

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083662.D
 Acq On : 10 Dec 2015 3:15
 Operator : UM/IZ
 Sample : G4583-01DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-P3WC-01(0-4)DL

Quant Time: Dec 10 04:38:23 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

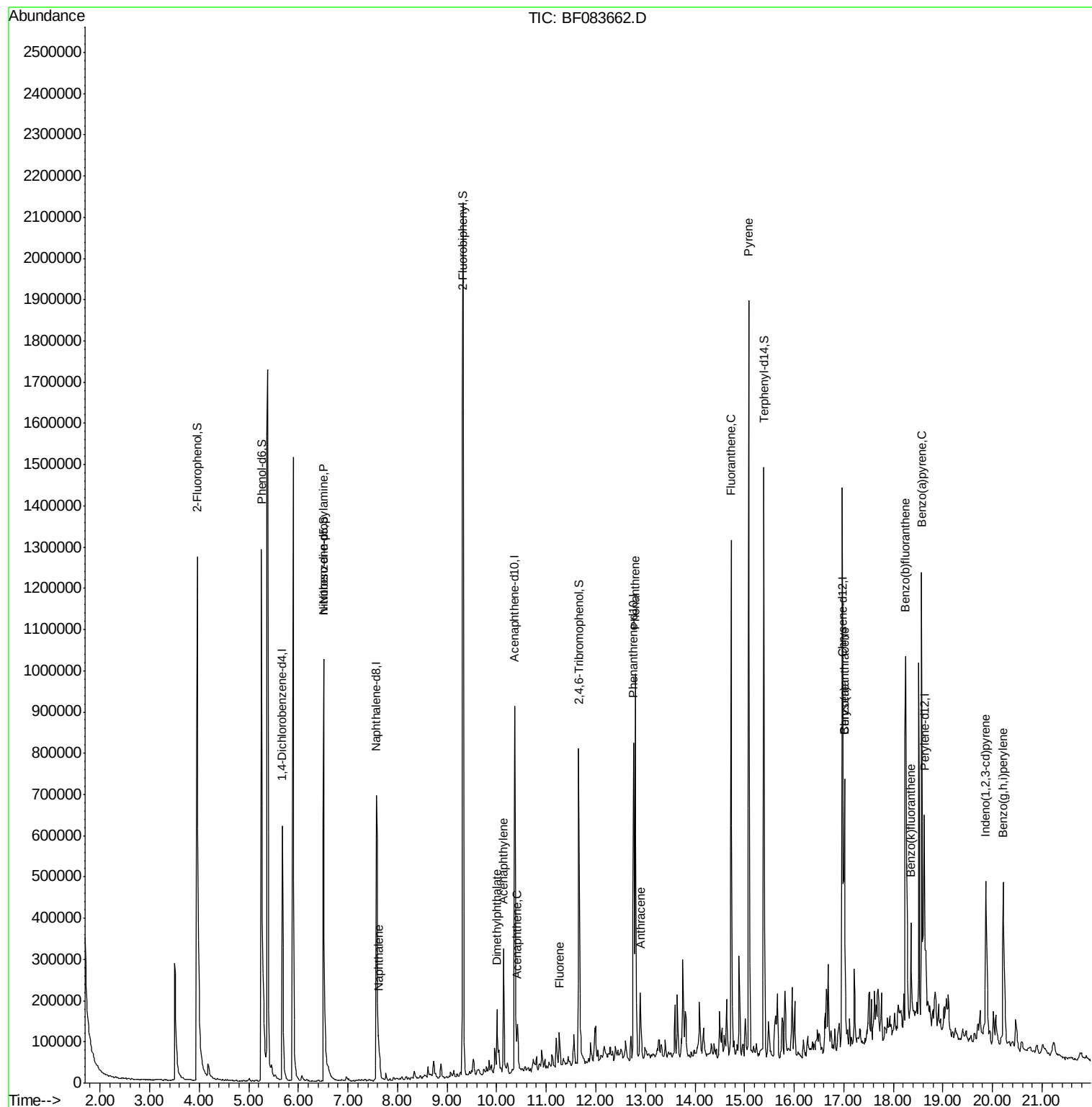
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	138637	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	525698	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	237789	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	374714	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	303597	20.00	ng	-0.01
86) Perylene-d12	18.63	264	256757	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	737603	80.70	ng	-0.01
7) Phenol-d6	5.25	99	1040960	85.23	ng	-0.02
23) Nitrobenzene-d5	6.51	82	636905	56.53	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	136340	64.36	ng	-0.03
44) 2-Fluorobiphenyl	9.32	172	1015331	60.10	ng	-0.02
78) Terphenyl-d14	15.39	244	694428	53.82	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.51	70	75578	8.87	ng	# 77
31) Naphthalene	7.62	128	84089	3.02	ng	97
48) Acenaphthylene	10.13	152	224826	8.74	ng	98
49) Dimethylphthalate	10.01	163	85387	4.51	ng	98
51) Acenaphthene	10.42	154	36376	2.47	ng	98
57) Fluorene	11.27	166	38636	2.17	ng	98
70) Phenanthrene	12.80	178	544662	25.30	ng	99
71) Anthracene	12.90	178	130720	5.86	ng	99
74) Fluoranthene	14.73	202	747628	33.95	ng	99
77) Pyrene	15.08	202	1107524	50.67	ng	99
80) Benzo(a)anthracene	17.01	228	366710	20.64	ng	95
82) Chrysene	17.01	228	367489	20.63	ng	99
85) Indeno(1,2,3-cd)pyrene	19.86	276	305657	25.42	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	711198	48.64	ng	99
88) Benzo(k)fluoranthene	18.35	252	132829	8.24	ng	98
89) Benzo(a)pyrene	18.57	252	511181	35.83	ng	97
91) Benzo(g,h,i)perylene	20.21	276	363320	34.16	ng	96

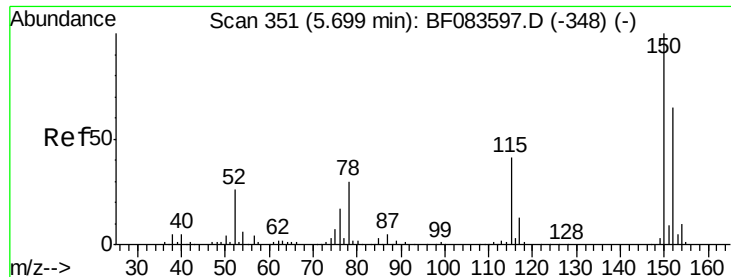
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083662.D
Acq On : 10 Dec 2015 3:15
Operator : UM/IZ
Sample : G4583-01DL 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-P3WC-01(0-4)DL

Quant Time: Dec 10 04:38:23 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

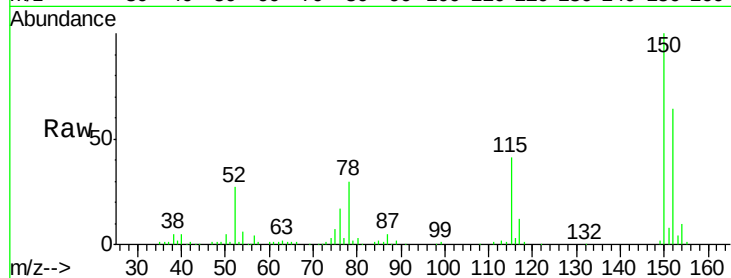
Tgt Ion:152 Resp: 138637

Ion Ratio Lower Upper

152 100

150 155.1 126.5 189.7

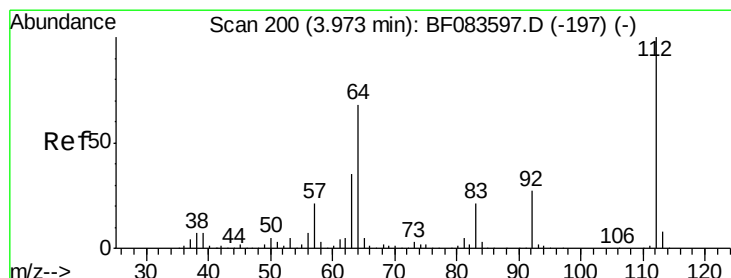
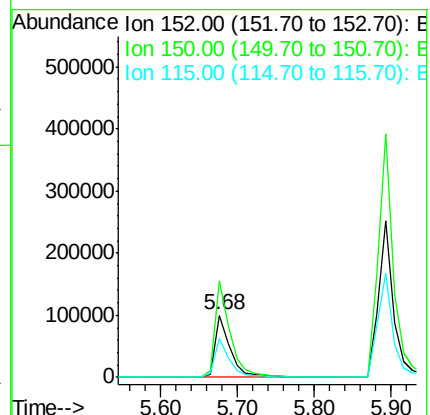
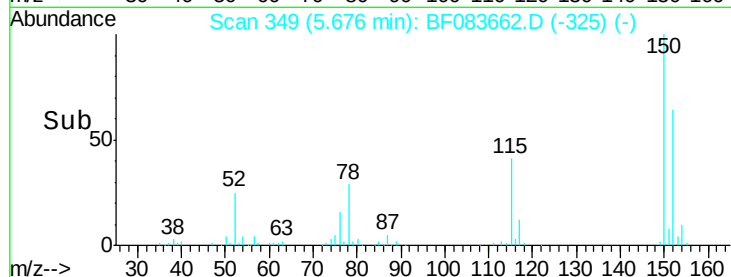
115 63.2 52.3 78.5



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: 80.70 ng

RT: 3.96 min Scan# 199

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

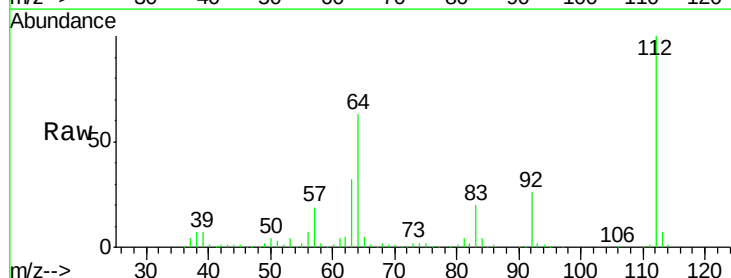
Tgt Ion:112 Resp: 737603

Ion Ratio Lower Upper

112 100

64 63.2 50.5 75.7

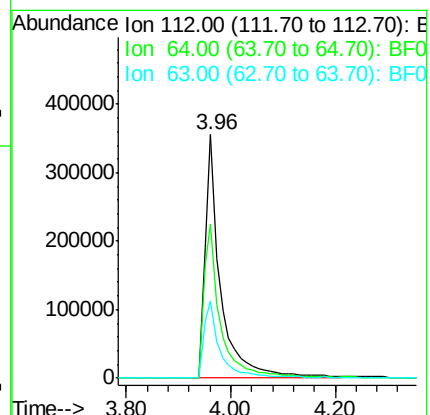
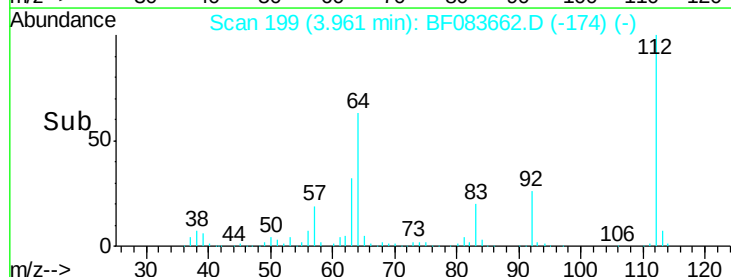
63 31.6 25.8 38.6

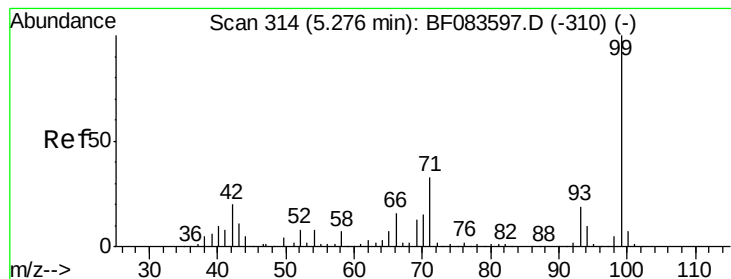


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.23 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

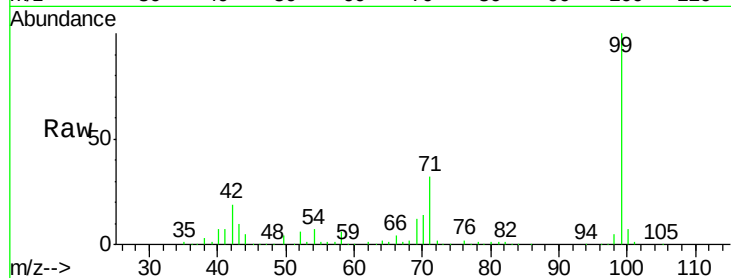
Tgt Ion: 99 Resp: 1040960

Ion Ratio Lower Upper

99 100

42 18.6 17.3 25.9

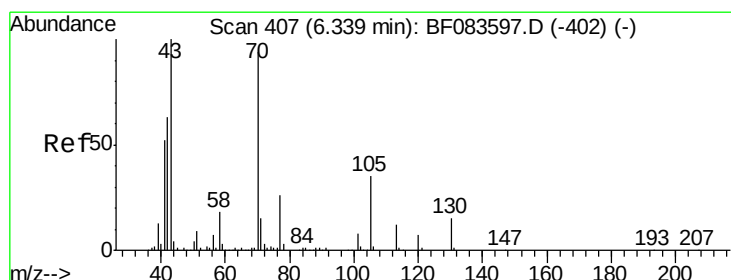
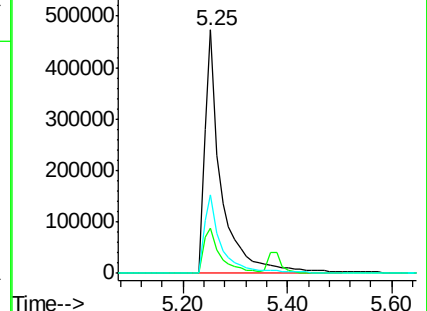
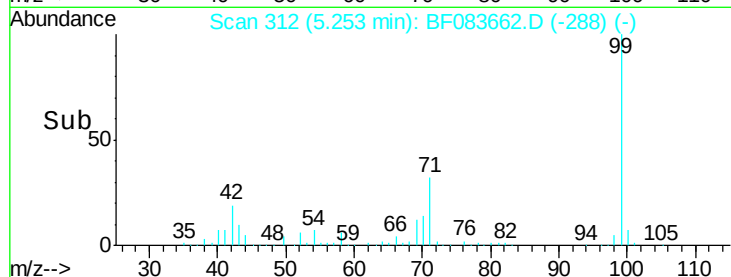
71 32.0 26.6 40.0



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: 8.87 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Tgt Ion: 70 Resp: 75578

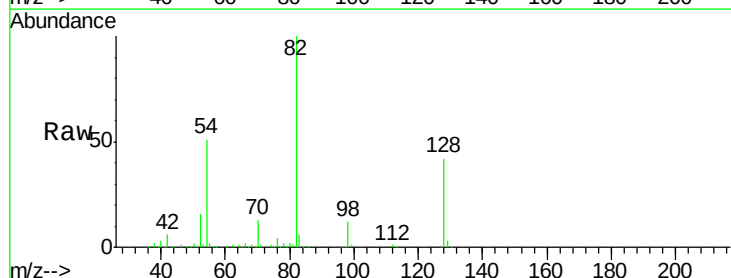
Ion Ratio Lower Upper

70 100

42 46.9 49.2 73.8#

101 0.0 7.1 10.7#

130 2.4 15.4 23.0#

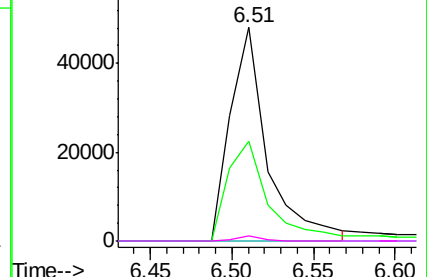
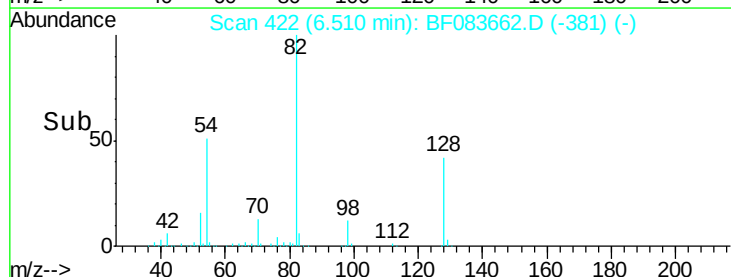


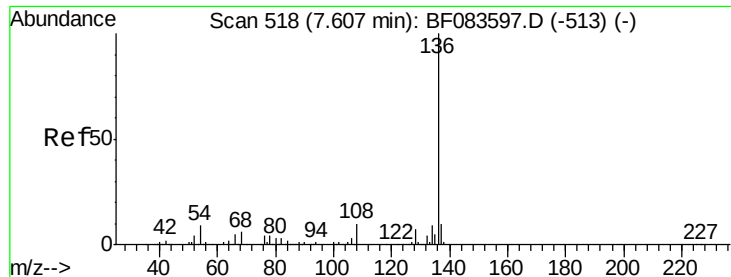
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

Tgt Ion: 136 Resp: 525698

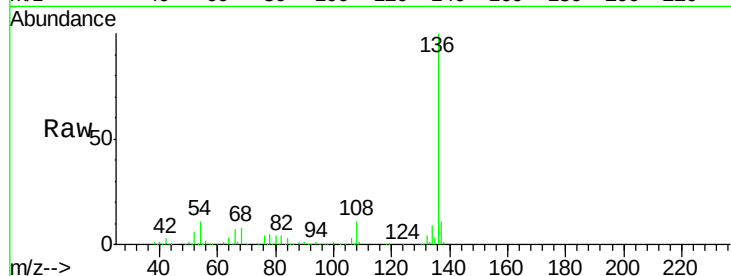
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.5 7.8 11.6

68 7.9 5.7 8.5

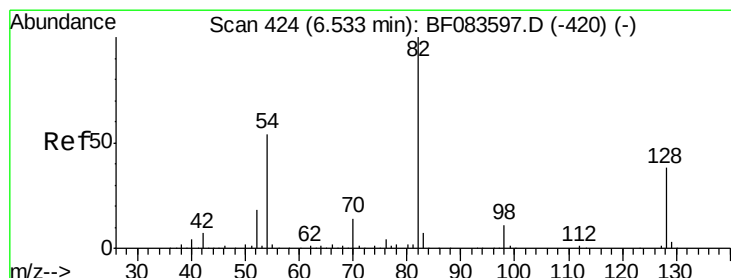
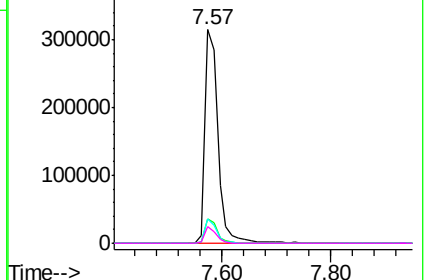
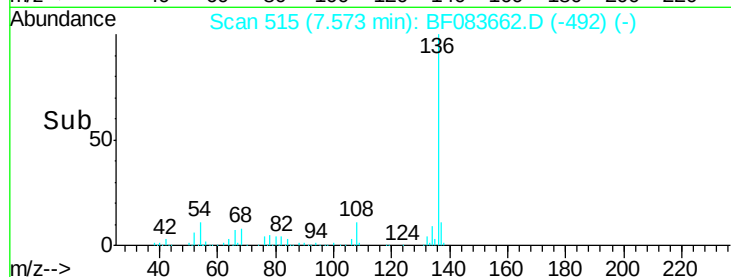


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.53 ng

RT: 6.51 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

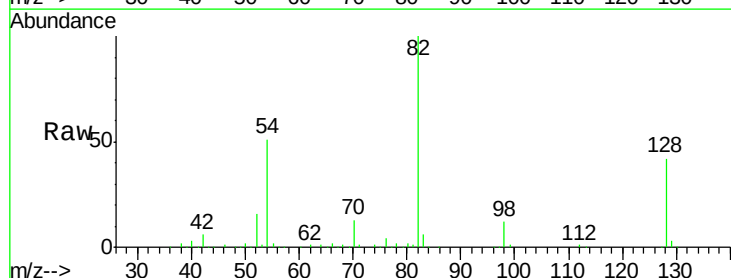
Tgt Ion: 82 Resp: 636905

Ion Ratio Lower Upper

82 100

128 42.0 30.7 46.1

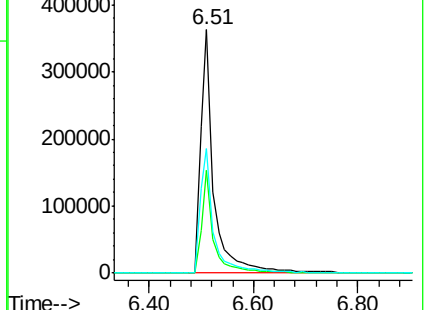
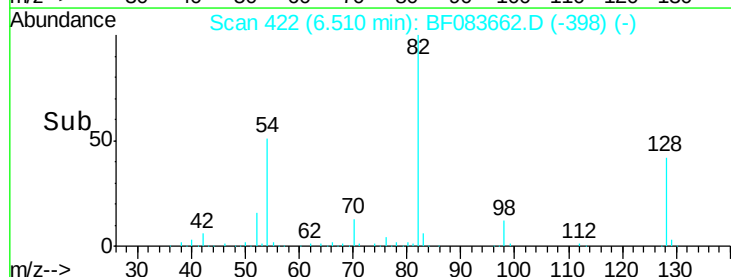
54 50.9 42.5 63.7

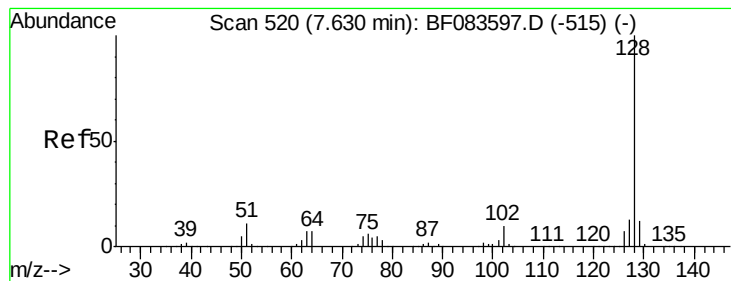


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.02 ng

RT: 7.62 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

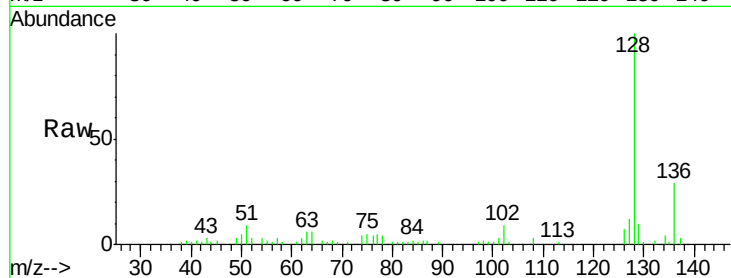
Tgt Ion:128 Resp: 84089

Ion Ratio Lower Upper

128 100

129 9.9 8.6 13.0

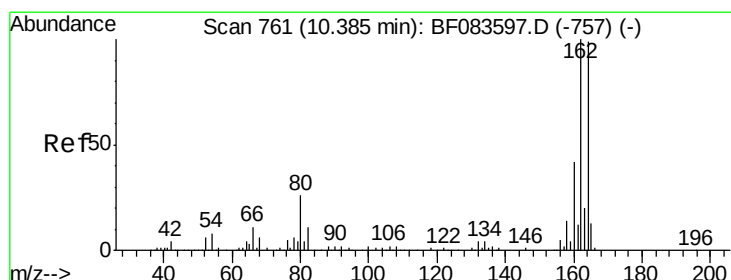
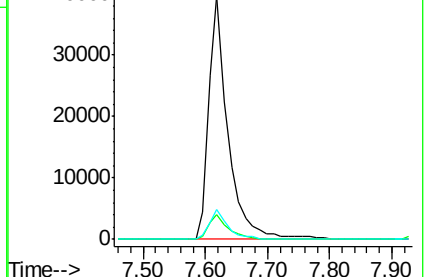
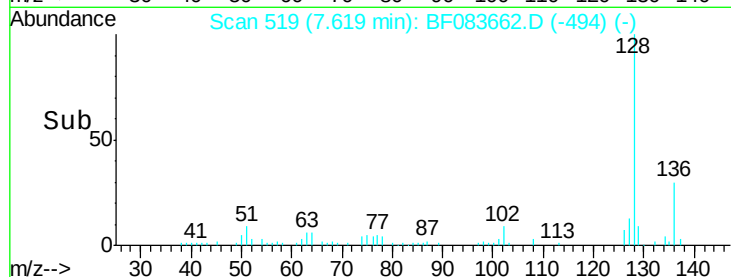
127 12.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

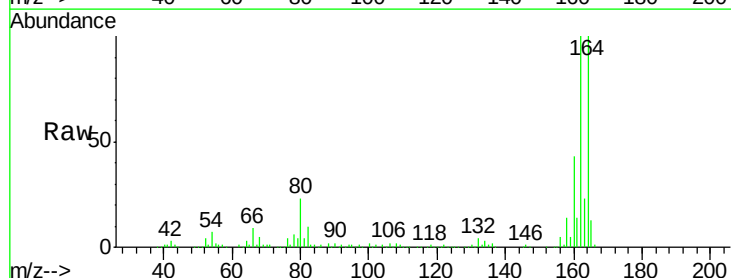
Tgt Ion:164 Resp: 237789

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

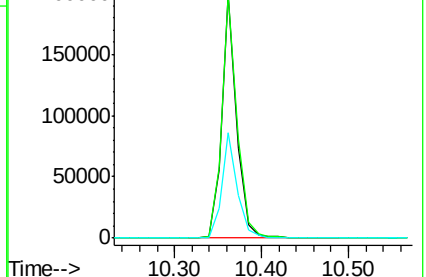
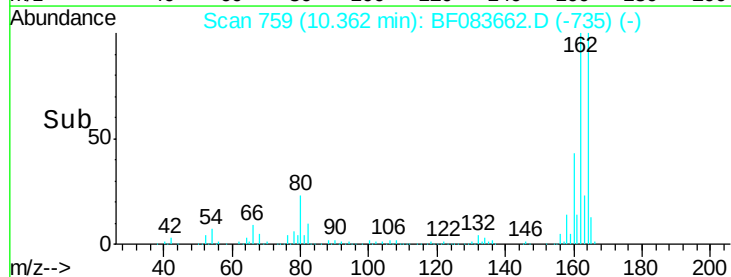
160 43.1 33.4 50.2

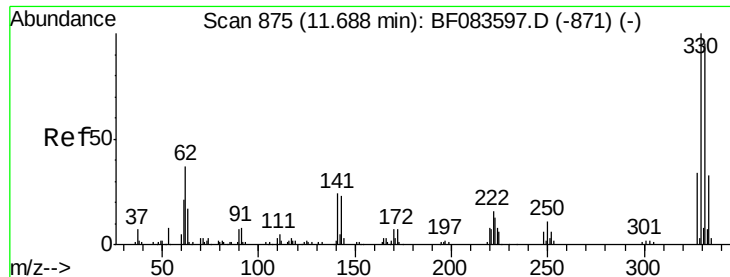


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

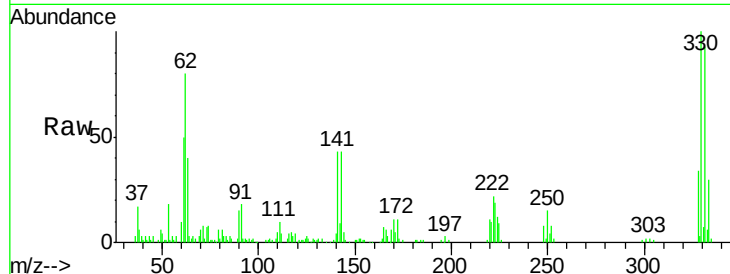




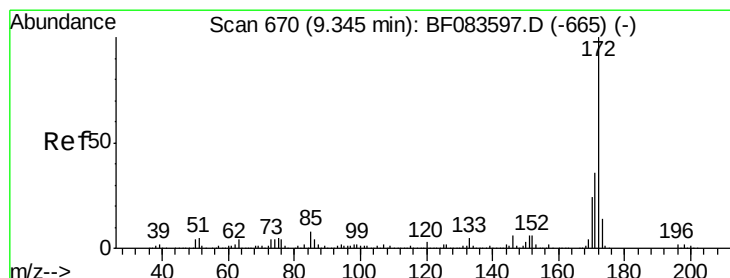
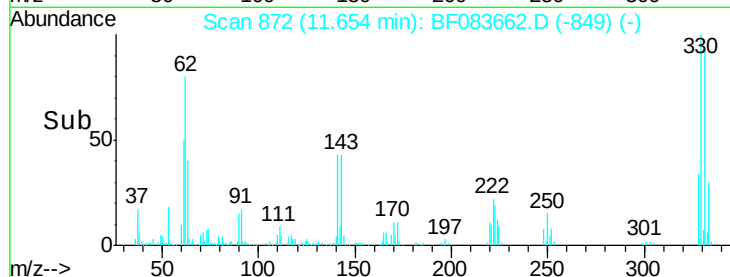
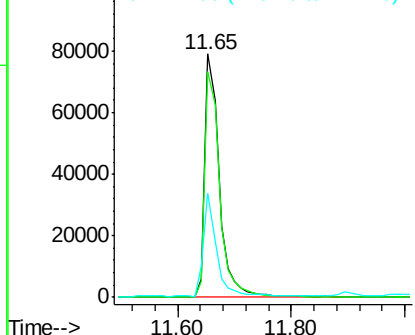
#41
 2,4,6-Tribromophenol
 Concen: 64.36 ng
 RT: 11.65 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF083662.D
 Acq: 10 Dec 2015 3:15

Instrument :
 BNA_M
 ClientSampleId :
 SB-P3WC-01(0-4)DL

Tgt Ion:330 Resp: 136340
 Ion Ratio Lower Upper
 330 100
 332 94.8 0.0 0.0#
 141 41.7 0.0 0.0#

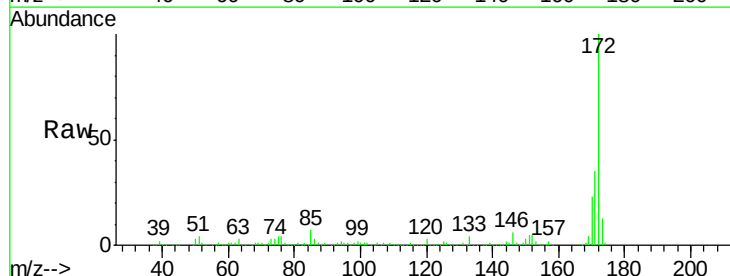


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

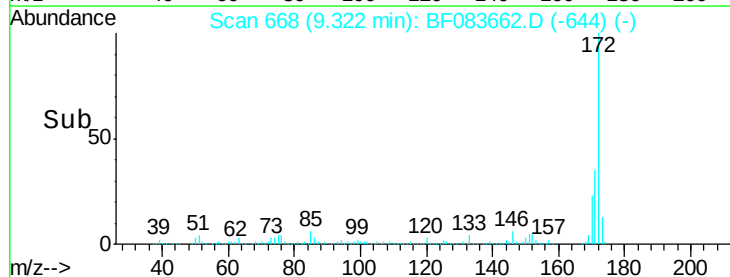
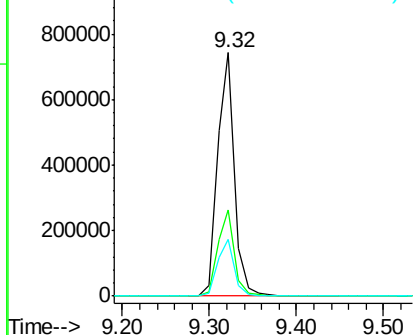


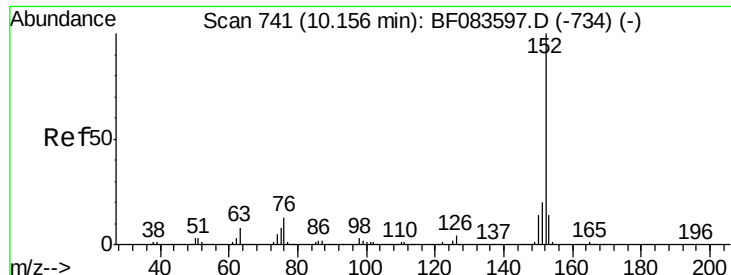
#44
 2-Fluorobiphenyl
 Concen: 60.10 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083662.D
 Acq: 10 Dec 2015 3:15

Tgt Ion:172 Resp: 1015331
 Ion Ratio Lower Upper
 172 100
 171 35.3 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: 8.74 ng

RT: 10.13 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

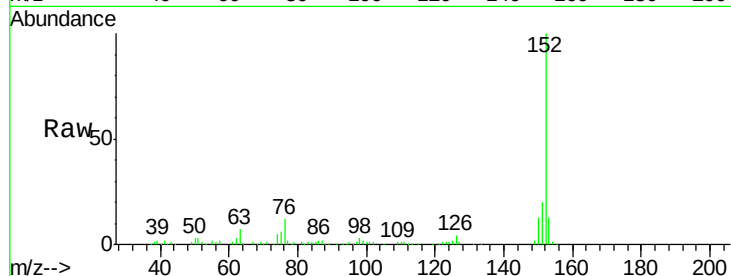
Tgt Ion:152 Resp: 224826

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

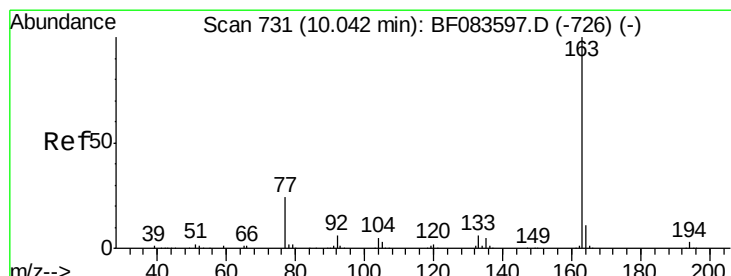
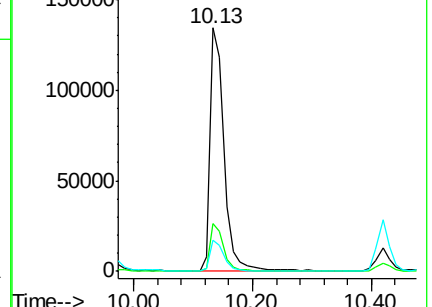
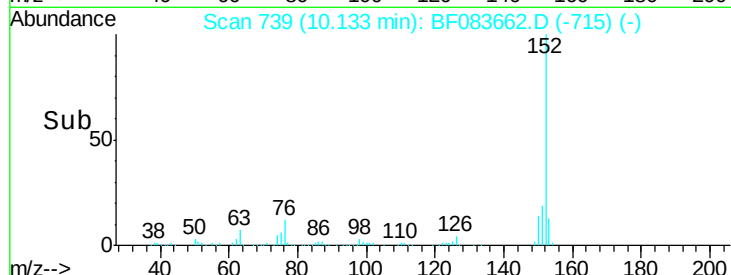
153 13.0 10.8 16.2



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: 4.51 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

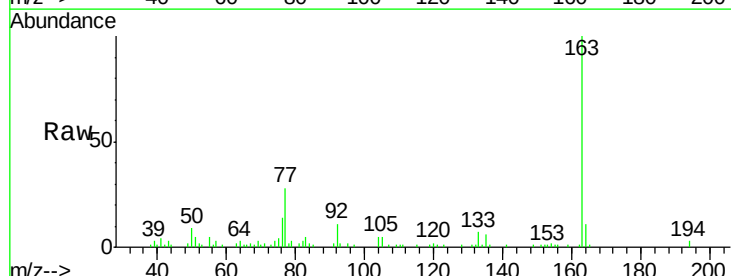
Tgt Ion:163 Resp: 85387

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

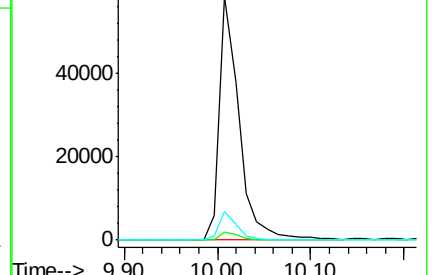
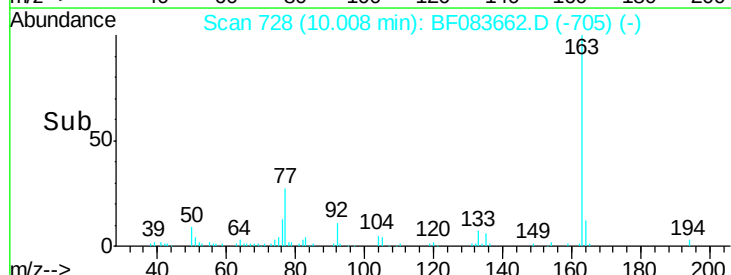
164 11.5 8.6 13.0

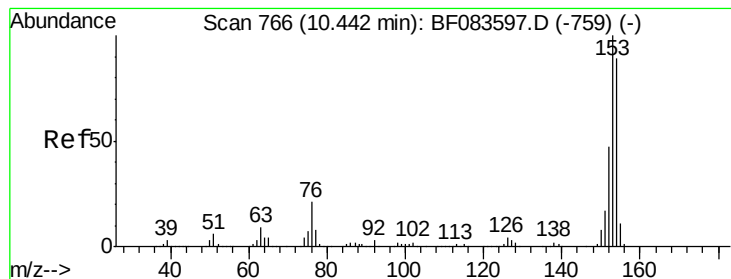


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.47 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

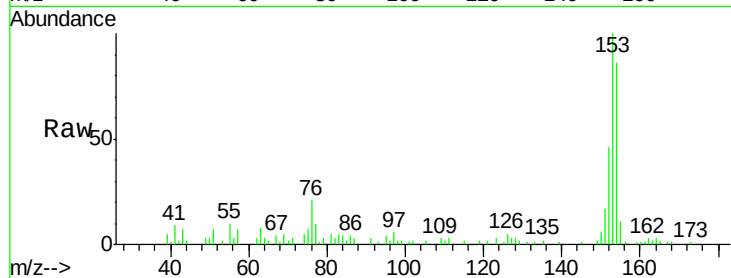
Tgt Ion:154 Resp: 36376

Ion Ratio Lower Upper

154 100

153 116.6 91.4 137.0

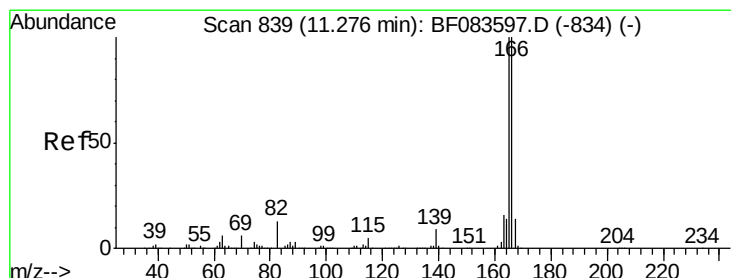
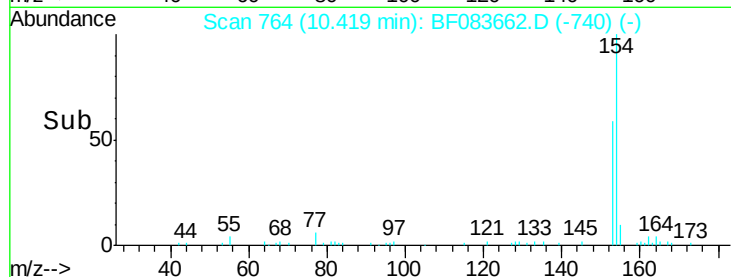
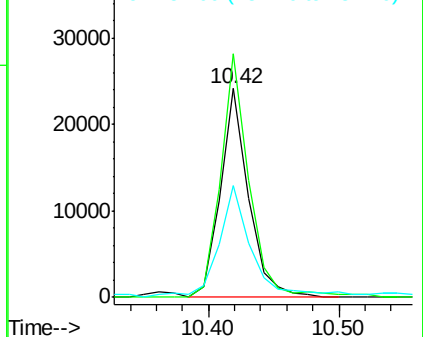
152 53.4 43.4 65.2



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: 2.17 ng

RT: 11.27 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

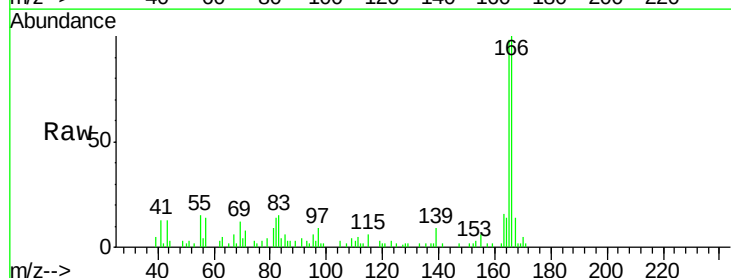
Tgt Ion:166 Resp: 38636

Ion Ratio Lower Upper

166 100

165 97.8 80.0 120.0

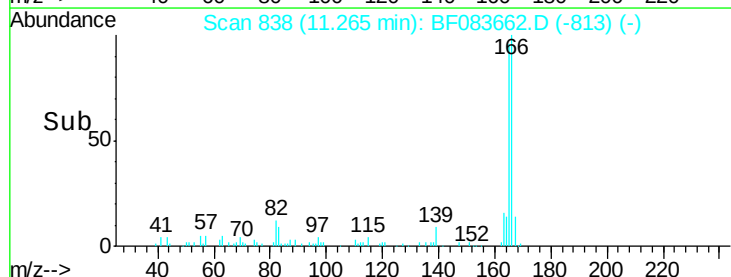
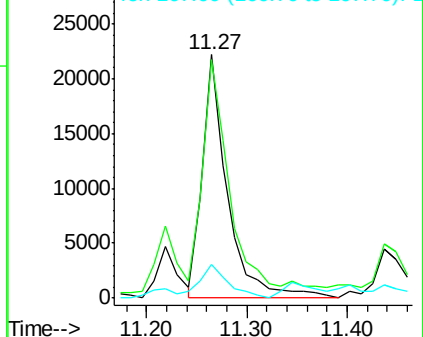
167 13.6 10.6 16.0

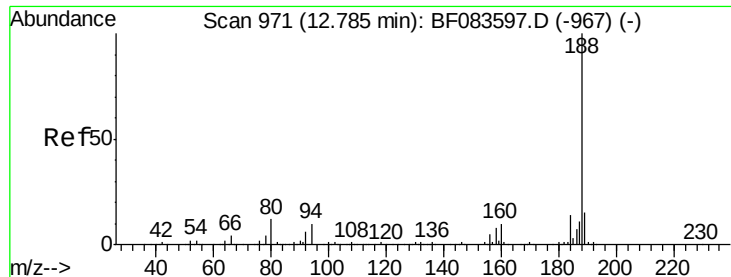


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

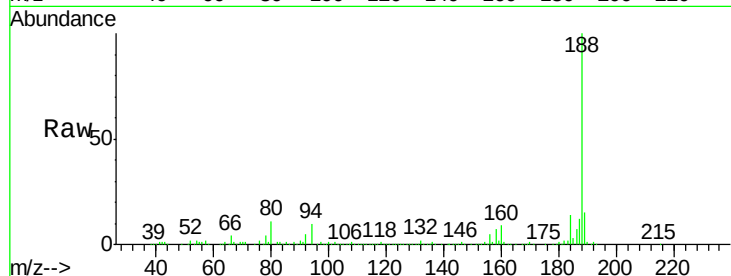




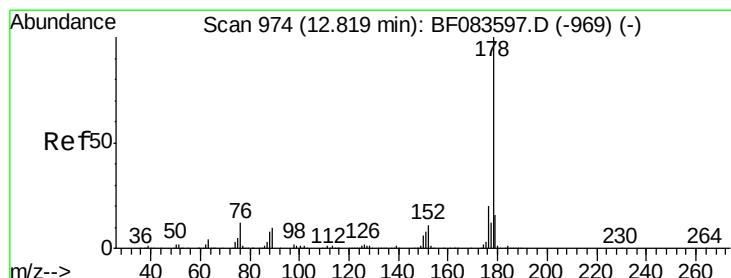
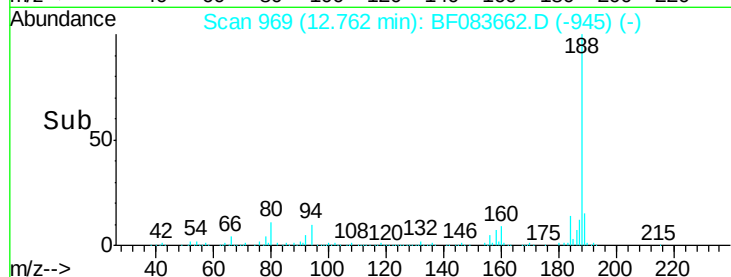
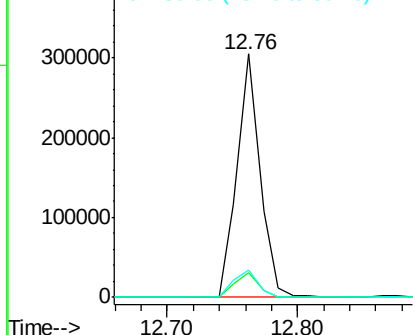
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_M
ClientSampleId :
SB-P3WC-01(0-4)DL

Tgt Ion:188 Resp: 374714
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.4 10.6 16.0

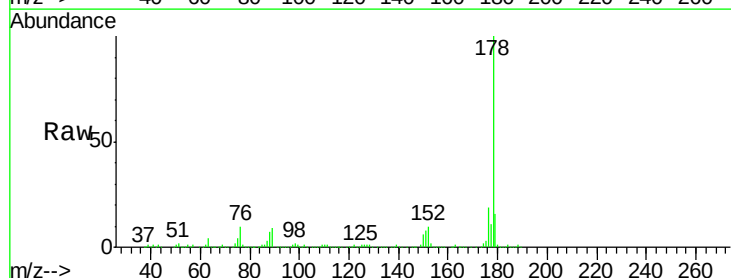


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

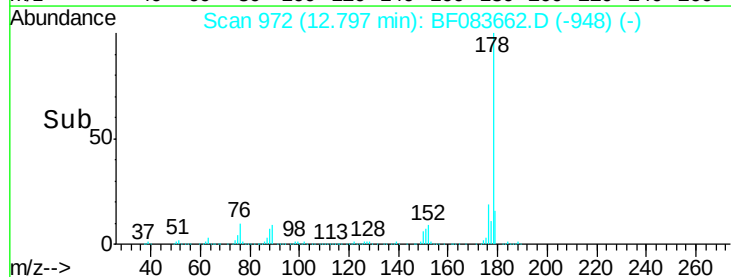
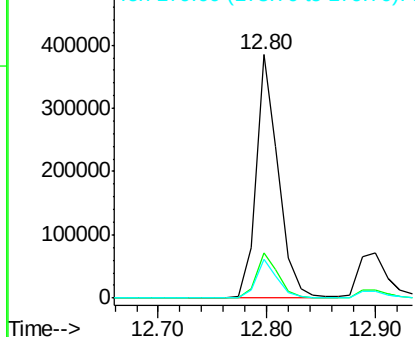


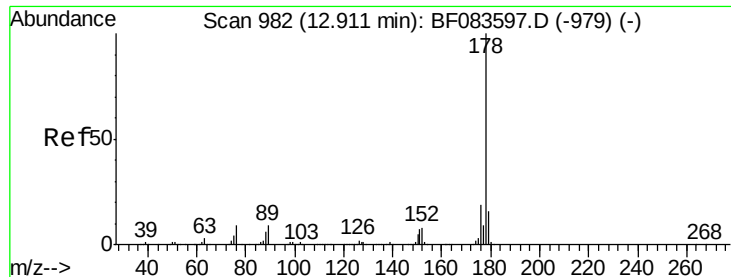
#70
Phenanthrene
Concen: 25.30 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion:178 Resp: 544662
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.7 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





#71

Anthracene

Concen: 5.86 ng

RT: 12.90 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

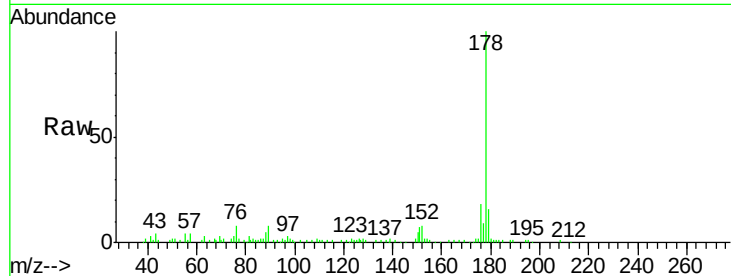
Tgt Ion:178 Resp: 130720

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

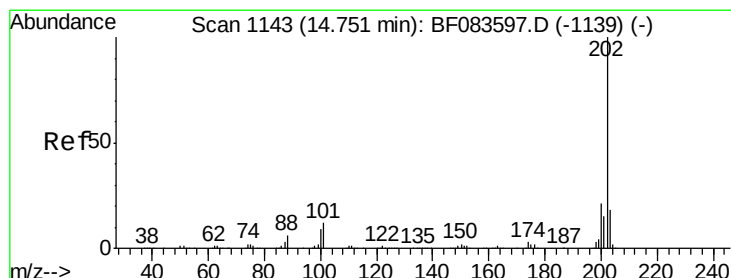
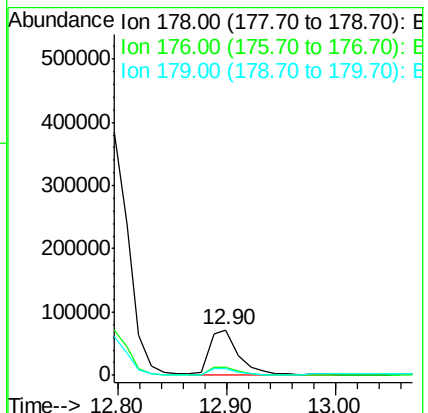
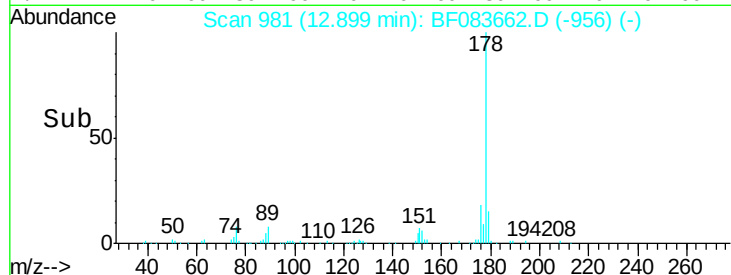
179 15.6 12.6 18.8



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: 33.95 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

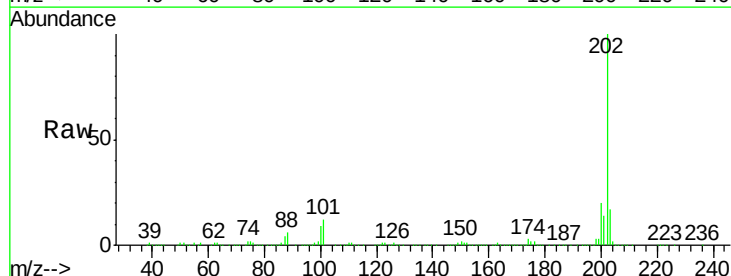
Tgt Ion:202 Resp: 747628

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

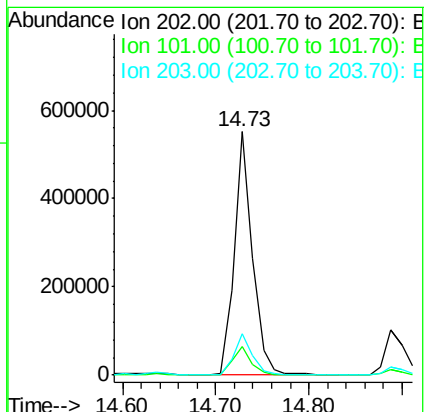
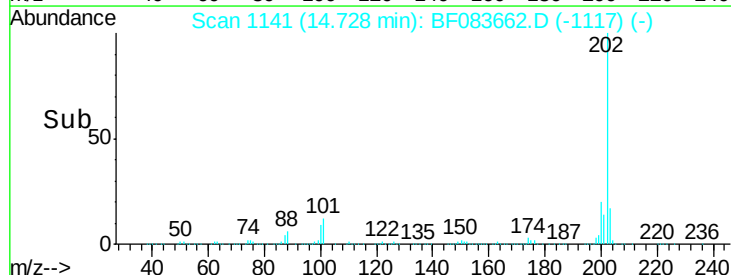
203 17.2 0.0 37.6

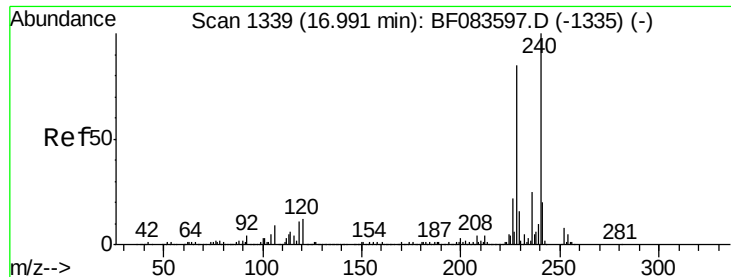


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

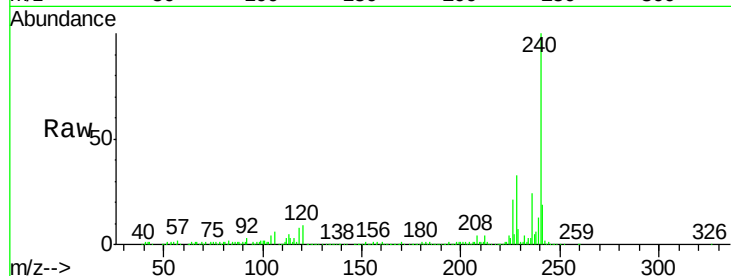
Tgt Ion:240 Resp: 303597

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

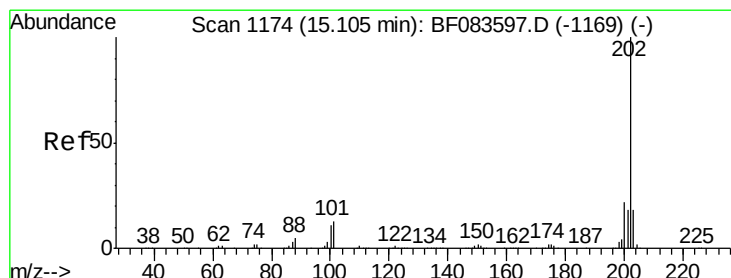
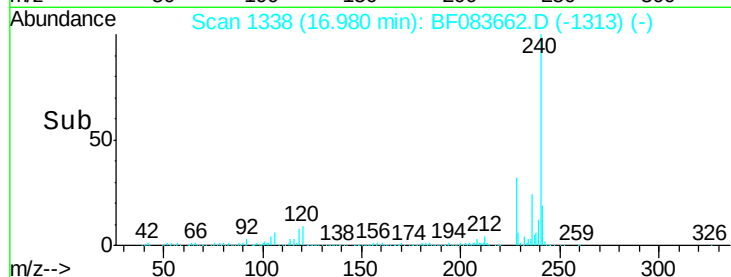
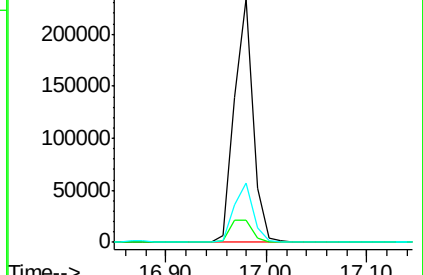
236 24.3 20.8 31.2



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: 50.67 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

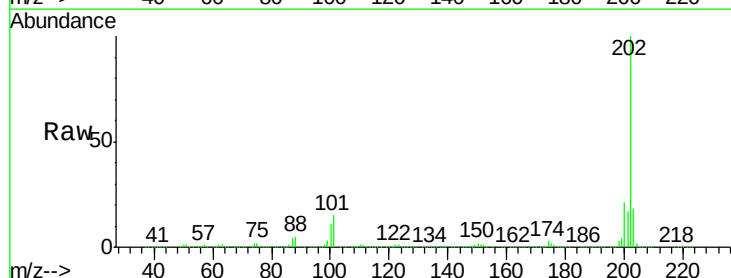
Tgt Ion:202 Resp: 1107524

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

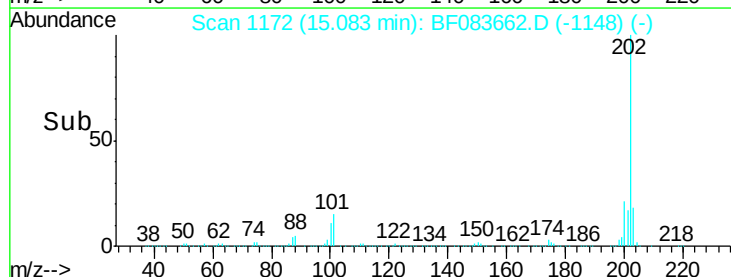
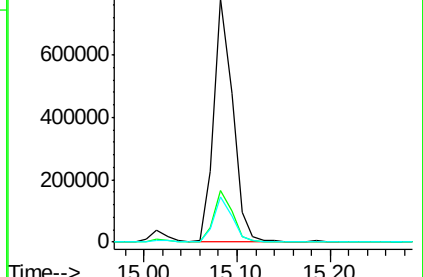
203 18.4 14.3 21.5

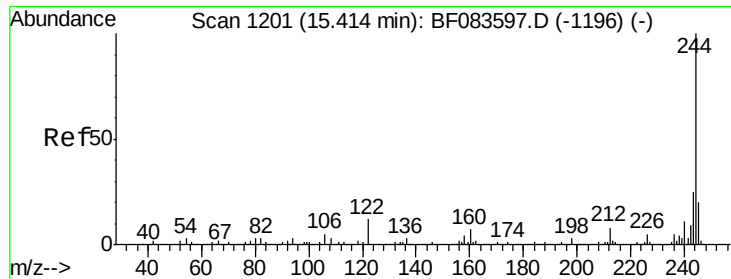


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.82 ng

RT: 15.39 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

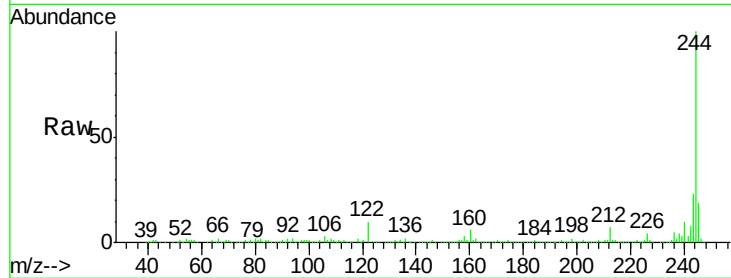
Tgt Ion:244 Resp: 694428

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

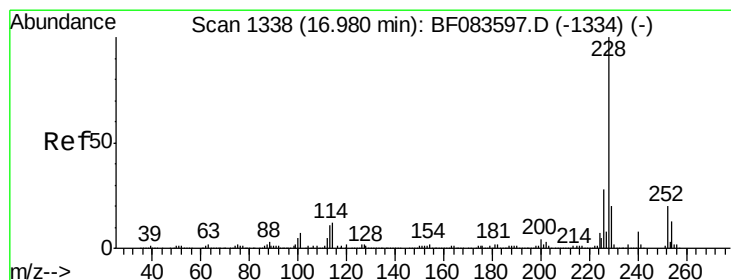
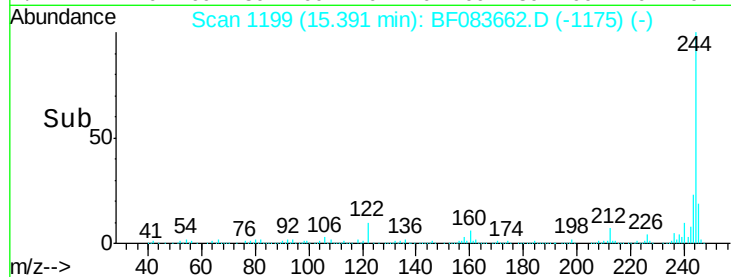
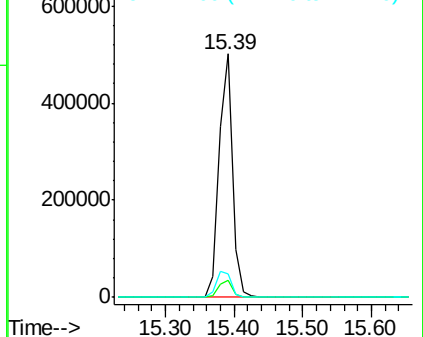
122 9.7 11.0 16.6#



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: 20.64 ng

RT: 17.01 min Scan# 1341

Delta R.T. 0.03 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

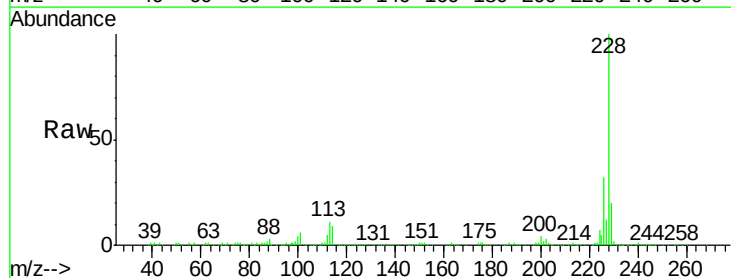
Tgt Ion:228 Resp: 366710

Ion Ratio Lower Upper

228 100

226 32.1 22.3 33.5

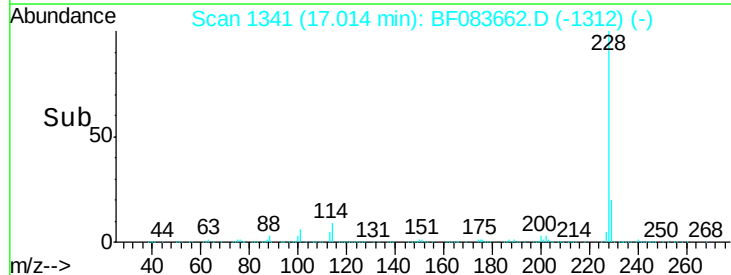
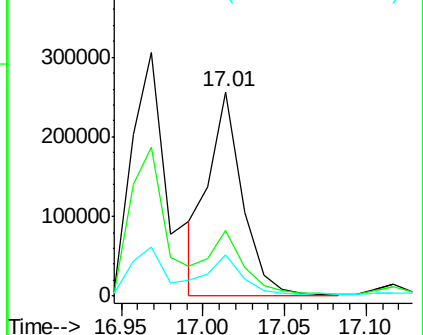
229 20.4 15.7 23.5

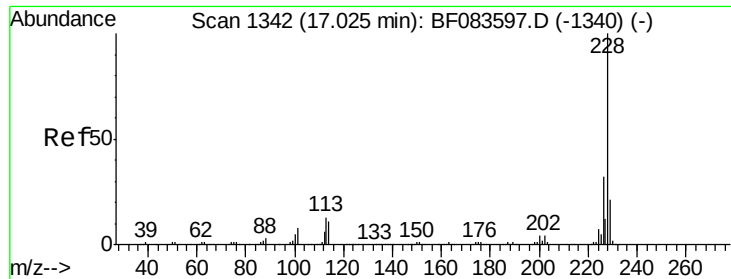


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.63 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

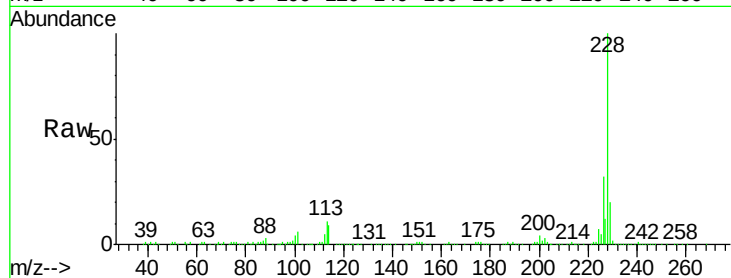
Tgt Ion:228 Resp: 367489

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

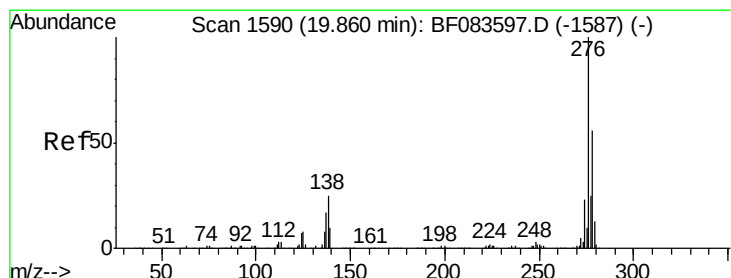
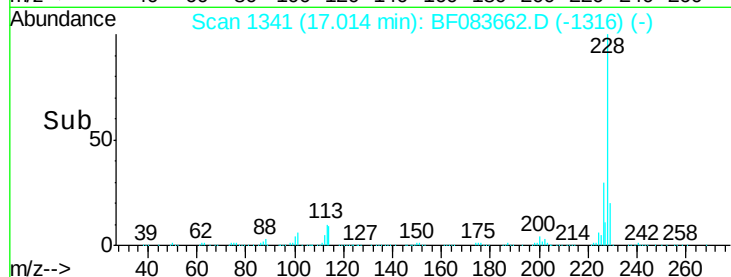
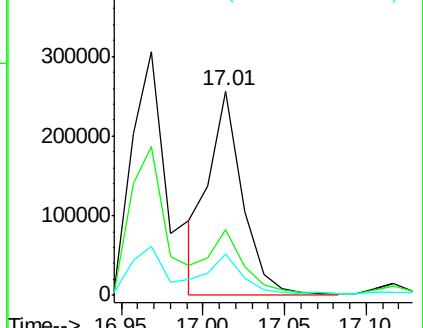
229 20.4 16.3 24.5



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: 25.42 ng

RT: 19.86 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

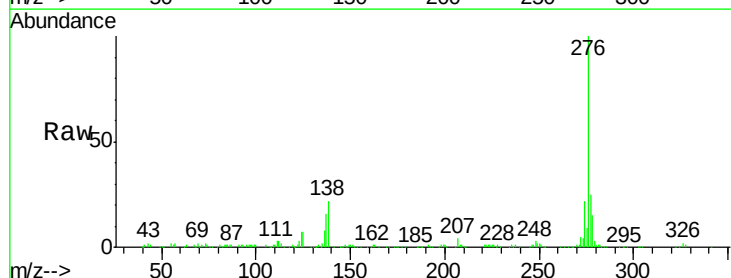
Tgt Ion:276 Resp: 305657

Ion Ratio Lower Upper

276 100

138 19.8 0.0 0.0#

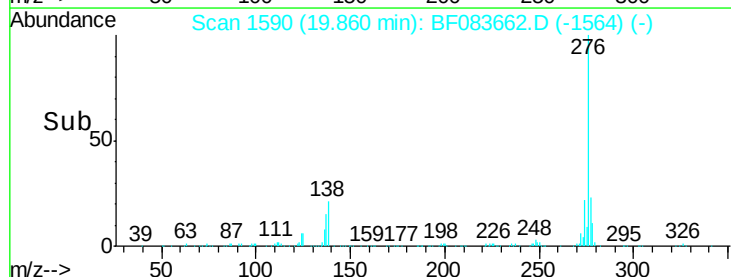
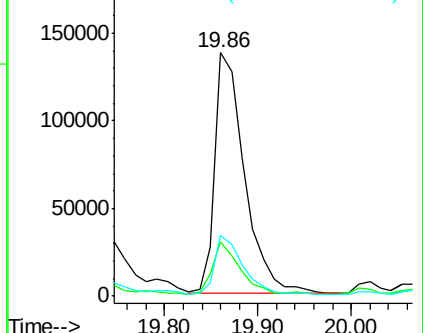
277 23.7 0.0 0.0#

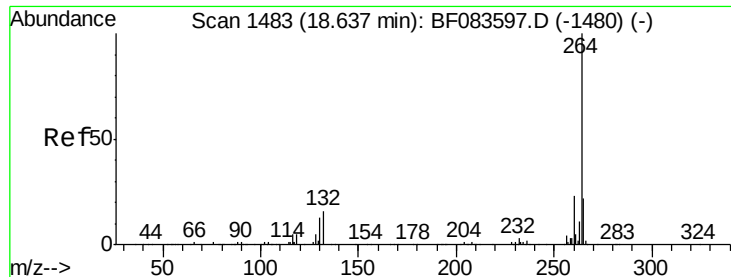


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



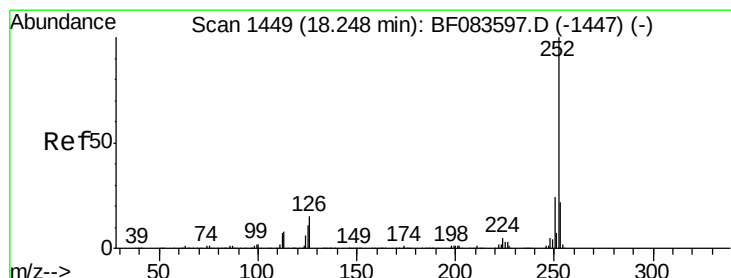
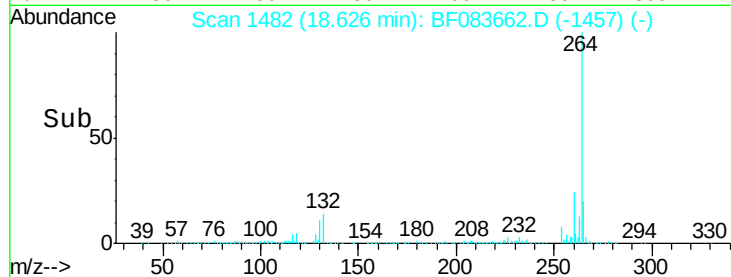
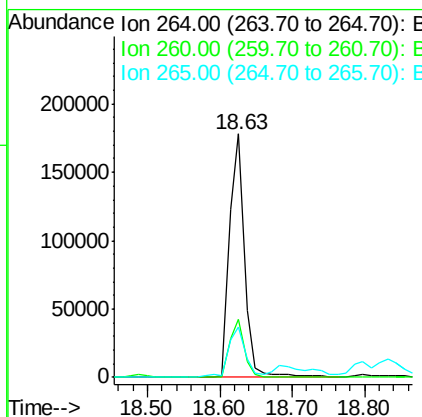
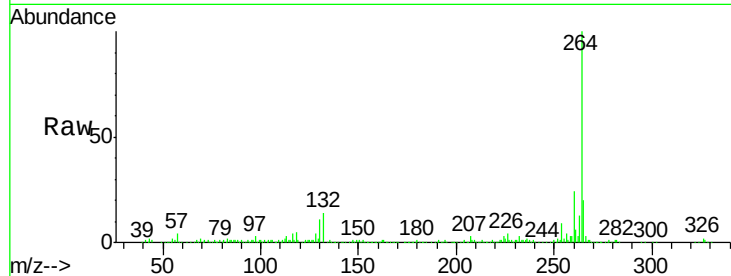


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Instrument :
BNA_M
ClientSampleId :
SB-P3WC-01(0-4)DL

Tgt Ion: 264 Resp: 256757

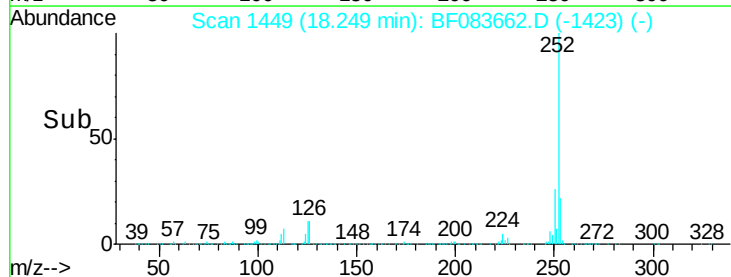
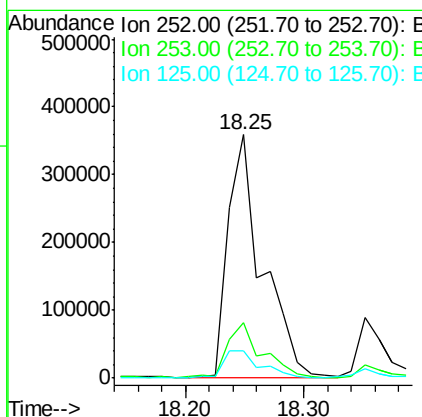
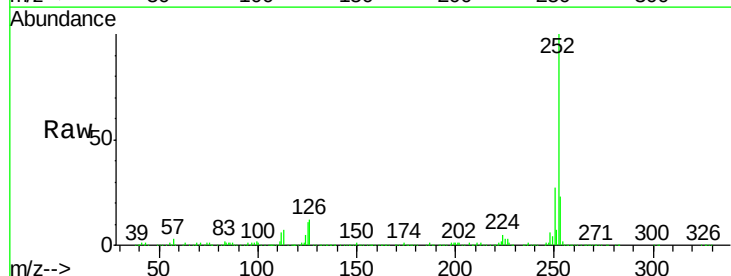
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	20.5	17.8	26.6

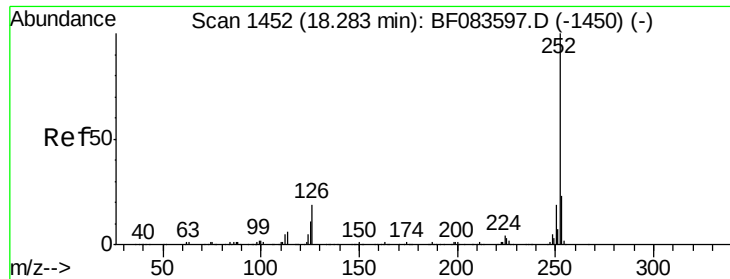


#87
Benzo(b)fluoranthene
Concen: 48.64 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083662.D
Acq: 10 Dec 2015 3:15

Tgt Ion: 252 Resp: 711198

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.2	8.2	12.4





#88

Benzo(k)fluoranthene

Concen: 8.24 ng

RT: 18.35 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

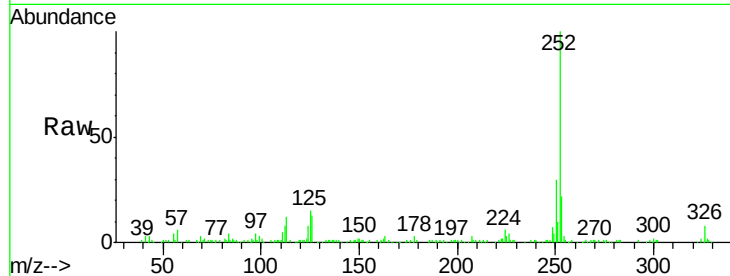
Tgt Ion:252 Resp: 132829

Ion Ratio Lower Upper

252 100

253 21.6 18.6 27.8

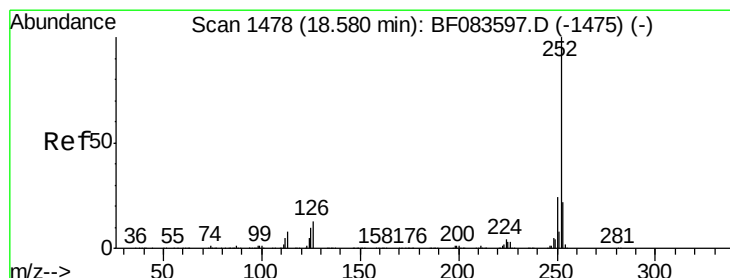
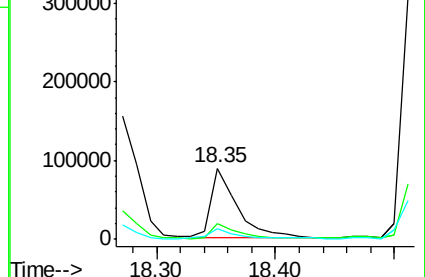
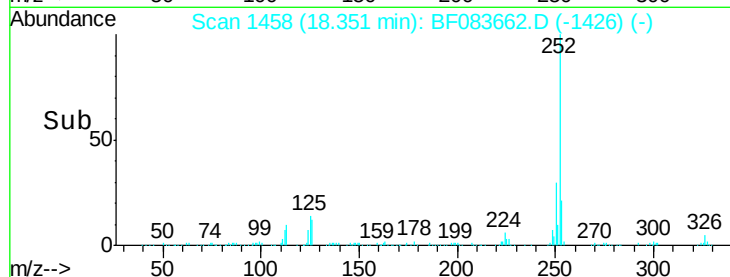
125 14.6 11.5 17.3



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: 35.83 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

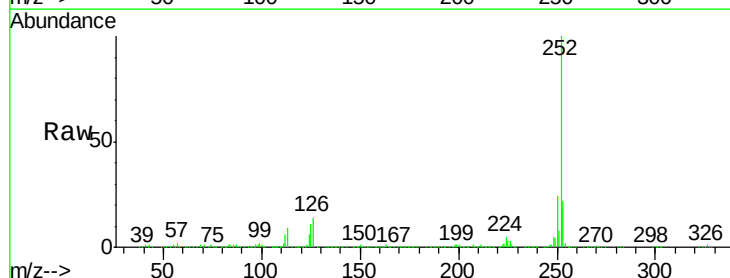
Tgt Ion:252 Resp: 511181

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

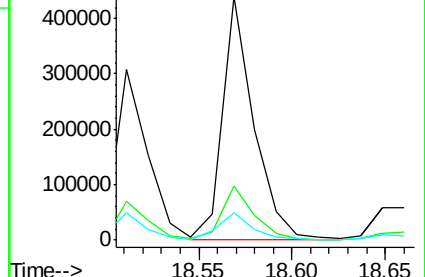
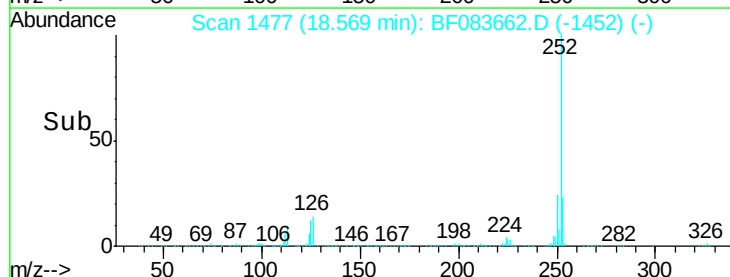
125 11.1 11.0 16.6

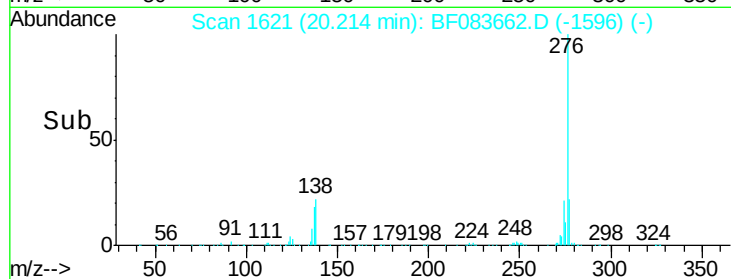
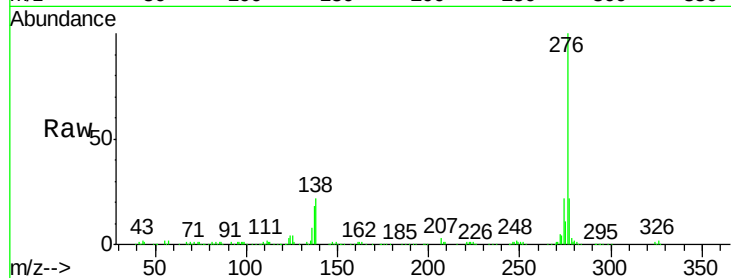
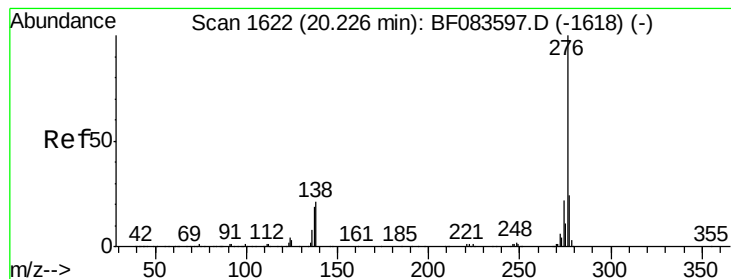


Abundance Ion 252.00 (251.70 to 252.70): E

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: 34.16 ng

RT: 20.21 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BF083662.D

Acq: 10 Dec 2015 3:15

Instrument :

BNA_M

ClientSampleId :

SB-P3WC-01(0-4)DL

Tgt Ion: 276 Resp: 363320

Ion Ratio Lower Upper

276 100

277 22.3 19.2 28.8

138 22.1 19.5 29.3

