

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083445.D
 Acq On : 3 Dec 2015 5:52
 Operator : UM/IZ
 Sample : G4583-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

Quant Time: Dec 03 06:50:10 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	6.53	152	139115	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	543664	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	275457	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	457121	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	335558	20.00	ng	-0.03
86) Perylene-d12	16.80	264	330662	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1398526	150.85	ng	0.00
7) Phenol-d6	6.21	99	1852490	145.99	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1329886	107.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	347606	125.71	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1764159	91.27	ng	-0.01
78) Terphenyl-d14	13.21	244	1423476	101.17	ng	-0.01

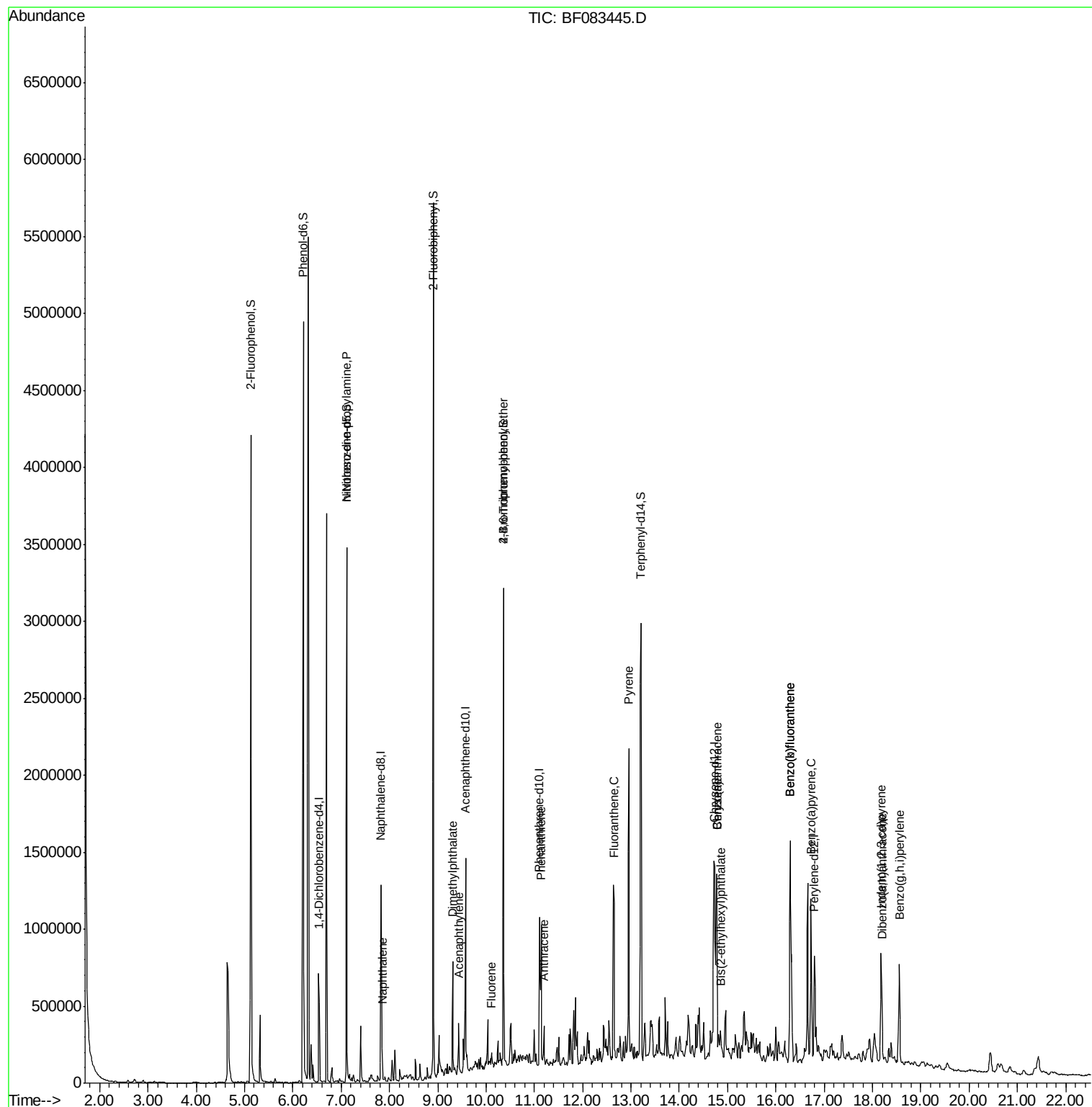
Target Compounds				Qvalue			
9) Benzaldehyde	6.13	77	4565	Below Cal	#	26	
19) n-Nitroso-di-n-propylamine	7.12	70	180038	19.85	ng	#	78
31) Naphthalene	7.85	128	81738	2.77	ng		97
48) Acenaphthylene	9.44	152	158894	5.41	ng		97
49) Dimethylphthalate	9.31	163	246962	11.03	ng		98
57) Fluorene	10.11	166	42059	2.10	ng	#	99
66) 4-Bromophenyl-phenylether	10.36	248	23237	4.65	ng	#	1
70) Phenanthrene	11.14	178	432200	15.98	ng		100
71) Anthracene	11.20	178	106352	3.91	ng		99
74) Fluoranthene	12.65	202	717107	25.57	ng		92
77) Pyrene	12.96	202	1125857	48.04	ng		99
80) Benzo(a)anthracene	14.77	228	698249	33.96	ng		98
82) Chrysene	14.77	228	698249	35.15	ng		98
83) Bis(2-ethylhexyl)phthalate	14.85	149	60833	4.56	ng	#	97
85) Indeno(1,2,3-cd)pyrene	18.18	276	462852	32.00	ng		94
87) Benzo(b)fluoranthene	16.29	252	1272269	59.96	ng		99
88) Benzo(k)fluoranthene	16.29	252	1272269	63.50	ng	#	96
89) Benzo(a)pyrene	16.73	252	442048	24.26	ng		98
90) Dibenzo(a,h)anthracene	18.19	278	108846	6.85	ng		99
91) Benzo(g,h,i)perylene	18.56	276	479040	30.74	ng		98

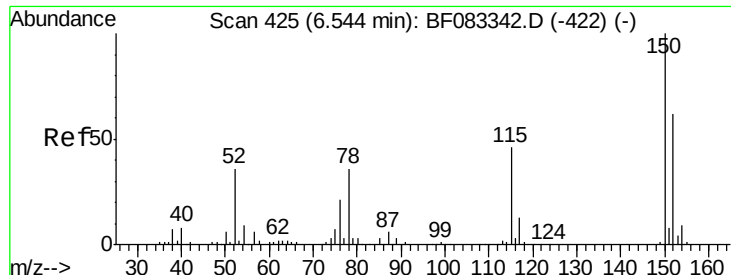
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

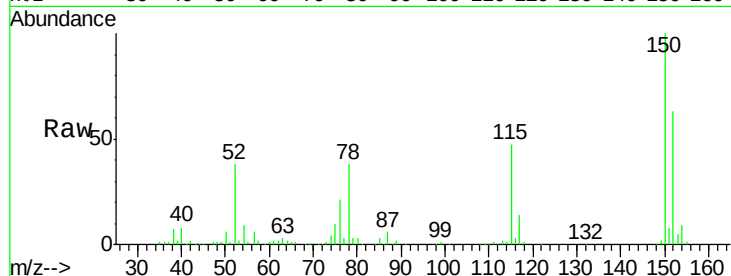
Tgt Ion:152 Resp: 139115

Ion Ratio Lower Upper

152 100

150 158.6 129.8 194.8

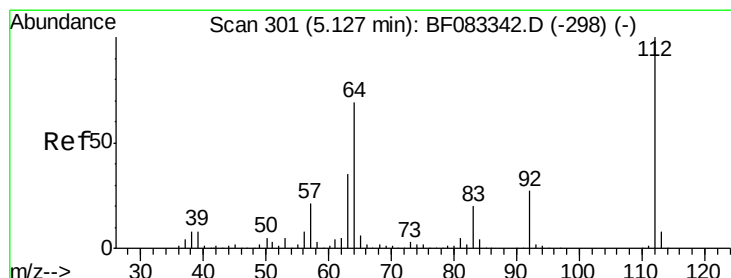
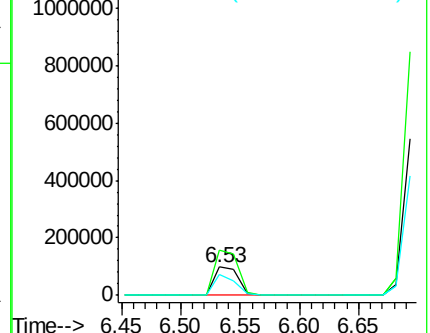
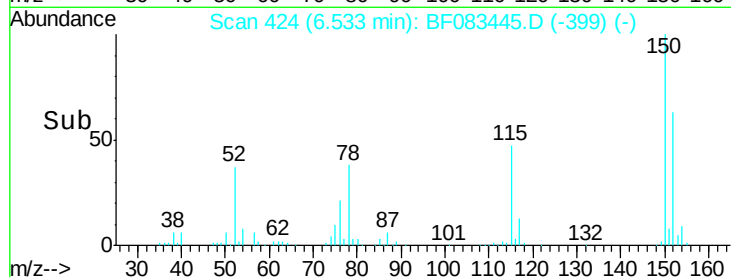
115 74.3 59.2 88.8



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: 150.85 ng

RT: 5.13 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

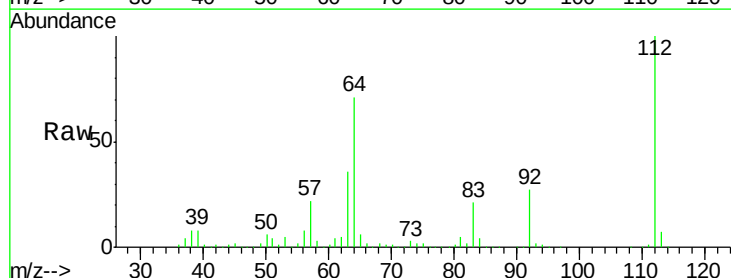
Tgt Ion:112 Resp: 1398526

Ion Ratio Lower Upper

112 100

64 71.4 55.6 83.4

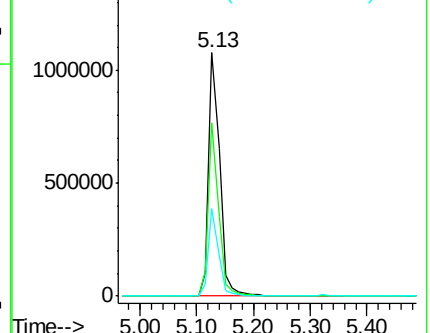
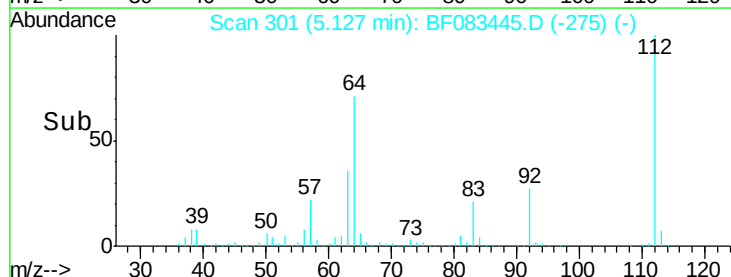
63 36.1 28.2 42.2

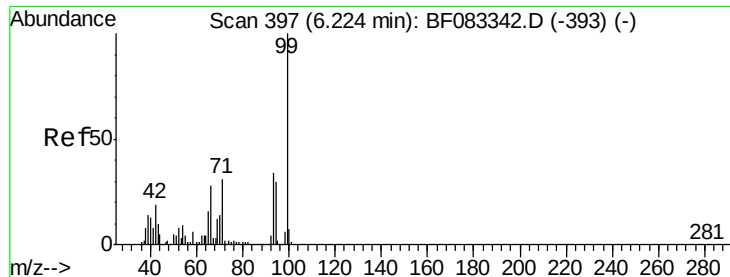


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.99 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

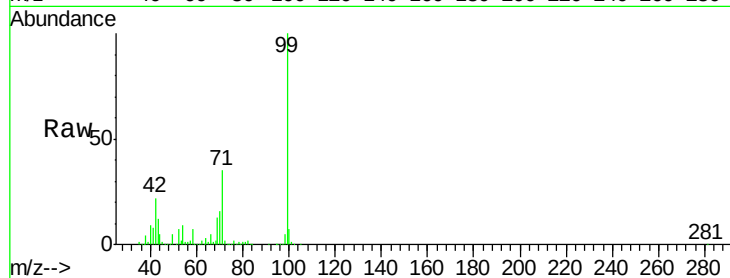
Tgt Ion: 99 Resp: 1852490

Ion Ratio Lower Upper

99 100

42 22.2 14.9 22.3

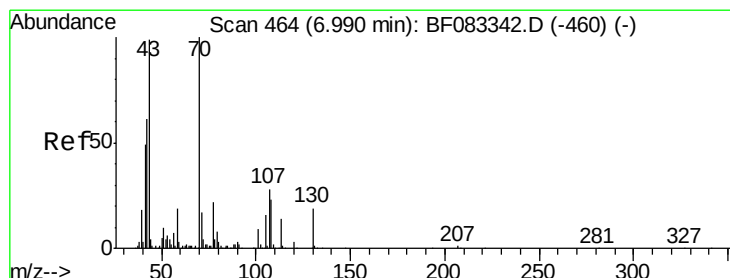
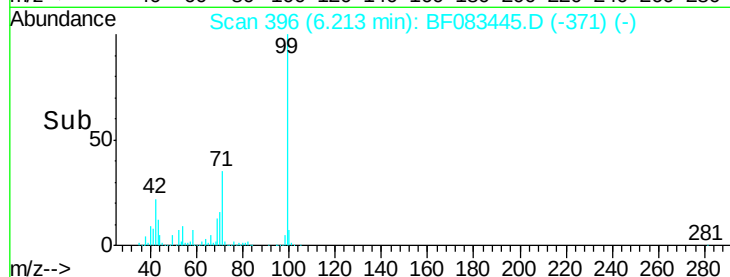
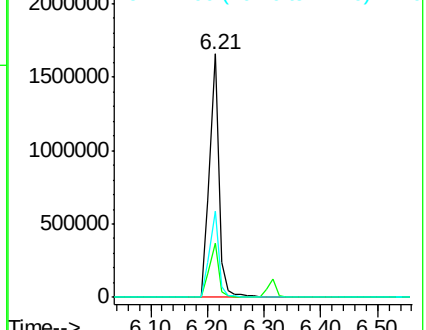
71 35.1 24.7 37.1



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: 19.85 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion: 70 Resp: 180038

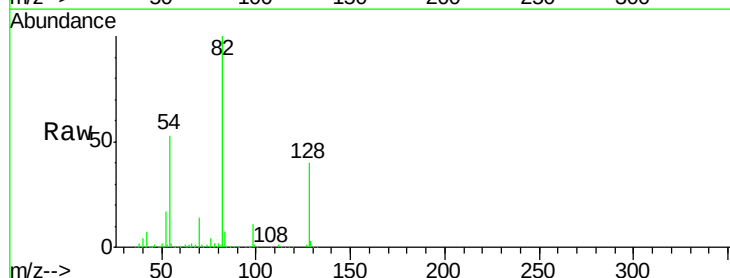
Ion Ratio Lower Upper

70 100

42 48.2 48.8 73.2#

101 0.0 7.1 10.7#

130 2.1 15.0 22.6#

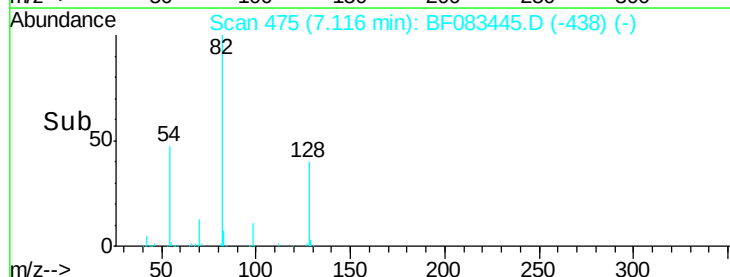
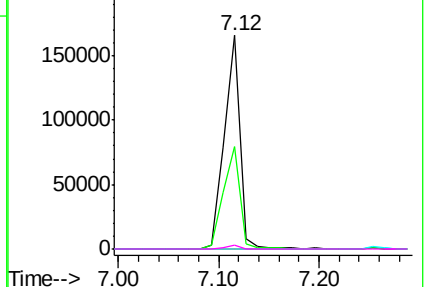


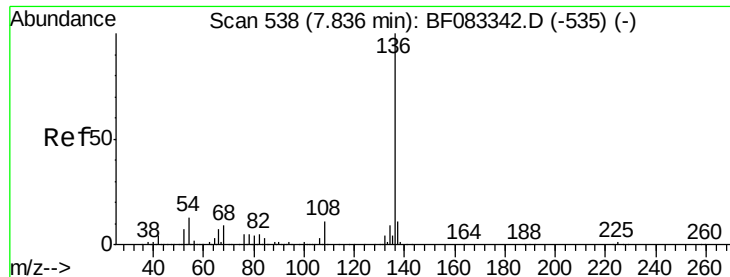
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

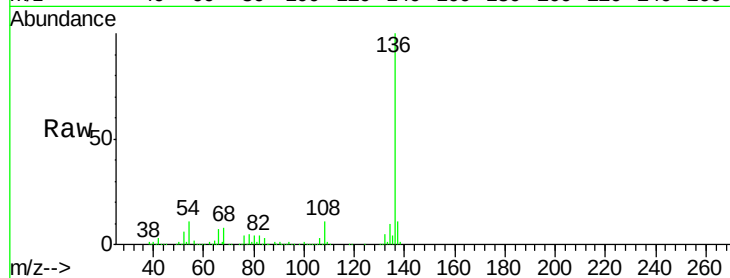




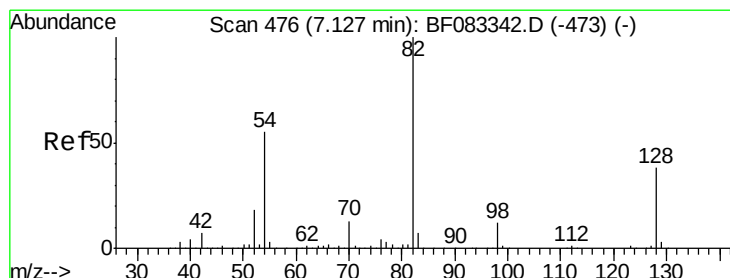
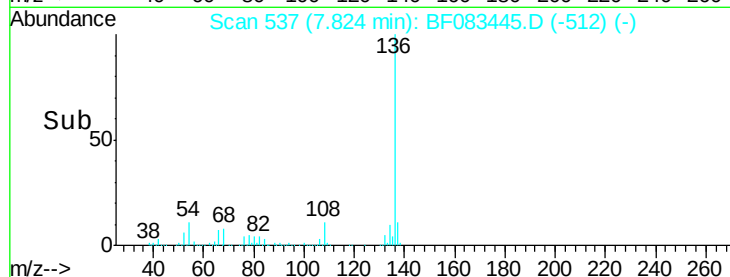
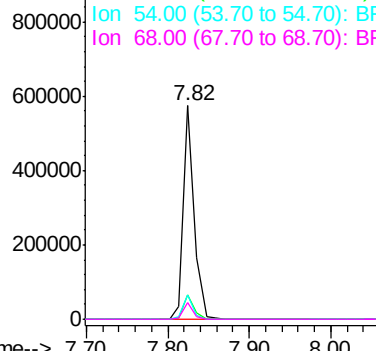
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tgt Ion:	136	Resp:	543664
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	11.3	10.1	15.1
68	7.9	7.1	10.7

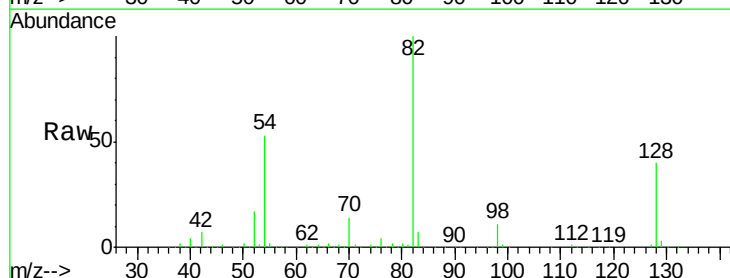


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

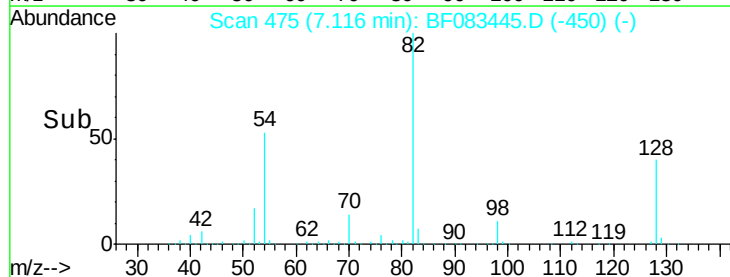
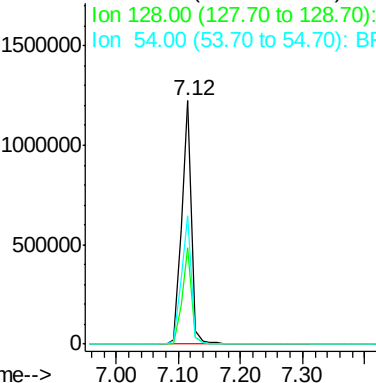


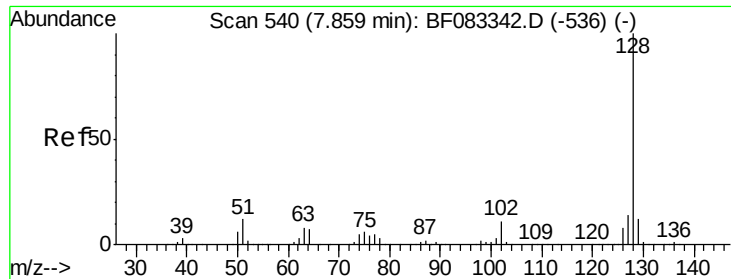
#23
Nitrobenzene-d5
Concen: 107.53 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion:	82	Resp:	1329886
Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.6	46.0
54	52.5	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

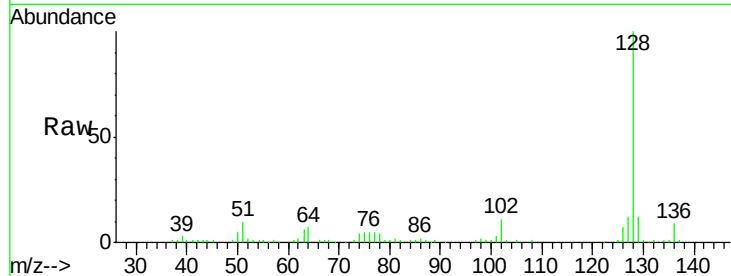




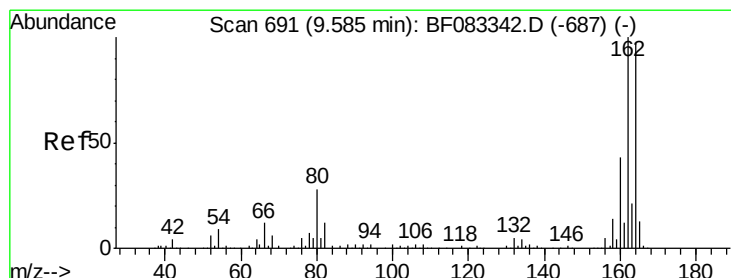
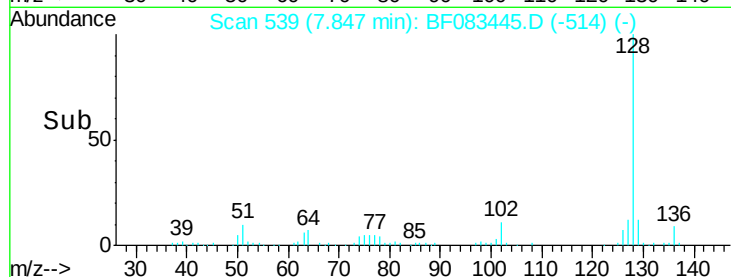
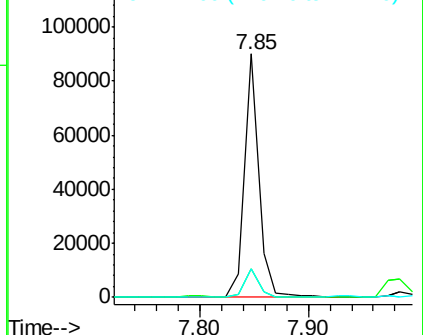
#31
Naphthalene
Concen: 2.77 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tgt Ion:128 Resp: 81738
Ion Ratio Lower Upper
128 100
129 11.7 9.7 14.5
127 11.9 11.0 16.4

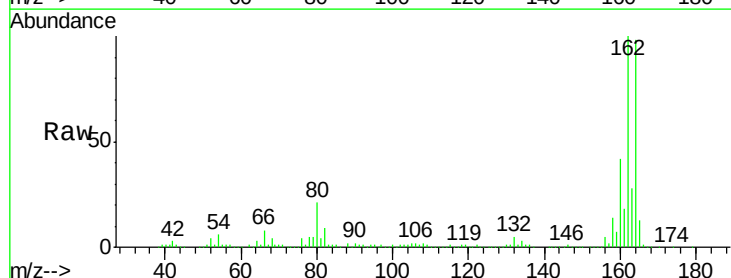


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

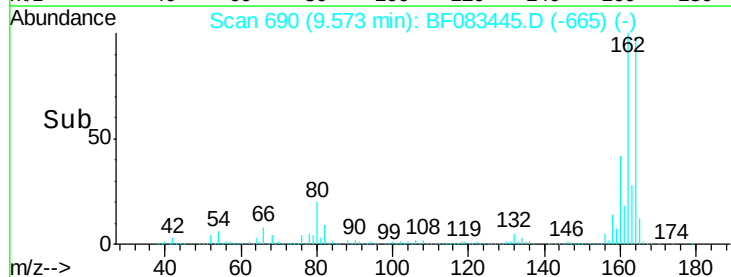
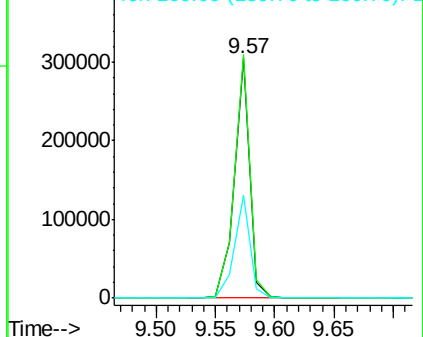


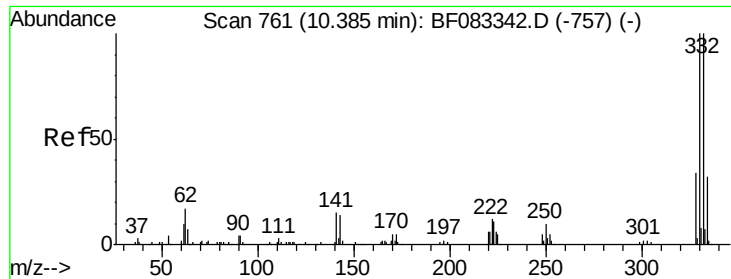
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion:164 Resp: 275457
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 43.1 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

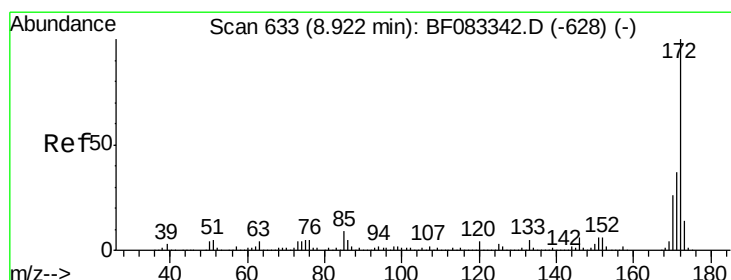
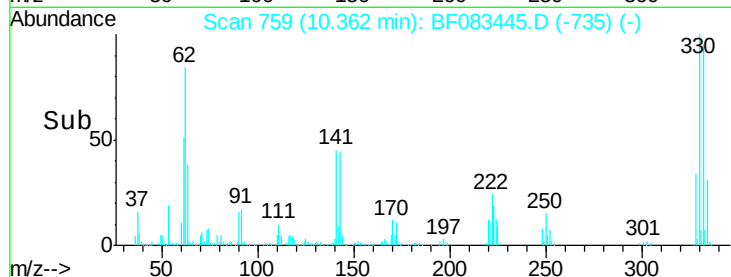
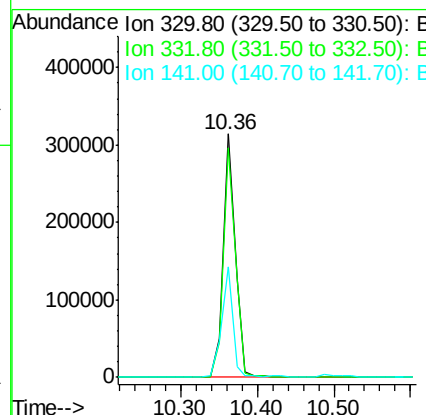
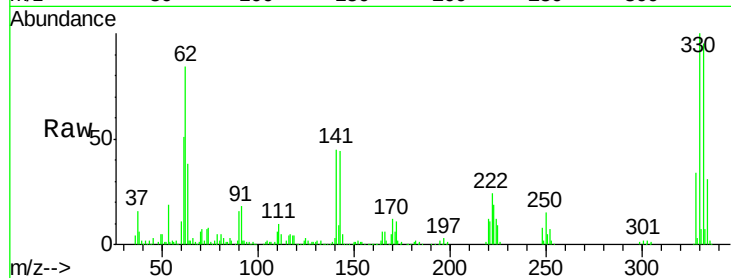




#41
 2,4,6-Tribromophenol
 Concen: 125.71 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

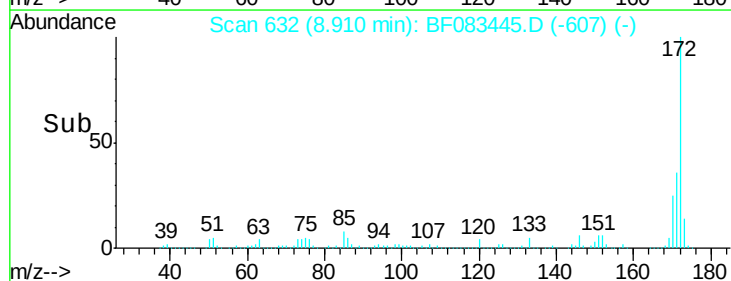
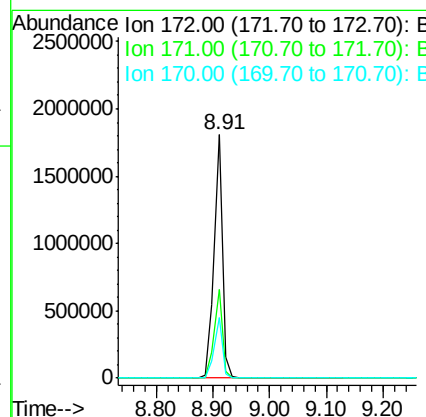
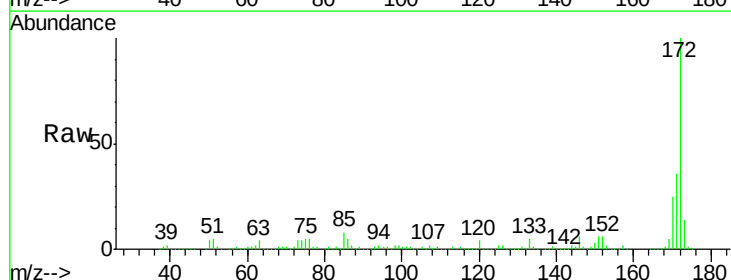
Instrument :
 BNA_F
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 SB-P3WC-07(0-8)

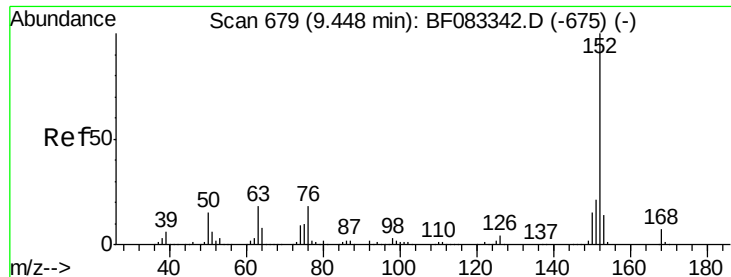
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.8	116.6
141	40.8	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 91.27 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	25.0	20.4	30.6





#48

Acenaphthylene

Concen: 5.41 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

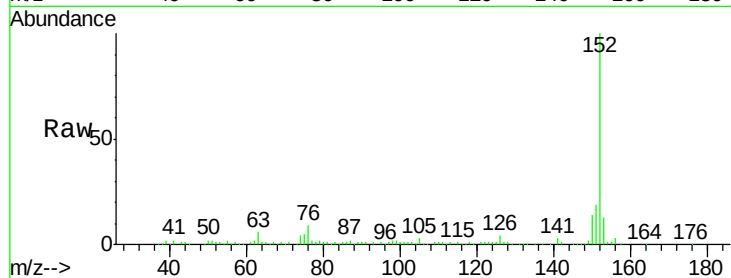
Tgt Ion:152 Resp: 158894

Ion Ratio Lower Upper

152 100

151 19.1 16.7 25.1

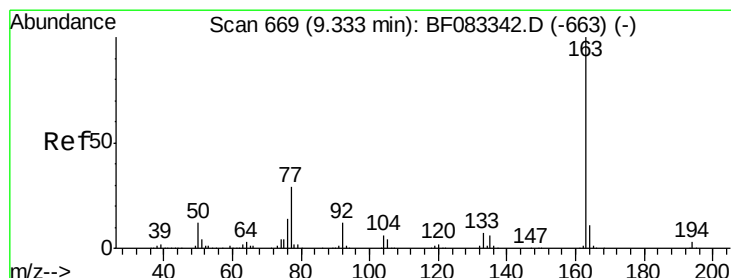
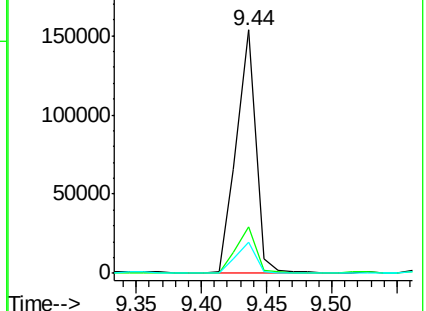
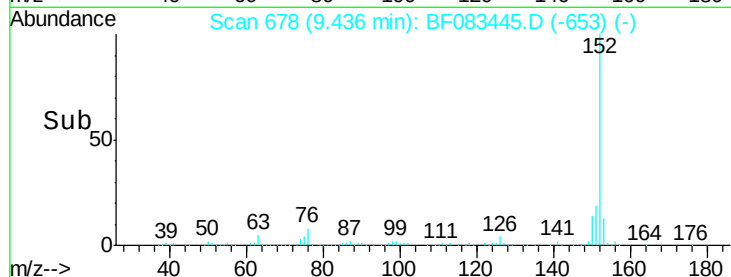
153 12.9 11.2 16.8



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: 11.03 ng

RT: 9.31 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

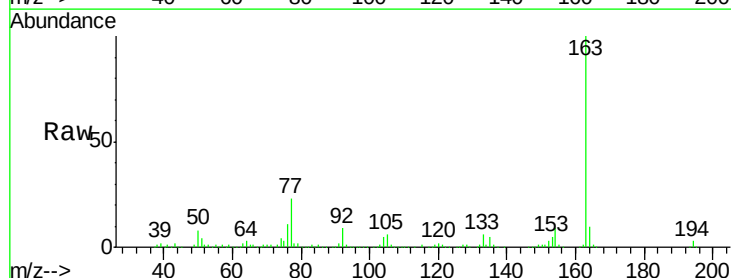
Tgt Ion:163 Resp: 246962

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

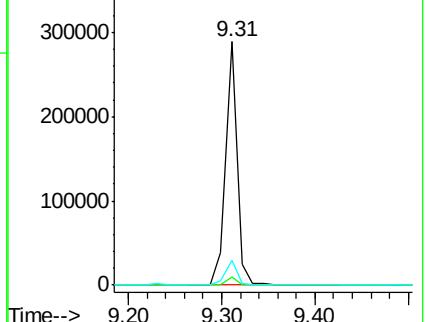
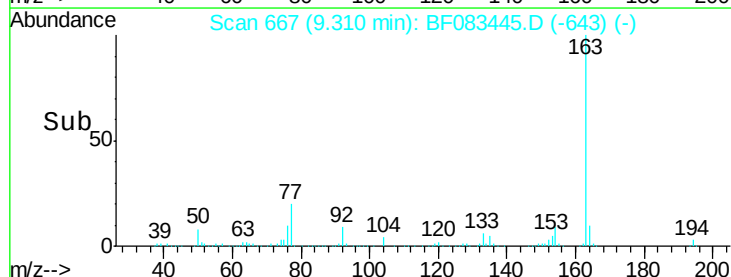
164 10.1 8.8 13.2

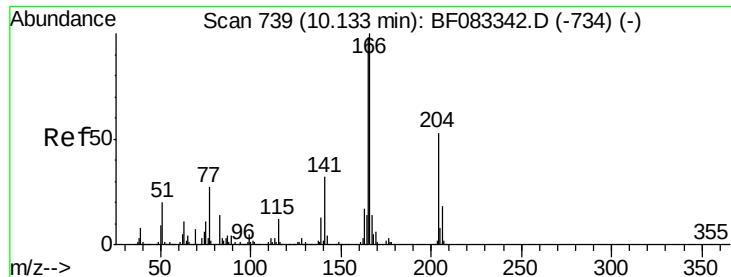


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

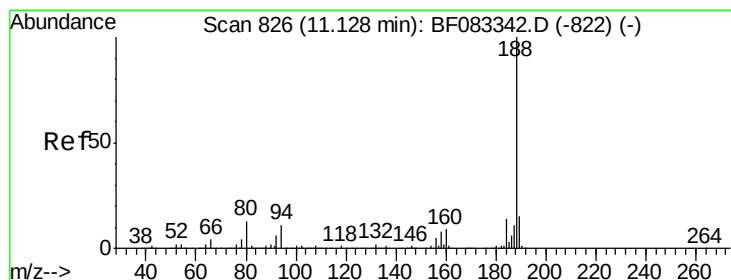
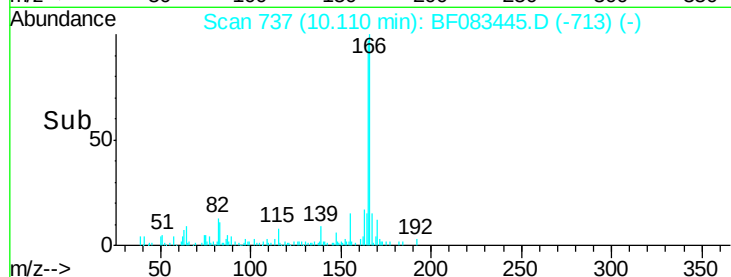
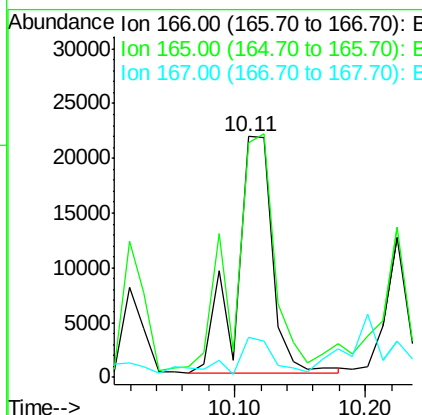
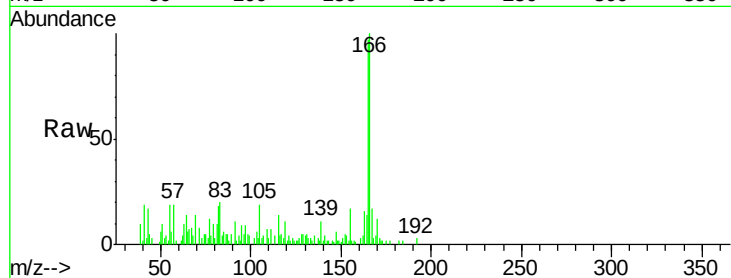




#57
Fluorene
 Concen: 2.10 ng
 RT: 10.11 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

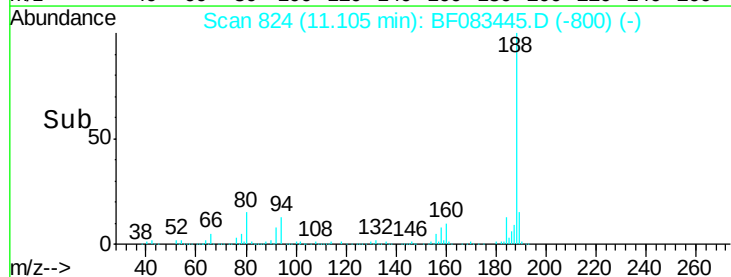
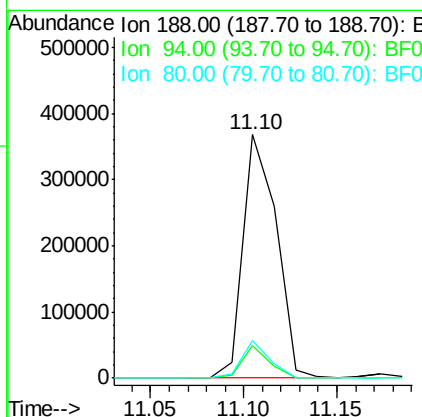
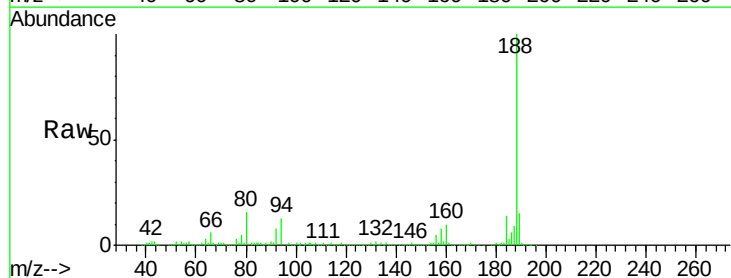
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

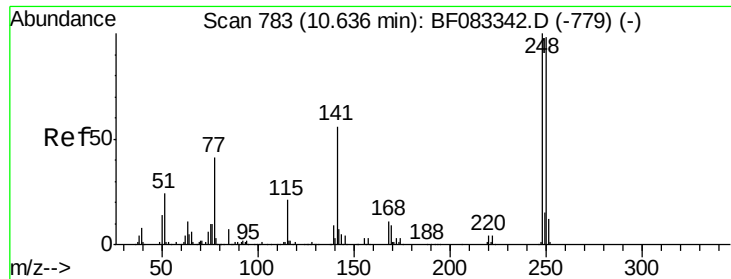
Tgt Ion:166 Resp: 42059
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.3 117.5
 167 16.7 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Tgt Ion:188 Resp: 457121
 Ion Ratio Lower Upper
 188 100
 94 13.4 8.7 13.1#
 80 15.6 10.3 15.5#

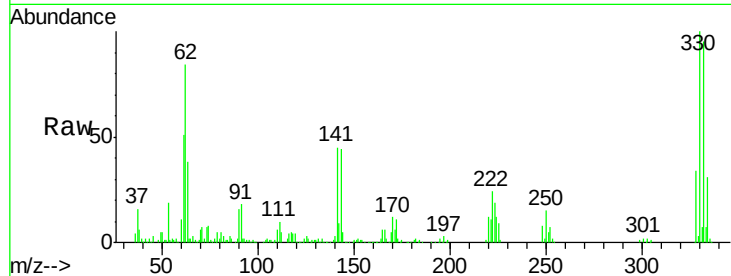




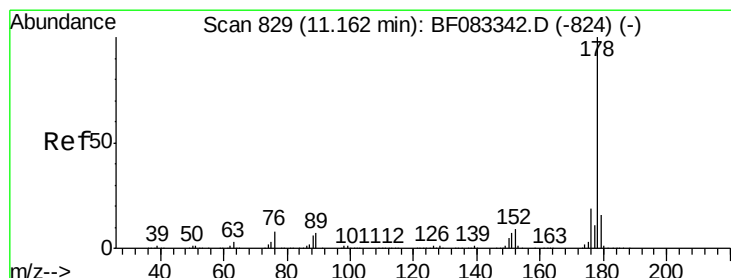
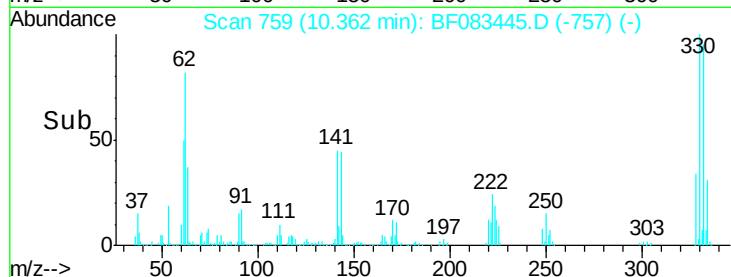
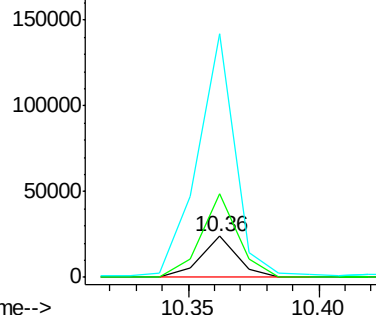
#66
 4-Bromophenyl-phenylether
 Concen: 4.65 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.27 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

Tgt Ion:248 Resp: 23237
 Ion Ratio Lower Upper
 248 100
 250 204.3 78.6 118.0#
 141 597.1 44.4 66.6#

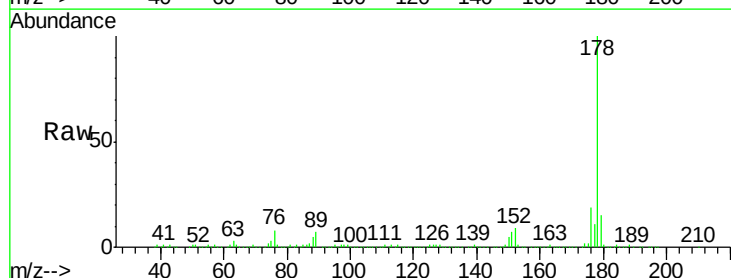


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

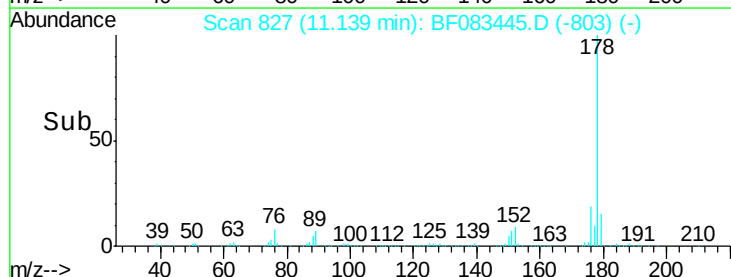
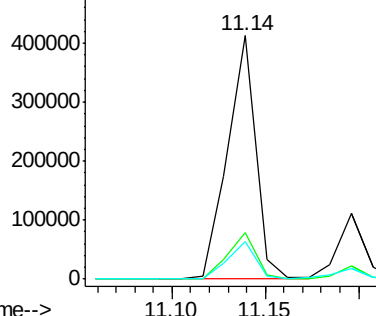


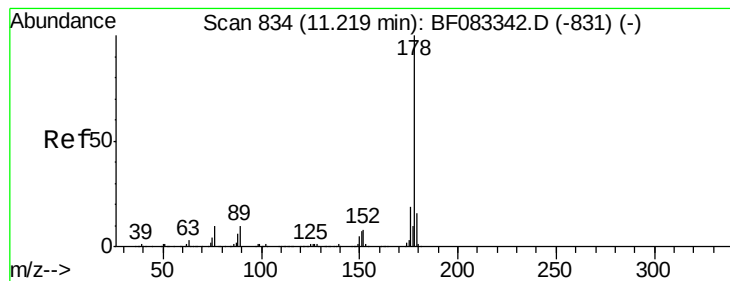
#70
 Phenanthrene
 Concen: 15.98 ng
 RT: 11.14 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Tgt Ion:178 Resp: 432200
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.5 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: 3.91 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

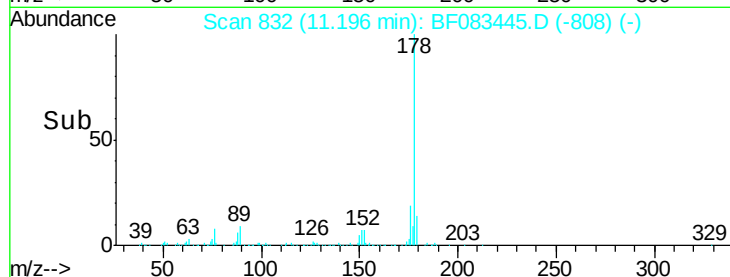
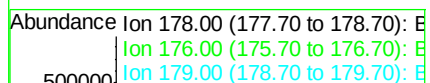
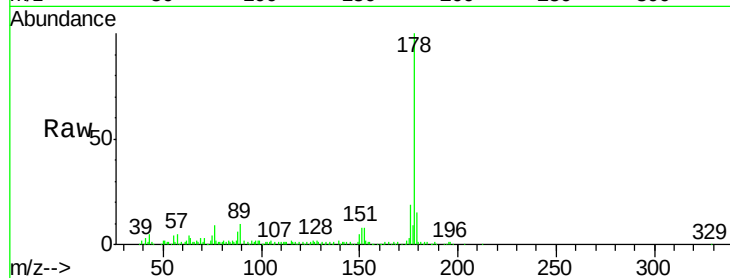
Tgt Ion:178 Resp: 106352

Ion Ratio Lower Upper

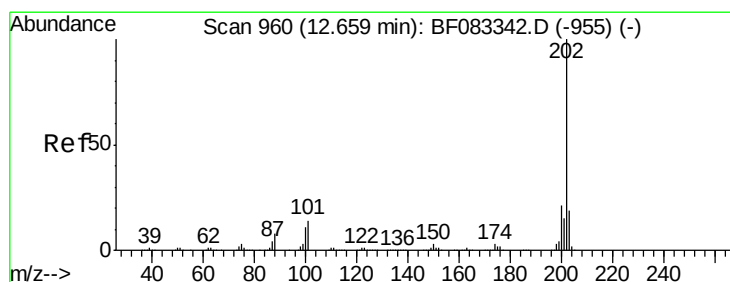
178 100

176 19.4 15.6 23.4

179 15.3 12.8 19.2



Time-->



#74

Fluoranthene

Concen: 25.57 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

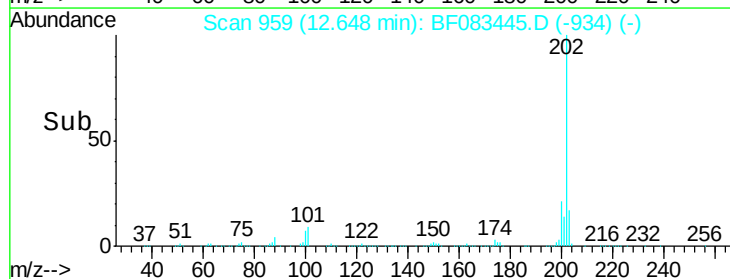
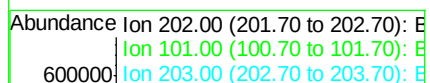
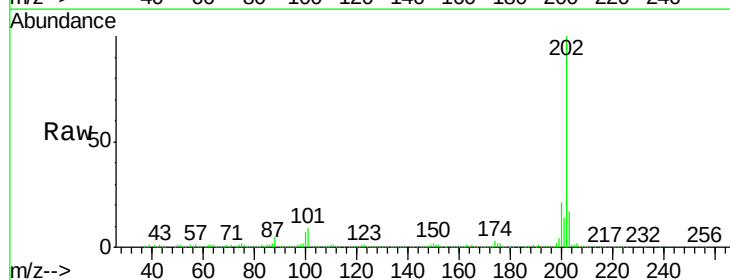
Tgt Ion:202 Resp: 717107

Ion Ratio Lower Upper

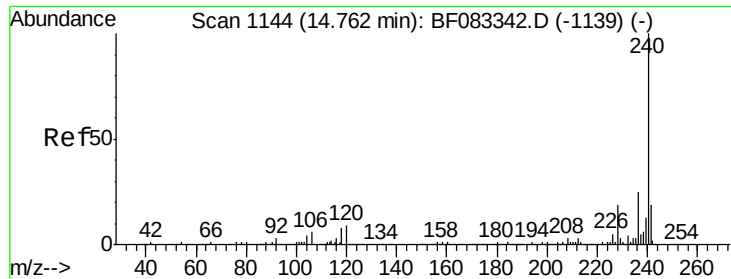
202 100

101 9.2 0.0 34.5

203 17.1 0.0 38.7



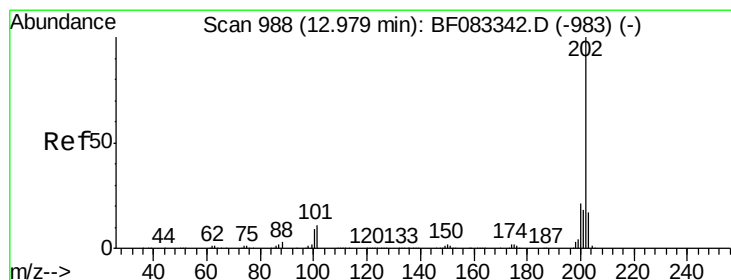
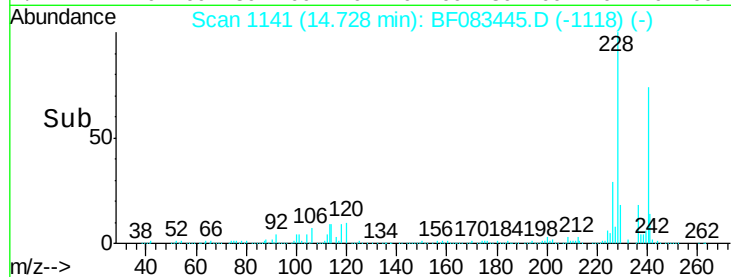
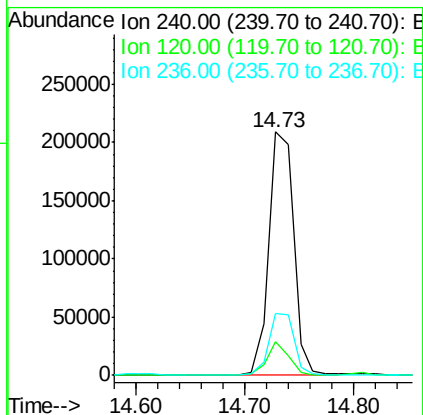
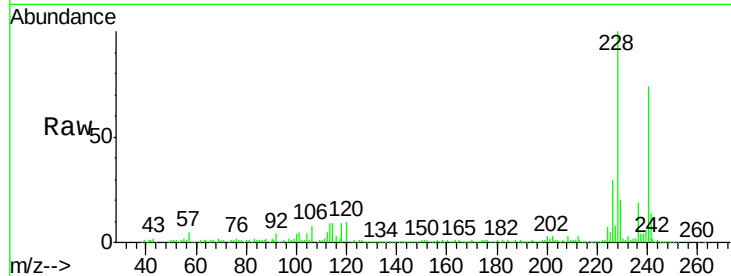
Time-->



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.03 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

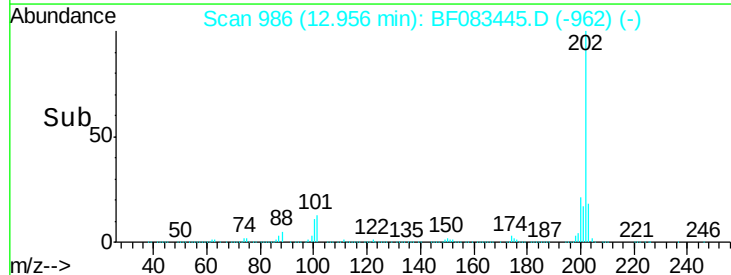
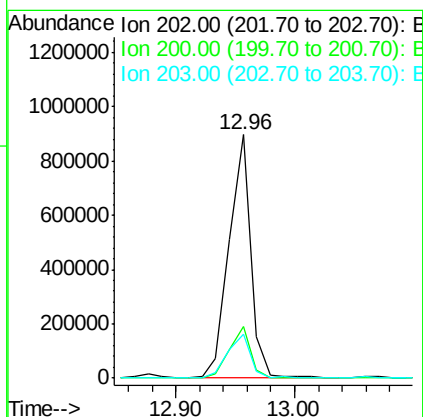
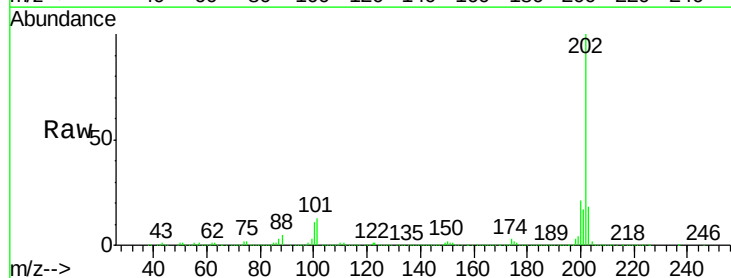
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

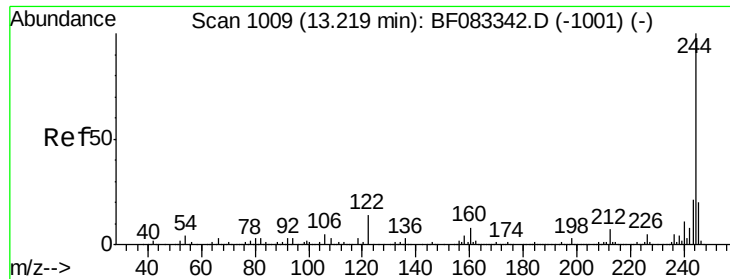
Tgt Ion:240 Resp: 335558
Ion Ratio Lower Upper
240 100
120 13.6 6.9 10.3#
236 25.3 19.8 29.6



#77
Pyrene
Concen: 48.04 ng
RT: 12.96 min Scan# 986
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion:202 Resp: 1125857
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 18.0 13.9 20.9

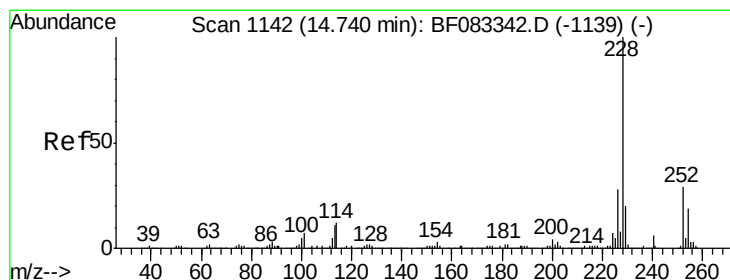
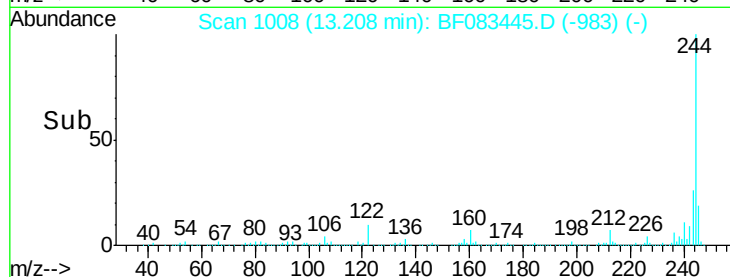
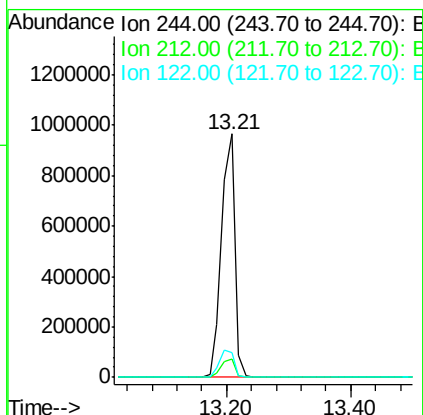
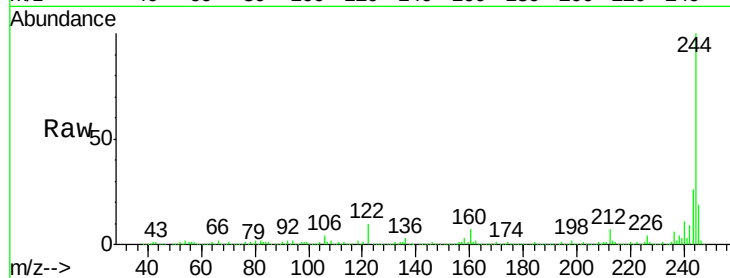




#78
 Terphenyl-d14
 Concen: 101.17 ng
 RT: 13.21 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

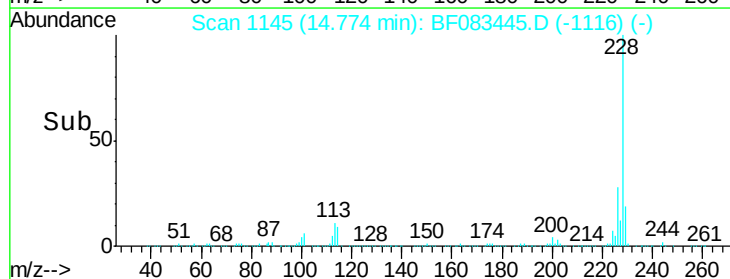
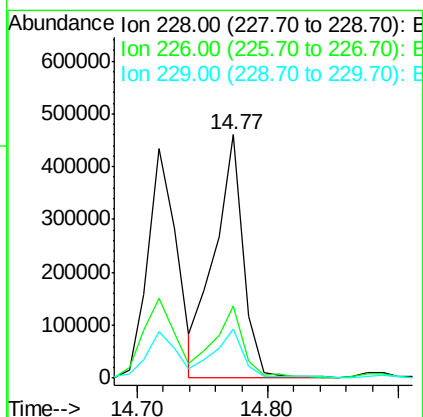
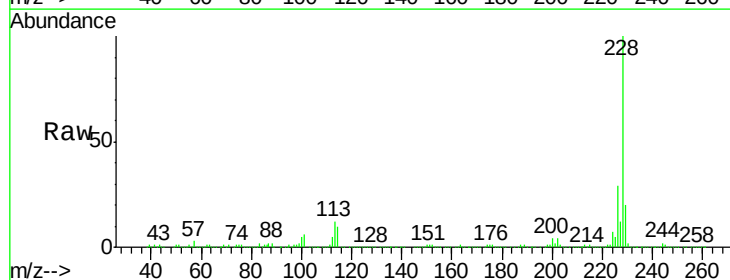
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

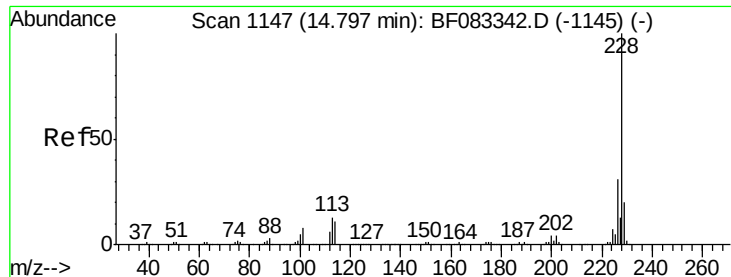
Tgt Ion:244 Resp: 1423476
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 10.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 33.96 ng
 RT: 14.77 min Scan# 1145
 Delta R.T. 0.03 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Tgt Ion:228 Resp: 698249
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.2 33.4
 229 20.0 16.1 24.1





#82

Chrysene

Concen: 35.15 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

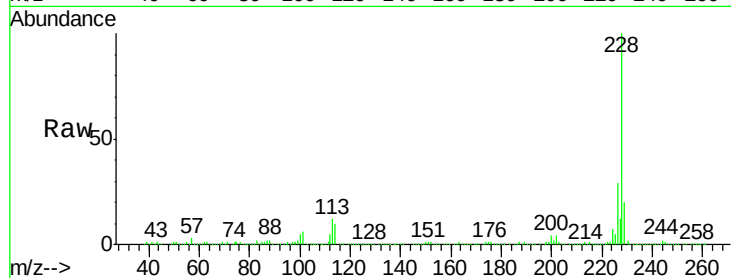
Tgt Ion: 228 Resp: 698249

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

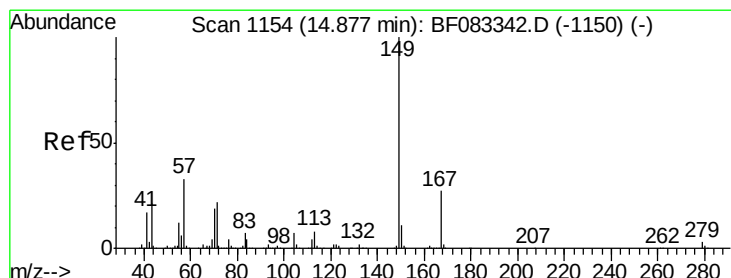
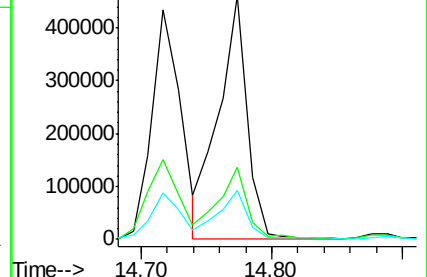
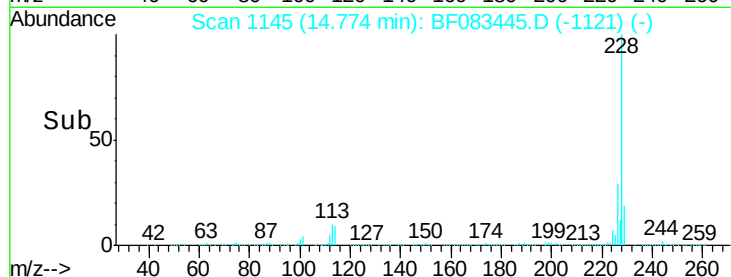
229 20.0 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.56 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

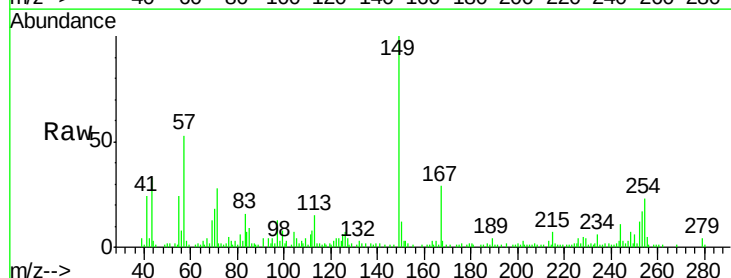
Tgt Ion: 149 Resp: 60833

Ion Ratio Lower Upper

149 100

167 28.6 21.5 32.3

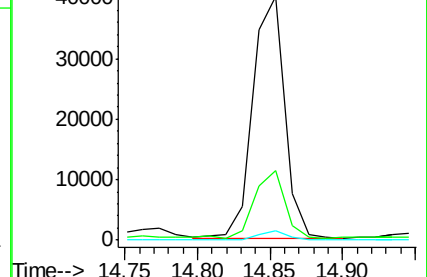
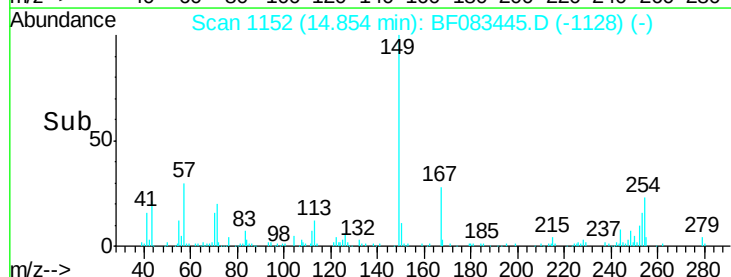
279 4.1 2.6 3.8#

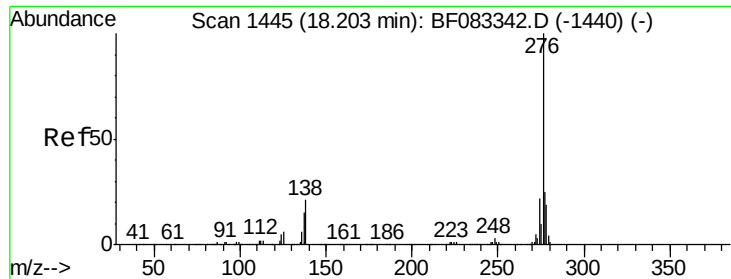


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

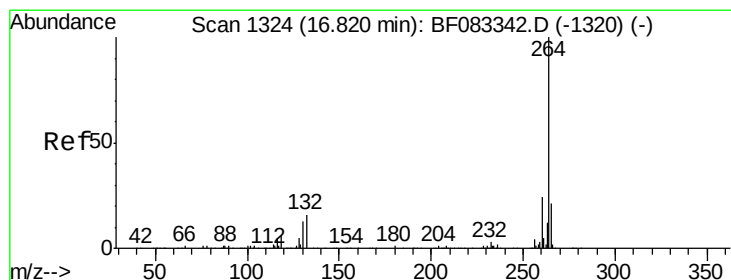
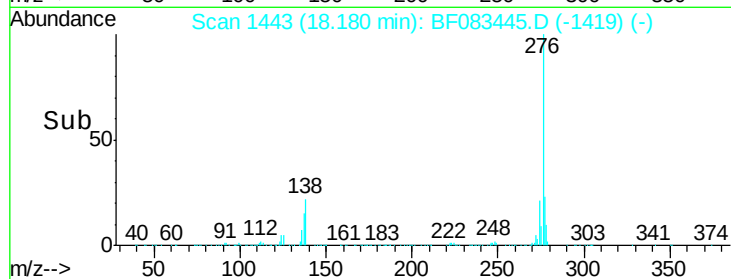
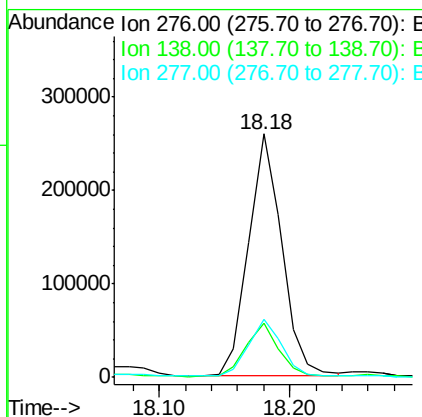
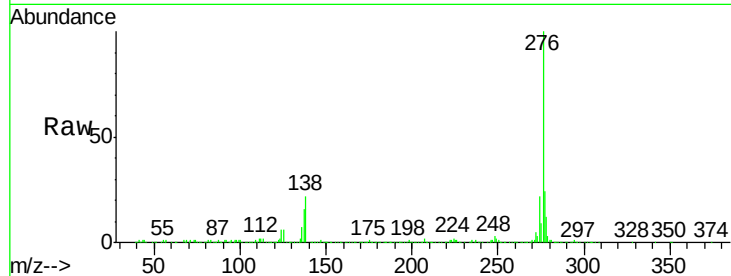




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.00 ng
 RT: 18.18 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

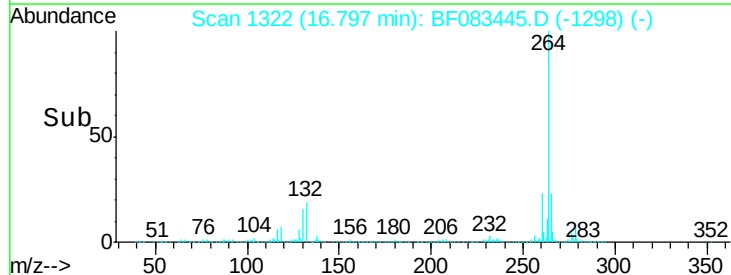
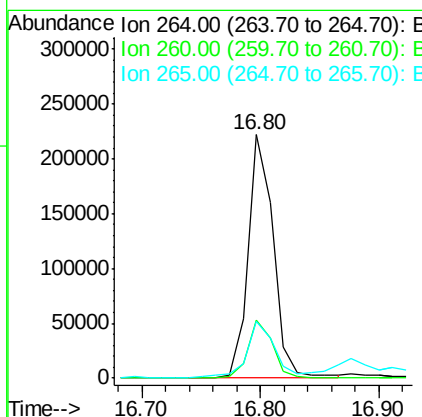
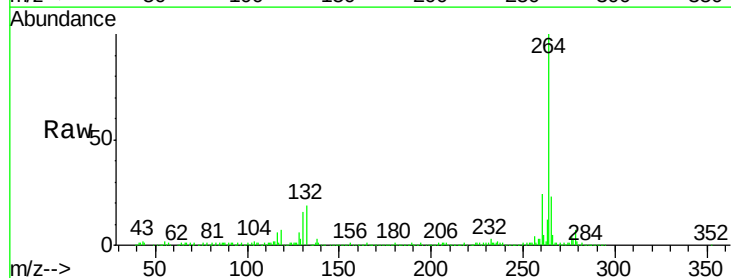
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

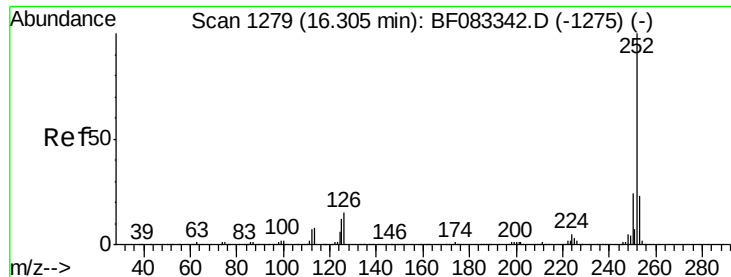
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	21.2	31.8
277	23.2	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.80 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF083445.D
 Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	23.2	16.8	25.2

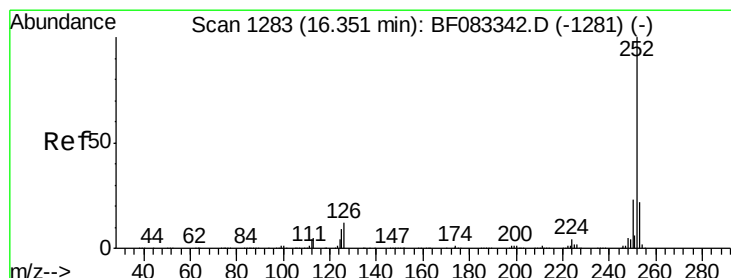
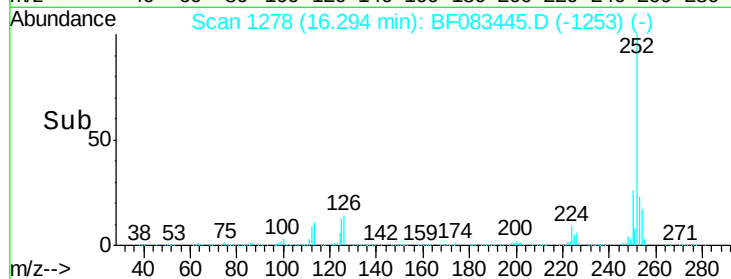
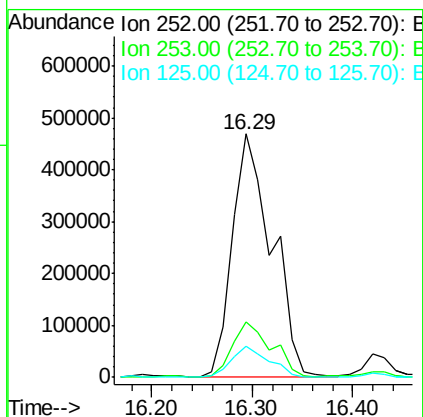
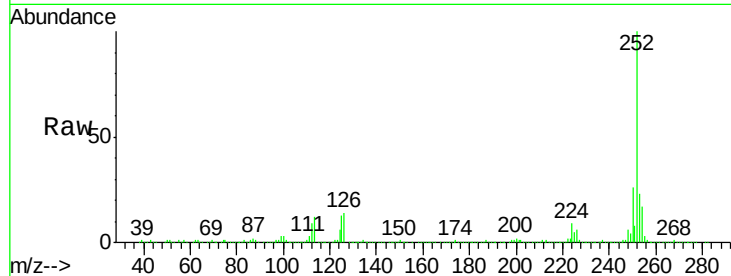




#87
Benzo(b)fluoranthene
Concen: 59.96 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

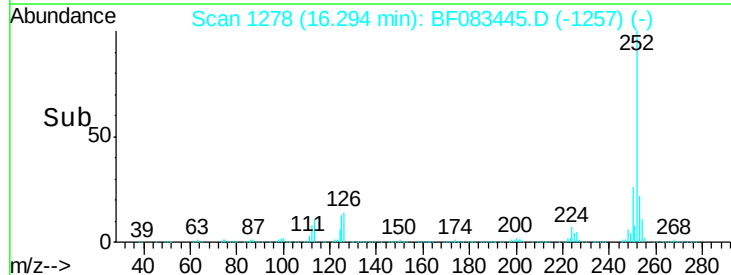
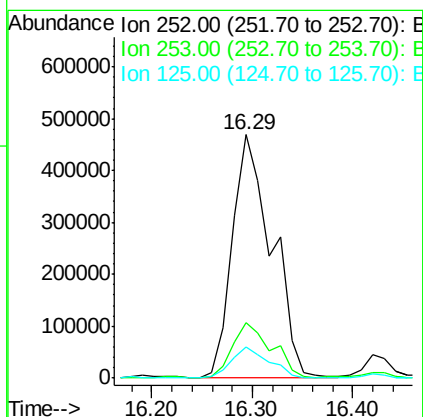
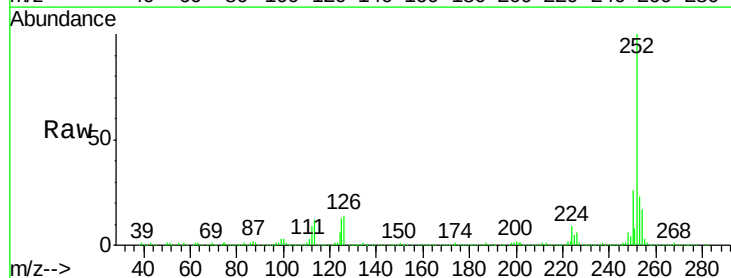
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

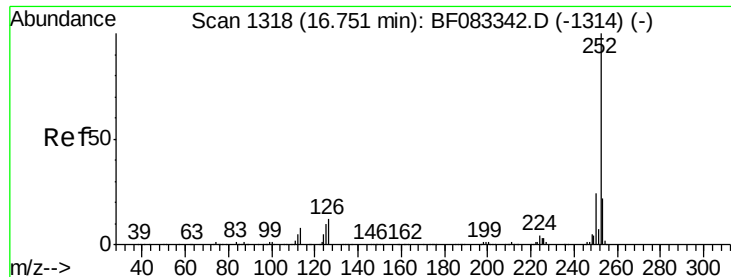
Tgt Ion:252 Resp: 1272269
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.8 9.6 14.4



#88
Benzo(k)fluoranthene
Concen: 63.50 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion:252 Resp: 1272269
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.8 7.5 11.3#





#89

Benzo(a)pyrene

Concen: 24.26 ng

RT: 16.73 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

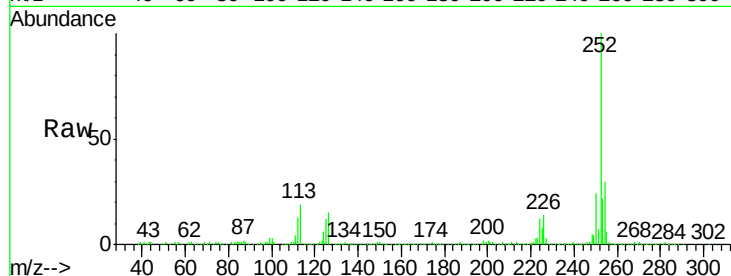
Tgt Ion:252 Resp: 442048

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

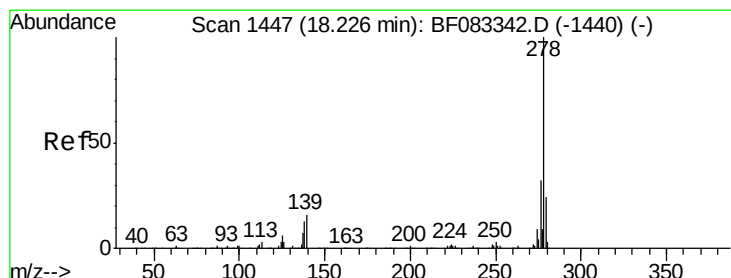
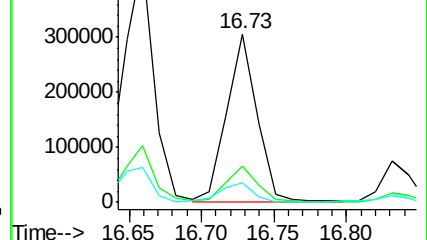
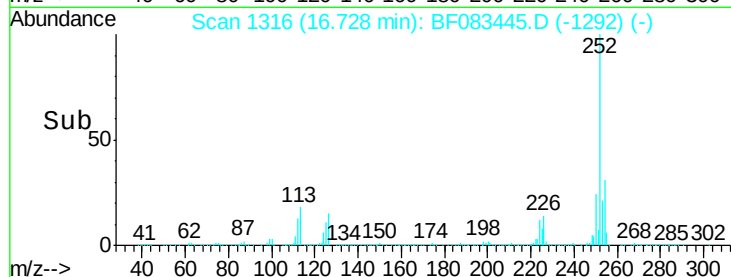
125 11.6 7.8 11.8



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: 6.85 ng

RT: 18.19 min Scan# 1444

Delta R.T. -0.03 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

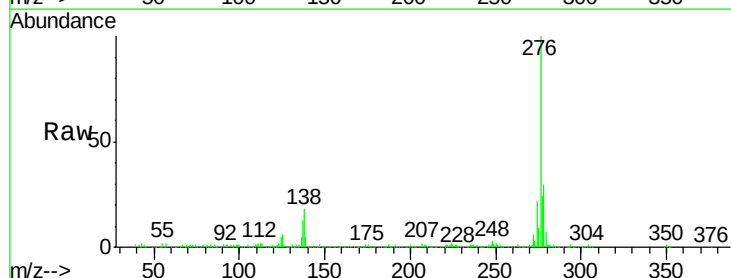
Tgt Ion:278 Resp: 108846

Ion Ratio Lower Upper

278 100

139 16.5 13.1 19.7

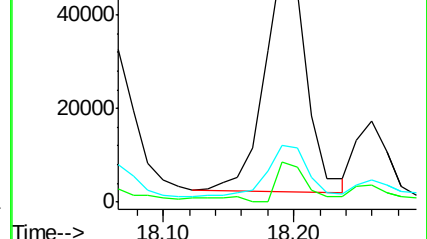
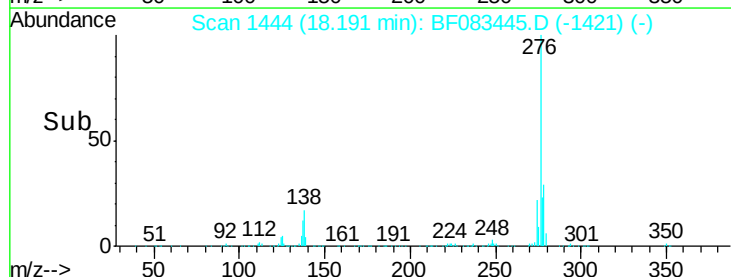
279 23.1 19.2 28.8

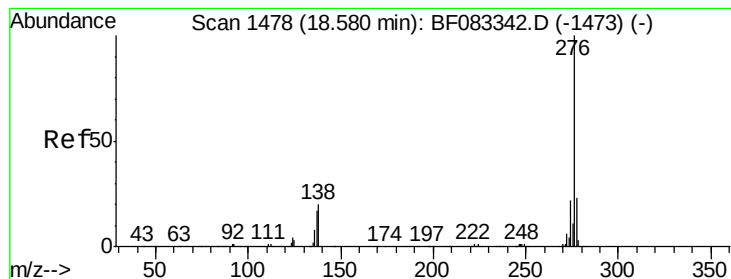


Abundance Ion 278.00 (277.70 to 278.70): E

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: 30.74 ng

RT: 18.56 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF083445.D

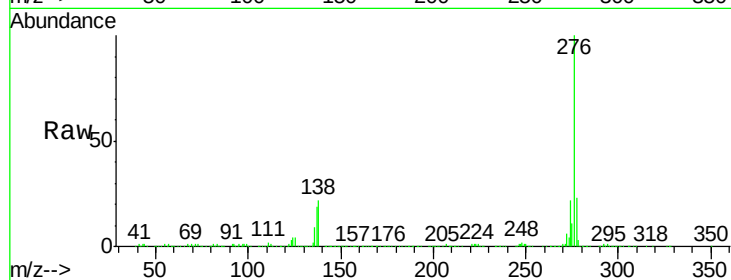
Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)



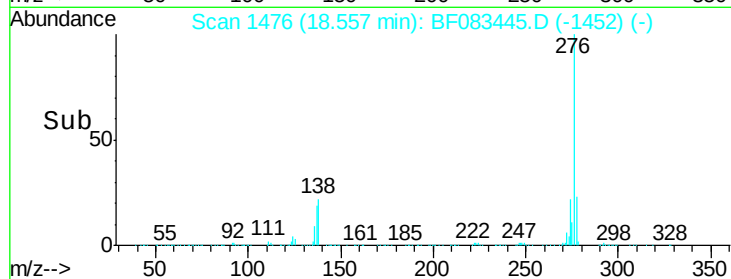
Tgt Ion: 276 Resp: 479040

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 22.1 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

