

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083653.D
 Acq On : 9 Dec 2015 22:01
 Operator : UM/IZ
 Sample : G4585-02DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Quant Time: Dec 10 00:40:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

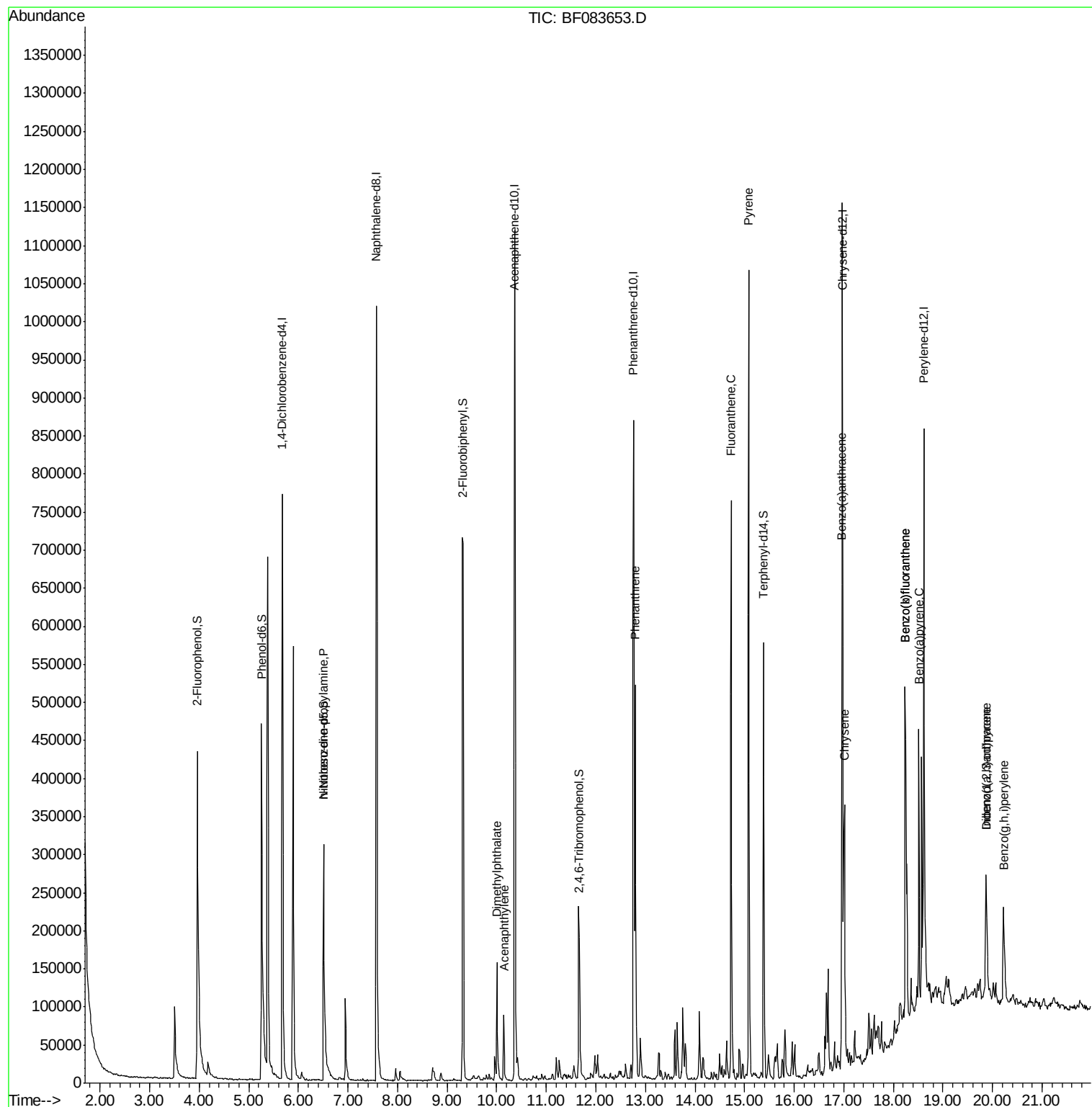
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	167980	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	656787	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	296960	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	477275	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	394605	20.00	ng	-0.02
86) Perylene-d12	18.61	264	327451	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	263072	23.75	ng	-0.01
7) Phenol-d6	5.25	99	370363	25.03	ng	-0.02
23) Nitrobenzene-d5	6.51	82	237459	16.87	ng	-0.02
41) 2,4,6-Tribromophenol	11.66	330	45444	17.18	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	395407	18.74	ng	-0.02
78) Terphenyl-d14	15.38	244	271156	16.17	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.51	70	26344	2.55	ng	Qvalue # 77
48) Acenaphthylene	10.14	152	71639	2.23	ng	99
49) Dimethylphthalate	10.01	163	92693	3.92	ng	98
70) Phenanthrene	12.80	178	306243	11.17	ng	99
74) Fluoranthene	14.73	202	495973	17.68	ng	99
77) Pyrene	15.08	202	651128	22.92	ng	99
80) Benzo(a)anthracene	16.96	228	240014	10.39	ng	97
82) Chrysene	17.01	228	244472	10.56	ng	99
85) Indeno(1,2,3-cd)pyrene	19.87	276	117437	7.51	ng	# 100
87) Benzo(b)fluoranthene	18.24	252	352534	18.91	ng	# 97
88) Benzo(k)fluoranthene	18.24	252	352534	17.16	ng	99
89) Benzo(a)pyrene	18.51	252	149351	8.21	ng	99
90) Dibenzo(a,h)anthracene	19.87	278	32853	2.36	ng	# 95
91) Benzo(g,h,i)perylene	20.23	276	120768	8.90	ng	# 95

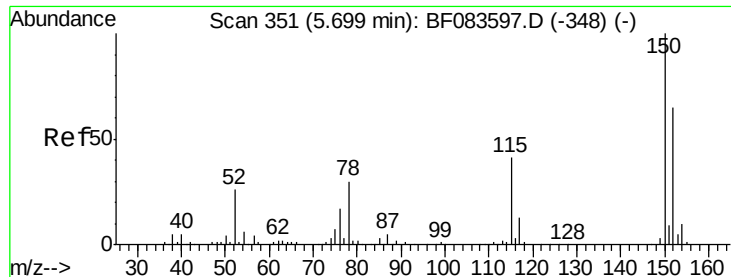
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

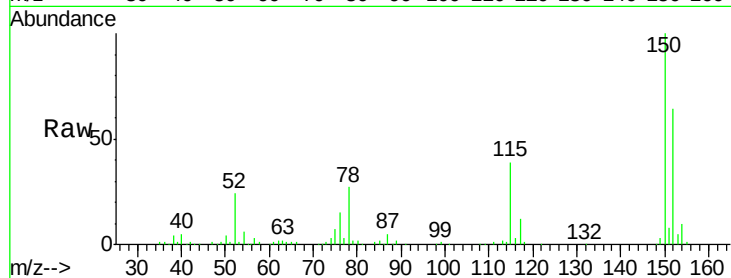
Tgt Ion:152 Resp: 167980

Ion Ratio Lower Upper

152 100

150 155.9 126.5 189.7

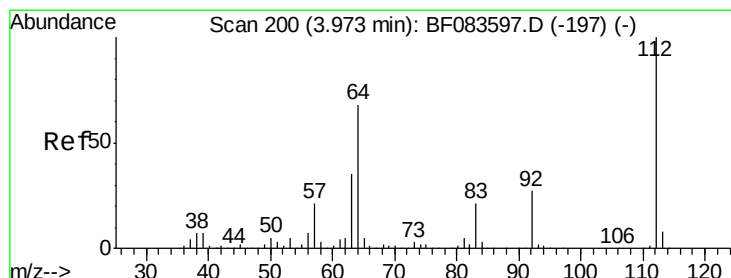
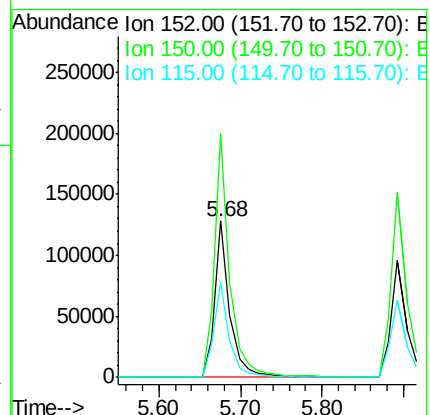
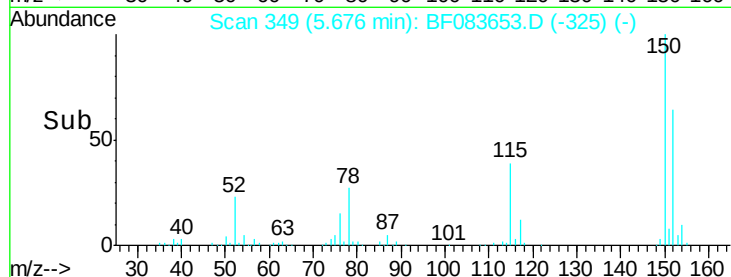
115 60.7 52.3 78.5



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: 23.75 ng

RT: 3.96 min Scan# 199

Delta R.T. -0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

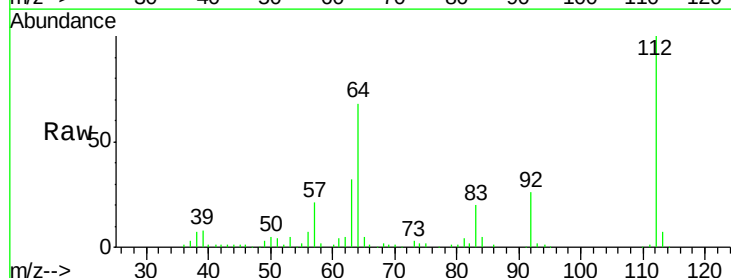
Tgt Ion:112 Resp: 263072

Ion Ratio Lower Upper

112 100

64 67.8 50.5 75.7

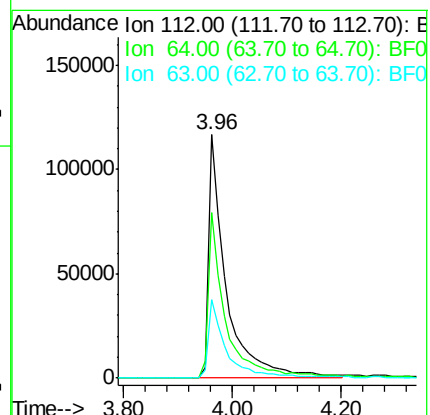
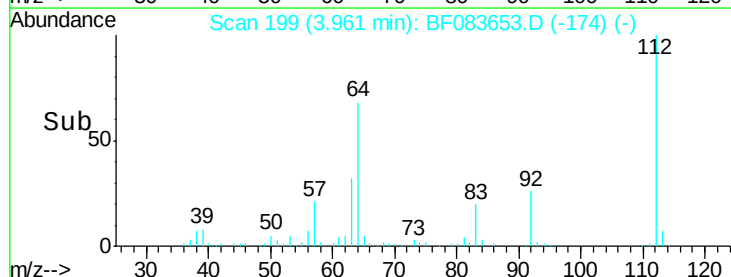
63 32.0 25.8 38.6

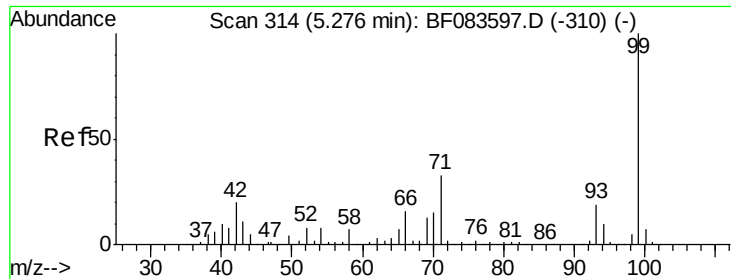


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.03 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

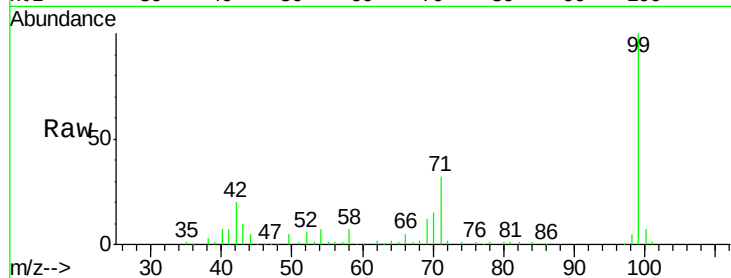
Tgt Ion: 99 Resp: 370363

Ion Ratio Lower Upper

99 100

42 19.9 17.3 25.9

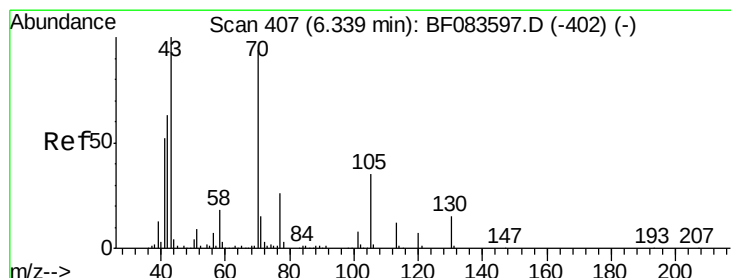
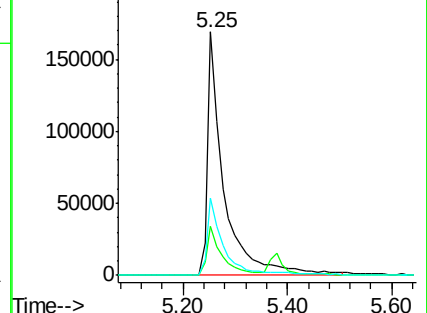
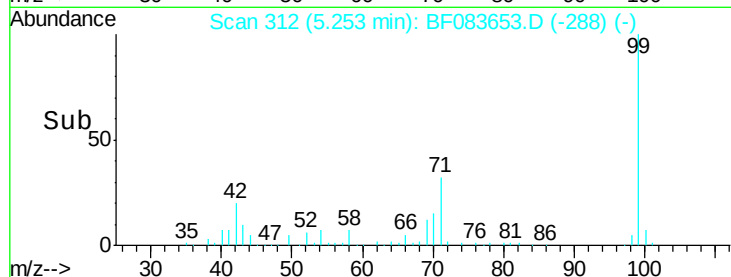
71 31.9 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.55 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Tgt Ion: 70 Resp: 26344

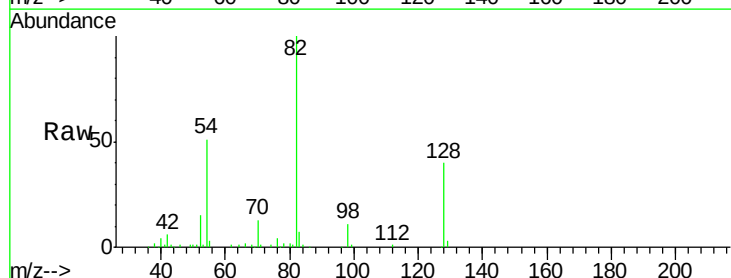
Ion Ratio Lower Upper

70 100

42 48.4 49.2 73.8#

101 0.0 7.1 10.7#

130 0.0 15.4 23.0#

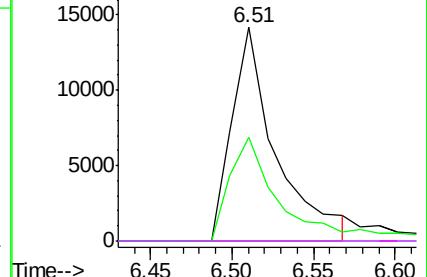
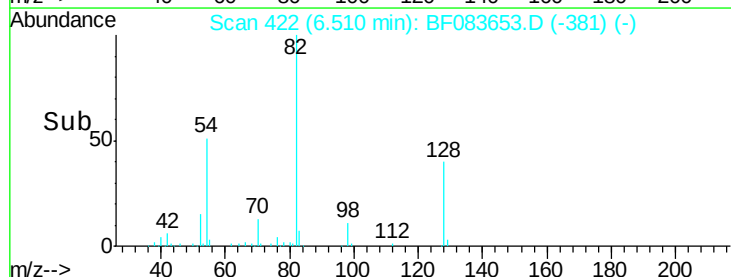


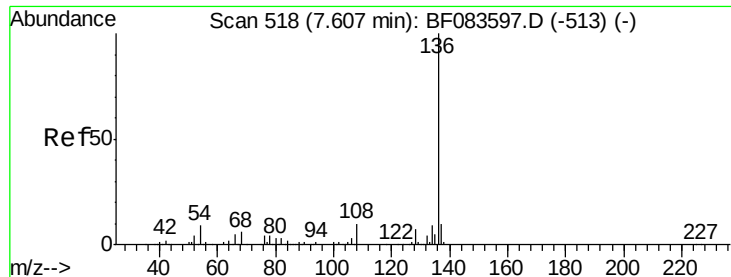
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

Tgt Ion: 136 Resp: 656787

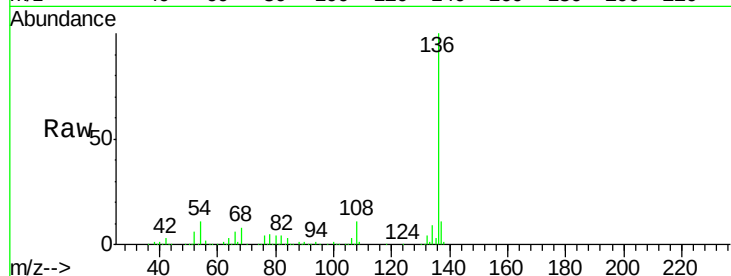
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.6 7.8 11.6

68 7.7 5.7 8.5

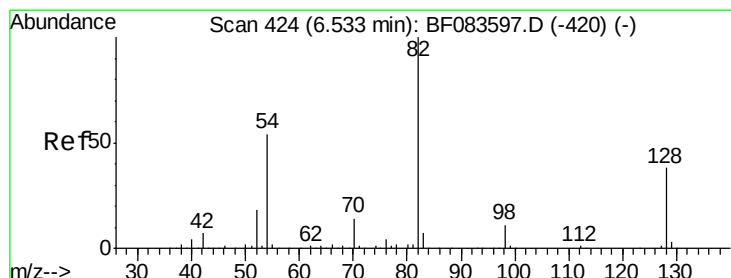
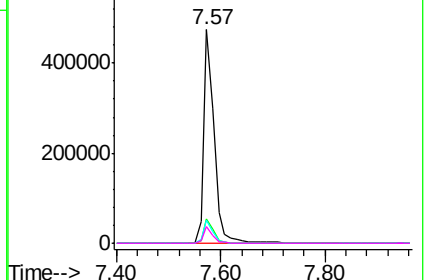
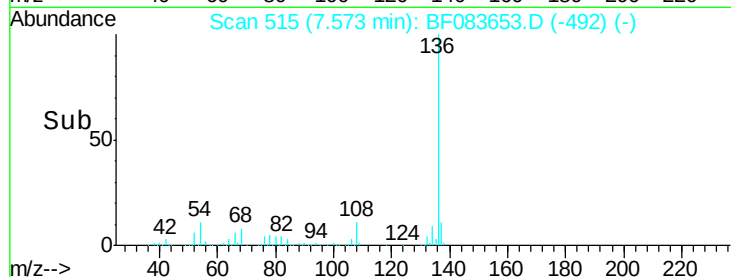


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.87 ng

RT: 6.51 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

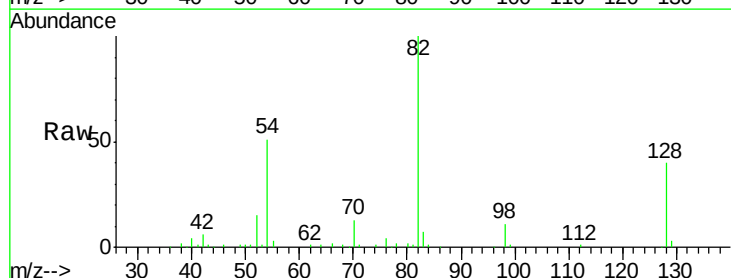
Tgt Ion: 82 Resp: 237459

Ion Ratio Lower Upper

82 100

128 39.9 30.7 46.1

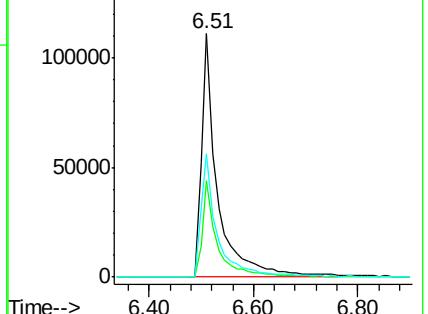
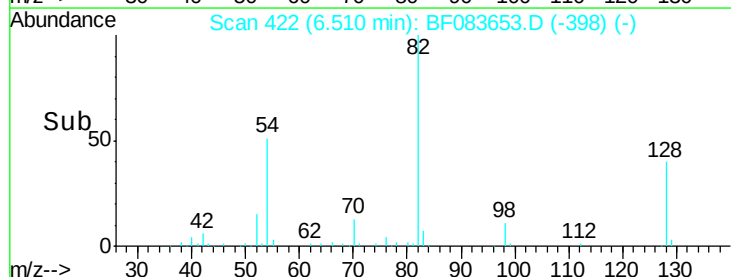
54 50.6 42.5 63.7

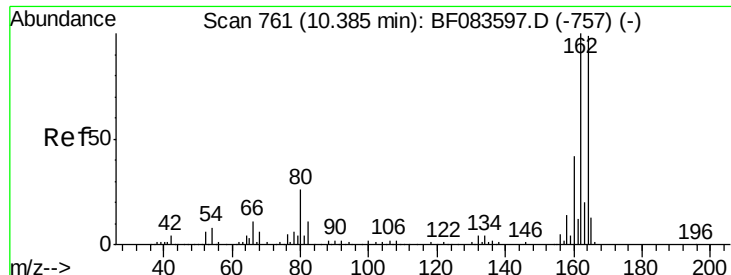


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

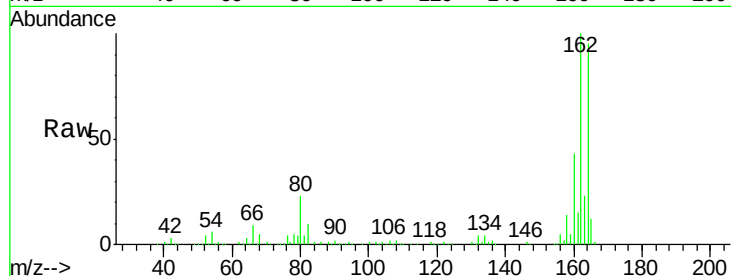




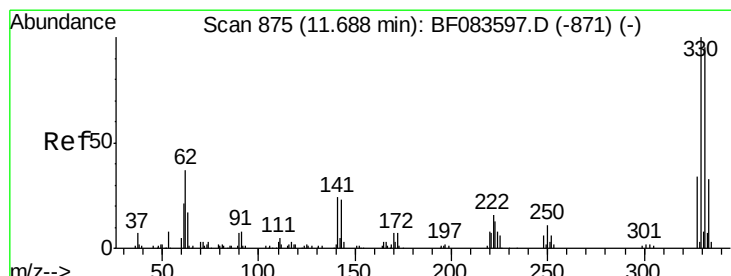
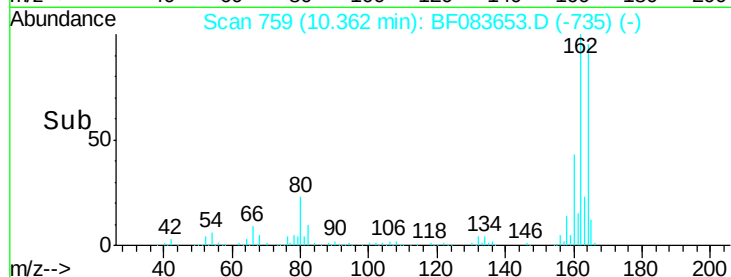
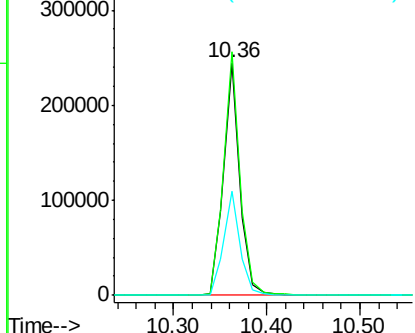
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tgt Ion:164 Resp: 296960
 Ion Ratio Lower Upper
 164 100
 162 104.8 78.8 118.2
 160 44.6 33.4 50.2

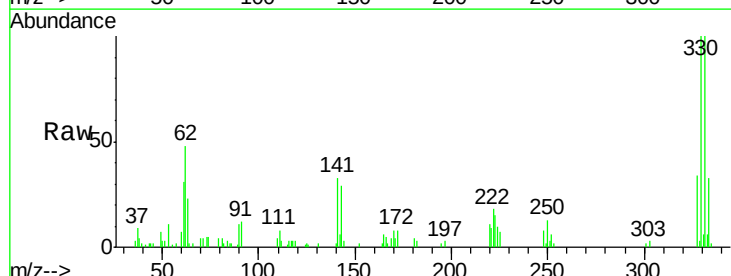


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

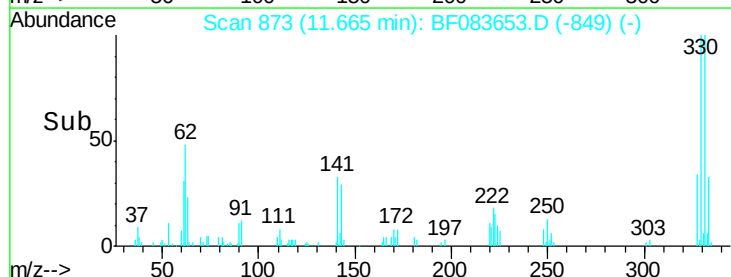
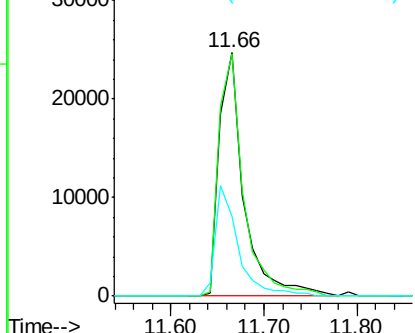


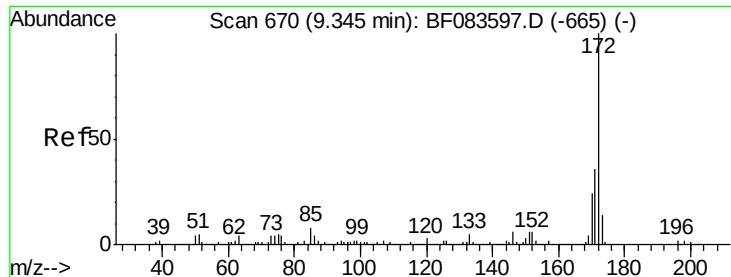
#41
 2,4,6-Tribromophenol
 Concen: 17.18 ng
 RT: 11.66 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Tgt Ion:330 Resp: 45444
 Ion Ratio Lower Upper
 330 100
 332 100.1 0.0 0.0#
 141 42.0 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: 18.74 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

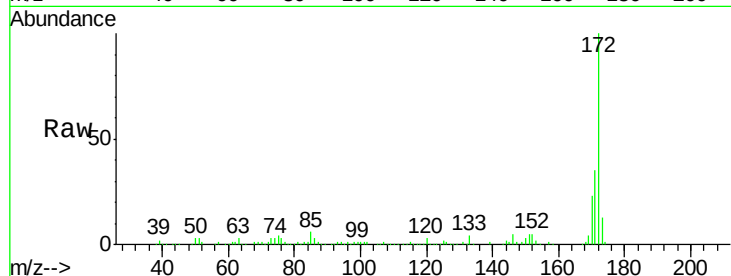
Tgt Ion:172 Resp: 395407

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

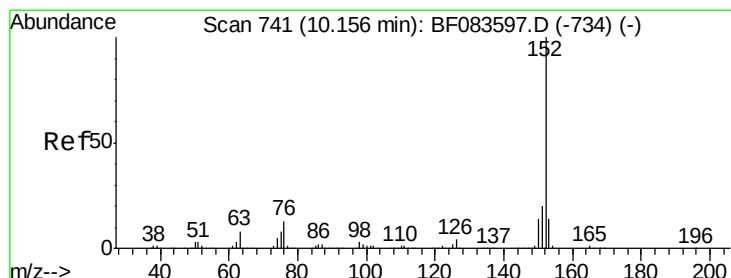
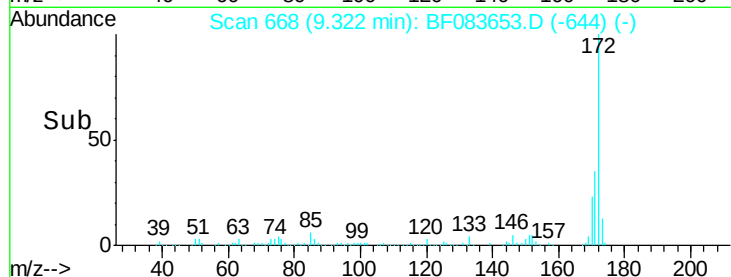
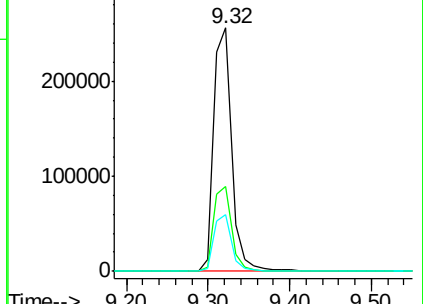
170 23.1 19.4 29.0



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: 2.23 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

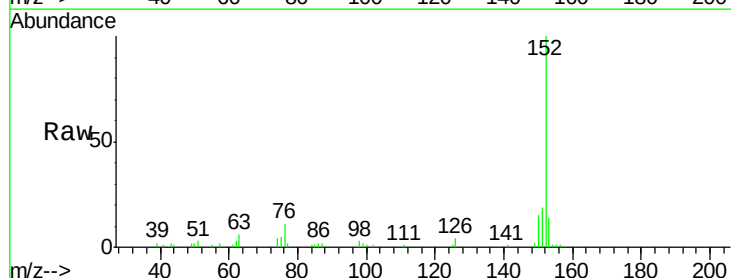
Tgt Ion:152 Resp: 71639

Ion Ratio Lower Upper

152 100

151 19.3 16.3 24.5

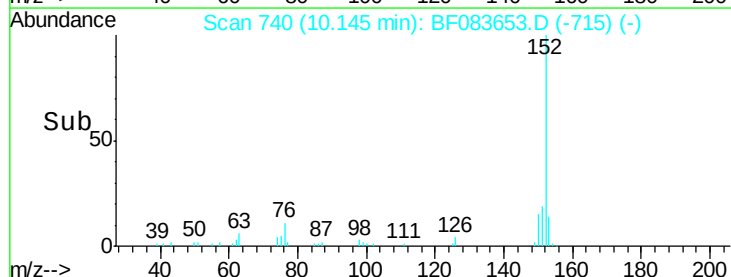
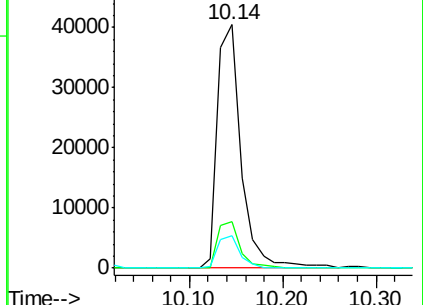
153 13.5 10.8 16.2

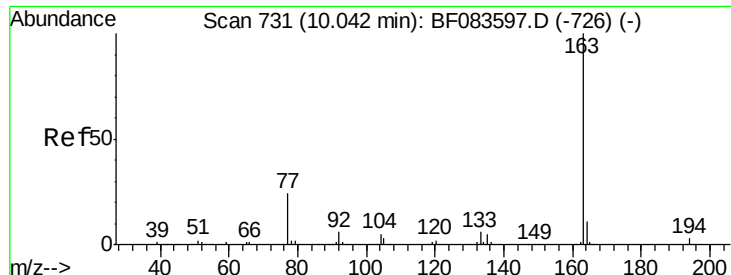


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 3.92 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

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SB-P3WC-13(0-8)DL

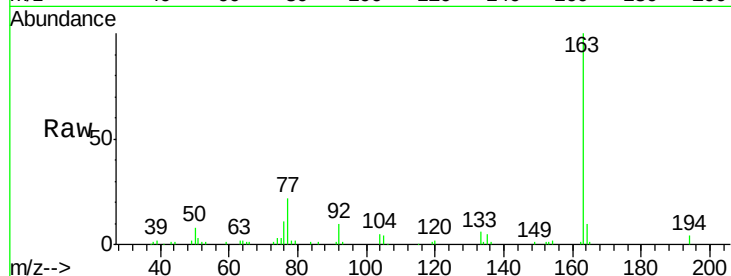
Tgt Ion:163 Resp: 92693

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

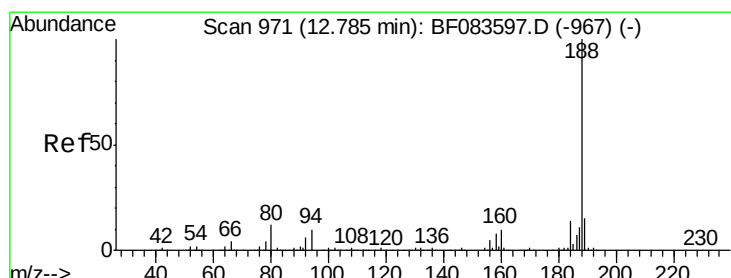
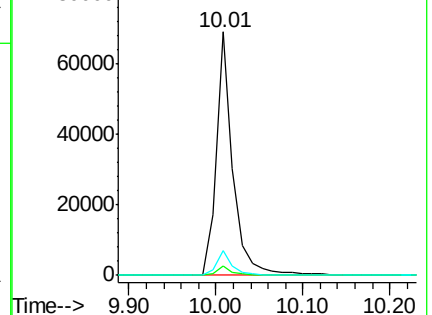
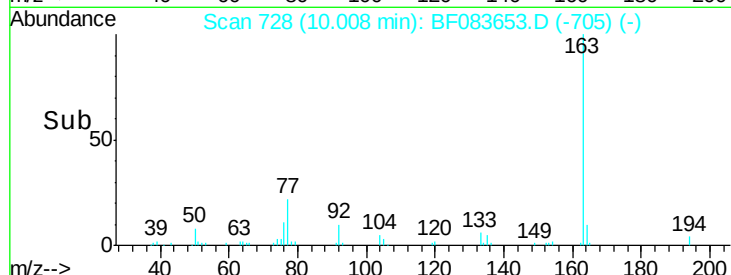
164 10.0 8.6 13.0



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: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

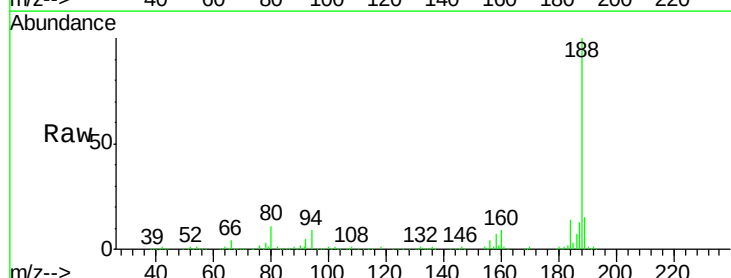
Tgt Ion:188 Resp: 477275

Ion Ratio Lower Upper

188 100

94 9.3 9.4 14.2#

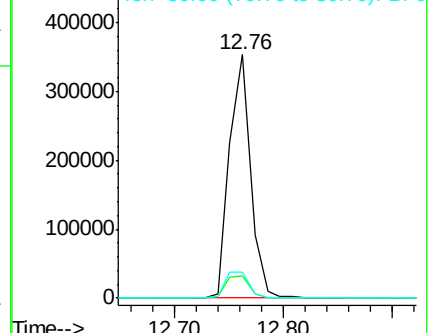
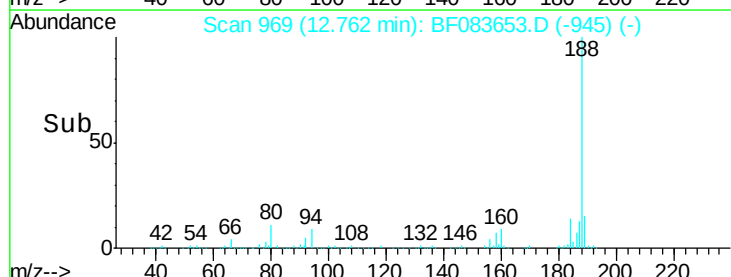
80 10.5 10.6 16.0#

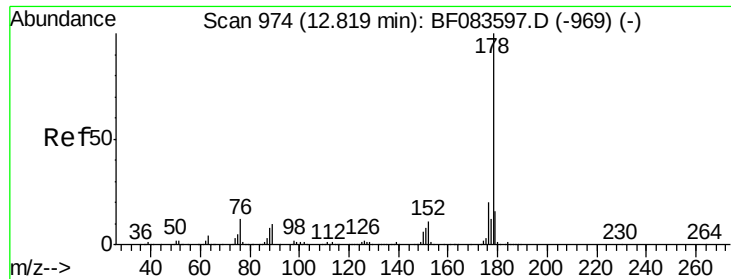


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

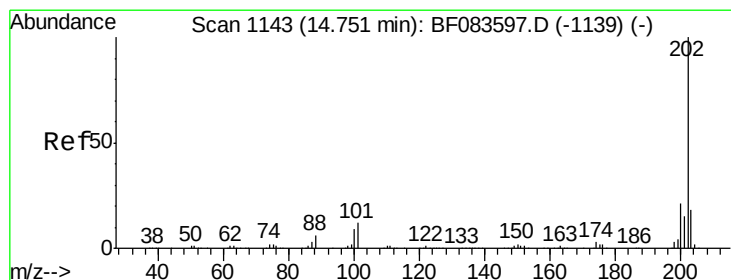
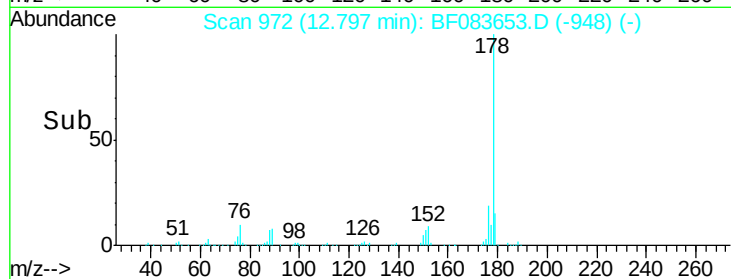
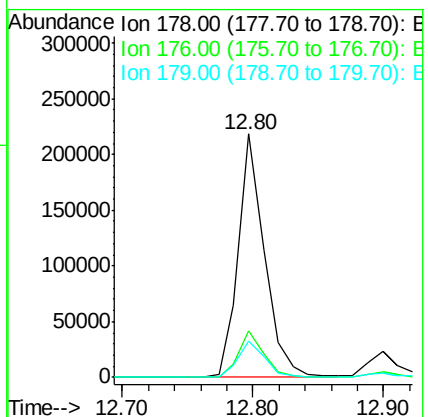
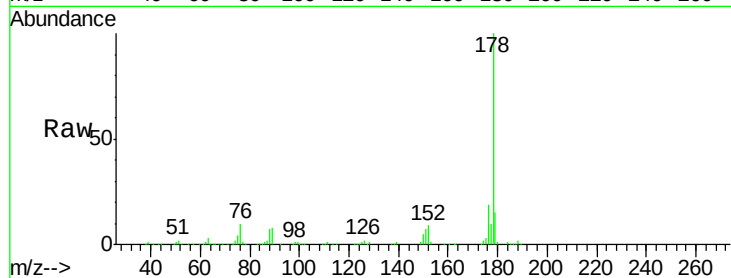




#70
Phenanthrene
Concen: 11.17 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

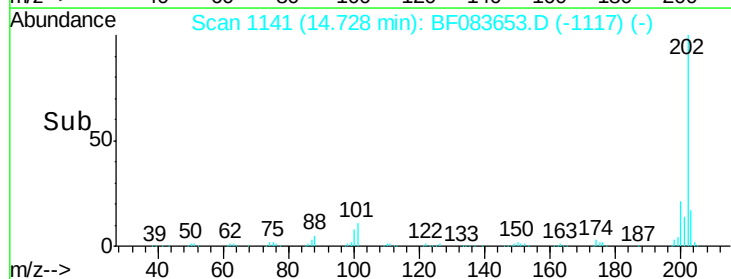
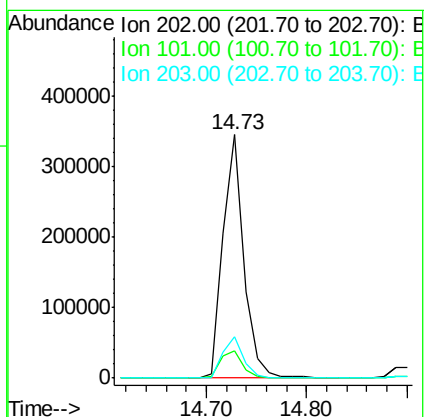
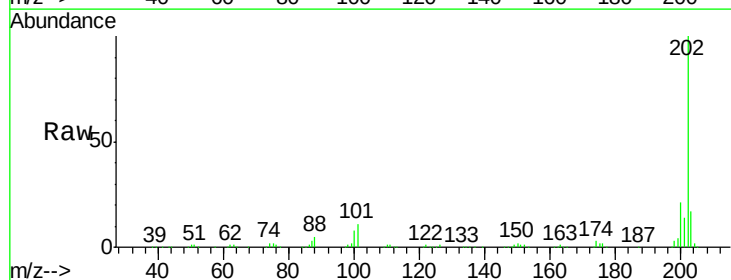
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

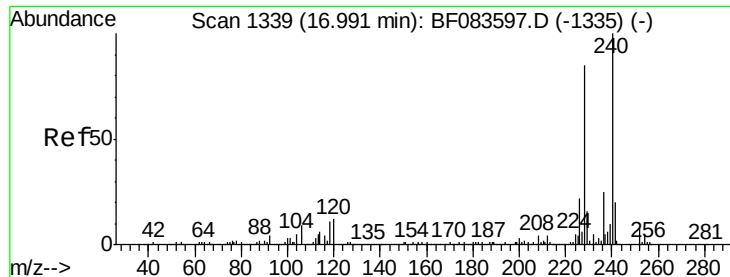
Tgt Ion:178 Resp: 306243
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.1 12.2 18.4



#74
Fluoranthene
Concen: 17.68 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion:202 Resp: 495973
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.0 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

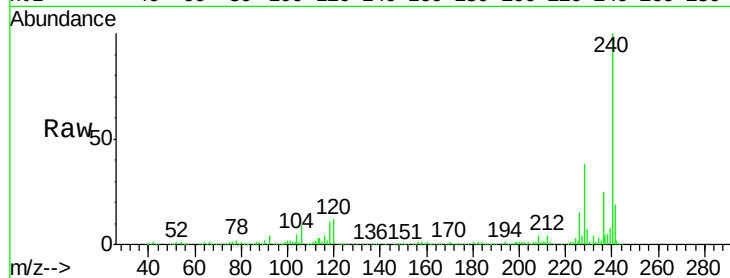
Tgt Ion:240 Resp: 394605

Ion Ratio Lower Upper

240 100

120 12.2 8.1 12.1#

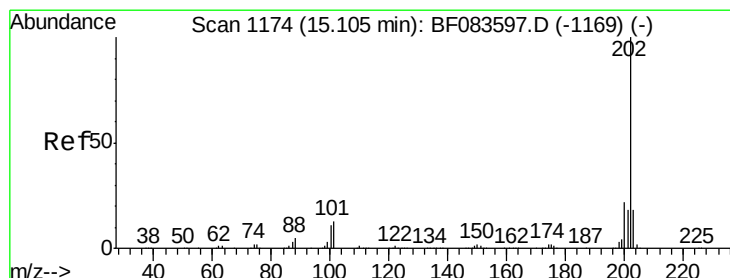
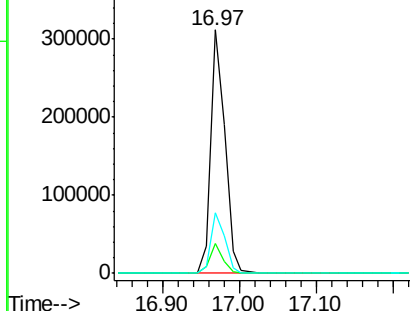
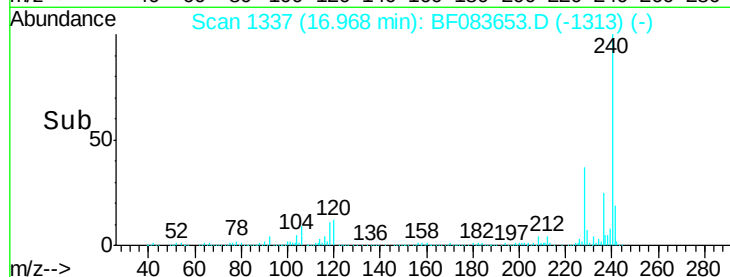
236 25.1 20.8 31.2



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: 22.92 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

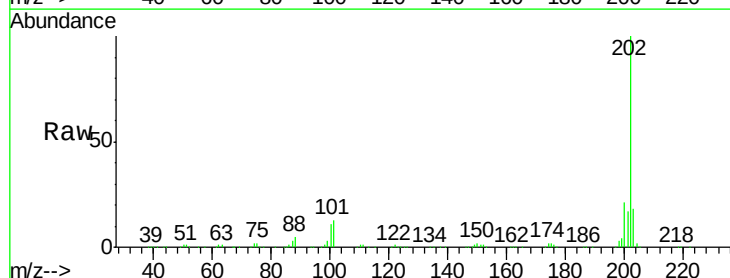
Tgt Ion:202 Resp: 651128

Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

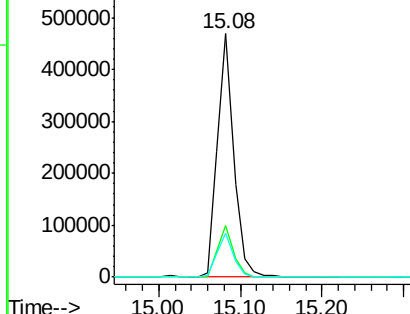
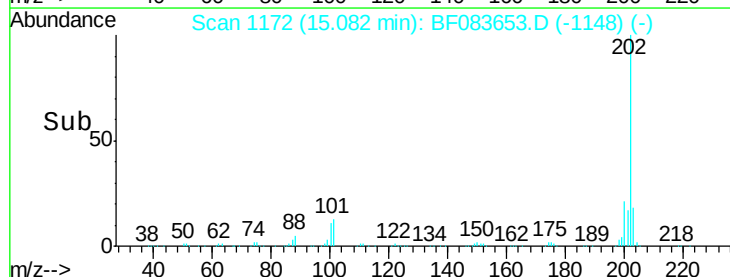
203 18.2 14.3 21.5

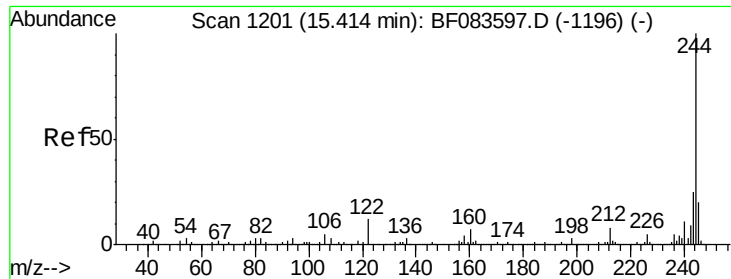


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

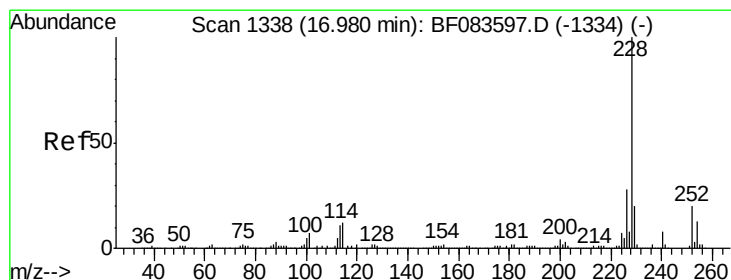
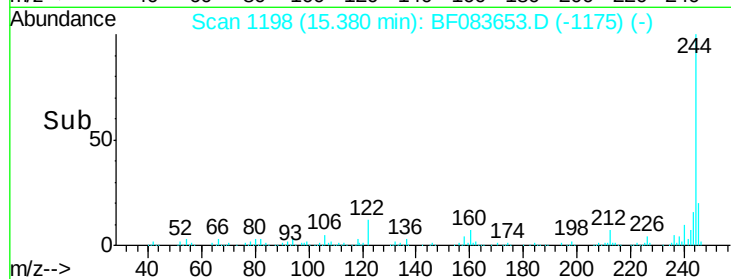
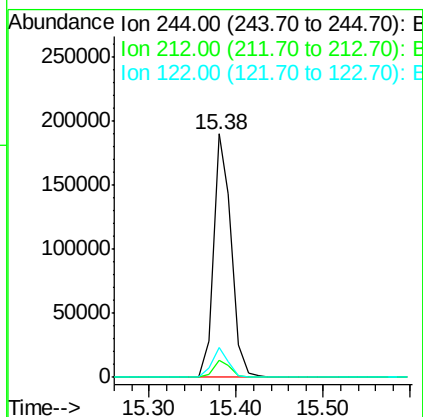
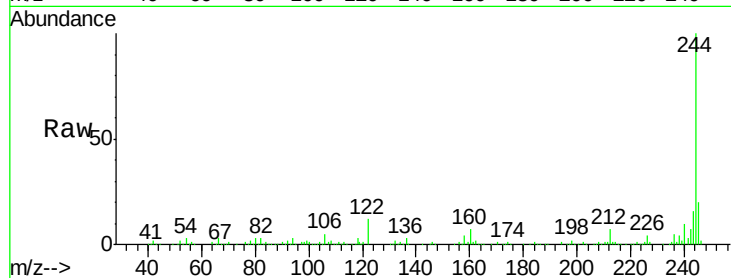




#78
 Terphenyl-d14
 Concen: 16.17 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

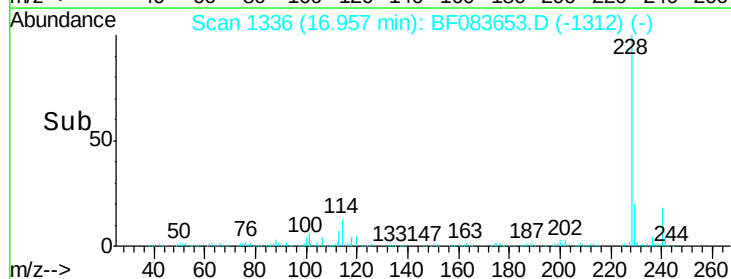
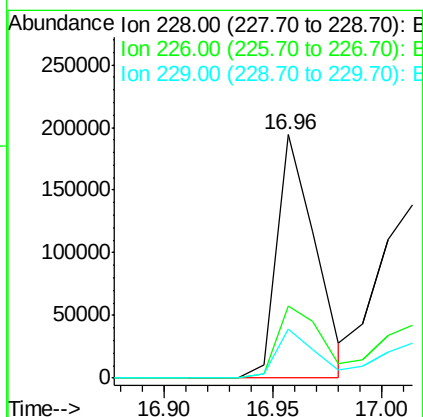
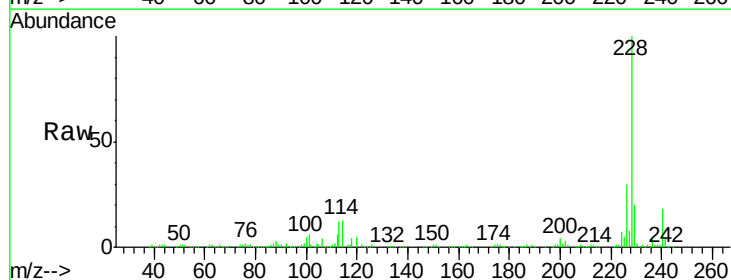
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

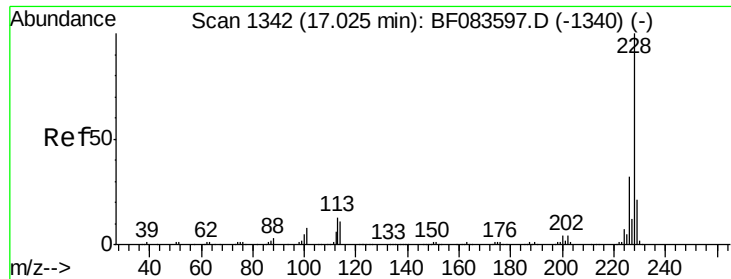
Tgt Ion:244 Resp: 271156
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.5 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 10.39 ng
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083653.D
 Acq: 9 Dec 2015 22:01

Tgt Ion:228 Resp: 240014
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.3 33.5
 229 20.1 15.7 23.5





#82

Chrysene

Concen: 10.56 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

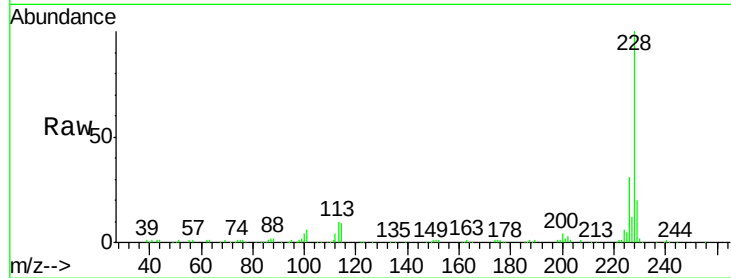
Tgt Ion:228 Resp: 244472

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

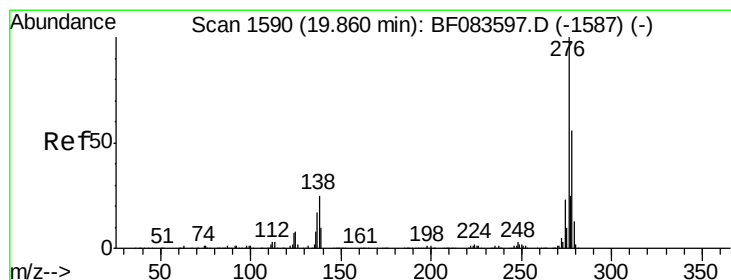
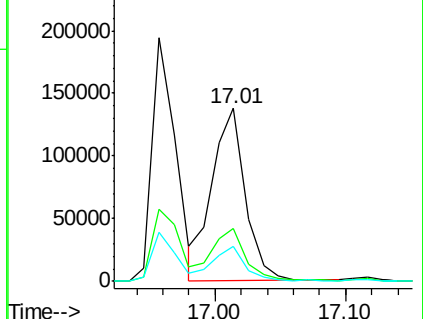
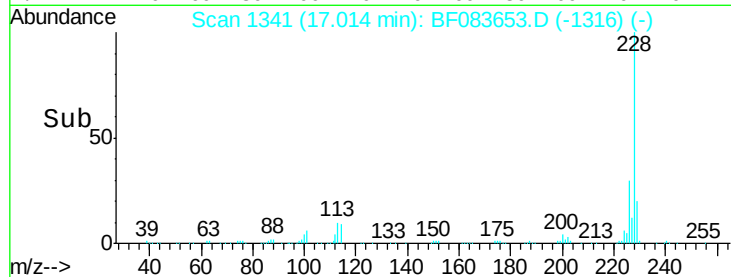
229 20.0 16.3 24.5



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: 7.51 ng

RT: 19.87 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

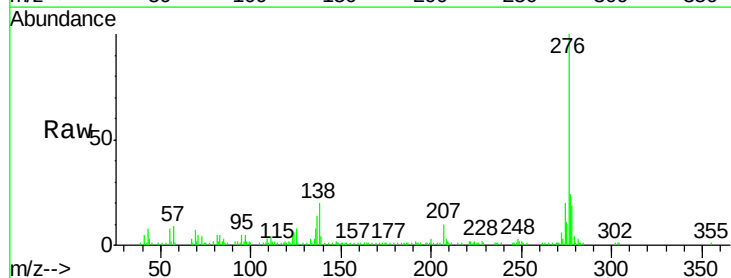
Tgt Ion:276 Resp: 117437

Ion Ratio Lower Upper

276 100

138 21.7 0.0 0.0#

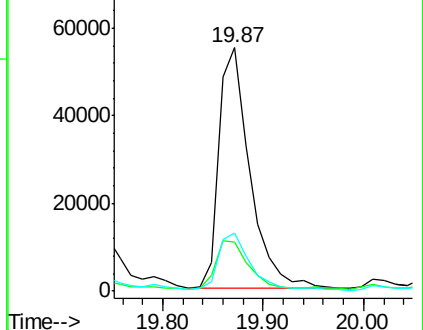
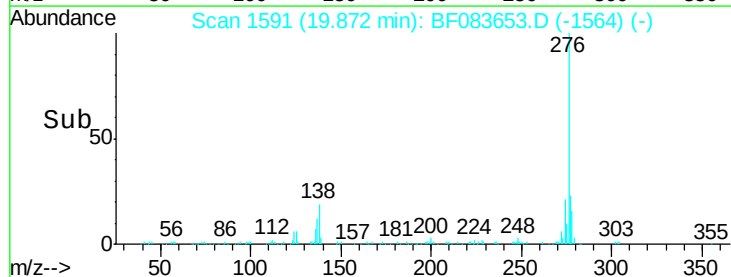
277 26.5 0.0 0.0#

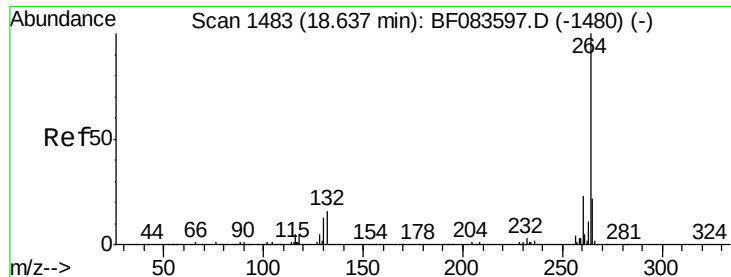


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

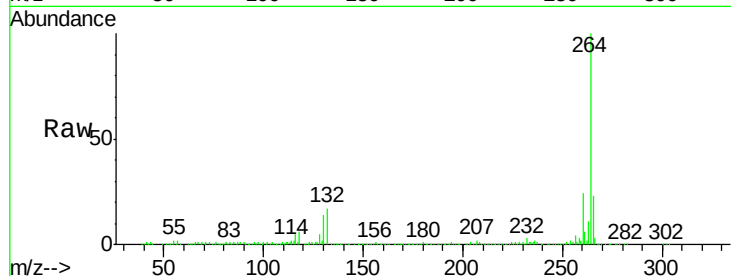




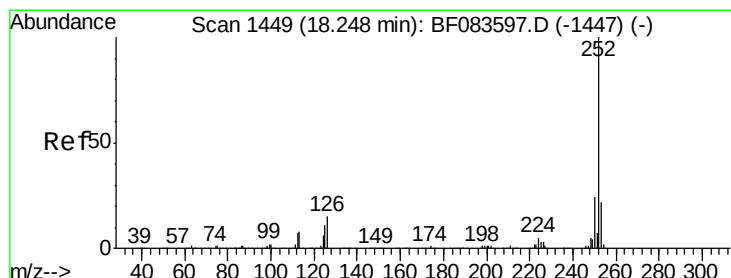
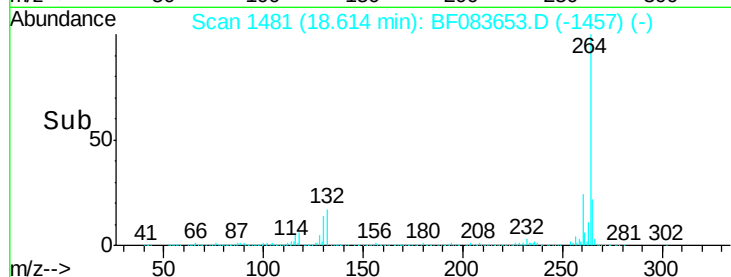
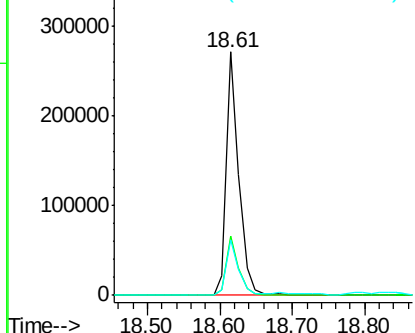
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tgt Ion:264 Resp: 327451
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.6 17.8 26.6

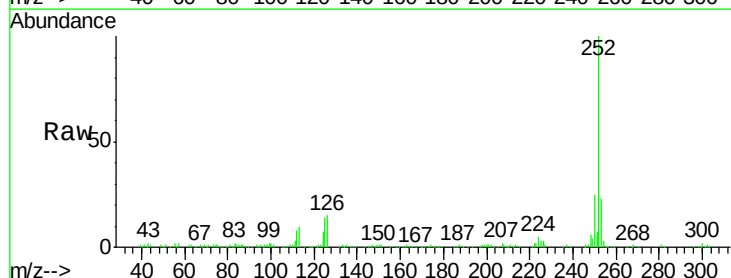


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

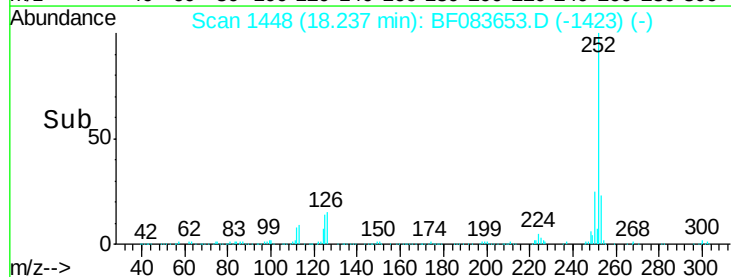
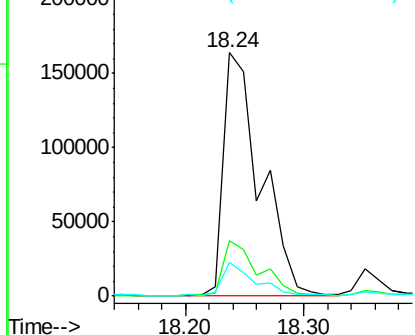


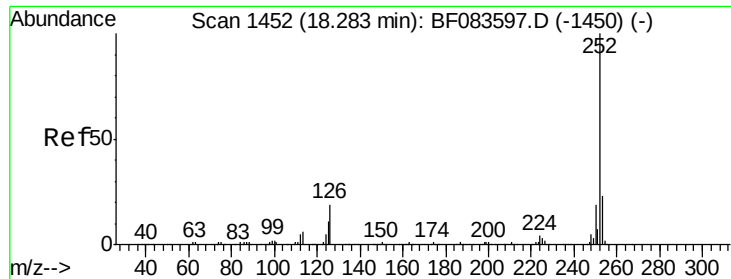
#87
Benzo(b)fluoranthene
Concen: 18.91 ng
RT: 18.24 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF083653.D
Acq: 9 Dec 2015 22:01

Tgt Ion:252 Resp: 352534
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 13.8 8.2 12.4#



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: 17.16 ng

RT: 18.24 min Scan# 1448

Delta R.T. -0.05 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

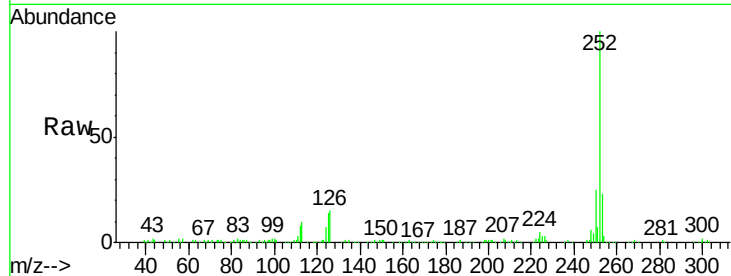
Tgt Ion:252 Resp: 352534

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

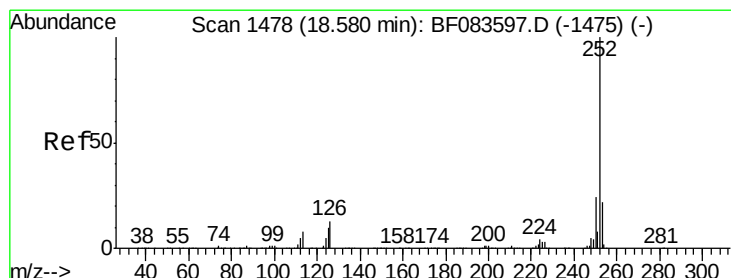
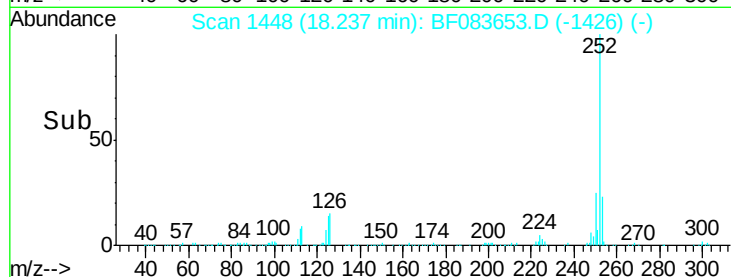
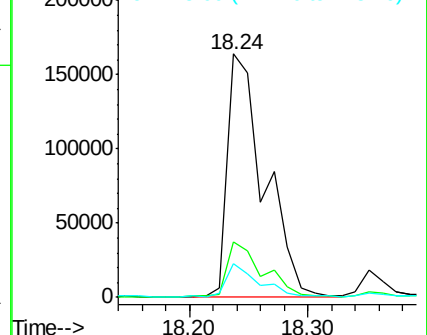
125 13.8 11.5 17.3



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: 8.21 ng

RT: 18.51 min Scan# 1472

Delta R.T. -0.07 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

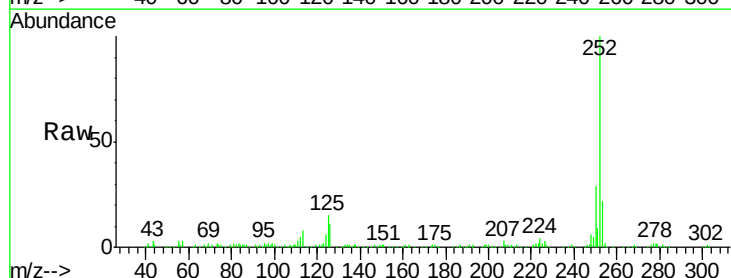
Tgt Ion:252 Resp: 149351

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

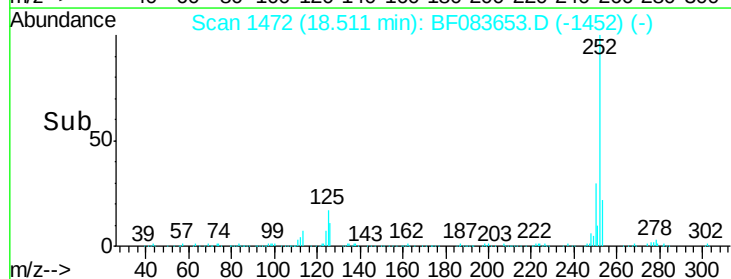
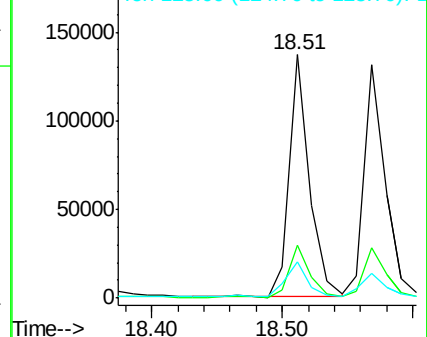
125 14.7 11.0 16.6

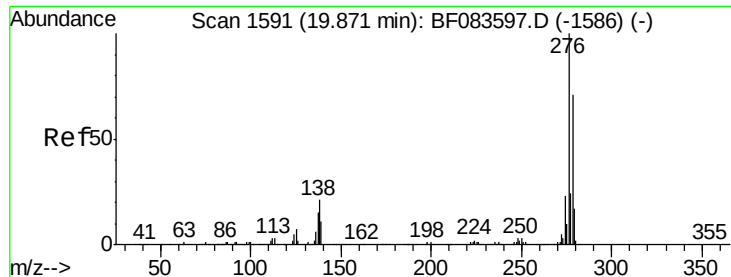


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.36 ng

RT: 19.87 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

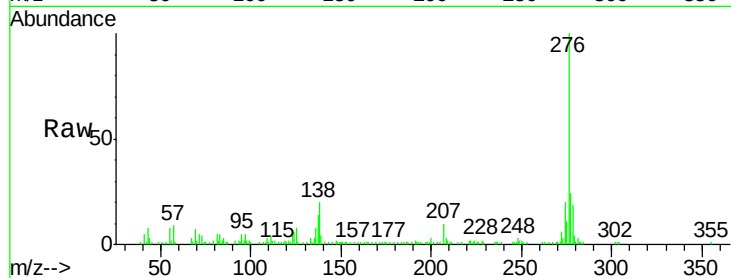
Tgt Ion:278 Resp: 32853

Ion Ratio Lower Upper

278 100

139 21.3 12.8 19.2#

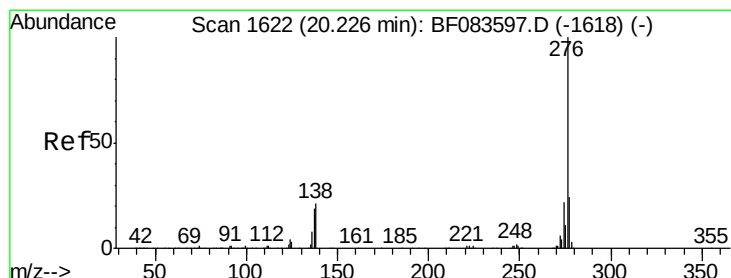
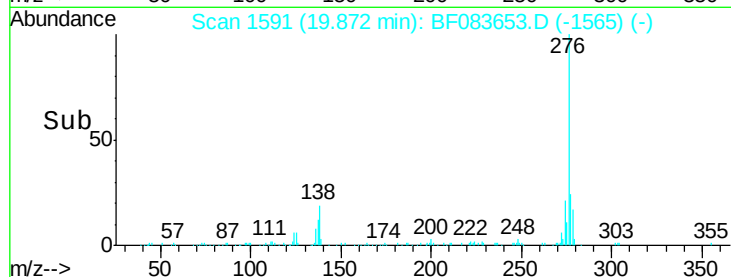
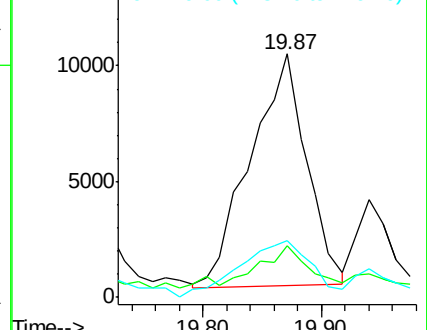
279 23.5 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.90 ng

RT: 20.23 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BF083653.D

Acq: 9 Dec 2015 22:01

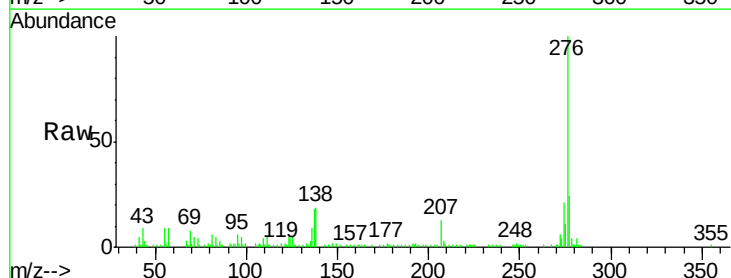
Tgt Ion:276 Resp: 120768

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 19.5 19.5 29.3#



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

