

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083261.D
 Acq On : 25 Nov 2015 3:03
 Operator : UM/IZ
 Sample : G4436-03RE 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356RE

Quant Time: Nov 25 05:08:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	185377	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	771493	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	394316	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	664496	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	447650	20.00	ng	-0.06
86) Perylene-d12	15.11	264	503355	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	411515	33.56	ng	-0.08
7) Phenol-d6	6.27	99	574411	36.21	ng	-0.07
23) Nitrobenzene-d5	7.18	82	395726	23.44	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	116477	28.87	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	590920	20.90	ng	-0.05
78) Terphenyl-d14	12.71	244	430401	22.64	ng	-0.06

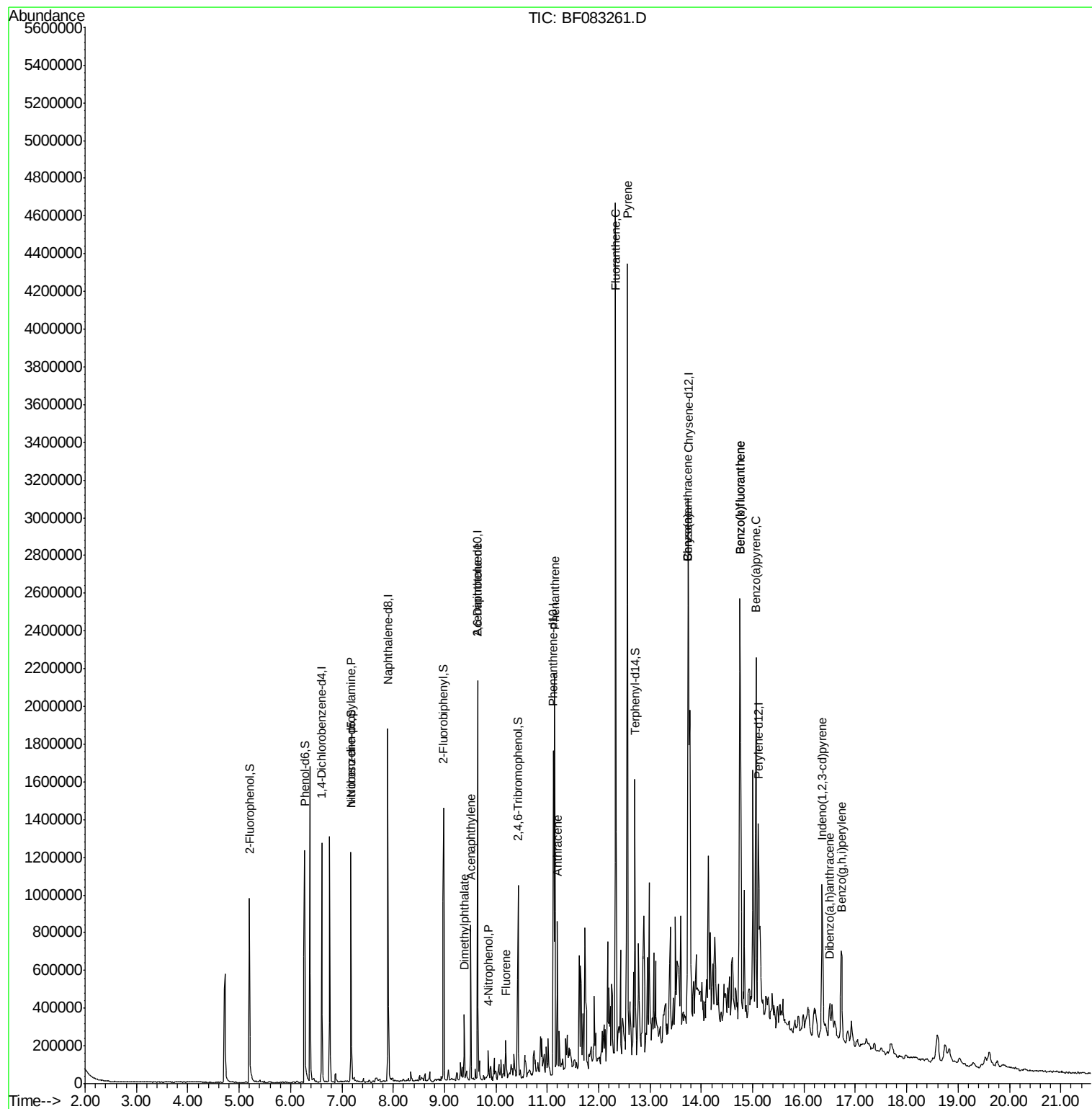
Target Compounds				Qvalue		
9) Benzaldehyde	6.18	77	1756	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.18	70	52868	4.79	ng	# 74
48) Acenaphthylene	9.51	152	340858	8.34	ng	99
49) Dimethylphthalate	9.38	163	131796	4.34	ng	97
50) 2,6-Dinitrotoluene	9.64	165	52475	7.70	ng	# 13
55) 4-Nitrophenol	9.85	139	11843	2.13	ng	# 1
57) Fluorene	10.19	166	75431	2.60	ng	93
70) Phenanthrene	11.14	178	867845	22.67	ng	99
71) Anthracene	11.20	178	384793	9.85	ng	97
74) Fluoranthene	12.33	202	1897859	48.44	ng	97
77) Pyrene	12.56	202	1858191	60.76	ng	99
80) Benzo(a)anthracene	13.74	228	1206503	43.58	ng	# 90
82) Chrysene	13.74	228	1206503	46.99	ng	94
85) Indeno(1,2,3-cd)pyrene	16.35	276	489541	20.96	ng	99
87) Benzo(b)fluoranthene	14.75	252	1615390	46.97	ng	# 94
88) Benzo(k)fluoranthene	14.75	252	1615390	63.04	ng	# 96
89) Benzo(a)pyrene	15.06	252	818714	28.83	ng	# 94
90) Dibenzo(a,h)anthracene	16.50	278	121866	4.72	ng	94
91) Benzo(g,h,i)perylene	16.73	276	389554	15.47	ng	99

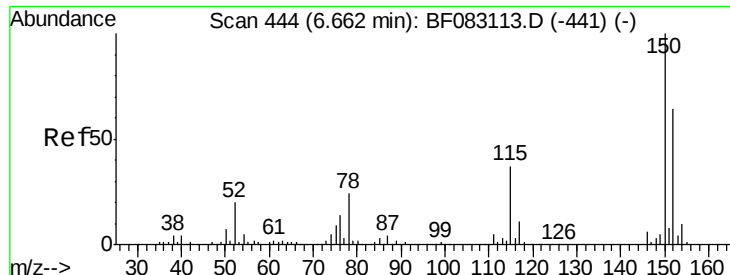
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
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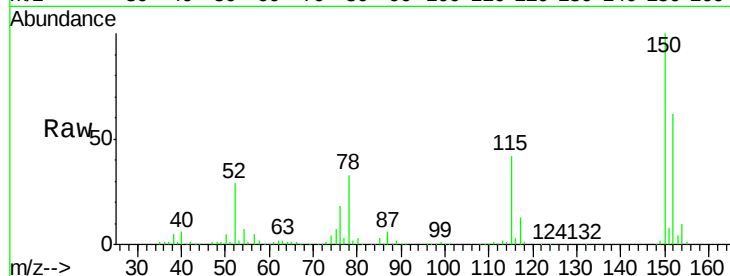




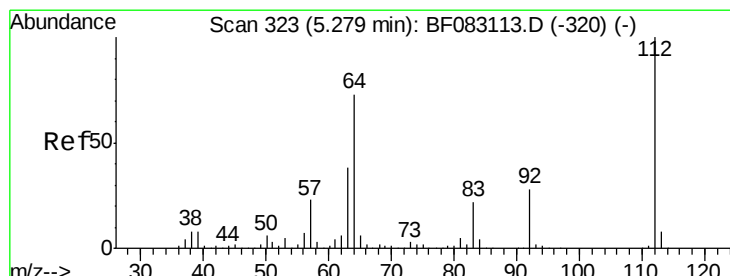
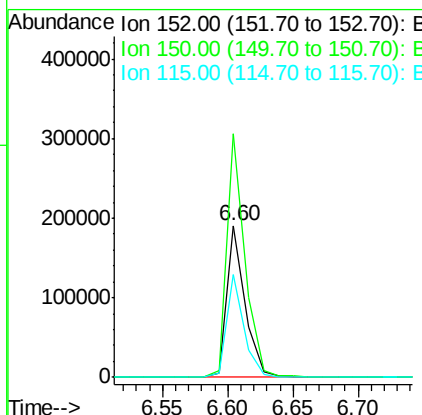
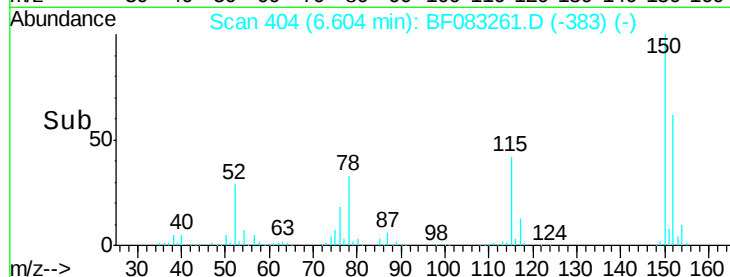
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356RE

Tgt Ion:152 Resp: 185377
 Ion Ratio Lower Upper
 152 100
 150 160.2 125.8 188.8
 115 67.5 46.9 70.3

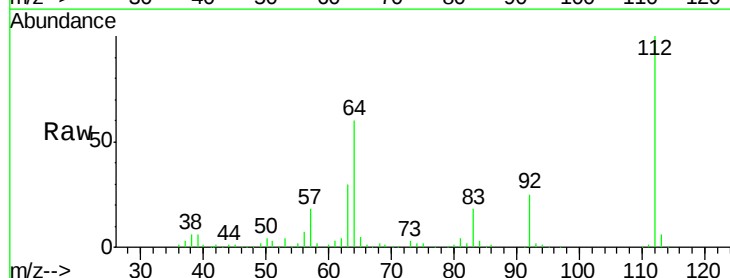


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

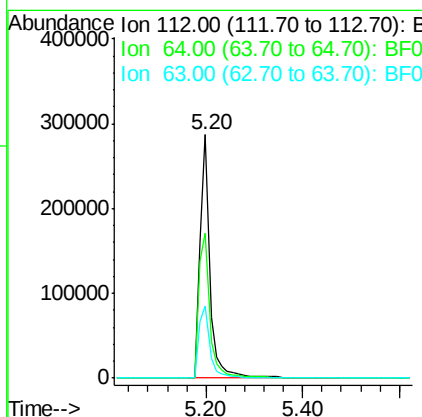
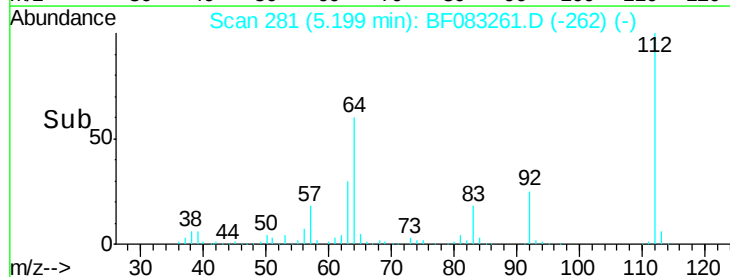


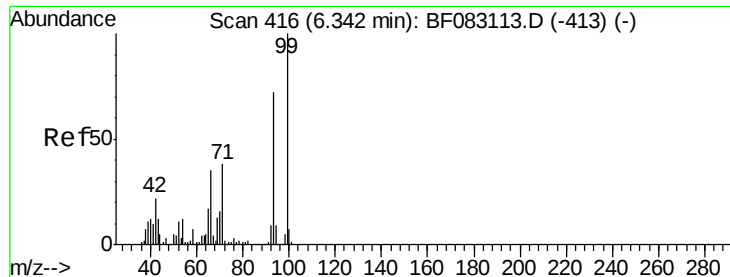
#5
 2-Fluorophenol
 Concen: 33.56 ng
 RT: 5.20 min Scan# 281
 Delta R.T. -0.08 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Tgt Ion:112 Resp: 411515
 Ion Ratio Lower Upper
 112 100
 64 59.6 58.4 87.6
 63 29.5 30.0 45.0#



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: 36.21 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

Instrument :

BNA_F

ClientSampleId :

PM-1356RE

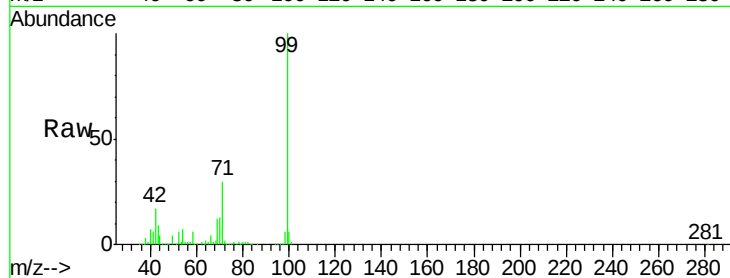
Tgt Ion: 99 Resp: 574411

Ion Ratio Lower Upper

99 100

42 17.1 17.7 26.5#

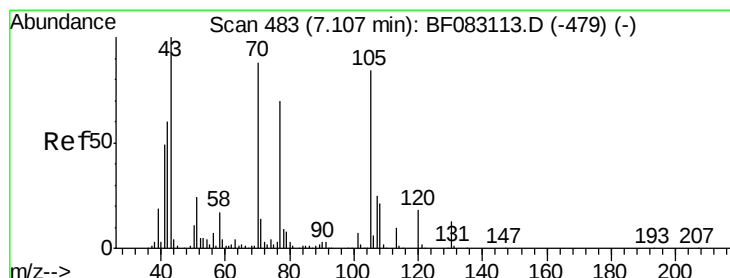
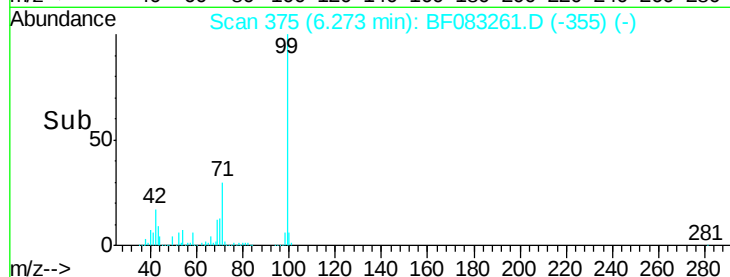
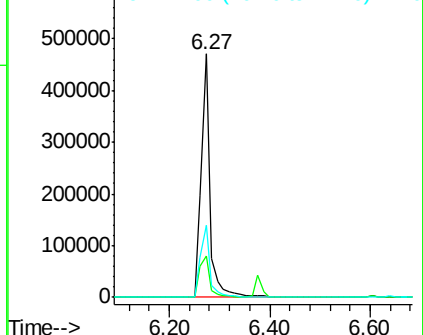
71 29.5 30.2 45.4#



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: 4.79 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

Tgt Ion: 70 Resp: 52868

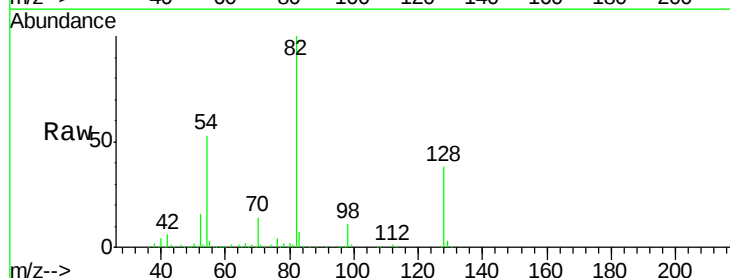
Ion Ratio Lower Upper

70 100

42 47.1 54.5 81.7#

101 0.0 6.6 9.8#

130 1.7 11.5 17.3#

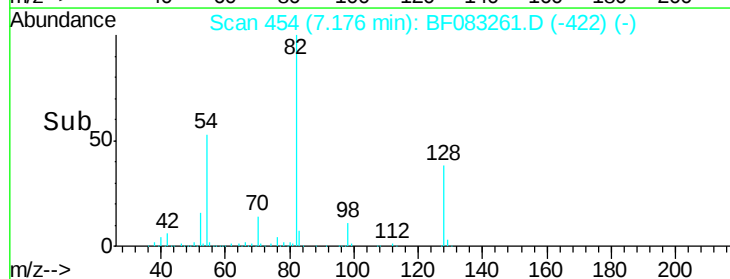
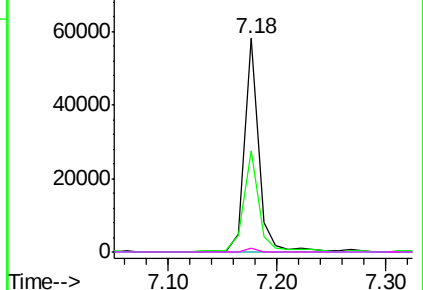


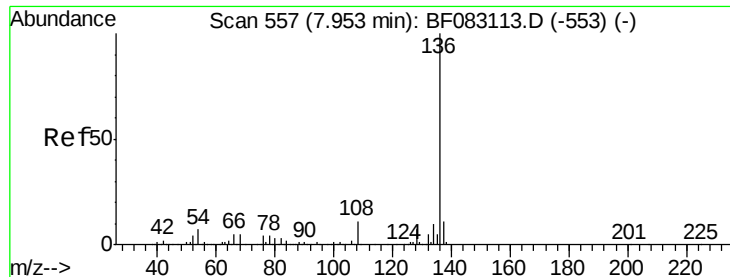
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

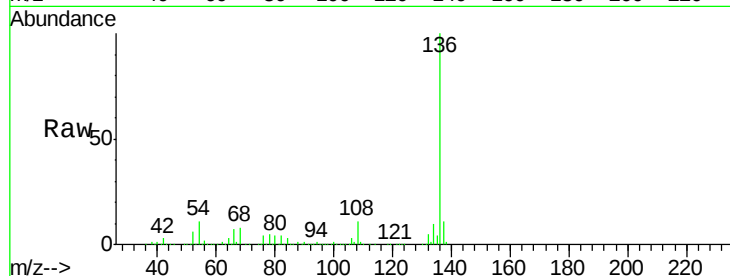




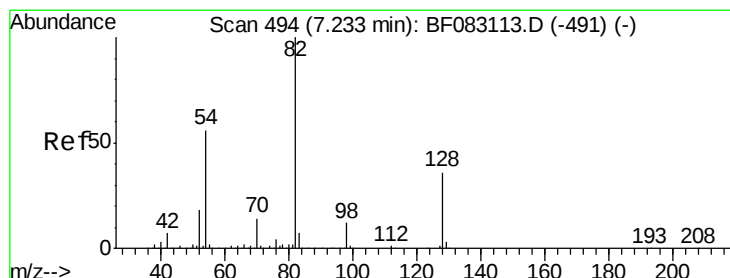
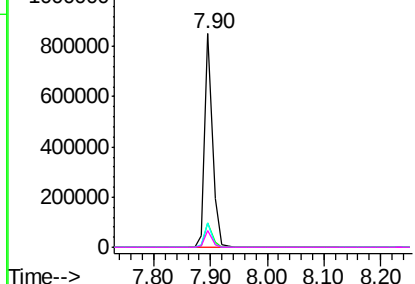
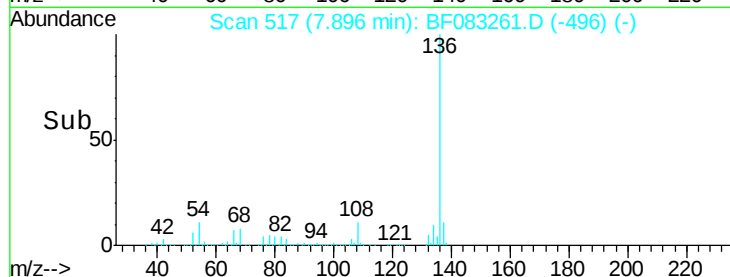
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Instrument :
BNA_F
ClientSampleId :
PM-1356RE

Tgt Ion:	136	Resp:	771493
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.5	5.8	8.6#
68	7.9	3.8	5.8#

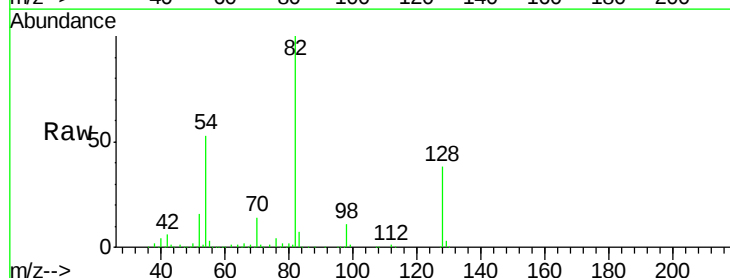


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

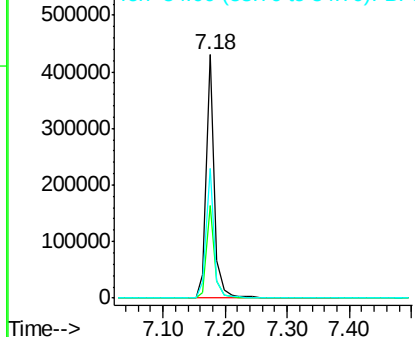
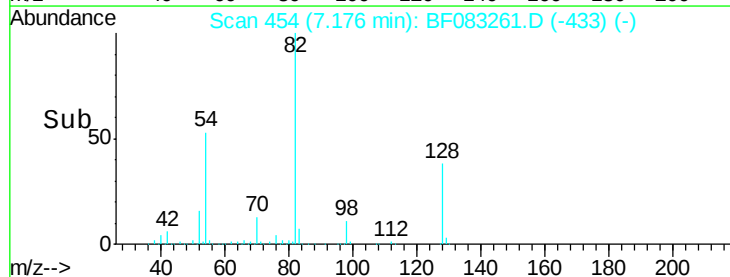


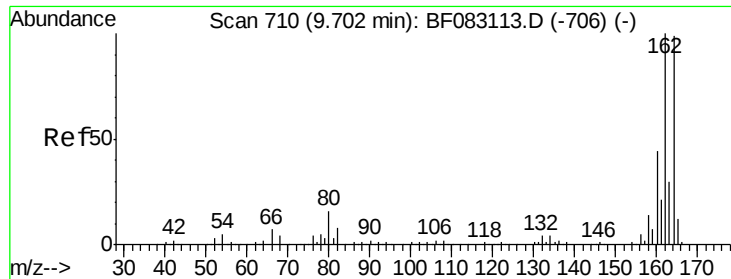
#23
Nitrobenzene-d5
Concen: 23.44 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion:	82	Resp:	395726
Ion	Ratio	Lower	Upper
82	100		
128	37.8	28.5	42.7
54	53.4	44.6	67.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

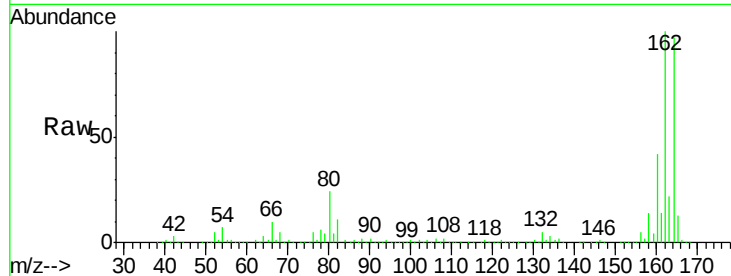




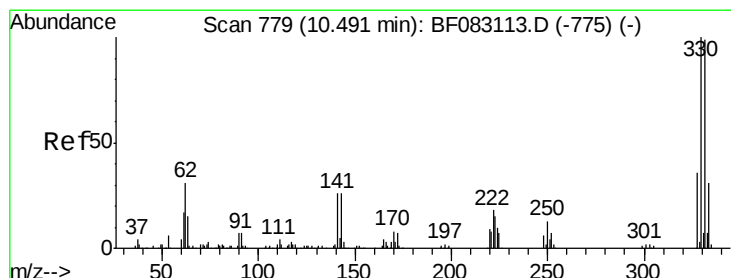
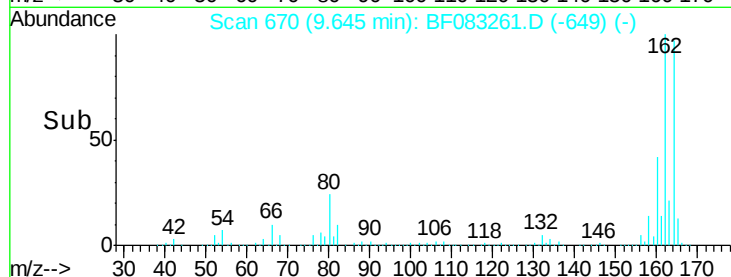
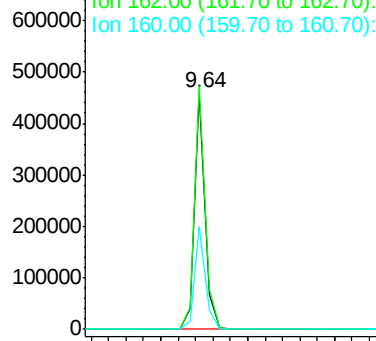
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Instrument :
BNA_F
ClientSampleId :
PM-1356RE

Tgt Ion:164 Resp: 394316
Ion Ratio Lower Upper
164 100
162 103.1 81.2 121.8
160 43.7 35.6 53.4

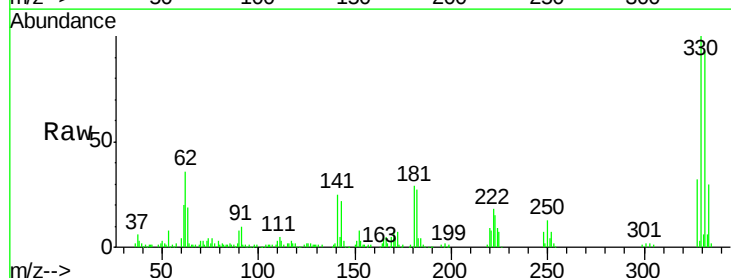


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

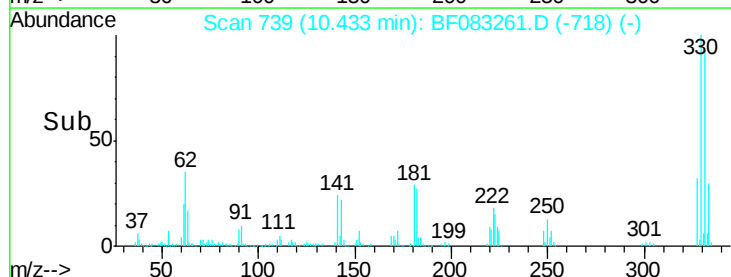
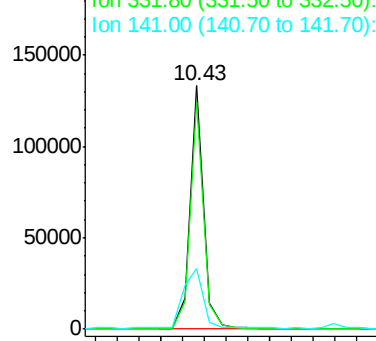


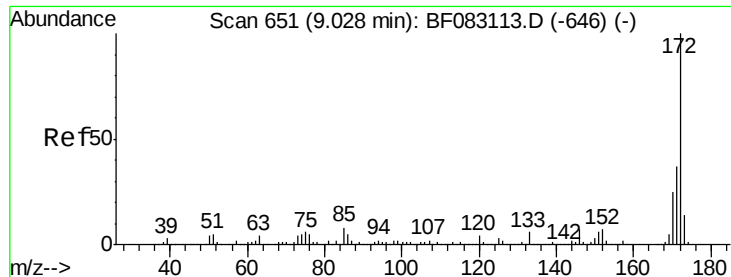
#41
2,4,6-Tribromophenol
Concen: 28.87 ng
RT: 10.43 min Scan# 739
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion:330 Resp: 116477
Ion Ratio Lower Upper
330 100
332 92.5 77.7 116.5
141 38.5 29.7 44.5



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

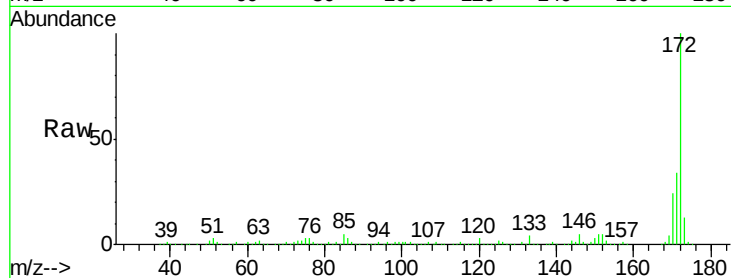




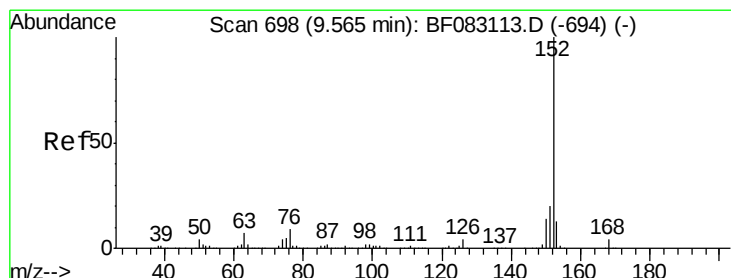
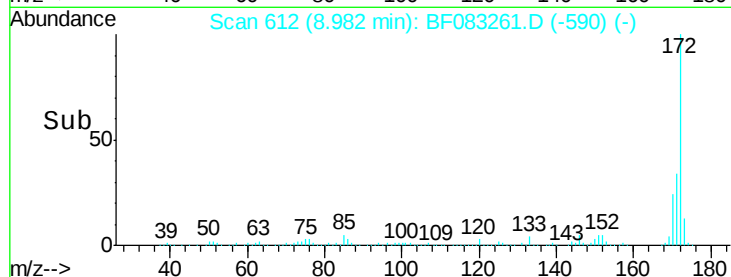
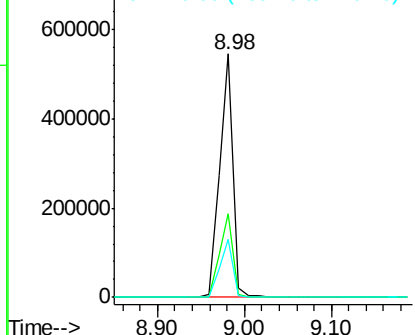
#44
 2-Fluorobiphenyl
 Concen: 20.90 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Instrument :
 BNA_F
 ClientSampleId :
 PM-1356RE

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.5	44.3
170	23.6	19.9	29.9

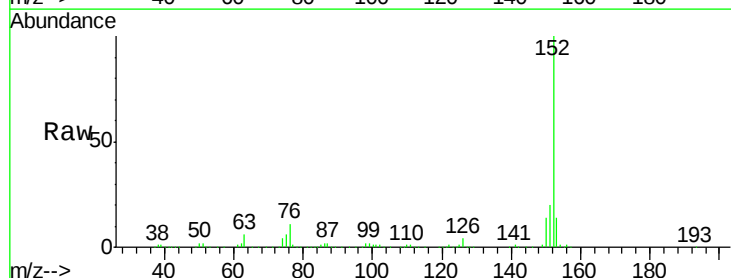


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

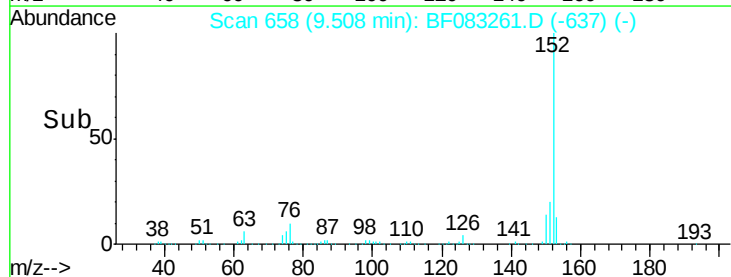
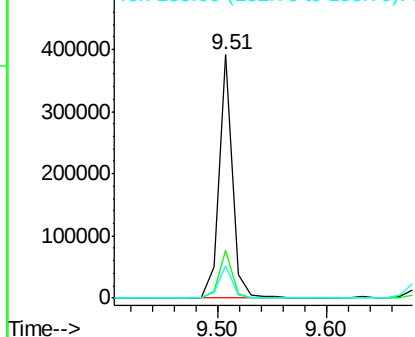


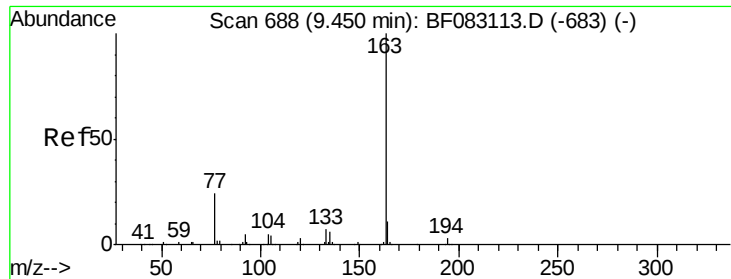
#48
 Acenaphthylene
 Concen: 8.34 ng
 RT: 9.51 min Scan# 658
 Delta R.T. -0.06 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.6	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

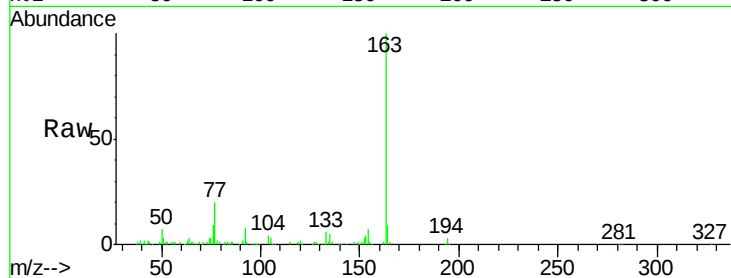




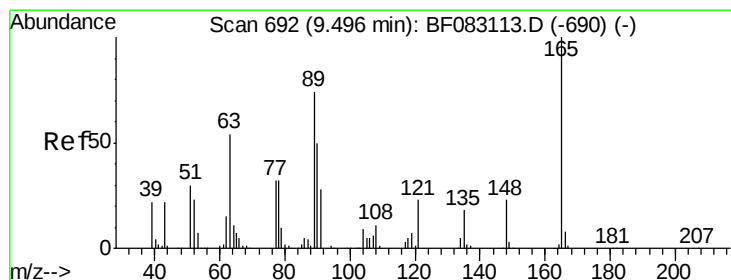
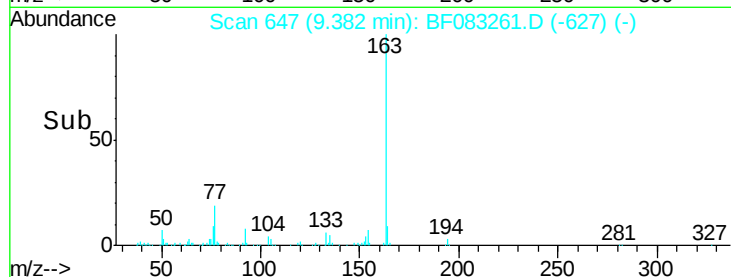
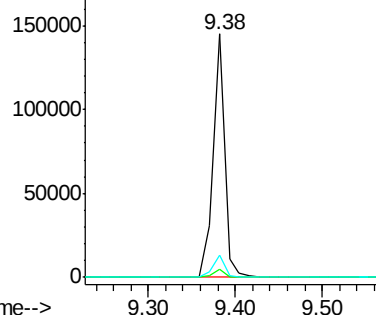
#49
Dimethylphthalate
Concen: 4.34 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Instrument :
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ClientSampleId :
PM-1356RE

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.3	8.6	12.8

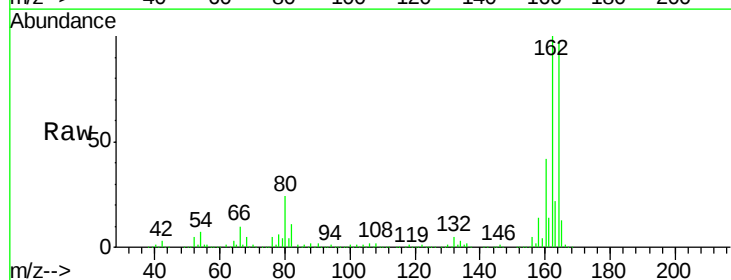


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

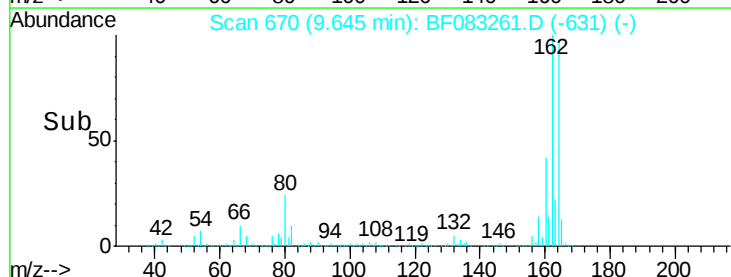
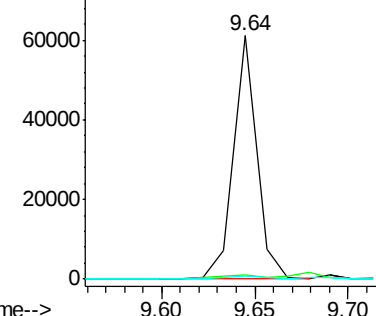


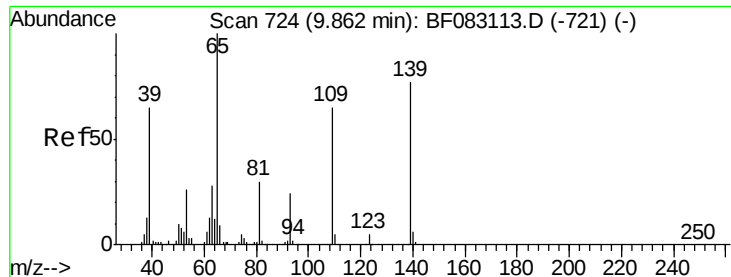
#50
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 9.64 min Scan# 670
Delta R.T. 0.15 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	62.5	93.7#
89	1.2	59.1	88.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

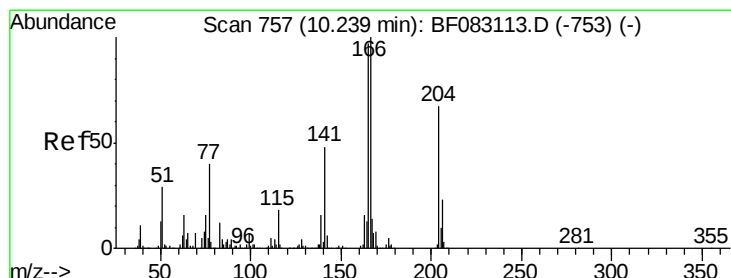
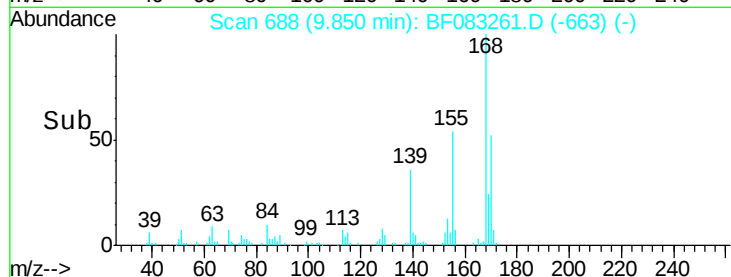
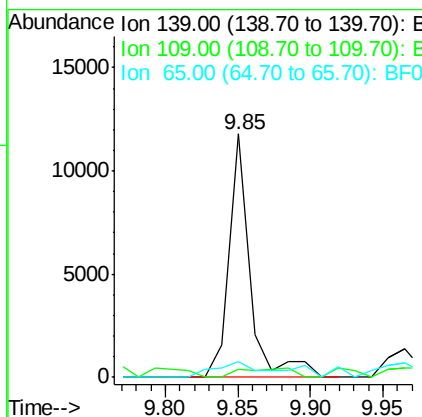
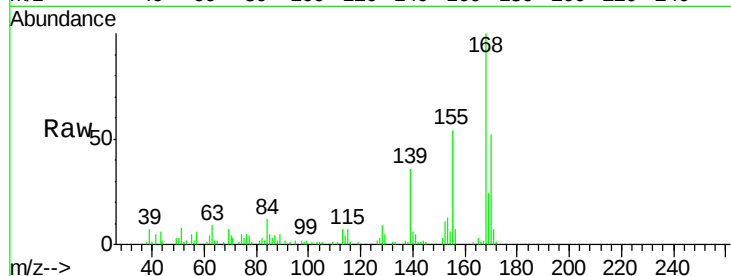




#55
4-Nitrophenol
Concen: 2.13 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

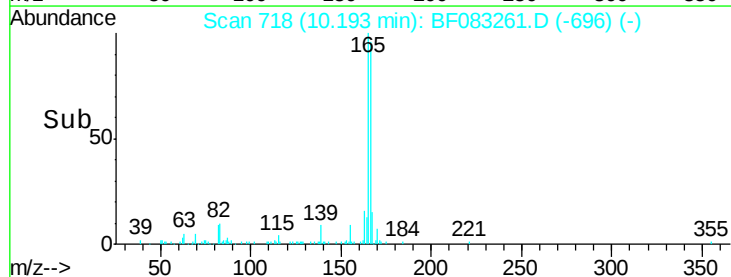
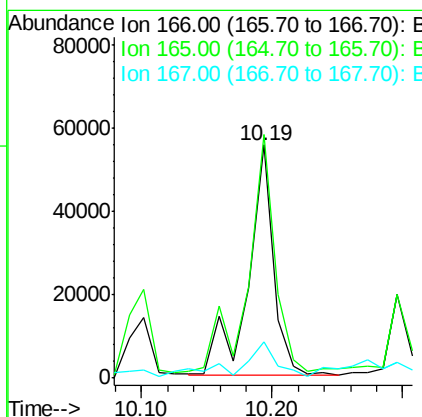
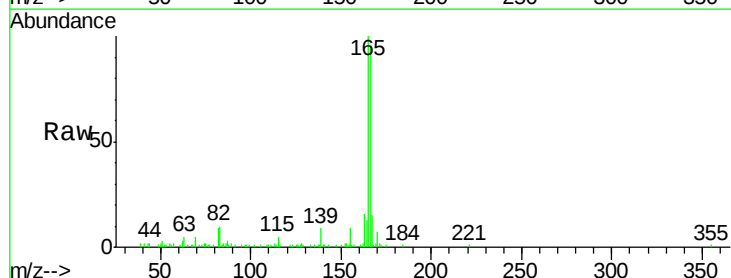
Instrument :
BNA_F
ClientSampleId :
PM-1356RE

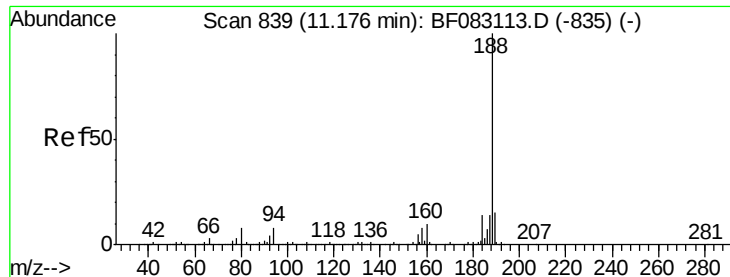
Tgt Ion:139 Resp: 11843
Ion Ratio Lower Upper
139 100
109 3.4 64.0 104.0#
65 6.7 109.5 149.5#



#57
Fluorene
Concen: 2.60 ng
RT: 10.19 min Scan# 718
Delta R.T. -0.05 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion:166 Resp: 75431
Ion Ratio Lower Upper
166 100
165 104.6 78.0 117.0
167 15.8 11.3 16.9

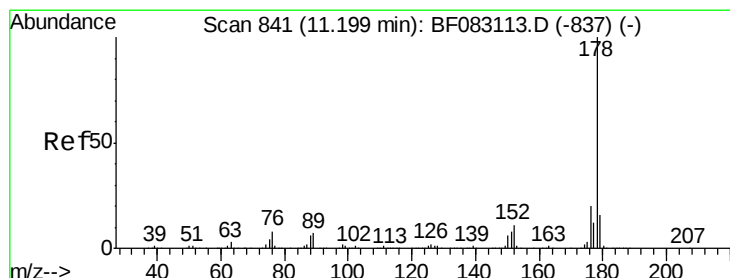
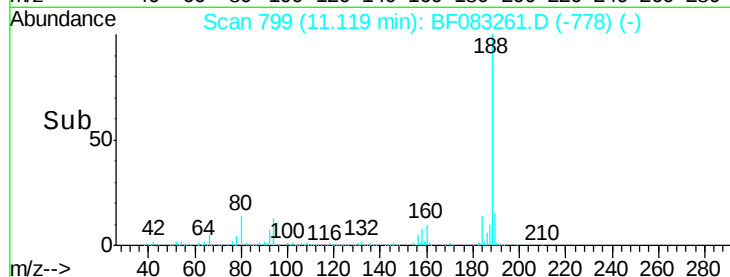
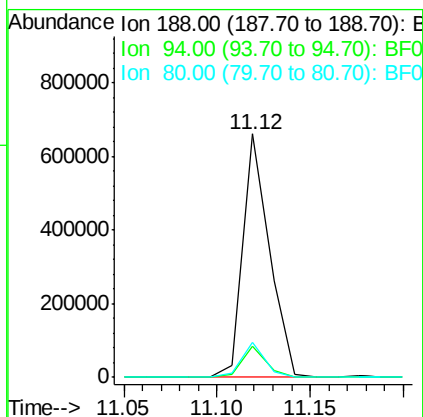
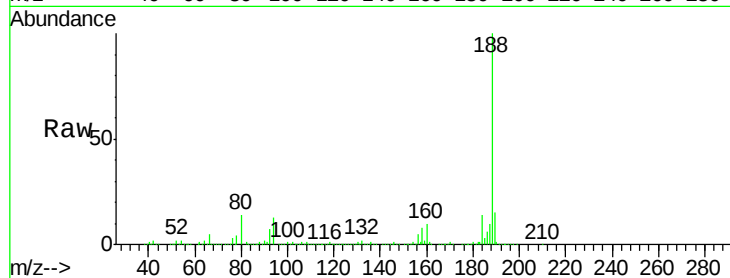




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

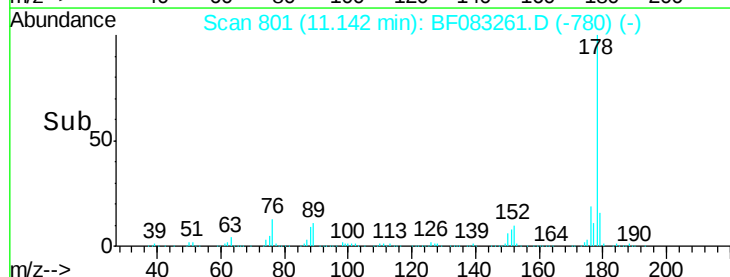
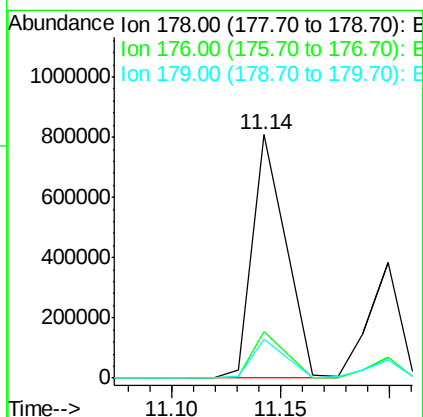
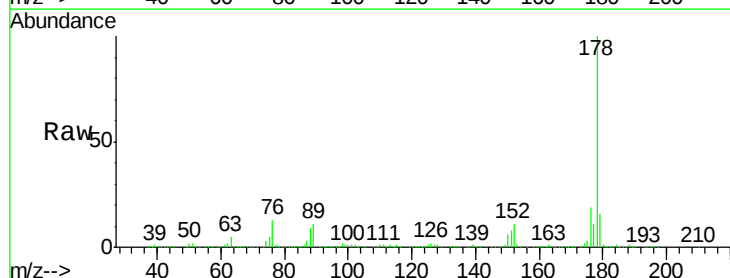
Instrument :
BNA_F
ClientSampleId :
PM-1356RE

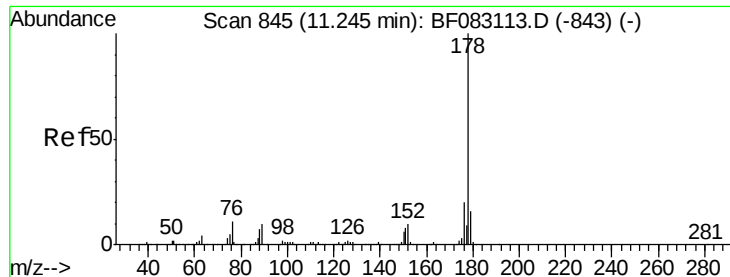
Tgt Ion:188 Resp: 664496
Ion Ratio Lower Upper
188 100
94 12.8 6.0 9.0#
80 14.4 6.7 10.1#



#70
Phenanthrene
Concen: 22.67 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion:178 Resp: 867845
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 16.0 12.8 19.2

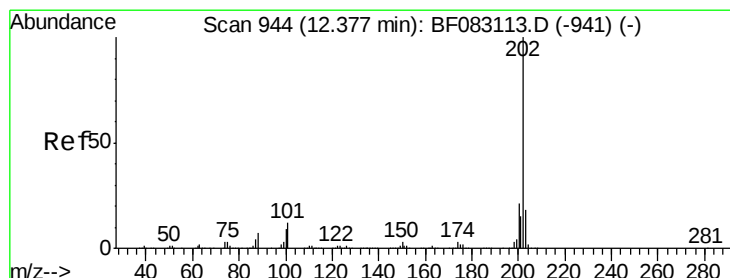
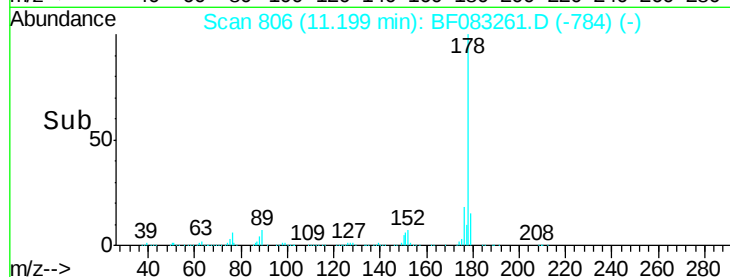
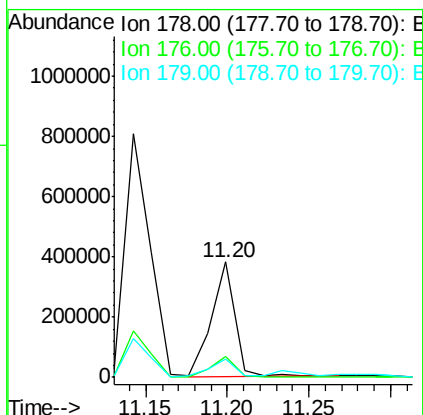
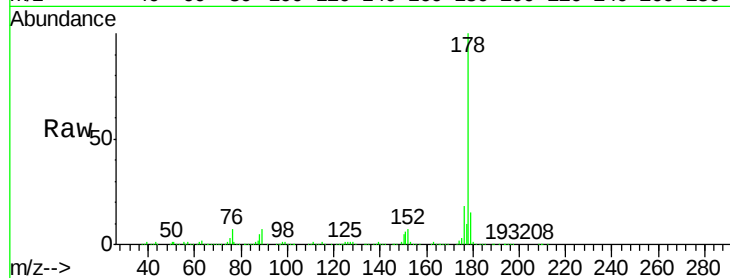




#71
 Anthracene
 Concen: 9.85 ng
 RT: 11.20 min Scan# 806
 Delta R.T. -0.05 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

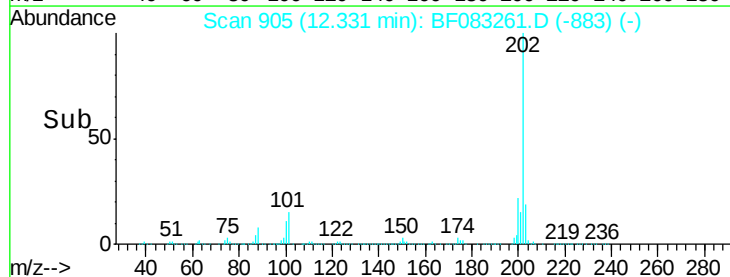
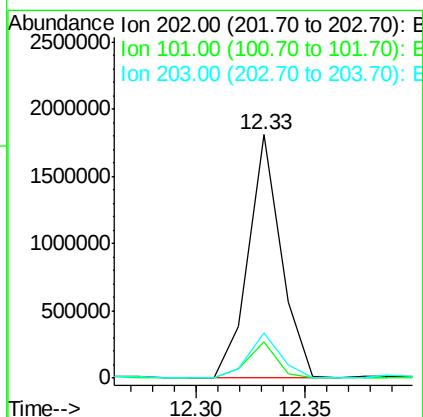
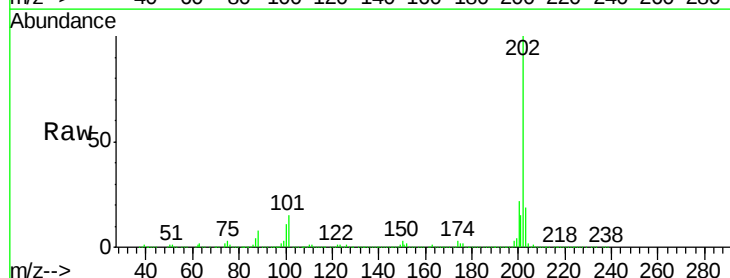
Instrument :
 BNA_F
 ClientSampleId :
 PM-1356RE

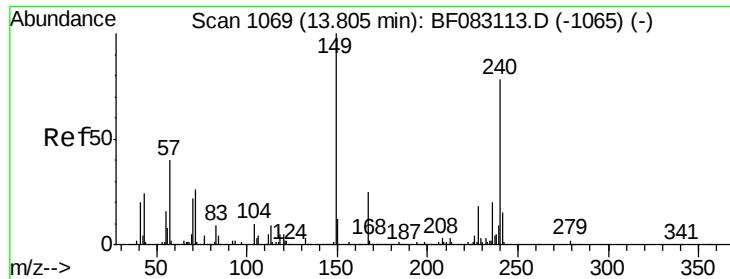
Tgt Ion:178 Resp: 384793
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 15.4 13.2 19.8



#74
 Fluoranthene
 Concen: 48.44 ng
 RT: 12.33 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Tgt Ion:202 Resp: 1897859
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 32.3
 203 18.8 0.0 38.4

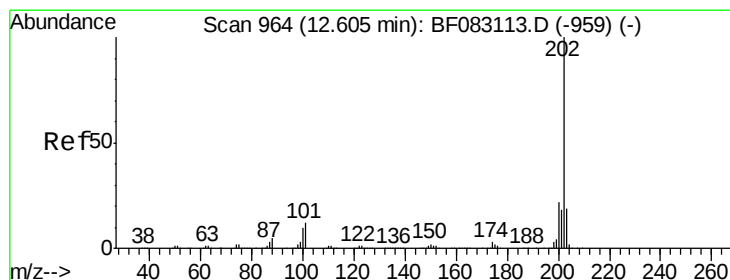
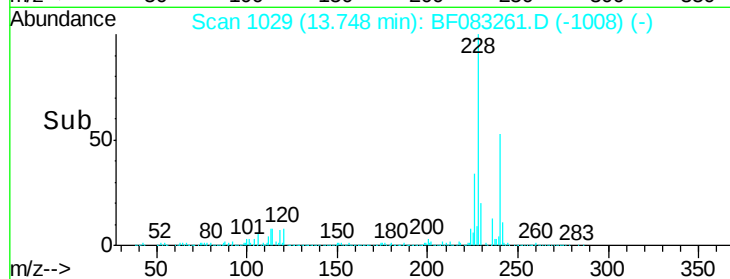
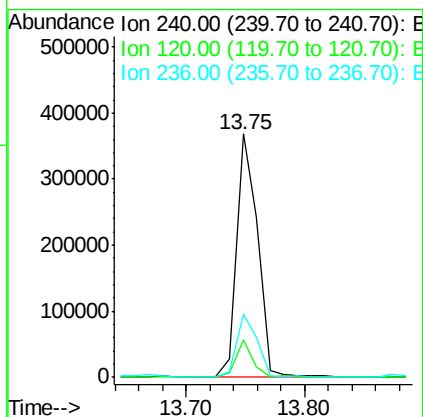
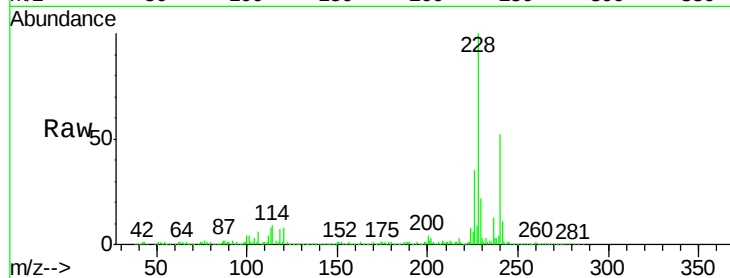




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

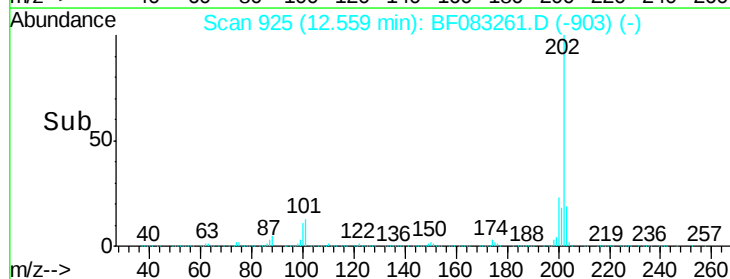
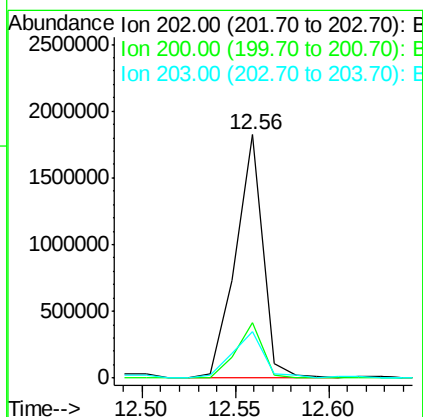
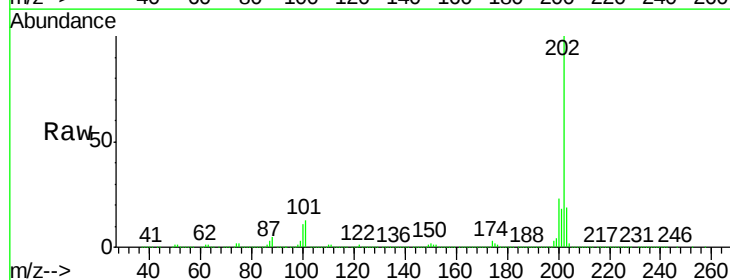
Instrument :
BNA_F
ClientSampleId :
PM-1356RE

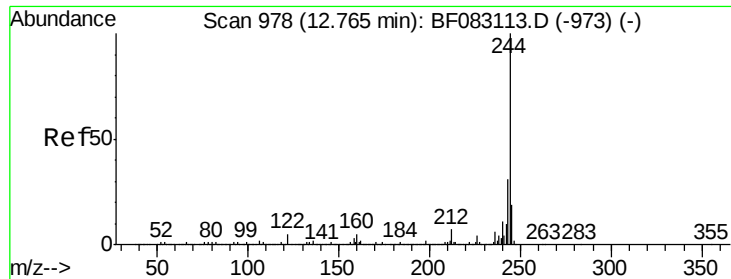
Tgt Ion:240 Resp: 447650
Ion Ratio Lower Upper
240 100
120 15.5 5.4 8.2#
236 25.9 20.6 31.0



#77
Pyrene
Concen: 60.76 ng
RT: 12.56 min Scan# 925
Delta R.T. -0.05 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion:202 Resp: 1858191
Ion Ratio Lower Upper
202 100
200 22.7 17.8 26.6
203 19.0 15.0 22.4

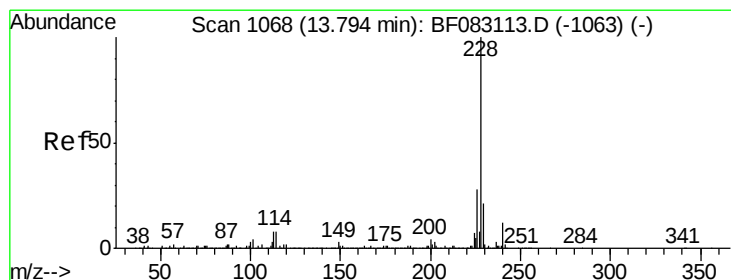
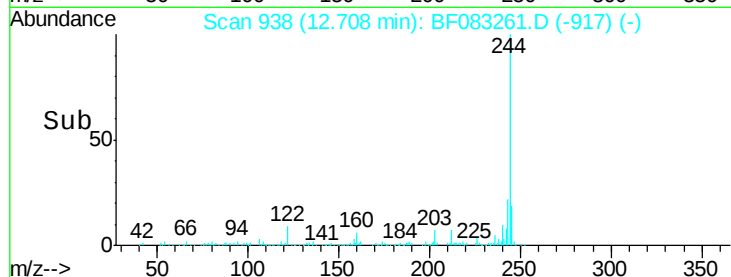
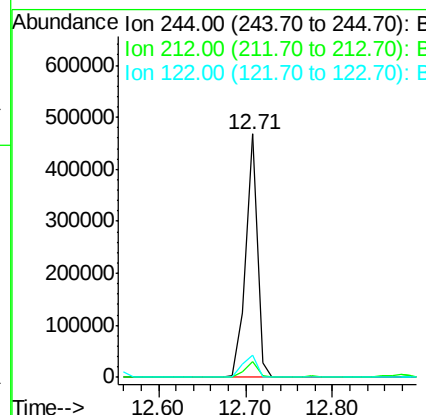
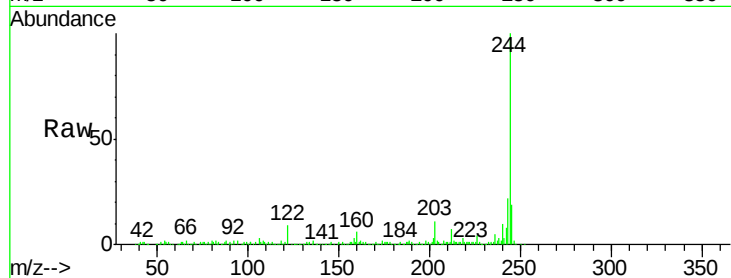




#78
 Terphenyl-d14
 Concen: 22.64 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

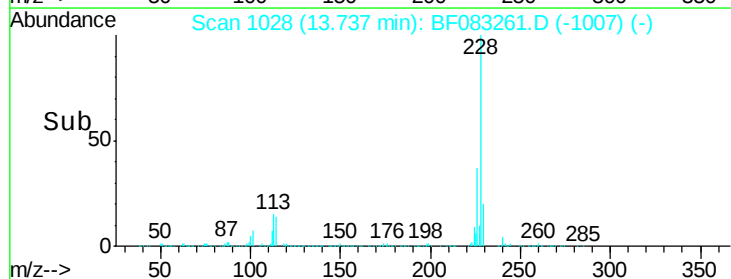
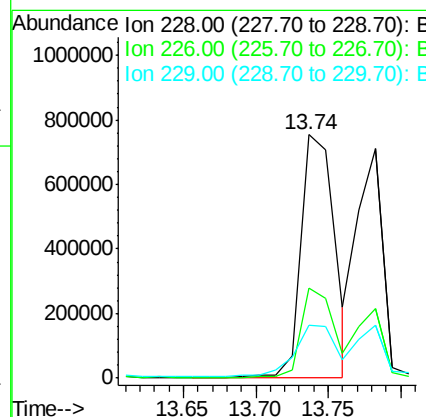
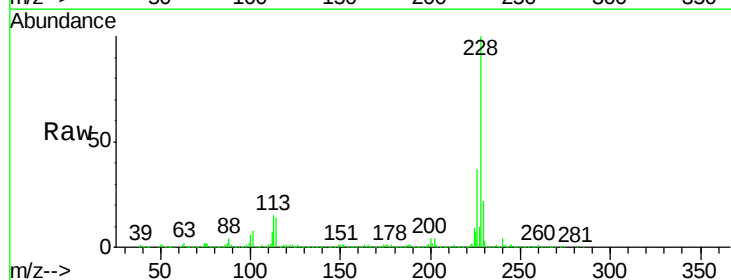
Instrument :
 BNA_F
 ClientSampleId :
 PM-1356RE

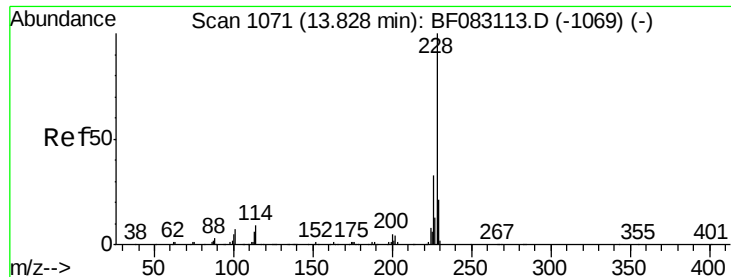
Tgt Ion:244 Resp: 430401
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 9.0 4.3 6.5#



#80
 Benzo(a)anthracene
 Concen: 43.58 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083261.D
 Acq: 25 Nov 2015 3:03

Tgt Ion:228 Resp: 1206503
 Ion Ratio Lower Upper
 228 100
 226 37.0 22.6 33.8#
 229 21.7 16.6 24.8





#82

Chrysene

Concen: 46.99 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.09 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

Instrument :

BNA_F

ClientSampleId :

PM-1356RE

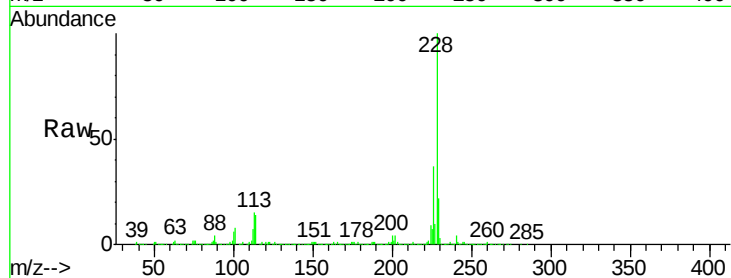
Tgt Ion:228 Resp: 1206503

Ion Ratio Lower Upper

228 100

226 37.0 25.5 38.3

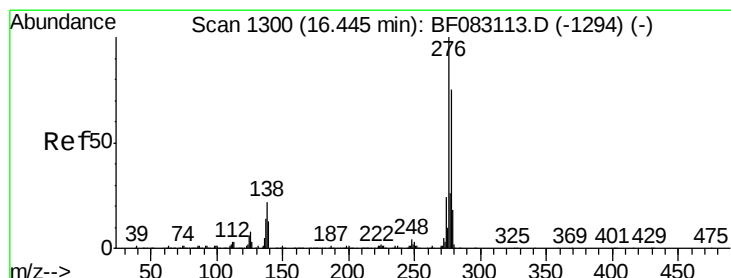
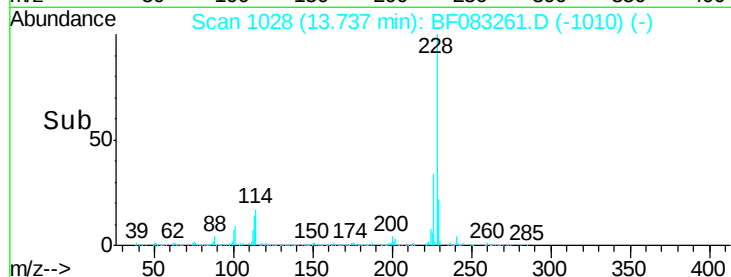
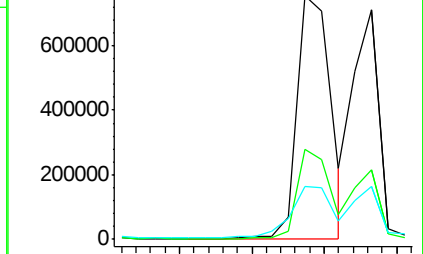
229 21.7 16.6 25.0



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: 20.96 ng

RT: 16.35 min Scan# 1257

Delta R.T. -0.09 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

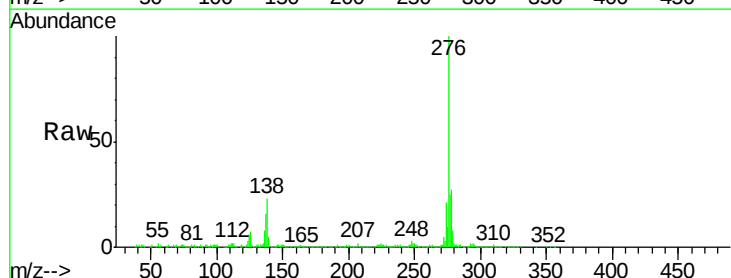
Tgt Ion:276 Resp: 489541

Ion Ratio Lower Upper

276 100

138 22.2 18.0 27.0

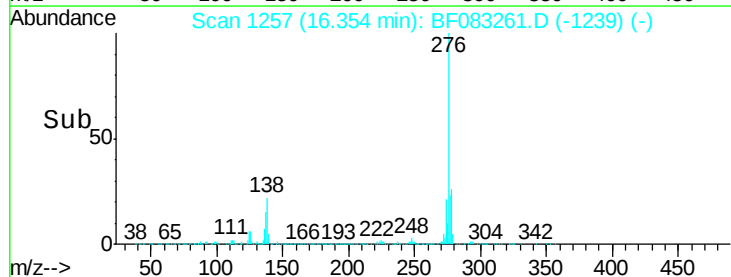
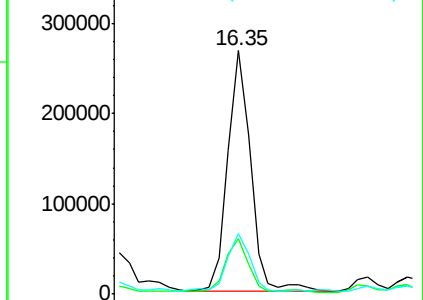
277 24.6 20.2 30.4

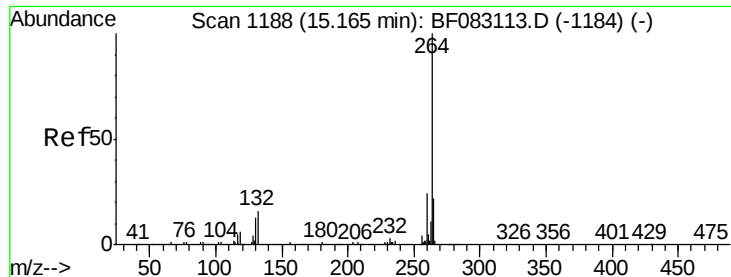


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

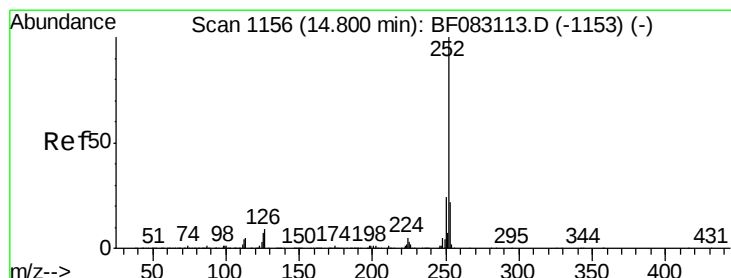
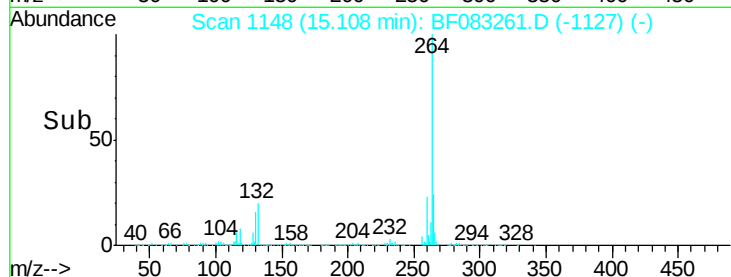
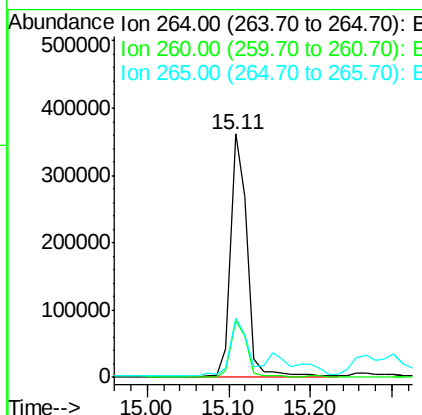
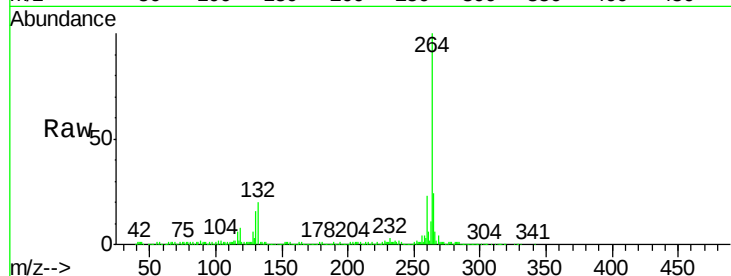




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

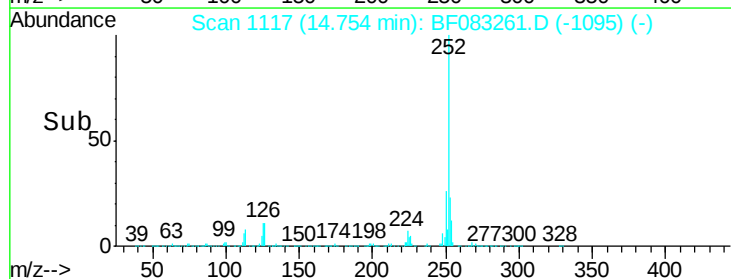
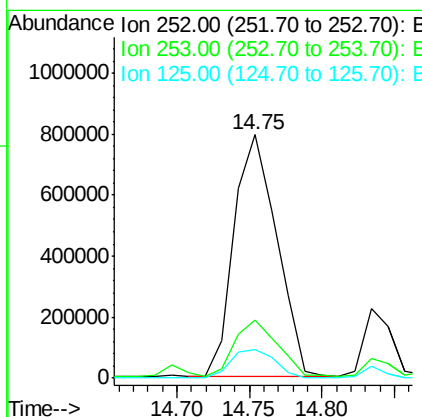
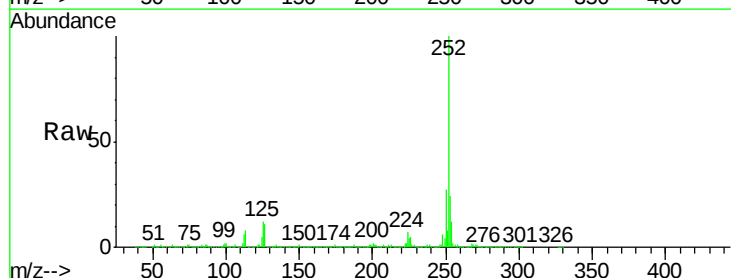
Instrument :
BNA_F
ClientSampleId :
PM-1356RE

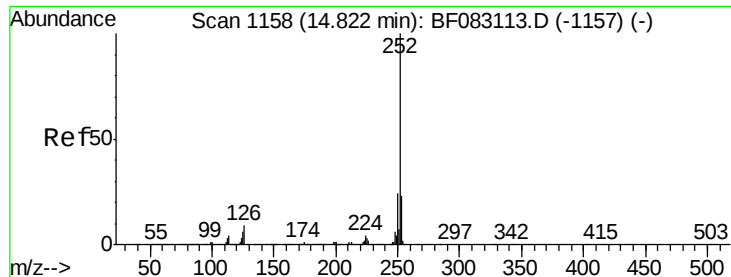
Tgt Ion: 264 Resp: 503355
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 24.2 18.2 27.4



#87
Benzo(b)fluoranthene
Concen: 46.97 ng
RT: 14.75 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion: 252 Resp: 1615390
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 11.5 5.6 8.4#





#88

Benzo(k)fluoranthene

Concen: 63.04 ng

RT: 14.75 min Scan# 1117

Delta R.T. -0.07 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

Instrument :

BNA_F

ClientSampleId :

PM-1356RE

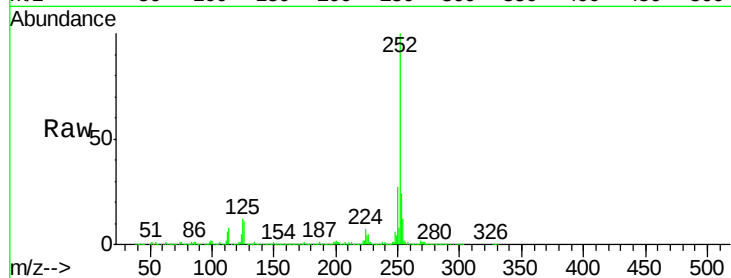
Tgt Ion:252 Resp: 1615390

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

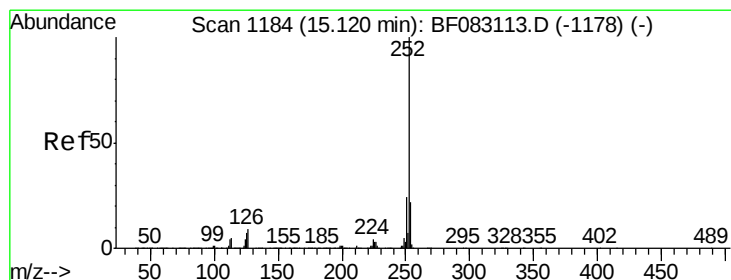
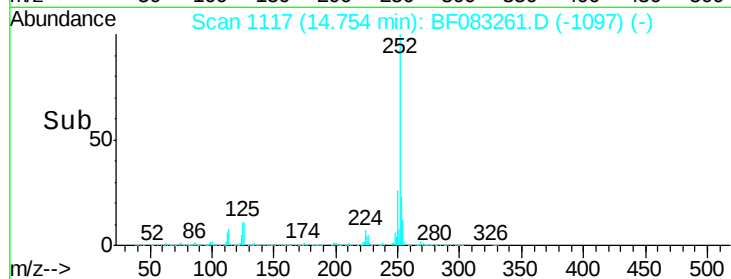
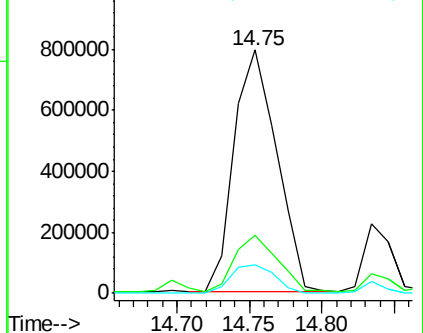
125 11.5 6.8 10.2#



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: 28.83 ng

RT: 15.06 min Scan# 1144

Delta R.T. -0.06 min

Lab File: BF083261.D

Acq: 25 Nov 2015 3:03

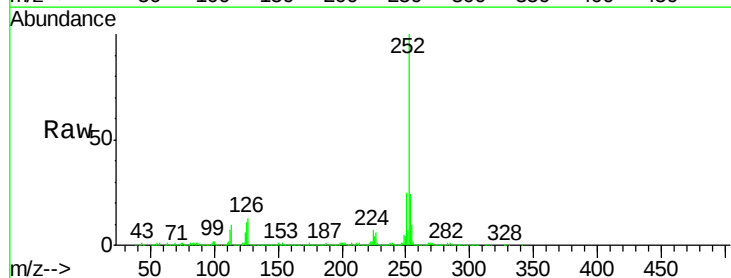
Tgt Ion:252 Resp: 818714

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

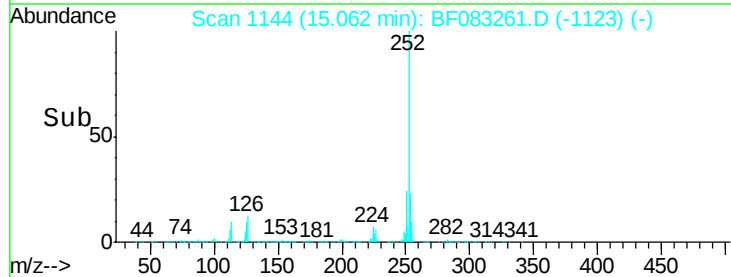
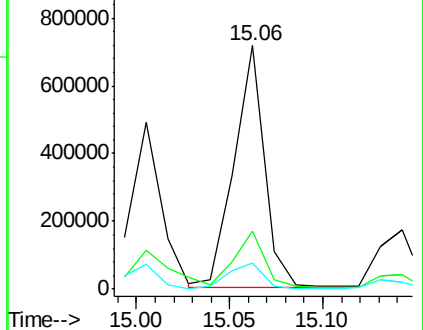
125 10.5 5.4 8.0#

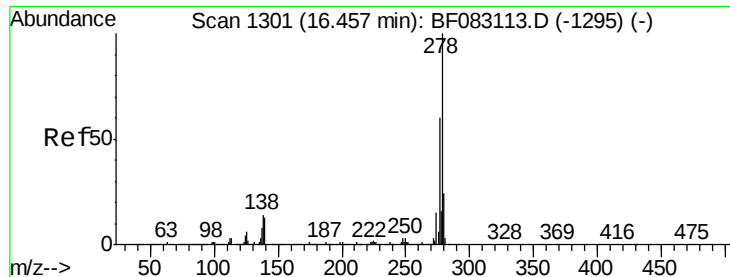


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



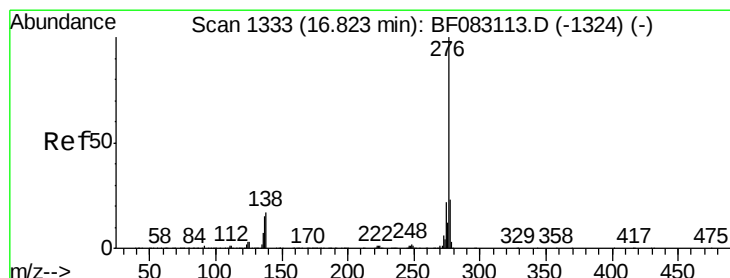
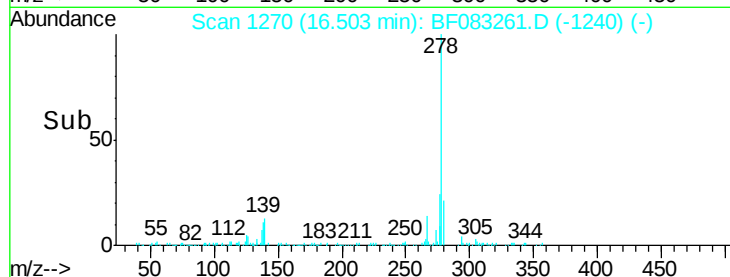
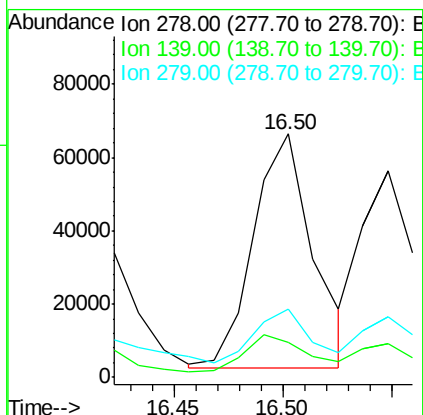
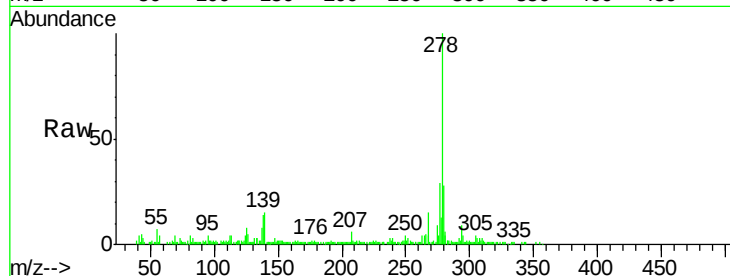


#90
Dibenzo(a,h)anthracene
Concen: 4.72 ng
RT: 16.50 min Scan# 1270
Delta R.T. 0.05 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Instrument :
BNA_F
ClientSampleId :
PM-1356RE

Tgt Ion: 278 Resp: 121866

Ion	Ratio	Lower	Upper
278	100		
139	14.5	10.7	16.1
279	28.3	19.3	28.9



#91
Benzo(g,h,i)perylene
Concen: 15.47 ng
RT: 16.73 min Scan# 1290
Delta R.T. -0.09 min
Lab File: BF083261.D
Acq: 25 Nov 2015 3:03

Tgt Ion: 276 Resp: 389554

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	18.7	13.9	20.9

