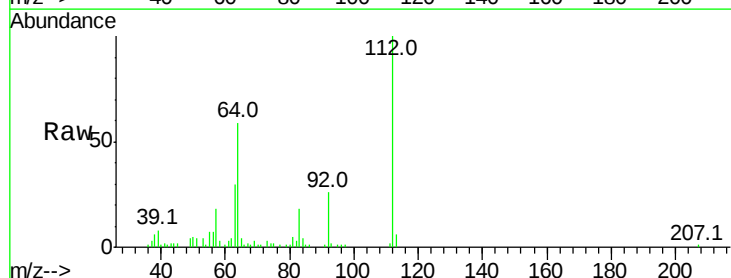
Tgt Ion:112 Resp: 47610

Ion Ratio Lower Upper

112 100

64 58.6 36.6 55.0#

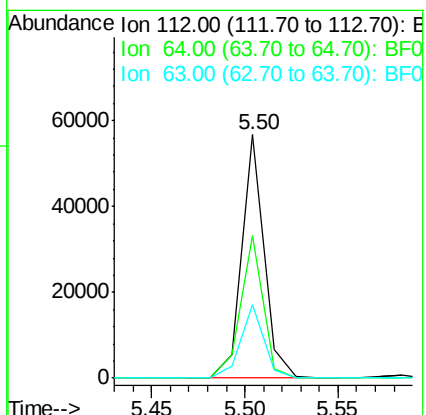
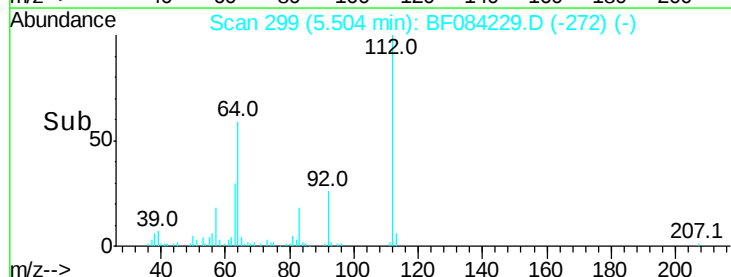
63 30.0 19.4 29.0#

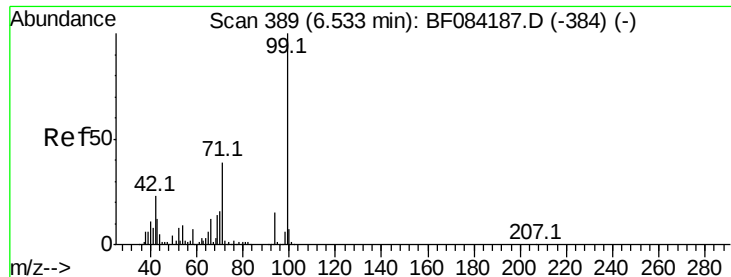


Abundance Ion 112.00 (111.70 to 112.70): E

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)

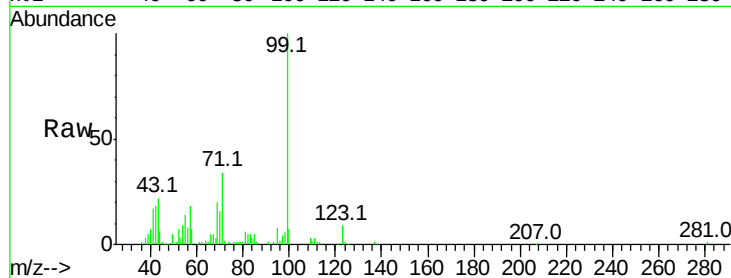
Tot Ion: 99 Resp: 72901

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

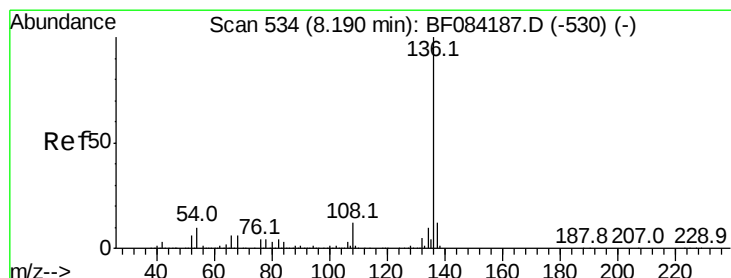
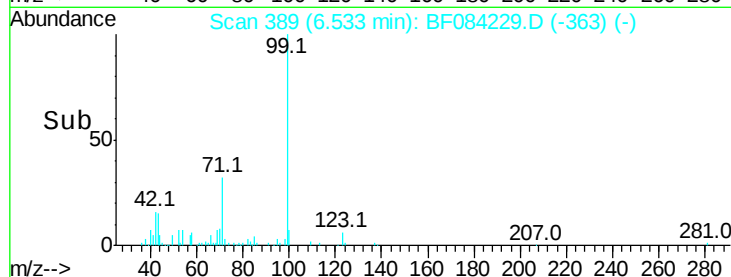
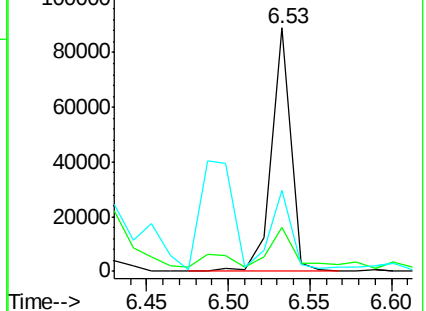
71 33.6 30.9 46.3



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



#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

Tgt Ion:136 Resp: 1000504

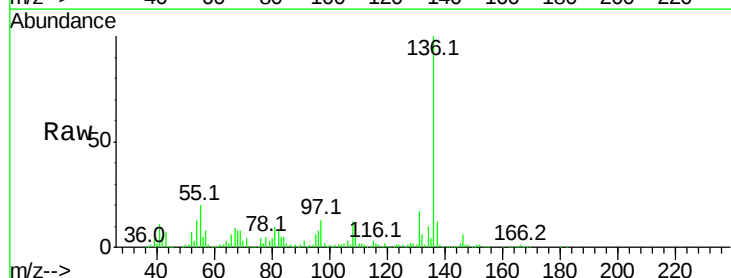
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 12.6 5.8 8.8#

68 7.8 4.2 6.2#

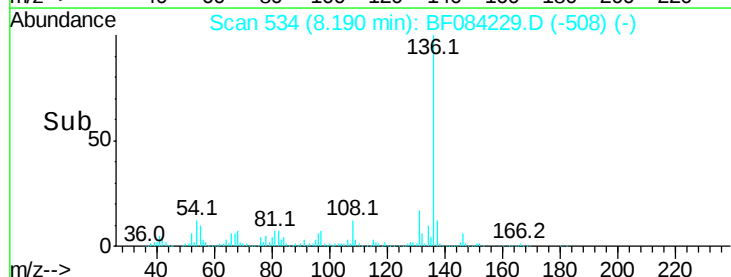
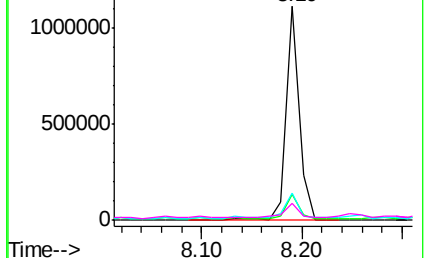


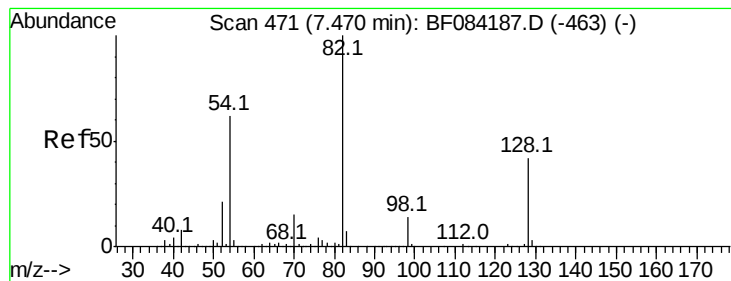
Abundance Ion 136.00 (135.70 to 136.70): E

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





#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

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

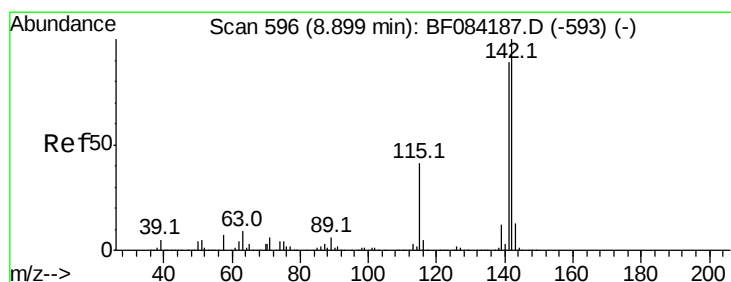
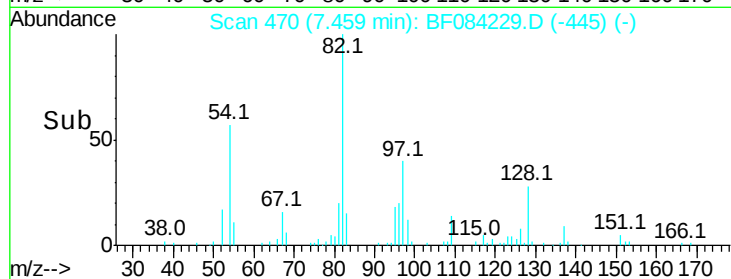
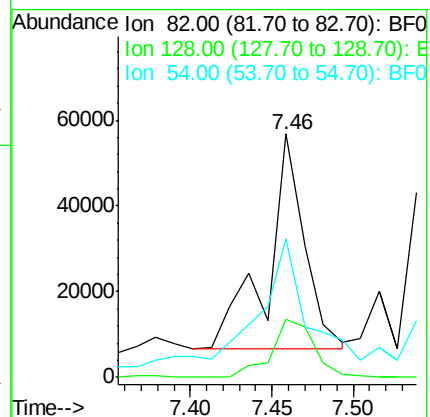
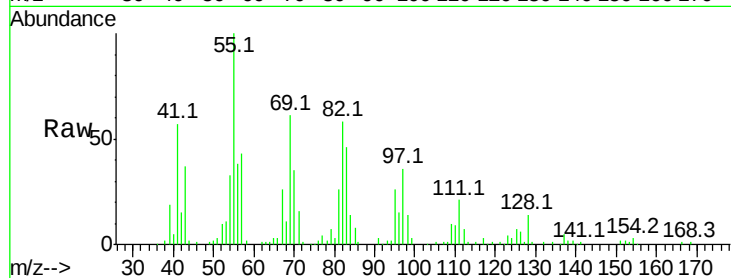
Tot Ion: 82 Resp: 78323

Ion Ratio Lower Upper

82 100

128 24.1 34.6 51.8#

54 56.9 38.4 57.6



#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

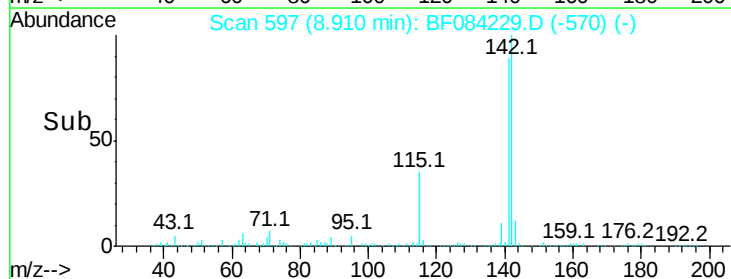
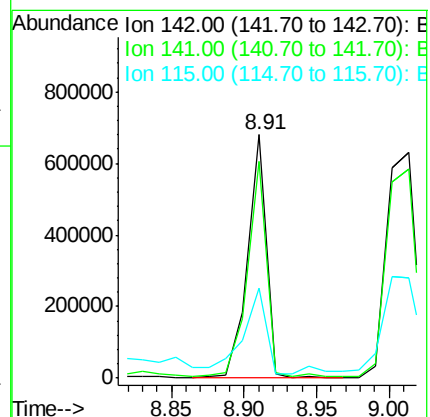
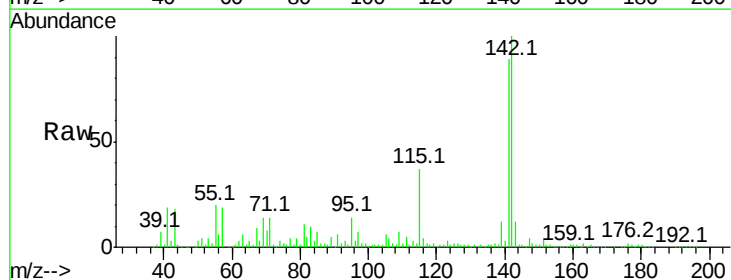
Tgt Ion: 142 Resp: 611614

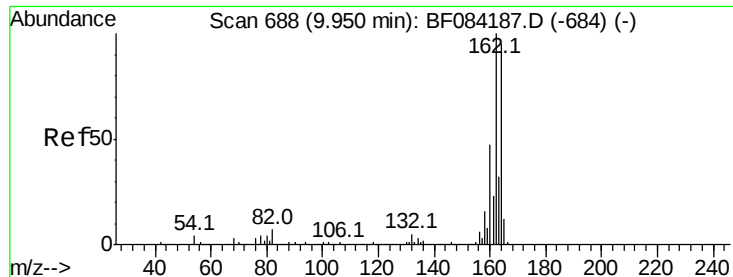
Ion Ratio Lower Upper

142 100

141 89.1 72.4 108.6

115 36.8 27.9 41.9





#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

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

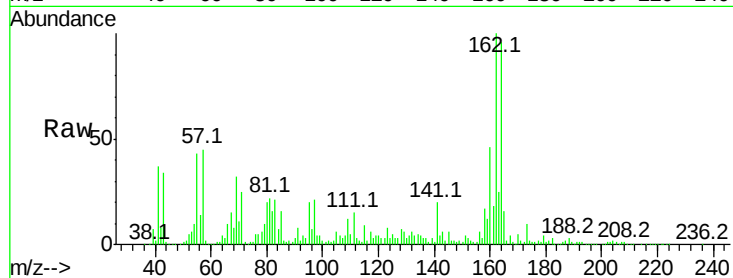
Tot Ion:164 Resp: 451447

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

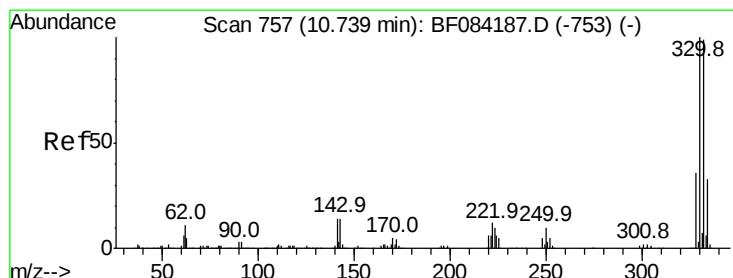
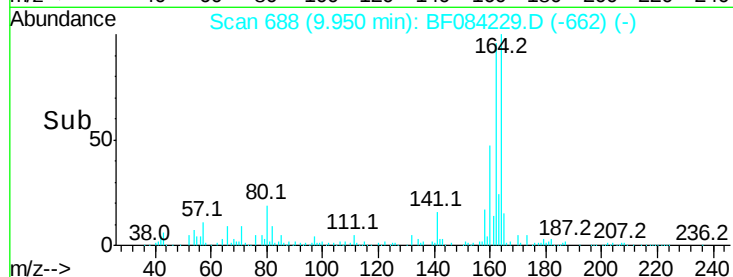
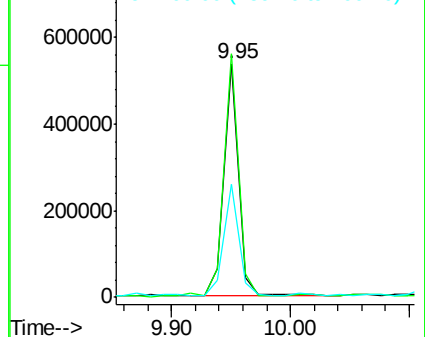
160 48.2 37.5 56.3



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

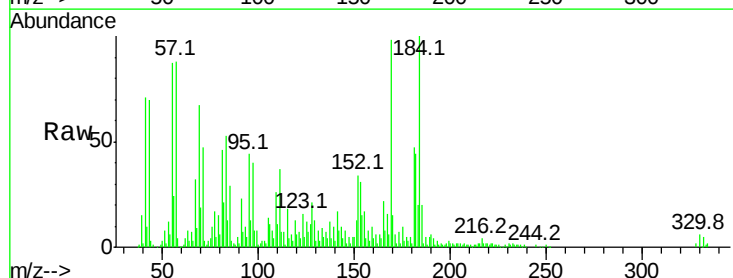
Tgt Ion:330 Resp: 9371

Ion Ratio Lower Upper

330 100

332 90.2 76.6 114.8

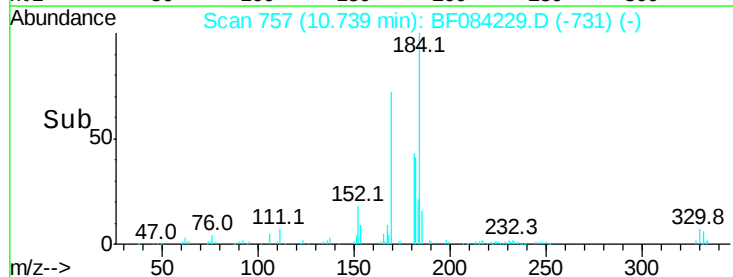
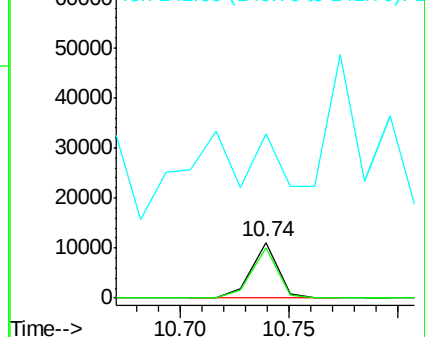
141 0.0 27.8 41.6#

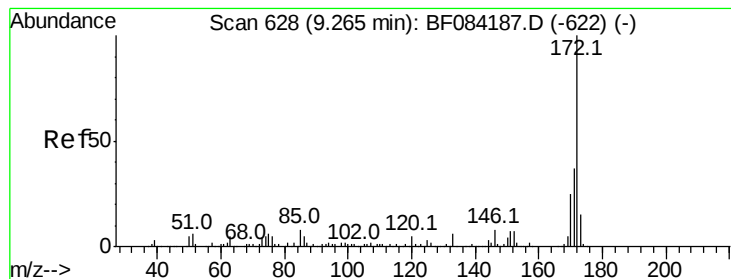


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

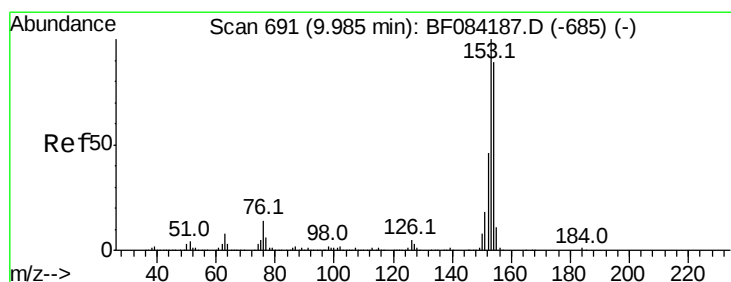
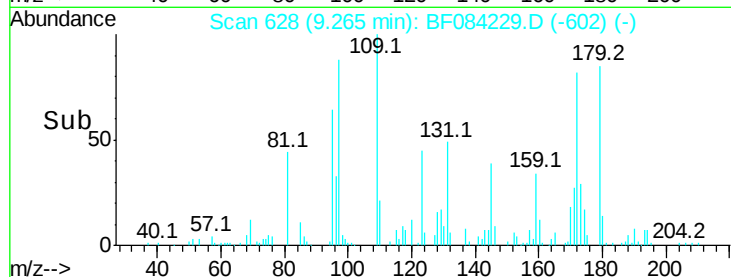
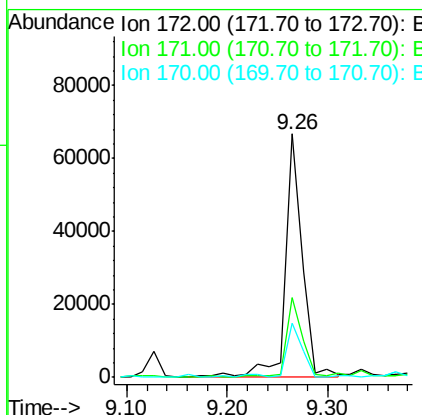
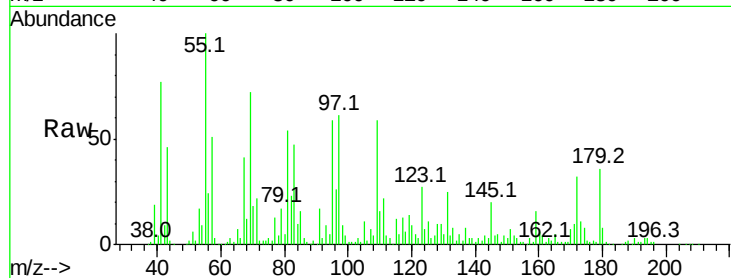




#44
 2-Fluorobiphenyl
 Concen: -3.58 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084229.D
 Acq: 1 Jan 2016 7:07

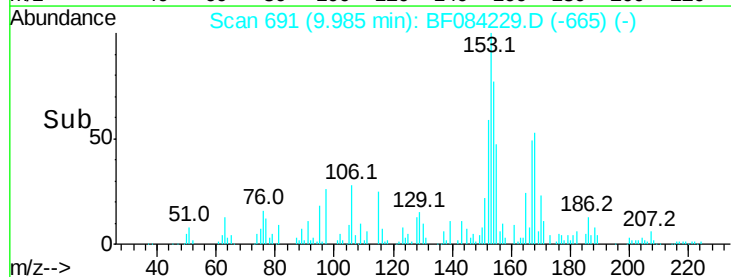
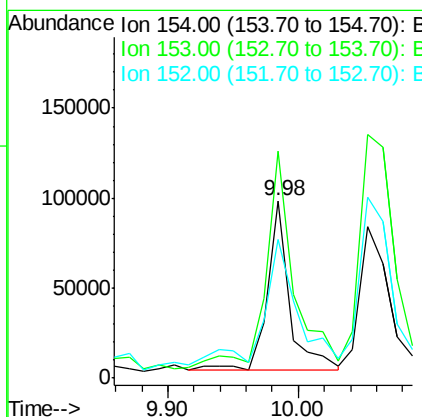
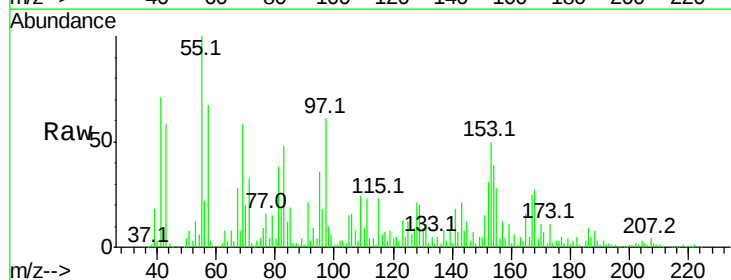
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-3(16.0-16.5)

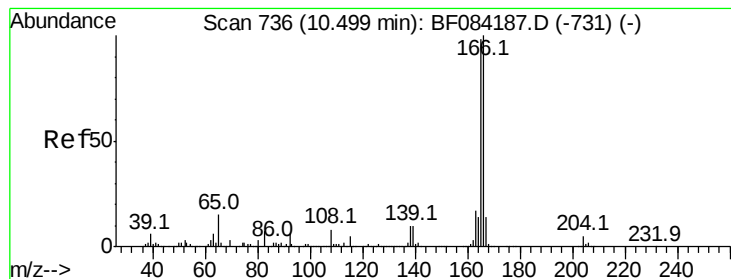
Tot Ion:172 Resp: 77453
 Ion Ratio Lower Upper
 172 100
 171 32.5 28.9 43.3
 170 22.0 18.6 27.8



#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#





#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

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

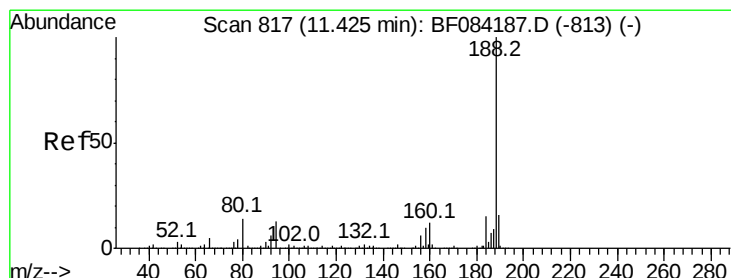
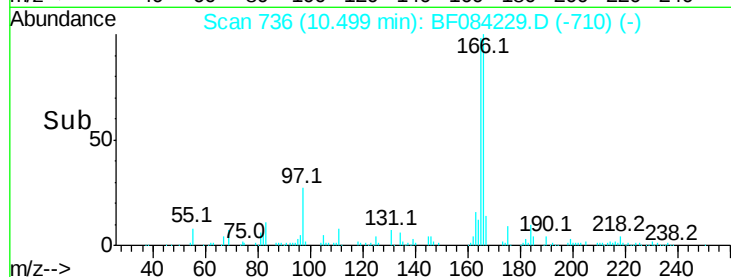
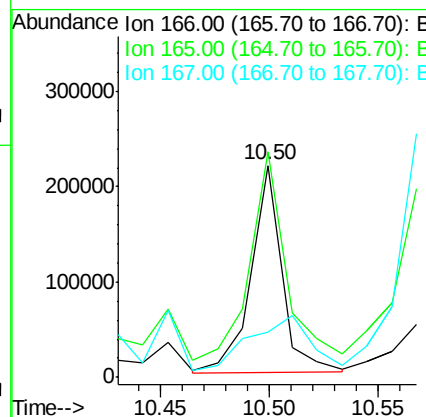
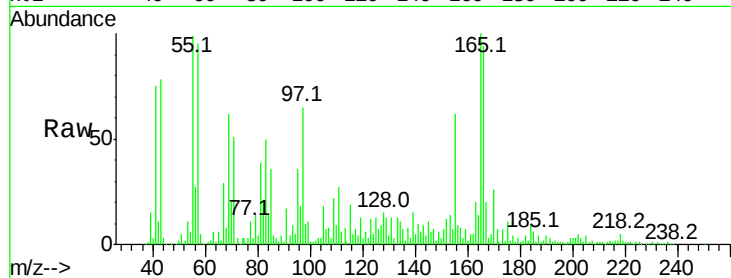
Tot Ion:166 Resp: 216325

Ion Ratio Lower Upper

166 100

165 106.7 79.1 118.7

167 21.5 10.4 15.6#



#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

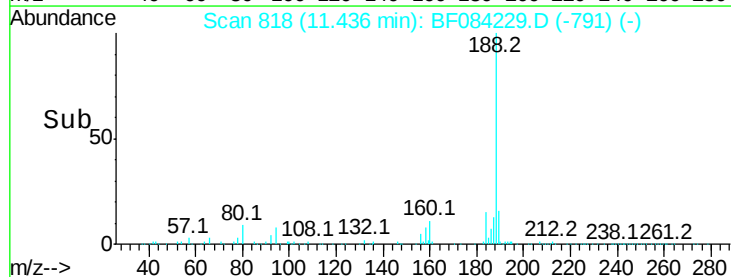
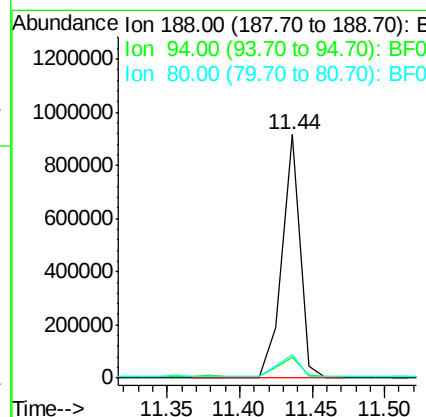
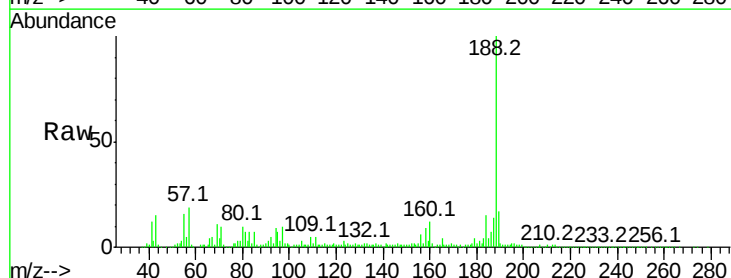
Tgt Ion:188 Resp: 788363

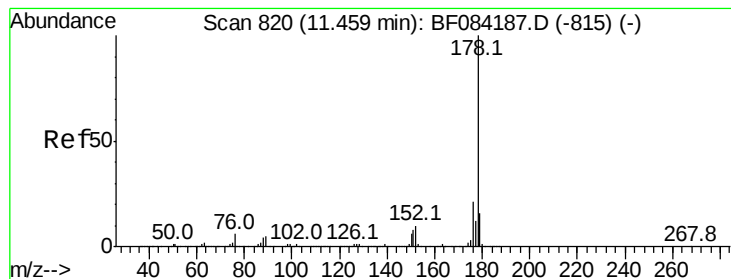
Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

80 9.8 9.6 14.4





#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)

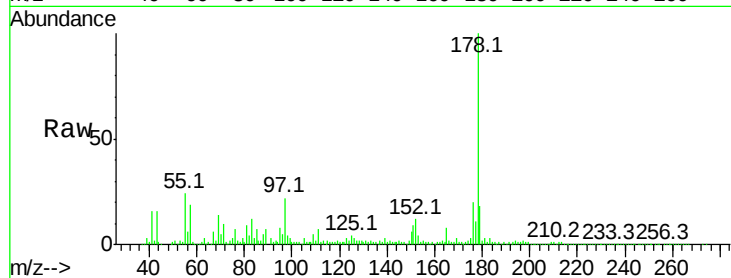
Tot Ion:178 Resp: 658831

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

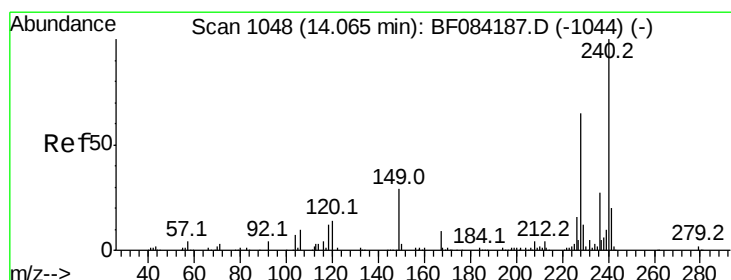
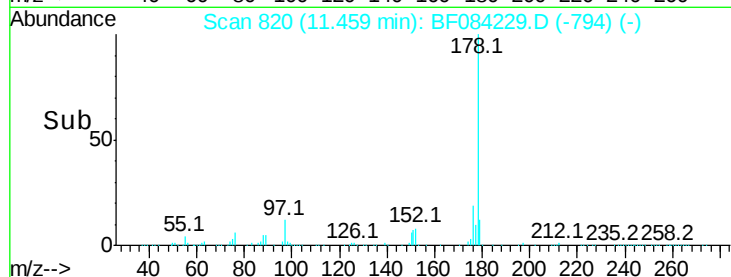
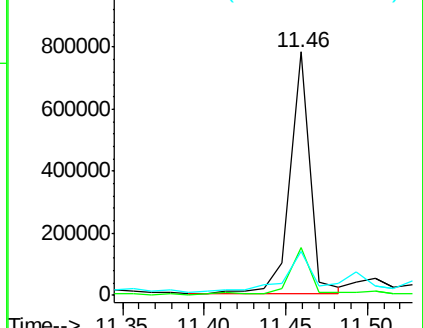
179 18.1 12.0 18.0#



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



#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

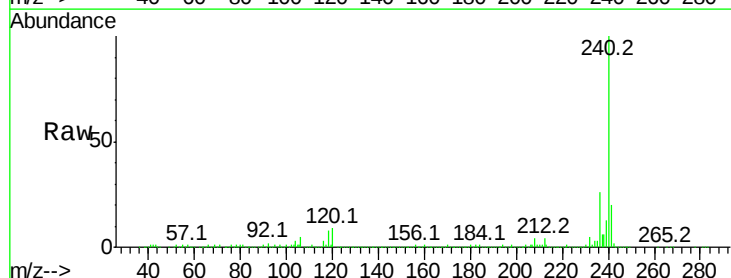
Tgt Ion:240 Resp: 641055

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

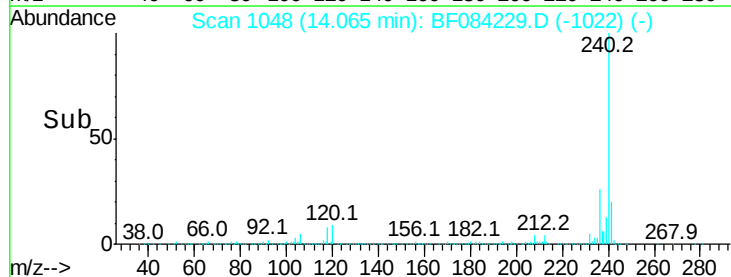
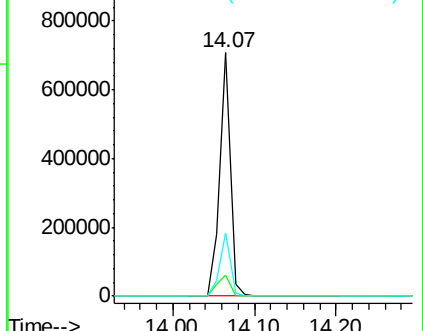
236 25.8 20.6 31.0

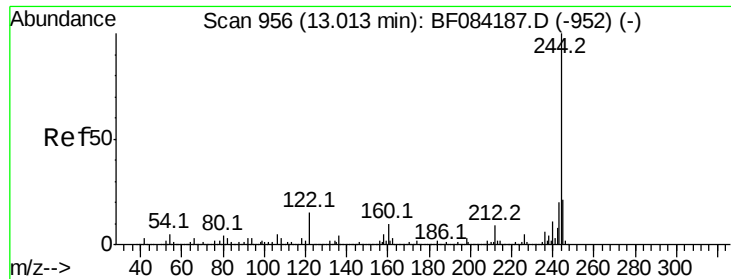


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

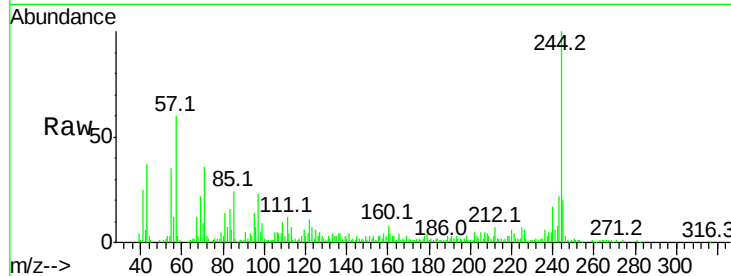
Tot Ion:244 Resp: 61631

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

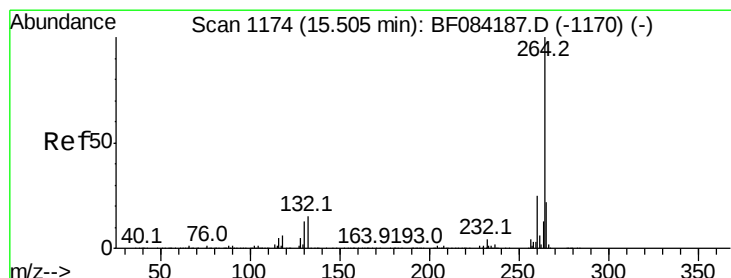
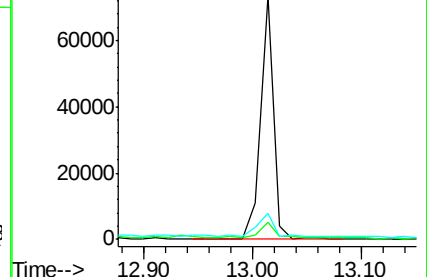
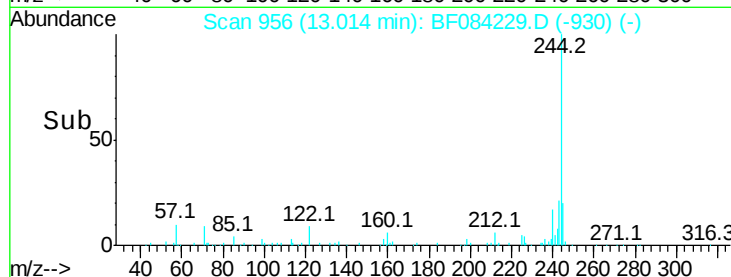
122 10.8 7.4 11.0



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

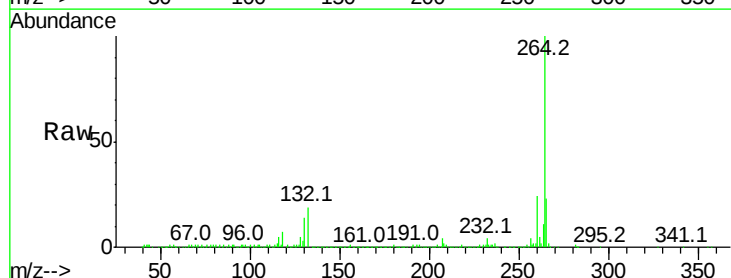
Tgt Ion:264 Resp: 574955

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.8 17.8 26.6



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

