

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083467.D
 Acq On : 3 Dec 2015 18:48
 Operator : UM/IZ
 Sample : G4585-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 19:17:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 03 17:02:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	173483	20.00	ng	-0.01
21) Naphthalene-d8	7.81	136	675202	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	333242	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	543018	20.00	ng	0.01
75) Chrysene-d12	14.74	240	365023	20.00	ng	0.02
86) Perylene-d12	16.80	264	346613	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1516211	131.15	ng	0.00
7) Phenol-d6	6.20	99	1953222	123.43	ng	0.00
23) Nitrobenzene-d5	7.10	82	1358781	88.46	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	366334	109.51	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	1795523	76.78	ng	0.00
78) Terphenyl-d14	13.20	244	1590411	103.91	ng	0.01

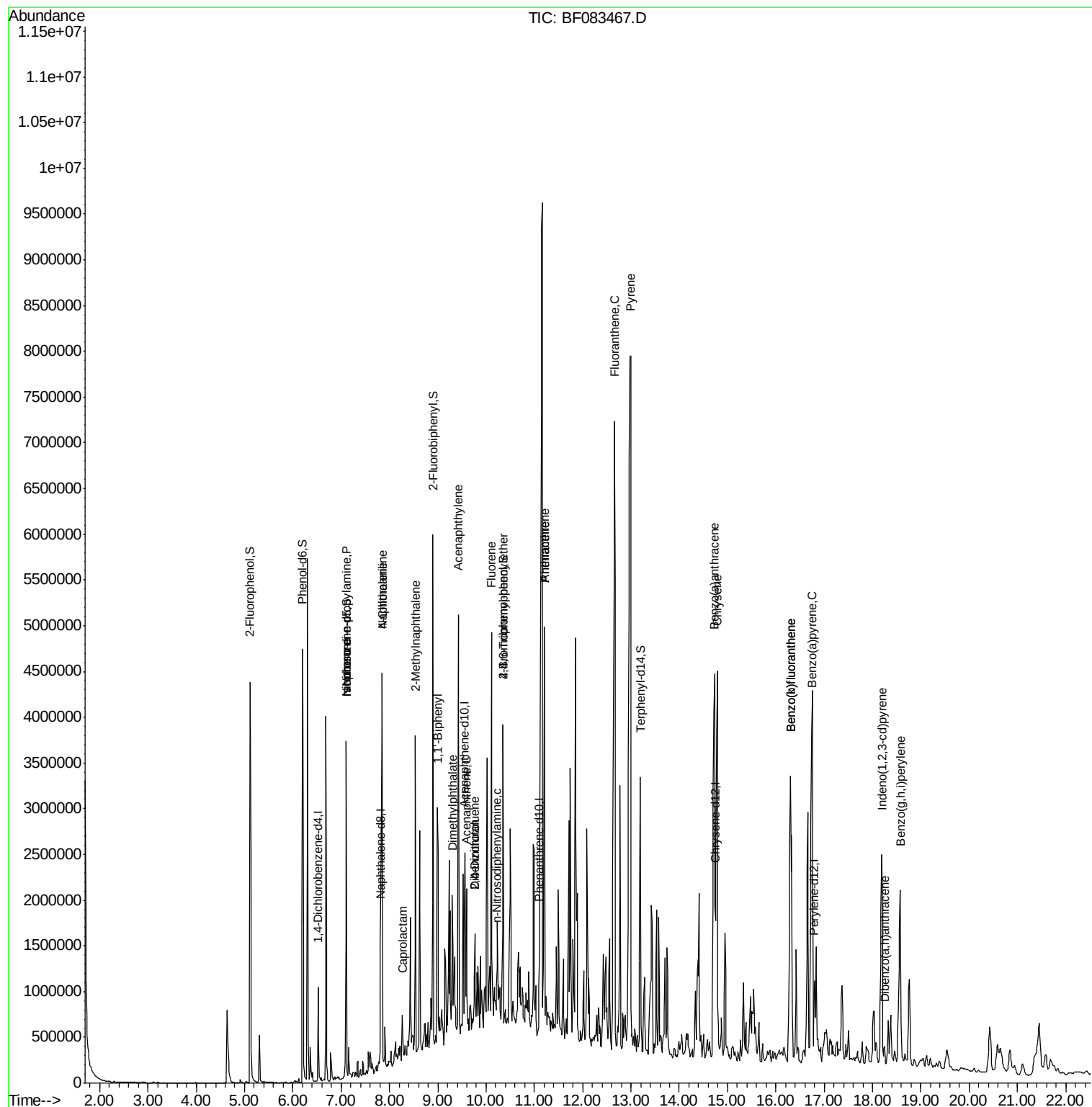
Target Compounds				Qvalue			
9) Benzaldehyde	6.12	77	6225	Below Cal	#	1	
19) n-Nitroso-di-n-propylamine	7.10	70	196286	17.35	ng	#	81
25) Isophorone	7.10	82	971659	32.66	ng	#	70
31) Naphthalene	7.85	128	2743922	74.90	ng		99
33) 4-Chloroaniline	7.85	127	383678	24.29	ng	#	34
35) Caprolactam	8.27	113	11740	3.44	ng	#	1
37) 2-Methylnaphthalene	8.53	142	916198	37.42	ng		98
45) 1,1'-Biphenyl	8.99	154	457834	15.67	ng		95
48) Acenaphthylene	9.42	152	2747490	77.35	ng		98
49) Dimethylphthalate	9.30	163	225680	8.33	ng		98
51) Acenaphthene	9.60	154	351040	16.80	ng		99
54) Dibenzofuran	9.77	168	188282	6.15	ng	#	88
56) 2,4-Dinitrotoluene	9.77	165	19126	2.61	ng	#	51
57) Fluorene	10.11	166	1369672	56.65	ng		99
65) n-Nitrosodiphenylamine	10.22	169	60913	3.19	ng	#	60
66) 4-Bromophenyl-phenylether	10.35	248	21904	3.69	ng	#	1
70) Phenanthrene	11.21	178	2367753	73.68	ng		97
71) Anthracene	11.21	178	2367753	73.19	ng		98
74) Fluoranthene	12.66	202	6524408	195.87	ng		97
77) Pvrene	12.99	202	8451102	331.52	ng		93
80) Benzo(a)anthracene	14.73	228	3442204	153.92	ng		93
82) Chrysene	14.79	228	2643290	122.34	ng		97
85) Indeno(1,2,3-cd)pyrene	18.19	276	1817648	115.51	ng		95
87) Benzo(b)fluoranthene	16.31	252	4050004	182.10	ng		99
88) Benzo(k)fluoranthene	16.31	252	4050004	192.85	ng	#	96
89) Benzo(a)pyrene	16.74	252	3425576	179.32	ng	#	95
90) Dibenzo(a,h)anthracene	18.25	278	114734	6.89	ng		98
91) Benzo(g,h,i)perylene	18.58	276	2058074	125.98	ng		99

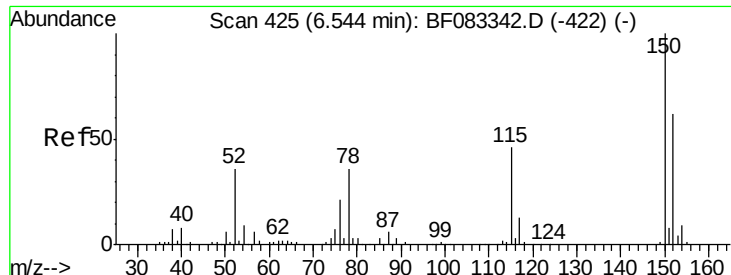
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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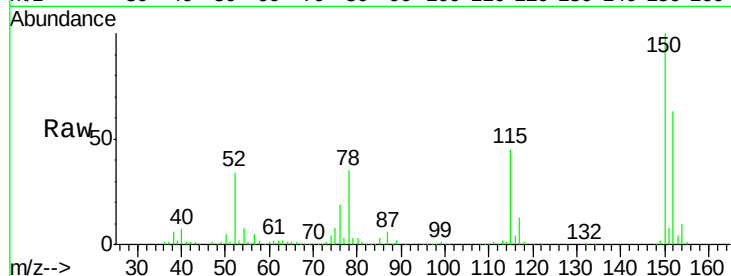


#1

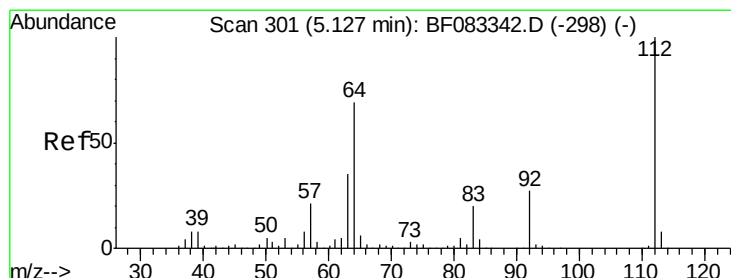
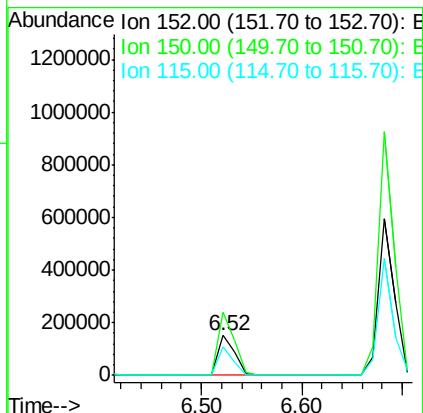
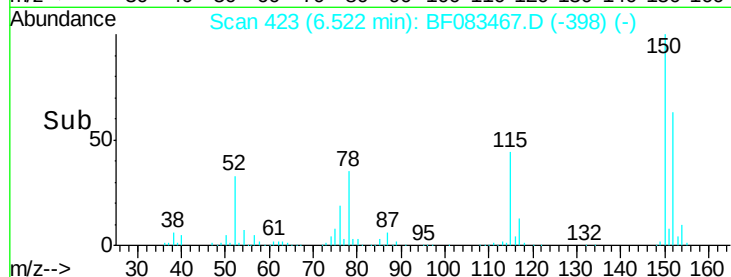
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173483
Ion Ratio Lower Upper
152 100
150 159.2 129.8 194.8
115 71.1 59.2 88.8



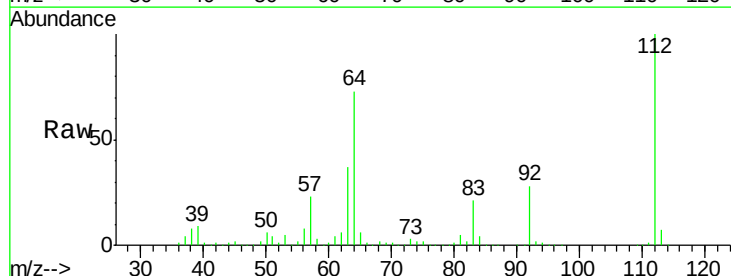
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



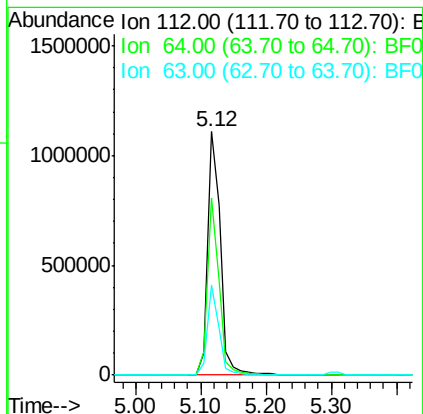
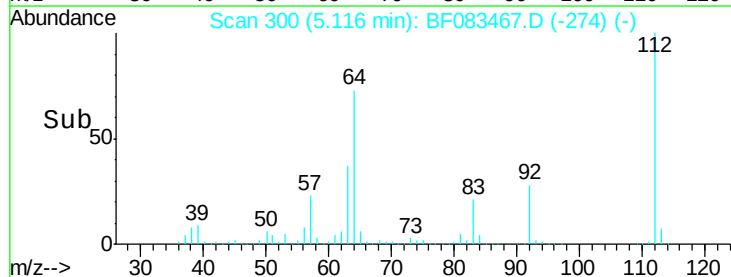
#5

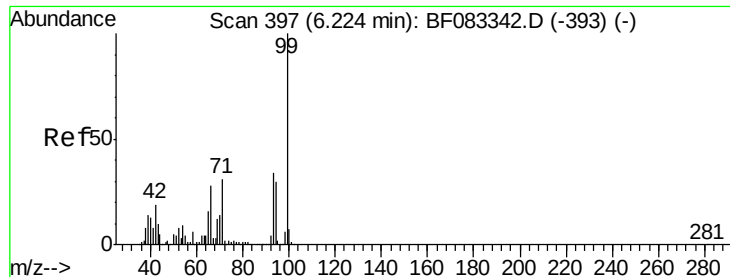
2-Fluorophenol
Concen: 131.15 ng
RT: 5.12 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:112 Resp: 1516211
Ion Ratio Lower Upper
112 100
64 72.5 55.6 83.4
63 36.8 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: 123.43 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

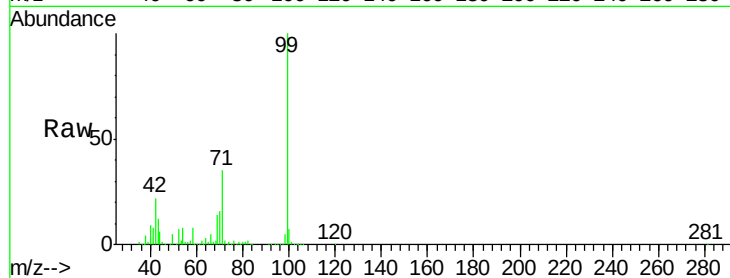
Tot Ion: 99 Resp: 1953222

Ion Ratio Lower Upper

99 100

42 22.3 14.9 22.3

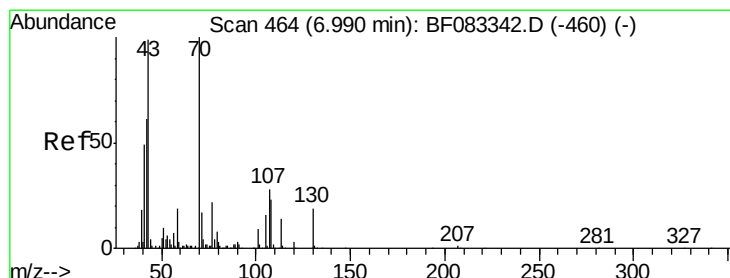
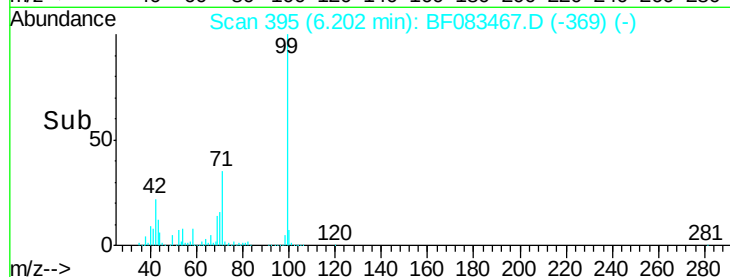
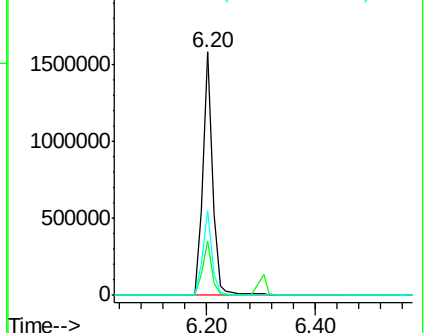
71 35.1 24.7 37.1



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: 17.35 ng

RT: 7.10 min Scan# 474

Delta R.T. 0.14 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Tgt Ion: 70 Resp: 196286

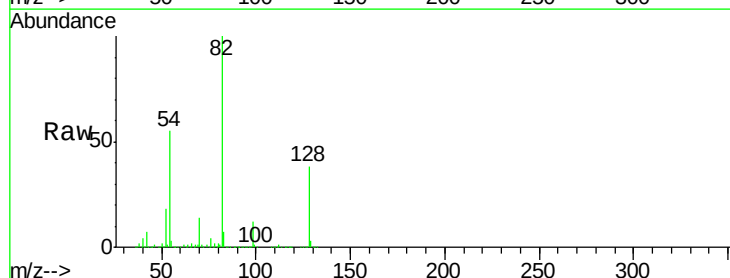
Ion Ratio Lower Upper

70 100

42 51.0 48.8 73.2

101 0.0 7.1 10.7#

130 2.1 15.0 22.6#

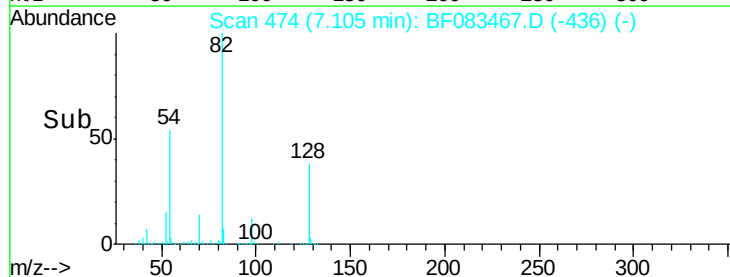
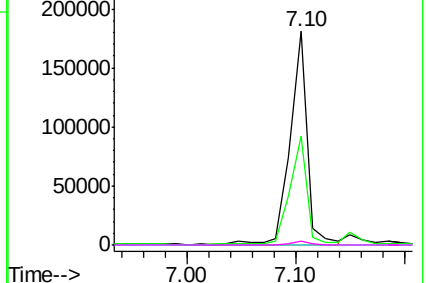


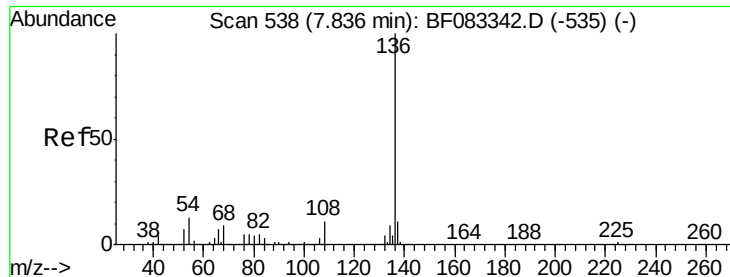
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.81 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF083467.D

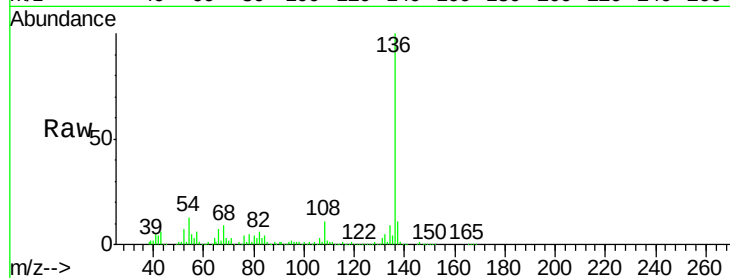
Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	675202	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.0	13.4	
54 12.8	10.1	15.1	
68 9.2	7.1	10.7	

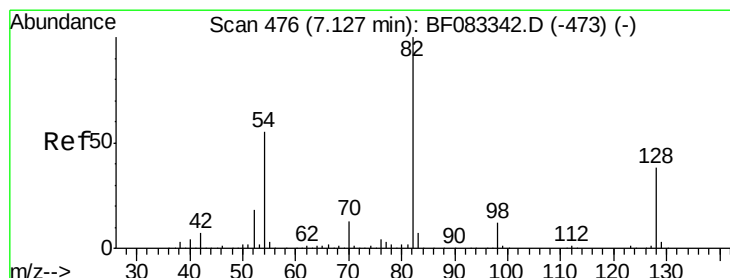
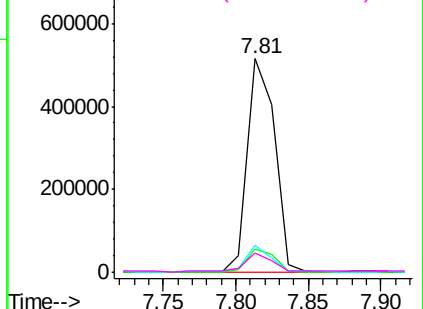
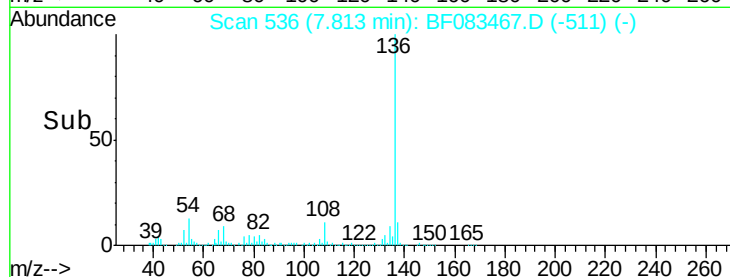


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.46 ng

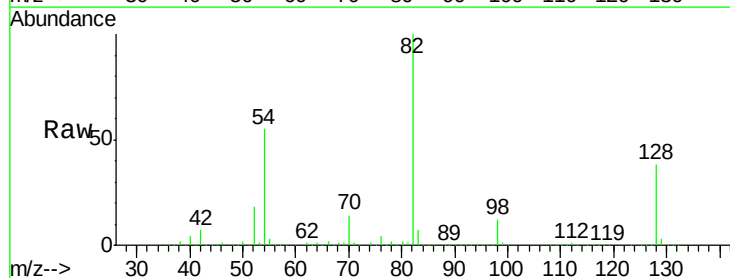
RT: 7.10 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

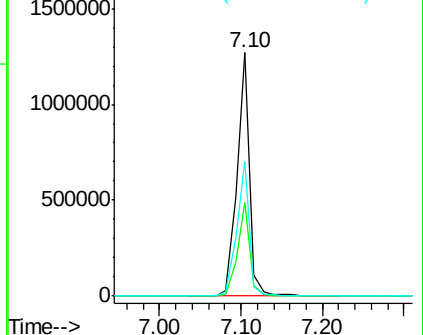
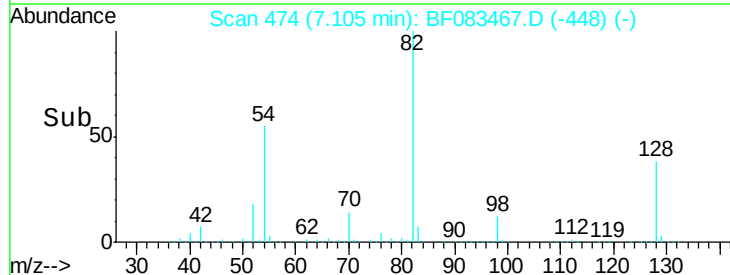
Tgt Ion: 82	Resp: 1358781
Ion Ratio	Lower Upper
82 100	
128 38.4	30.6 46.0
54 55.2	43.8 65.6

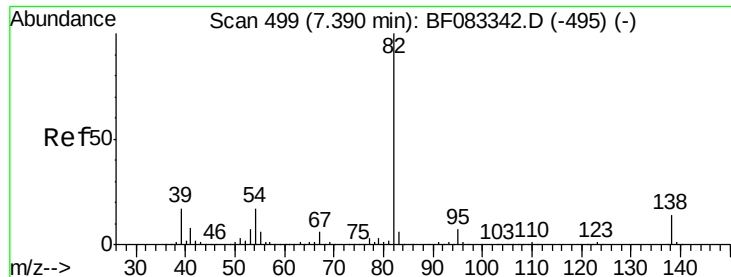


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.66 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.27 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

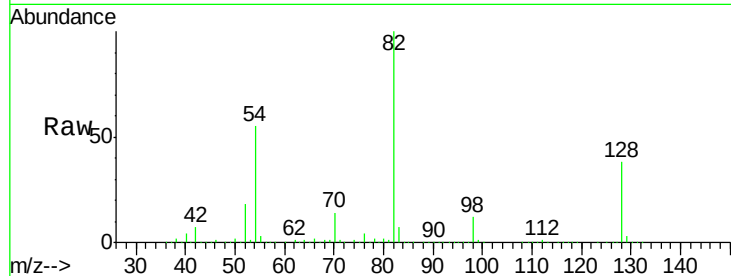
Tot Ion: 82 Resp: 971659

Ion Ratio Lower Upper

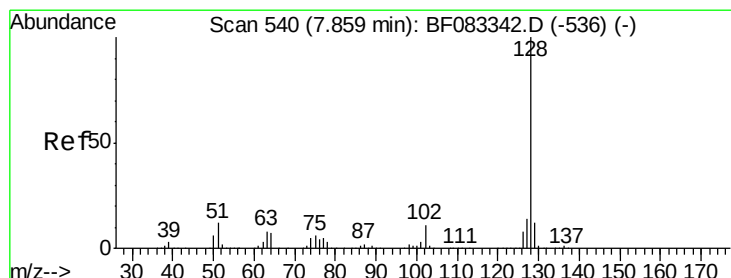
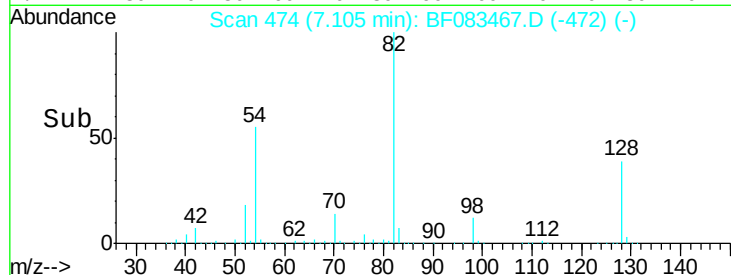
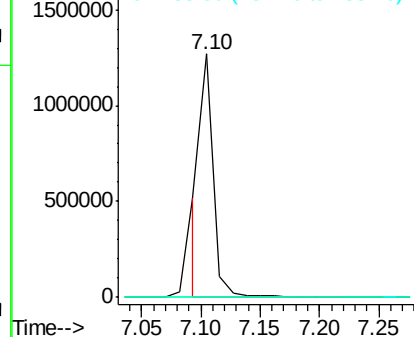
82 100

95 0.1 5.3 7.9#

138 0.0 11.6 17.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 74.90 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

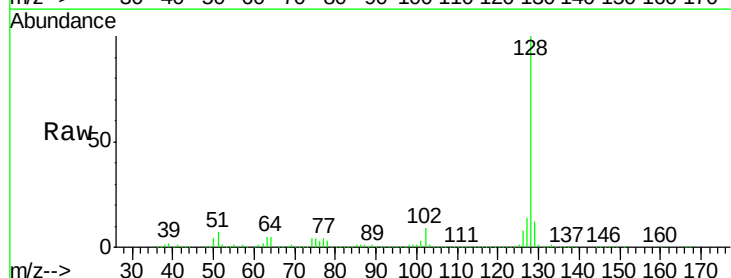
Tgt Ion: 128 Resp: 2743922

Ion Ratio Lower Upper

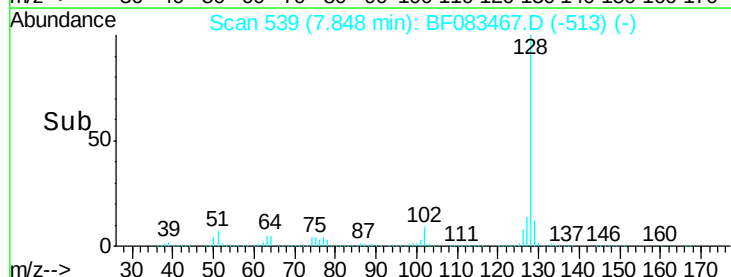
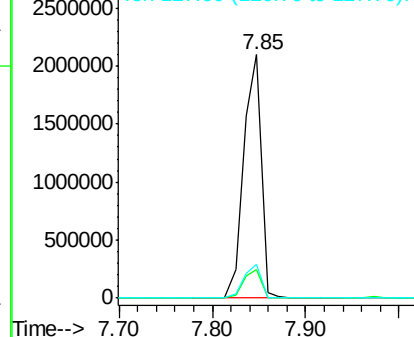
128 100

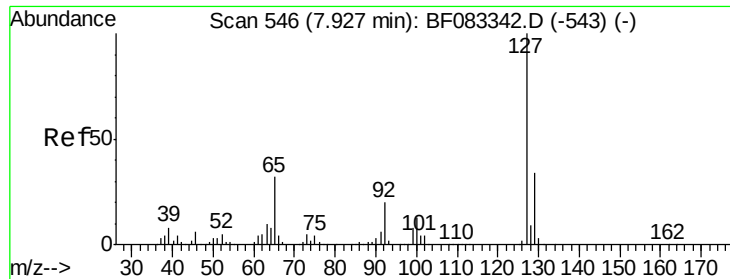
129 11.7 9.7 14.5

127 14.0 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

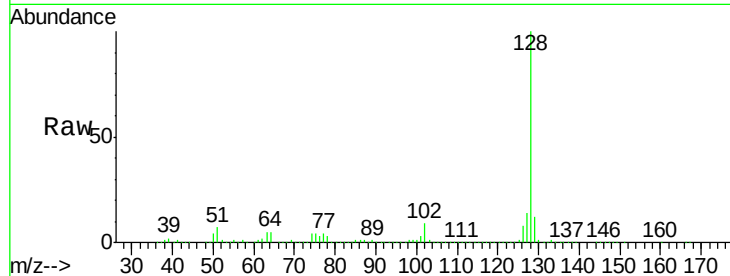




#33
4-Chloroaniline
Concen: 24.29 ng
RT: 7.85 min Scan# 539
Delta R.T. -0.06 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	383678
Ion	Ratio	Lower	Upper
127	100		
129	83.6	27.0	40.4#
65	0.0	25.9	38.9#
92	0.2	15.8	23.8#

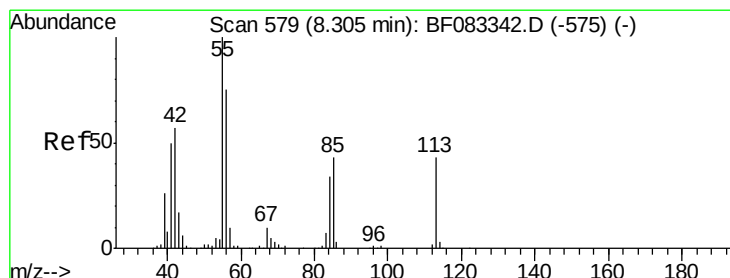
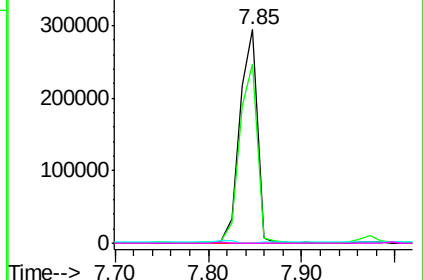
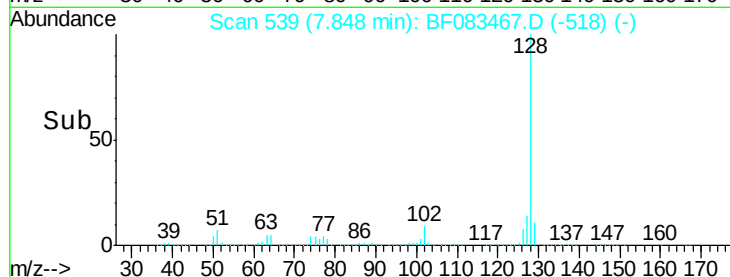


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

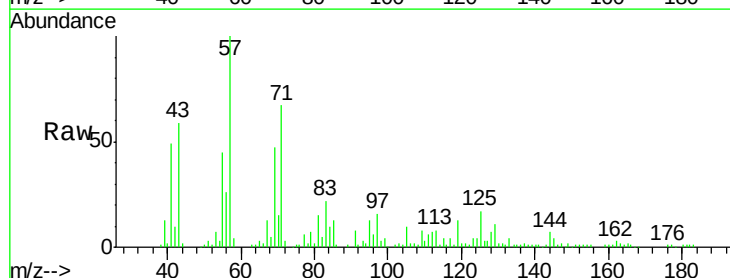
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35
Caprolactam
Concen: 3.44 ng
RT: 8.27 min Scan# 576
Delta R.T. -0.03 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

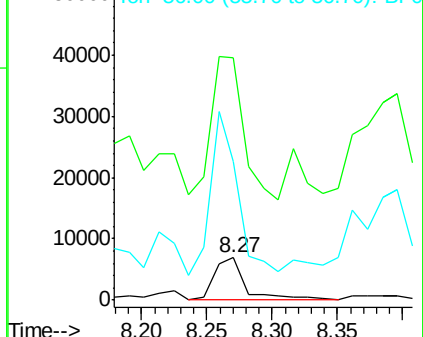
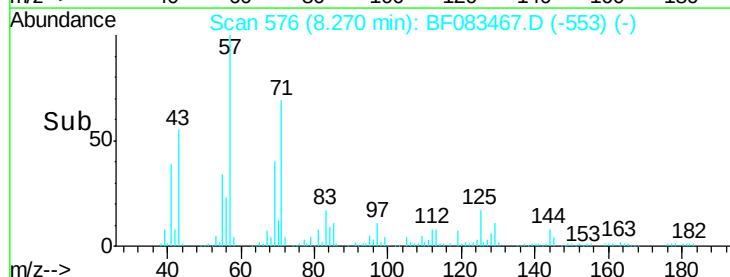
Tgt Ion:	113	Resp:	11740
Ion	Ratio	Lower	Upper
113	100		
55	570.5	211.6	251.6#
56	328.1	153.0	193.0#

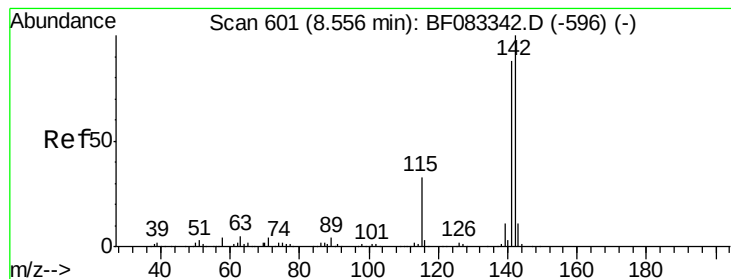


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

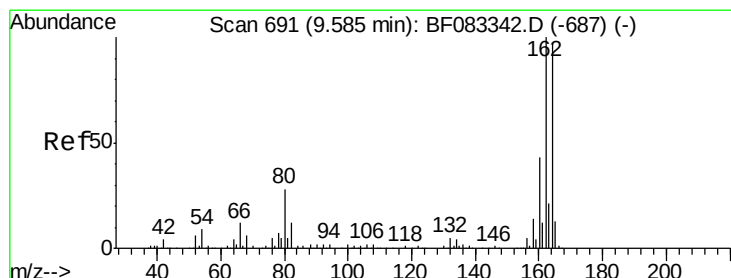
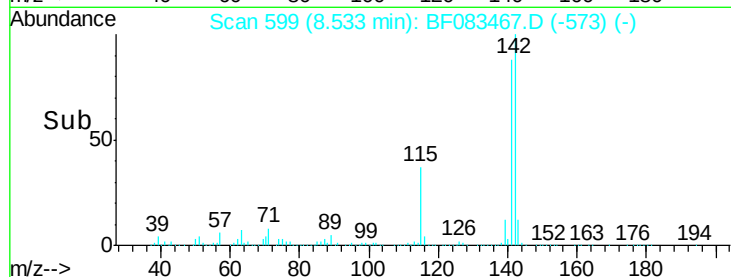
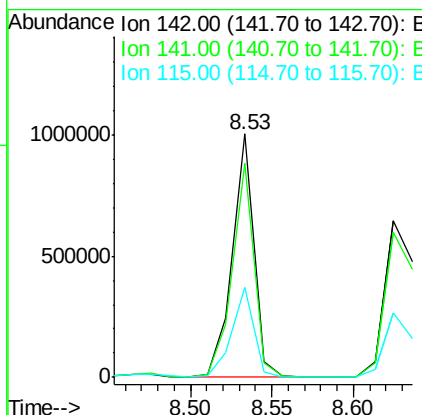
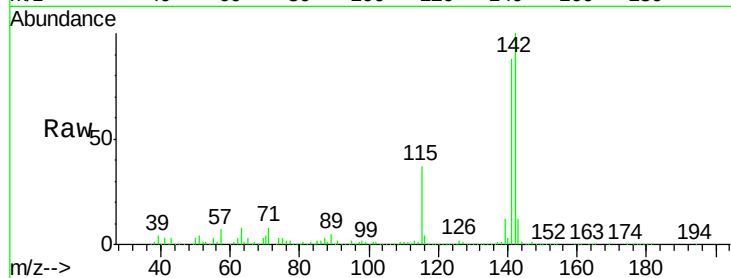




#37
2-Methylnaphthalene
Concen: 37.42 ng
RT: 8.53 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

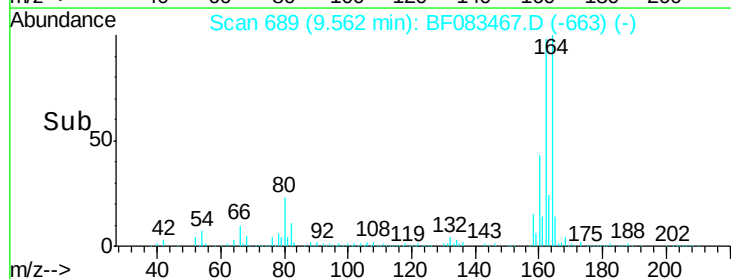
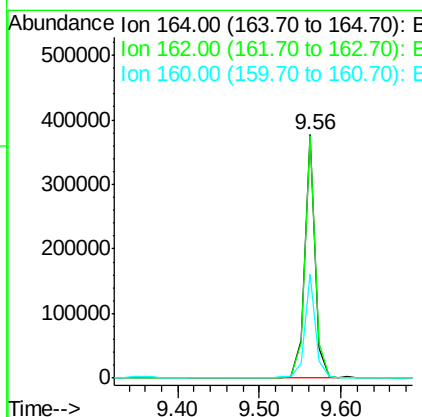
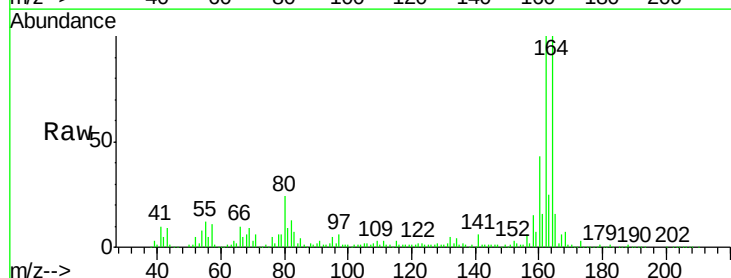
Instrument :
BNA_F
ClientSampleId :

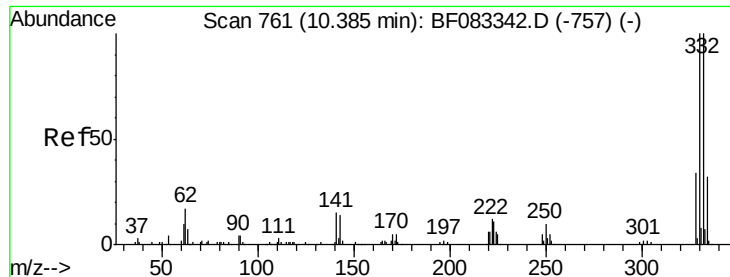
Tot Ion:142 Resp: 916198
Ion Ratio Lower Upper
142 100
141 88.1 70.6 105.8
115 37.0 26.2 39.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:164 Resp: 333242
Ion Ratio Lower Upper
164 100
162 99.5 82.6 123.8
160 42.9 35.3 52.9

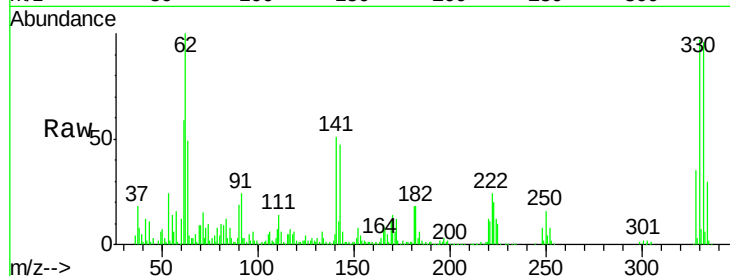




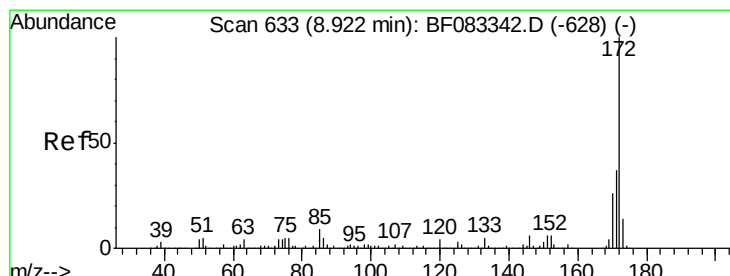
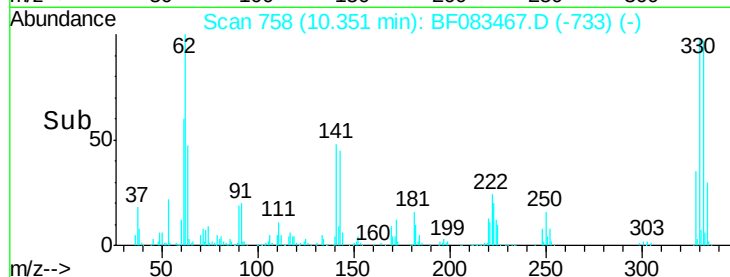
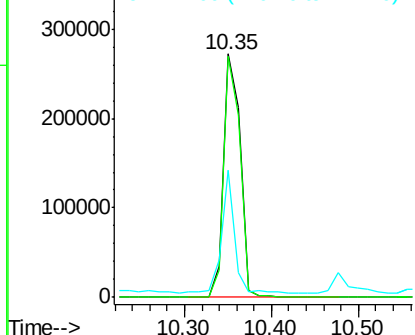
#41
 2,4,6-Tribromophenol
 Concen: 109.51 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.6
141	40.8	29.4	44.0

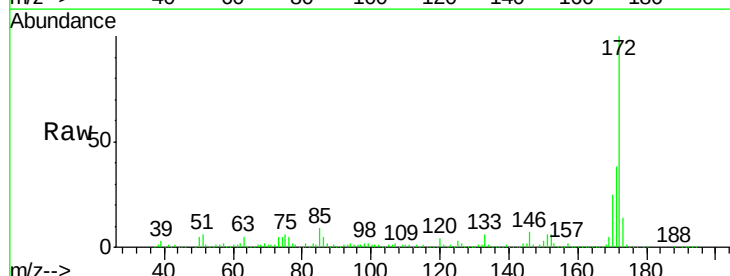


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

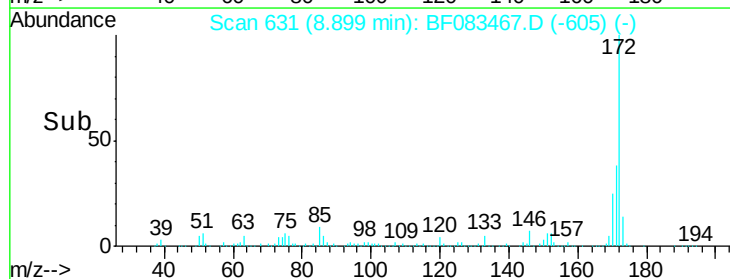
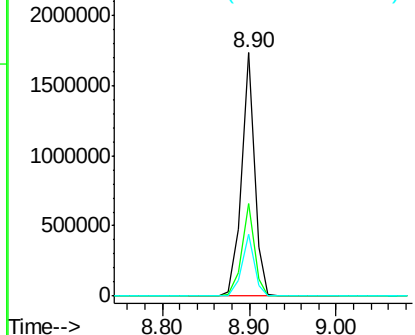


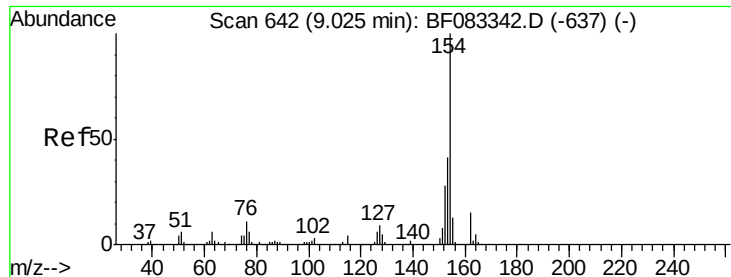
#44
 2-Fluorobiphenyl
 Concen: 76.78 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.4	44.0
170	25.4	20.4	30.6



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

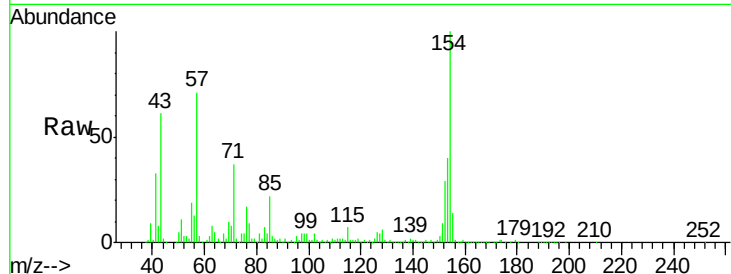




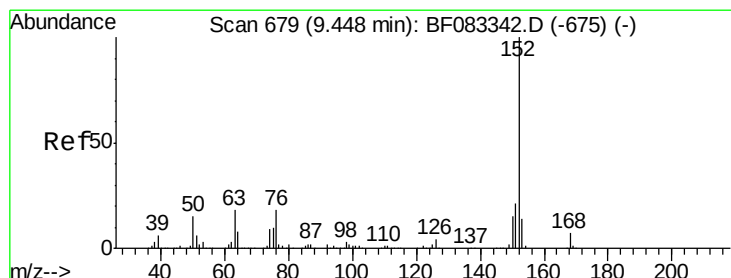
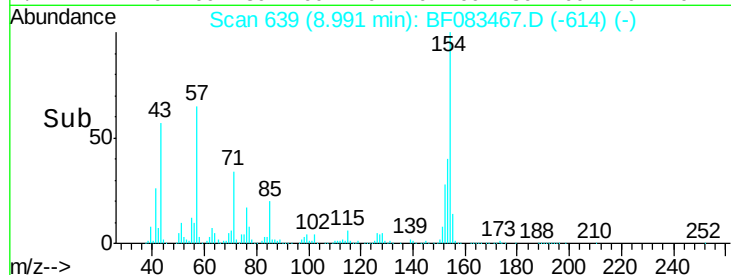
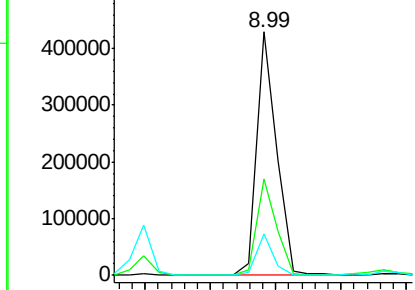
#45
 1,1'-Biphenyl
 Concen: 15.67 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:154 Resp: 457834
 Ion Ratio Lower Upper
 154 100
 153 39.8 20.6 60.6
 76 17.1 0.0 30.5

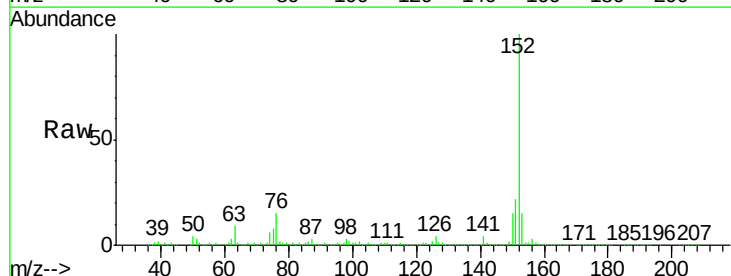


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

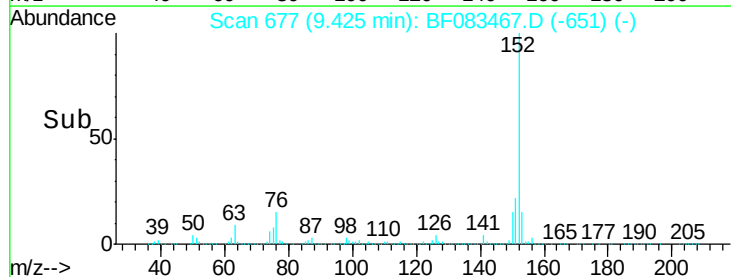
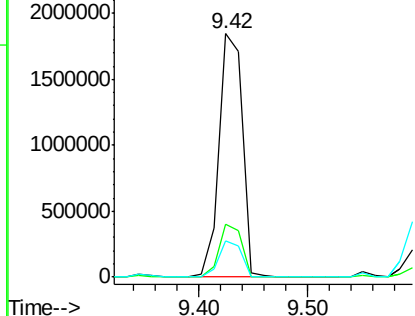


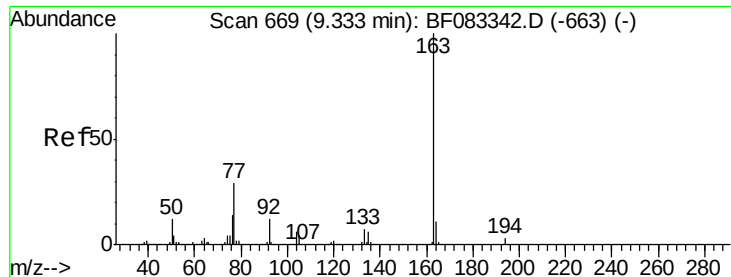
#48
 Acenaphthylene
 Concen: 77.35 ng
 RT: 9.42 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

Tgt Ion:152 Resp: 2747490
 Ion Ratio Lower Upper
 152 100
 151 21.8 16.7 25.1
 153 14.9 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

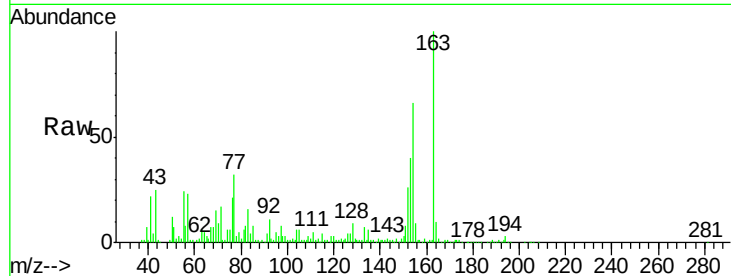




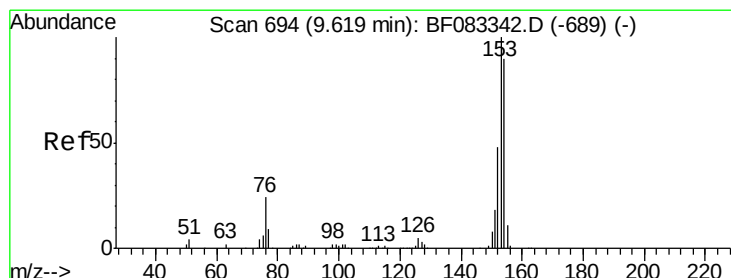
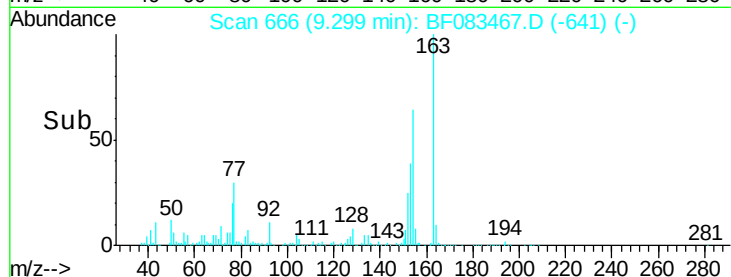
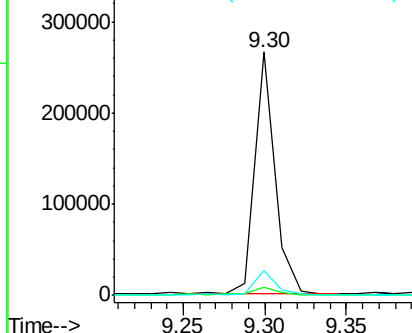
#49
Dimethylphthalate
Concen: 8.33 ng
RT: 9.30 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 225680
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.0 8.8 13.2

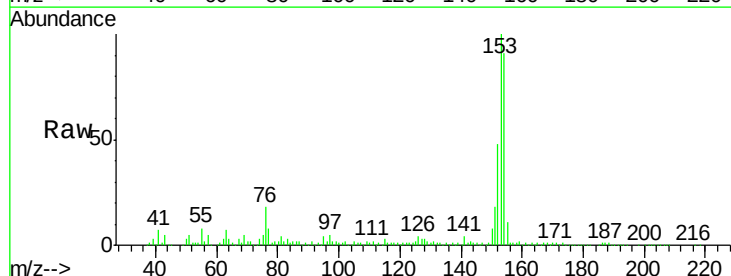


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

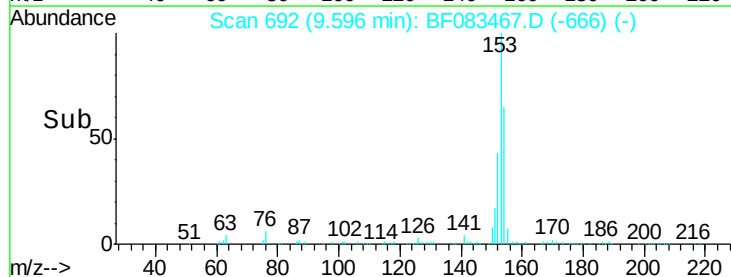
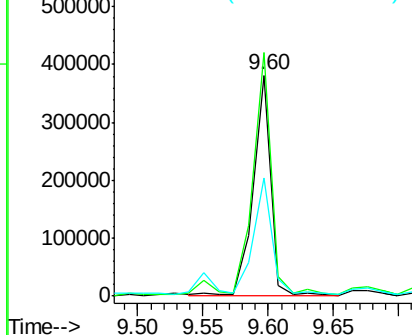


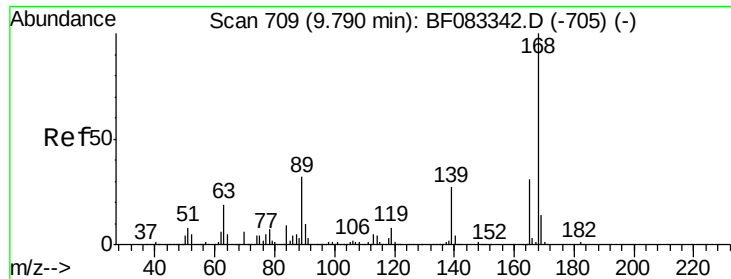
#51
Acenaphthene
Concen: 16.80 ng
RT: 9.60 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:154 Resp: 351040
Ion Ratio Lower Upper
154 100
153 110.3 89.3 133.9
152 53.4 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 6.15 ng

RT: 9.77 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampled :

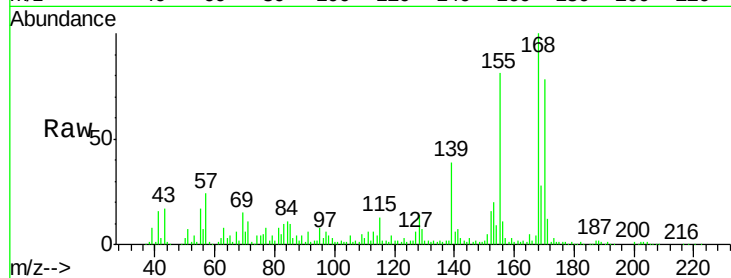
Tot Ion:168 Resp: 188282

Ion Ratio Lower Upper

168 100

139 38.5 32.7 49.1

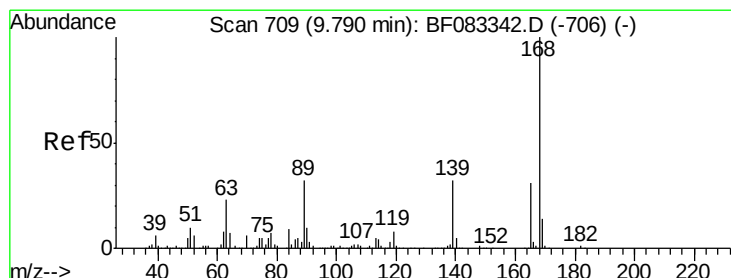
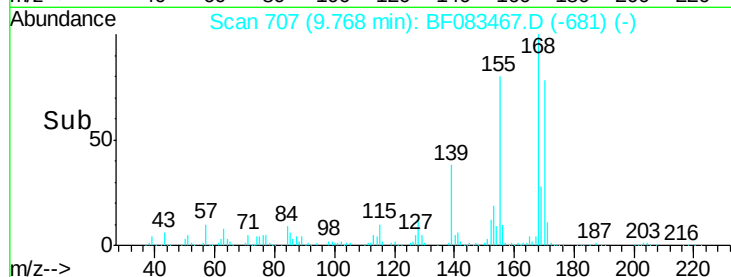
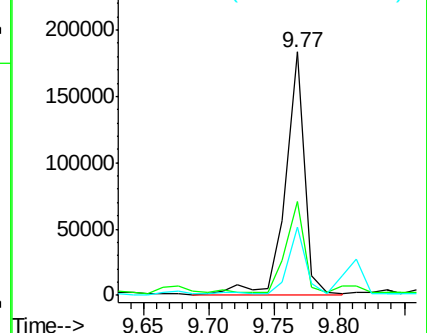
169 27.9 11.1 16.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 2.61 ng

RT: 9.77 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Tgt Ion:165 Resp: 19126

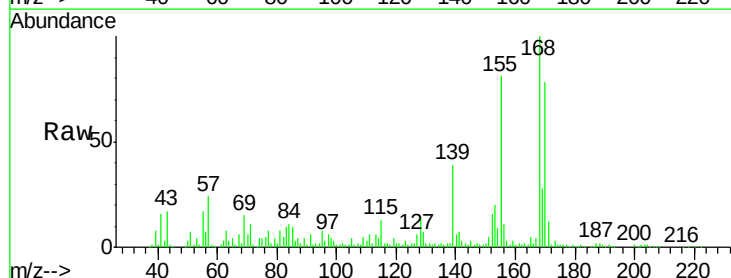
Ion Ratio Lower Upper

165 100

63 159.0 65.4 98.0#

89 82.4 81.2 121.8

182 12.4 1.8 2.8#

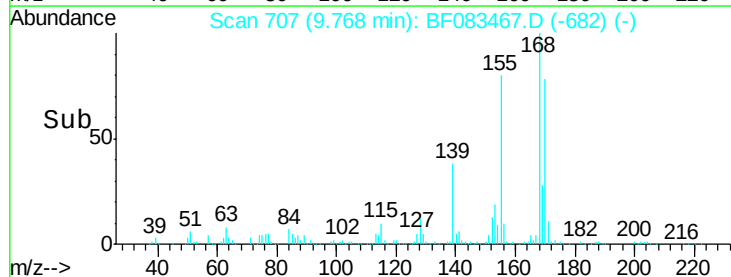
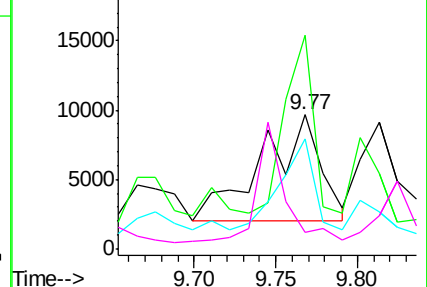


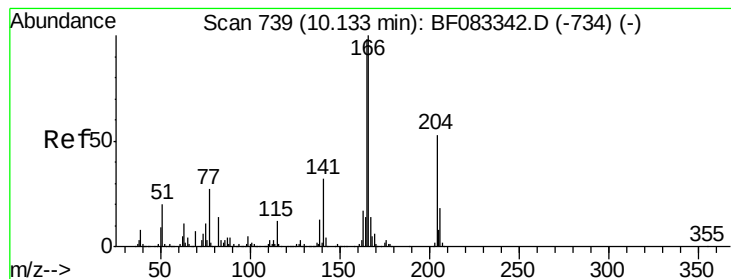
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 56.65 ng

RT: 10.11 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

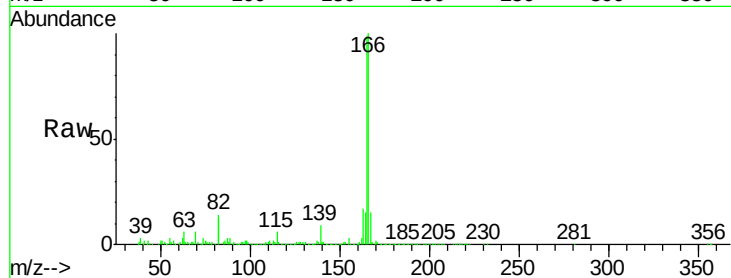
Tot Ion:166 Resp: 1369672

Ion Ratio Lower Upper

166 100

165 99.3 78.3 117.5

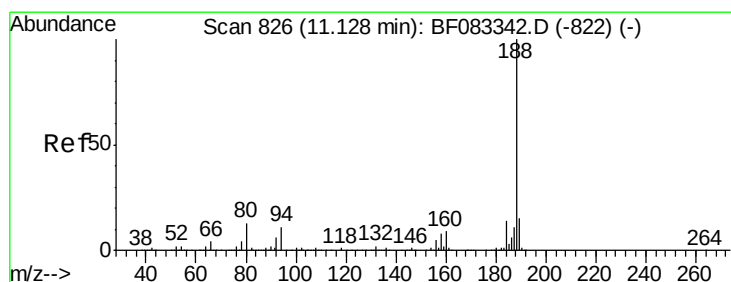
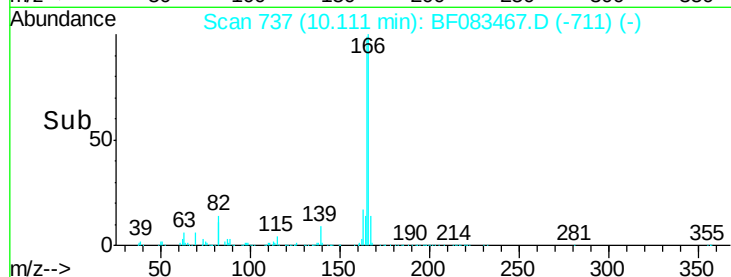
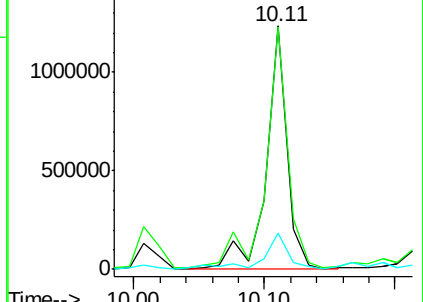
167 14.7 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

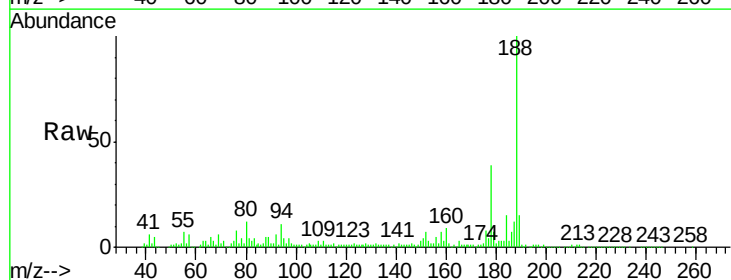
Tgt Ion:188 Resp: 543018

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

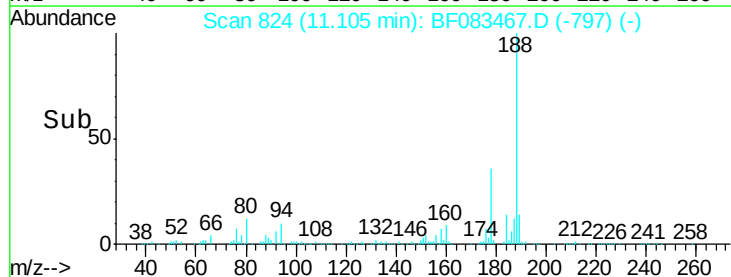
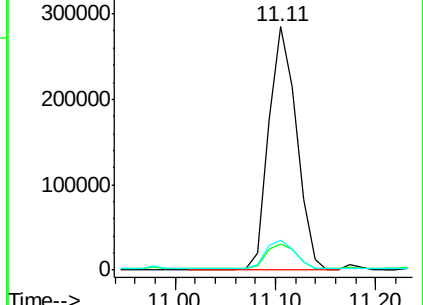
80 12.5 10.3 15.5

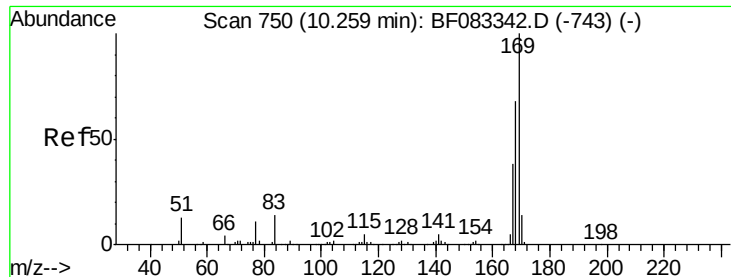


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 3.19 ng

RT: 10.22 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampled :

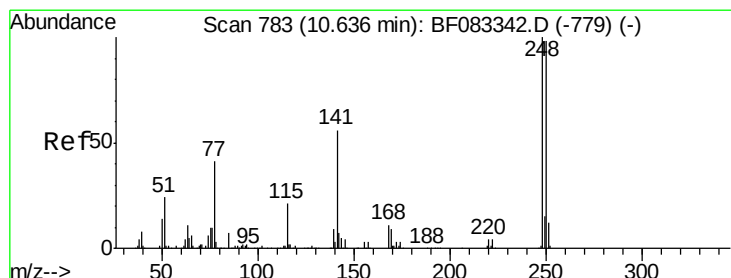
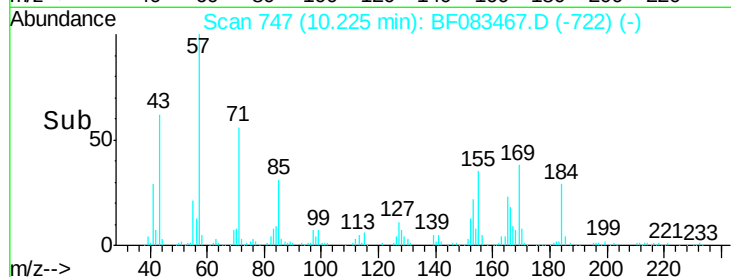
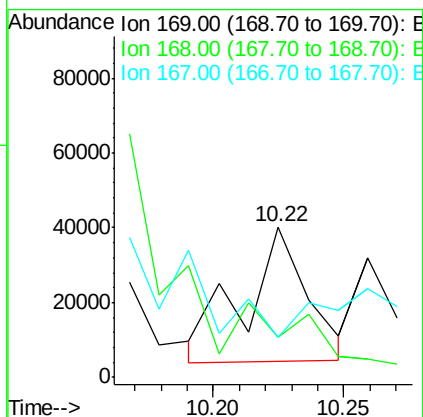
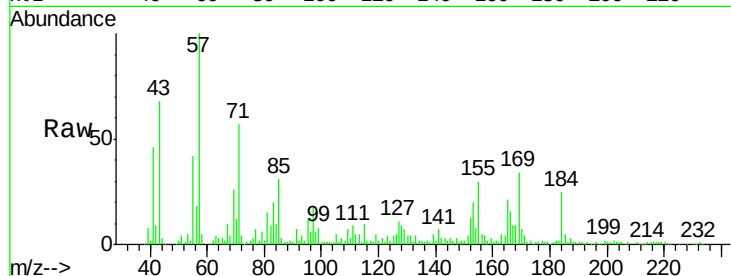
Tot Ion:169 Resp: 60913

Ion Ratio Lower Upper

169 100

168 26.8 54.8 82.2#

167 26.5 30.2 45.2#



#66

4-Bromophenyl-phenylether

Concen: 3.69 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.25 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

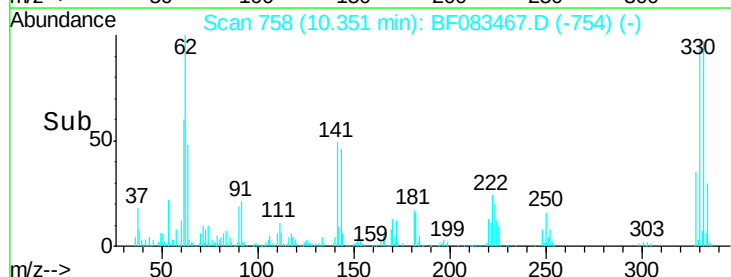
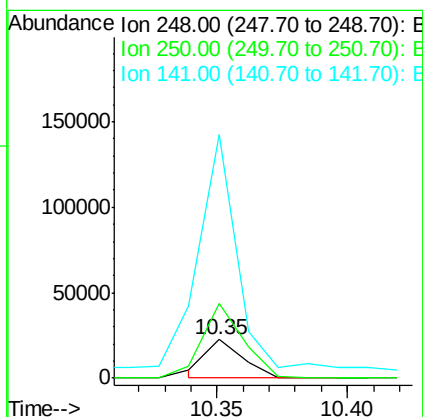
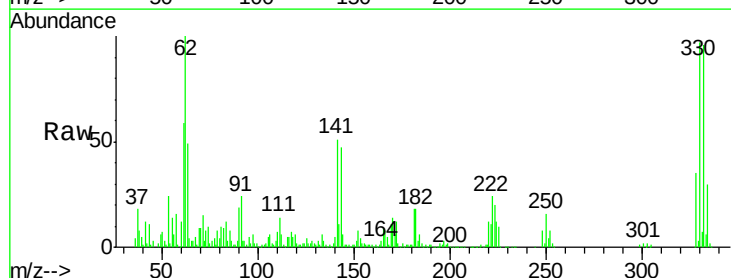
Tgt Ion:248 Resp: 21904

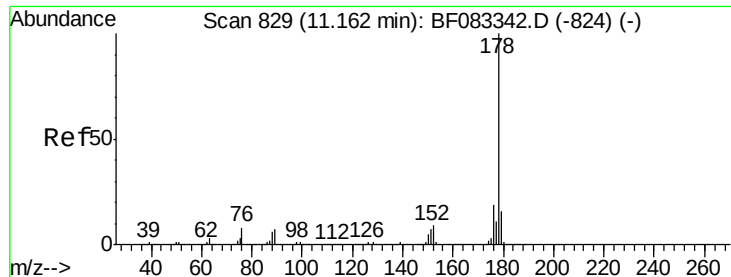
Ion Ratio Lower Upper

248 100

250 191.6 78.6 118.0#

141 629.7 44.4 66.6#

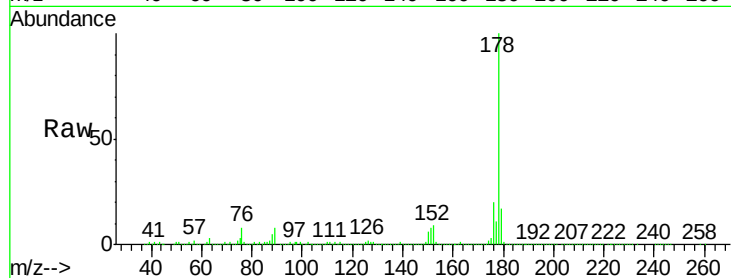




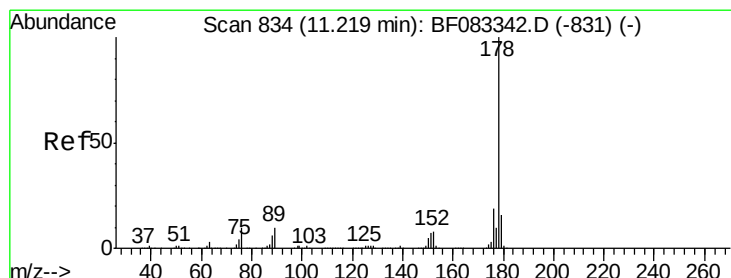
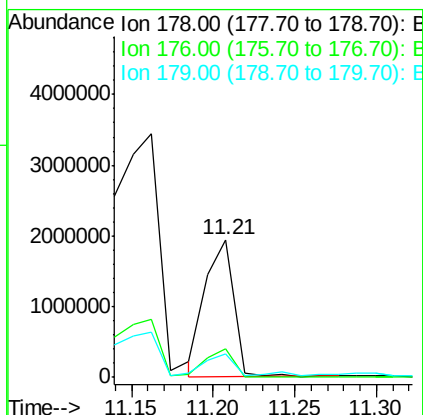
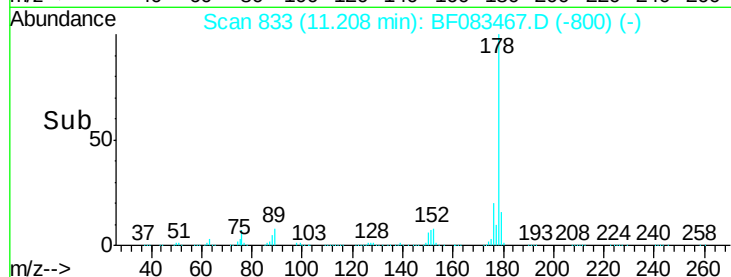
#70
Phenanthrene
Concen: 73.68 ng
RT: 11.21 min Scan# 833
Delta R.T. 0.08 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 2367753
Ion Ratio Lower Upper
178 100
176 20.4 15.3 22.9
179 16.9 12.4 18.6

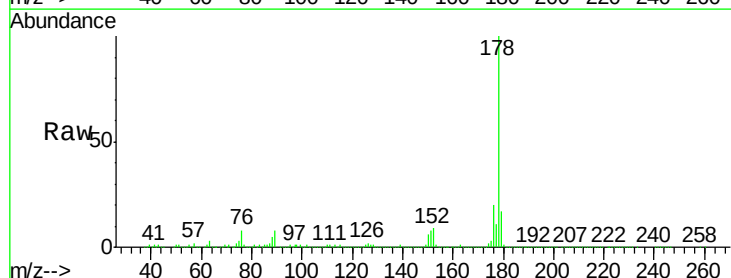


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

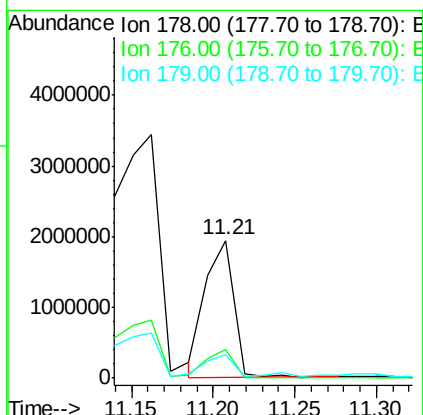
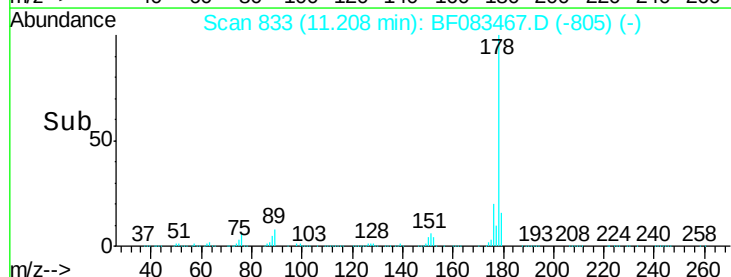


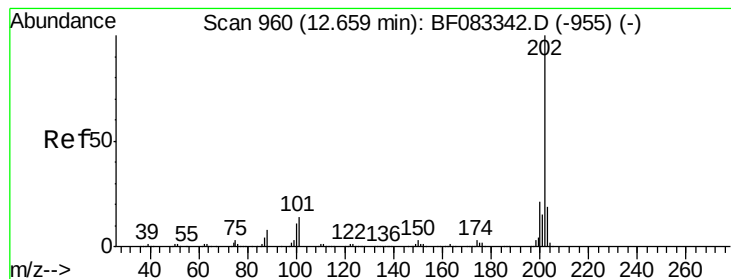
#71
Anthracene
Concen: 73.19 ng
RT: 11.21 min Scan# 833
Delta R.T. 0.02 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:178 Resp: 2367753
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 16.9 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: 195.87 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.03 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

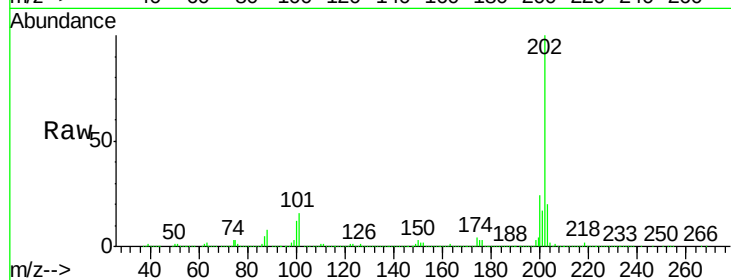
Tot Ion:202 Resp: 6524408

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.5

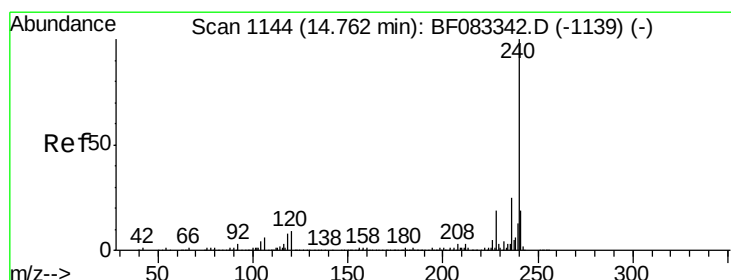
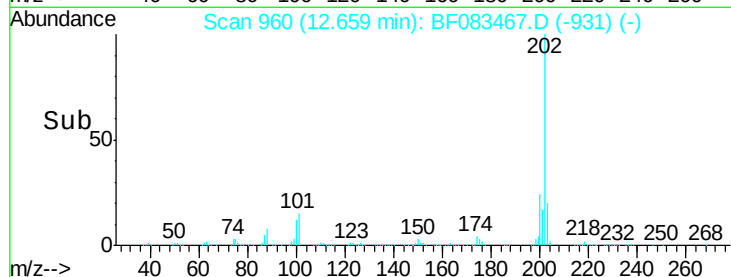
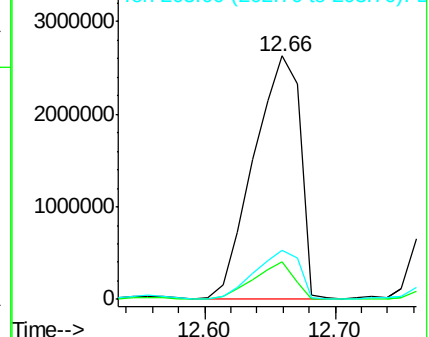
203 20.3 0.0 38.7



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: BF083467.D

Acq: 3 Dec 2015 18:48

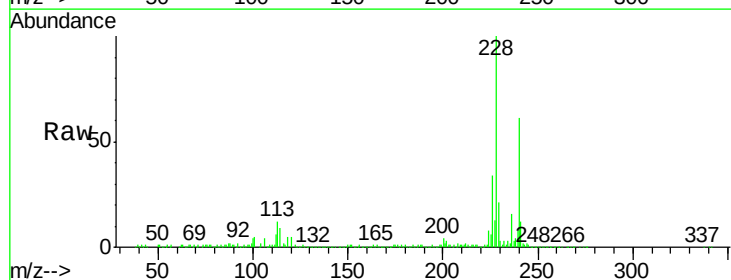
Tgt Ion:240 Resp: 365023

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

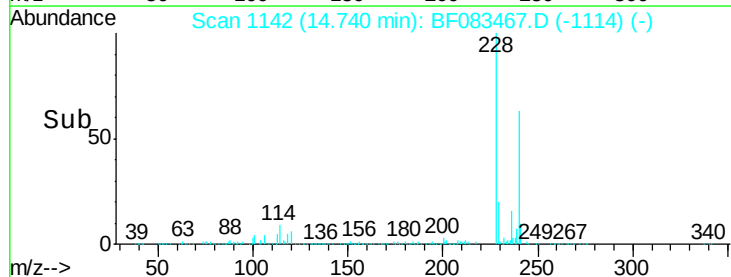
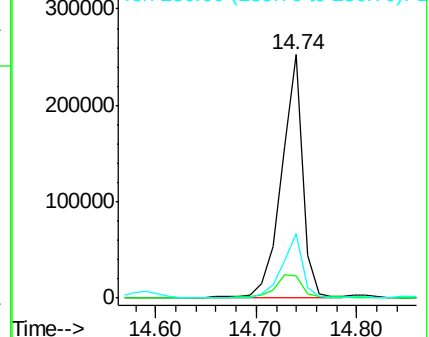
236 26.4 19.8 29.6

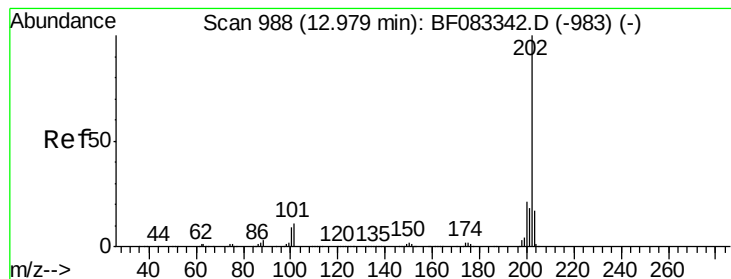


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 331.52 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.06 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

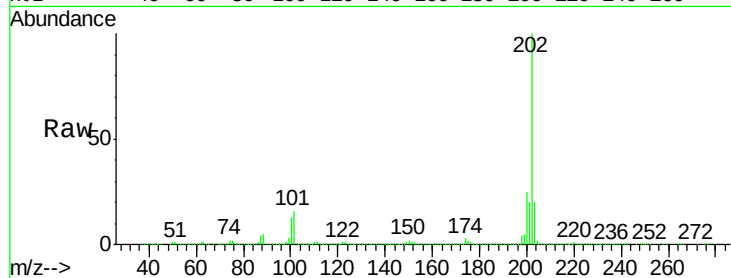
Tot Ion:202 Resp: 8451102

Ion Ratio Lower Upper

202 100

200 24.9 16.9 25.3

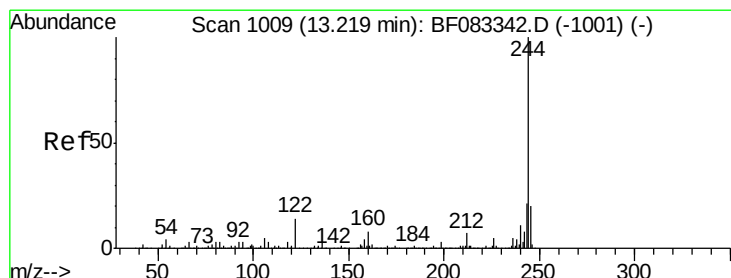
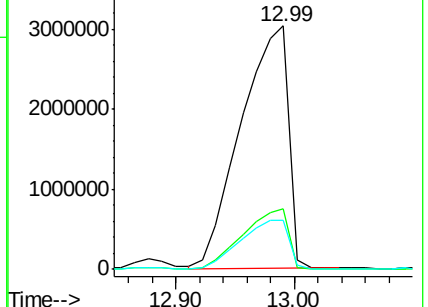
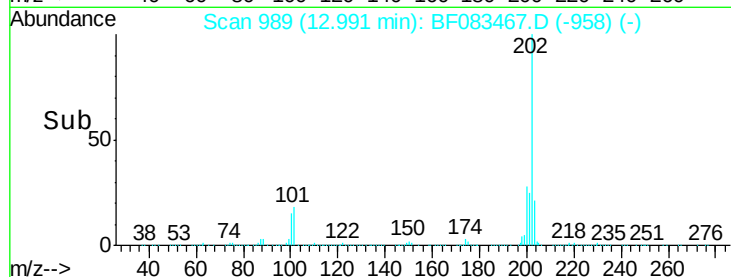
203 20.1 13.9 20.9



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: 103.91 ng

RT: 13.20 min Scan# 1007

Delta R.T. 0.01 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

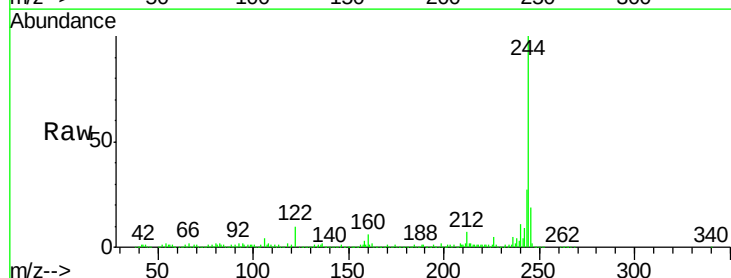
Tgt Ion:244 Resp: 1590411

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

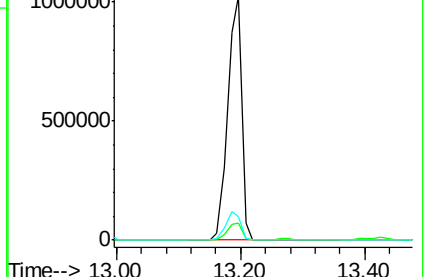
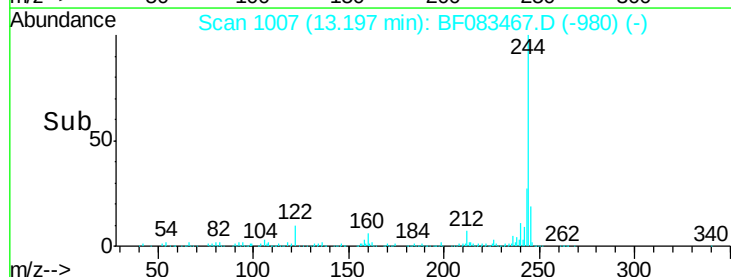
122 9.8 11.0 16.4#

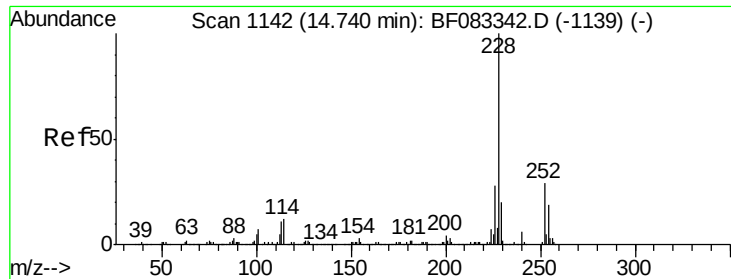


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

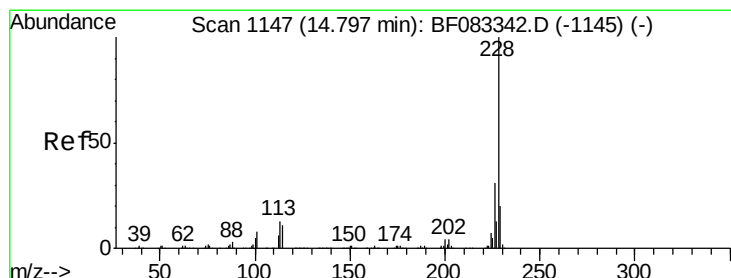
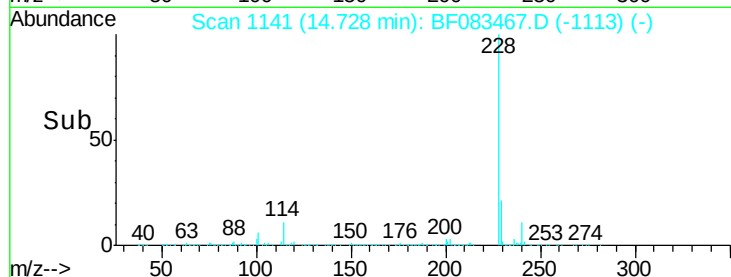
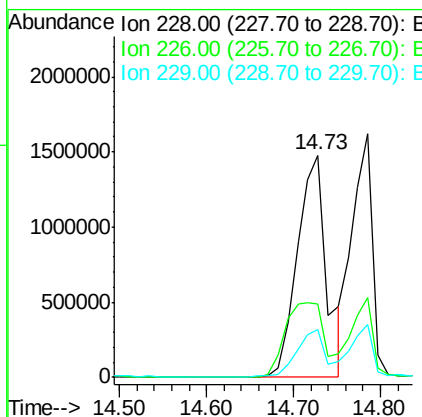
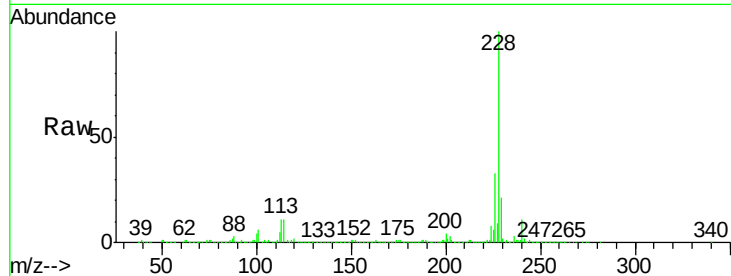




#80
Benzo(a)anthracene
Concen: 153.92 ng
RT: 14.73 min Scan# 1141
Delta R.T. 0.02 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

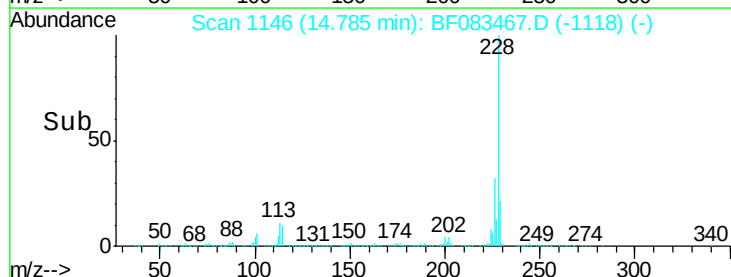
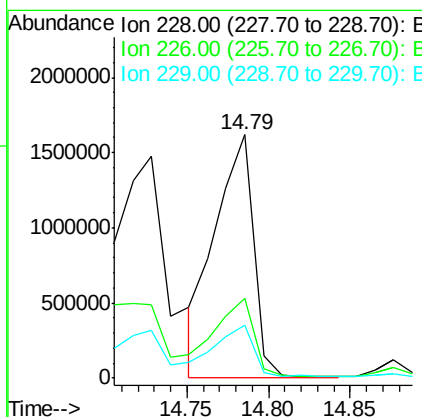
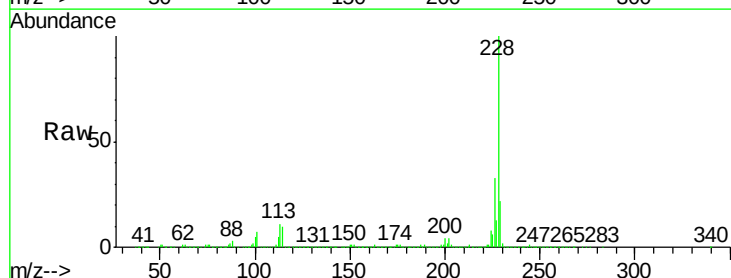
Instrument :
BNA_F
ClientSampleId :

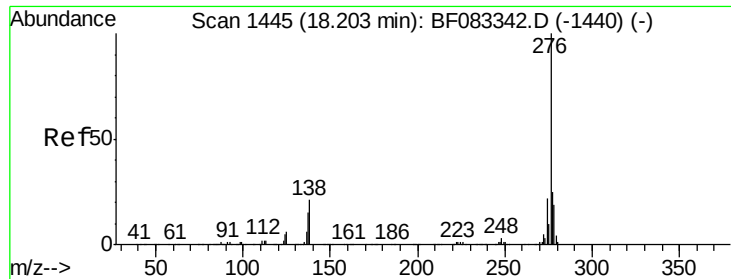
Tot Ion:228 Resp: 3442204
Ion Ratio Lower Upper
228 100
226 32.9 22.2 33.4
229 21.5 16.1 24.1



#82
Chrysene
Concen: 122.34 ng
RT: 14.79 min Scan# 1146
Delta R.T. 0.02 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:228 Resp: 2643290
Ion Ratio Lower Upper
228 100
226 32.6 24.6 37.0
229 21.7 16.2 24.2



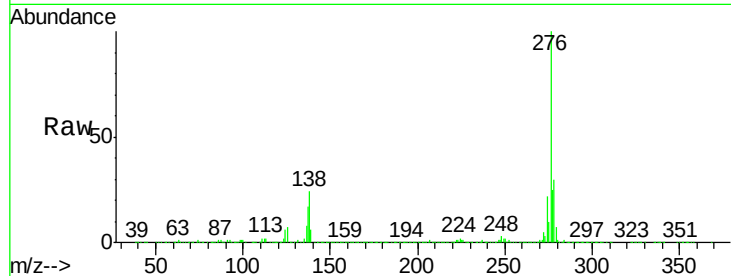


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 115.51 ng
 RT: 18.19 min Scan# 1444
 Delta R.T. 0.02 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

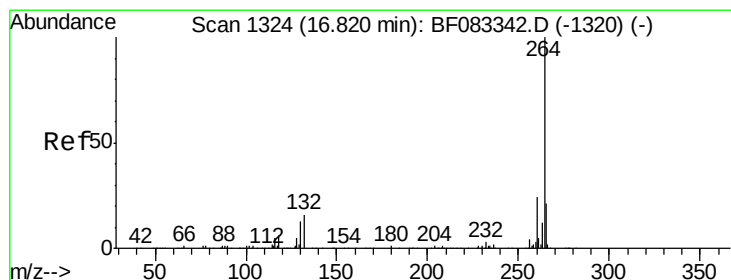
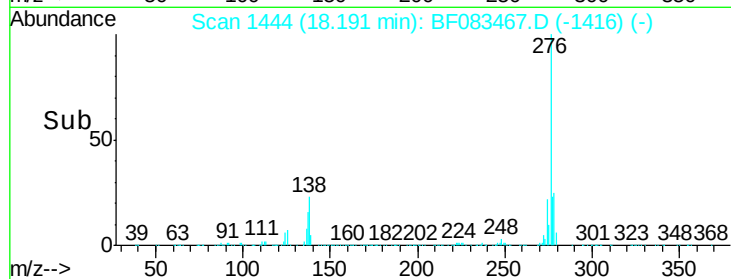
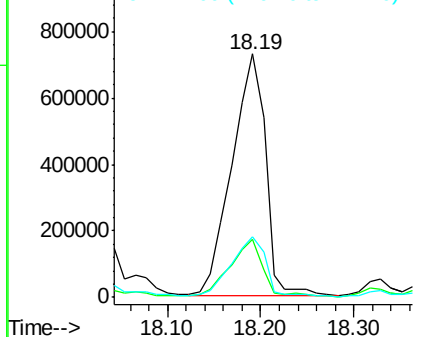
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 1817648

Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.2	31.8
277	25.1	20.0	30.0



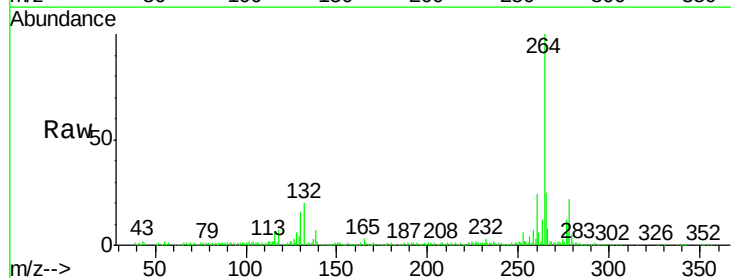
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



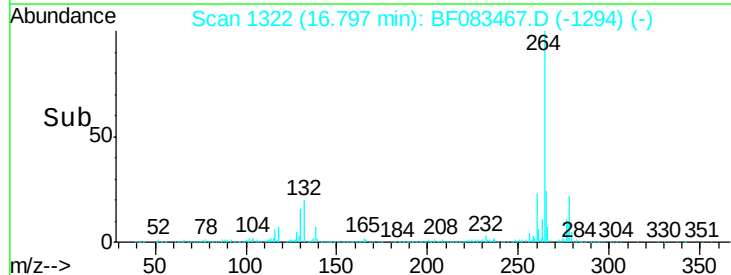
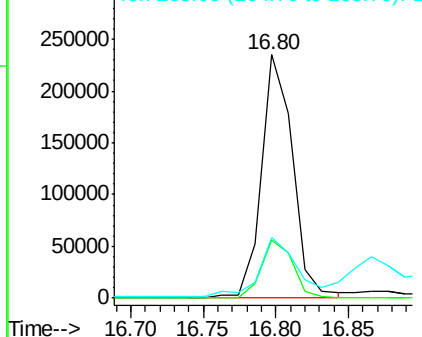
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.80 min Scan# 1322
 Delta R.T. 0.02 min
 Lab File: BF083467.D
 Acq: 3 Dec 2015 18:48

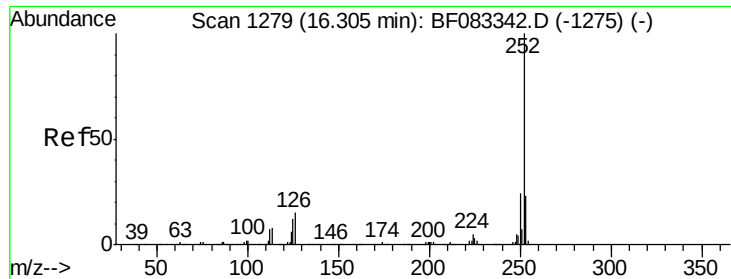
Tgt Ion:264 Resp: 346613

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	24.6	16.8	25.2



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

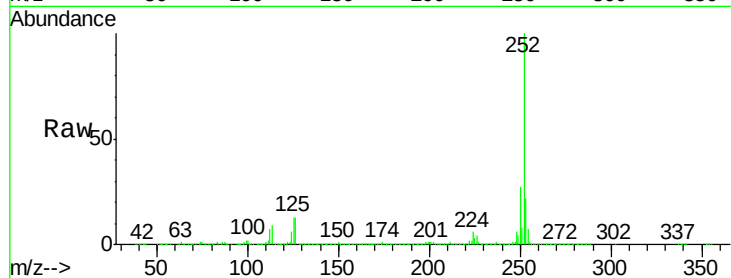




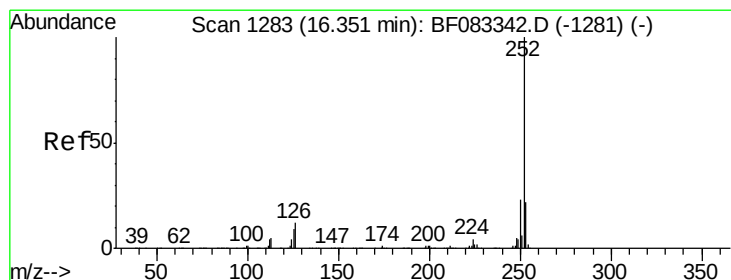
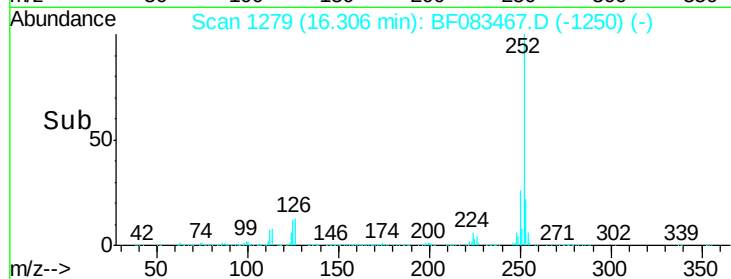
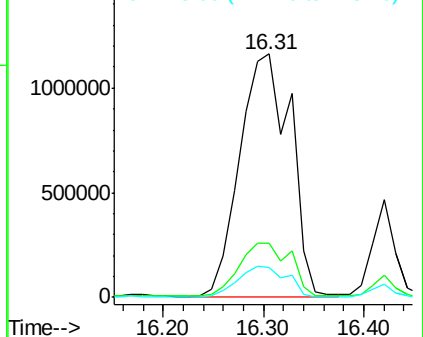
#87
Benzo(b)fluoranthene
Concen: 182.10 ng
RT: 16.31 min Scan# 1279
Delta R.T. 0.03 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 4050004
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 12.5 9.6 14.4

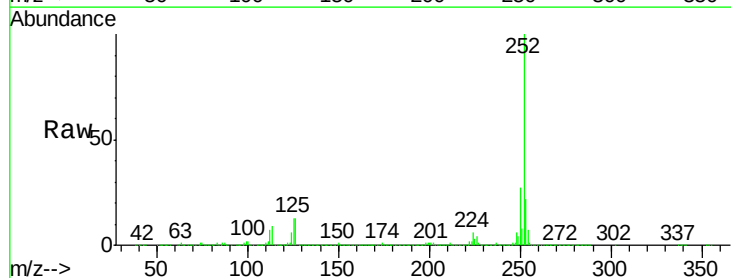


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

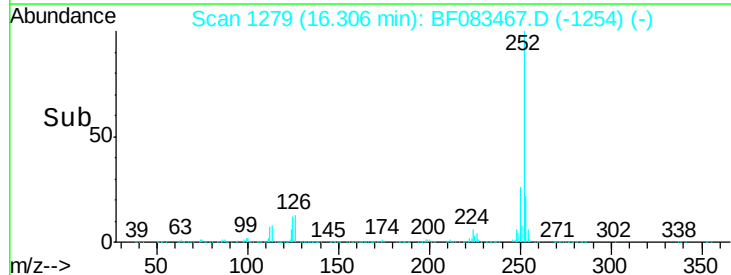
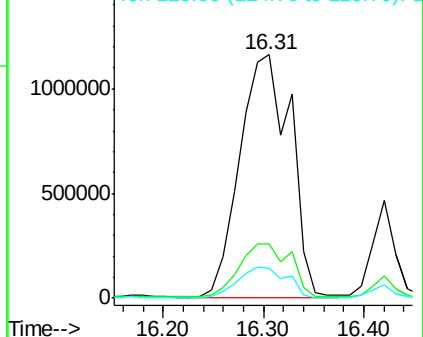


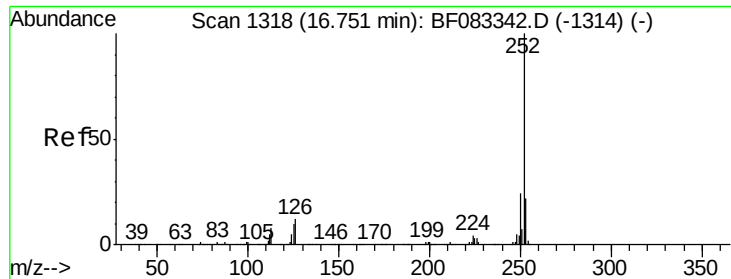
#88
Benzo(k)fluoranthene
Concen: 192.85 ng
RT: 16.31 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:252 Resp: 4050004
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.5 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

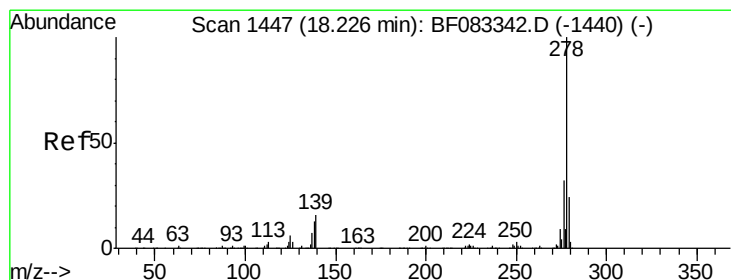
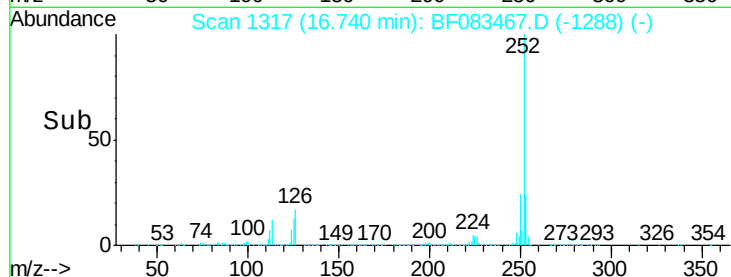
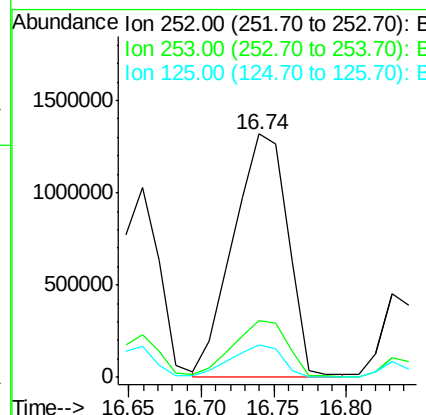
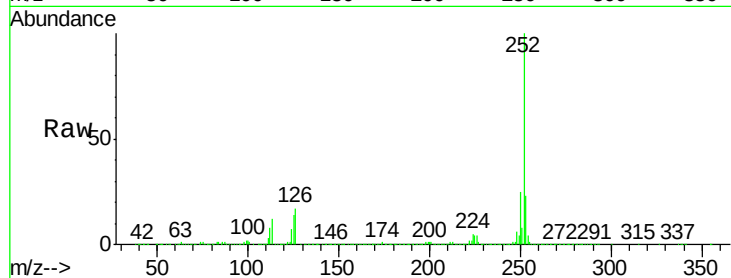




#89
Benzo(a)pyrene
Concen: 179.32 ng
RT: 16.74 min Scan# 1317
Delta R.T. 0.03 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

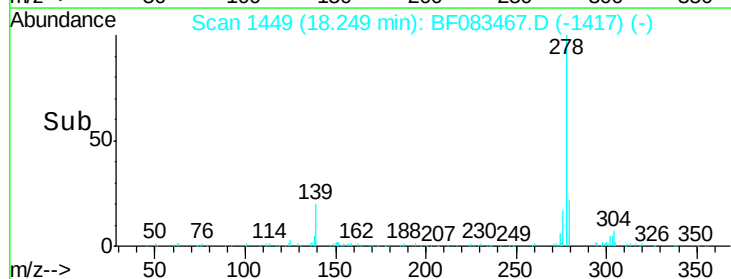
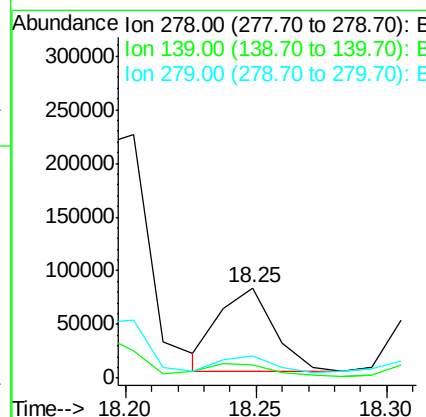
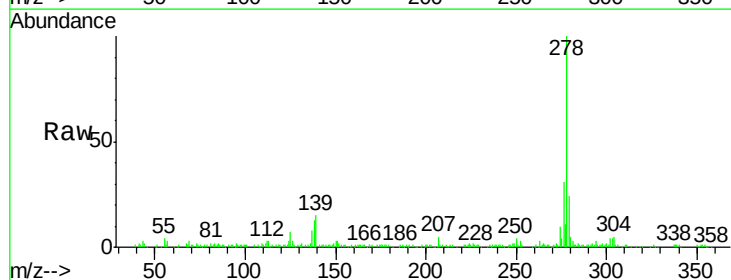
Instrument :
BNA_F
ClientSampleId :

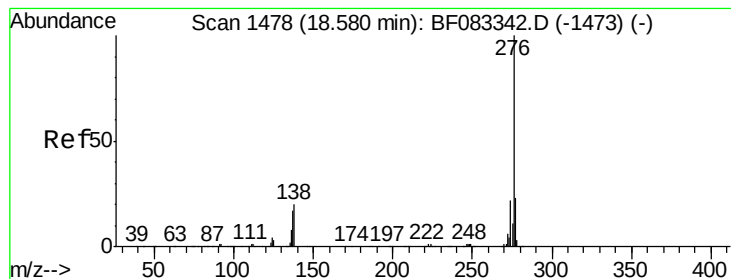
Tot Ion:252 Resp: 3425576
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 13.5 7.8 11.8#



#90
Dibenzo(a,h)anthracene
Concen: 6.89 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.07 min
Lab File: BF083467.D
Acq: 3 Dec 2015 18:48

Tgt Ion:278 Resp: 114734
Ion Ratio Lower Upper
278 100
139 14.7 13.1 19.7
279 24.1 19.2 28.8





#91

Benzo(a,h,i)perylene

Concen: 125.98 ng

RT: 18.58 min Scan# 1478

Delta R.T. 0.05 min

Lab File: BF083467.D

Acq: 3 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 2058074

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 20.4 16.1 24.1

