

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083580.D
 Acq On : 8 Dec 2015 4:13
 Operator : UM/IZ
 Sample : G4694-04DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G9BK2DL

Quant Time: Dec 08 06:33:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

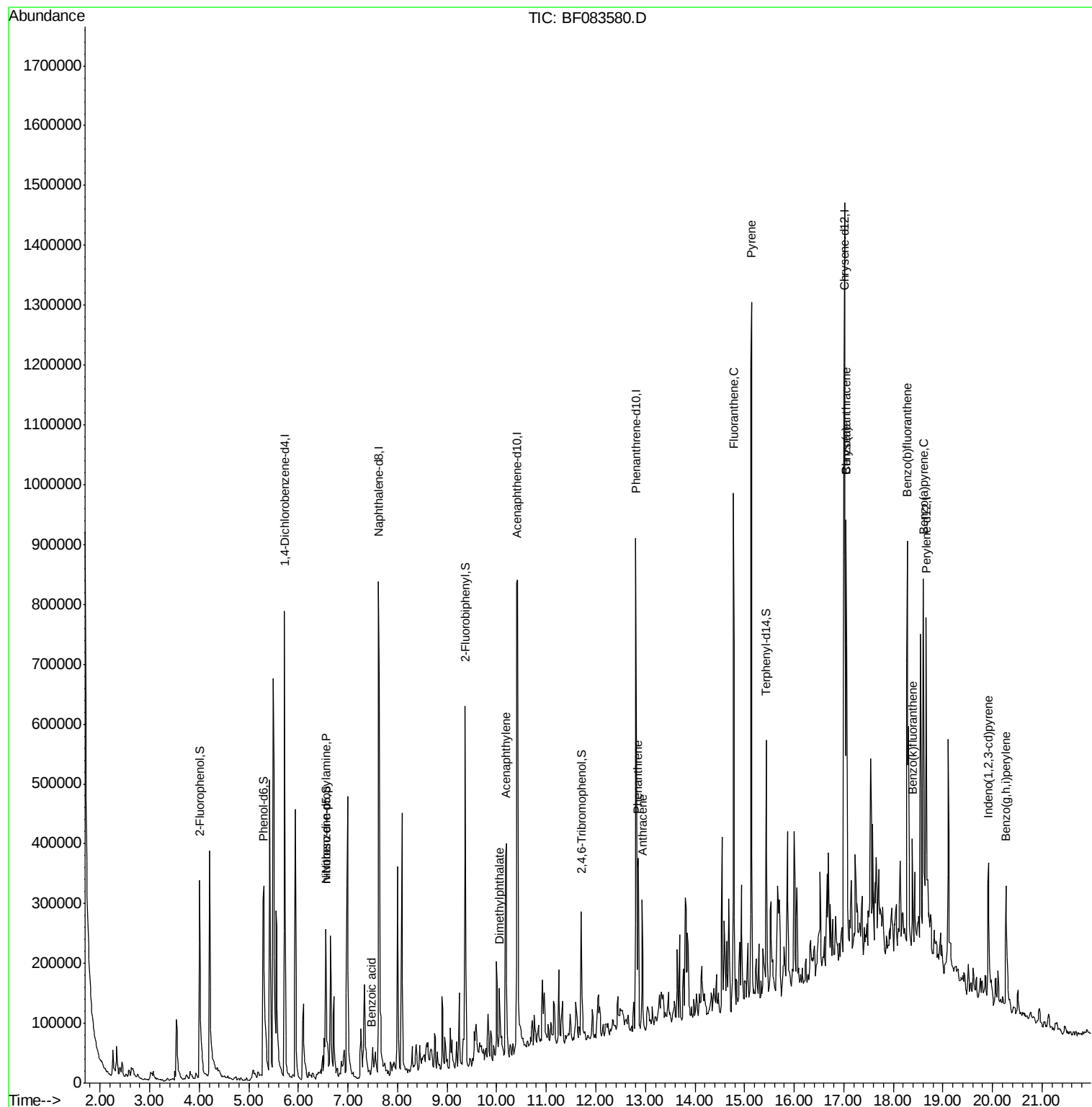
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	153163	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	561320	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	253313	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	405823	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	369376	20.00	ng	-0.03
86) Perylene-d12	18.66	264	283586	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	195598	19.37	ng	-0.02
7) Phenol-d6	5.30	99	272955	19.62	ng	-0.02
23) Nitrobenzene-d5	6.56	82	169856	14.14	ng	-0.05
41) 2,4,6-Tribromophenol	11.71	330	38592	16.52	ng	-0.05
44) 2-Fluorobiphenyl	9.37	172	239290	12.81	ng	-0.06
78) Terphenyl-d14	15.44	244	171939	10.36	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.56	70	20978	2.26	ng	# 78
32) Benzoic acid	7.47	122	290	2.70	ng	# 48
48) Acenaphthylene	10.19	152	254216	9.15	ng	96
49) Dimethylphthalate	10.05	163	57415	2.88	ng	99
70) Phenanthrene	12.85	178	195072	8.26	ng	98
71) Anthracene	12.93	178	129152	5.36	ng	98
74) Fluoranthene	14.77	202	542110	23.16	ng	98
77) Pyrene	15.14	202	744175	26.93	ng	99
80) Benzo(a)anthracene	17.05	228	427067	19.76	ng	94
82) Chrysene	17.05	228	430131	19.98	ng	98
85) Indeno(1,2,3-cd)pyrene	19.92	276	171080	9.27	ng	# 100
87) Benzo(b)fluoranthene	18.28	252	520299	32.67	ng	98
88) Benzo(k)fluoranthene	18.39	252	88169	5.40	ng	99
89) Benzo(a)pyrene	18.60	252	282069	18.21	ng	97
91) Benzo(g,h,i)perylene	20.27	276	170740	11.37	ng	99

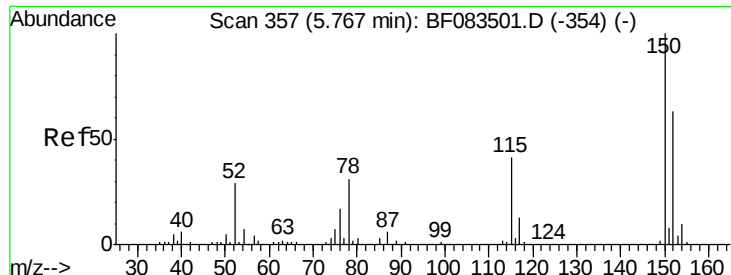
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampled :

G9BK2DL

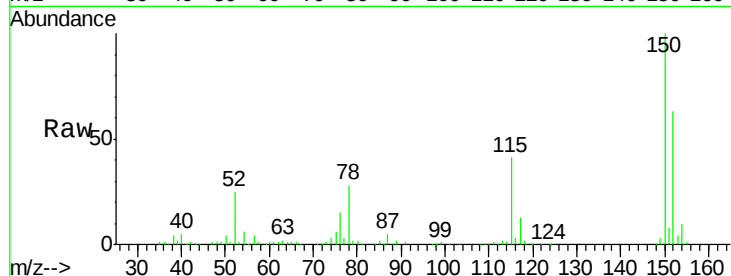
Tgt Ion:152 Resp: 153163

Ion Ratio Lower Upper

152 100

150 158.8 126.5 189.7

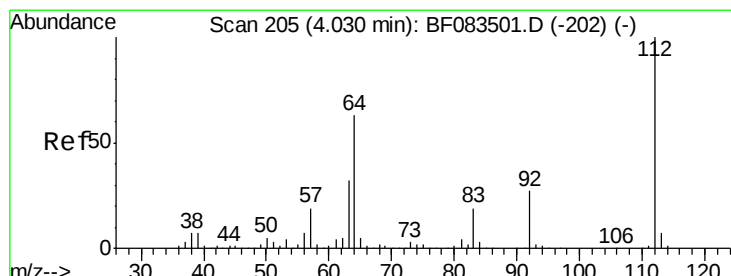
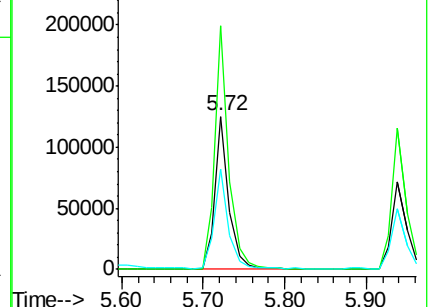
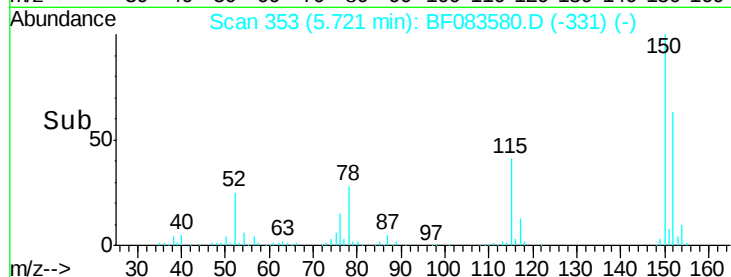
115 65.2 52.3 78.5



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: 19.37 ng

RT: 4.01 min Scan# 203

Delta R.T. -0.02 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

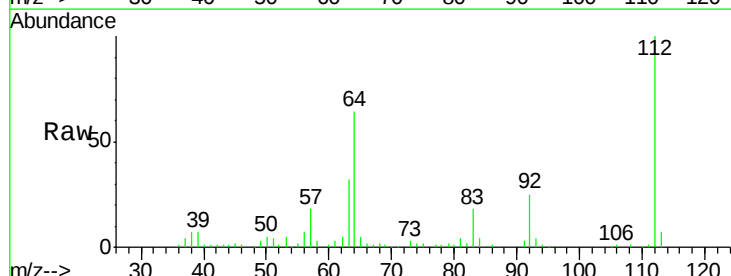
Tgt Ion:112 Resp: 195598

Ion Ratio Lower Upper

112 100

64 64.0 50.5 75.7

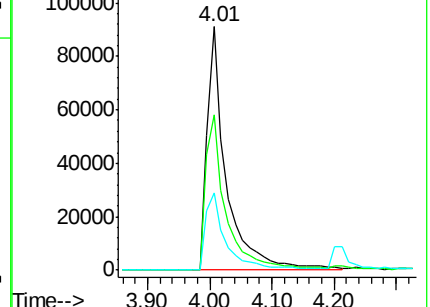
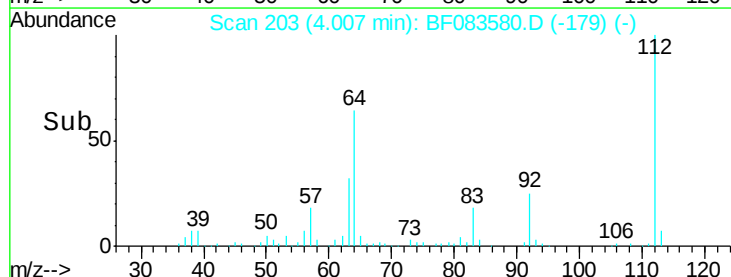
63 31.6 25.8 38.6

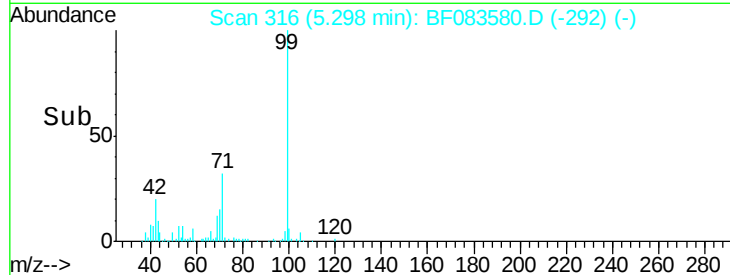
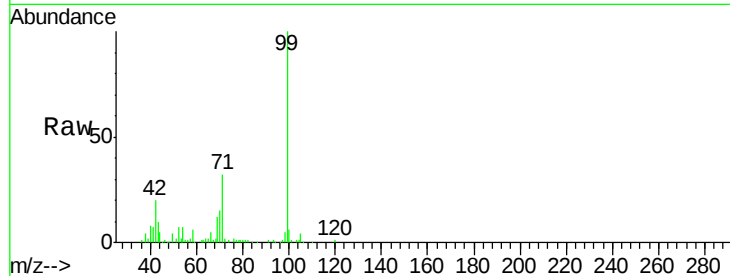


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.62 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampled :

G9BK2DL

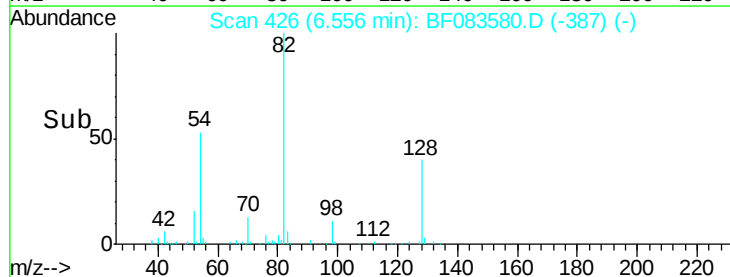
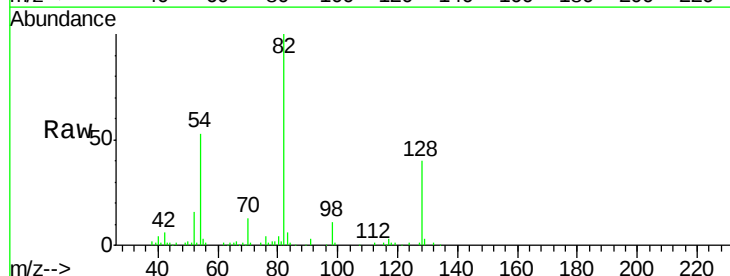
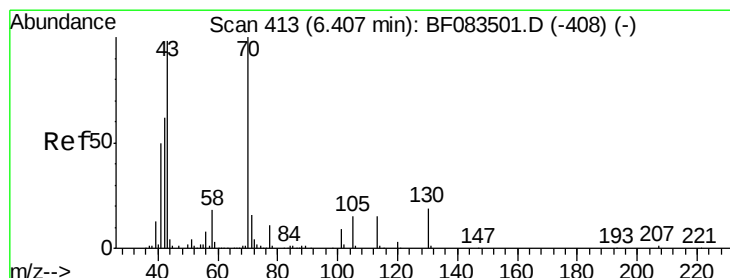
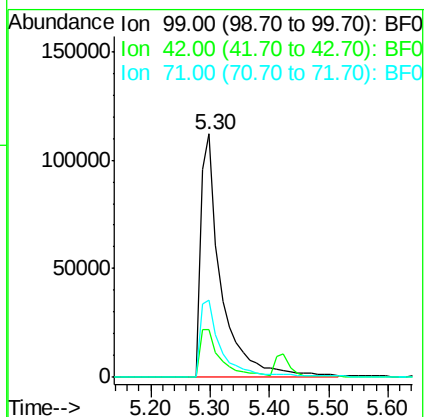
Tgt Ion: 99 Resp: 272955

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

71 31.6 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.26 ng

RT: 6.56 min Scan# 426

Delta R.T. 0.15 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Tgt Ion: 70 Resp: 20978

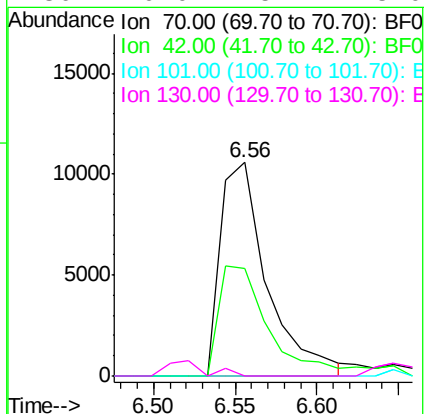
Ion Ratio Lower Upper

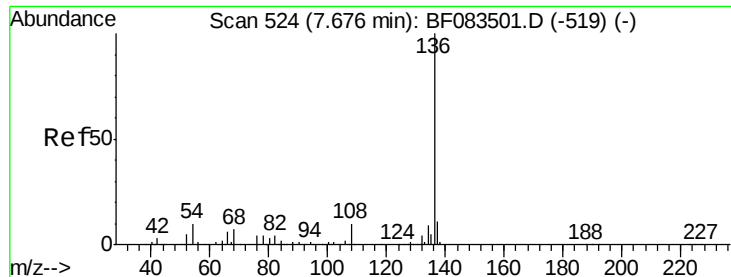
70 100

42 50.2 49.2 73.8

101 0.0 7.1 10.7#

130 0.0 15.4 23.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 519

Delta R.T. -0.06 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

Tgt Ion:136 Resp: 561320

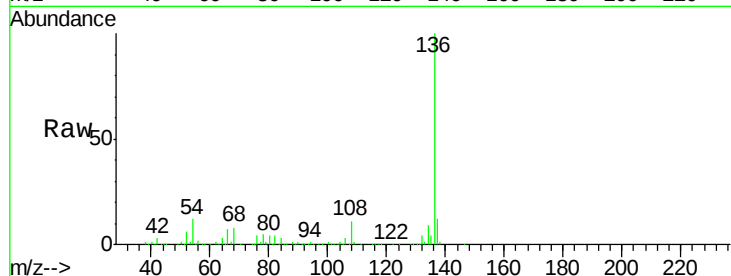
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 12.2 7.8 11.6#

68 7.6 5.7 8.5

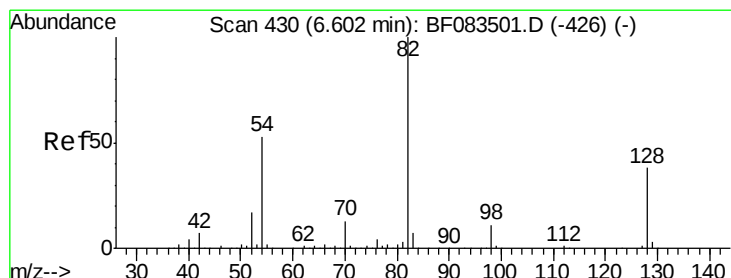
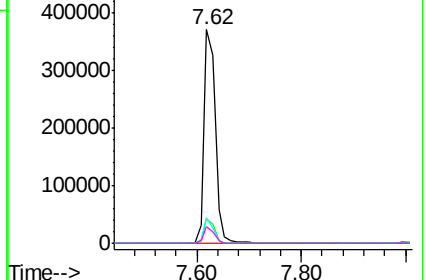
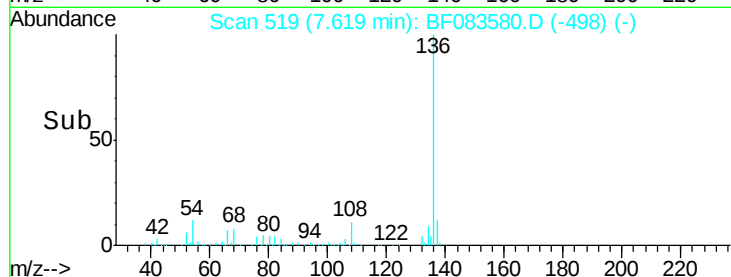


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.14 ng

RT: 6.56 min Scan# 426

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

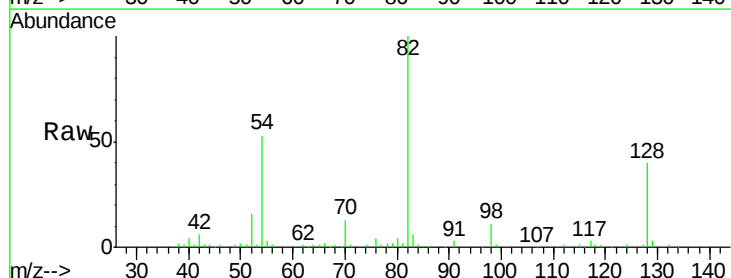
Tgt Ion: 82 Resp: 169856

Ion Ratio Lower Upper

82 100

128 40.0 30.7 46.1

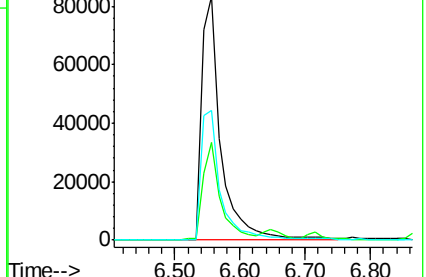
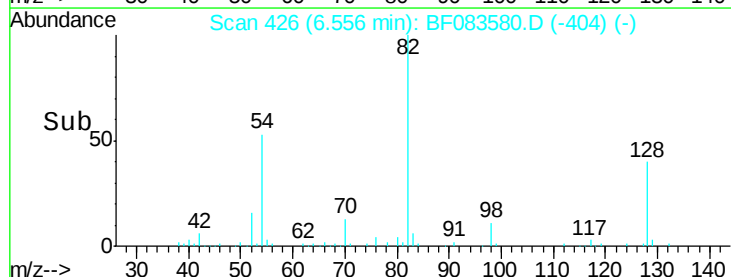
54 53.1 42.5 63.7

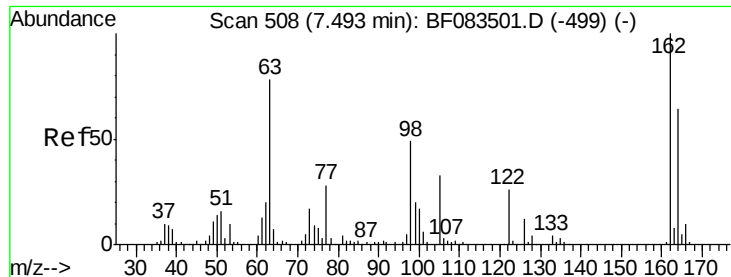


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

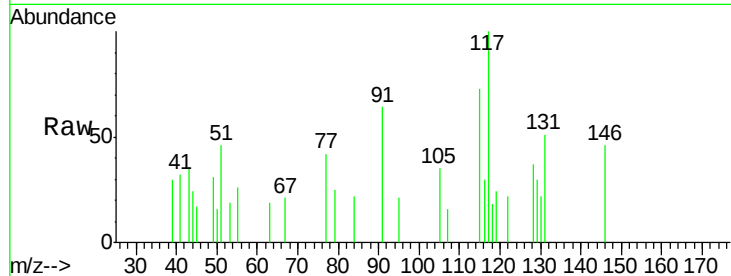




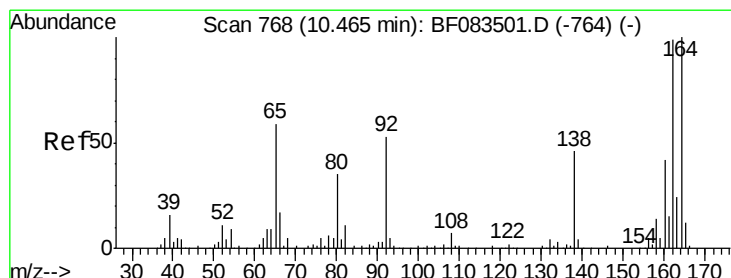
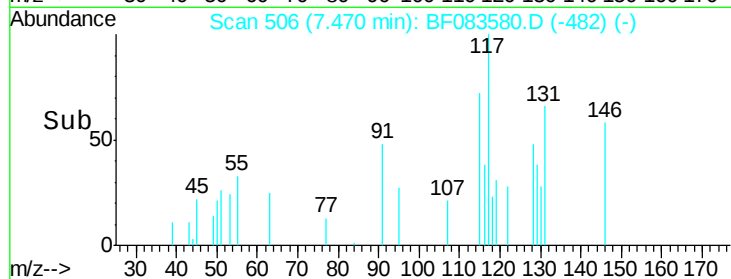
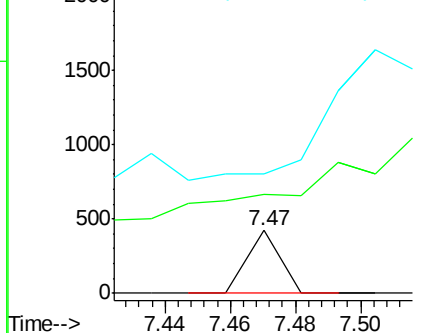
#32
Benzoic acid
Concen: 2.70 ng
RT: 7.47 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF083580.D
Acq: 8 Dec 2015 4:13

Instrument :
BNA_F
ClientSampleId :
G9BK2DL

Tgt Ion:122 Resp: 290
Ion Ratio Lower Upper
122 100
105 157.4 105.6 145.6#
77 189.6 86.8 126.8#

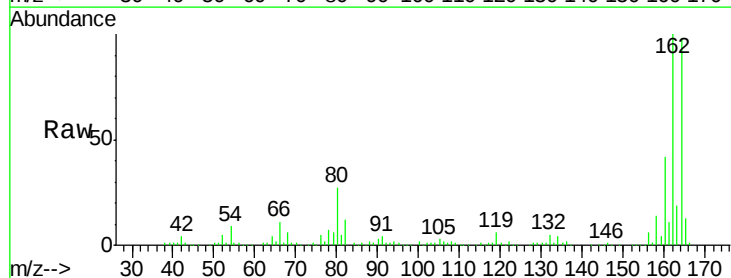


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

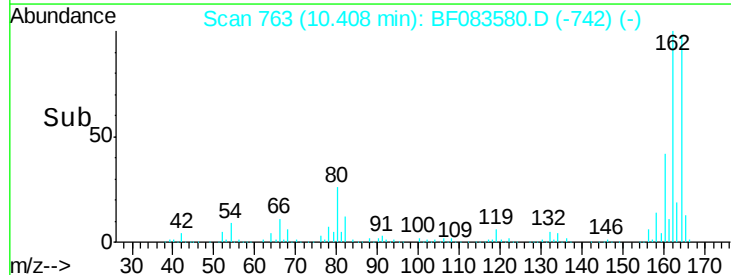
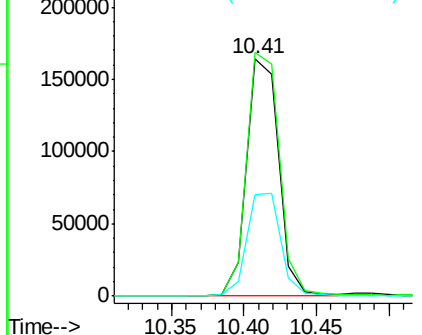


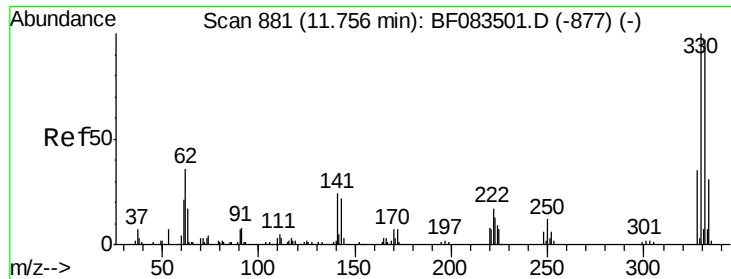
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF083580.D
Acq: 8 Dec 2015 4:13

Tgt Ion:164 Resp: 253313
Ion Ratio Lower Upper
164 100
162 102.4 78.8 118.2
160 43.0 33.4 50.2



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

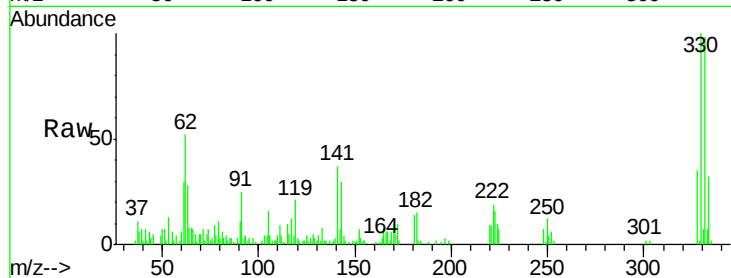




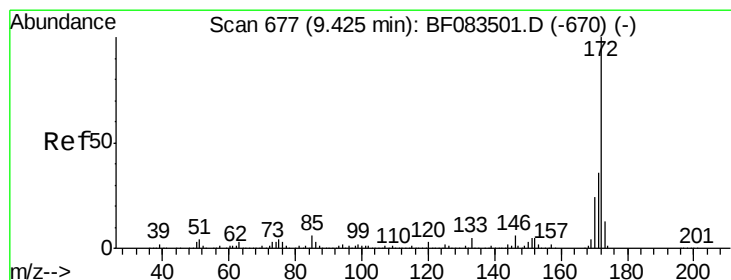
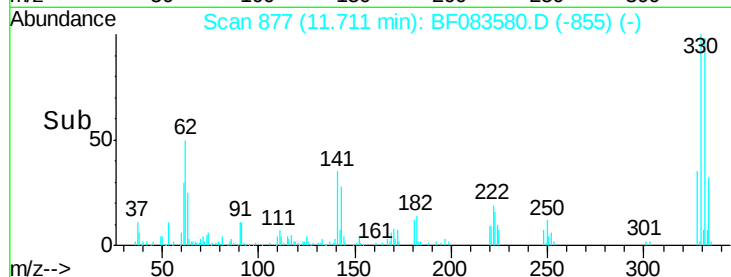
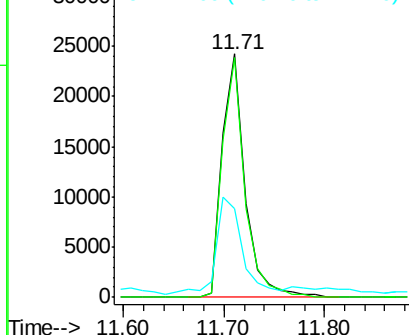
#41
 2,4,6-Tribromophenol
 Concen: 16.52 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083580.D
 Acq: 8 Dec 2015 4:13

Instrument :
 BNA_F
 ClientSampleId :
 G9BK2DL

Tgt Ion: 330 Resp: 38592
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 44.8 0.0 0.0#

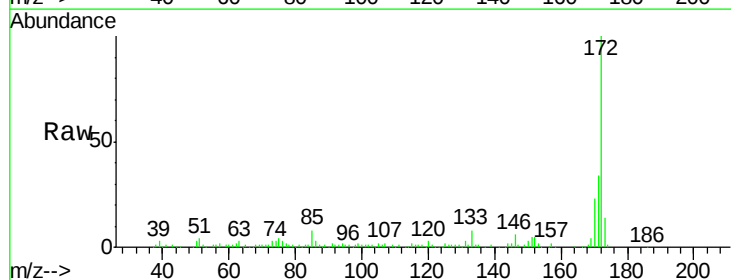


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

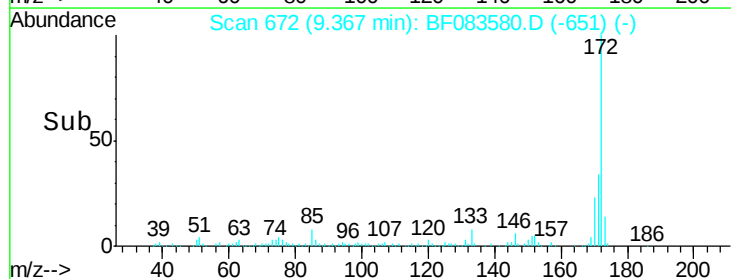
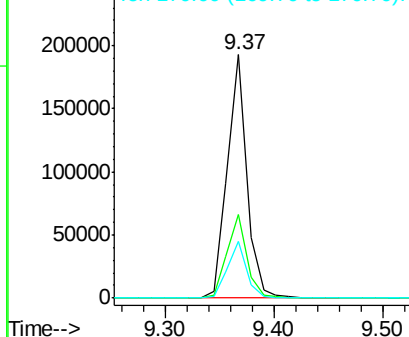


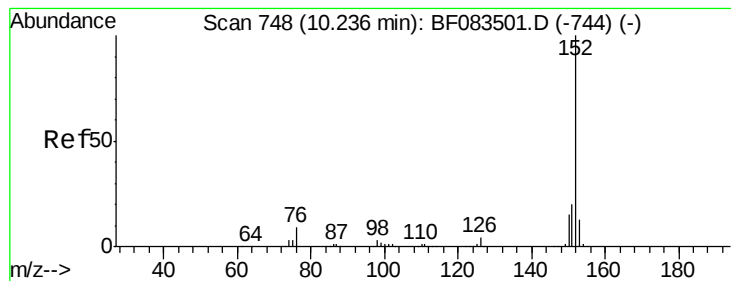
#44
 2-Fluorobiphenyl
 Concen: 12.81 ng
 RT: 9.37 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF083580.D
 Acq: 8 Dec 2015 4:13

Tgt Ion: 172 Resp: 239290
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 23.3 19.4 29.0



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





#48

Acenaphthylene

Concen: 9.15 ng

RT: 10.19 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

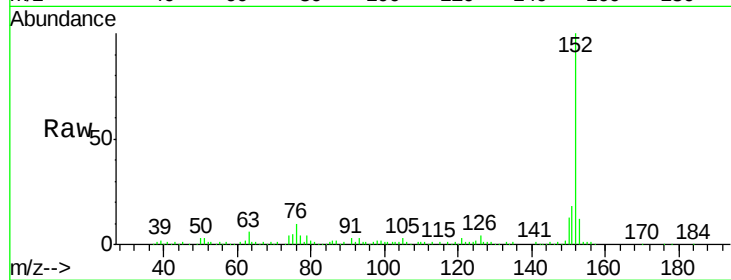
Tgt Ion:152 Resp: 254216

Ion Ratio Lower Upper

152 100

151 18.5 16.3 24.5

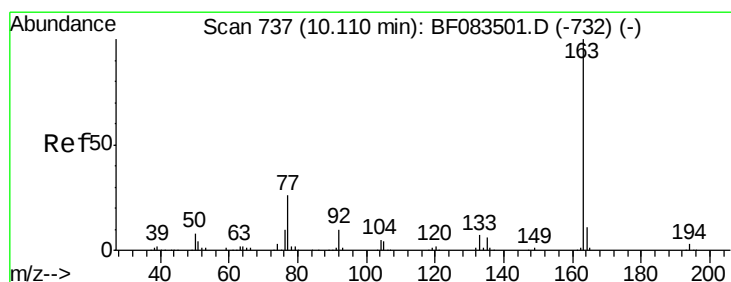
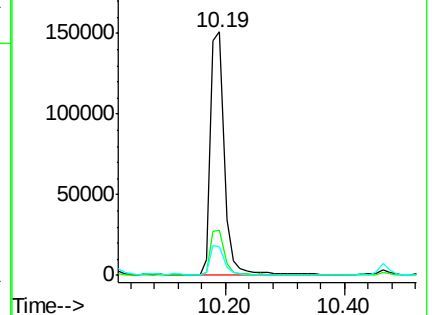
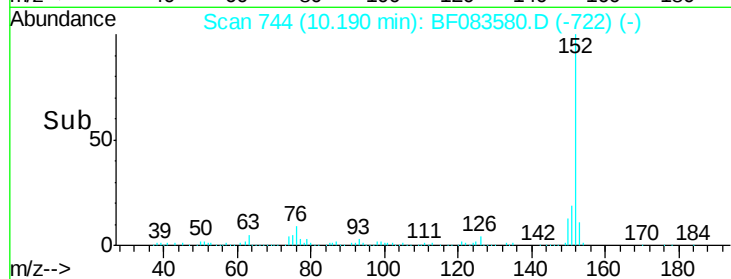
153 11.9 10.8 16.2



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: 2.88 ng

RT: 10.05 min Scan# 732

Delta R.T. -0.06 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

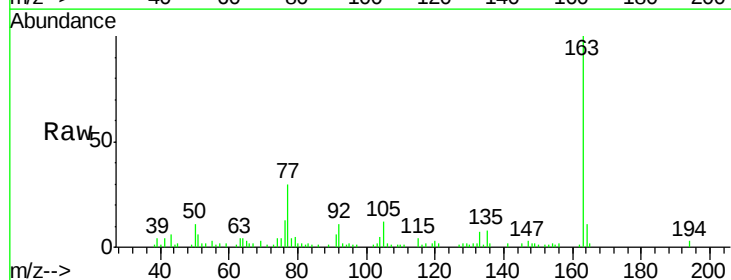
Tgt Ion:163 Resp: 57415

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

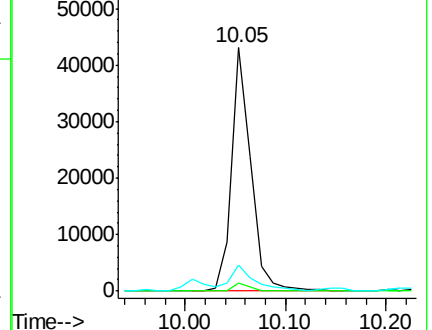
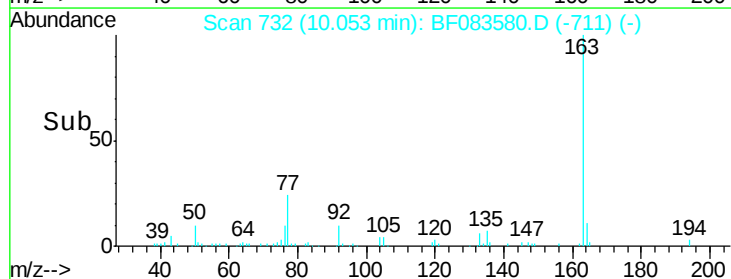
164 10.6 8.6 13.0

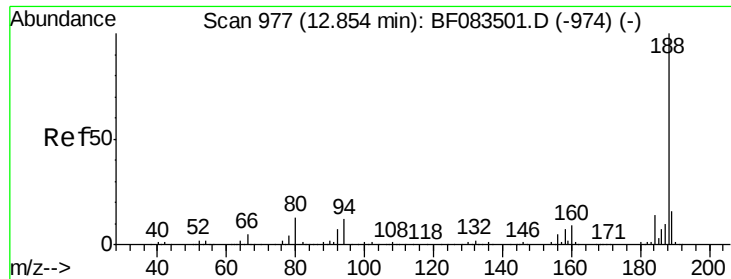


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.81 min Scan# 973

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

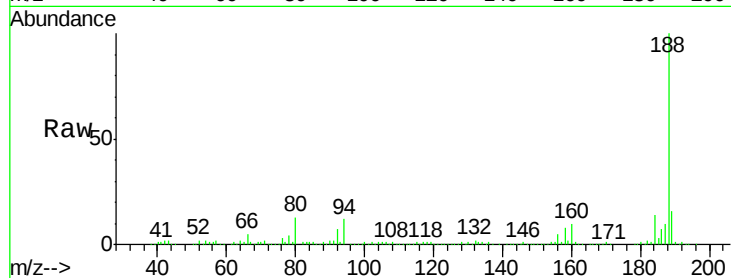
Tgt Ion:188 Resp: 405823

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

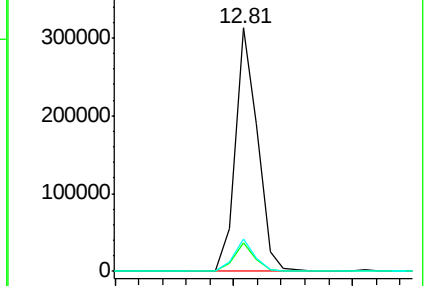
80 13.1 10.6 16.0



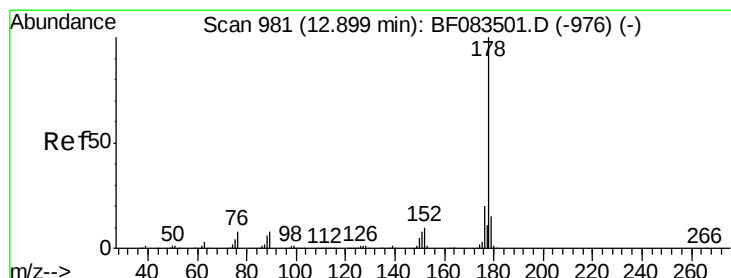
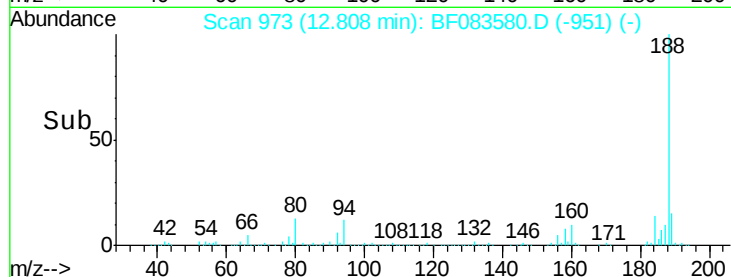
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 12.70 12.80 12.90



#70

Phenanthrene

Concen: 8.26 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

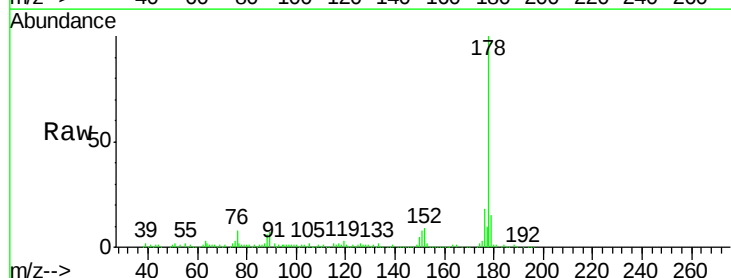
Tgt Ion:178 Resp: 195072

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

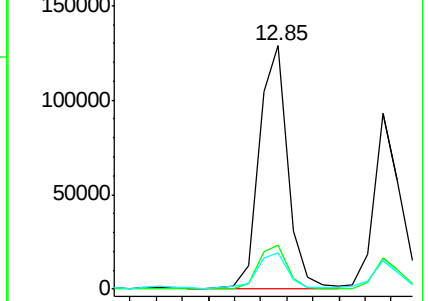
179 15.1 12.2 18.4



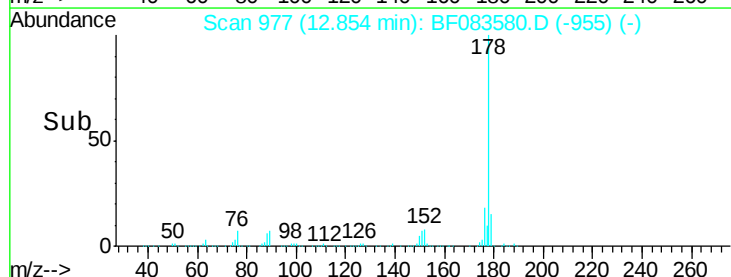
Abundance Ion 178.00 (177.70 to 178.70): E

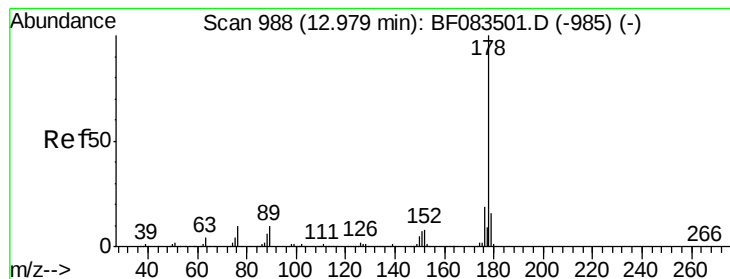
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 12.80 12.90





#71

Anthracene

Concen: 5.36 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

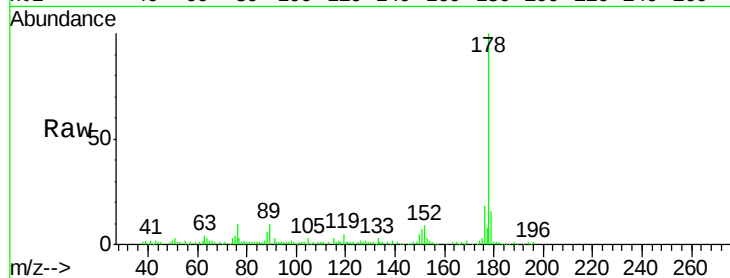
Tgt Ion:178 Resp: 129152

Ion Ratio Lower Upper

178 100

176 17.6 15.2 22.8

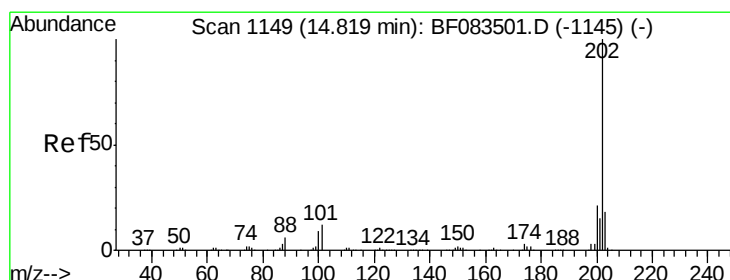
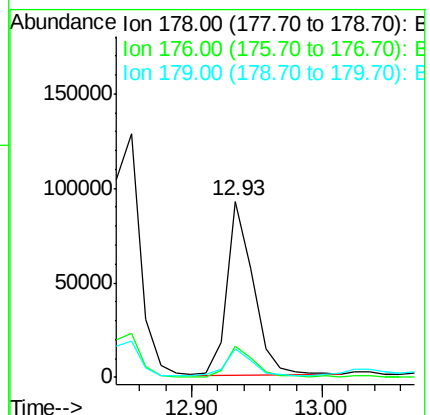
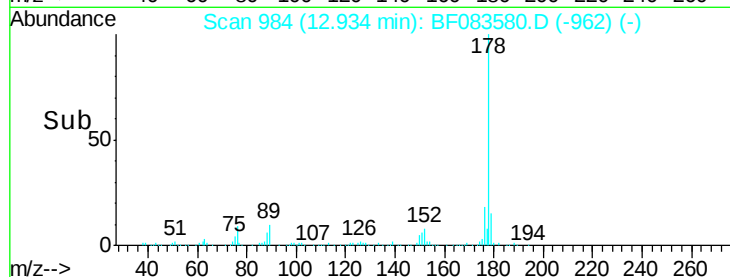
179 16.2 12.6 18.8



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: 23.16 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

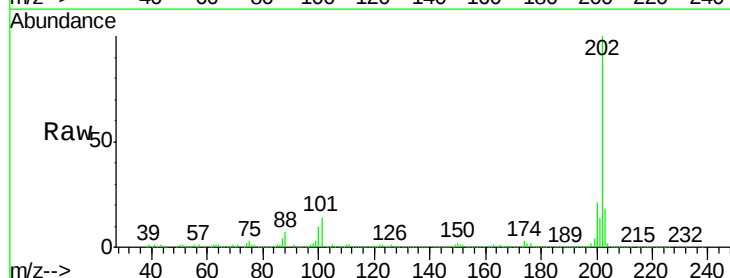
Tgt Ion:202 Resp: 542110

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.5

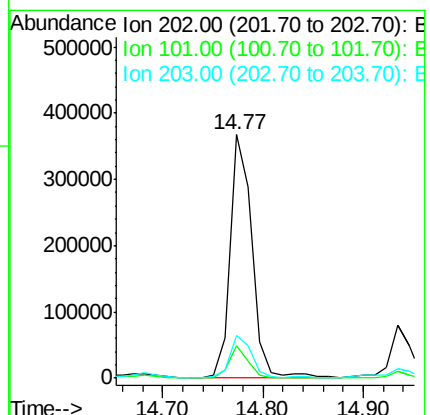
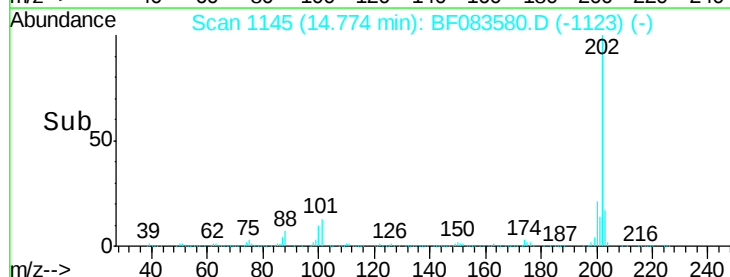
203 17.6 0.0 37.6

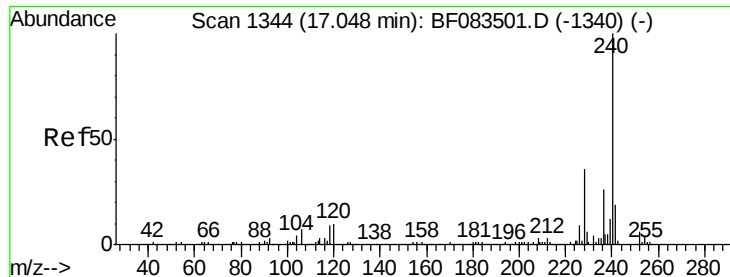


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

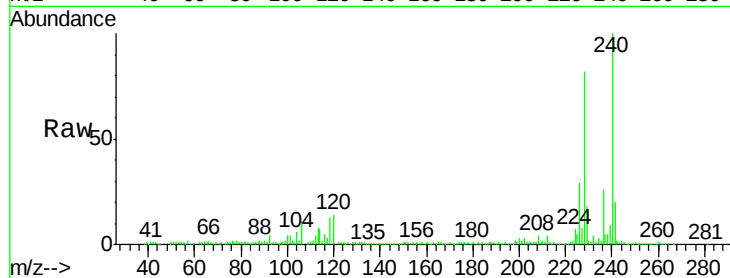
Tgt Ion:240 Resp: 369376

Ion Ratio Lower Upper

240 100

120 13.5 8.1 12.1#

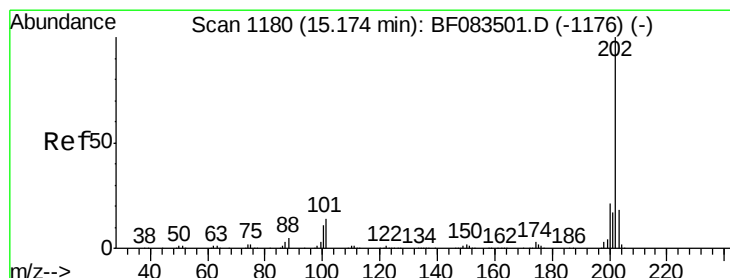
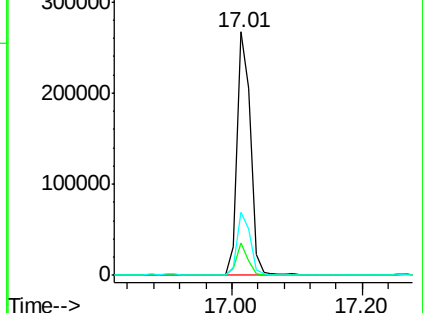
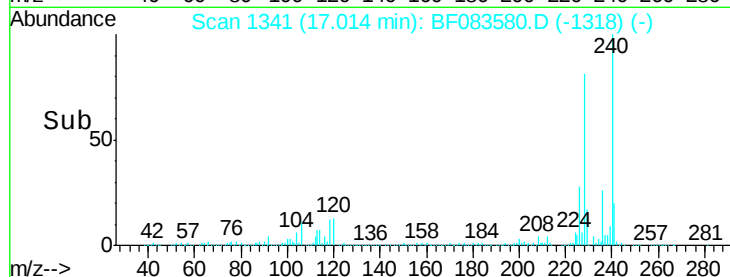
236 25.8 20.8 31.2



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: 26.93 ng

RT: 15.14 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

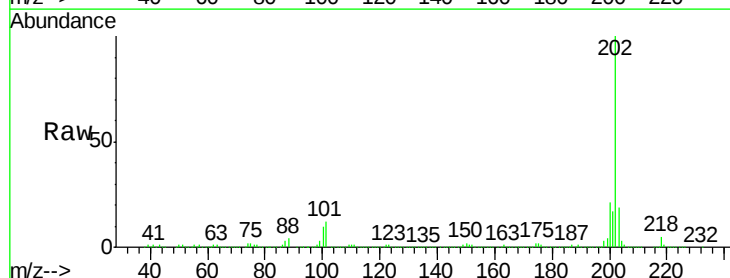
Tgt Ion:202 Resp: 744175

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

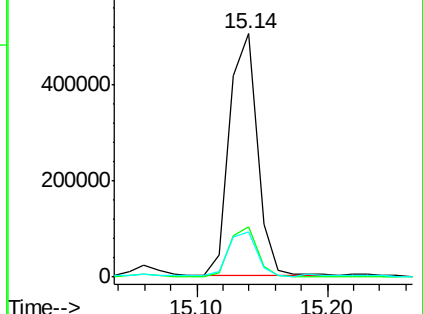
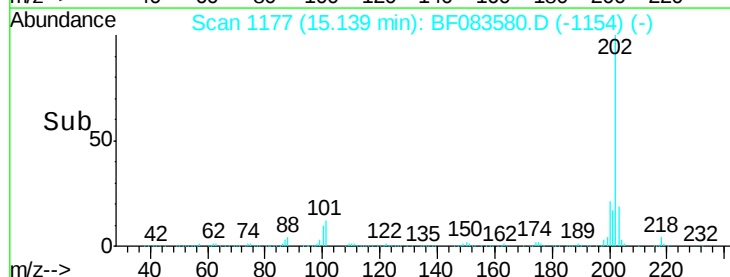
203 18.8 14.3 21.5

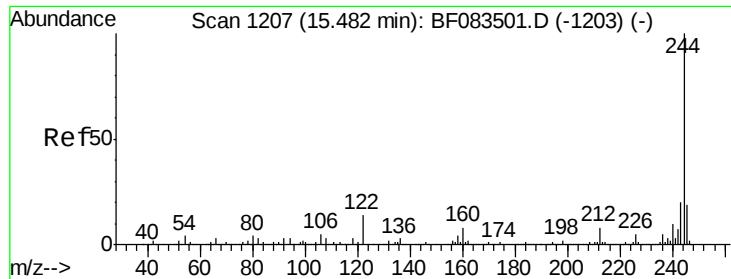


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

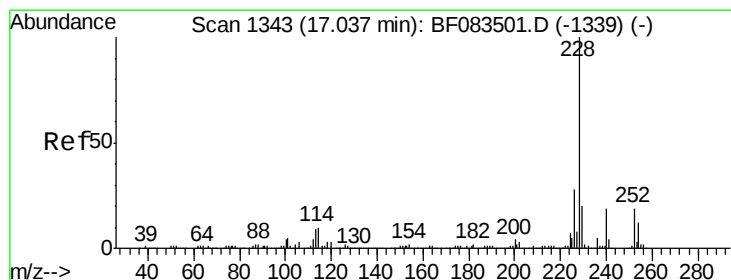
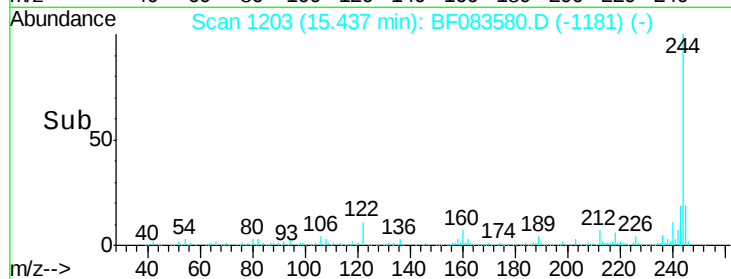
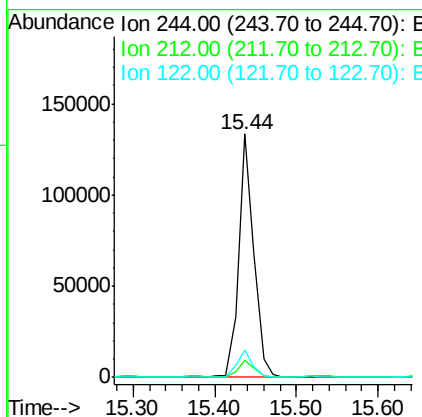
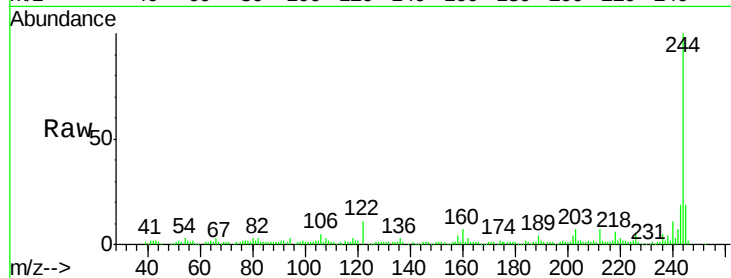




#78
 Terphenyl-d14
 Concen: 10.36 ng
 RT: 15.44 min Scan# 1203
 Delta R.T. -0.05 min
 Lab File: BF083580.D
 Acq: 8 Dec 2015 4:13

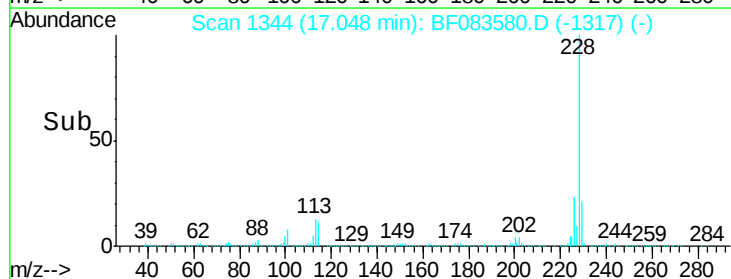
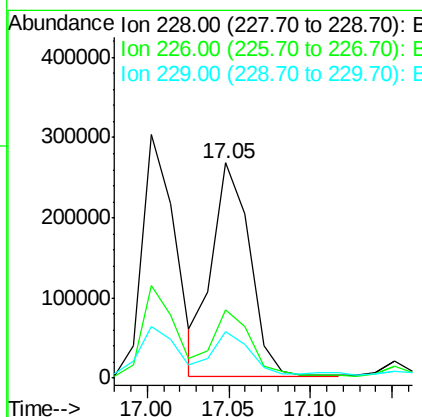
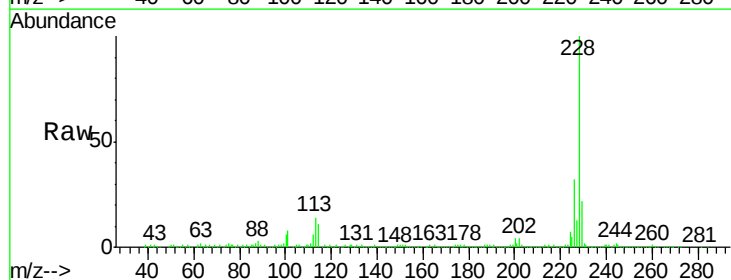
Instrument :
 BNA_F
 ClientSampleId :
 G9BK2DL

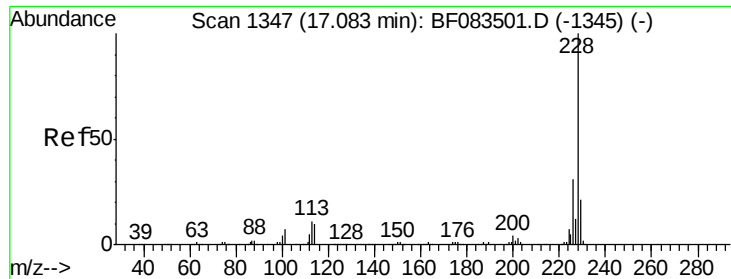
Tgt Ion:244 Resp: 171939
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 11.2 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 19.76 ng
 RT: 17.05 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: BF083580.D
 Acq: 8 Dec 2015 4:13

Tgt Ion:228 Resp: 427067
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.3 33.5
 229 21.9 15.7 23.5





#82

Chrysene

Concen: 19.98 ng

RT: 17.05 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

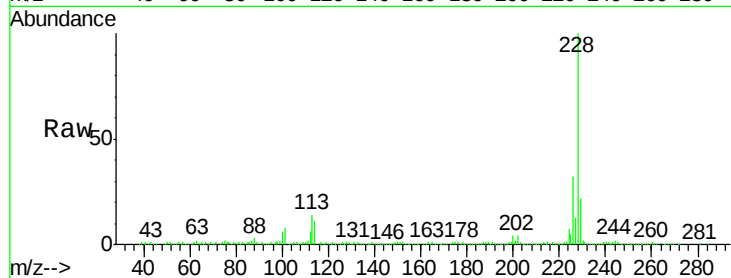
Tgt Ion:228 Resp: 430131

Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

229 21.9 16.3 24.5

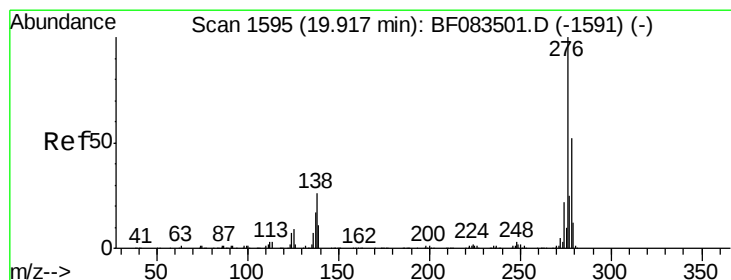
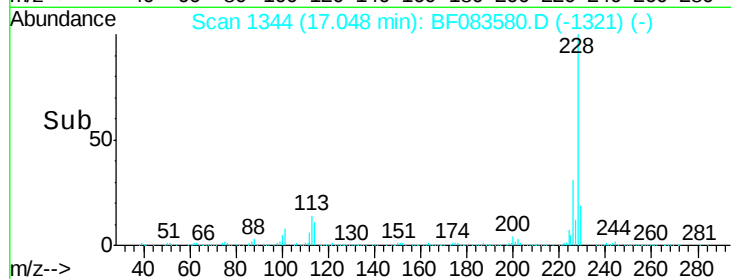
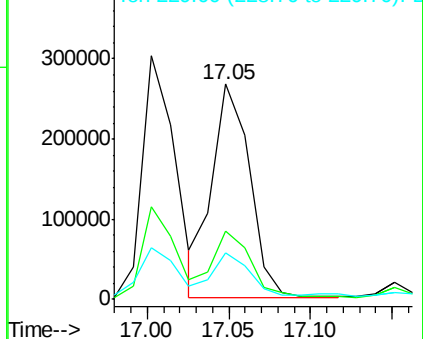


Abundance

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: 9.27 ng

RT: 19.92 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

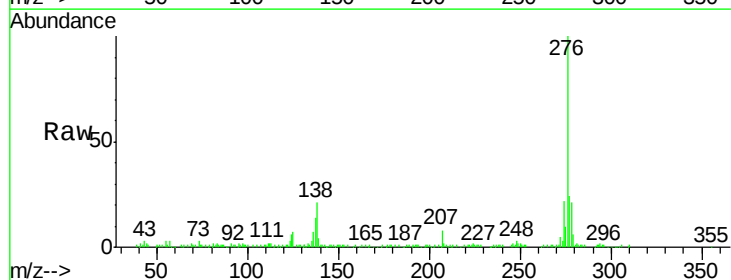
Tgt Ion:276 Resp: 171080

Ion Ratio Lower Upper

276 100

138 21.6 0.0 0.0#

277 23.1 0.0 0.0#

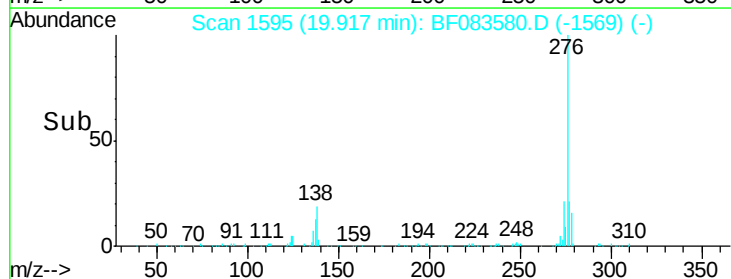
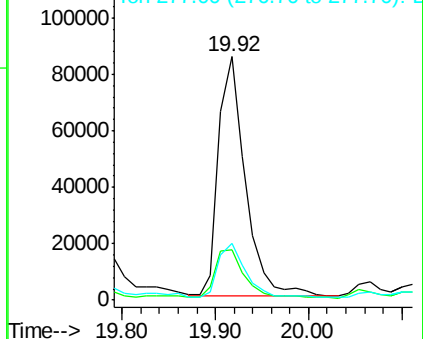


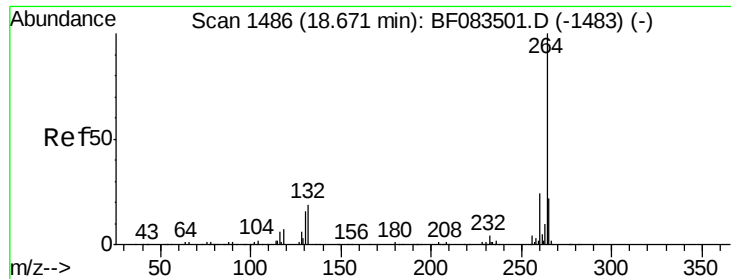
Abundance

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

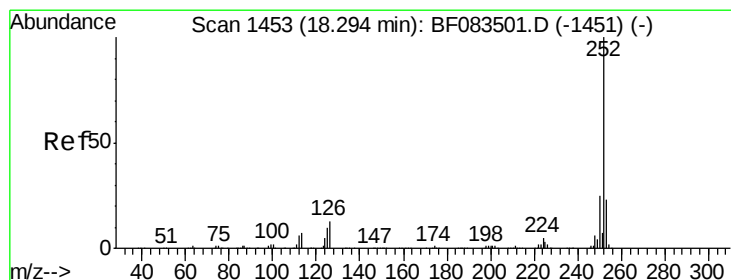
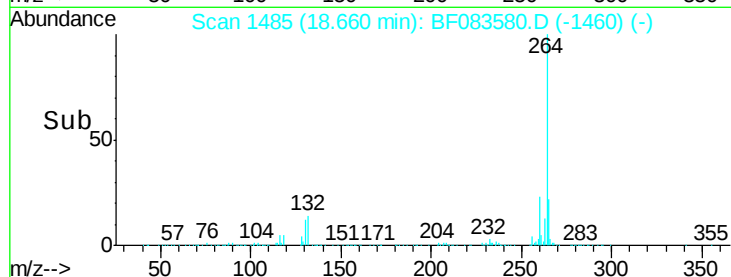
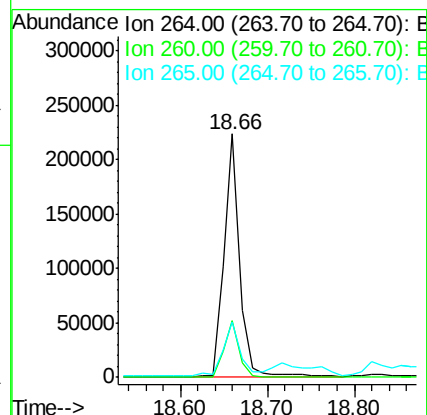
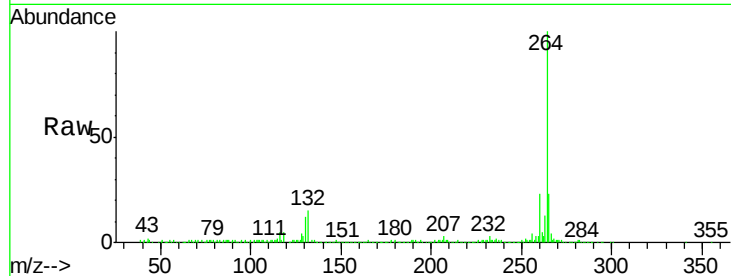




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.66 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF083580.D
Acq: 8 Dec 2015 4:13

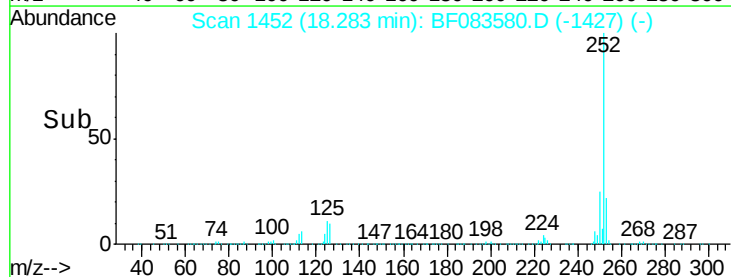
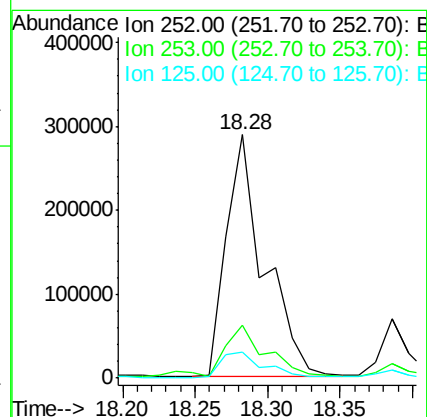
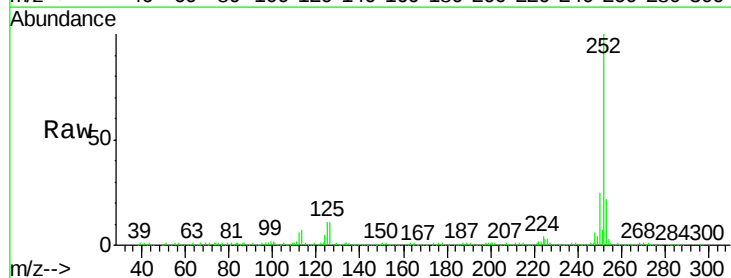
Instrument :
BNA_F
ClientSampleId :
G9BK2DL

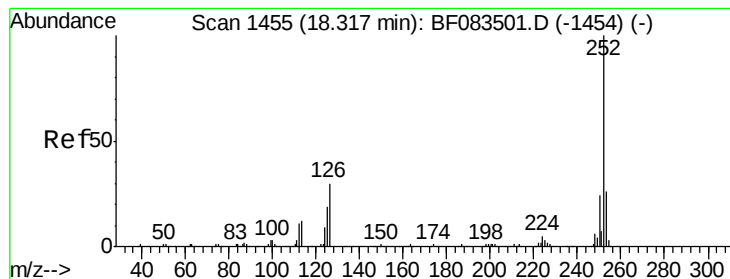
Tgt Ion: 264 Resp: 283586
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.0
265 22.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 32.67 ng
RT: 18.28 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF083580.D
Acq: 8 Dec 2015 4:13

Tgt Ion: 252 Resp: 520299
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 10.8 8.2 12.4





#88

Benzo(k)fluoranthene

Concen: 5.40 ng

RT: 18.39 min Scan# 1461

Delta R.T. 0.07 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

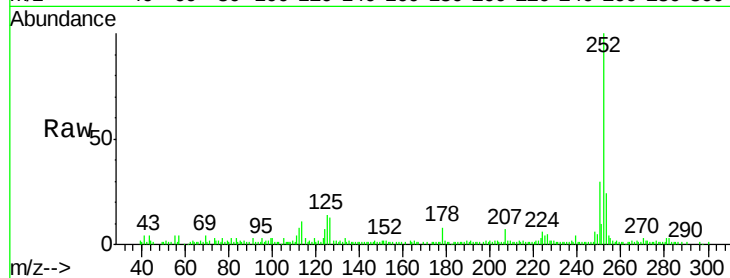
Tgt Ion:252 Resp: 88169

Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

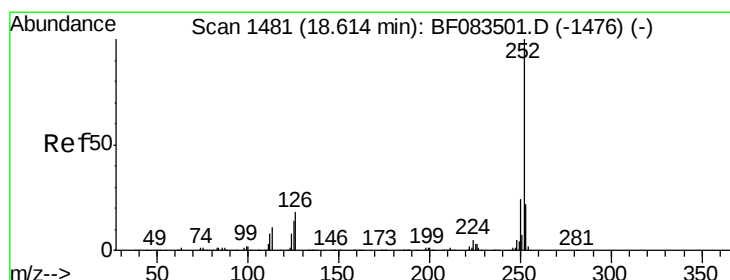
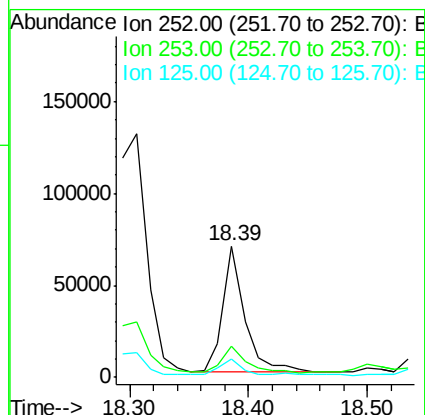
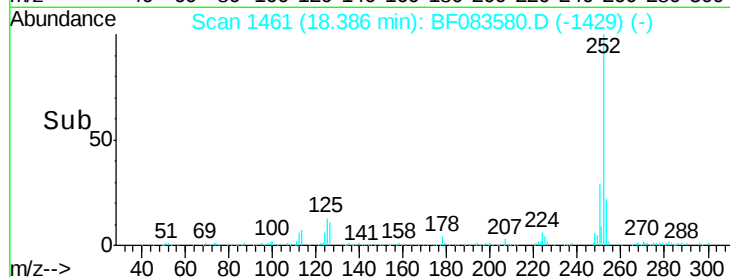
125 14.2 11.5 17.3



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: 18.21 ng

RT: 18.60 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

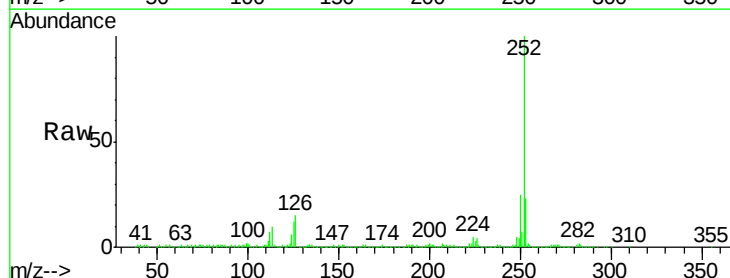
Tgt Ion:252 Resp: 282069

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

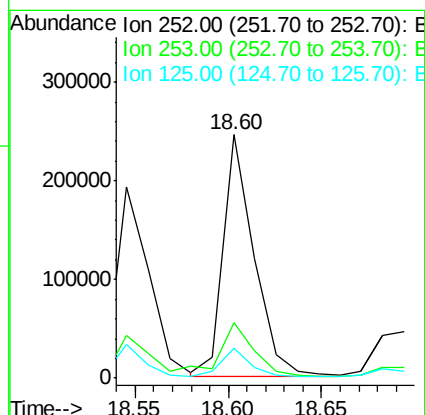
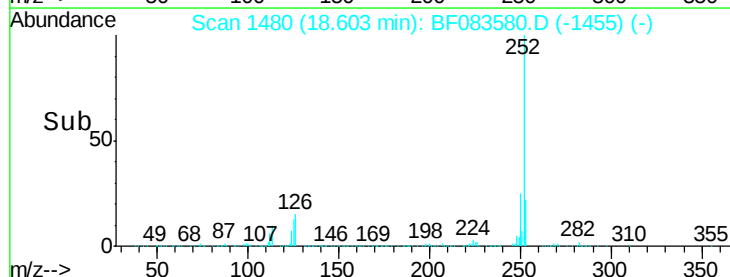
125 12.2 11.0 16.6

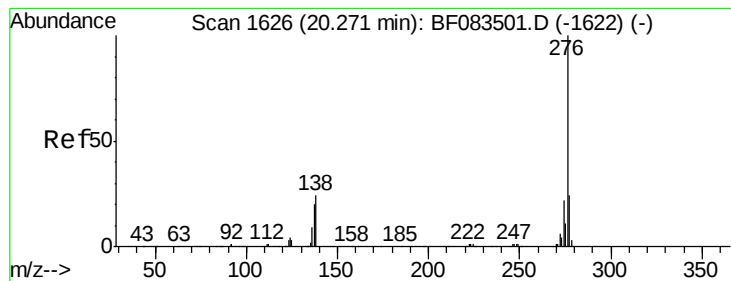


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.37 ng

RT: 20.27 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BF083580.D

Acq: 8 Dec 2015 4:13

Instrument :

BNA_F

ClientSampleId :

G9BK2DL

Tgt Ion: 276 Resp: 170740

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 23.5 19.5 29.3

