

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
 Data File : BF082529.D
 Acq On : 27 Oct 2015 4:08
 Operator : UM/IZ
 Sample : G4116-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Quant Time: Oct 27 07:04:27 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

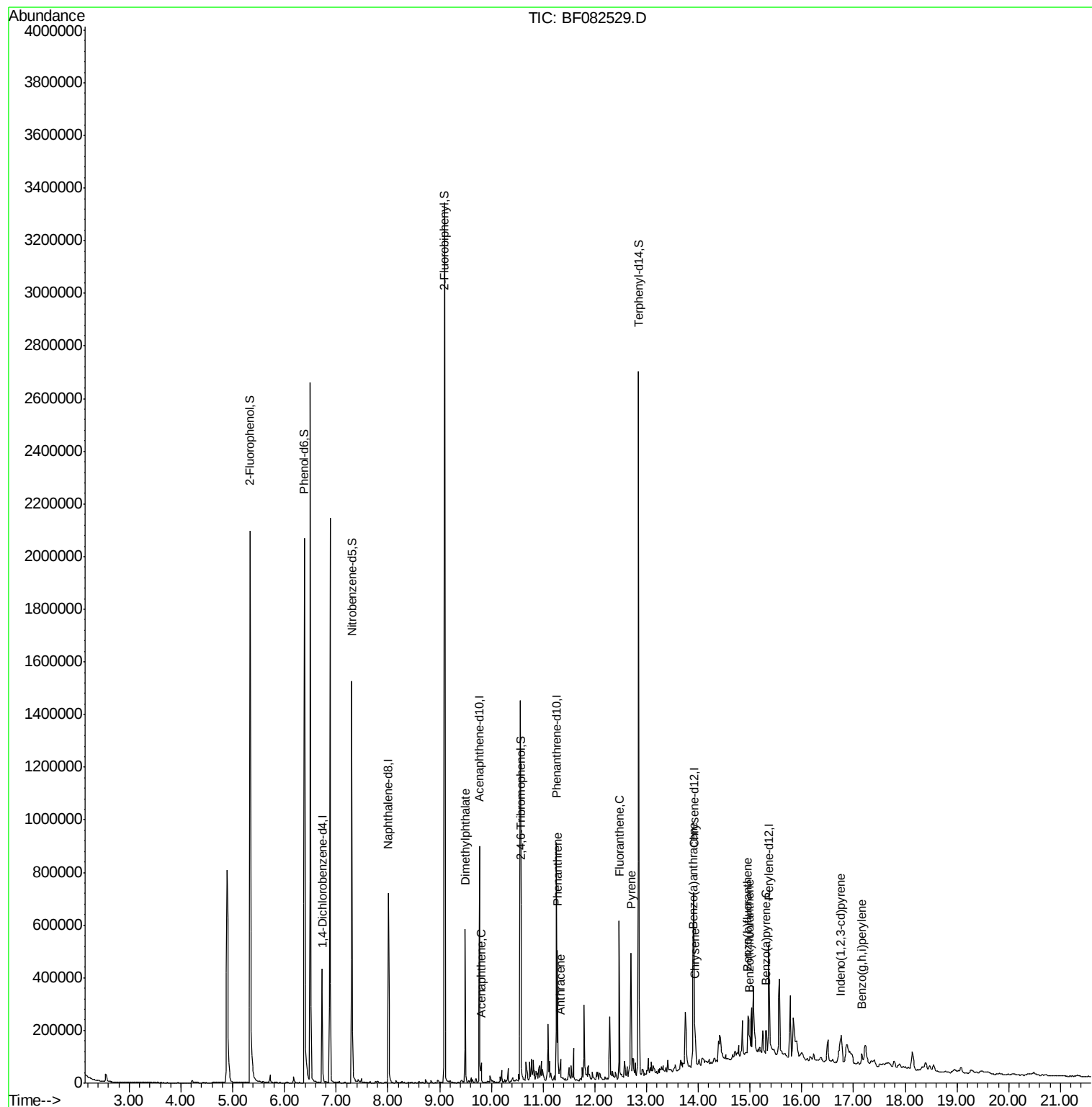
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	98105	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	374682	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	188929	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	337073	20.00	ng	0.00
75) Chrysene-d12	13.91	240	229979	20.00	ng	0.00
86) Perylene-d12	15.36	264	196975	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	681027	137.04	ng	0.02
7) Phenol-d6	6.39	99	859222	132.66	ng	0.01
23) Nitrobenzene-d5	7.30	82	552356	95.10	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	188614	133.32	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1061692	89.36	ng	0.00
78) Terphenyl-d14	12.85	244	857696	107.44	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	248313	18.89	ng	100
51) Acenaphthene	9.81	154	21663	2.13	ng	96
70) Phenanthrene	11.28	178	180943	10.43	ng	99
71) Anthracene	11.34	178	46173	2.64	ng	98
74) Fluoranthene	12.47	202	239775	13.47	ng	97
77) Pyrene	12.70	202	203563	14.39	ng	98
80) Benzo(a)anthracene	13.90	228	87572	7.10	ng	98
82) Chrysene	13.93	228	68151	5.85	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	42058	3.93	ng	92
87) Benzo(b)fluoranthene	14.96	252	92713m	7.93	ng	
88) Benzo(k)fluoranthene	15.00	252	29653m	3.11	ng	
89) Benzo(a)pyrene	15.32	252	60749	5.99	ng	# 93
91) Benzo(a,h,i)perylene	17.16	276	46165	5.50	ng	# 94

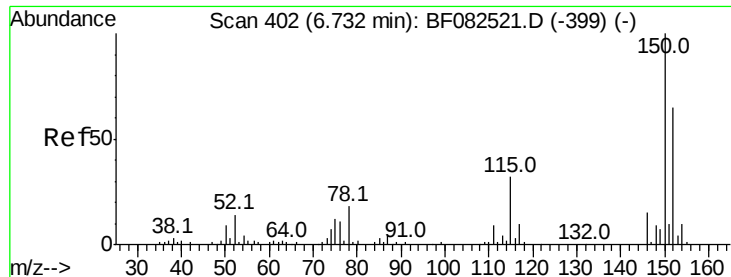
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

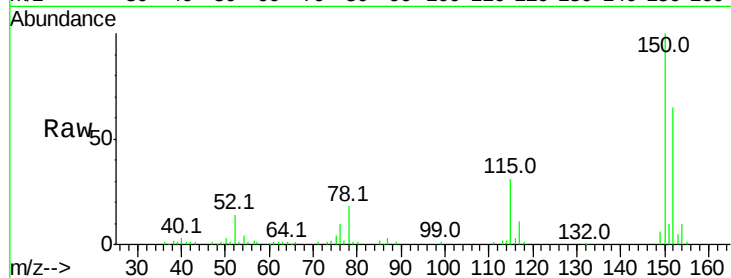
Tot Ion:152 Resp: 98105

Ion Ratio Lower Upper

152 100

150 154.5 123.4 185.0

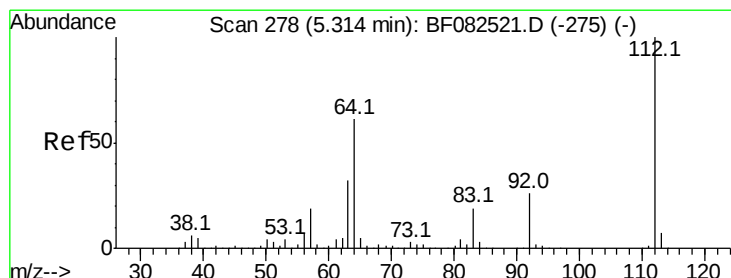
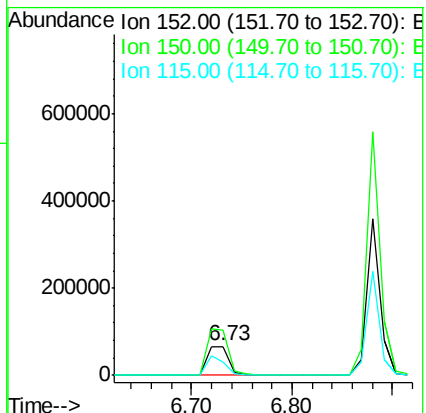
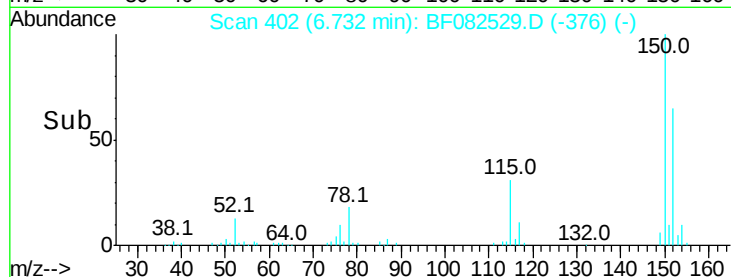
115 47.5 39.0 58.4



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: 137.04 ng

RT: 5.34 min Scan# 280

Delta R.T. 0.02 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

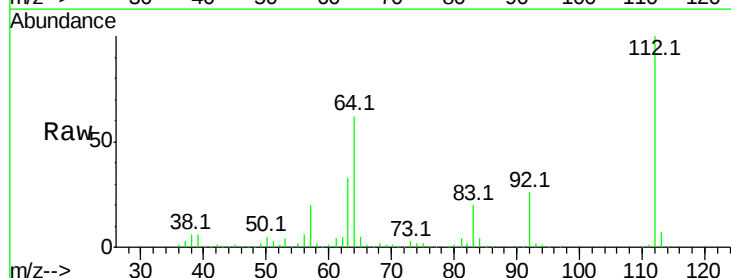
Tgt Ion:112 Resp: 681027

Ion Ratio Lower Upper

112 100

64 62.3 49.0 73.4

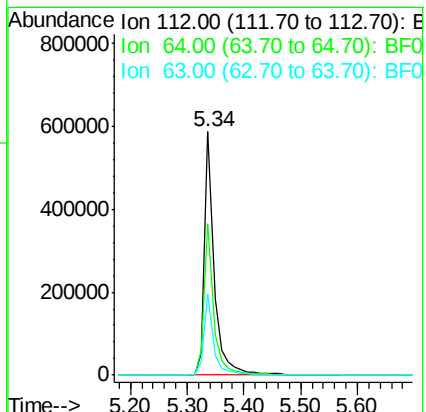
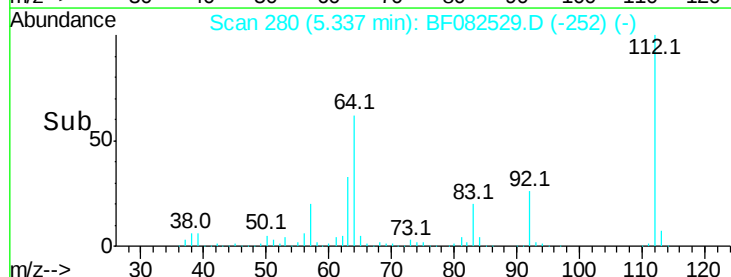
63 33.0 25.8 38.6

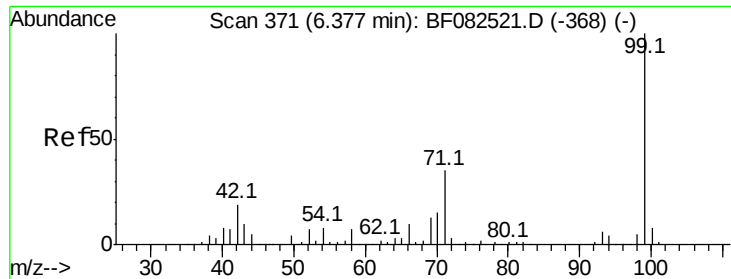


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.66 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

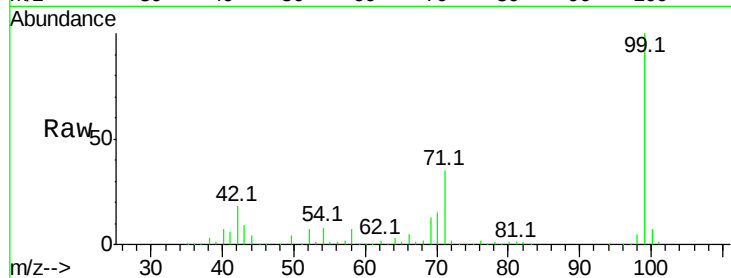
Tot Ion: 99 Resp: 859222

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

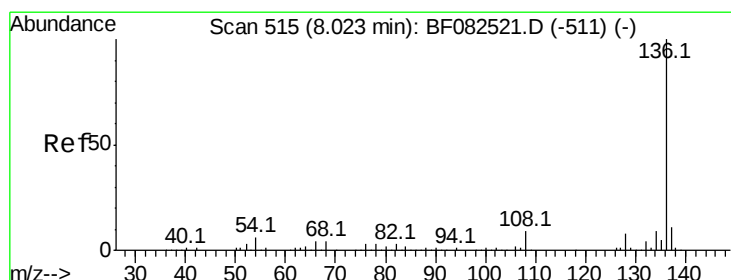
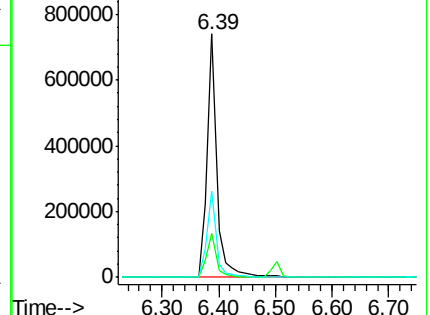
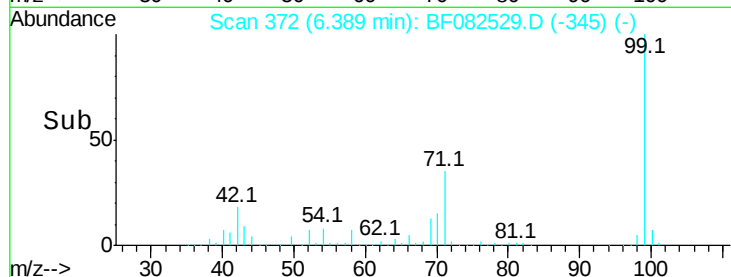
71 35.5 28.2 42.2



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: 8.01 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Tgt Ion:136 Resp: 374682

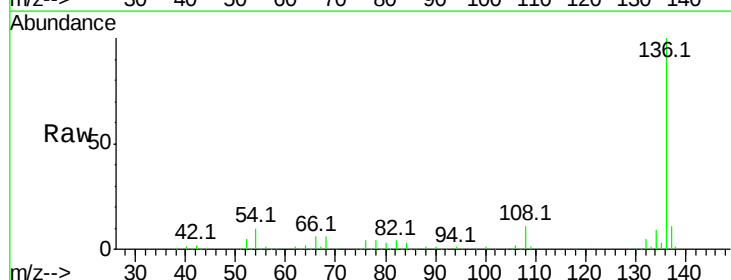
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.7 4.6 7.0#

68 5.9 3.2 4.8#

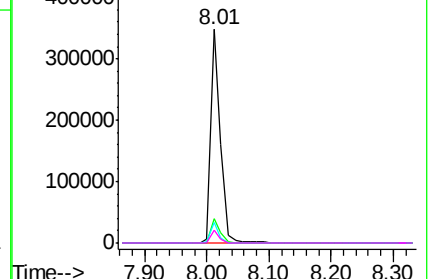
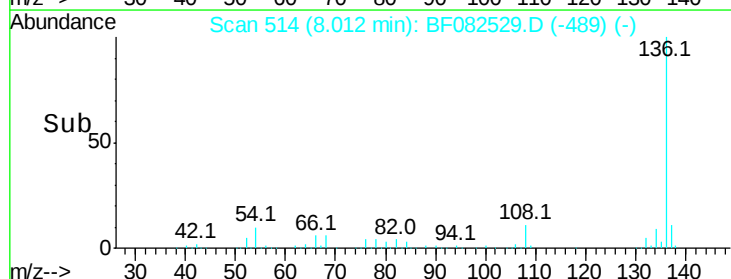


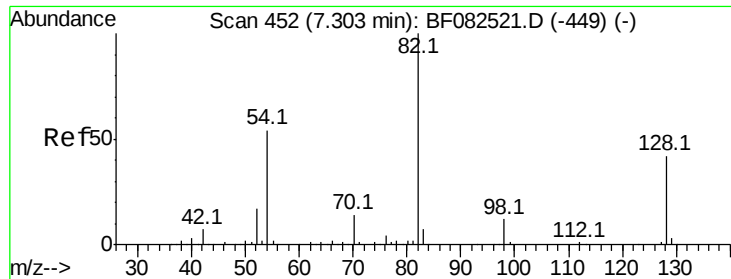
Abundance Ion 136.00 (135.70 to 136.70): E

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

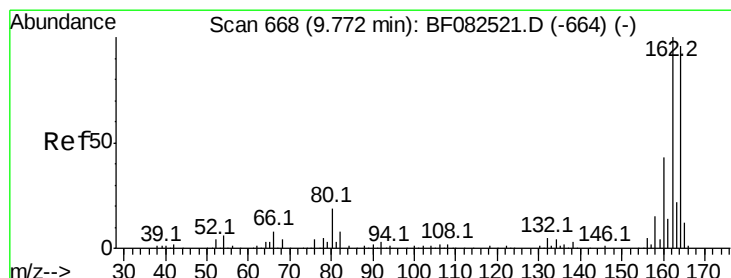
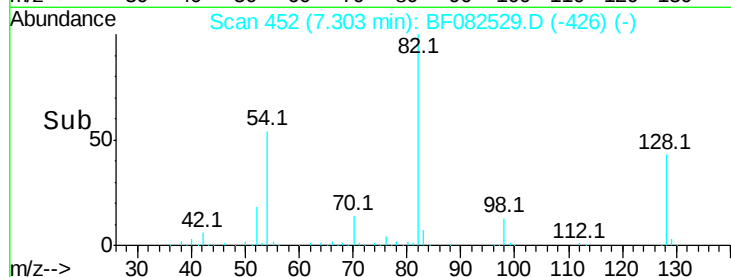
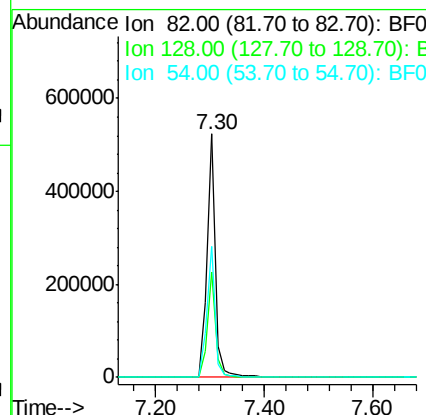
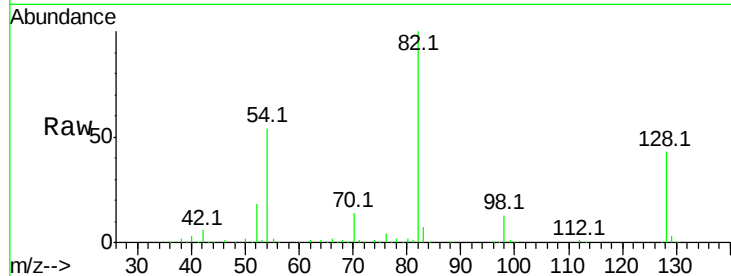




#23
 Nitrobenzene-d5
 Concen: 95.10 ng
 RT: 7.30 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: BF082529.D
 Acq: 27 Oct 2015 4:08

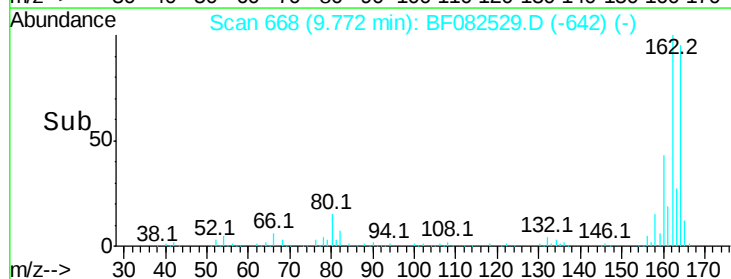
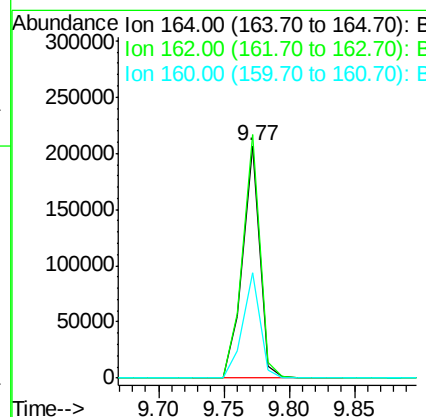
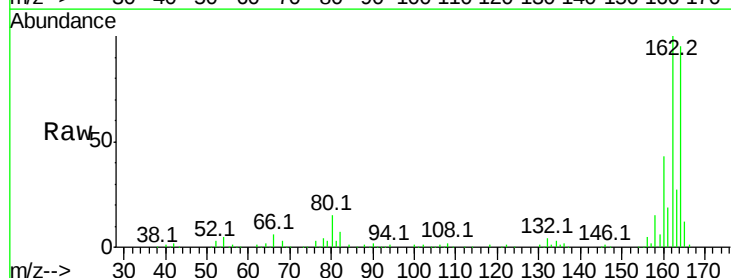
Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

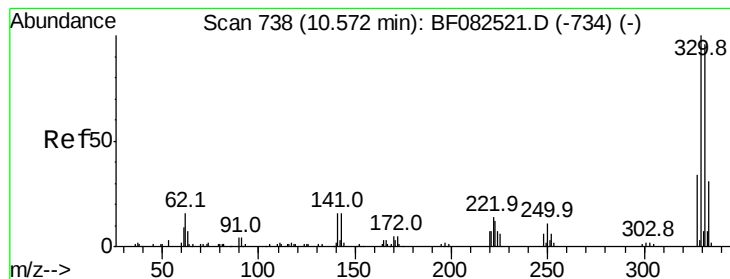
Tot Ion	82	Resp	552356
Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	54.0	43.5	65.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF082529.D
 Acq: 27 Oct 2015 4:08

Tgt Ion	164	Resp	188929
Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.6	125.4
160	45.2	36.0	54.0

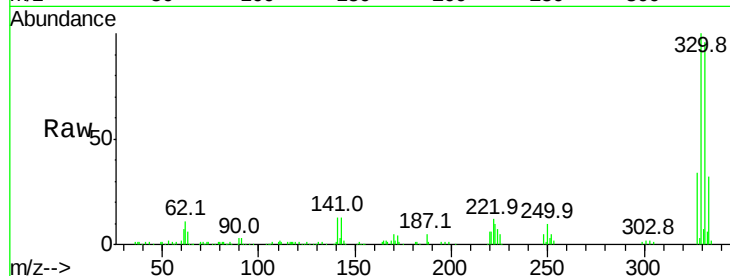




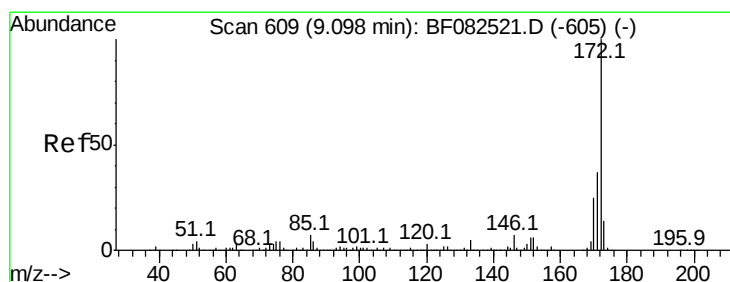
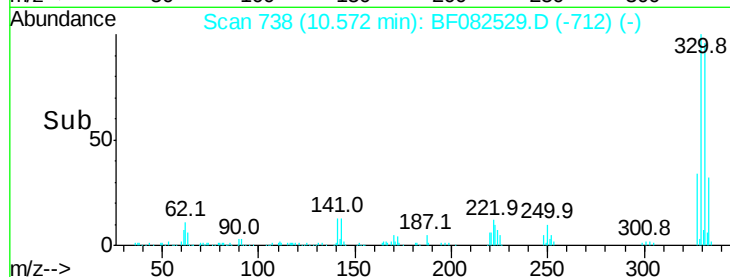
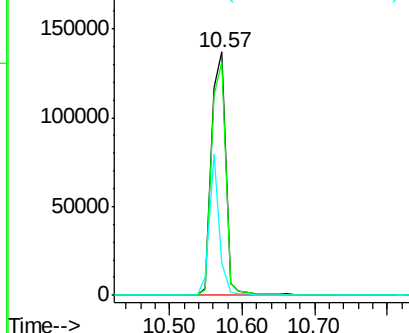
#41
 2,4,6-Tribromophenol
 Concen: 133.32 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082529.D
 Acq: 27 Oct 2015 4:08

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Tot Ion:330 Resp: 188614
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.0
 141 41.0 32.5 48.7

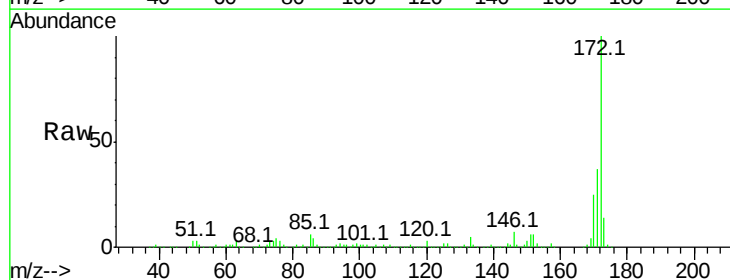


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

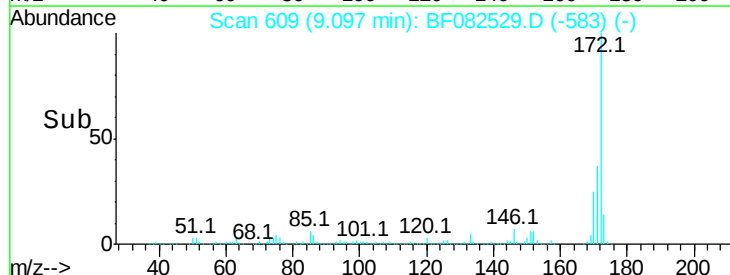
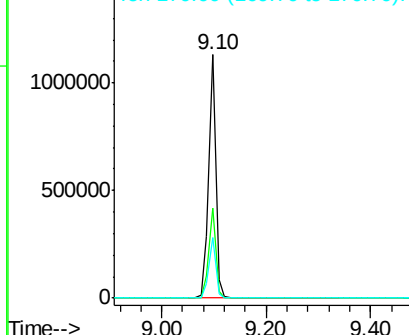


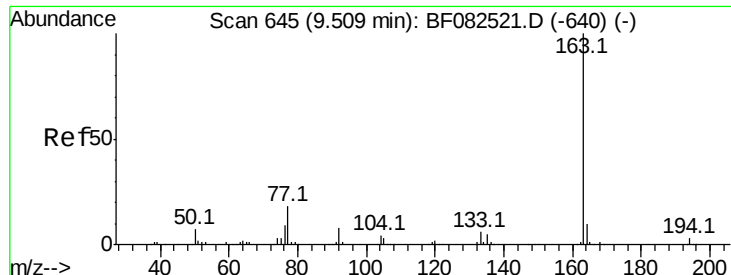
#44
 2-Fluorobiphenyl
 Concen: 89.36 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082529.D
 Acq: 27 Oct 2015 4:08

Tgt Ion:172 Resp: 1061692
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.3 43.9
 170 24.9 19.8 29.6



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: 18.89 ng

RT: 9.50 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

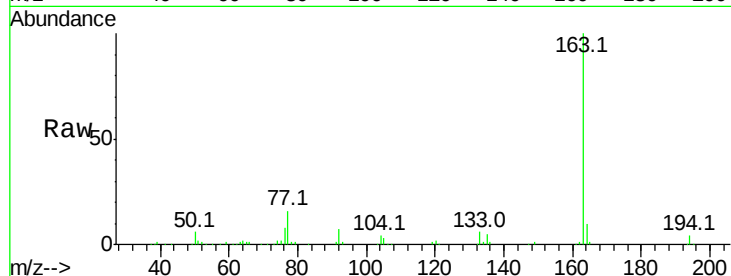
Tot Ion:163 Resp: 248313

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

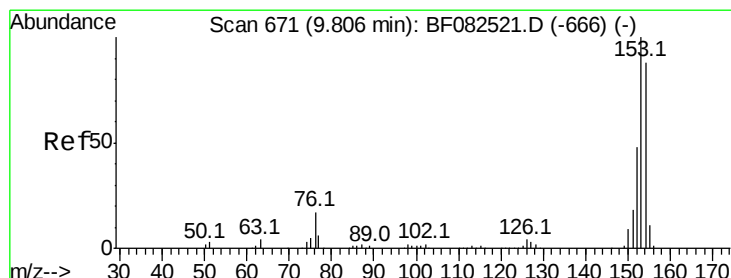
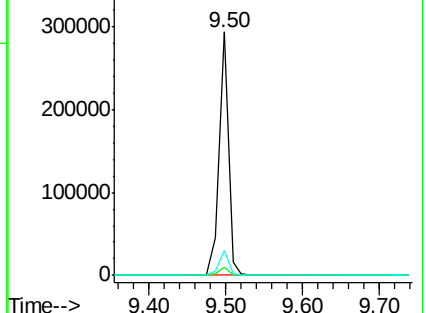
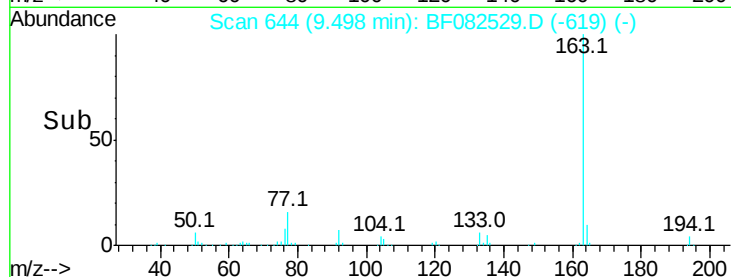
164 10.4 8.2 12.4



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: 2.13 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

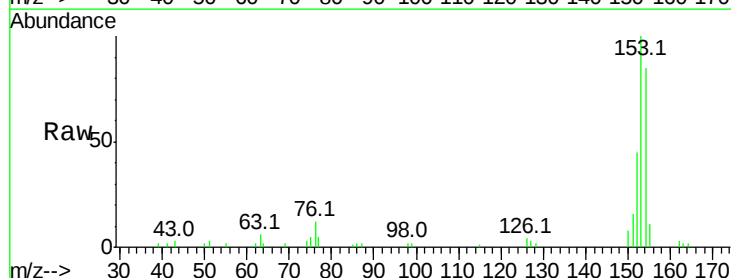
Tgt Ion:154 Resp: 21663

Ion Ratio Lower Upper

154 100

153 118.0 90.7 136.1

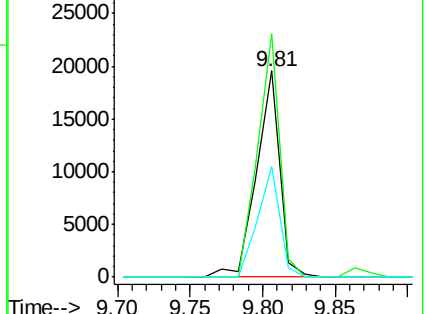
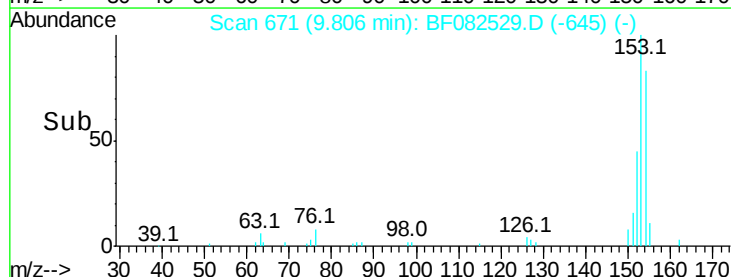
152 53.6 44.0 66.0

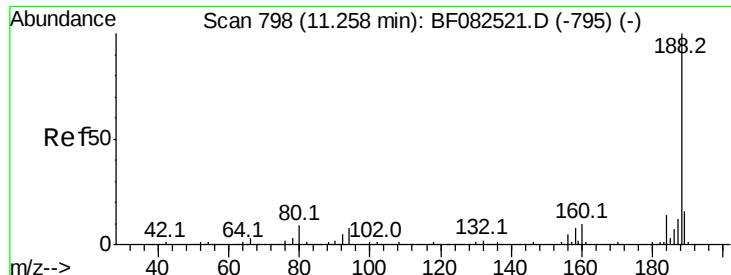


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

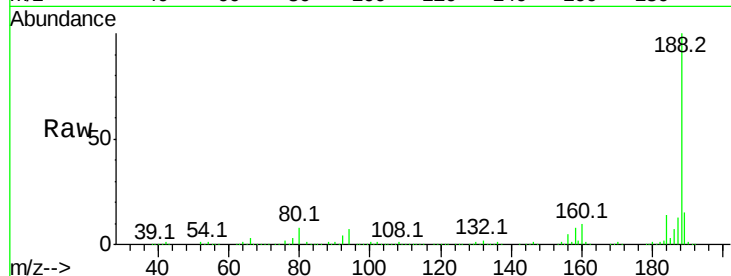




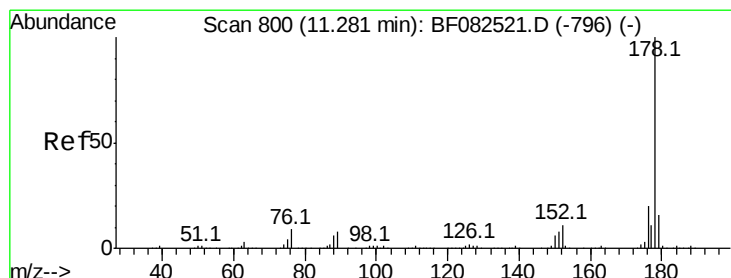
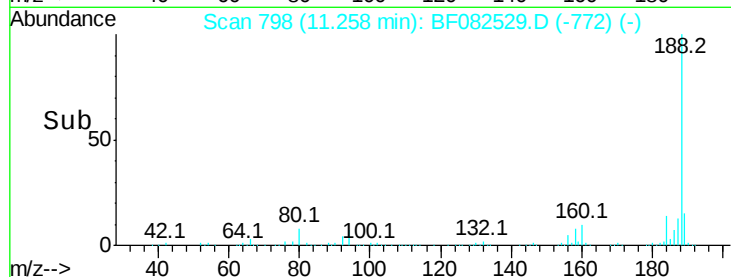
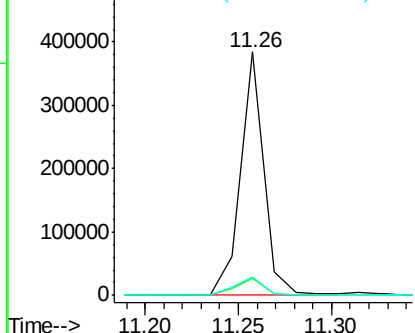
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF082529.D
Acq: 27 Oct 2015 4:08

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tot Ion:188 Resp: 337073
Ion Ratio Lower Upper
188 100
94 7.1 6.4 9.6
80 7.6 7.0 10.6

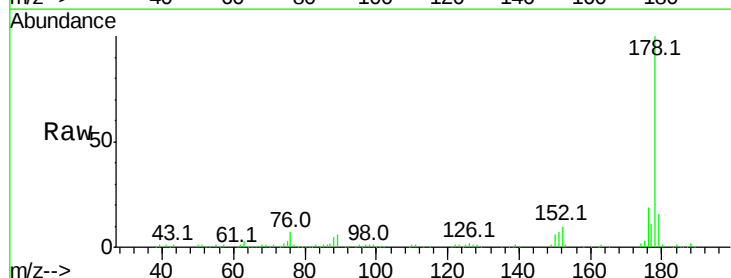


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

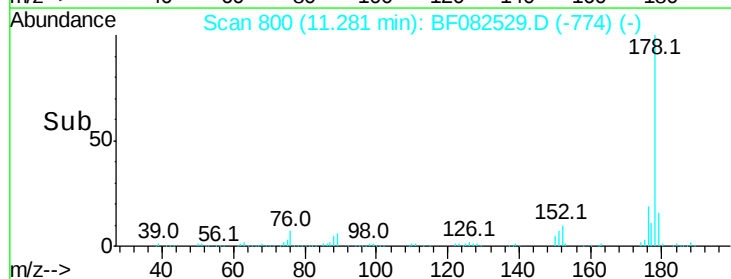
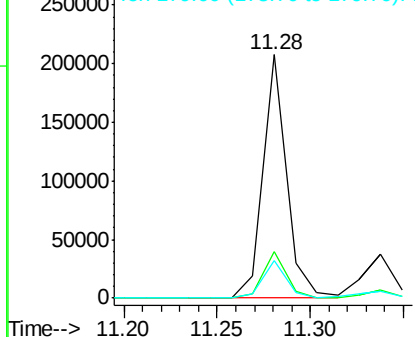


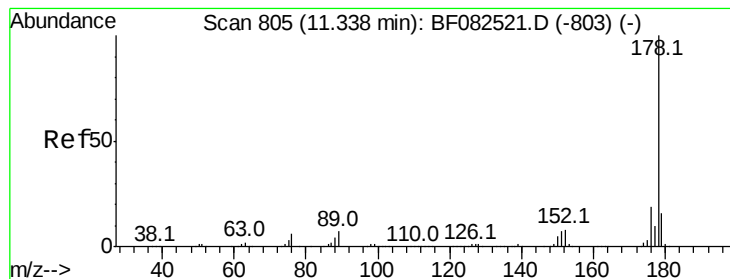
#70
Phenanthrene
Concen: 10.43 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF082529.D
Acq: 27 Oct 2015 4:08

Tgt Ion:178 Resp: 180943
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.6 12.8 19.2



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: 2.64 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

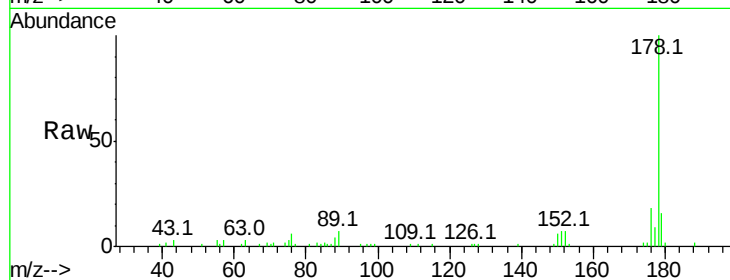
Tot Ion:178 Resp: 46173

Ion Ratio Lower Upper

178 100

176 17.6 15.2 22.8

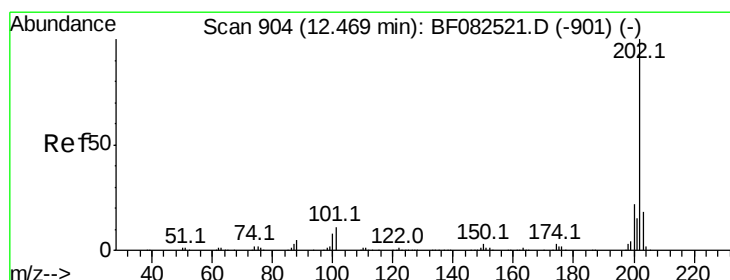
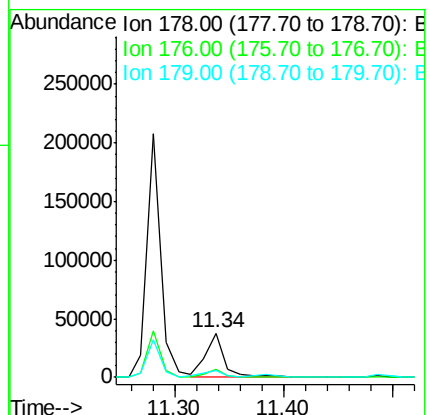
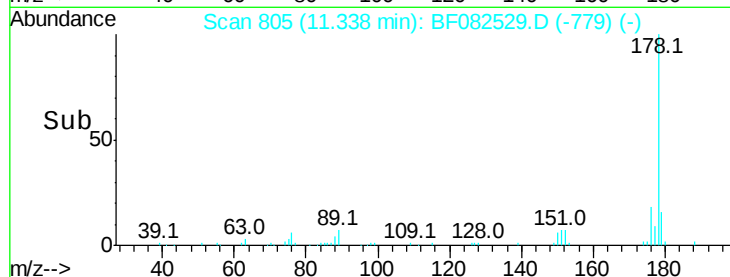
179 16.1 12.6 19.0



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



#74

Fluoranthene

Concen: 13.47 ng

RT: 12.47 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

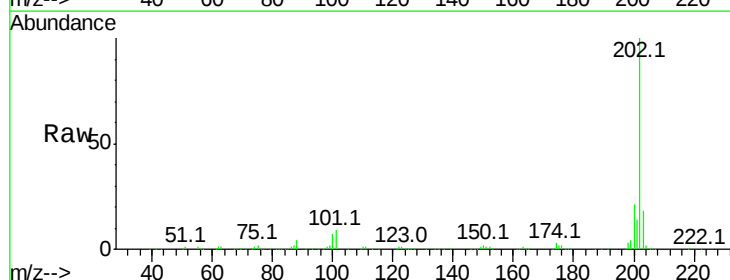
Tgt Ion:202 Resp: 239775

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.2

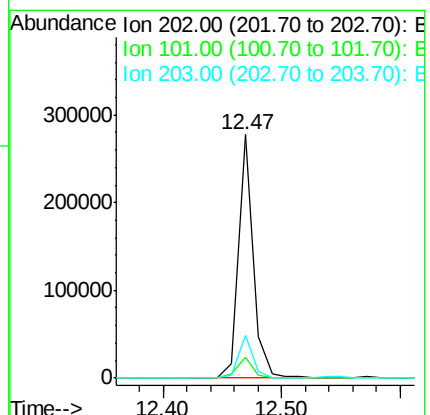
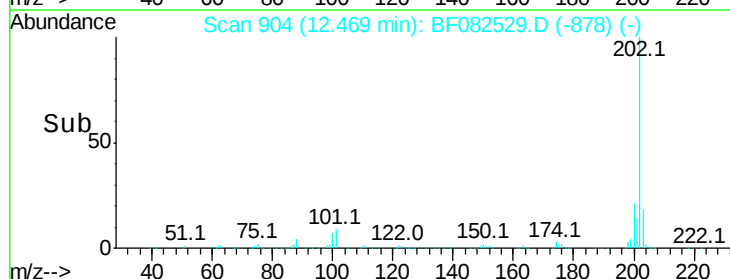
203 17.5 0.0 38.1

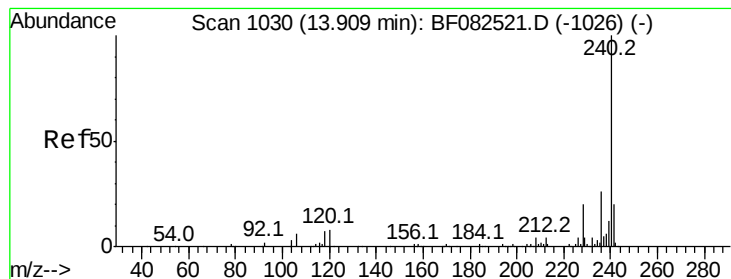


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

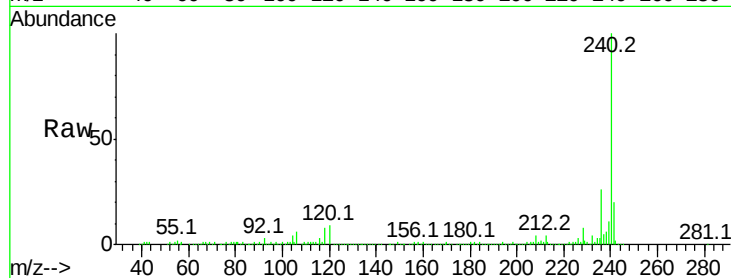
Tot Ion:240 Resp: 229979

Ion Ratio Lower Upper

240 100

120 9.3 6.5 9.7

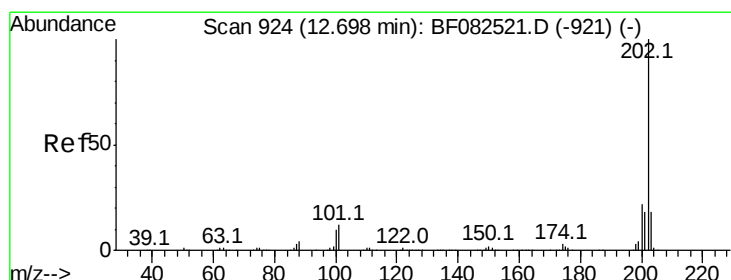
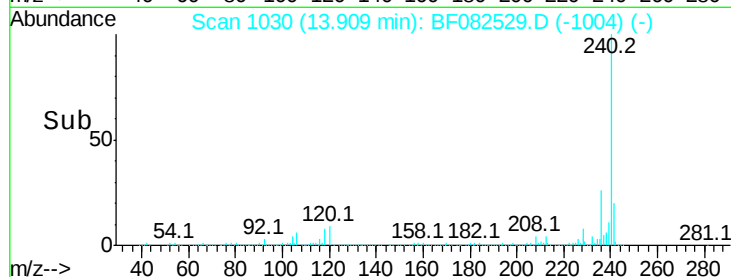
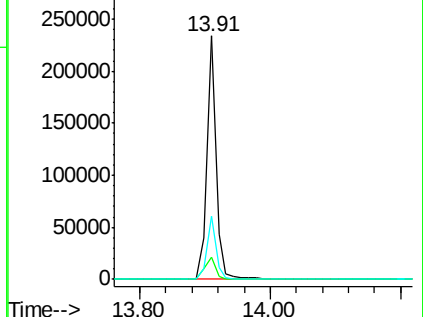
236 25.7 20.5 30.7



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: 14.39 ng

RT: 12.70 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

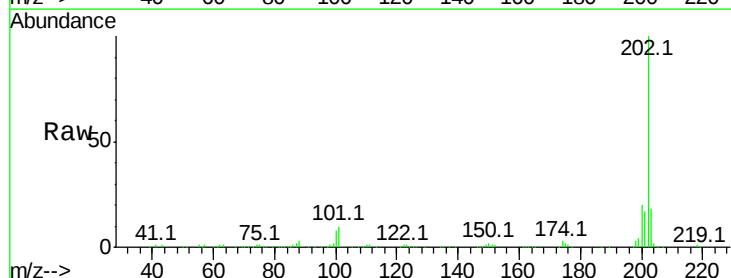
Tgt Ion:202 Resp: 203563

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

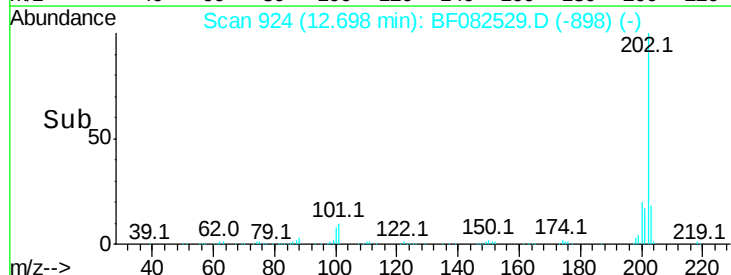
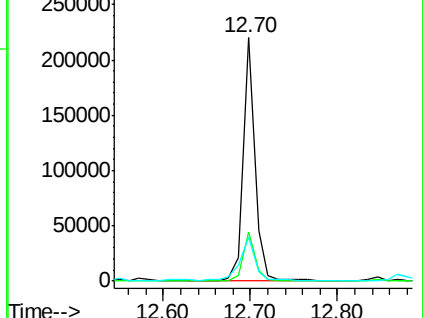
203 17.8 14.6 22.0

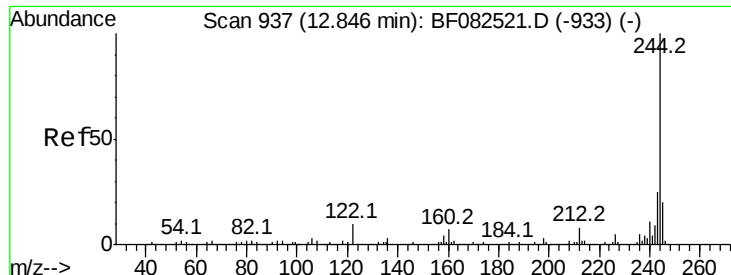


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 107.44 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

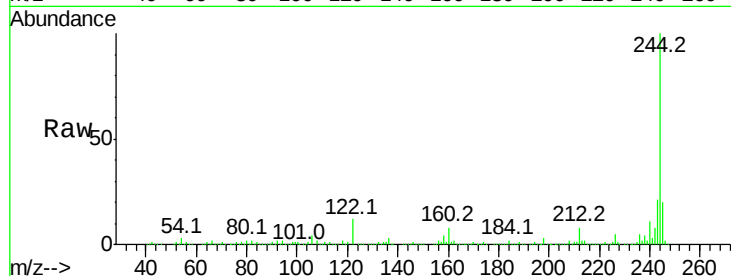
Tot Ion:244 Resp: 857696

Ion Ratio Lower Upper

244 100

212 8.4 6.4 9.6

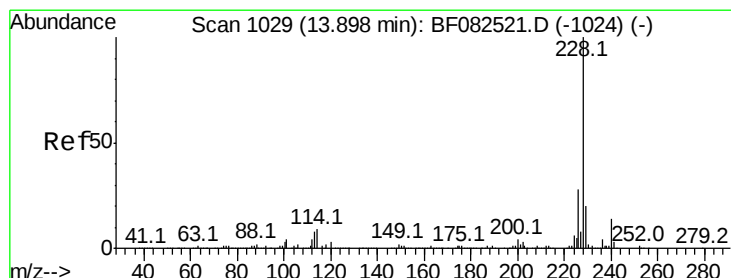
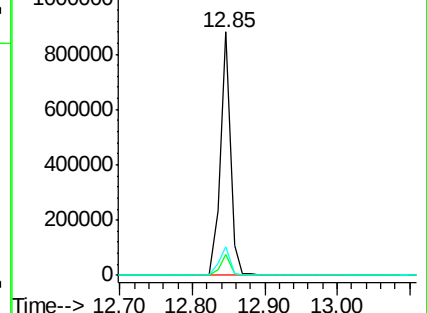
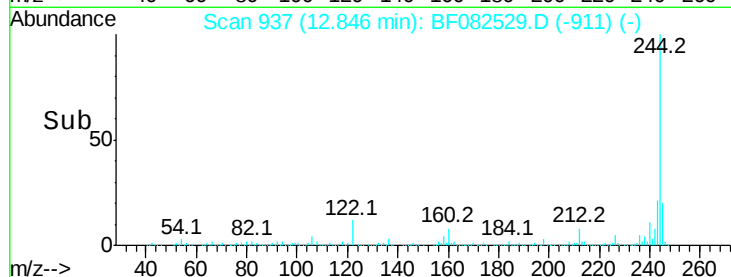
122 11.5 8.1 12.1



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



#80

Benzo(a)anthracene

Concen: 7.10 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

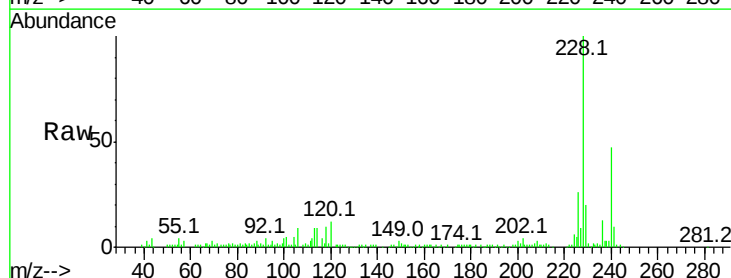
Tgt Ion:228 Resp: 87572

Ion Ratio Lower Upper

228 100

226 26.2 22.1 33.1

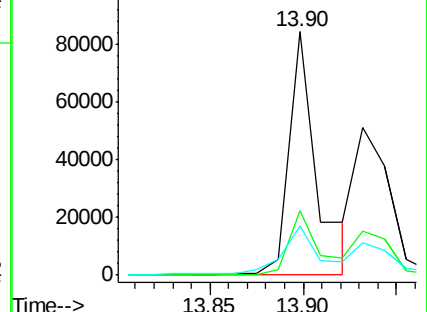
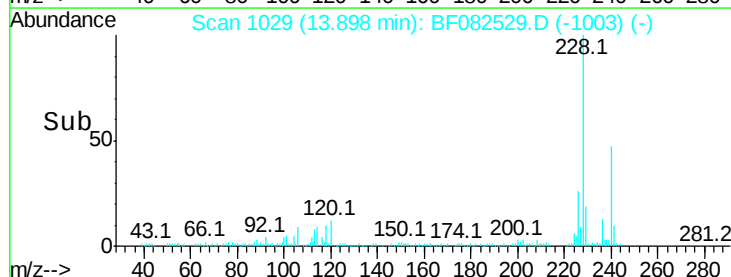
229 19.9 16.1 24.1

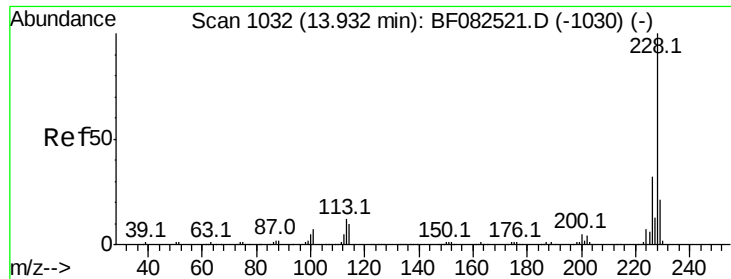


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.85 ng

RT: 13.93 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

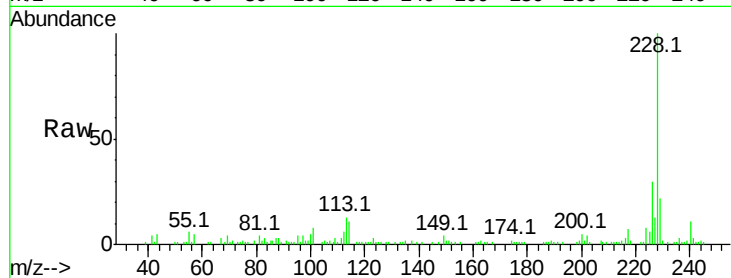
Tot Ion:228 Resp: 68151

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

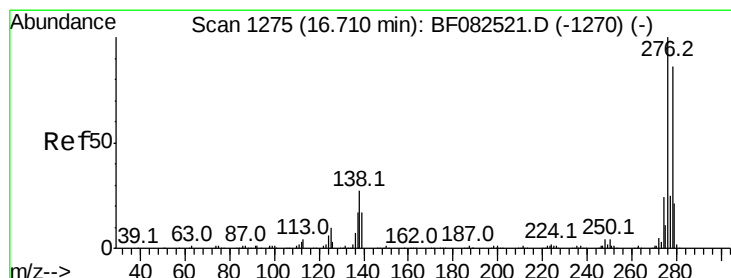
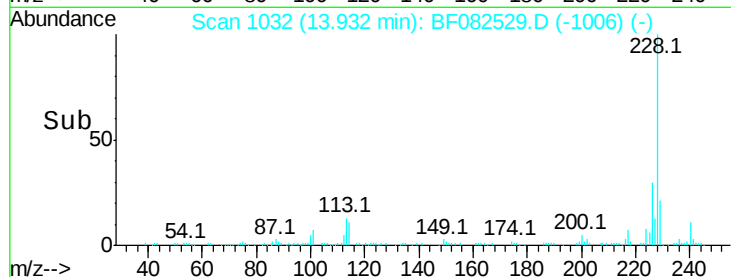
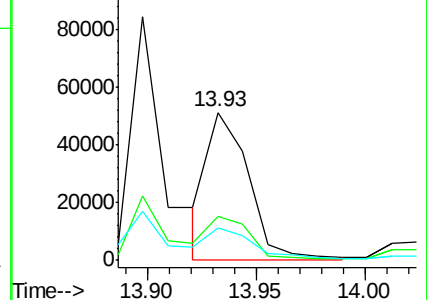
229 21.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.93 ng

RT: 16.74 min Scan# 1278

Delta R.T. 0.03 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

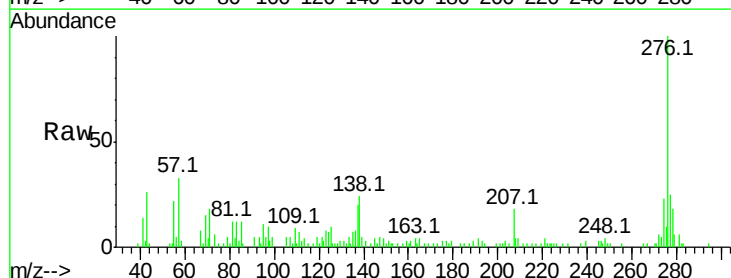
Tgt Ion:276 Resp: 42058

Ion Ratio Lower Upper

276 100

138 20.7 20.6 30.8

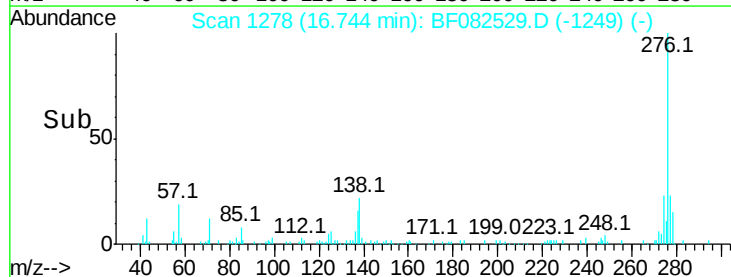
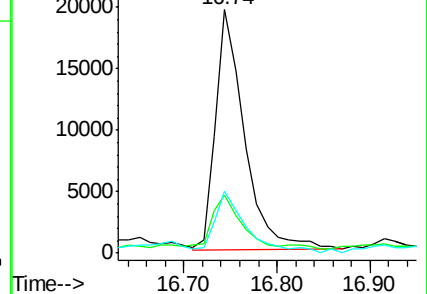
277 28.2 19.9 29.9

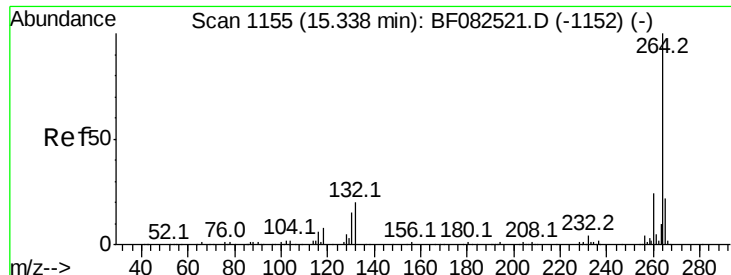


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1157

Delta R.T. 0.02 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

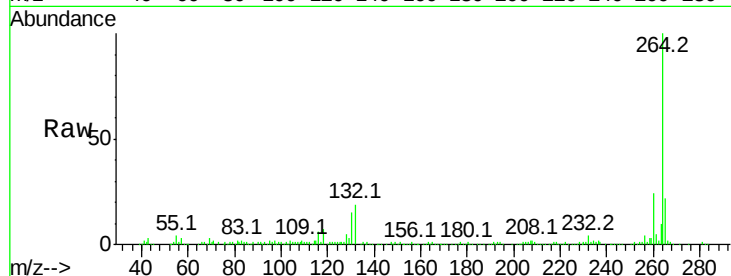
Tot Ion:264 Resp: 196975

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

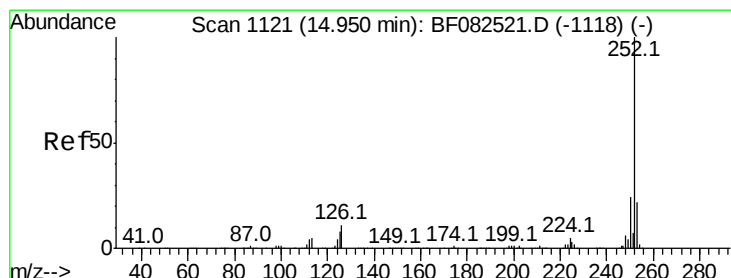
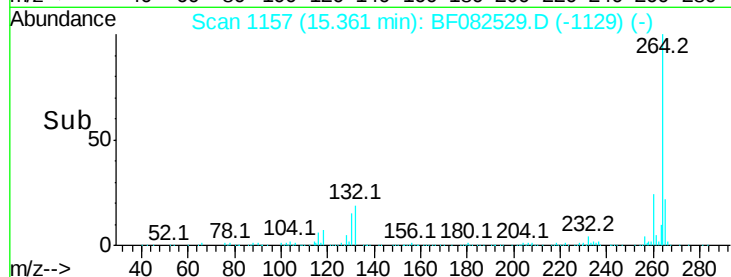
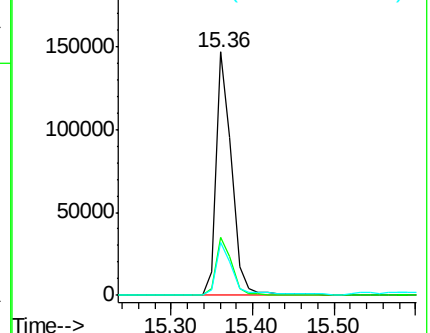
265 21.8 17.8 26.6



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



#87

Benzo(b)fluoranthene

Concen: 7.93 ng m

RT: 14.96 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

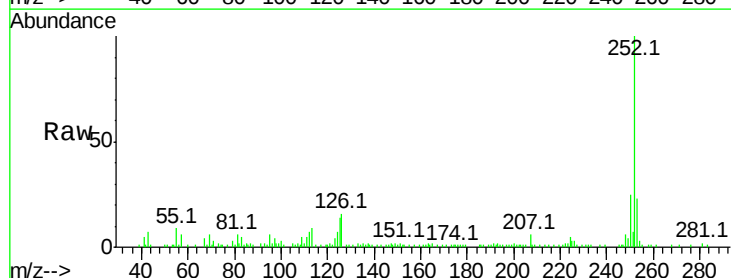
Tgt Ion:252 Resp: 92713

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

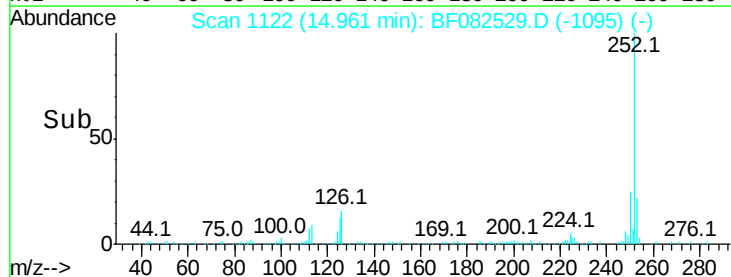
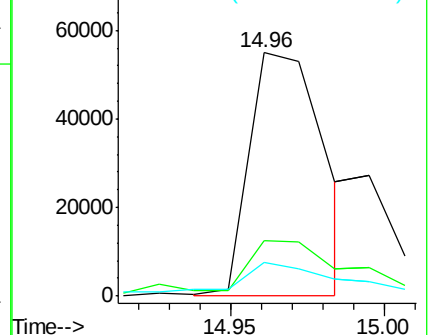
125 13.7 6.6 10.0#

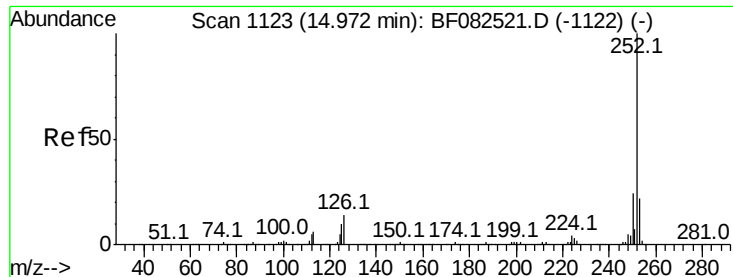


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

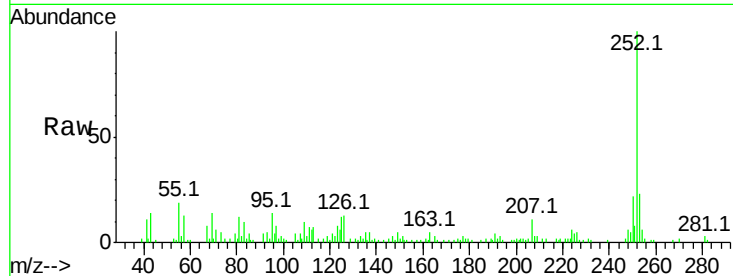




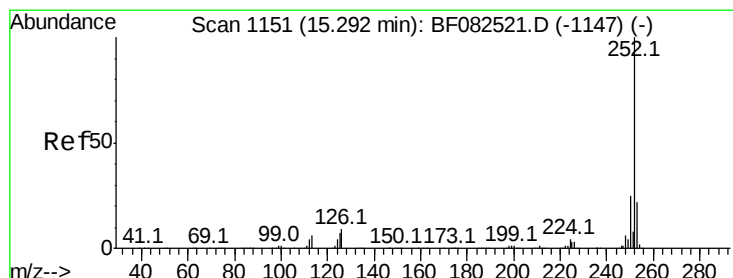
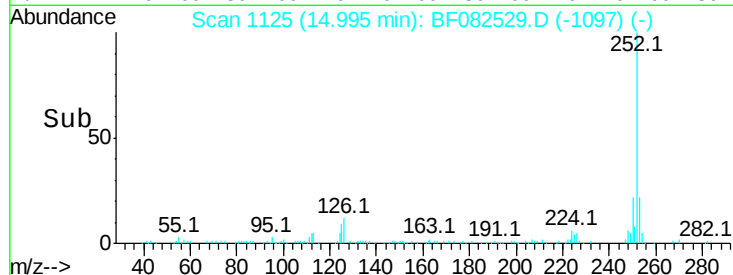
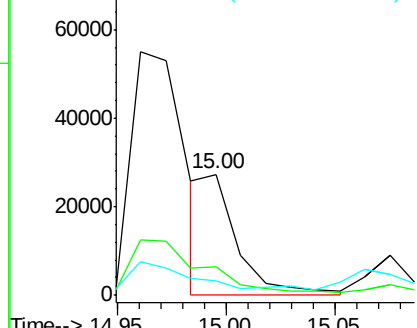
#88
Benzo(k)fluoranthene
Concen: 3.11 ng m
RT: 15.00 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BF082529.D
Acq: 27 Oct 2015 4:08

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tot Ion:252 Resp: 29653
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.7 8.7 13.1

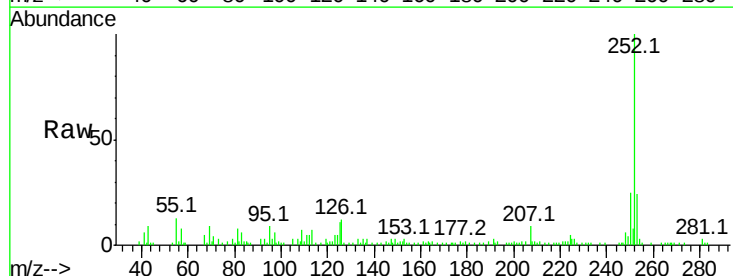


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

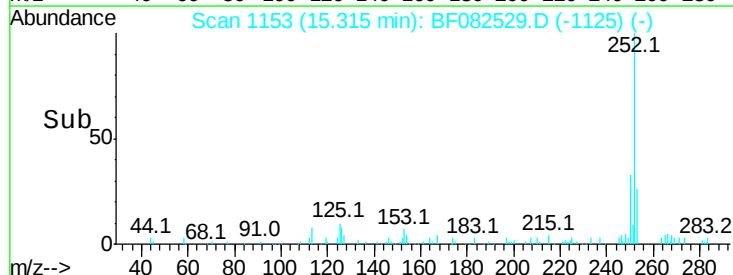
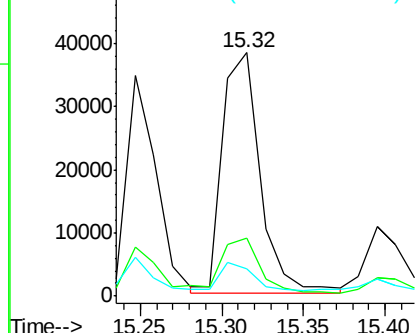


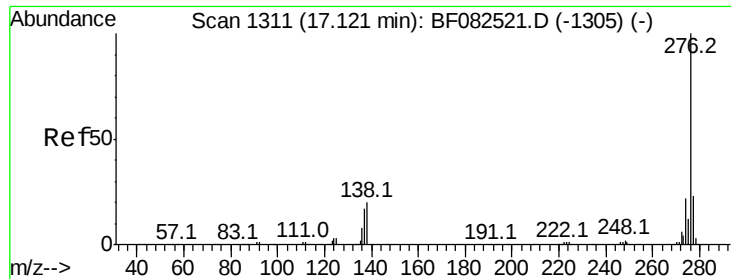
#89
Benzo(a)pyrene
Concen: 5.99 ng
RT: 15.32 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF082529.D
Acq: 27 Oct 2015 4:08

Tgt Ion:252 Resp: 60749
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 11.1 5.9 8.9#



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





#91

Benzo(a,h,i)perylene

Concen: 5.50 ng

RT: 17.16 min Scan# 1314

Delta R.T. 0.03 min

Lab File: BF082529.D

Acq: 27 Oct 2015 4:08

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

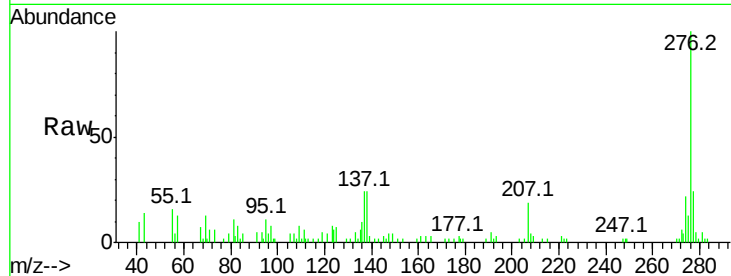
Tot Ion:276 Resp: 46165

Ion Ratio Lower Upper

276 100

277 24.4 18.3 27.5

138 24.1 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

