

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083428.D
 Acq On : 2 Dec 2015 20:17
 Operator : UM/IZ
 Sample : G4584-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 03 02:50:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	635961	20.00	ng	0.15
21) Naphthalene-d8	7.82	136	619153	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	310752	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	537773	20.00	ng	-0.02
75) Chrysene-d12	14.74	240	374384	20.00	ng	-0.02
86) Perylene-d12	16.80	264	344629	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1625498	38.35	ng	0.01
7) Phenol-d6	6.21	99	2039766	35.16	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1451694	103.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	393999	126.30	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1939630	88.95	ng	-0.01
78) Terphenyl-d14	13.21	244	1725043	109.89	ng	-0.01

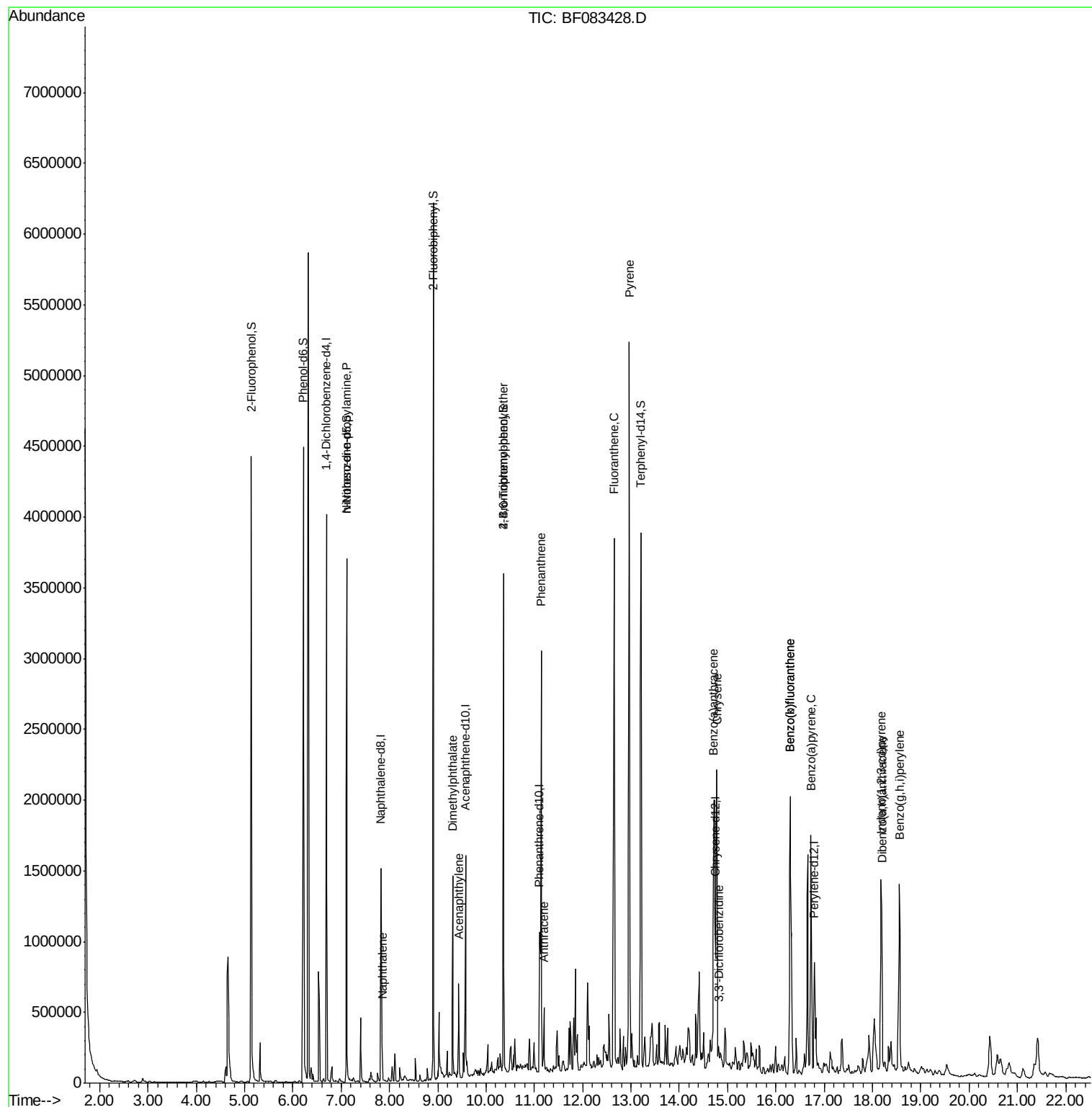
Target Compounds				Qvalue			
9) Benzaldehyde	6.21	77	3970	Below Cal	#	14	
19) n-Nitroso-di-n-propylamine	7.12	70	199812	4.82 ng	#	79	
31) Naphthalene	7.85	128	109674	3.26 ng		97	
48) Acenaphthylene	9.44	152	343882	10.38 ng		96	
49) Dimethylphthalate	9.31	163	470430	18.63 ng		99	
66) 4-Bromophenyl-phenylether	10.36	248	26406	4.49 ng	#	1	
70) Phenanthrene	11.14	178	1189738	37.38 ng		99	
71) Anthracene	11.20	178	195784	6.11 ng		98	
74) Fluoranthene	12.65	202	2541388	77.04 ng		99	
77) Pyrene	12.97	202	3118933	119.29 ng		95	
80) Benzo(a)anthracene	14.72	228	1160644	50.60 ng		95	
81) 3,3'-Dichlorobenzidine	14.82	252	23939	3.34 ng	#	3	
82) Chrysene	14.77	228	1184399	53.45 ng		99	
85) Indeno(1,2,3-cd)pyrene	18.18	276	997005	61.77 ng		94	
87) Benzo(b)fluoranthene	16.29	252	1918834	86.77 ng		99	
88) Benzo(k)fluoranthene	16.29	252	1918834	91.90 ng	#	95	
89) Benzo(a)pyrene	16.73	252	835189	43.97 ng	#	98	
90) Dibenzo(a,h)anthracene	18.19	278	197230	11.92 ng		98	
91) Benzo(g,h,i)perylene	18.56	276	1098915	67.65 ng	#	94	

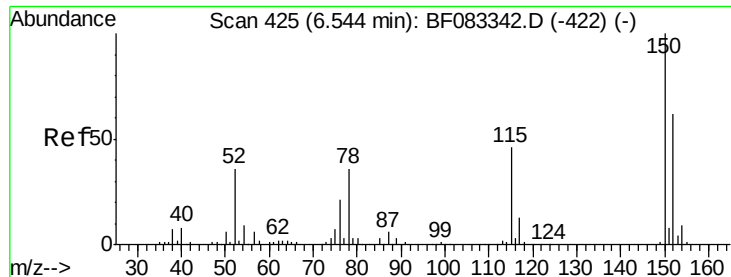
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083428.D
Acq On : 2 Dec 2015 20:17
Operator : UM/IZ
Sample : G4584-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 03 02:50:36 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration

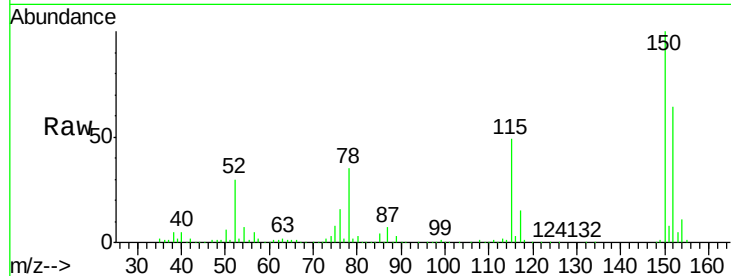




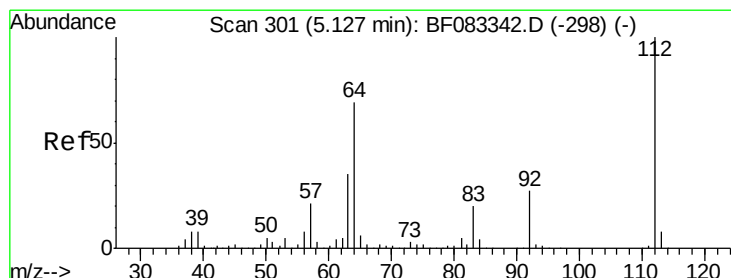
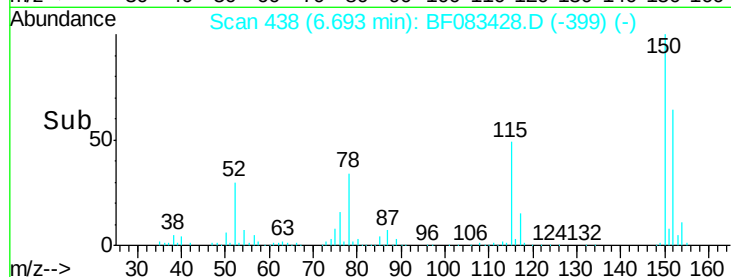
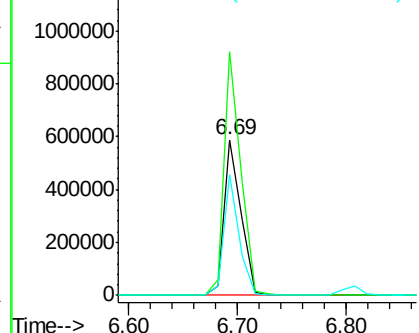
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.69 min Scan# 438
 Delta R.T. 0.15 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

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

Tgt Ion:152 Resp: 635961
 Ion Ratio Lower Upper
 152 100
 150 156.2 129.8 194.8
 115 77.3 59.2 88.8

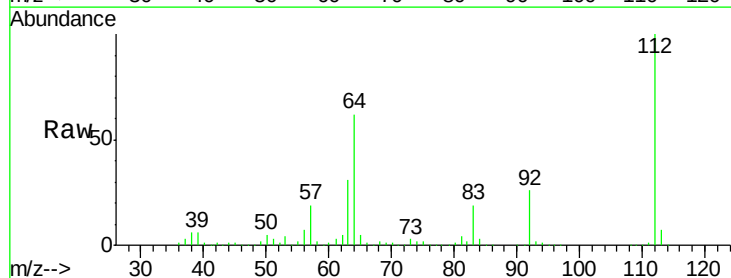


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

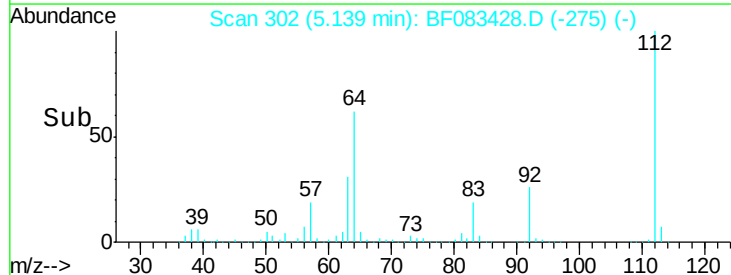
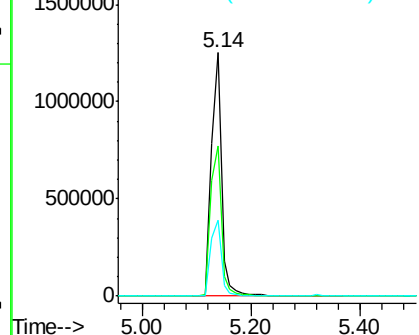


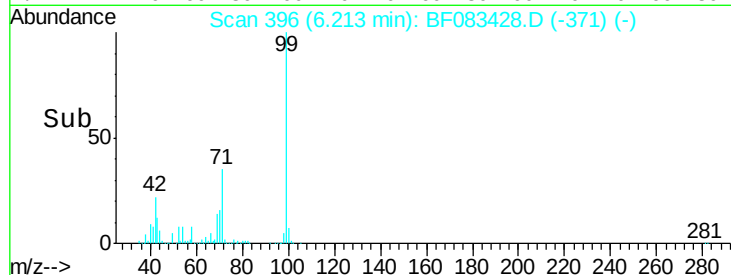
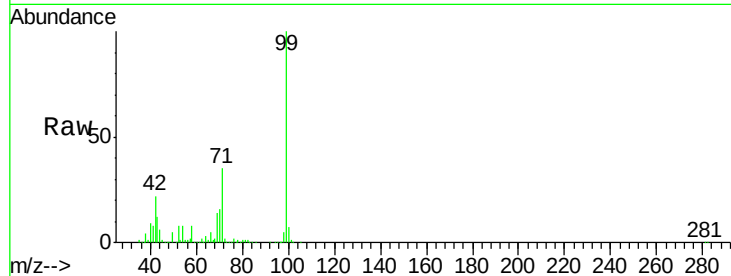
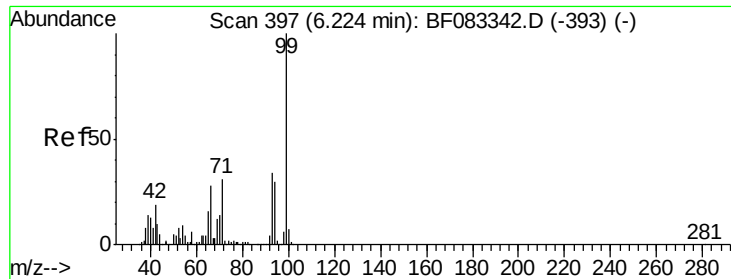
#5
 2-Fluorophenol
 Concen: 38.35 ng
 RT: 5.14 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

Tgt Ion:112 Resp: 1625498
 Ion Ratio Lower Upper
 112 100
 64 61.8 55.6 83.4
 63 31.1 28.2 42.2



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: 35.16 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

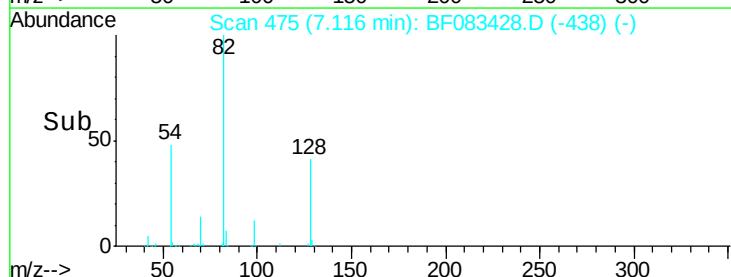
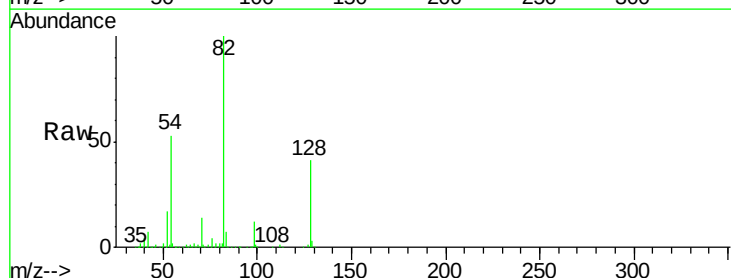
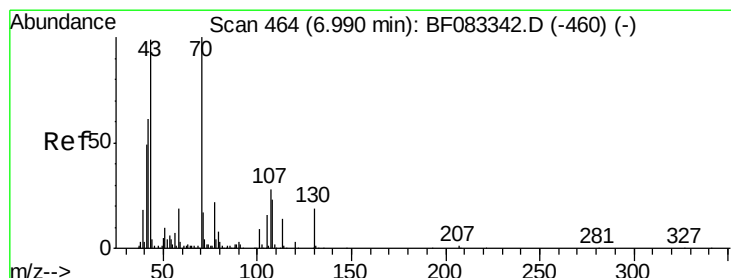
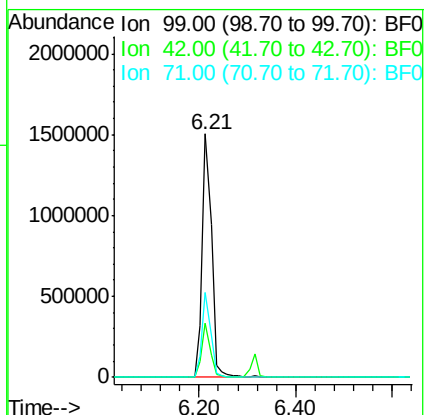
Tgt Ion: 99 Resp: 2039766

Ion Ratio Lower Upper

99 100

42 22.5 14.9 22.3#

71 34.9 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 4.82 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Tgt Ion: 70 Resp: 199812

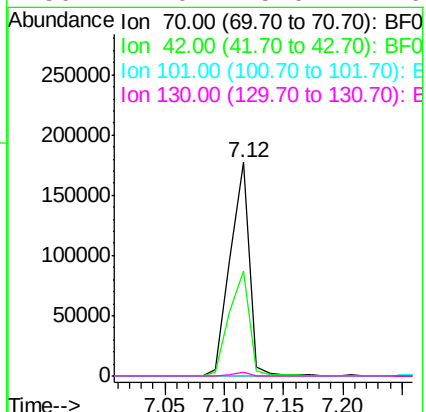
Ion Ratio Lower Upper

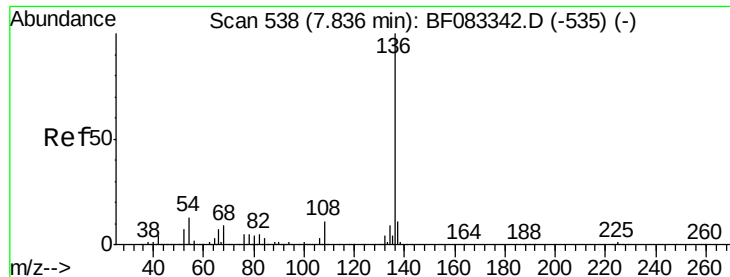
70 100

42 49.1 48.8 73.2

101 0.0 7.1 10.7#

130 2.0 15.0 22.6#

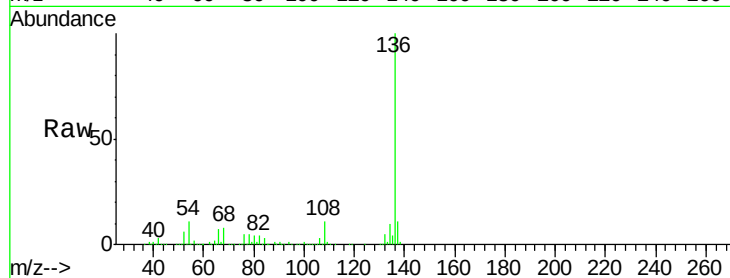




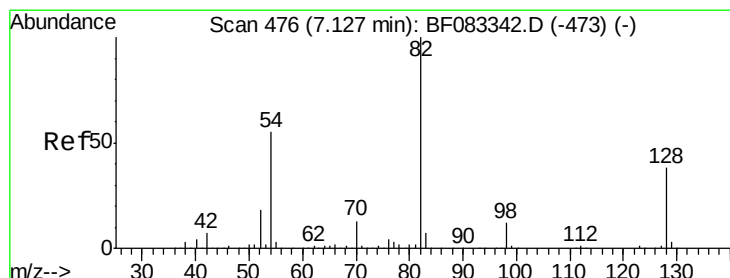
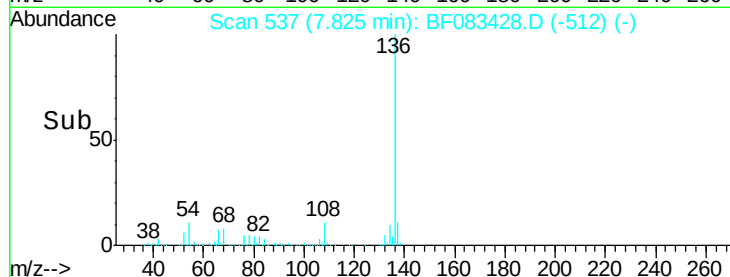
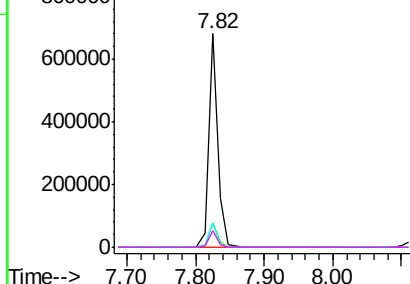
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

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

Tgt Ion:	136	Resp:	619153
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	11.3	10.1	15.1
68	7.8	7.1	10.7

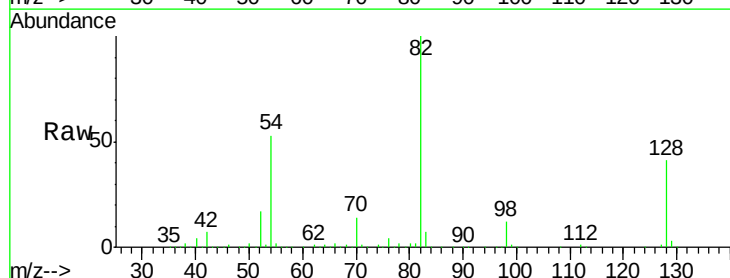


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

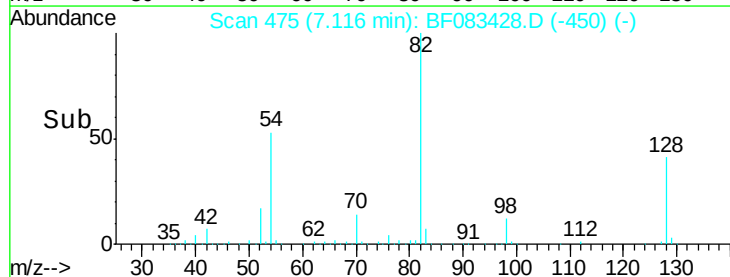
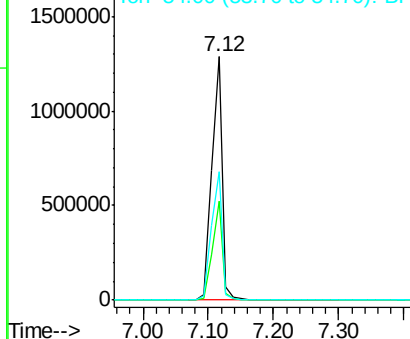


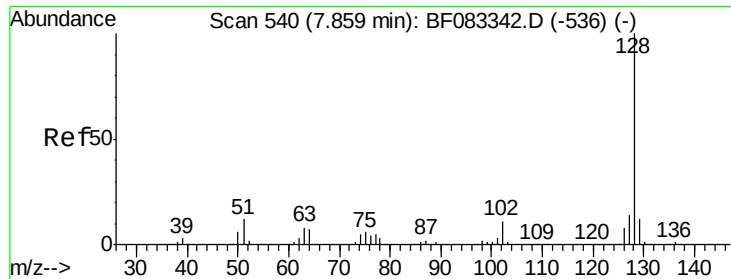
#23
Nitrobenzene-d5
Concen: 103.07 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion:	82	Resp:	1451694
Ion	Ratio	Lower	Upper
82	100		
128	40.7	30.6	46.0
54	53.0	43.8	65.6



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

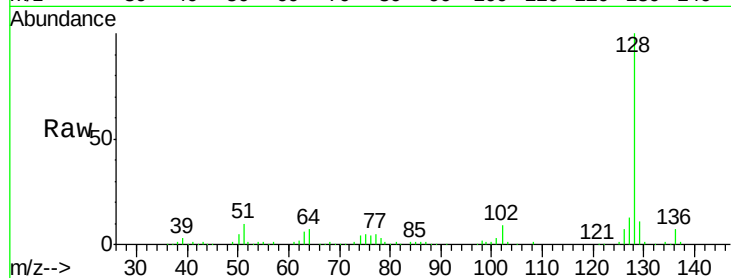




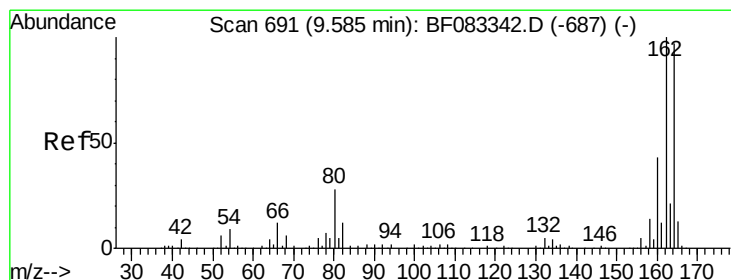
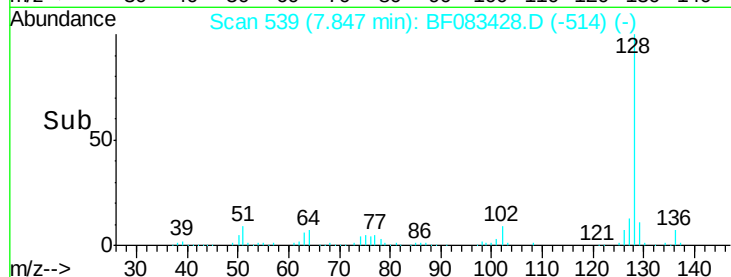
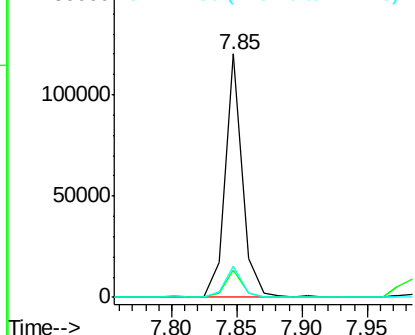
#31
Naphthalene
Concen: 3.26 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

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

Tgt Ion:128 Resp: 109674
Ion Ratio Lower Upper
128 100
129 11.2 9.7 14.5
127 12.5 11.0 16.4

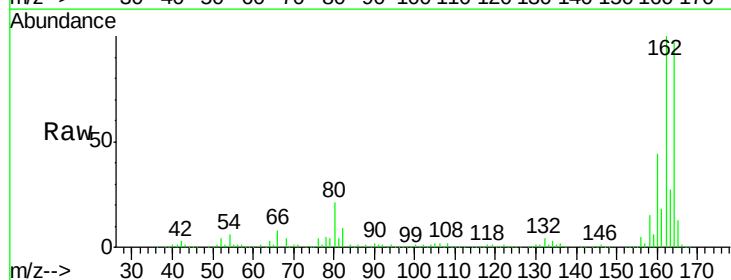


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

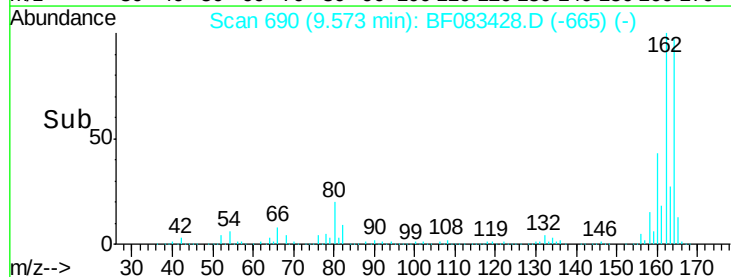
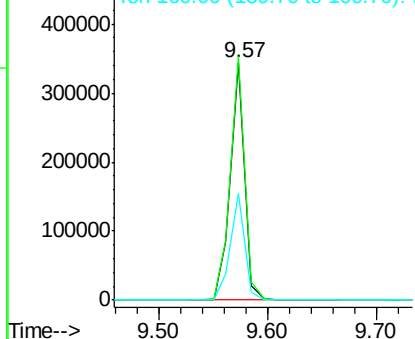


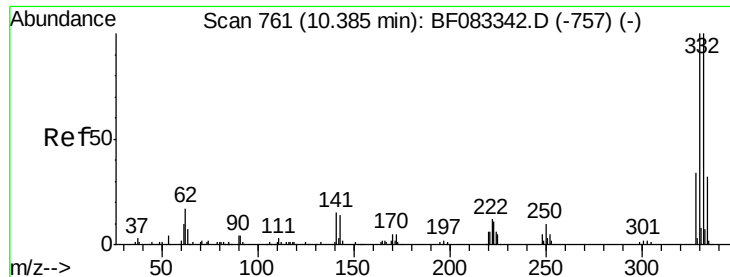
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion:164 Resp: 310752
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 44.7 35.3 52.9



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

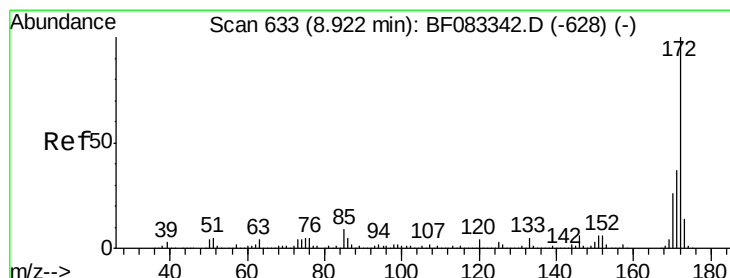
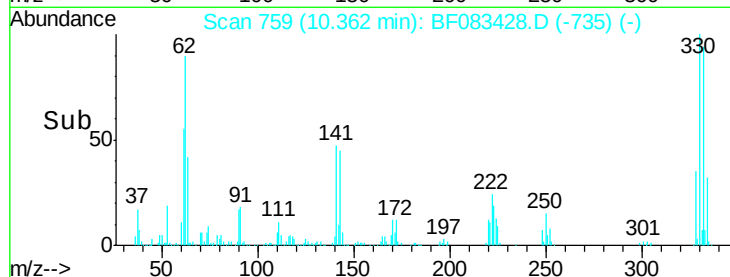
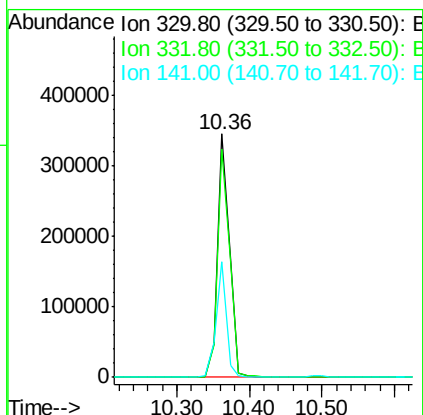
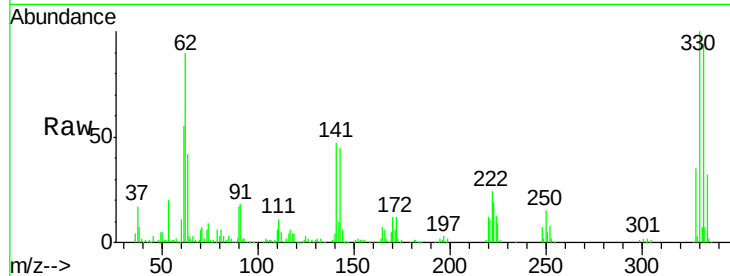




#41
 2,4,6-Tribromophenol
 Concen: 126.30 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

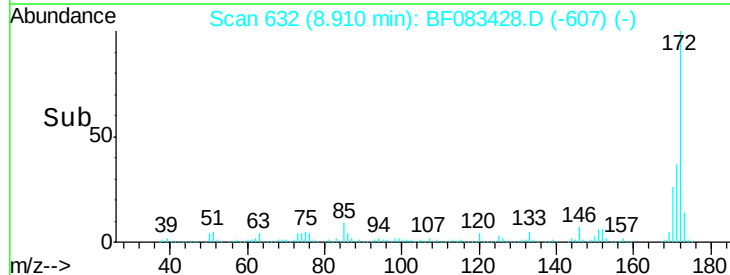
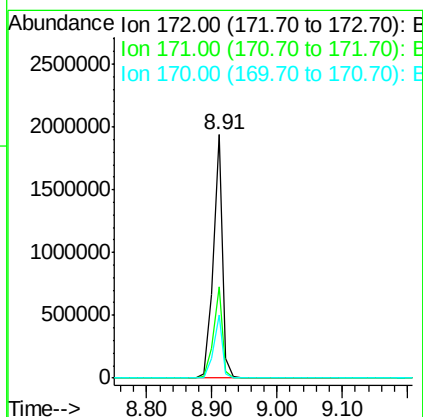
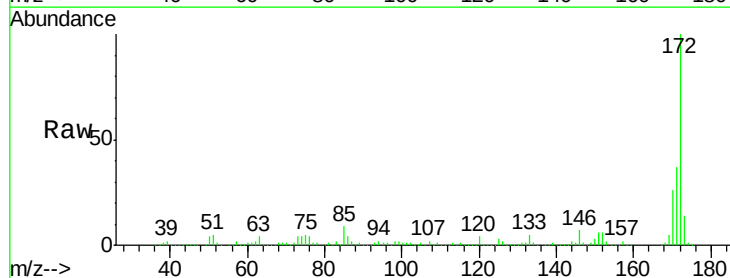
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)

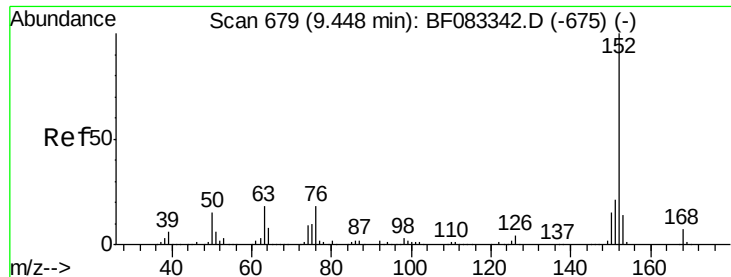
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.8	116.6
141	41.1	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 88.95 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083428.D
 Acq: 2 Dec 2015 20:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	25.8	20.4	30.6





#48

Acenaphthylene

Concen: 10.38 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

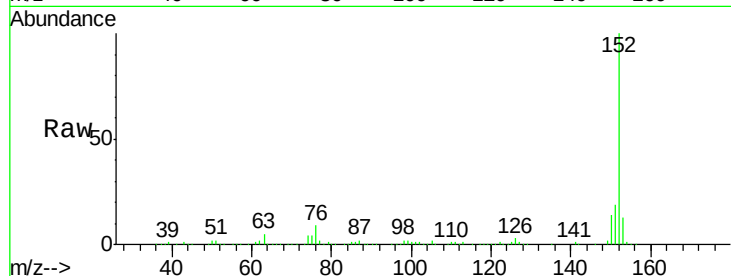
Tgt Ion:152 Resp: 343882

Ion Ratio Lower Upper

152 100

151 18.9 16.7 25.1

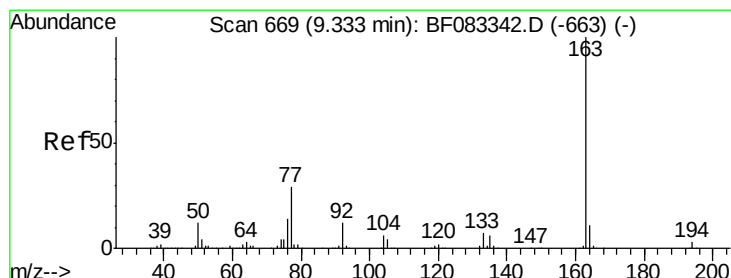
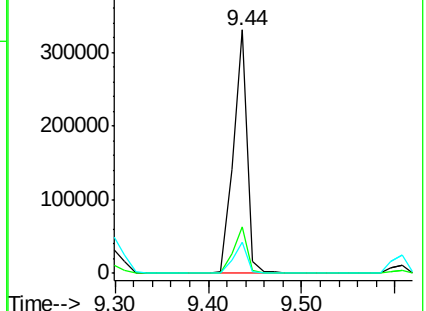
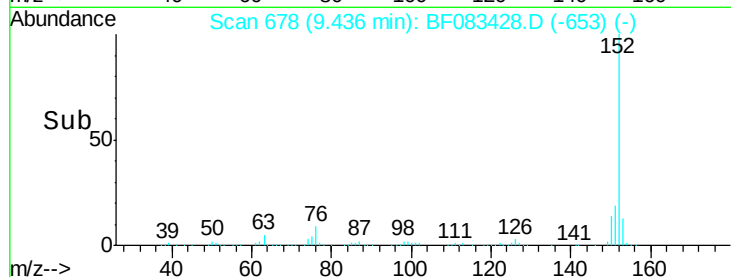
153 12.6 11.2 16.8



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: 18.63 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

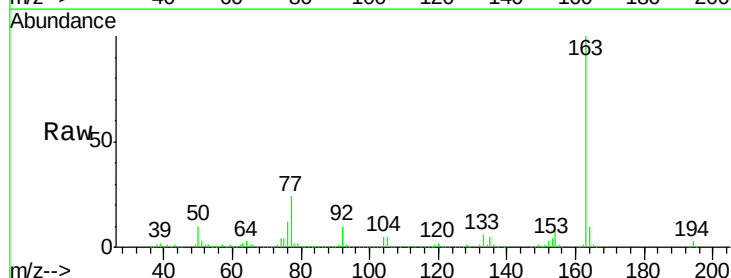
Tgt Ion:163 Resp: 470430

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

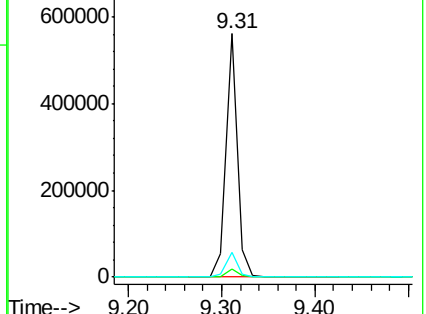
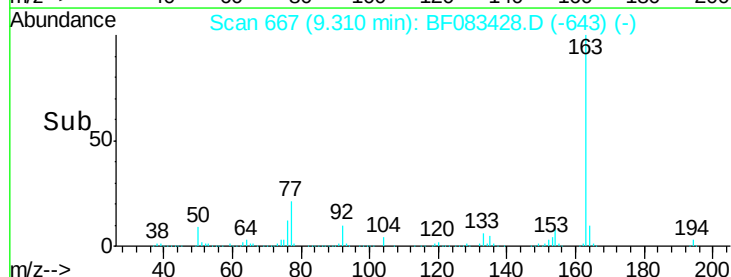
164 10.4 8.8 13.2

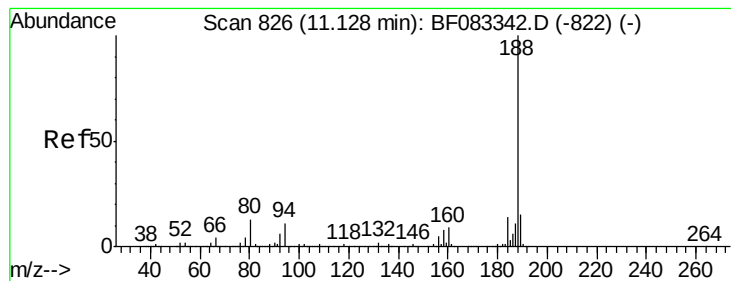


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.10 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

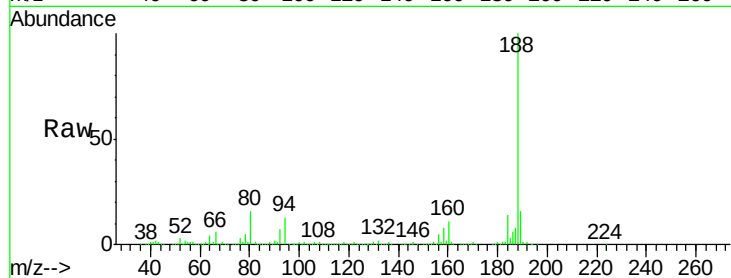
Tgt Ion:188 Resp: 537773

Ion Ratio Lower Upper

188 100

94 13.5 8.7 13.1#

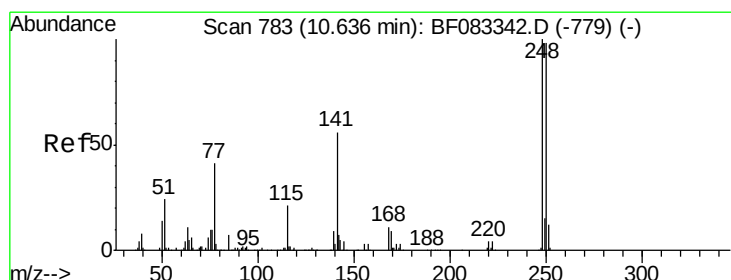
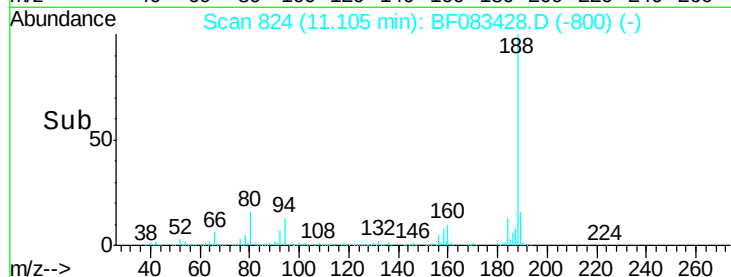
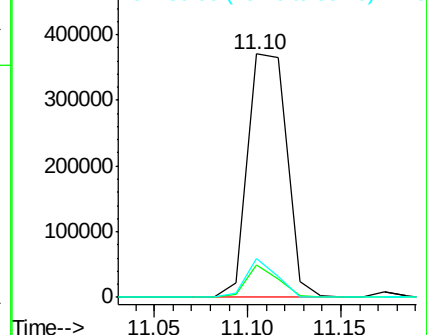
80 16.2 10.3 15.5#



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



#66

4-Bromophenyl-phenylether

Concen: 4.49 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.27 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

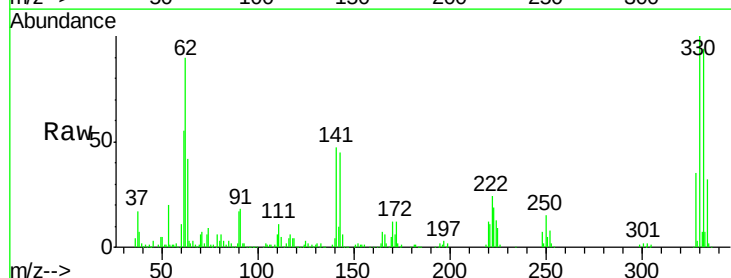
Tgt Ion:248 Resp: 26406

Ion Ratio Lower Upper

248 100

250 207.2 78.6 118.0#

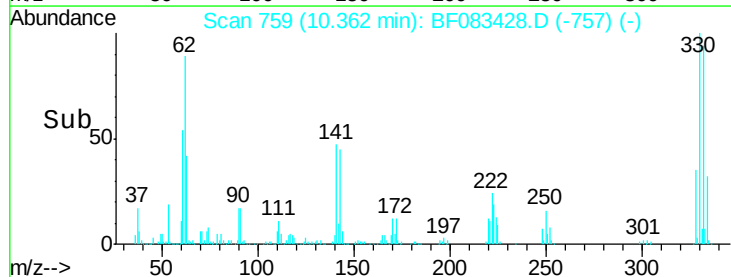
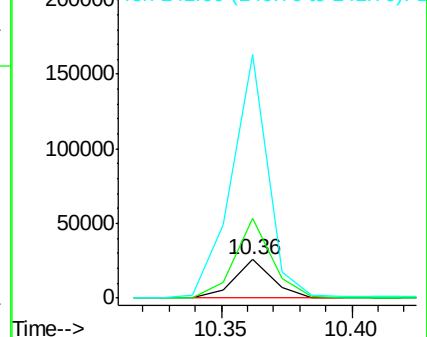
141 632.8 44.4 66.6#

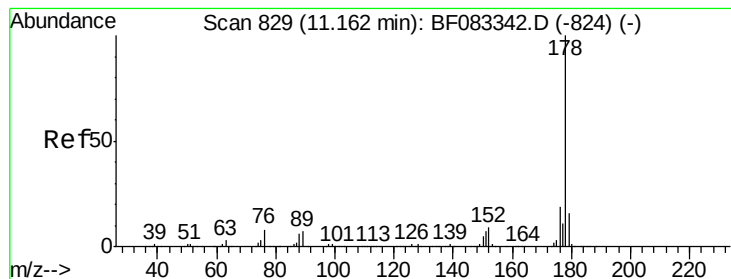


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 37.38 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

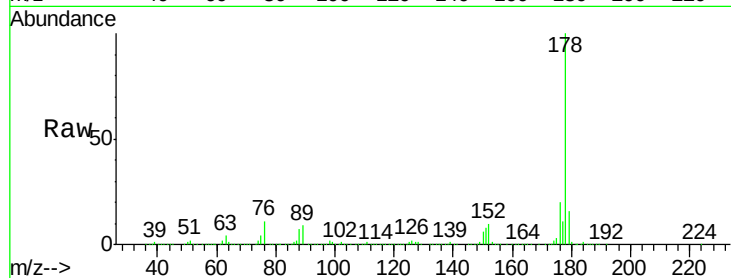
Tgt Ion:178 Resp: 1189738

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

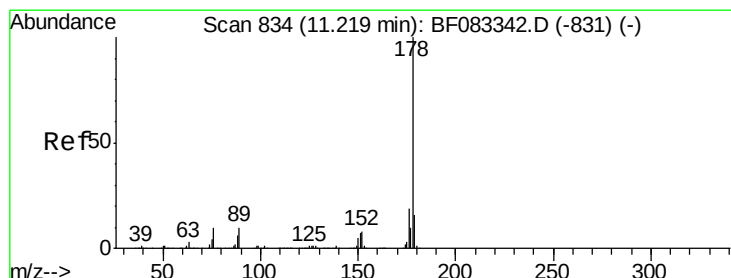
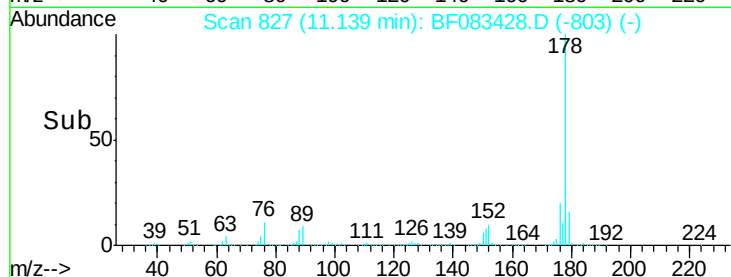
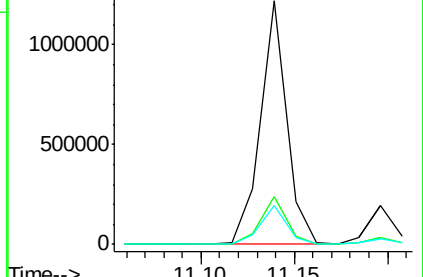
179 15.9 12.4 18.6



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: 6.11 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

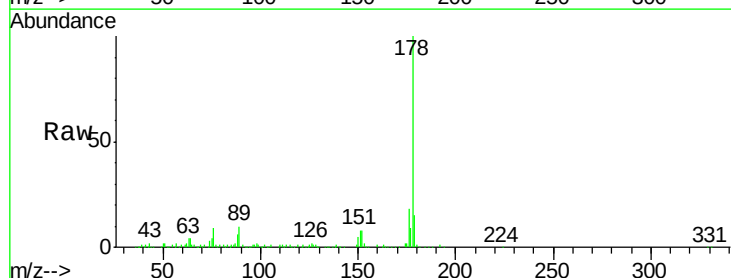
Tgt Ion:178 Resp: 195784

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

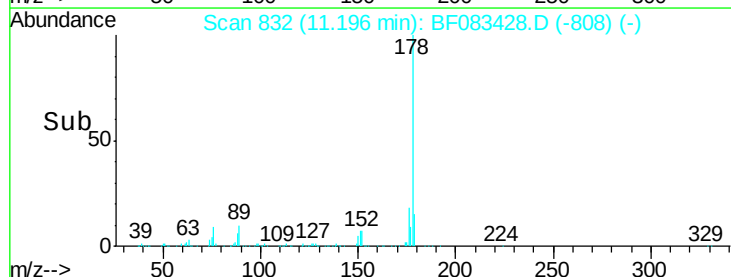
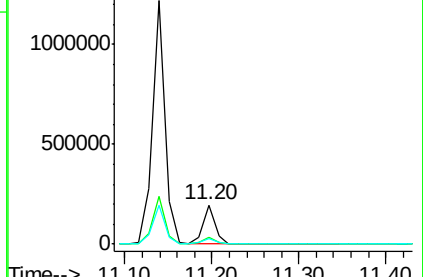
179 15.5 12.8 19.2

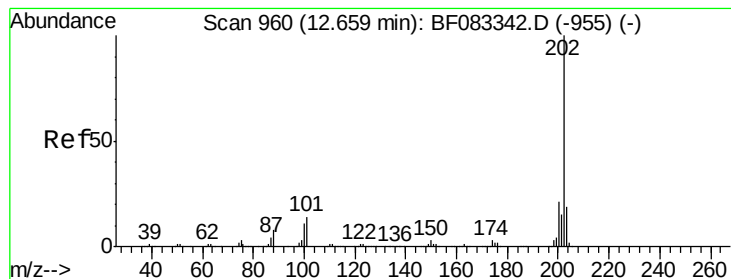


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 77.04 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

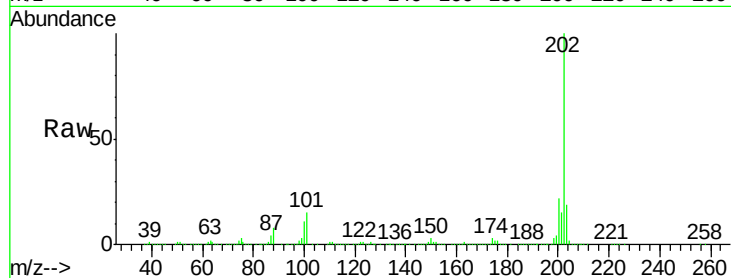
Tgt Ion:202 Resp: 2541388

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.5

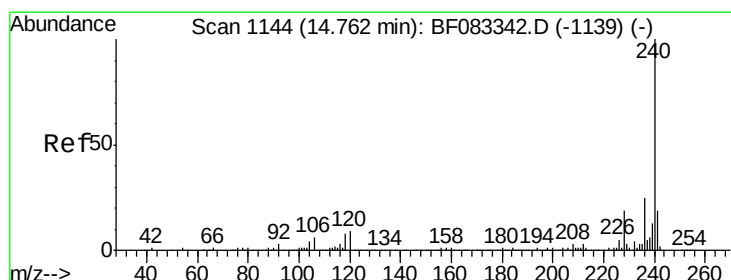
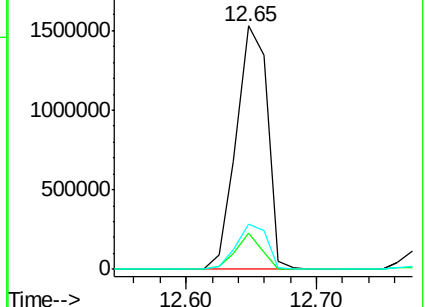
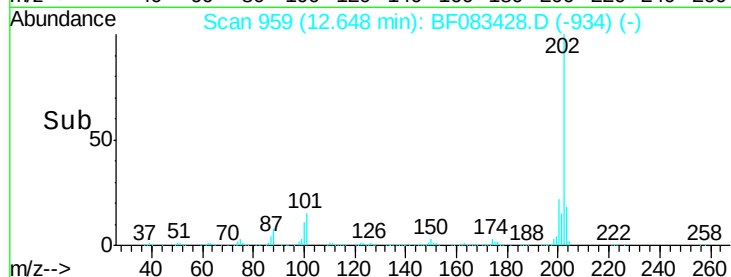
203 18.5 0.0 38.7



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: 14.74 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

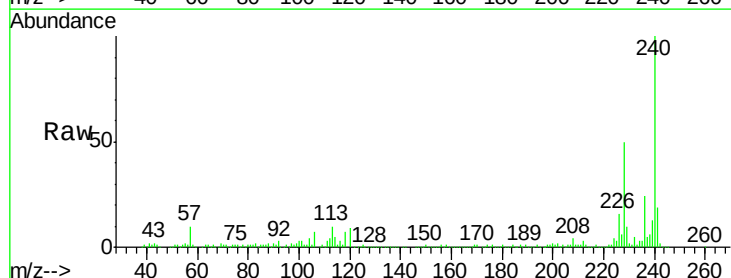
Tgt Ion:240 Resp: 374384

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

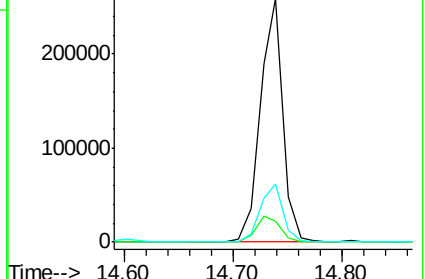
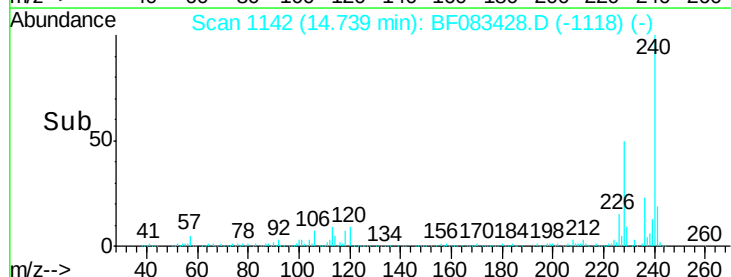
236 24.1 19.8 29.6

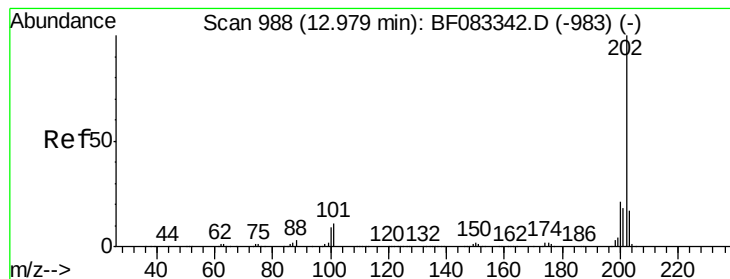


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 119.29 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

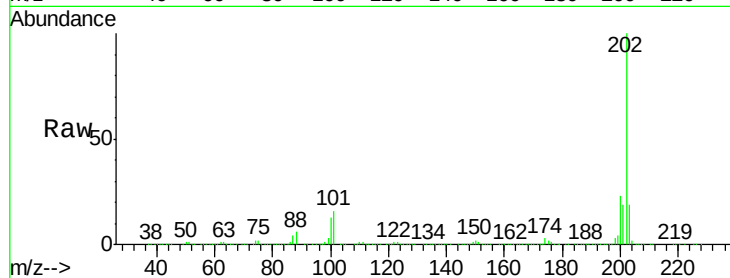
Tgt Ion:202 Resp: 3118933

Ion Ratio Lower Upper

202 100

200 23.4 16.9 25.3

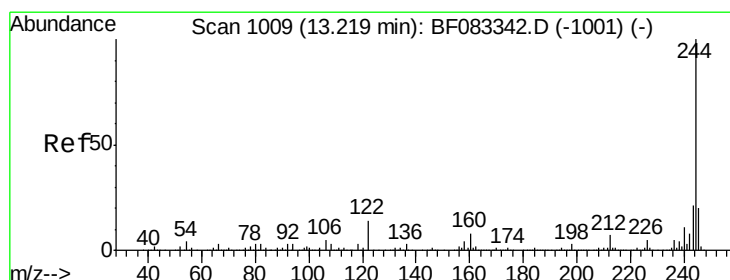
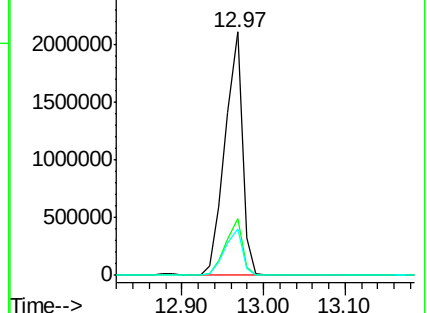
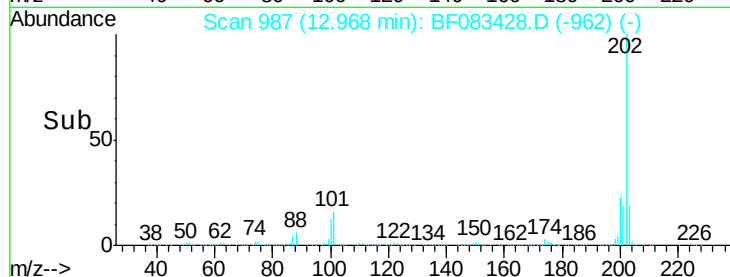
203 19.2 13.9 20.9



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: 109.89 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

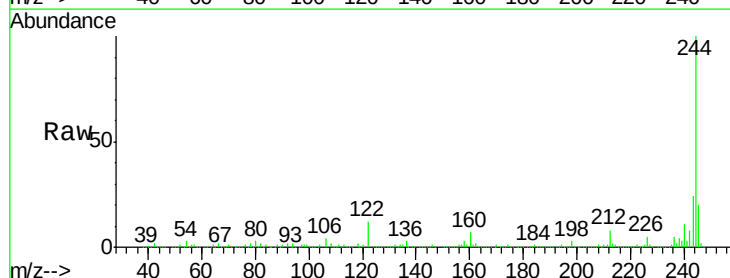
Tgt Ion:244 Resp: 1725043

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

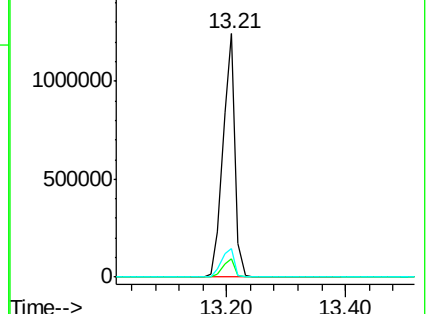
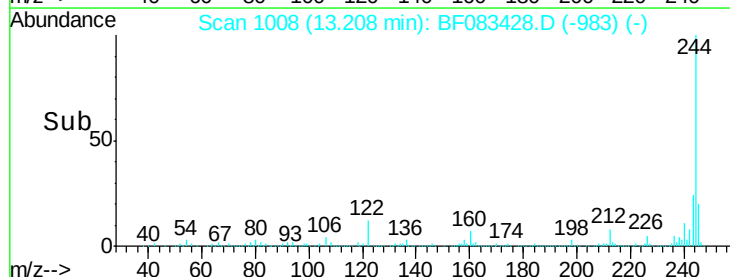
122 11.5 11.0 16.4

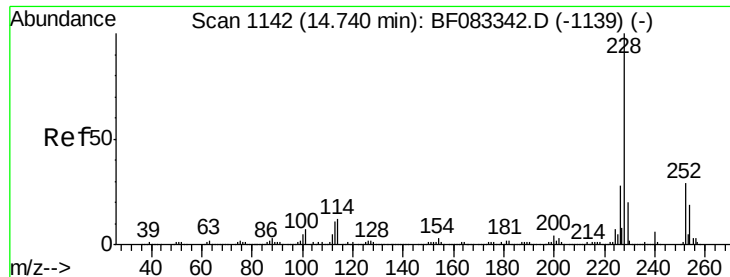


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 50.60 ng

RT: 14.72 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

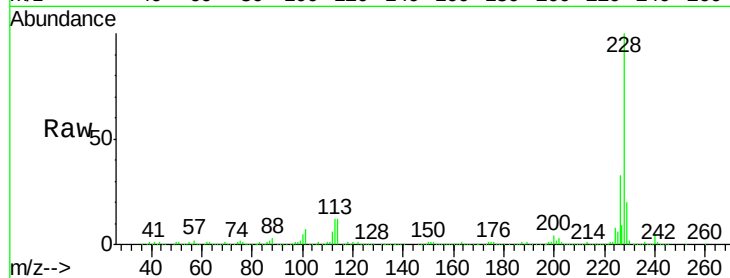
Tgt Ion:228 Resp: 1160644

Ion Ratio Lower Upper

228 100

226 32.5 22.2 33.4

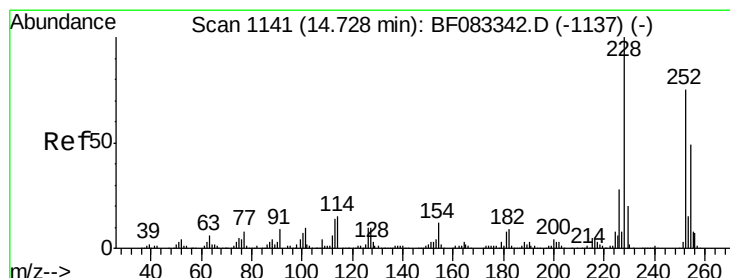
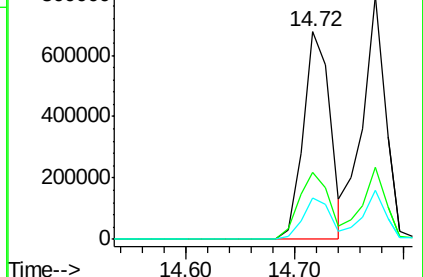
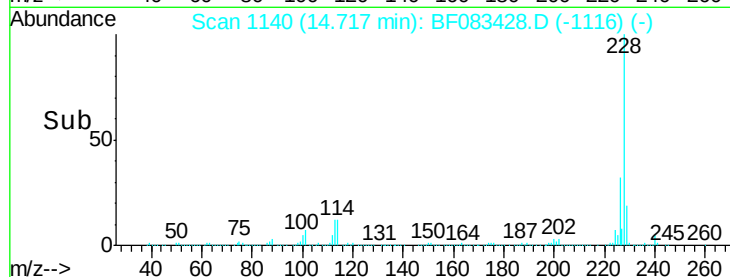
229 19.9 16.1 24.1



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



#81

3,3'-Dichlorobenzidine

Concen: 3.34 ng

RT: 14.82 min Scan# 1149

Delta R.T. 0.09 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

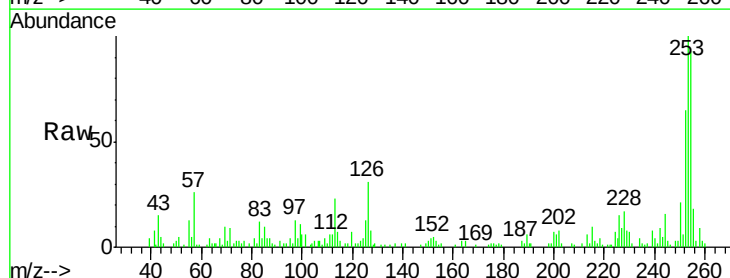
Tgt Ion:252 Resp: 23939

Ion Ratio Lower Upper

252 100

254 143.5 52.0 78.0#

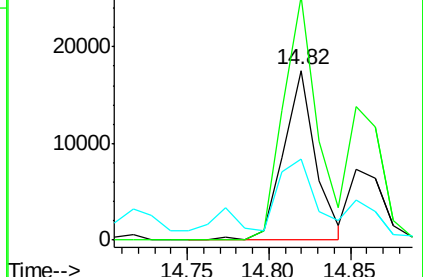
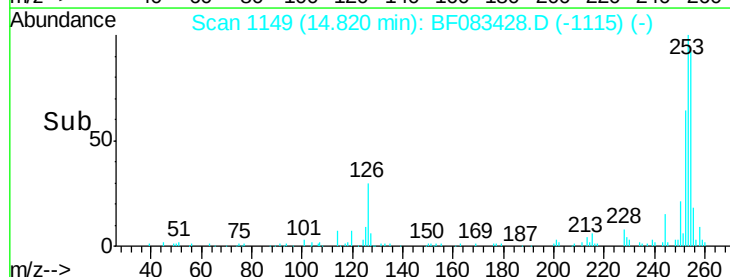
126 48.0 10.7 16.1#

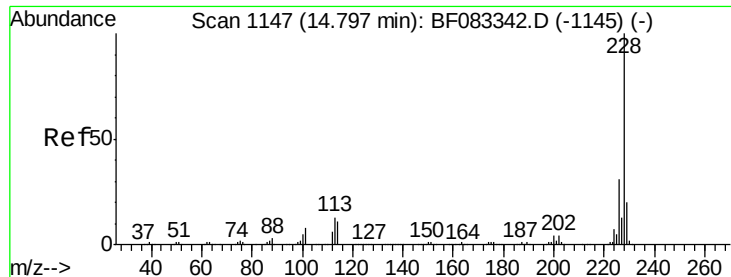


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 53.45 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

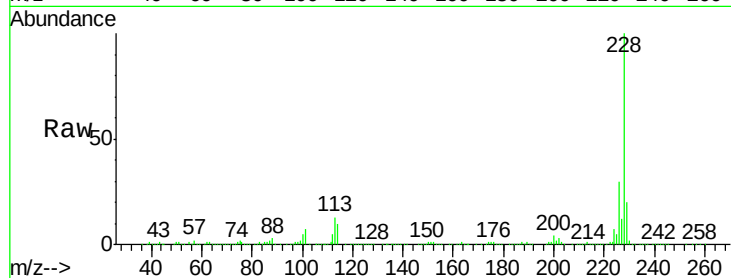
Tgt Ion:228 Resp: 1184399

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

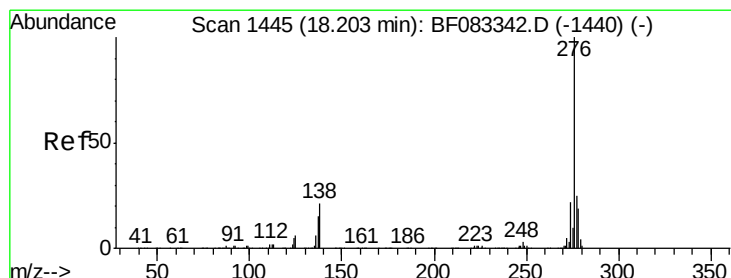
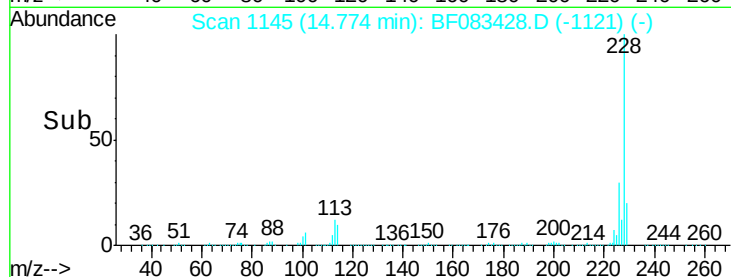
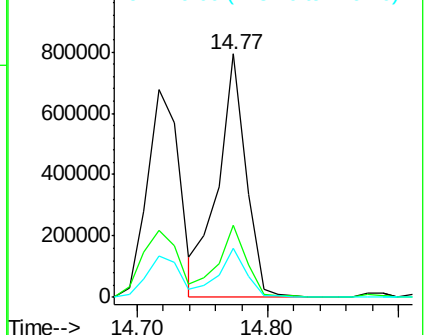
229 20.1 16.2 24.2



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: 61.77 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

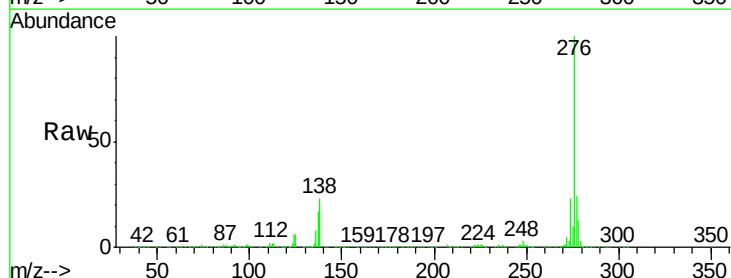
Tgt Ion:276 Resp: 997005

Ion Ratio Lower Upper

276 100

138 21.9 21.2 31.8

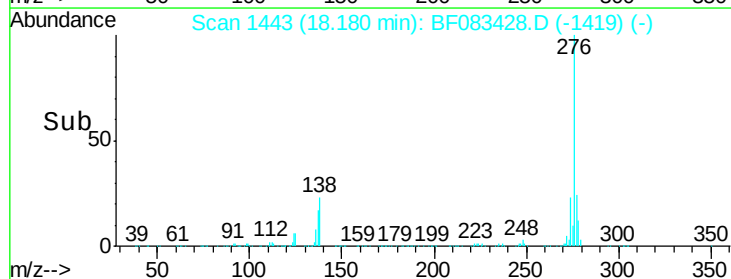
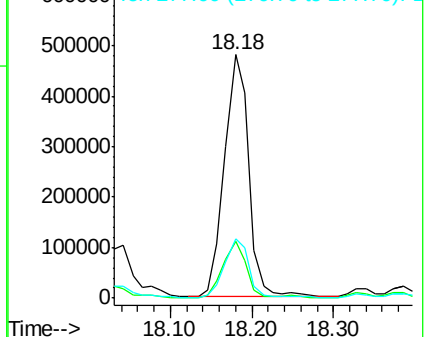
277 23.3 20.0 30.0

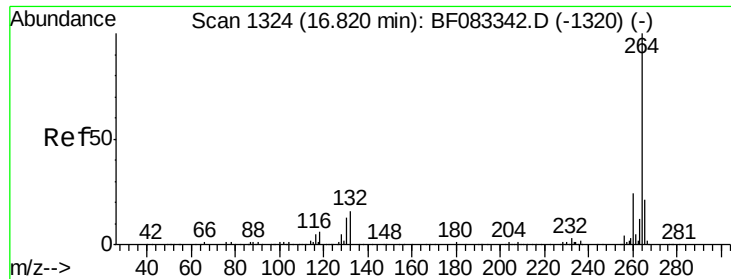


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

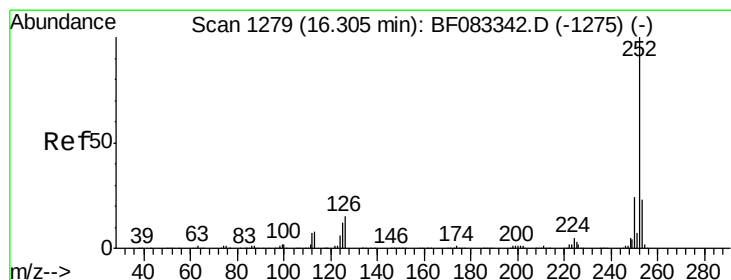
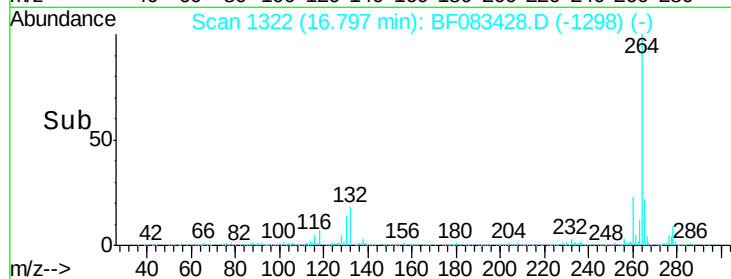
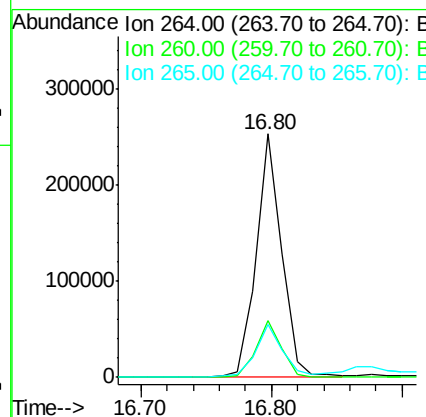
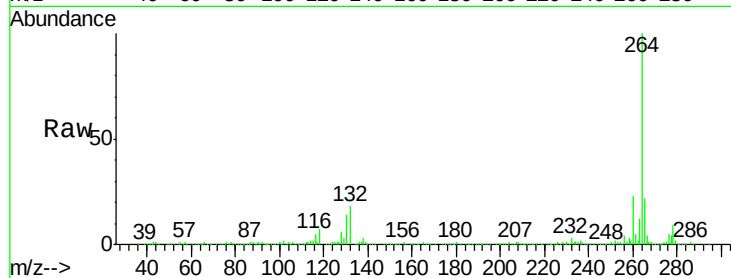




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.80 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

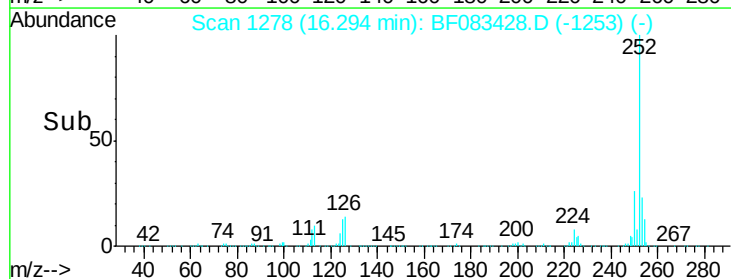
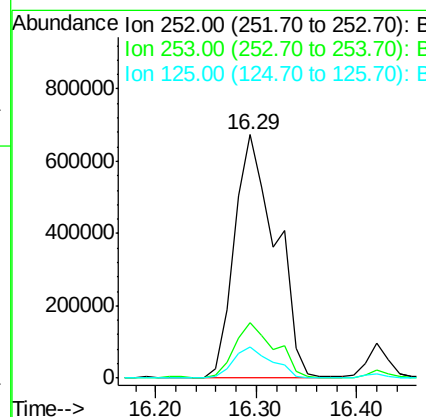
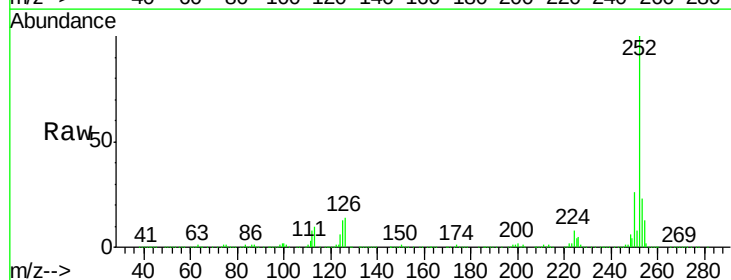
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

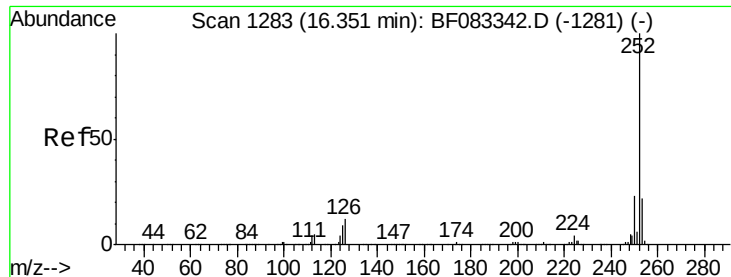
Tgt Ion: 264 Resp: 344629
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 21.7 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 86.77 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion: 252 Resp: 1918834
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 12.8 9.6 14.4

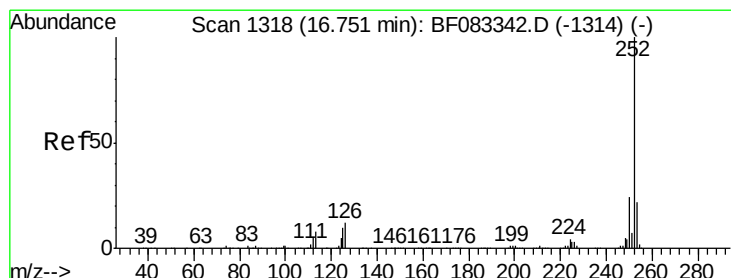
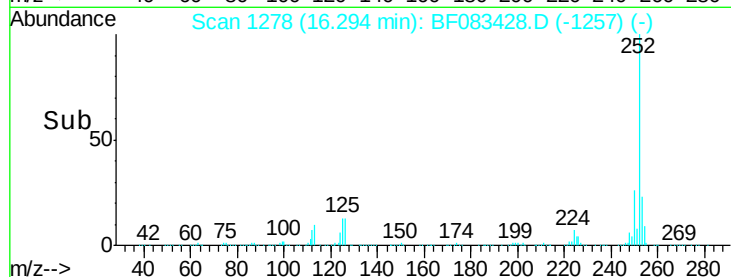
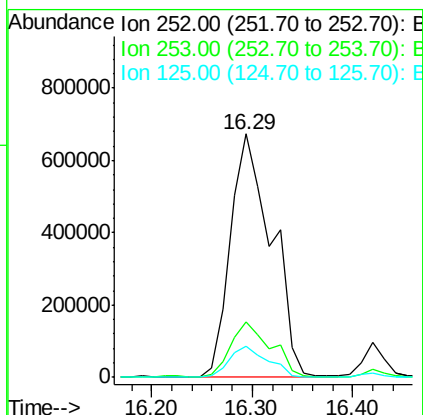
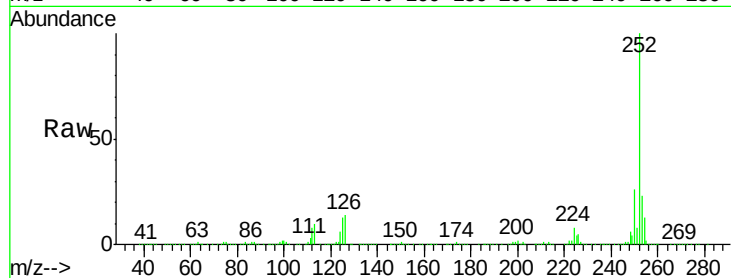




#88
Benzo(k)fluoranthene
Concen: 91.90 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

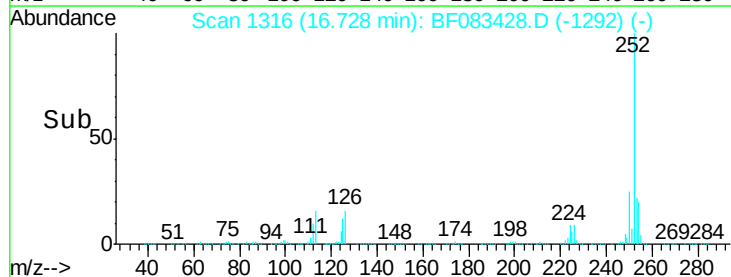
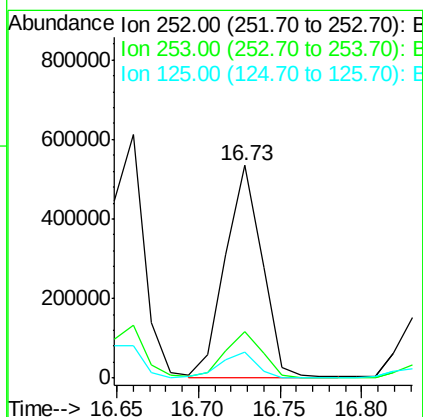
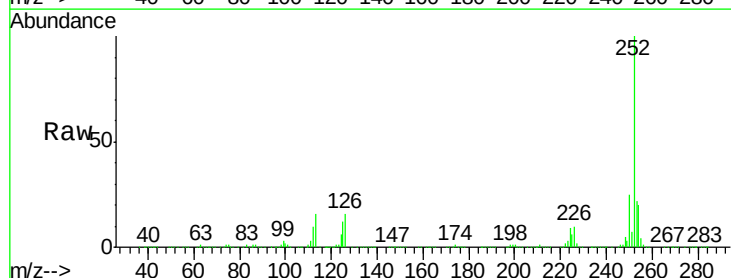
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)

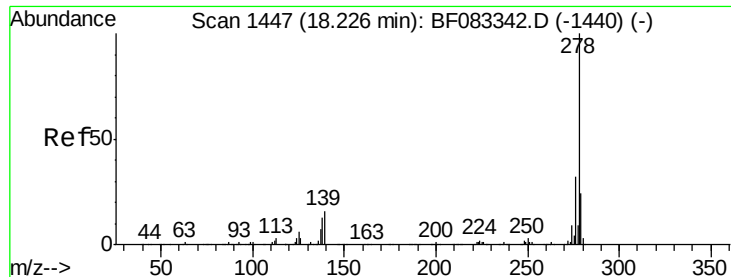
Tgt Ion:252 Resp: 1918834
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 12.8 7.5 11.3#



#89
Benzo(a)pyrene
Concen: 43.97 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083428.D
Acq: 2 Dec 2015 20:17

Tgt Ion:252 Resp: 835189
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 12.1 7.8 11.8#





#90

Dibenzo(a,h)anthracene

Concen: 11.92 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.03 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)

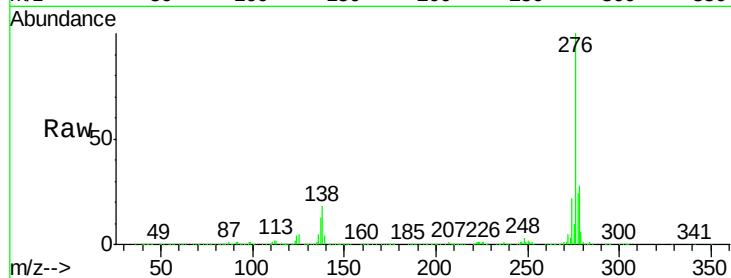
Tgt Ion:278 Resp: 197230

Ion Ratio Lower Upper

278 100

139 15.7 13.1 19.7

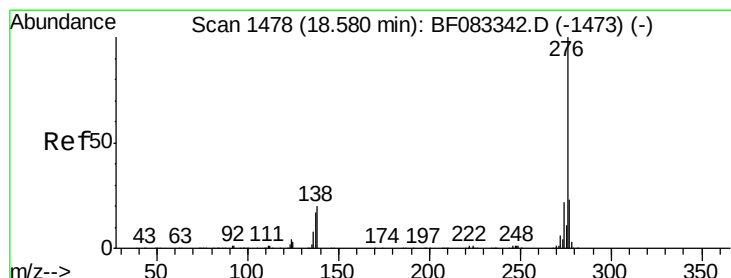
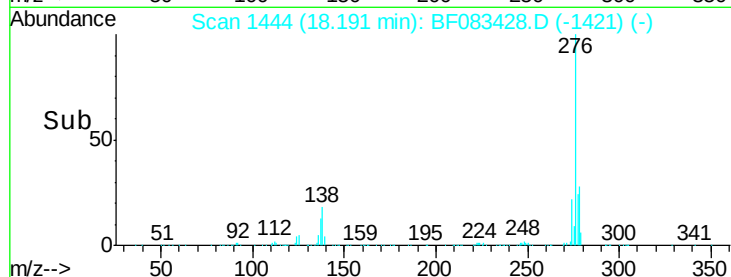
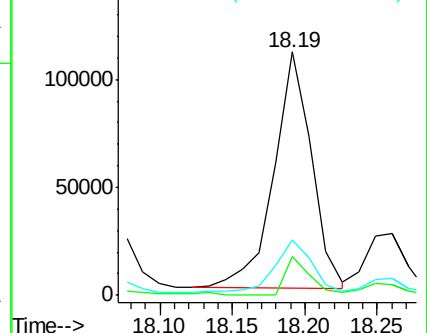
279 22.8 19.2 28.8



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: 67.65 ng

RT: 18.56 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF083428.D

Acq: 2 Dec 2015 20:17

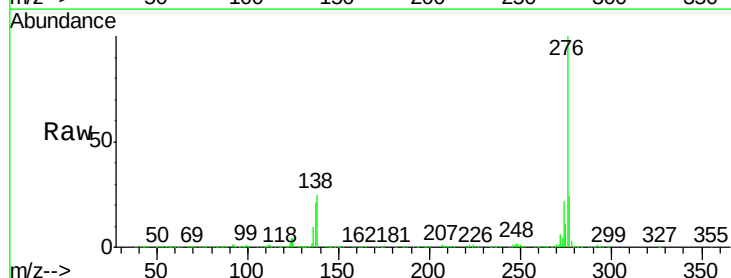
Tgt Ion:276 Resp: 1098915

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 25.0 16.1 24.1#



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

