

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\
 Data File : BF082728.D
 Acq On : 5 Nov 2015 14:38
 Operator : UM/IZ
 Sample : G4241-01DL 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17(3)DL

Quant Time: Nov 06 04:32:36 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

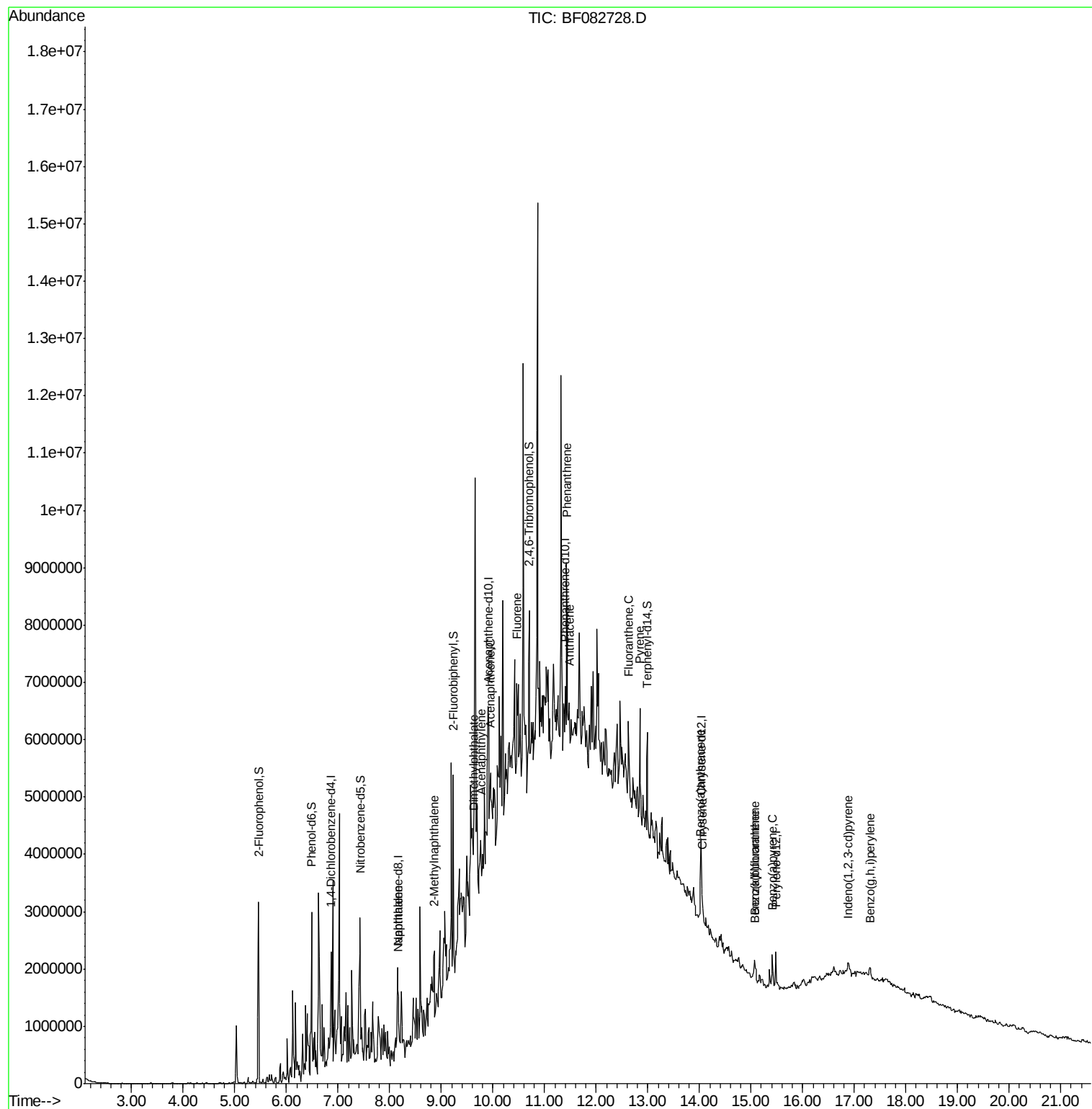
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	171361	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	582693	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	281537	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	439125	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	344971	20.00	ng	-0.02
86) Perylene-d12	15.48	264	368582	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	760221	66.82	ng	-0.01
7) Phenol-d6	6.49	99	908720	60.12	ng	-0.02
23) Nitrobenzene-d5	7.42	82	739964	51.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	214801	69.71	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	889926	44.88	ng	-0.02
78) Terphenyl-d14	12.99	244	620011	39.33	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.17	128	439224	13.93	ng	99
37) 2-Methylnaphthalene	8.86	142	198787	9.73	ng	97
48) Acenaphthylene	9.77	152	196897	6.63	ng	# 87
49) Dimethylphthalate	9.62	163	197735	8.60	ng	# 94
51) Acenaphthene	9.95	154	325707	17.27	ng	93
57) Fluorene	10.46	166	295437m	14.32	ng	
70) Phenanthrene	11.42	178	1165514	47.06	ng	# 96
71) Anthracene	11.48	178	332048	13.32	ng	# 92
74) Fluoranthene	12.63	202	512413	20.24	ng	90
77) Pyrene	12.84	202	974805	38.16	ng	98
80) Benzo(a)anthracene	14.02	228	315811m	14.41	ng	
82) Chrysene	14.05	228	185850m	9.36	ng	
85) Indeno(1,2,3-cd)pyrene	16.88	276	140835	8.59	ng	96
87) Benzo(b)fluoranthene	15.07	252	256499m	10.09	ng	
88) Benzo(k)fluoranthene	15.08	252	73015m	3.77	ng	
89) Benzo(a)pyrene	15.41	252	239746	11.98	ng	# 87
91) Benzo(a,h,i)perylene	17.31	276	171689	9.49	ng	98

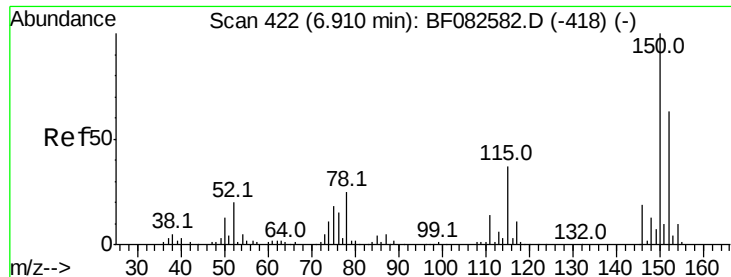
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

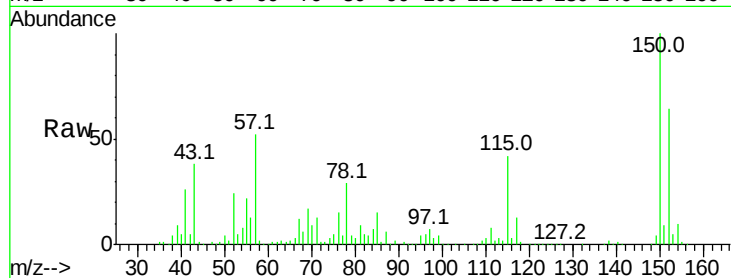
Tot Ion:152 Resp: 171361

Ion Ratio Lower Upper

152 100

150 155.1 127.0 190.4

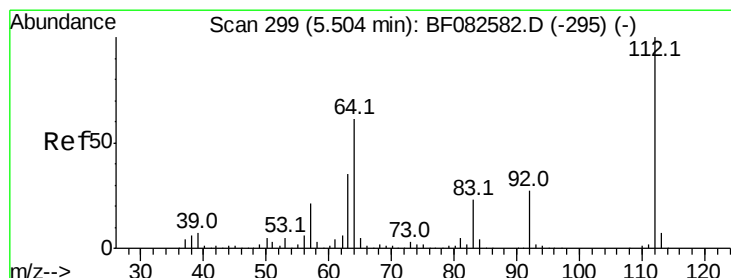
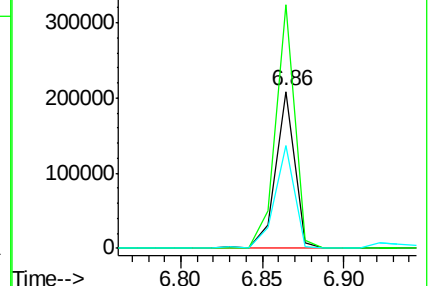
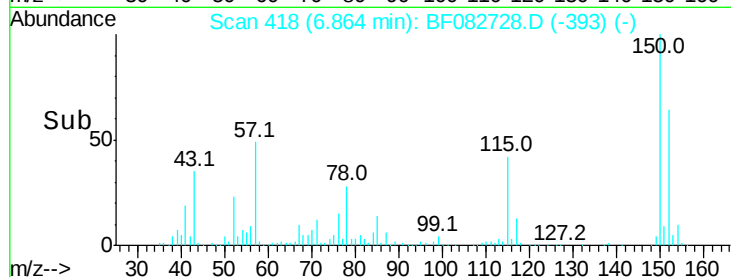
115 65.1 47.0 70.6



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: 66.82 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

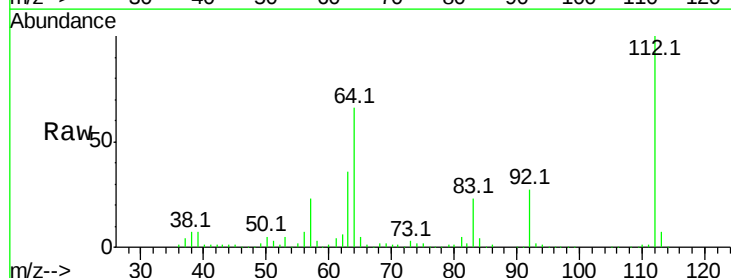
Tgt Ion:112 Resp: 760221

Ion Ratio Lower Upper

112 100

64 65.5 48.9 73.3

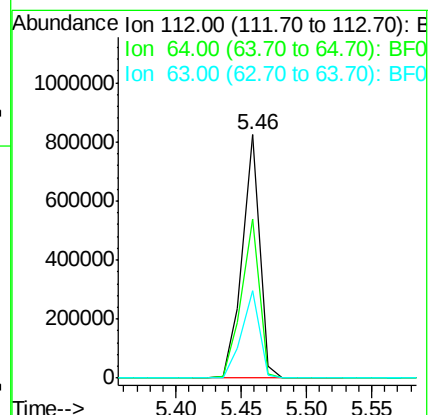
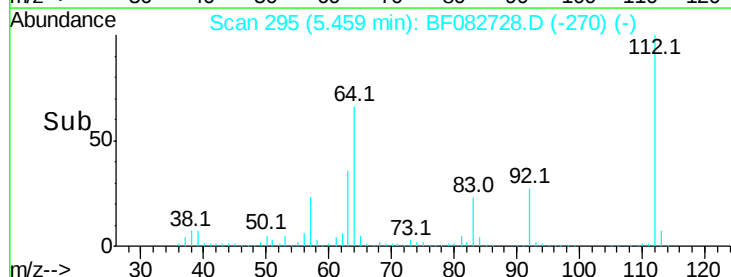
63 35.9 28.1 42.1

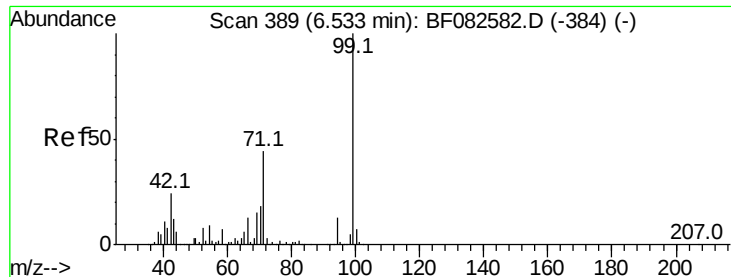


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.12 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

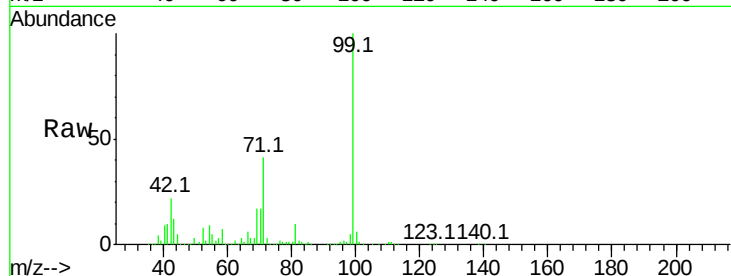
Tot Ion: 99 Resp: 908720

Ion Ratio Lower Upper

99 100

42 22.0 19.2 28.8

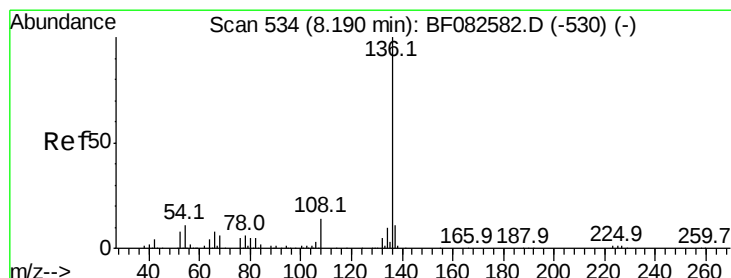
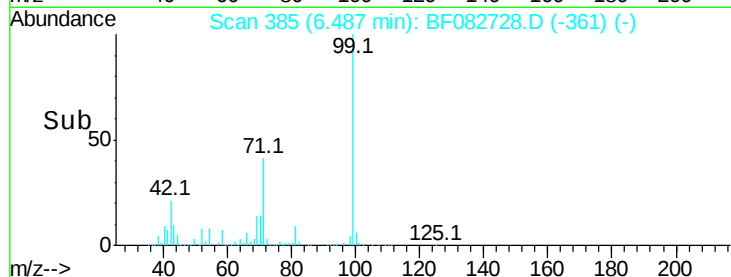
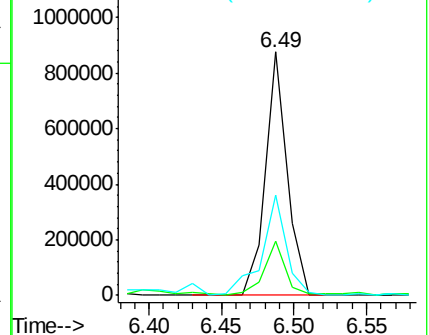
71 41.3 35.0 52.4



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: BF082728.D

Acq: 5 Nov 2015 14:38

Tgt Ion: 136 Resp: 582693

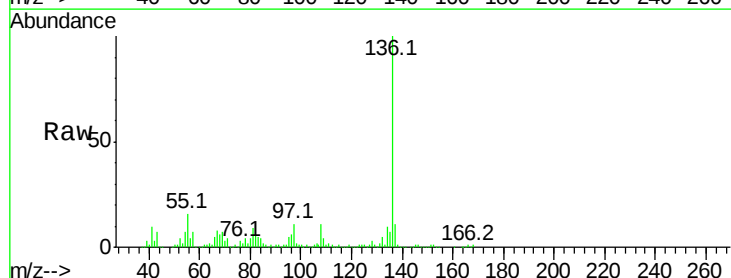
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.3 9.1 13.7#

68 5.6 4.8 7.2

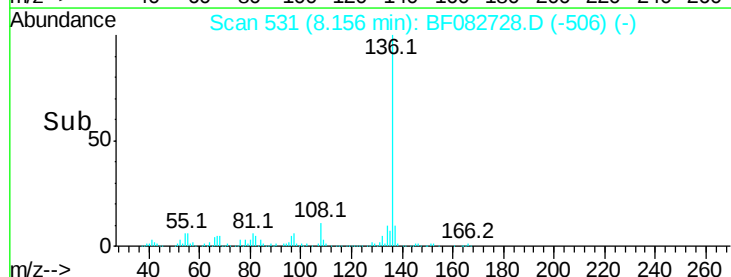
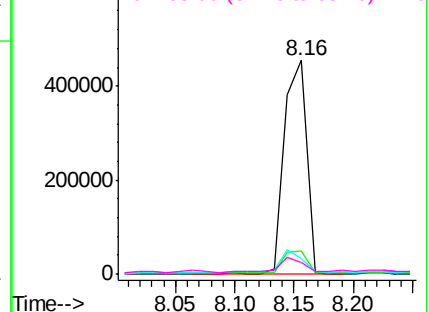


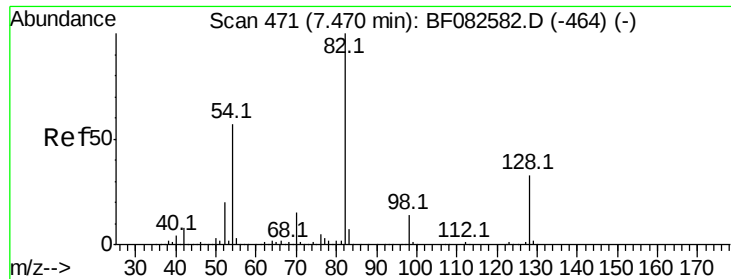
Abundance Ion 136.00 (135.70 to 136.70): E

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

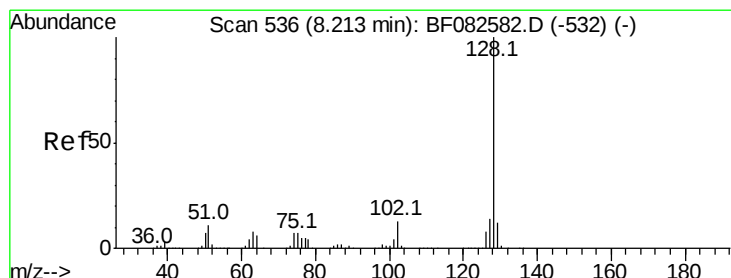
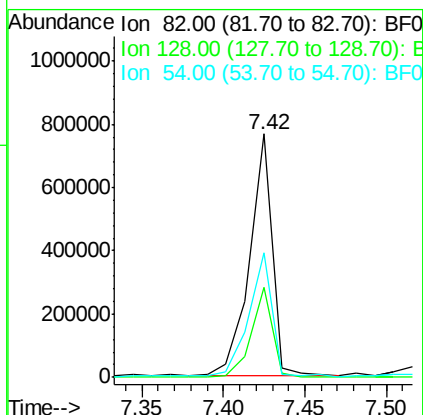
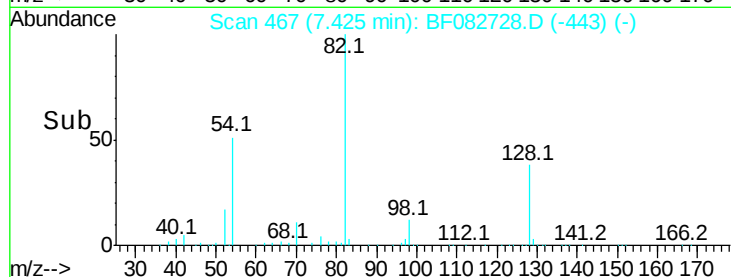
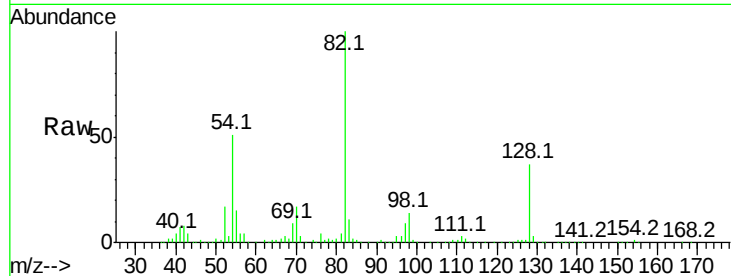




#23
 Nitrobenzene-d5
 Concen: 51.86 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF082728.D
 Acq: 5 Nov 2015 14:38

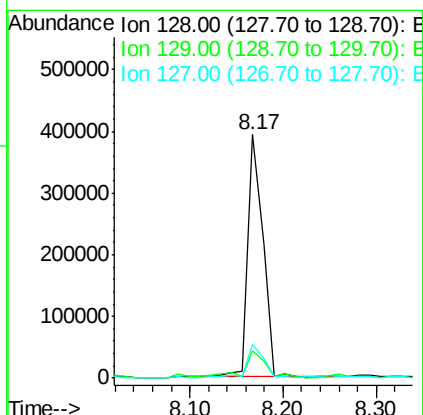
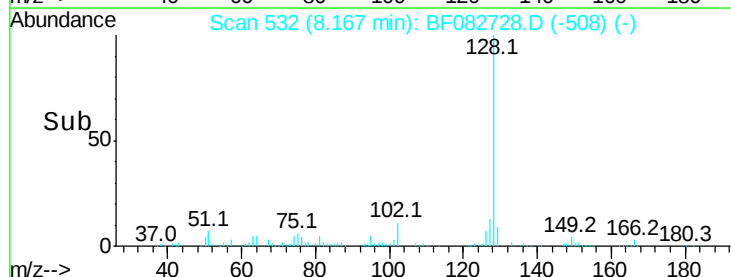
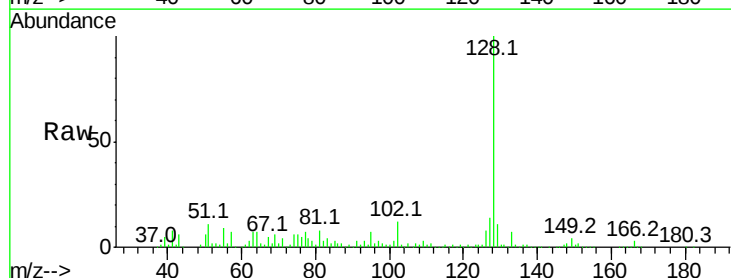
Instrument :
 BNA_F
 ClientSampled :
 TP-17(3)DL

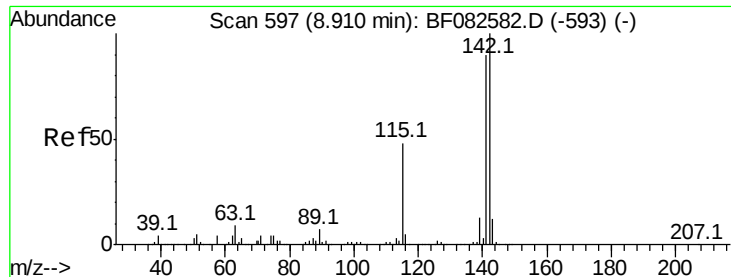
Tot Ion: 82 Resp: 739964
 Ion Ratio Lower Upper
 82 100
 128 36.9 26.8 40.2
 54 50.9 45.7 68.5



#31
 Naphthalene
 Concen: 13.93 ng
 RT: 8.17 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: BF082728.D
 Acq: 5 Nov 2015 14:38

Tgt Ion: 128 Resp: 439224
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.5 14.3
 127 13.6 11.4 17.0

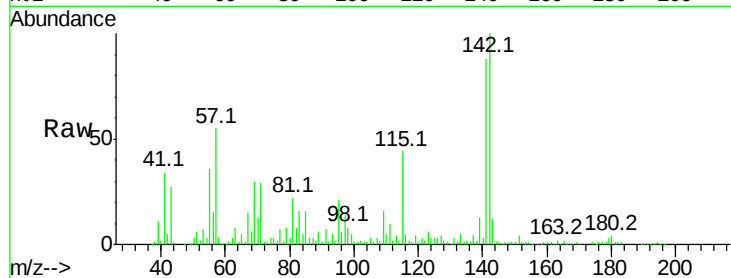




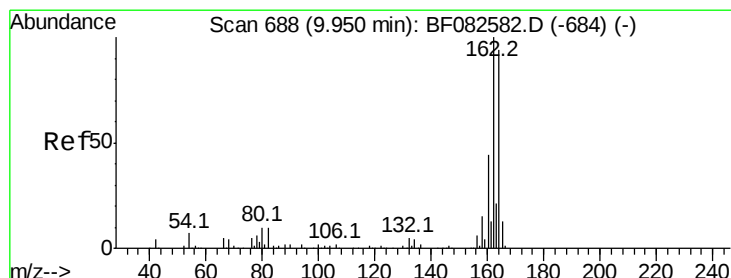
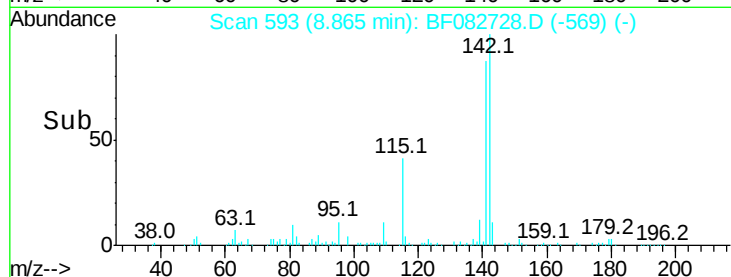
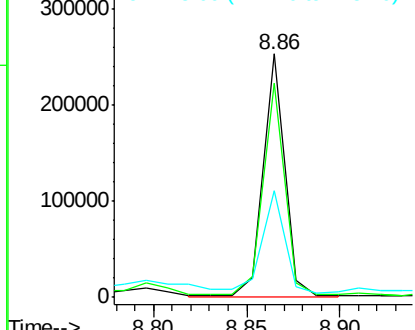
#37
2-Methylnaphthalene
Concen: 9.73 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tot Ion:142 Resp: 198787
Ion Ratio Lower Upper
142 100
141 88.2 72.3 108.5
115 43.9 38.1 57.1

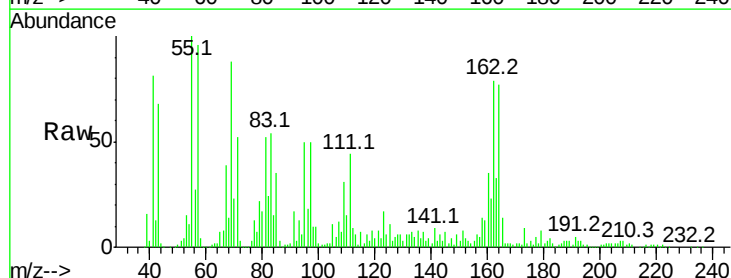


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

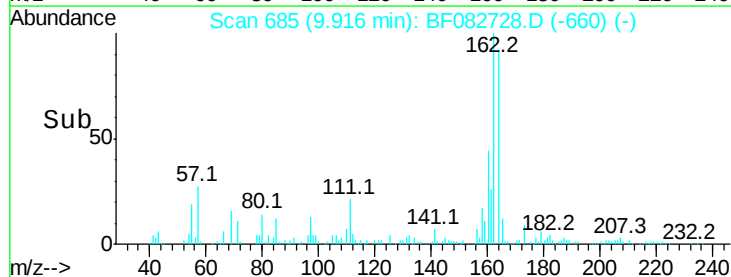
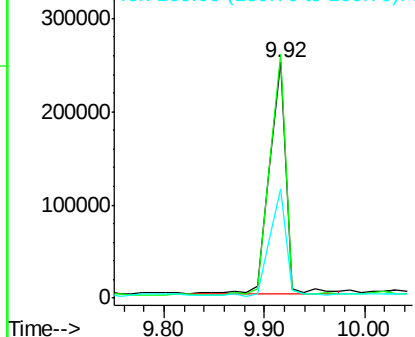


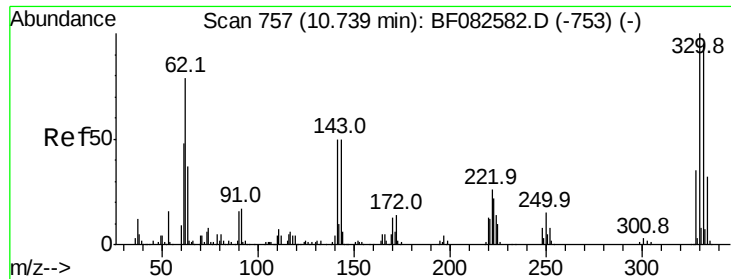
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:164 Resp: 281537
Ion Ratio Lower Upper
164 100
162 103.2 84.9 127.3
160 46.2 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

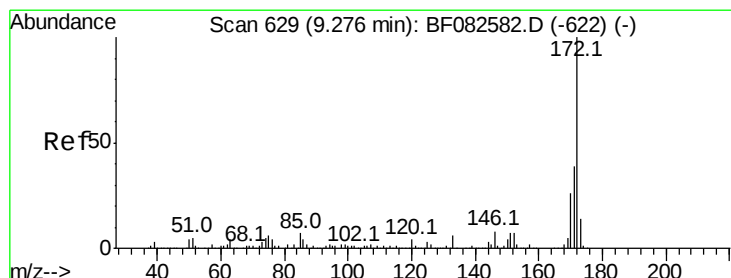
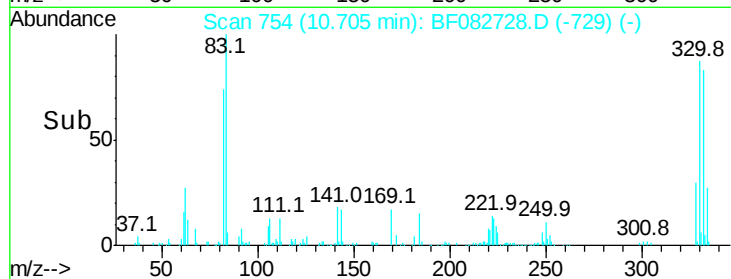
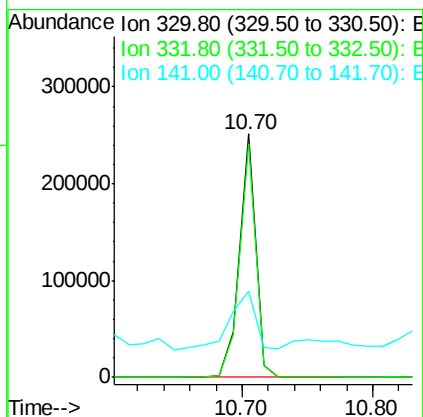
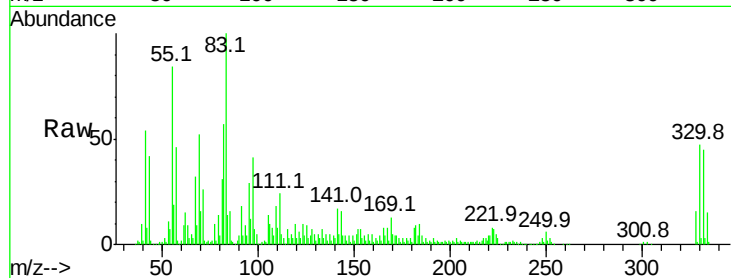




#41
 2,4,6-Tribromophenol
 Concen: 69.71 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082728.D
 Acq: 5 Nov 2015 14:38

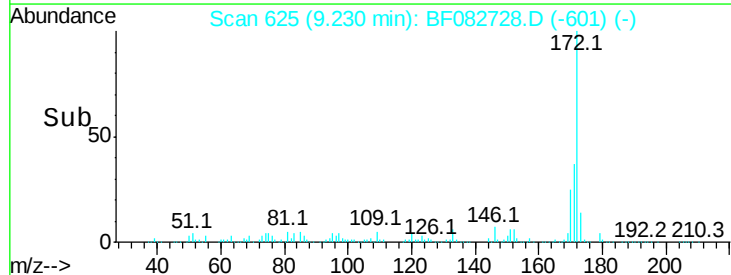
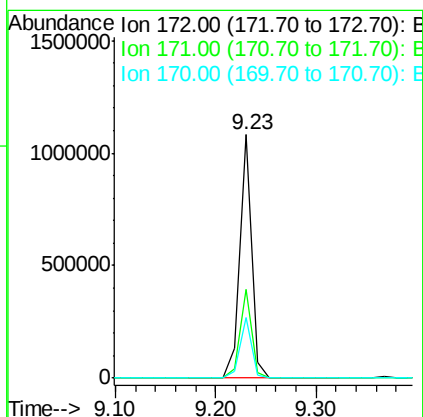
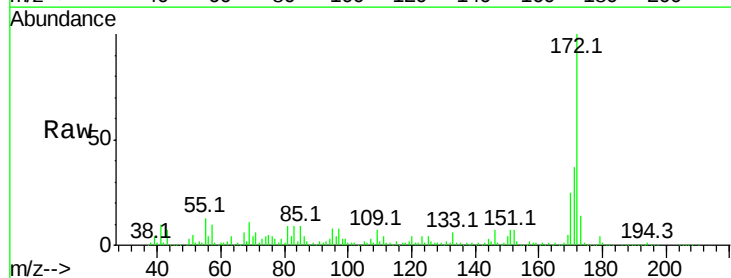
Instrument :
 BNA_F
 ClientSampleId :
 TP-17(3)DL

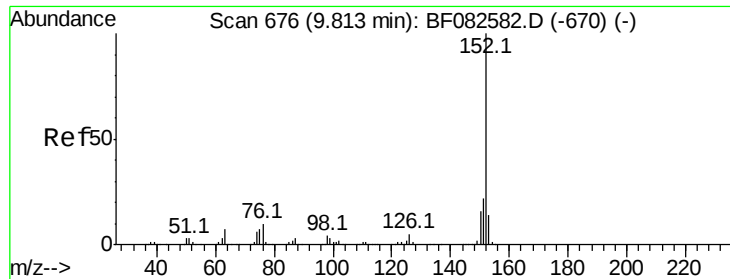
Tot Ion:330 Resp: 214801
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 34.6 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 44.88 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF082728.D
 Acq: 5 Nov 2015 14:38

Tgt Ion:172 Resp: 889926
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.8 46.2
 170 25.0 21.2 31.8





#48

Acenaphthylene

Concen: 6.63 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

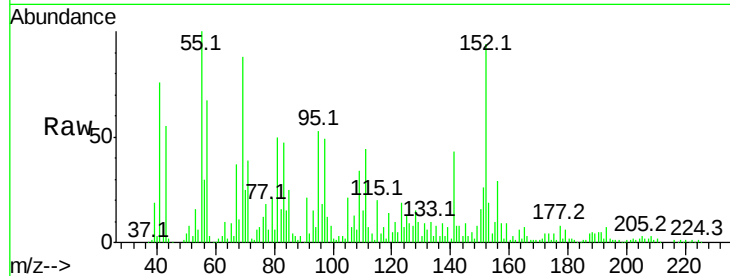
Tot Ion:152 Resp: 196897

Ion Ratio Lower Upper

152 100

151 27.1 17.3 25.9#

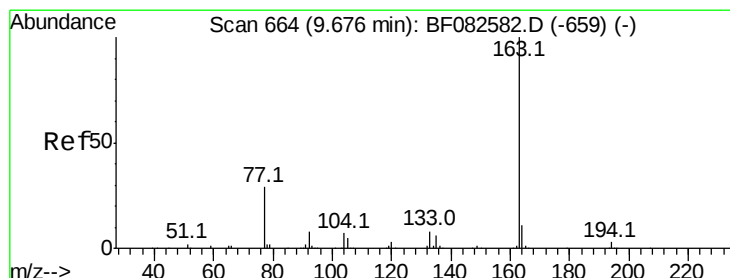
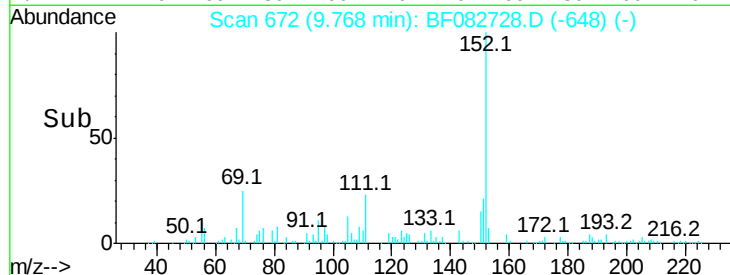
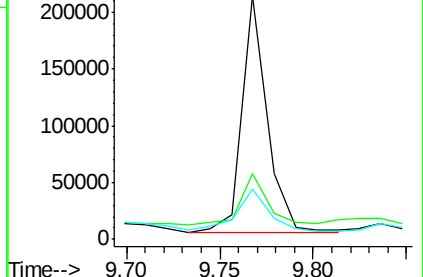
153 20.6 11.3 16.9#



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: 8.60 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

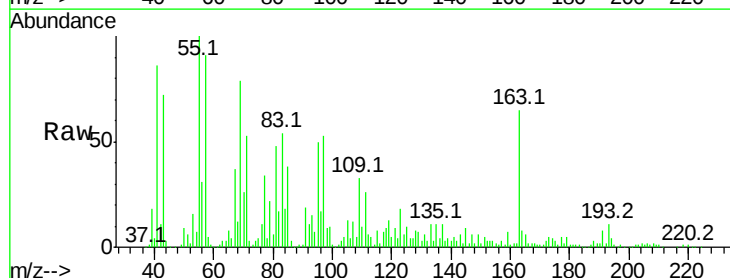
Tgt Ion:163 Resp: 197735

Ion Ratio Lower Upper

163 100

194 6.8 2.6 4.0#

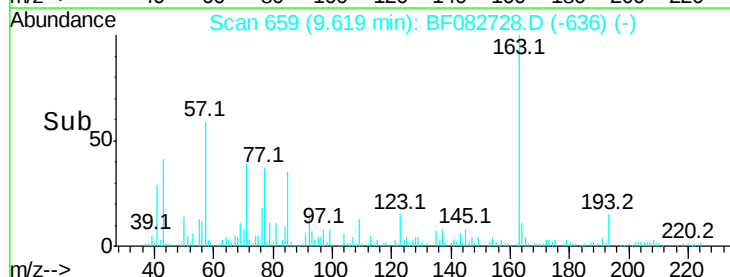
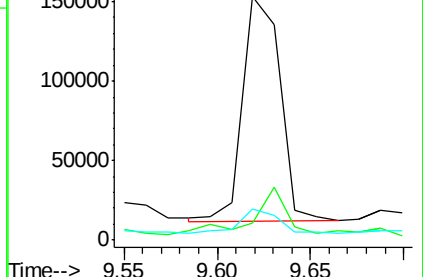
164 12.7 8.7 13.1

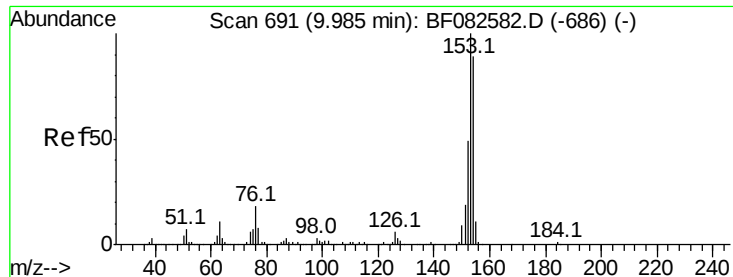


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 17.27 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

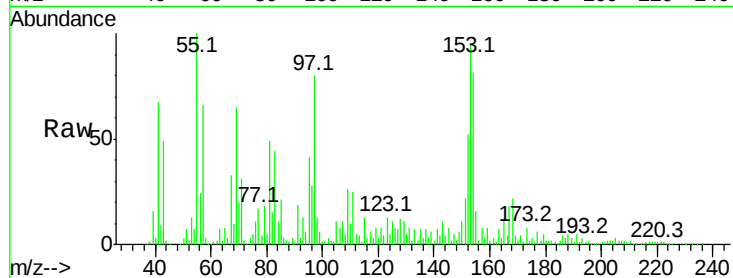
Tot Ion:154 Resp: 325707

Ion Ratio Lower Upper

154 100

153 117.2 90.1 135.1

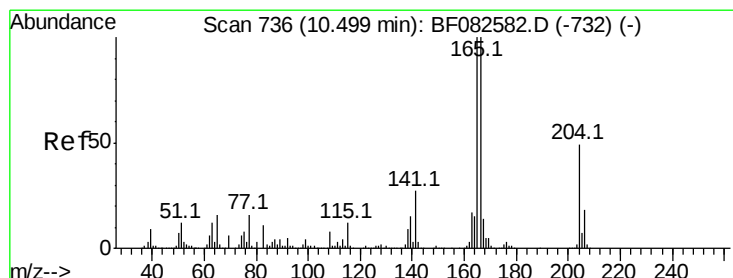
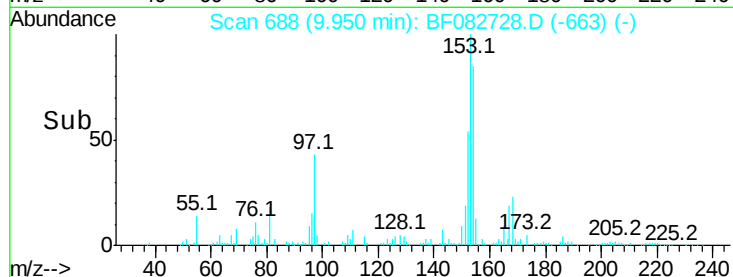
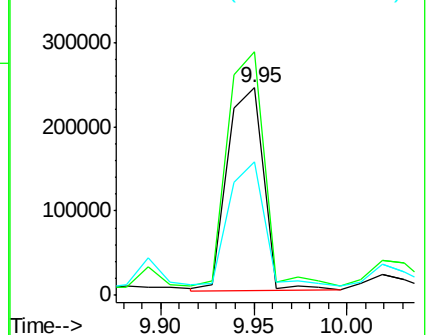
152 64.3 44.3 66.5



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: 14.32 ng m

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

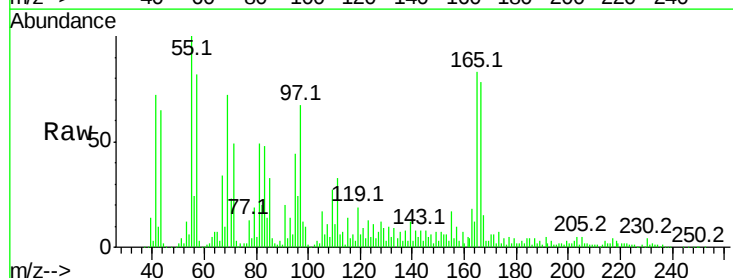
Tgt Ion:166 Resp: 295437

Ion Ratio Lower Upper

166 100

165 105.8 80.2 120.4

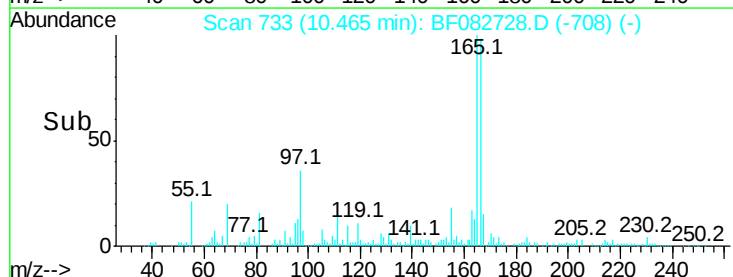
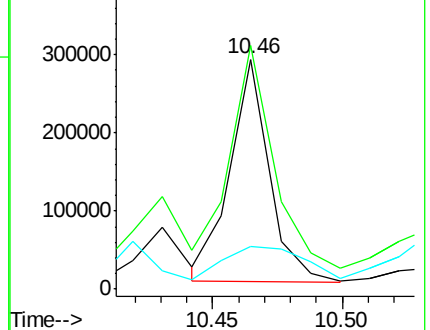
167 18.8 11.2 16.8#

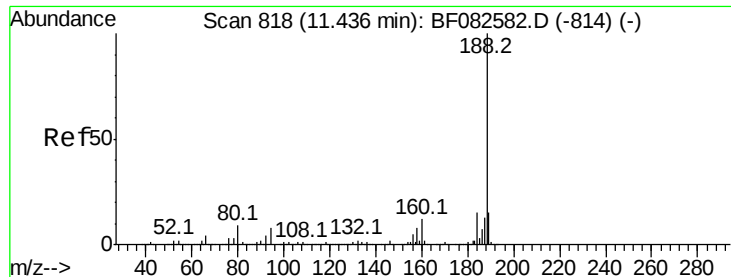


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.40 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

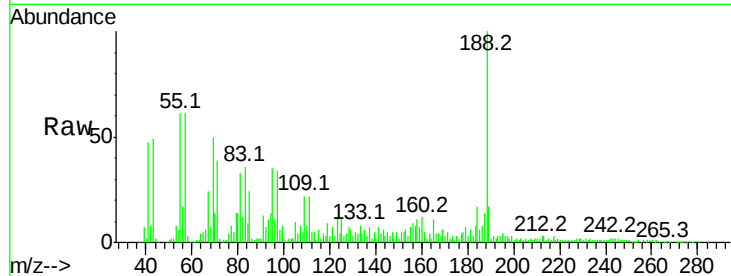
Tot Ion:188 Resp: 439125

Ion Ratio Lower Upper

188 100

94 13.5 6.1 9.1#

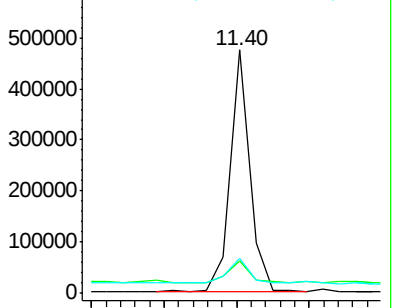
80 14.2 7.0 10.6#



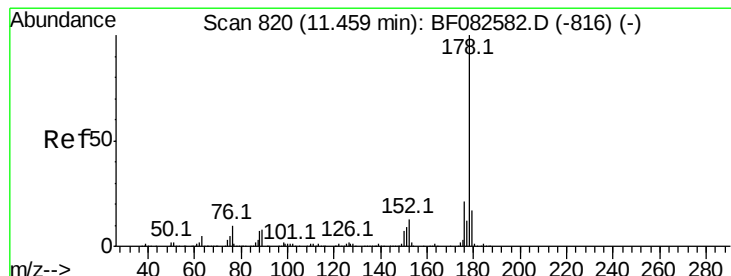
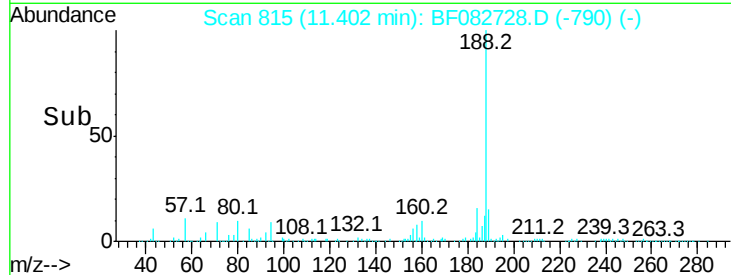
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.30 11.35 11.40 11.45



#70

Phenanthrene

Concen: 47.06 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

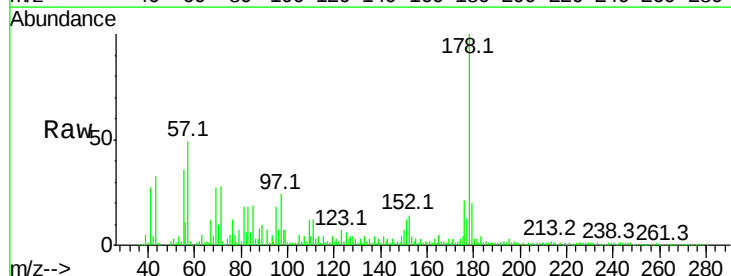
Tgt Ion:178 Resp: 1165514

Ion Ratio Lower Upper

178 100

176 20.6 17.0 25.4

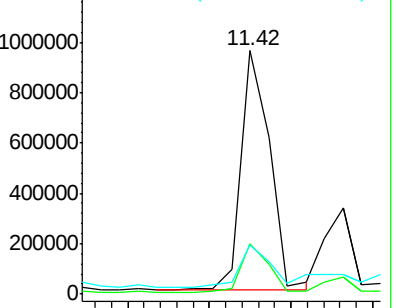
179 20.2 13.4 20.0#



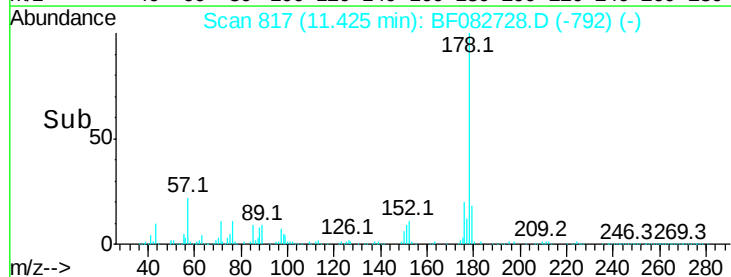
Abundance Ion 178.00 (177.70 to 178.70): E

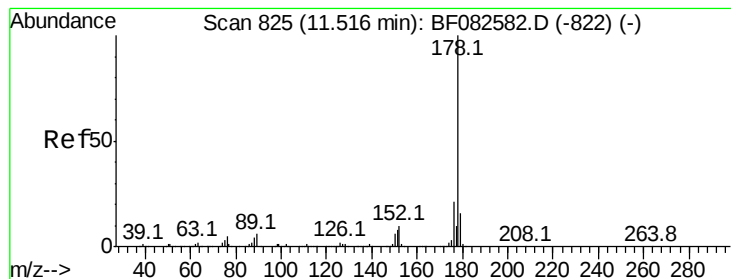
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.35 11.40 11.45





#71

Anthracene

Concen: 13.32 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

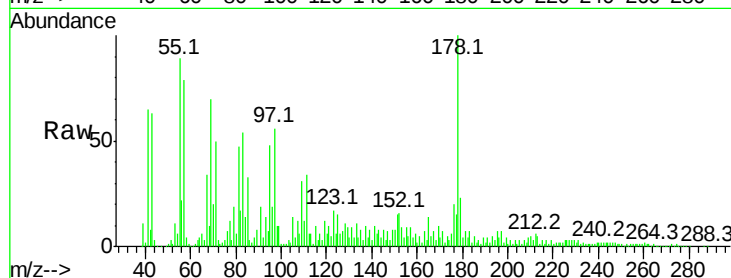
Tot Ion:178 Resp: 332048

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

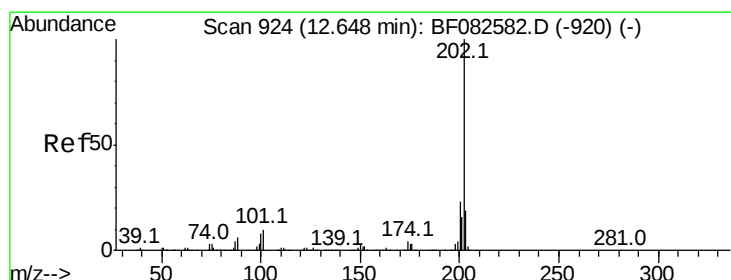
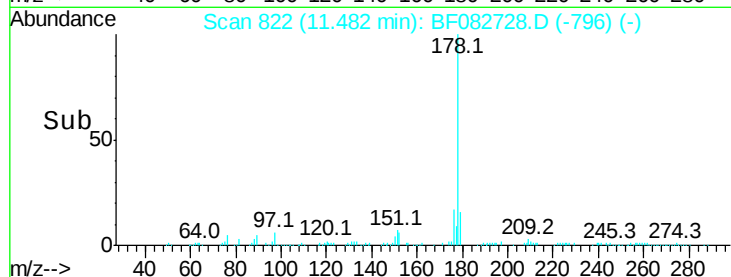
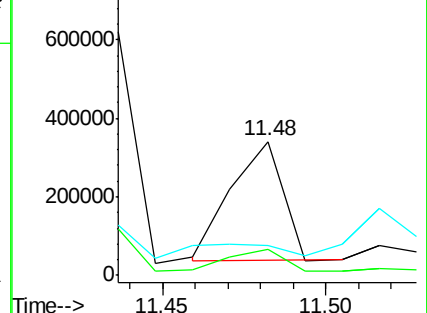
179 22.7 13.2 19.8#



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: 20.24 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

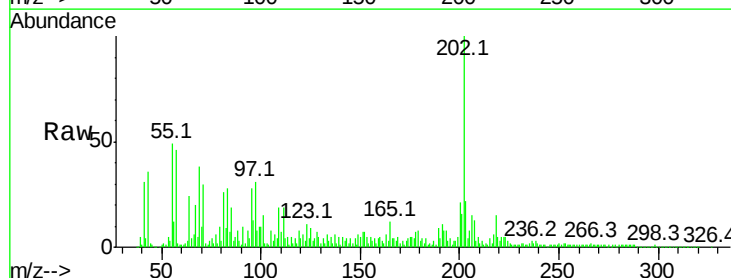
Tgt Ion:202 Resp: 512413

Ion Ratio Lower Upper

202 100

101 15.2 0.0 30.5

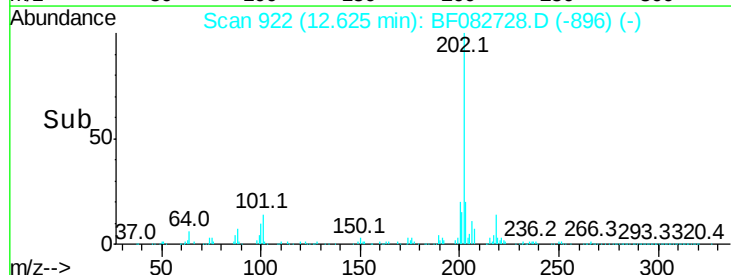
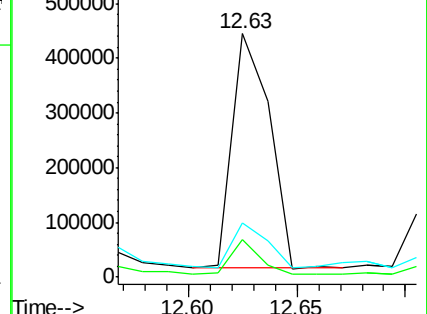
203 22.2 0.0 38.5

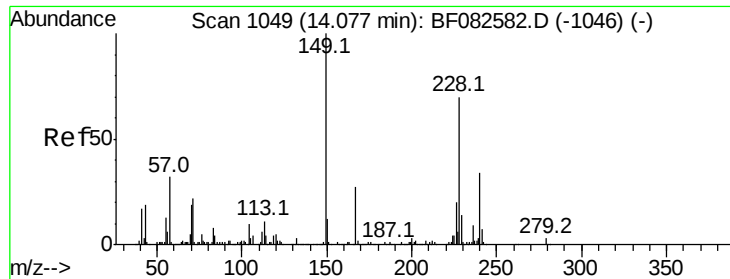


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

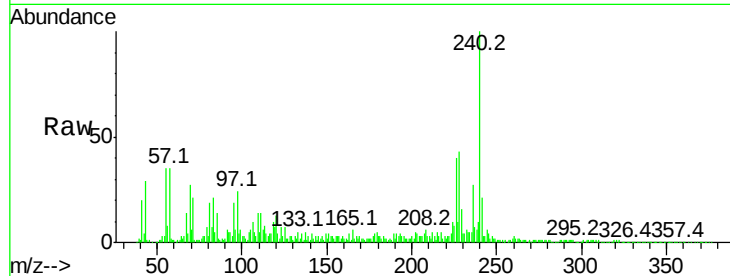
Tot Ion:240 Resp: 344971

Ion Ratio Lower Upper

240 100

120 13.3 10.9 16.3

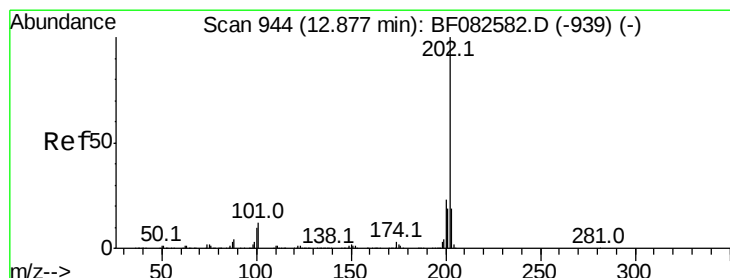
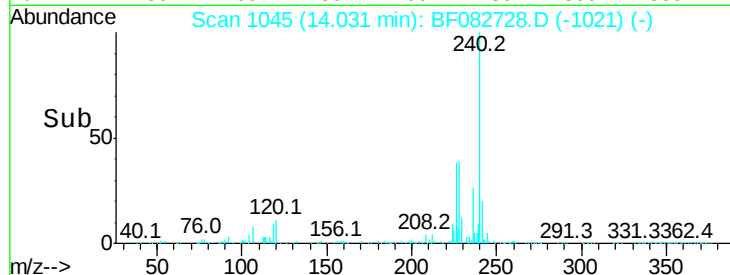
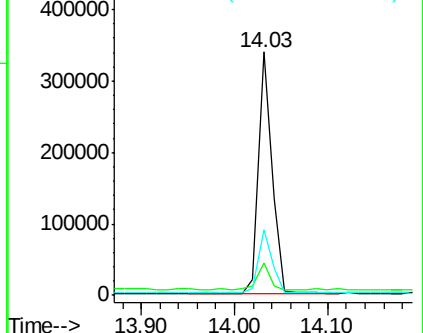
236 27.2 21.6 32.4



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: 38.16 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

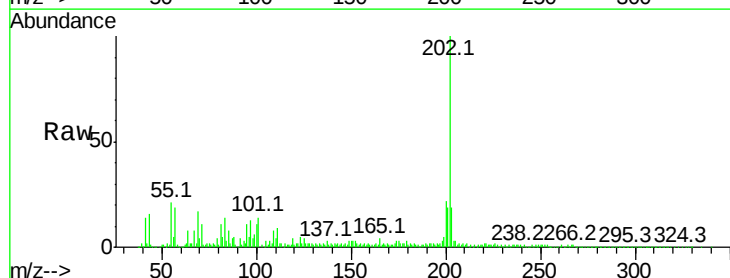
Tgt Ion:202 Resp: 974805

Ion Ratio Lower Upper

202 100

200 22.0 18.7 28.1

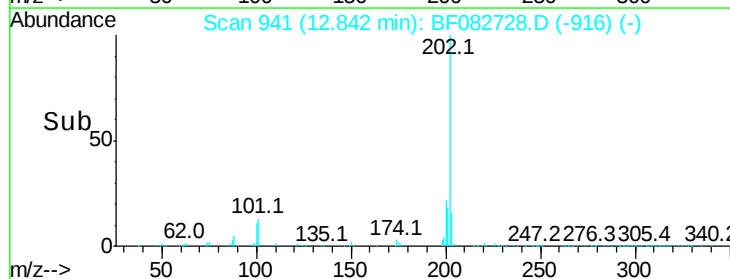
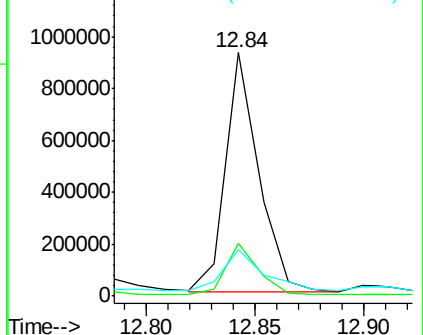
203 19.2 14.8 22.2

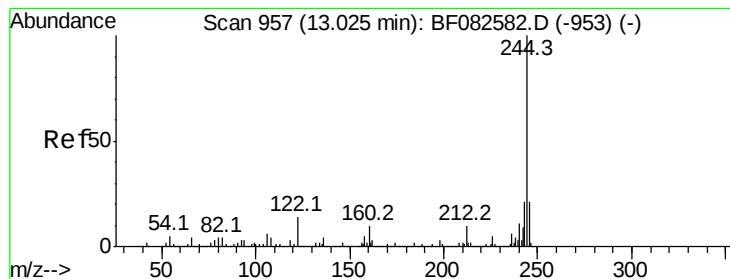


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.33 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

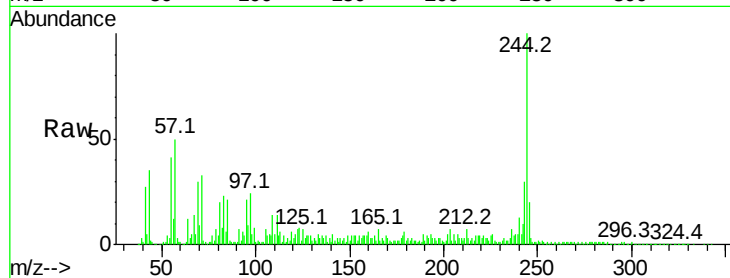
Tot Ion:244 Resp: 620011

Ion Ratio Lower Upper

244 100

212 7.3 7.6 11.4#

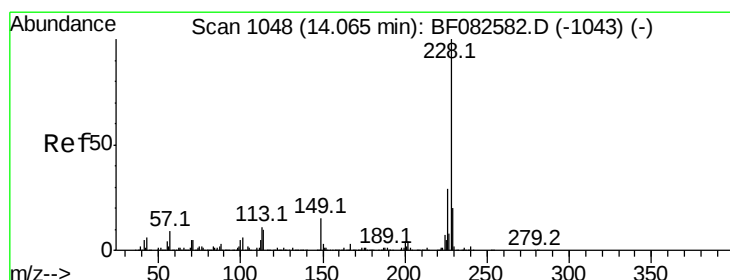
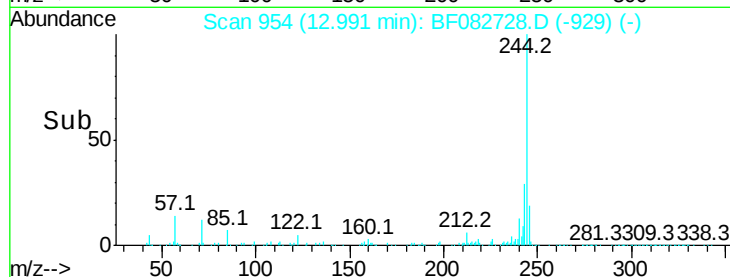
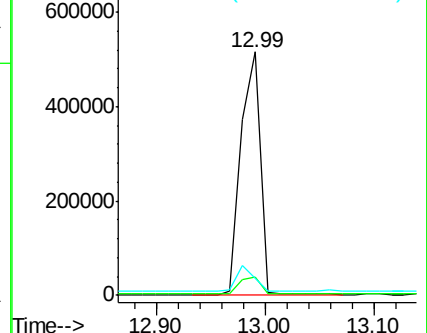
122 7.0 11.3 16.9#



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: 14.41 ng m

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

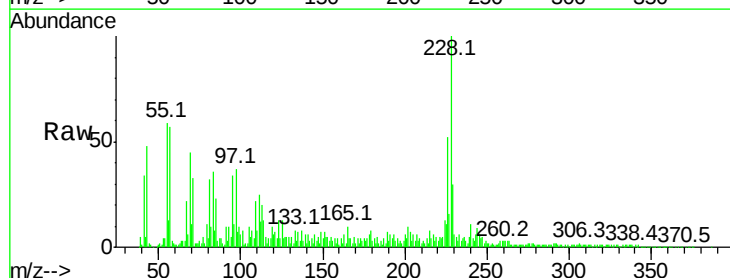
Tgt Ion:228 Resp: 315811

Ion Ratio Lower Upper

228 100

226 51.5 23.4 35.2#

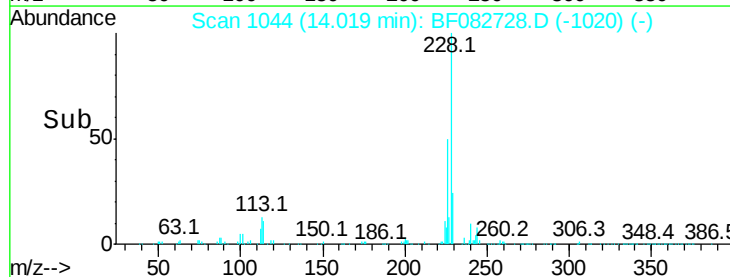
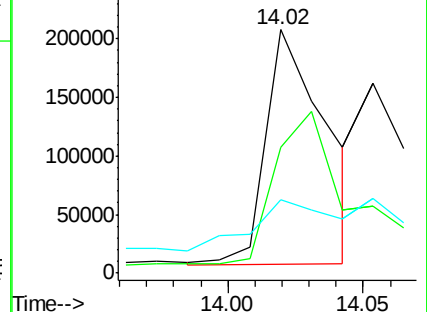
229 30.3 16.3 24.5#

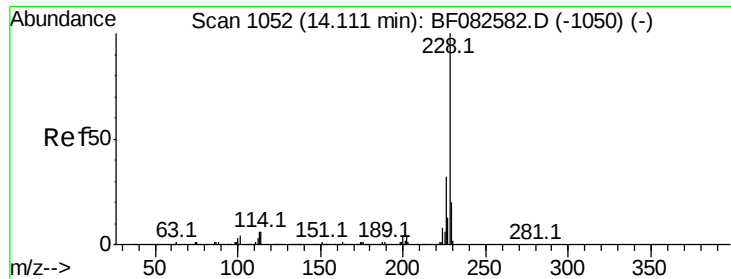


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.36 ng/mL

RT: 14.05 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

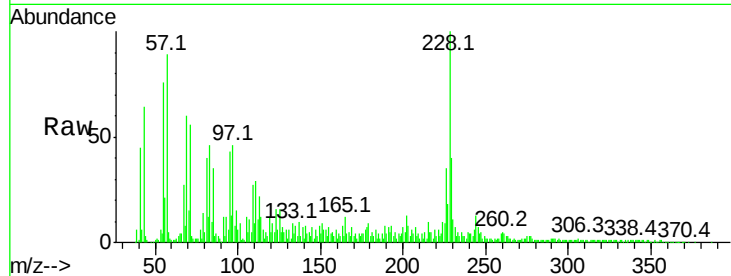
Tot Ion:228 Resp: 185850

Ion Ratio Lower Upper

228 100

226 35.3 25.5 38.3

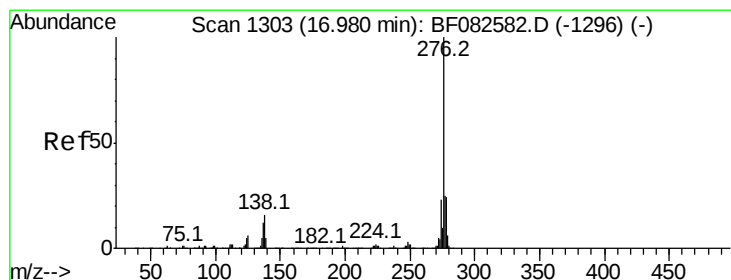
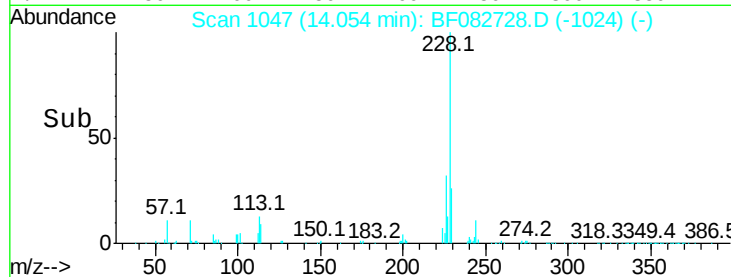
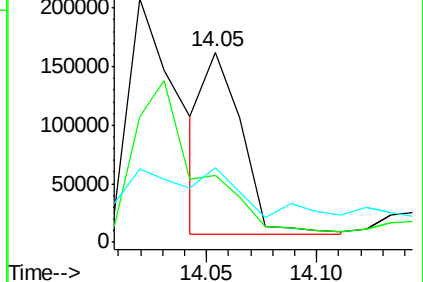
229 39.5 16.3 24.5#



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: 8.59 ng/mL

RT: 16.88 min Scan# 1294

Delta R.T. -0.06 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

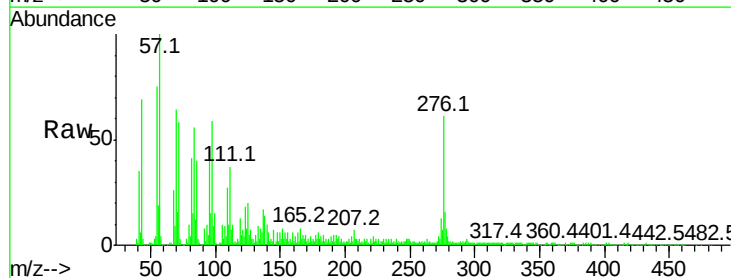
Tgt Ion:276 Resp: 140835

Ion Ratio Lower Upper

276 100

138 17.4 15.3 22.9

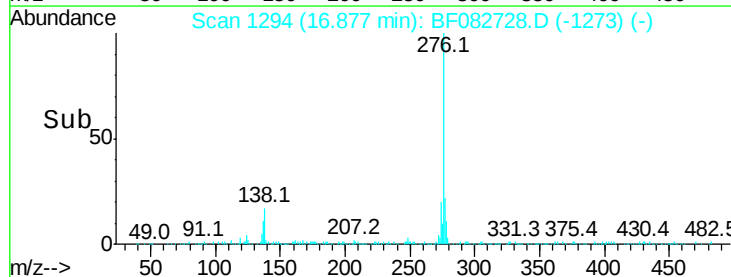
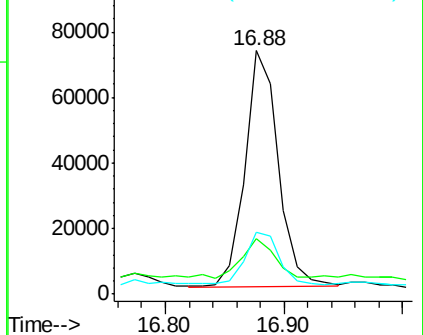
277 23.6 20.2 30.4

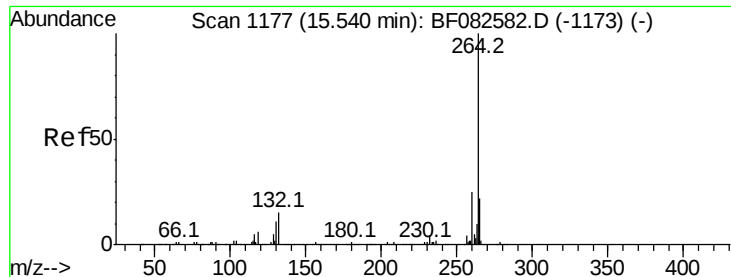


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

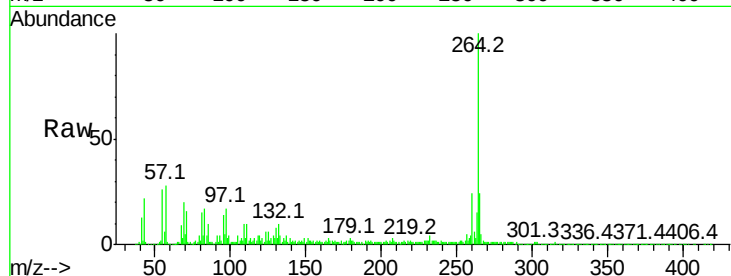




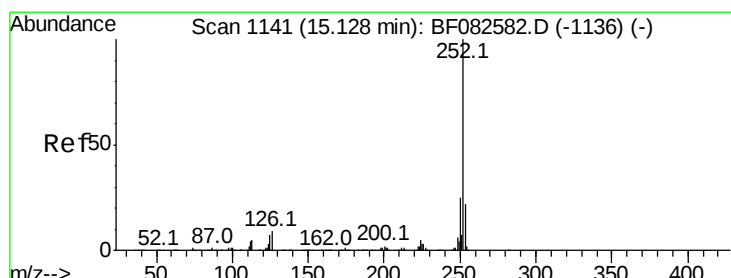
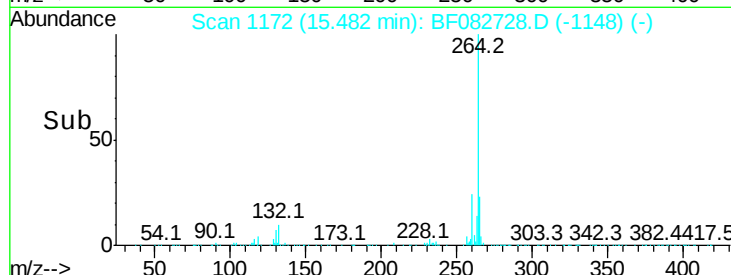
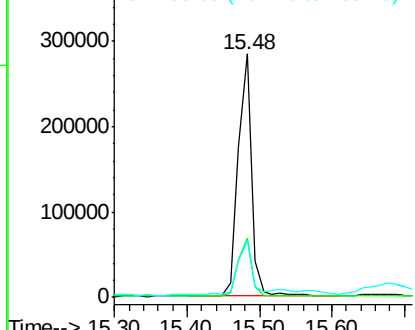
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tot Ion:264	Resp:	368582
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.8 29.6
265	23.6	17.4 26.0

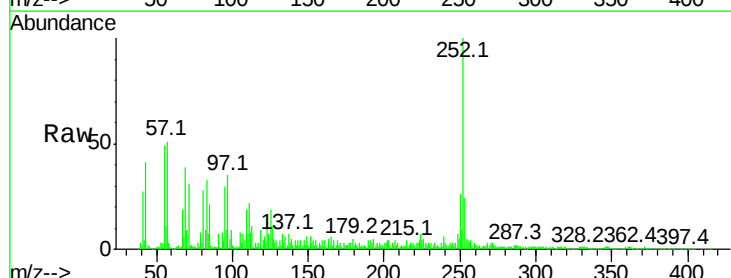


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

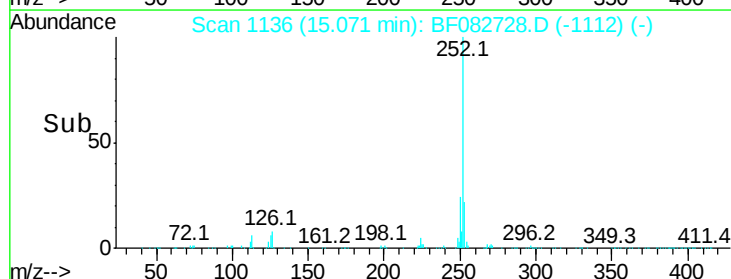
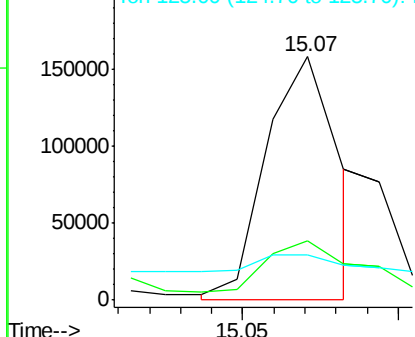


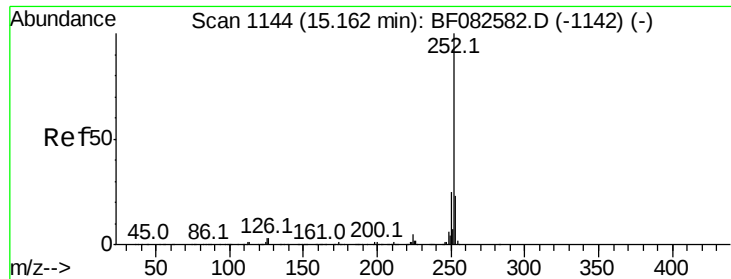
#87
Benzo(b)fluoranthene
Concen: 10.09 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF082728.D
Acq: 5 Nov 2015 14:38

Tgt Ion:252	Resp:	256499
Ion Ratio	Lower	Upper
252	100	
253	24.4	17.8 26.8
125	18.6	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: 3.77 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.05 min

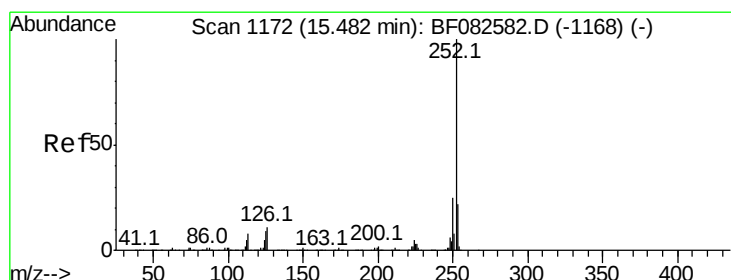
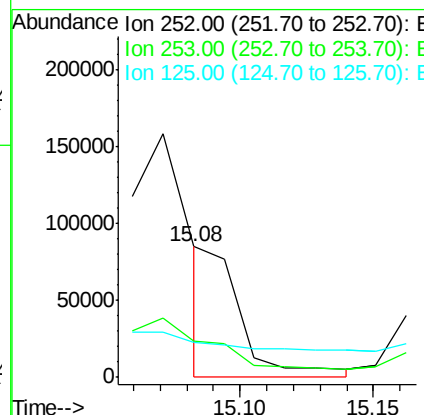
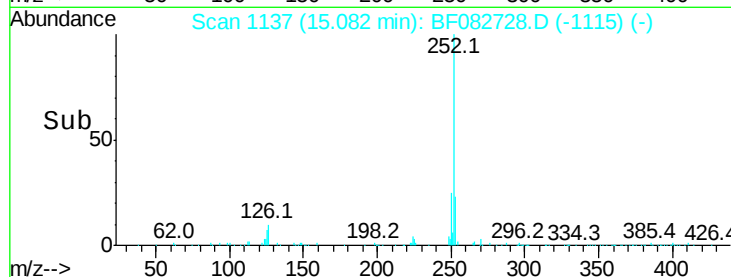
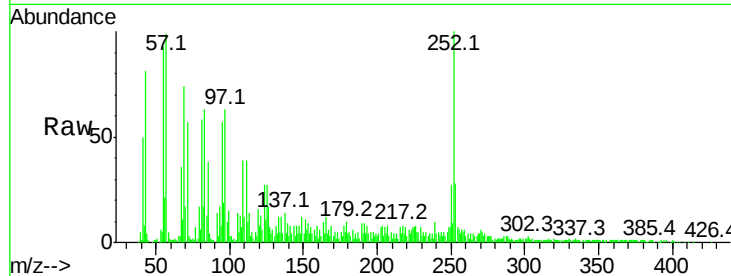
Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :
BNA_F
ClientSampleId :
TP-17(3)DL

Tot Ion:252 Resp: 73015

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	27.2	3.5	5.3#



#89

Benzo(a)pyrene

Concen: 11.98 ng

RT: 15.41 min Scan# 1166

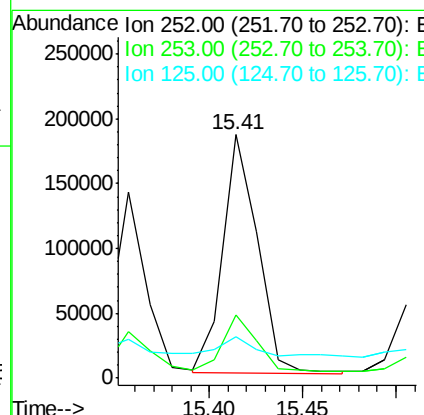
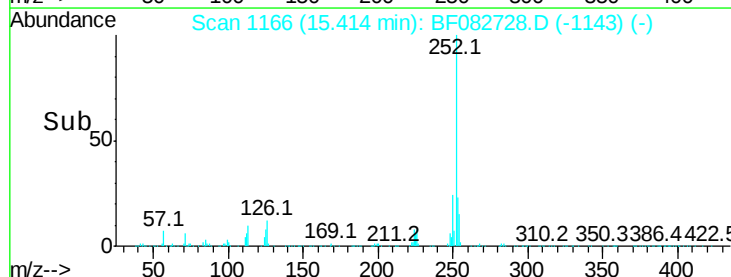
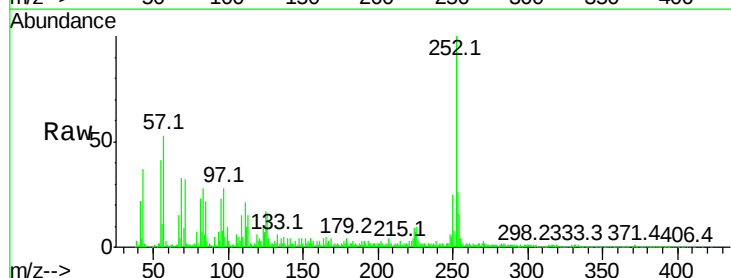
Delta R.T. -0.03 min

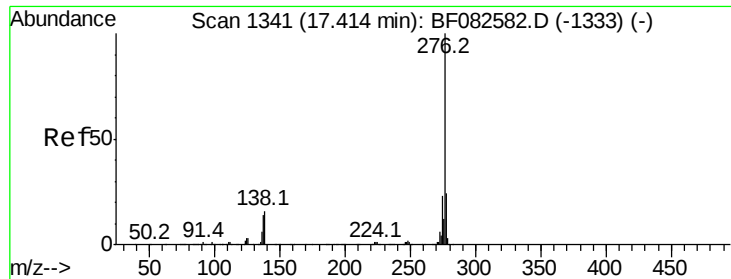
Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Tgt Ion:252 Resp: 239746

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.3	25.9
125	16.9	7.1	10.7#





#91

Benzo(a,h,i)perylene

Concen: 9.49 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.05 min

Lab File: BF082728.D

Acq: 5 Nov 2015 14:38

Instrument :

BNA_F

ClientSampleId :

TP-17(3)DL

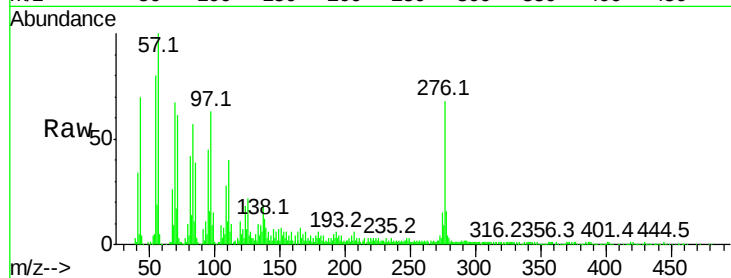
Tot Ion:276 Resp: 171689

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 17.9 13.1 19.7



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

