

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
 Data File : BF082729.D
 Acq On : 5 Nov 2015 15:07
 Operator : UM/IZ
 Sample : G4241-02DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-117(3)DL

Quant Time: Nov 06 04:39:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

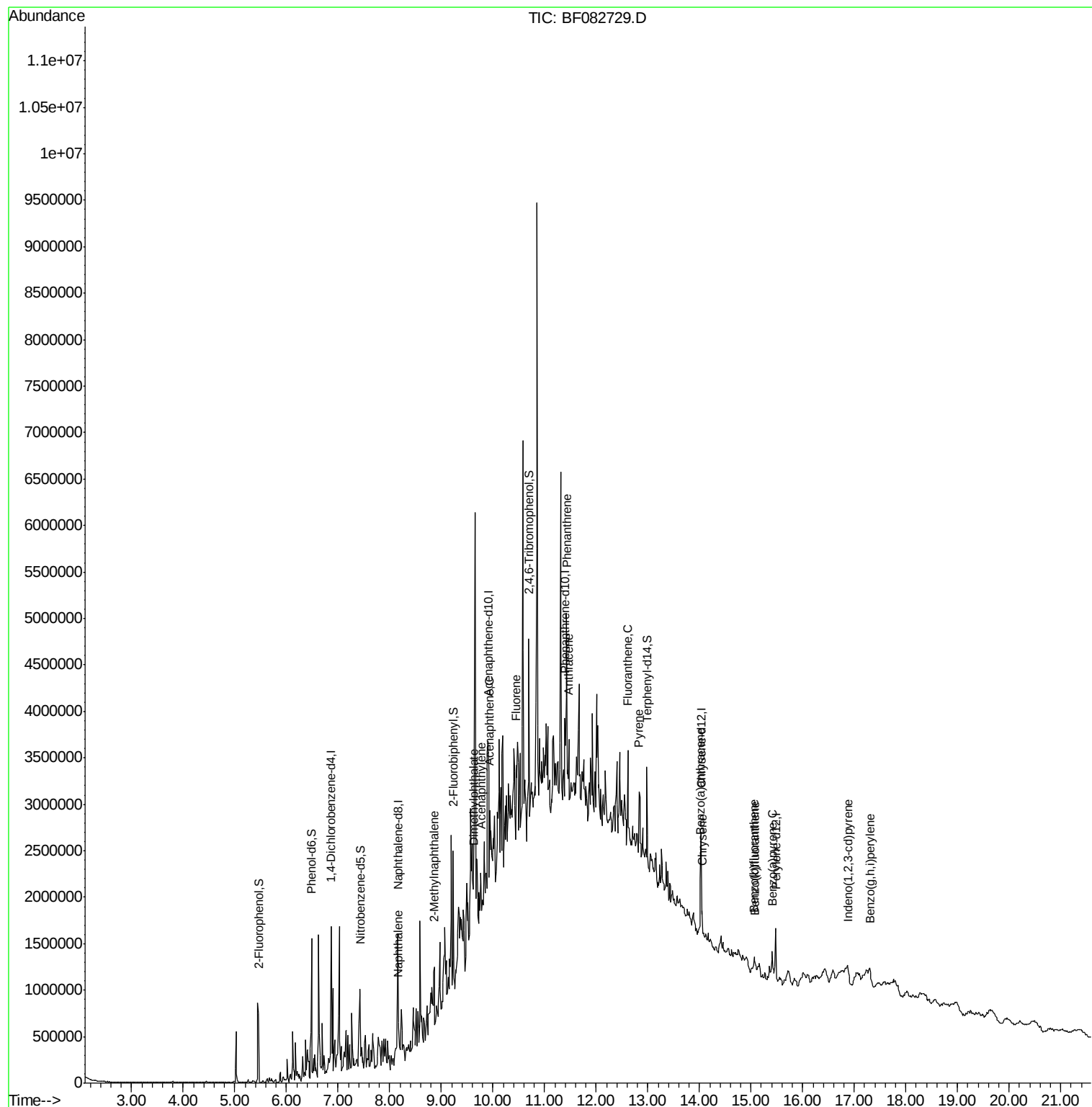
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	166875	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	617858	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	272071	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	464375	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	351224	20.00	ng	-0.02
86) Perylene-d12	15.48	264	354565	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	288493	26.04	ng	-0.01
7) Phenol-d6	6.49	99	444716	30.21	ng	-0.02
23) Nitrobenzene-d5	7.42	82	279512	18.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	81172	27.26	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	394855	20.61	ng	-0.02
78) Terphenyl-d14	12.98	244	270241	16.84	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.17	128	197426	5.91	ng	98
37) 2-Methylnaphthalene	8.86	142	115429	5.33	ng	99
48) Acenaphthylene	9.77	152	93264	3.25	ng	# 87
49) Dimethylphthalate	9.62	163	83472	3.76	ng	# 93
51) Acenaphthene	9.94	154	167849m	9.21	ng	
57) Fluorene	10.45	166	150344m	7.54	ng	
70) Phenanthrene	11.42	178	719643	27.48	ng	96
71) Anthracene	11.47	178	246519m	9.35	ng	
74) Fluoranthene	12.61	202	263572	9.84	ng	97
77) Pyrene	12.83	202	470669	18.10	ng	95
80) Benzo(a)anthracene	14.02	228	109008m	4.89	ng	
82) Chrysene	14.05	228	110775m	5.48	ng	
85) Indeno(1,2,3-cd)pyrene	16.88	276	52579	3.15	ng	97
87) Benzo(b)fluoranthene	15.06	252	78161m	3.20	ng	
88) Benzo(k)fluoranthene	15.07	252	40868m	2.19	ng	
89) Benzo(a)pyrene	15.41	252	92250	4.79	ng	# 83
91) Benzo(a,h,i)perylene	17.30	276	68160	3.91	ng	# 95

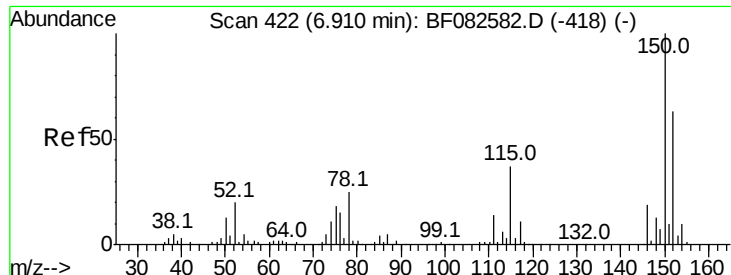
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

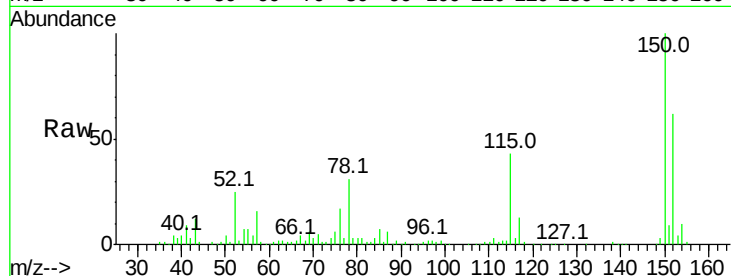
Tot Ion:152 Resp: 166875

Ion Ratio Lower Upper

152 100

150 160.7 127.0 190.4

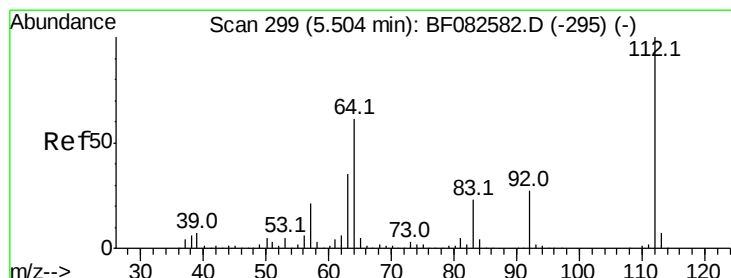
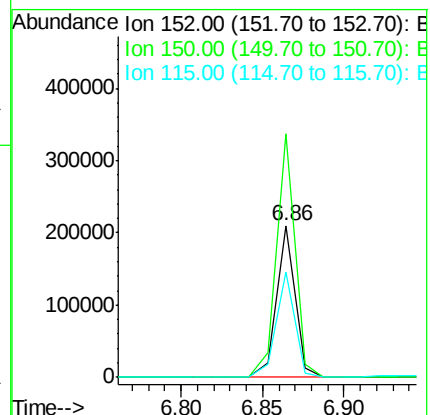
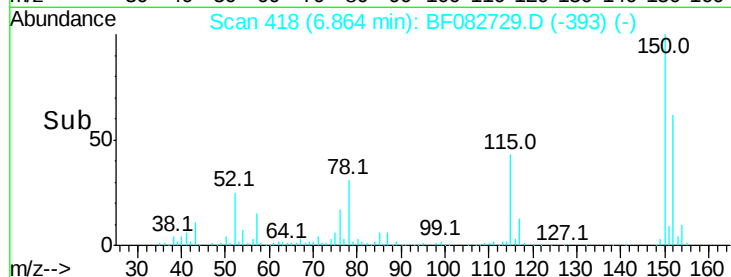
115 69.4 47.0 70.6



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: 26.04 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

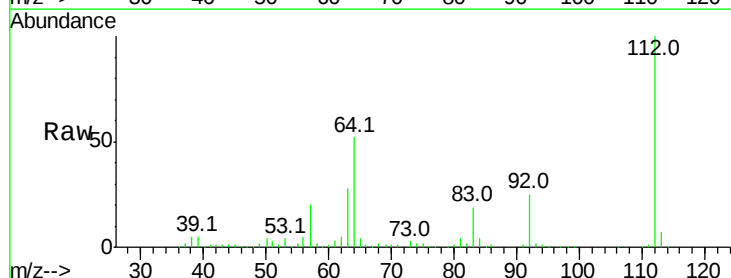
Tgt Ion:112 Resp: 288493

Ion Ratio Lower Upper

112 100

64 51.8 48.9 73.3

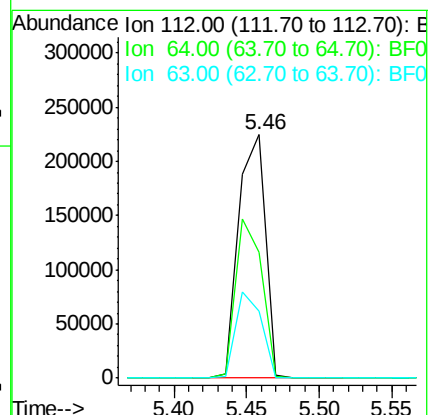
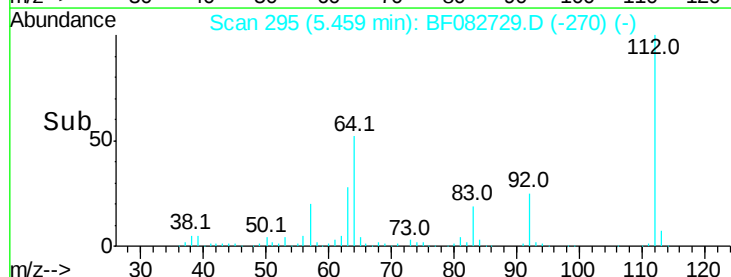
63 27.6 28.1 42.1#

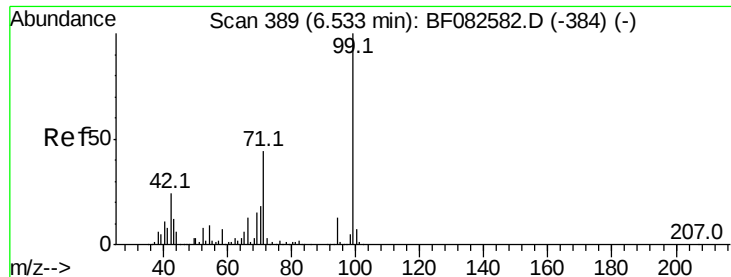


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.21 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

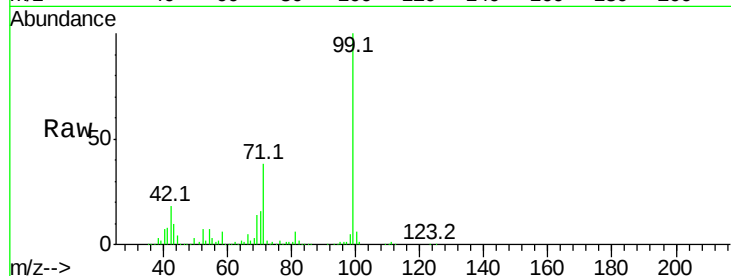
Tot Ion: 99 Resp: 444716

Ion Ratio Lower Upper

99 100

42 18.0 19.2 28.8#

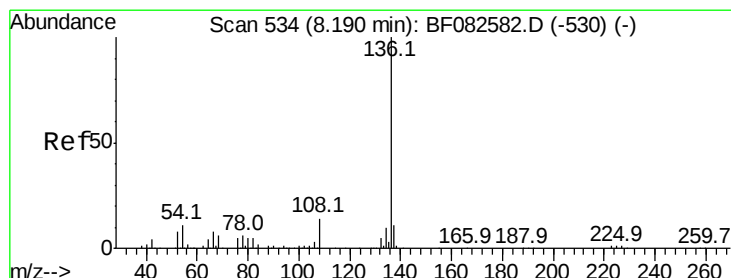
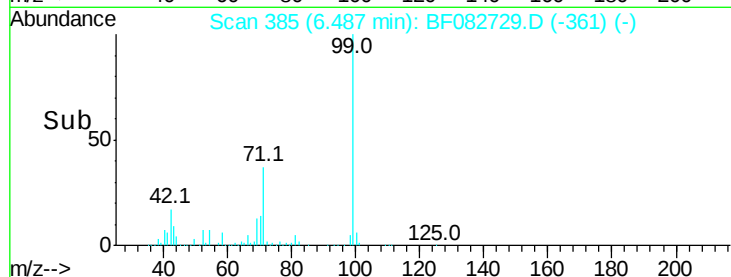
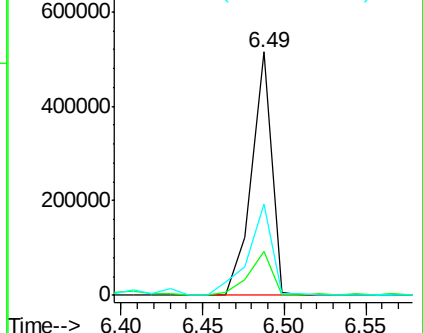
71 37.6 35.0 52.4



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: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Tgt Ion: 136 Resp: 617858

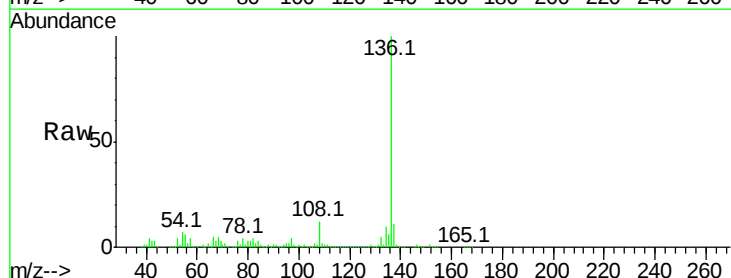
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.8 9.1 13.7#

68 5.0 4.8 7.2

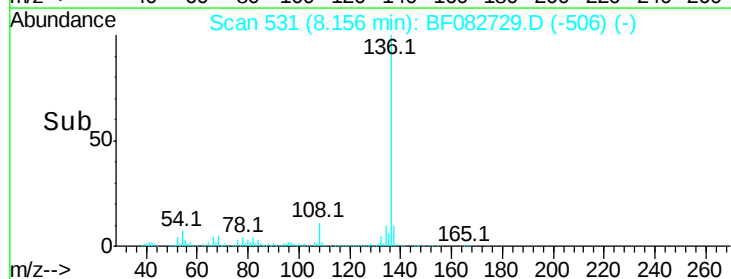
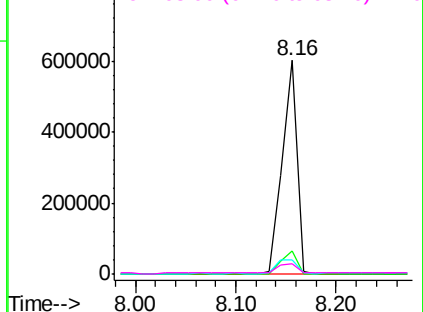


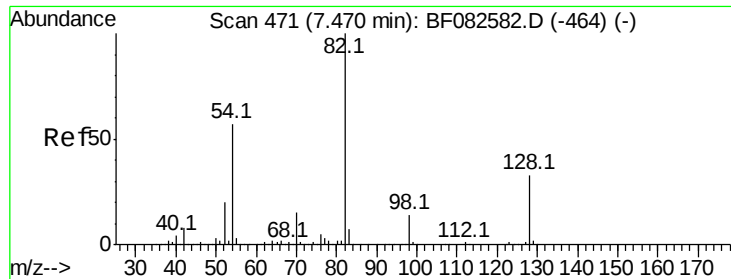
Abundance Ion 136.00 (135.70 to 136.70): E

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

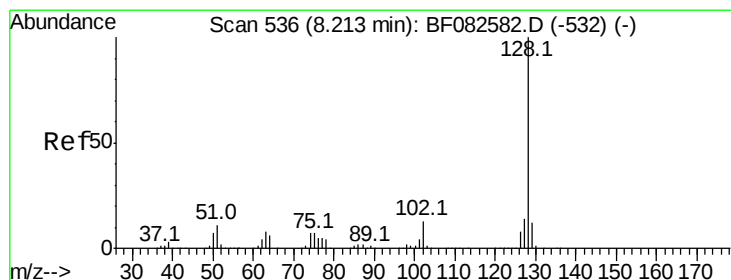
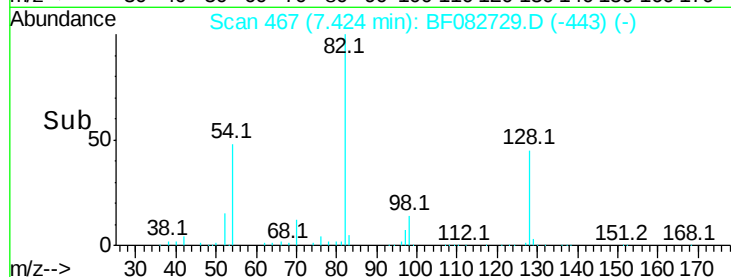
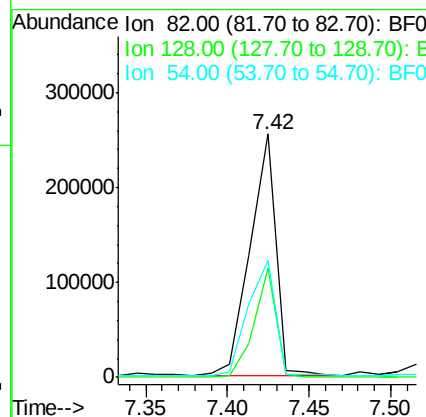
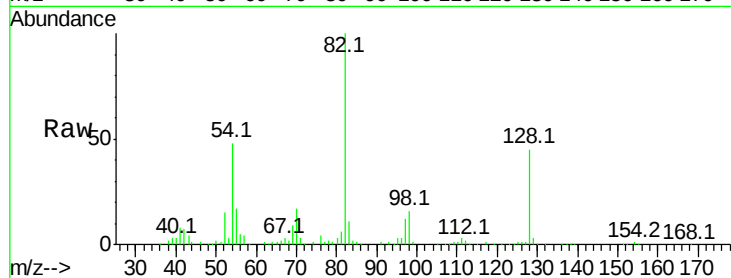




#23
 Nitrobenzene-d5
 Concen: 18.47 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

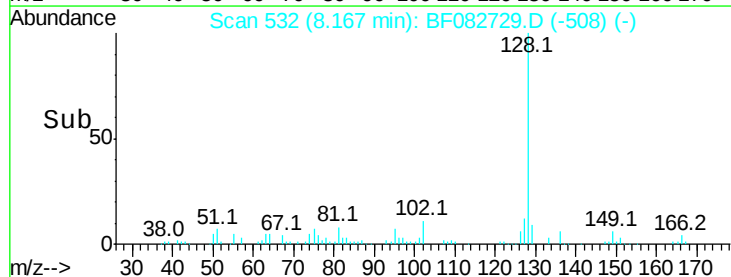
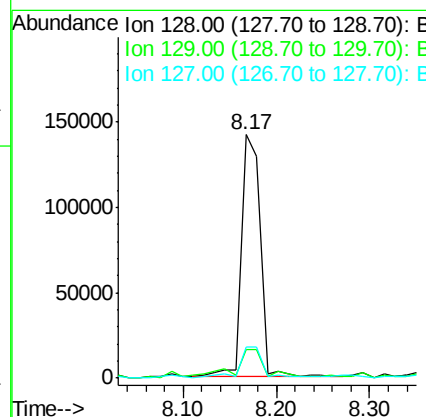
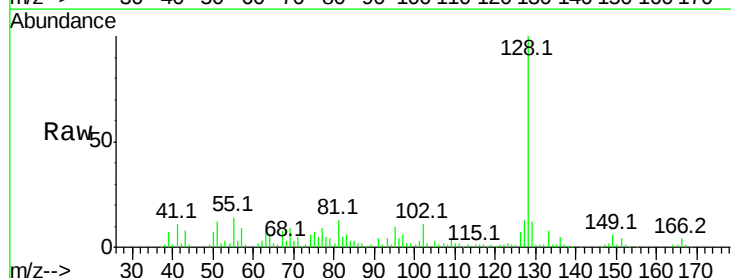
Instrument :
 BNA_F
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 TP-117(3)DL

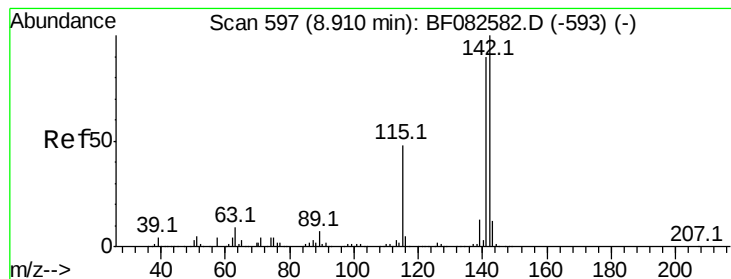
Tot Ion: 82 Resp: 279512
 Ion Ratio Lower Upper
 82 100
 128 44.6 26.8 40.2#
 54 48.0 45.7 68.5



#31
 Naphthalene
 Concen: 5.91 ng
 RT: 8.17 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

Tgt Ion:128 Resp: 197426
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.5 14.3
 127 13.0 11.4 17.0

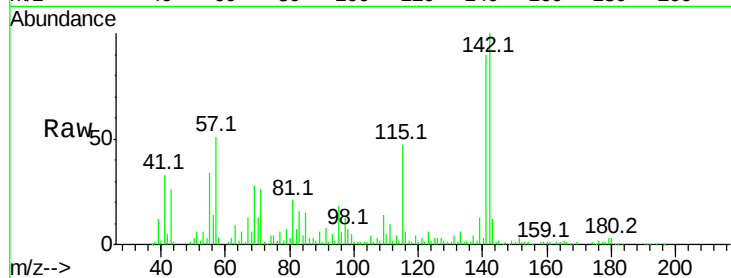




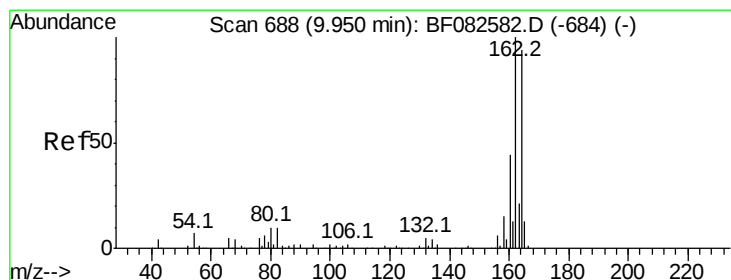
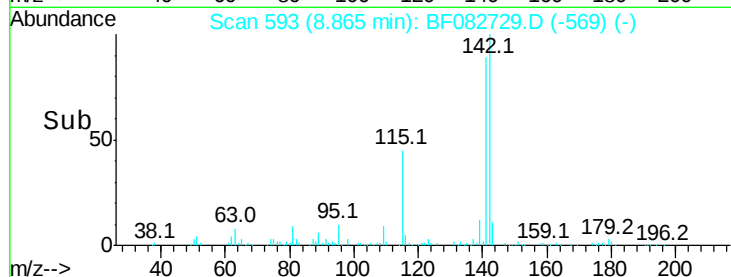
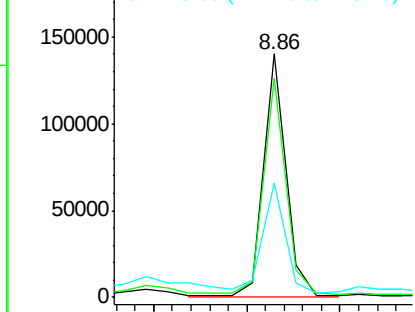
#37
2-Methylnaphthalene
Concen: 5.33 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF082729.D
Acq: 5 Nov 2015 15:07

Instrument :
BNA_F
ClientSampleId :
TP-117(3)DL

Tot Ion:142 Resp: 115429
Ion Ratio Lower Upper
142 100
141 90.3 72.3 108.5
115 46.7 38.1 57.1

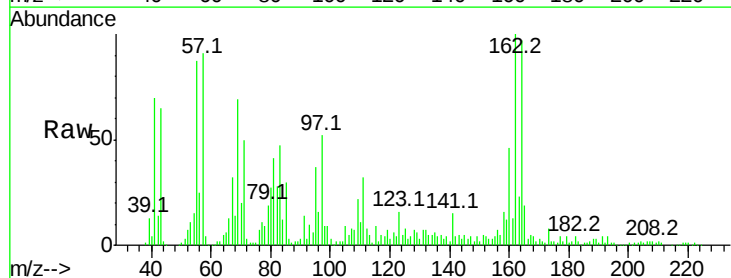


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

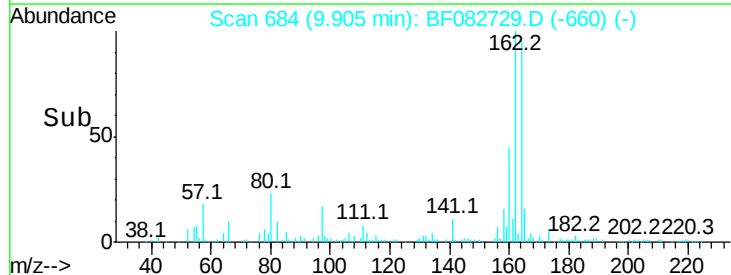
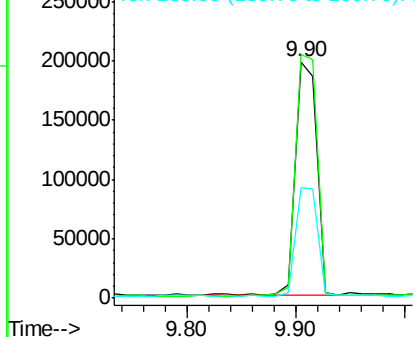


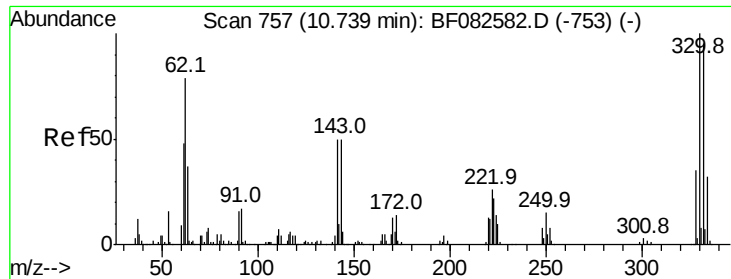
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082729.D
Acq: 5 Nov 2015 15:07

Tgt Ion:164 Resp: 272071
Ion Ratio Lower Upper
164 100
162 102.9 84.9 127.3
160 46.9 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

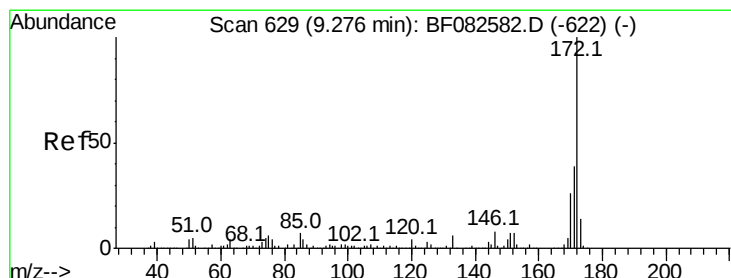
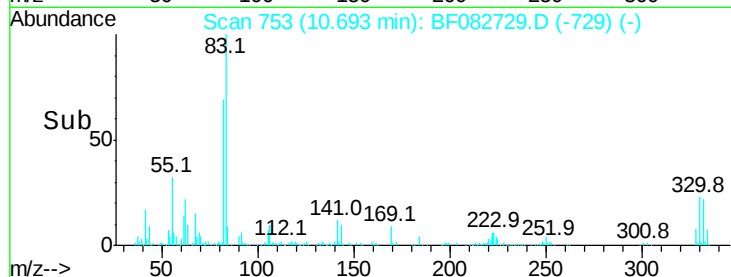
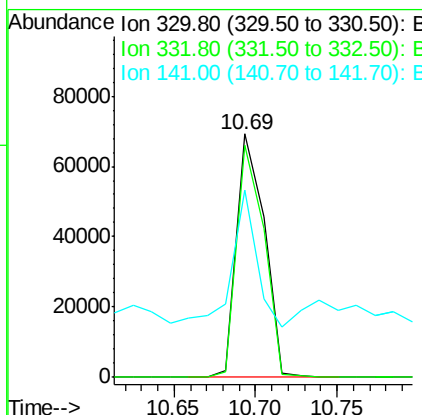
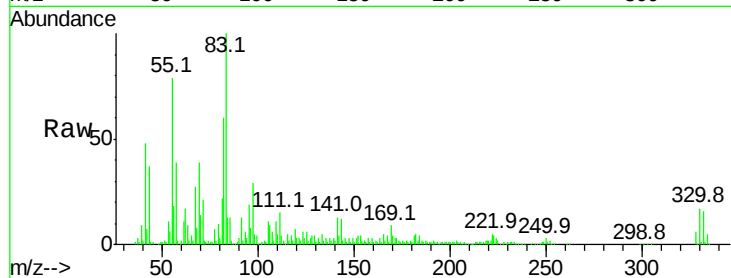




#41
 2,4,6-Tribromophenol
 Concen: 27.26 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

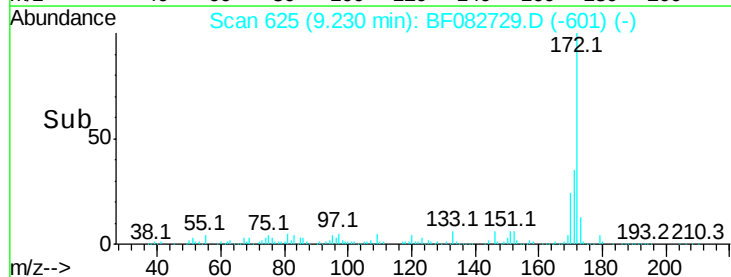
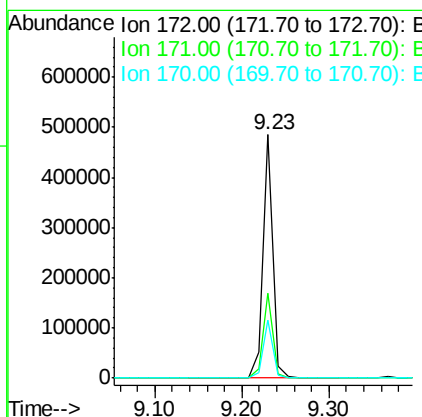
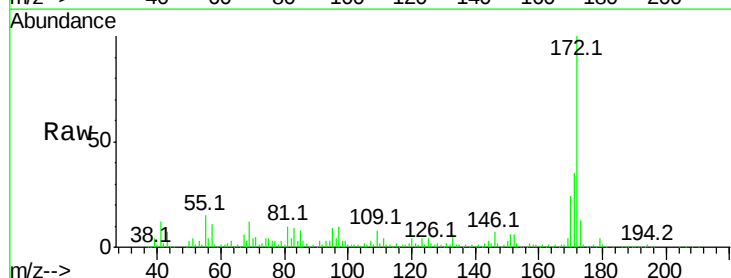
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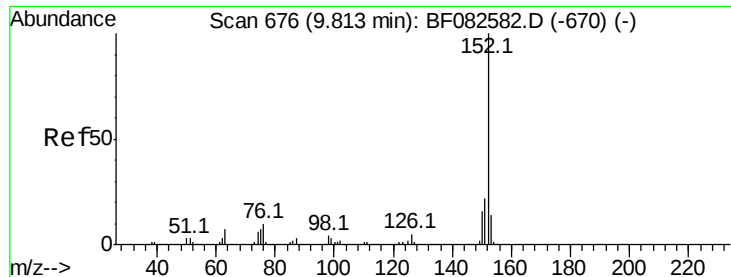
Tot Ion:330 Resp: 81172
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 114.8
 141 49.7 41.2 61.8



#44
 2-Fluorobiphenyl
 Concen: 20.61 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

Tgt Ion:172 Resp: 394855
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.8 46.2
 170 23.7 21.2 31.8





#48

Acenaphthylene

Concen: 3.25 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

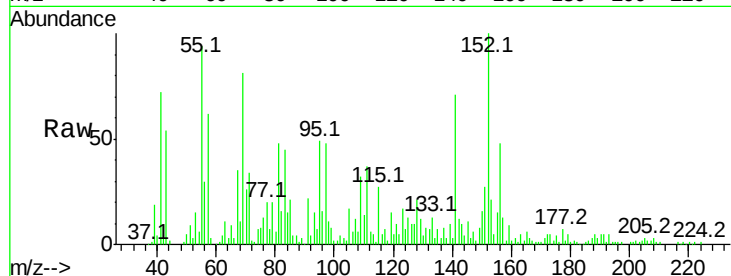
Tot Ion:152 Resp: 93264

Ion Ratio Lower Upper

152 100

151 26.6 17.3 25.9#

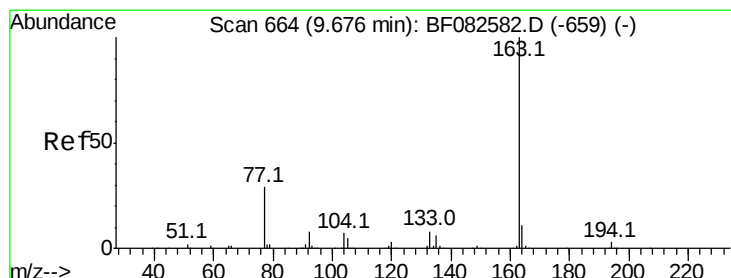
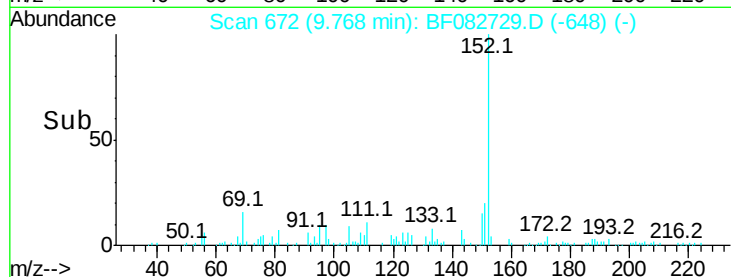
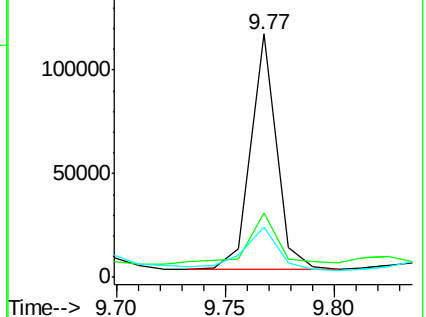
153 20.7 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.76 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

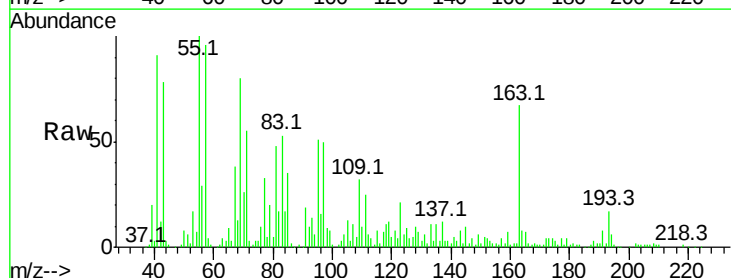
Tgt Ion:163 Resp: 83472

Ion Ratio Lower Upper

163 100

194 8.5 2.6 4.0#

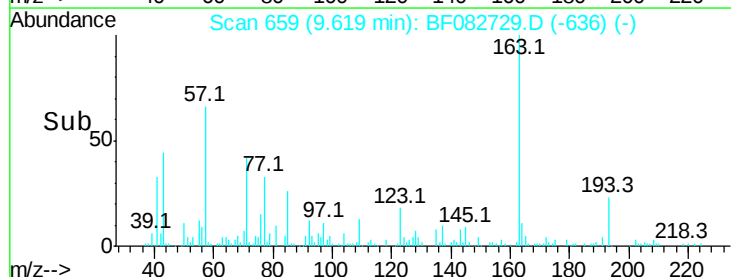
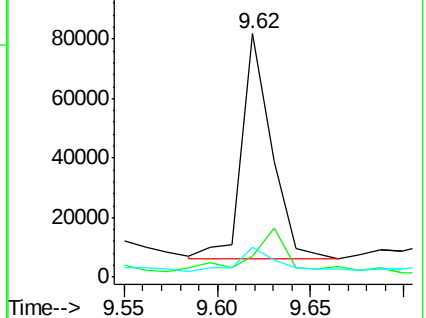
164 12.5 8.7 13.1

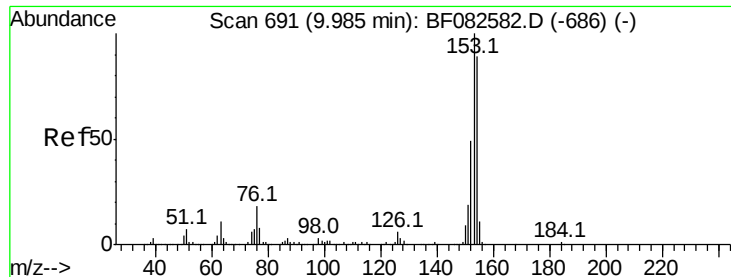


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 9.21 ng m

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

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TP-117(3)DL

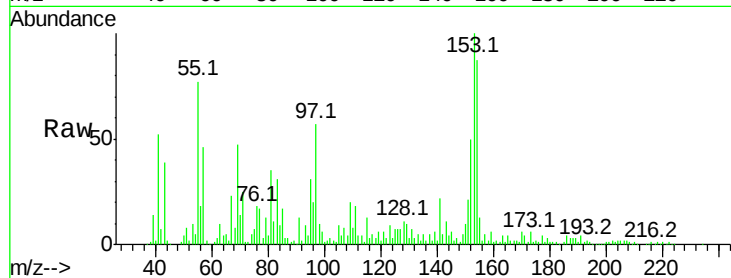
Tot Ion:154 Resp: 167849

Ion Ratio Lower Upper

154 100

153 114.9 90.1 135.1

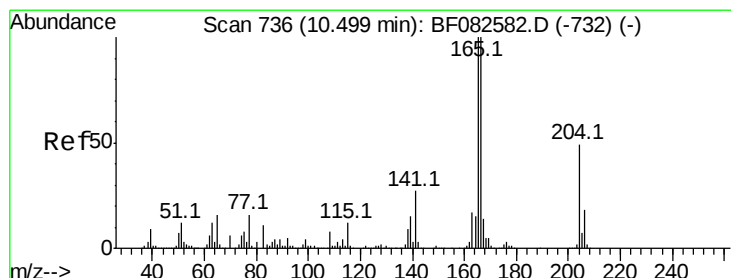
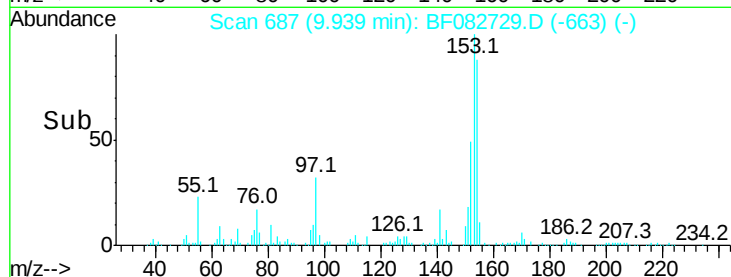
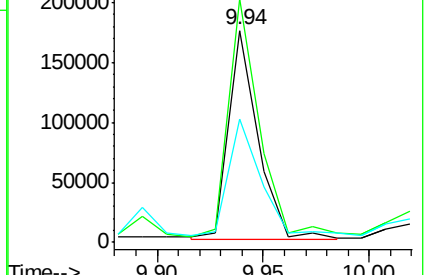
152 57.9 44.3 66.5



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



#57

Fluorene

Concen: 7.54 ng m

RT: 10.45 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

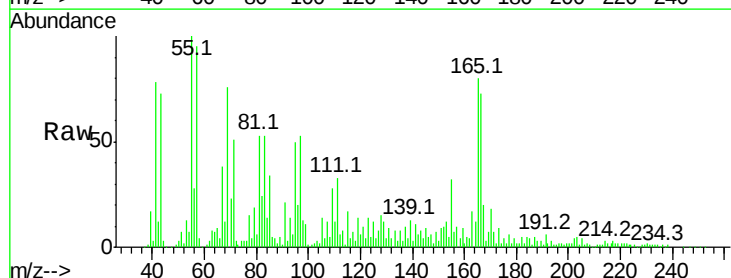
Tgt Ion:166 Resp: 150344

Ion Ratio Lower Upper

166 100

165 108.8 80.2 120.4

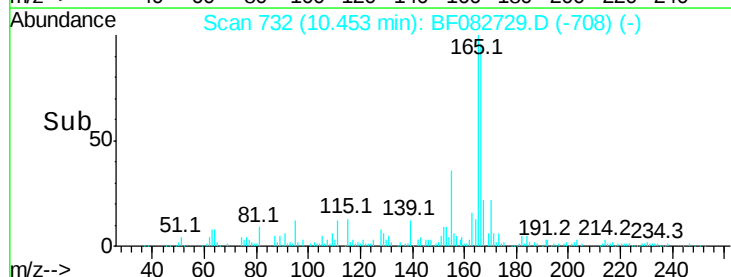
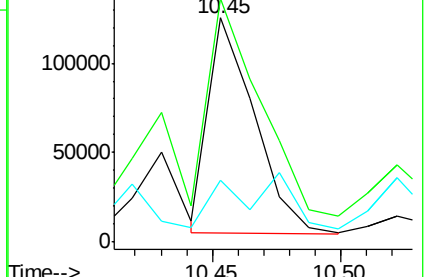
167 27.9 11.2 16.8#

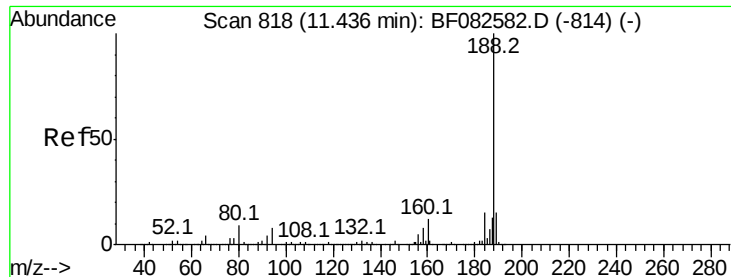


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

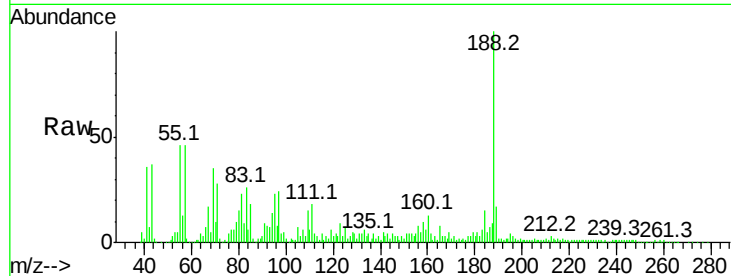
Tot Ion:188 Resp: 464375

Ion Ratio Lower Upper

188 100

94 14.0 6.1 9.1#

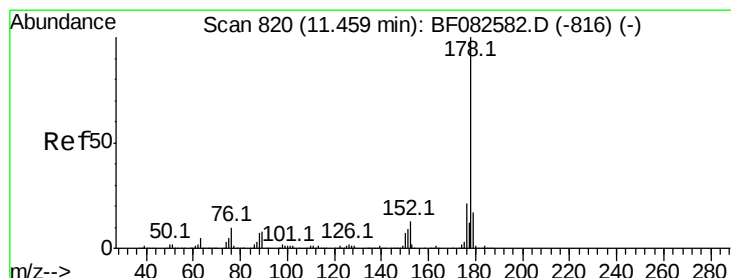
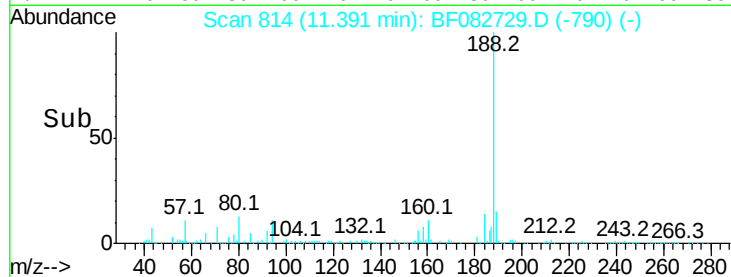
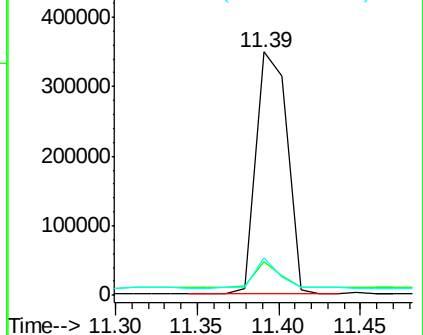
80 15.3 7.0 10.6#



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: 27.48 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

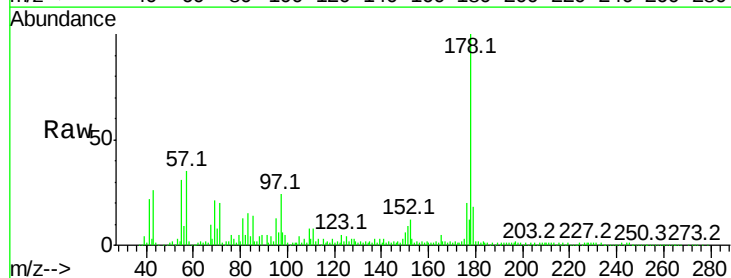
Tgt Ion:178 Resp: 719643

Ion Ratio Lower Upper

178 100

176 19.6 17.0 25.4

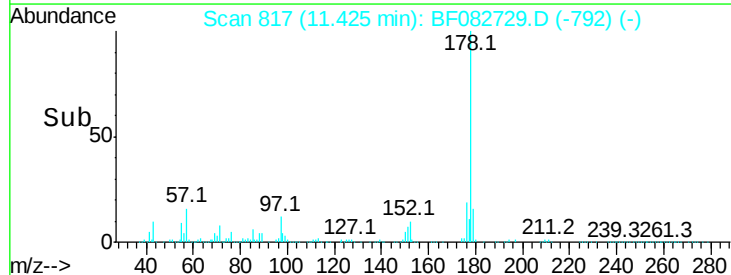
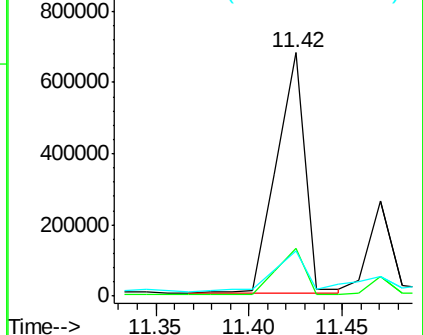
179 18.4 13.4 20.0

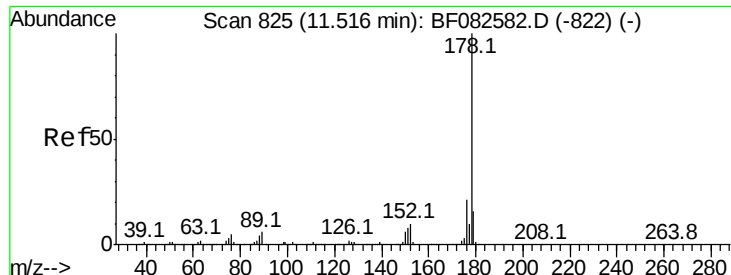


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

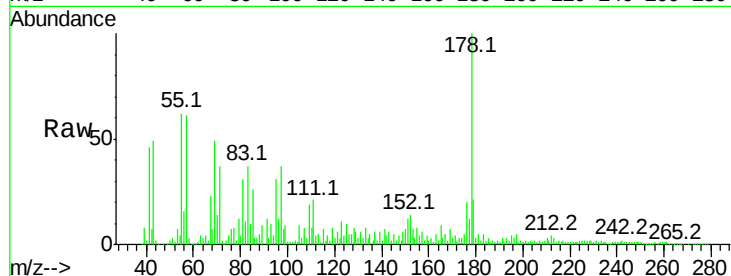




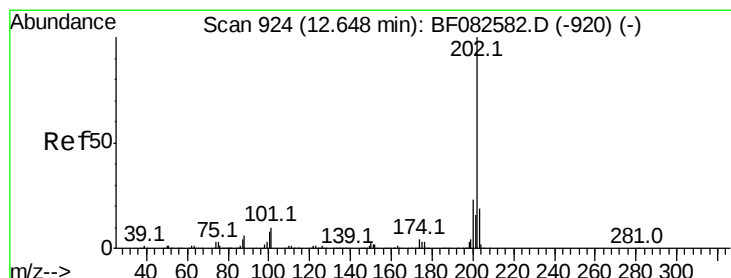
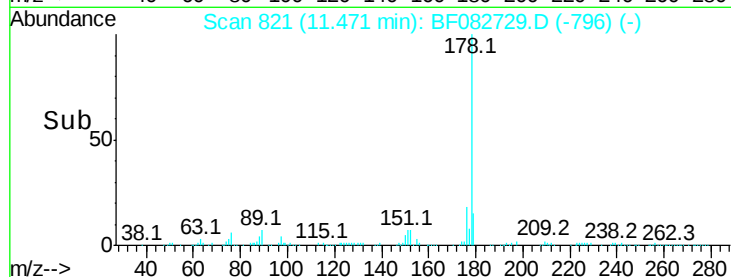
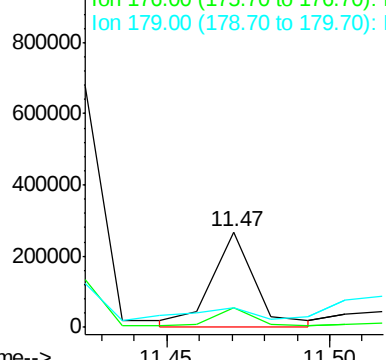
#71
 Anthracene
 Concen: 9.35 ng m
 RT: 11.47 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-117(3)DL

Tot Ion:178 Resp: 246519
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.5 24.7
 179 20.8 13.2 19.8#

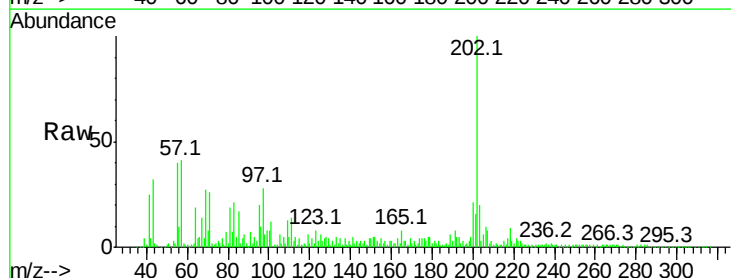


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

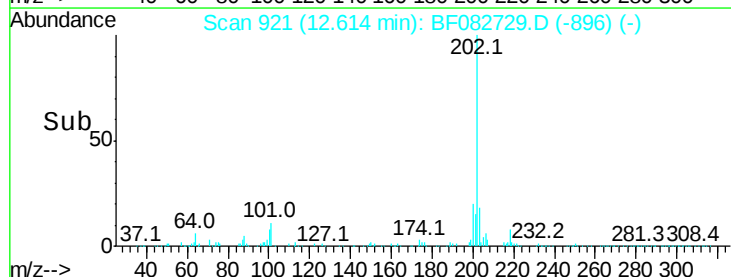
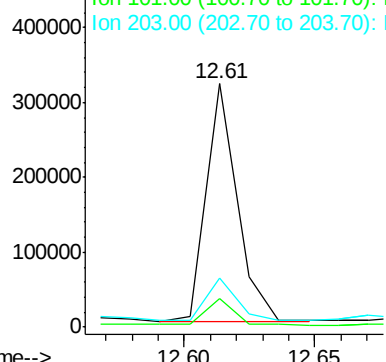


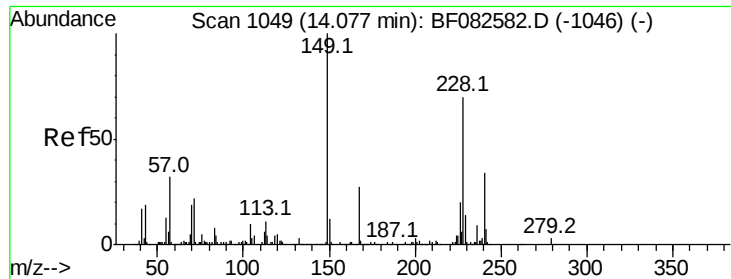
#74
 Fluoranthene
 Concen: 9.84 ng
 RT: 12.61 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

Tgt Ion:202 Resp: 263572
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.5
 203 20.2 0.0 38.5



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: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

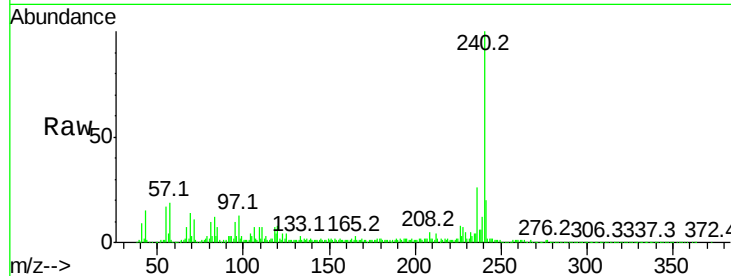
Tot Ion:240 Resp: 351224

Ion Ratio Lower Upper

240 100

120 8.3 10.9 16.3#

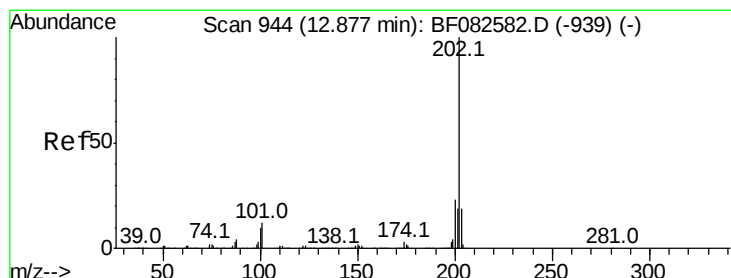
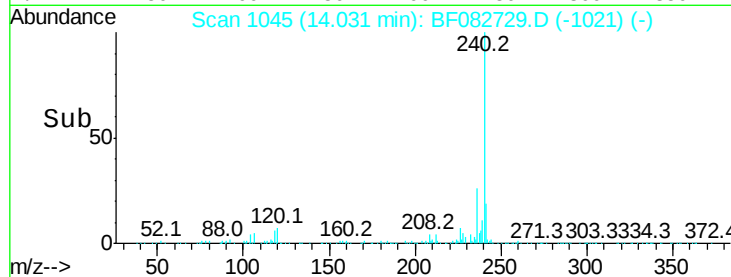
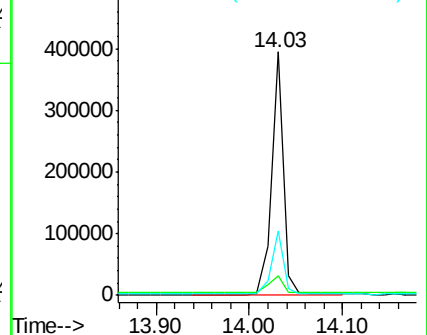
236 26.2 21.6 32.4



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: 18.10 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

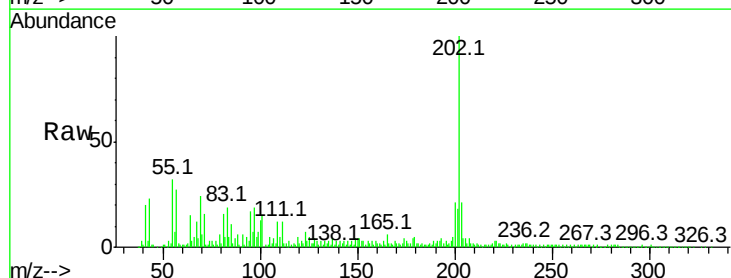
Tgt Ion:202 Resp: 470669

Ion Ratio Lower Upper

202 100

200 21.2 18.7 28.1

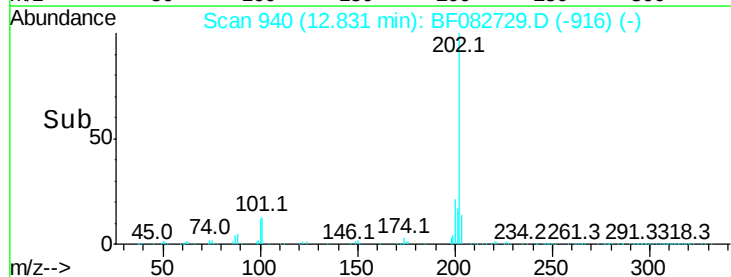
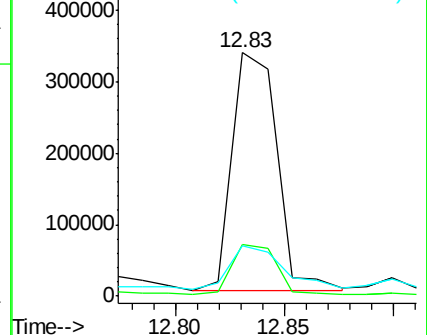
203 20.7 14.8 22.2

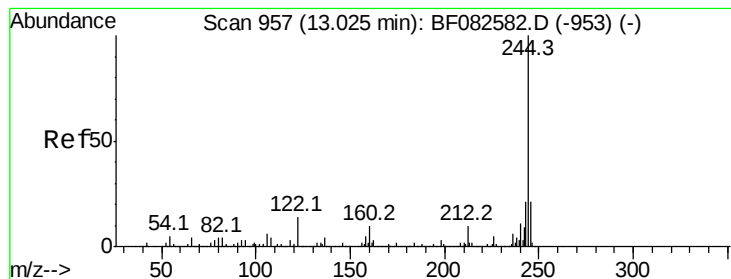


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.84 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

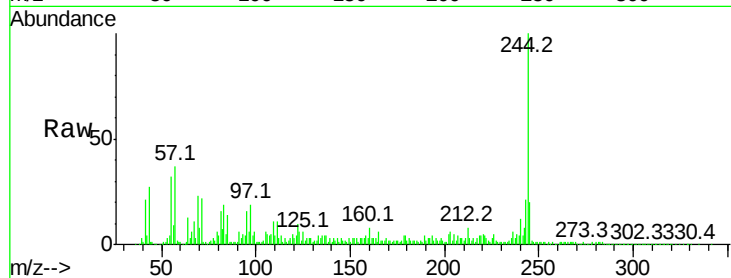
Tot Ion:244 Resp: 270241

Ion Ratio Lower Upper

244 100

212 7.8 7.6 11.4

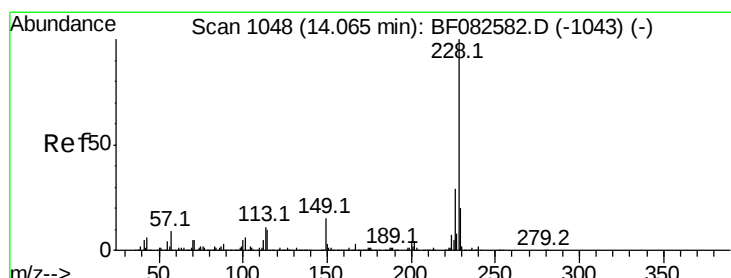
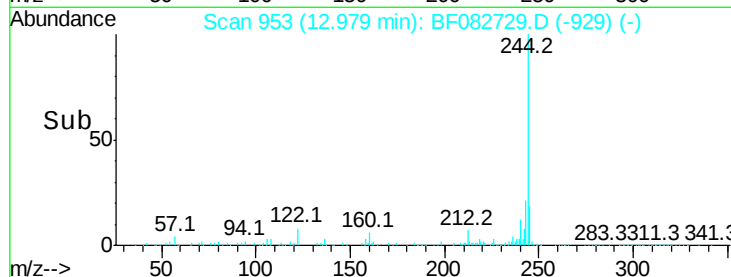
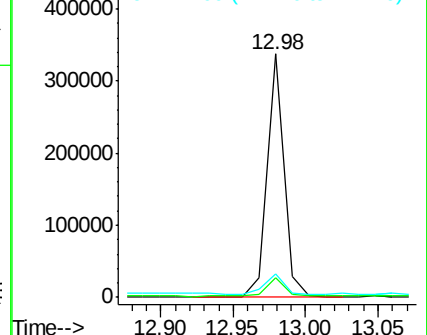
122 9.6 11.3 16.9#



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: 4.89 ng m

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

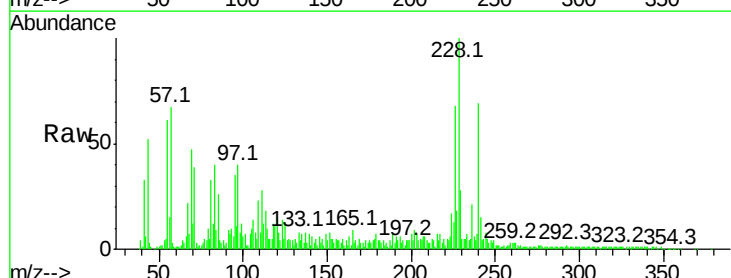
Tgt Ion:228 Resp: 109008

Ion Ratio Lower Upper

228 100

226 68.3 23.4 35.2#

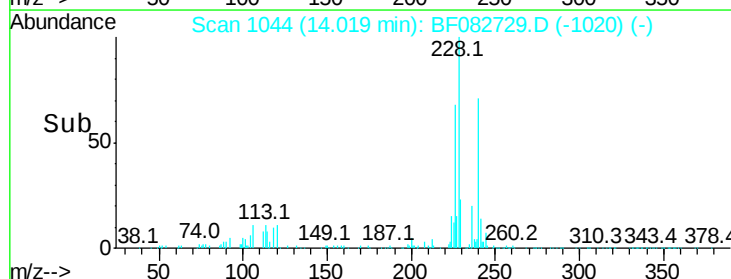
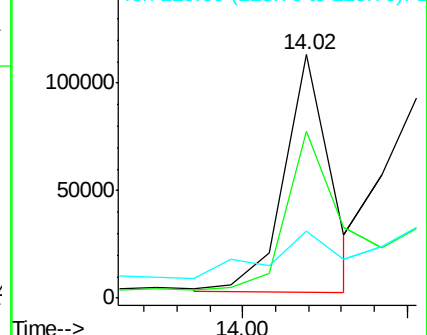
229 27.6 16.3 24.5#

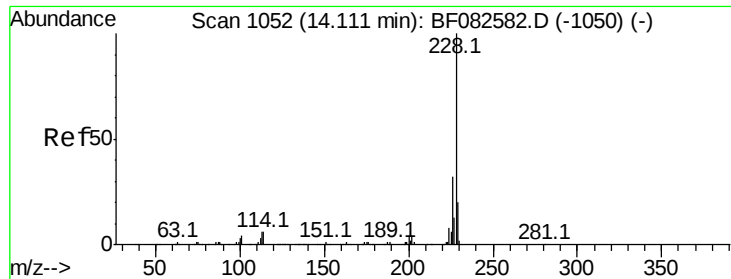


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.48 ng/mL

RT: 14.05 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleID :

TP-117(3)DL

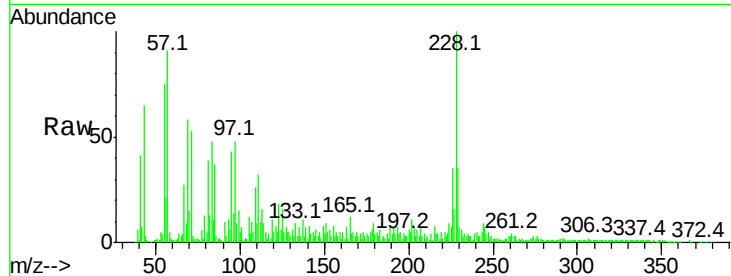
Tot Ion:228 Resp: 110775

Ion Ratio Lower Upper

228 100

226 34.7 25.5 38.3

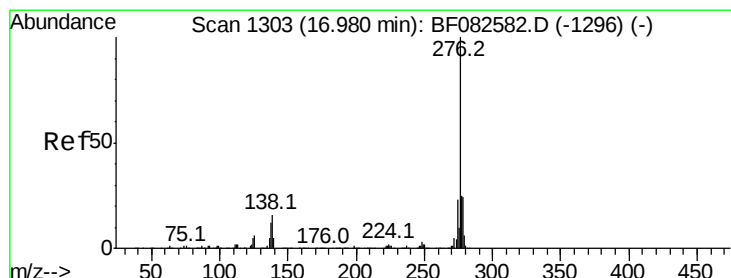
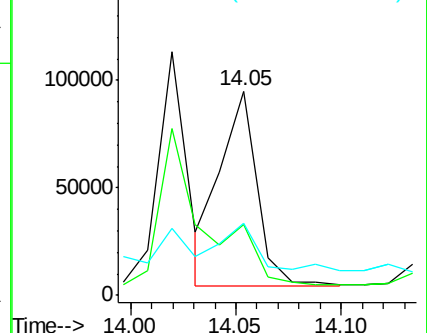
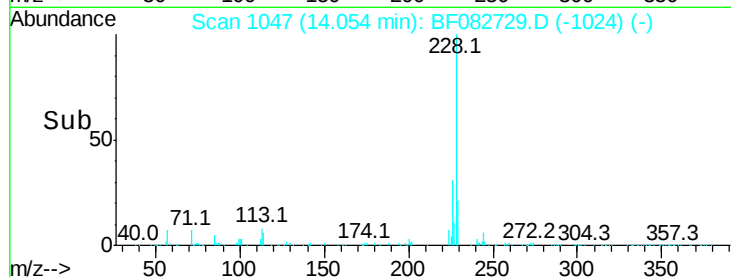
229 35.4 16.3 24.5#



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: 3.15 ng/mL

RT: 16.88 min Scan# 1294

Delta R.T. -0.06 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

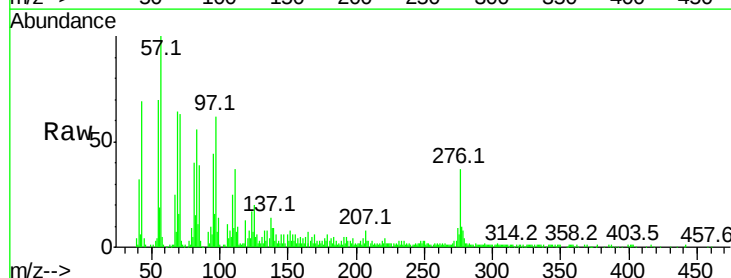
Tgt Ion:276 Resp: 52579

Ion Ratio Lower Upper

276 100

138 18.6 15.3 22.9

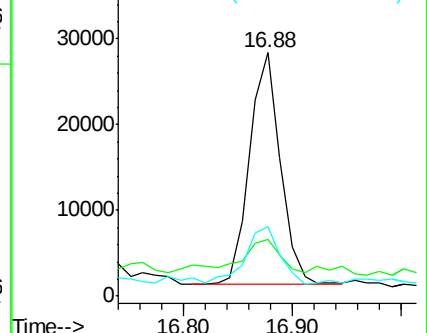
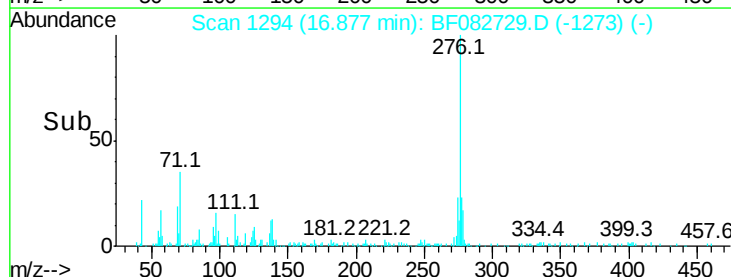
277 27.1 20.2 30.4

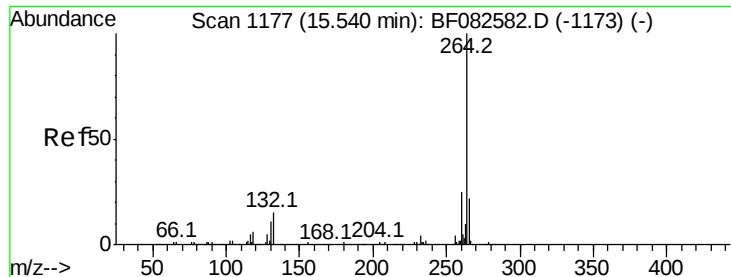


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.48 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

Instrument :

BNA_F

ClientSampleId :

TP-117(3)DL

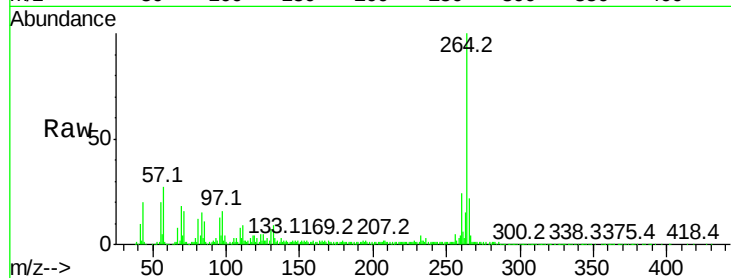
Tot Ion:264 Resp: 354565

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

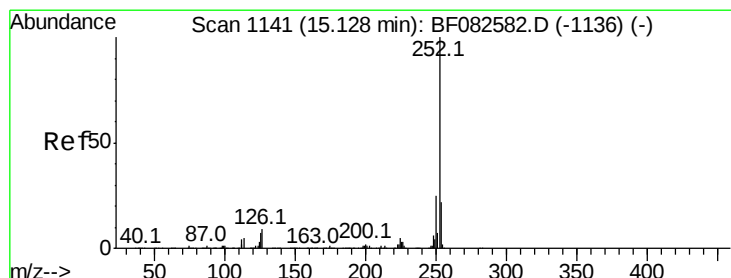
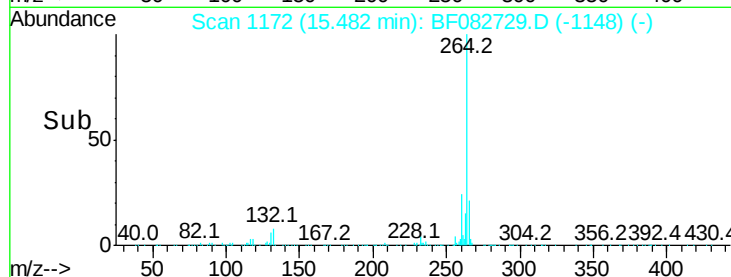
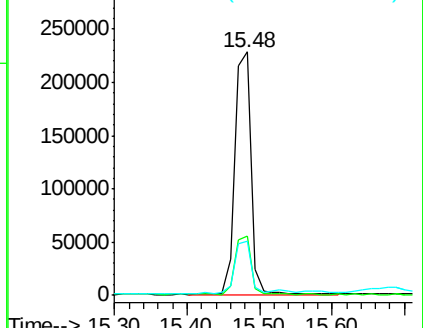
265 22.1 17.4 26.0



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: 3.20 ng m

RT: 15.06 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BF082729.D

Acq: 5 Nov 2015 15:07

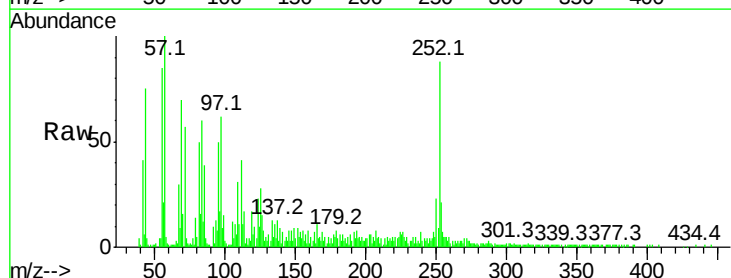
Tgt Ion:252 Resp: 78161

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

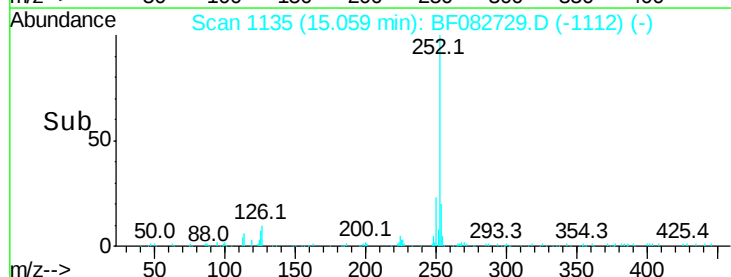
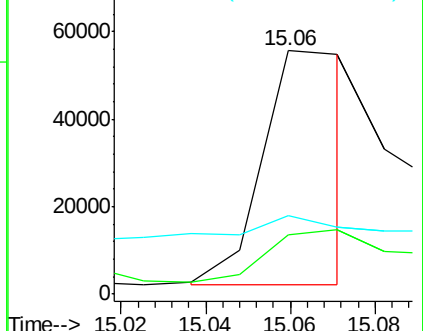
125 32.4 5.4 8.2#

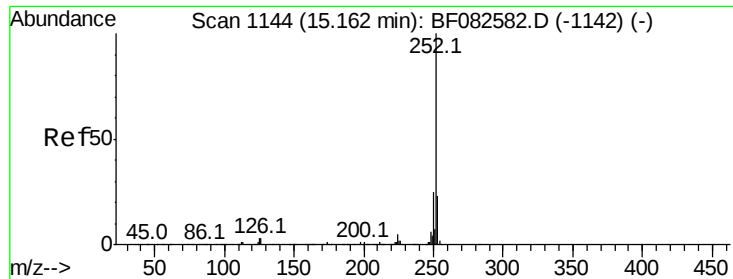


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

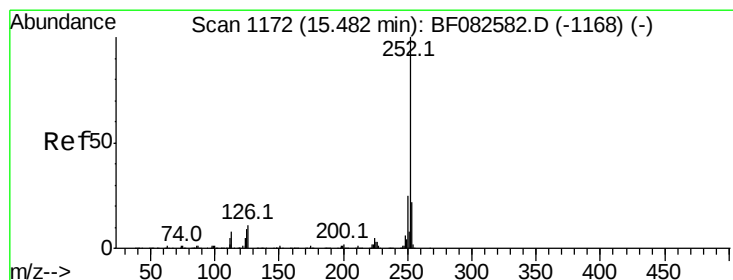
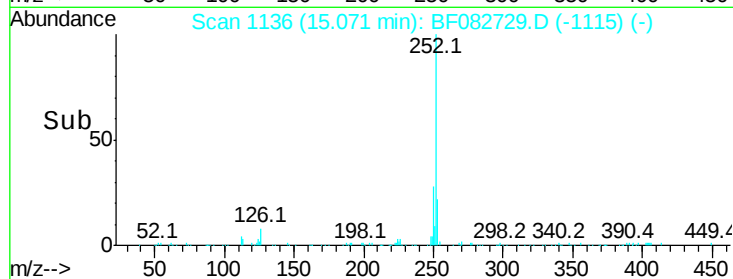
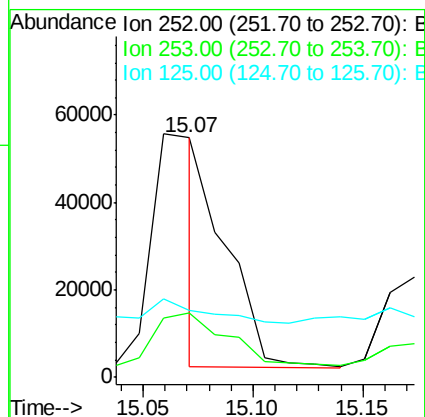
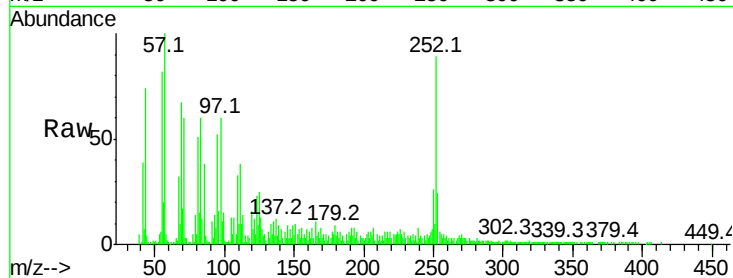




#88
Benzo(k)fluoranthene
Concen: 2.19 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BF082729.D
Acq: 5 Nov 2015 15:07

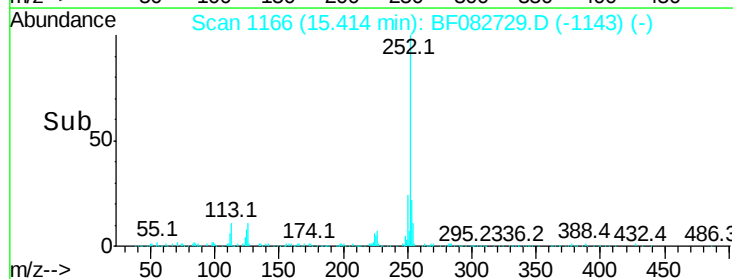
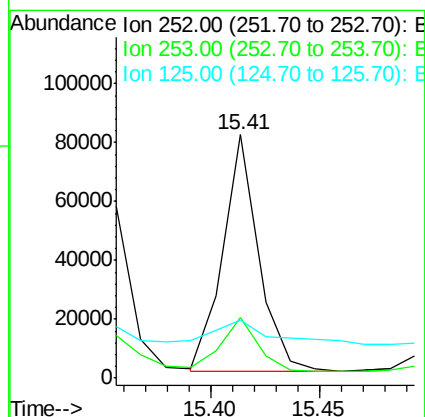
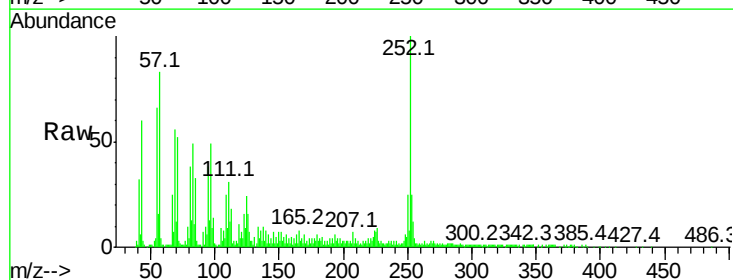
Instrument :
BNA_F
ClientSampleId :
TP-117(3)DL

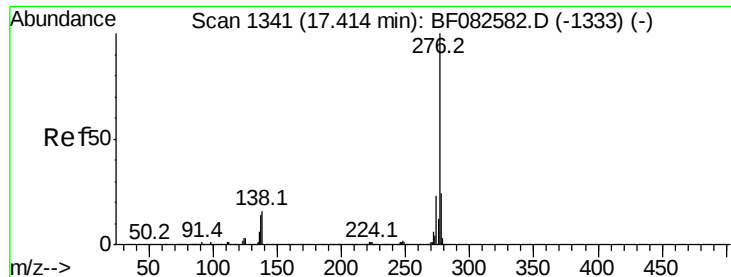
Tot Ion:252 Resp: 40868
Ion Ratio Lower Upper
252 100
253 26.8 17.9 26.9
125 27.7 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 4.79 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF082729.D
Acq: 5 Nov 2015 15:07

Tgt Ion:252 Resp: 92250
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 23.6 7.1 10.7#





#91
 Benzo(a,h,i)perylene
 Concen: 3.91 ng
 RT: 17.30 min Scan# 1331
 Delta R.T. -0.06 min
 Lab File: BF082729.D
 Acq: 5 Nov 2015 15:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-117(3)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	19.7	13.1	19.7

