

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083464.D
 Acq On : 3 Dec 2015 17:10
 Operator : UM/IZ
 Sample : G4585-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 18:08:27 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	184571	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	701687	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	358236	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	615938	20.00	ng	0.01
75) Chrysene-d12	14.72	240	473338	20.00	ng	0.00
86) Perylene-d12	16.77	264	395676	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1551549	126.14	ng	0.01
7) Phenol-d6	6.20	99	1967894	116.89	ng	0.00
23) Nitrobenzene-d5	7.10	82	1399059	87.65	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	388626	108.07	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	1897286	75.47	ng	0.00
78) Terphenyl-d14	13.19	244	1921620	96.82	ng	0.00

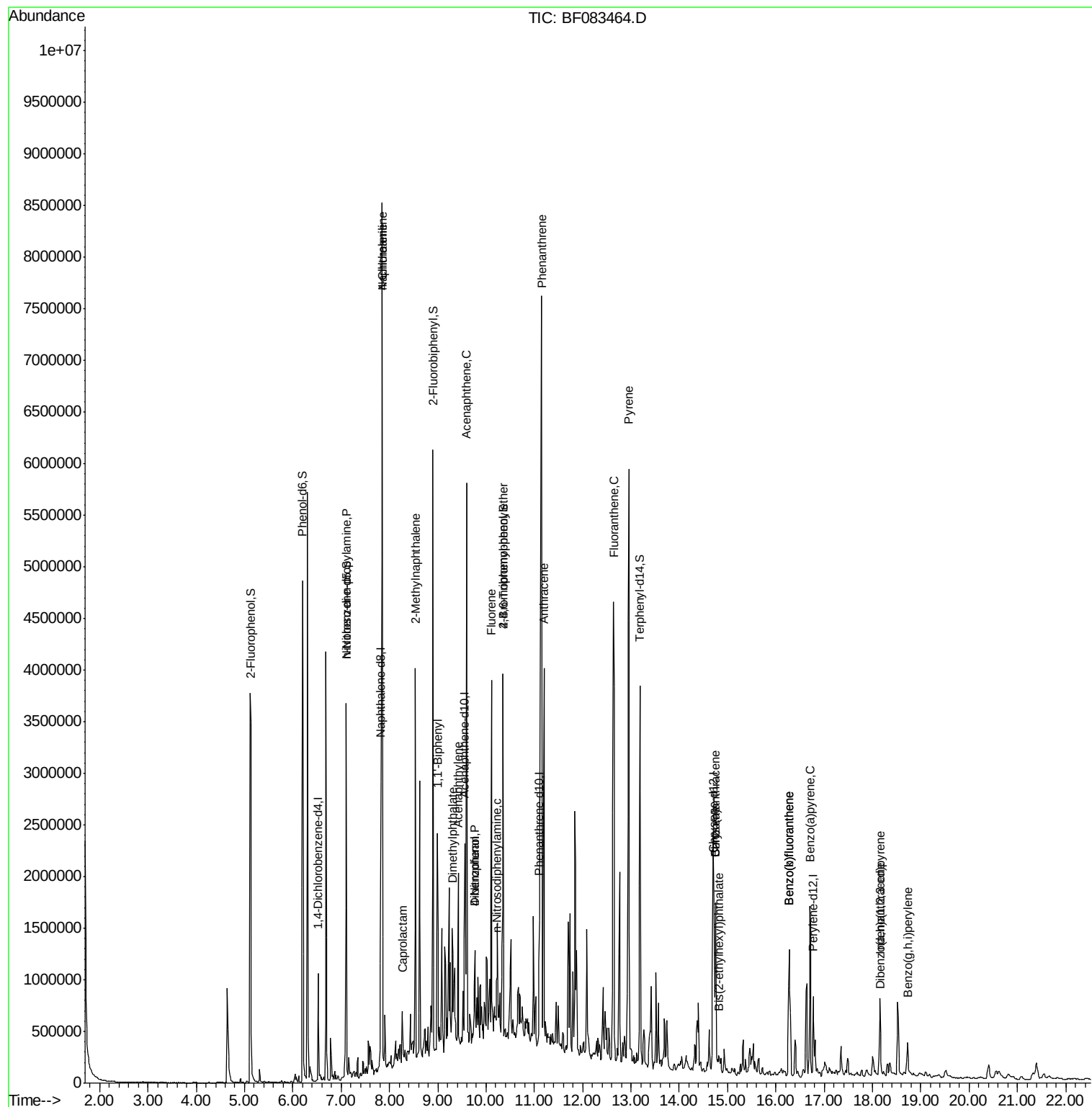
Target Compounds				Qvalue			
9) Benzaldehyde	6.04	77	4663	Below Cal	#	1	
19) n-Nitroso-di-n-propylamine	7.10	70	198092	16.46	ng	#	81
31) Naphthalene	7.85	128	4663413	122.49	ng		95
33) 4-Chloroaniline	7.85	127	702884	42.83	ng	#	33
35) Caprolactam	8.27	113	16389	4.62	ng	#	26
37) 2-Methylnaphthalene	8.53	142	997081	39.19	ng		97
45) 1,1'-Biphenyl	8.99	154	635528	20.23	ng		95
48) Acenaphthylene	9.42	152	606505	15.88	ng		98
49) Dimethylphthalate	9.30	163	265992	9.14	ng		98
51) Acenaphthene	9.60	154	1600927	71.28	ng		99
54) Dibenzofuran	9.77	168	179425	5.45	ng	#	89
55) 4-Nitrophenol	9.77	139	70331	15.43	ng	#	1
57) Fluorene	10.11	166	1232324	47.41	ng		100
65) n-Nitrosodiphenylamine	10.22	169	50932	2.35	ng	#	90
66) 4-Bromophenyl-phenylether	10.35	248	22179	3.29	ng	#	1
70) Phenanthrene	11.15	178	5610455	153.92	ng		94
71) Anthracene	11.20	178	1677752	45.72	ng		99
74) Fluoranthene	12.64	202	3305031	87.47	ng		99
77) Pyrene	12.96	202	4058228	122.77	ng		94
80) Benzo(a)anthracene	14.75	228	1017183	35.08	ng		94
82) Chrysene	14.75	228	1017979	36.33	ng		97
83) Bis(2-ethylhexyl)phthalate	14.82	149	51364	2.73	ng	#	99
85) Indeno(1,2,3-cd)pyrene	18.16	276	481152	23.58	ng		96
87) Benzo(b)fluoranthene	16.27	252	1228199	48.38	ng		98
88) Benzo(k)fluoranthene	16.27	252	1228199	51.23	ng	#	96
89) Benzo(a)pyrene	16.71	252	1052026	48.24	ng	#	97
90) Dibenzo(a,h)anthracene	18.17	278	103859	5.47	ng		96
91) Benzo(g,h,i)perylene	18.73	276	254352	13.64	ng		98

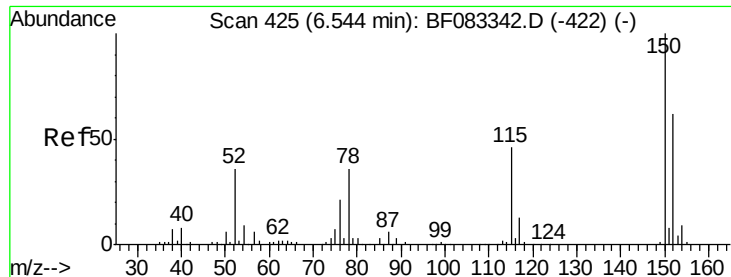
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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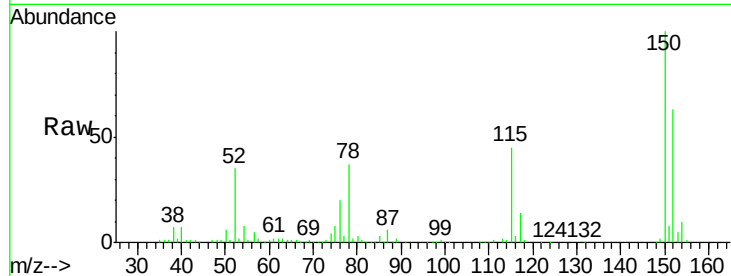


#1

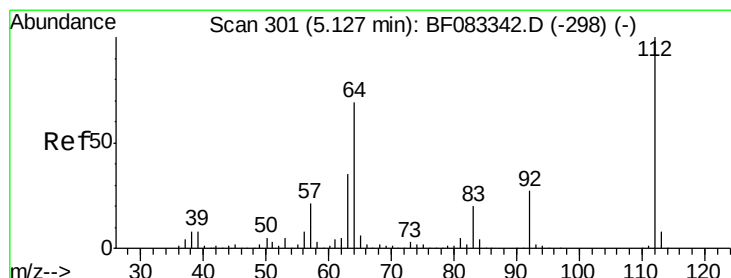
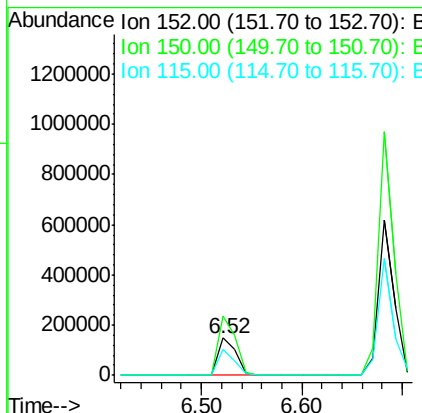
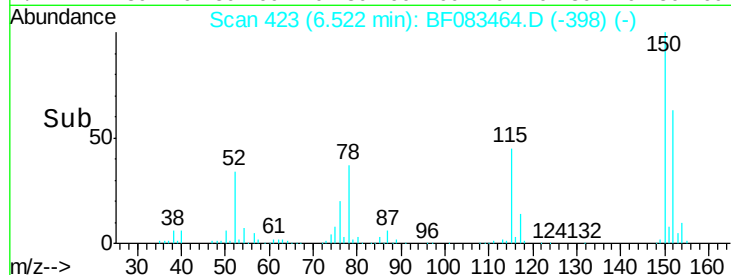
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184571
Ion Ratio Lower Upper
152 100
150 157.9 129.8 194.8
115 70.8 59.2 88.8



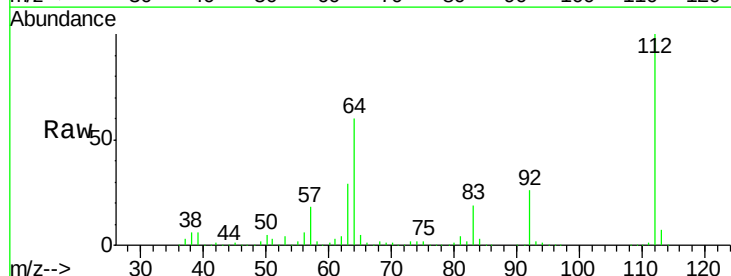
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



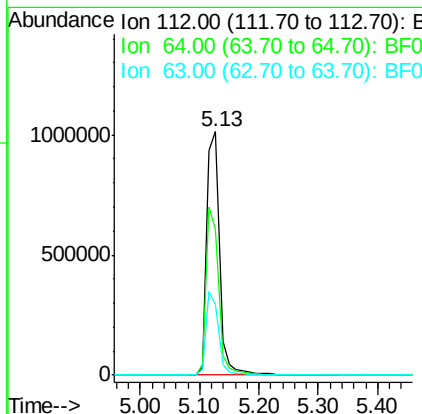
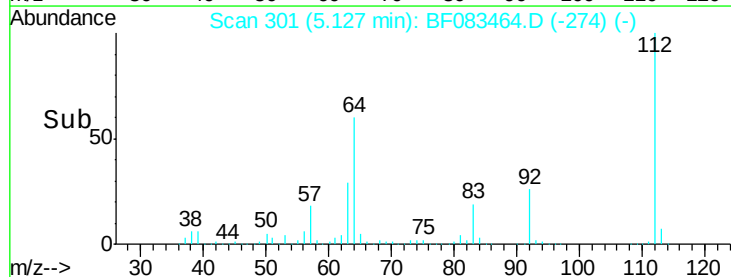
#5

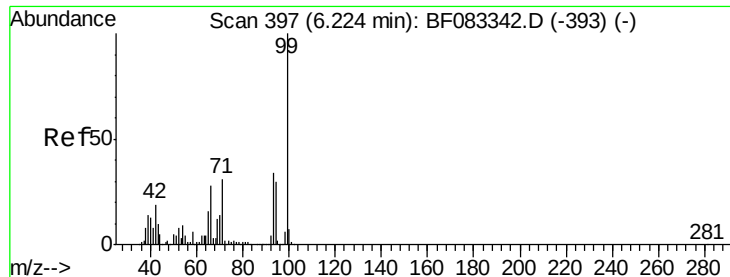
2-Fluorophenol
Concen: 126.14 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:112 Resp: 1551549
Ion Ratio Lower Upper
112 100
64 59.9 55.6 83.4
63 29.3 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: 116.89 ng

RT: 6.20 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

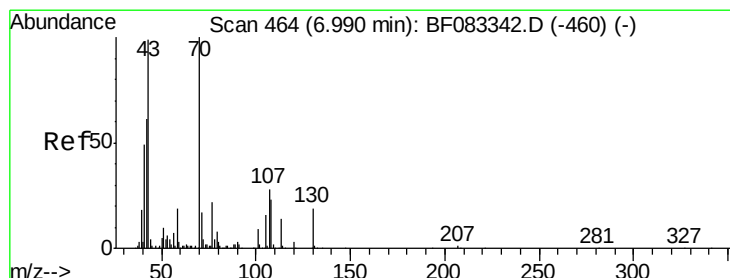
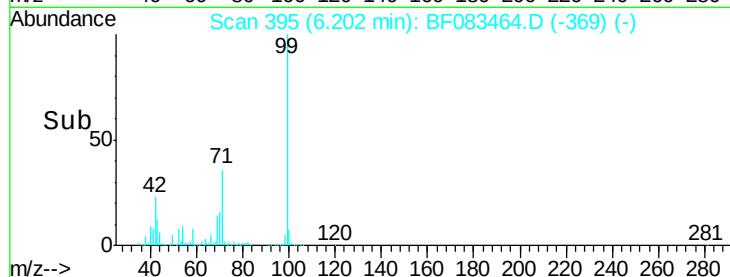
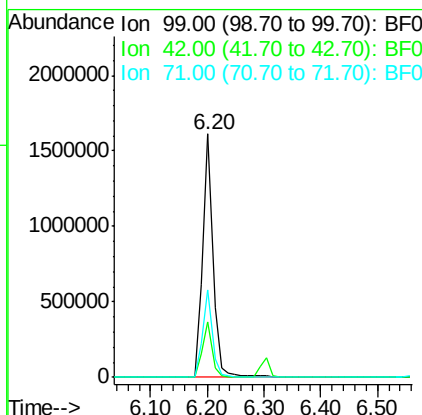
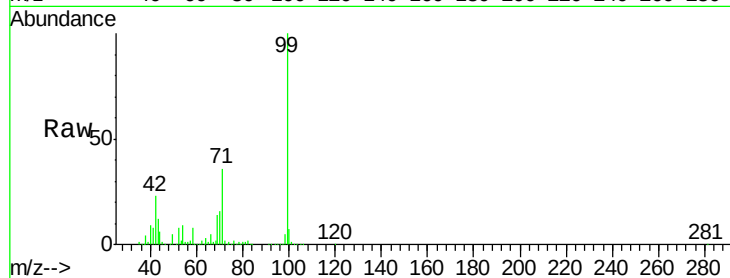
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1967894

Ion	Ratio	Lower	Upper
99	100		
42	22.8	14.9	22.3#
71	35.9	24.7	37.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.46 ng

RT: 7.10 min Scan# 474

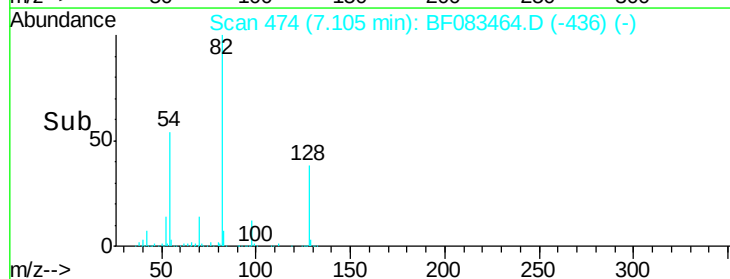
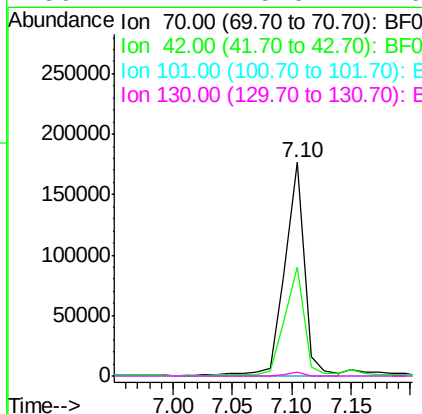
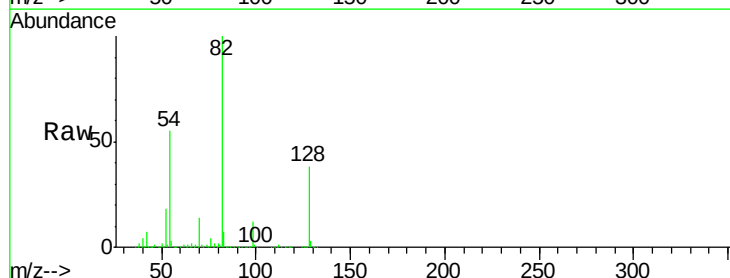
Delta R.T. 0.14 min

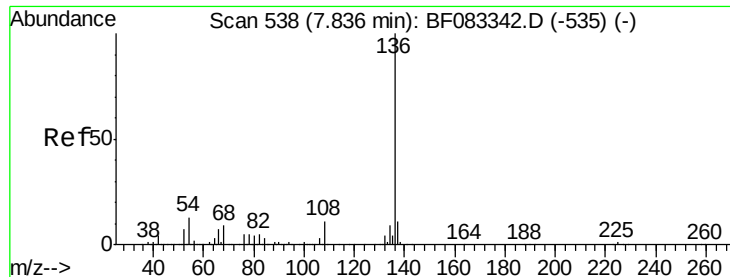
Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Tgt Ion: 70 Resp: 198092

Ion	Ratio	Lower	Upper
70	100		
42	51.1	48.8	73.2
101	0.0	7.1	10.7#
130	2.1	15.0	22.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: BF083464.D

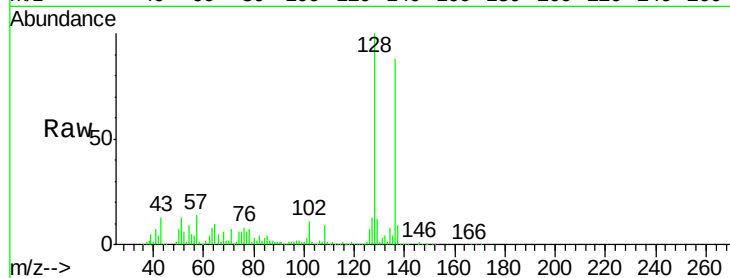
Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	701687
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	9.8	10.1 15.1#
68	7.1	7.1 10.7#

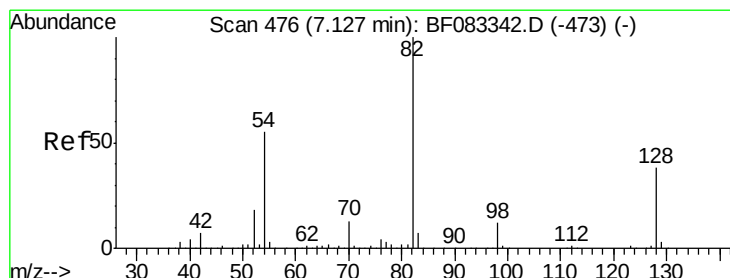
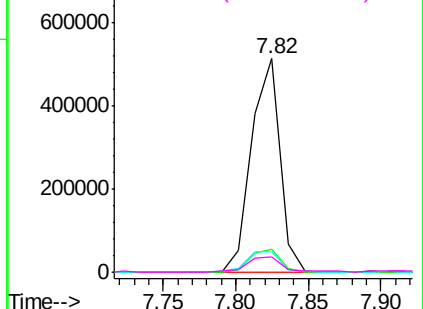
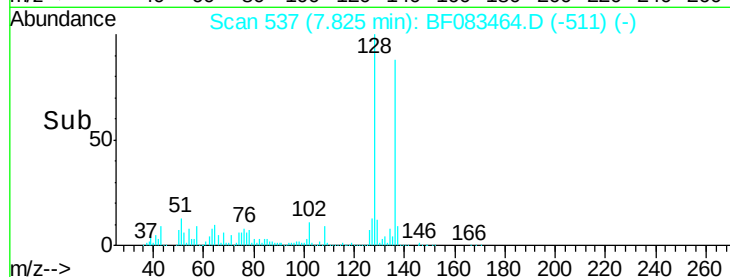


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.65 ng

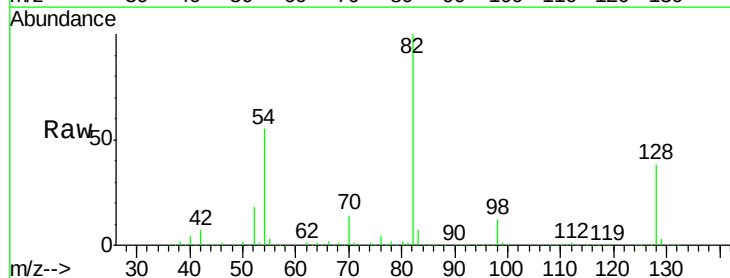
RT: 7.10 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

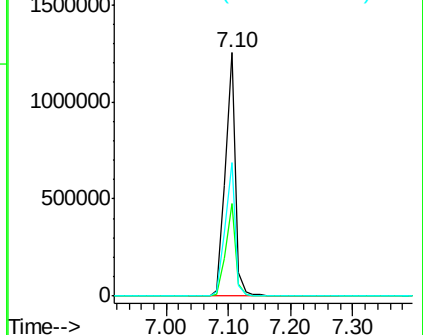
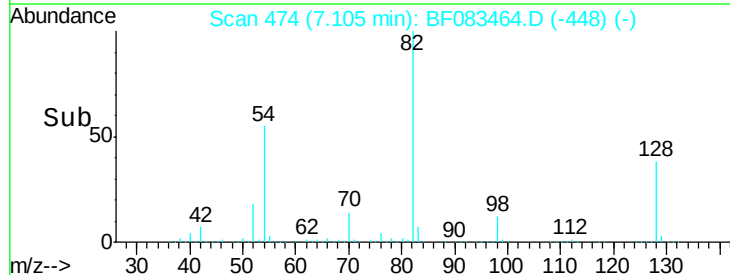
Tgt Ion: 82	Resp:	1399059
Ion Ratio	Lower	Upper
82	100	
128	37.9	30.6 46.0
54	54.8	43.8 65.6

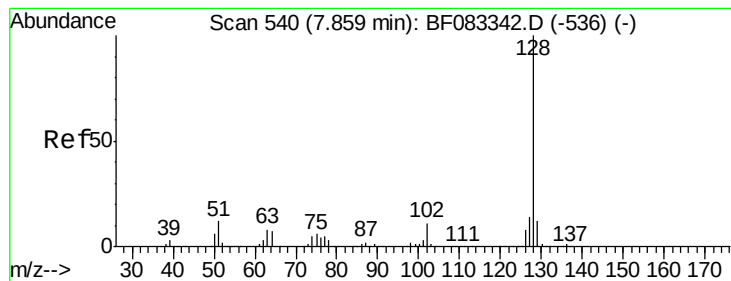


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 122.49 ng

RT: 7.85 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

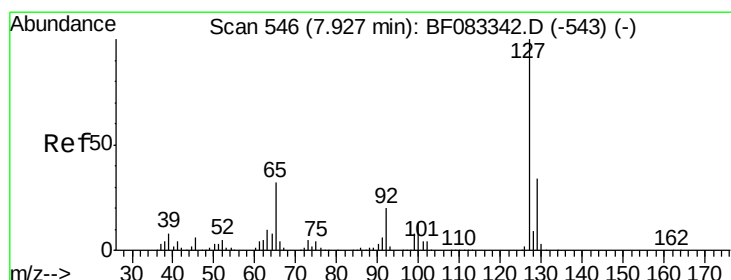
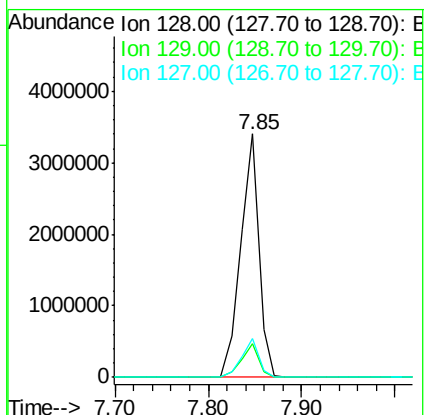
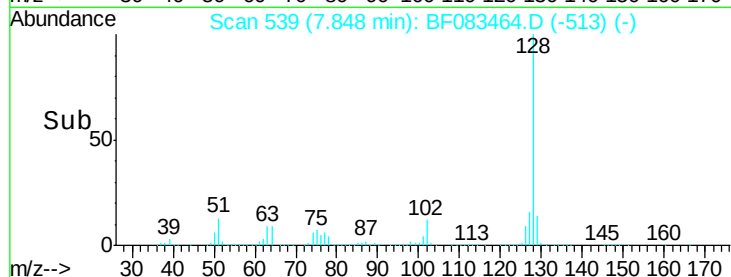
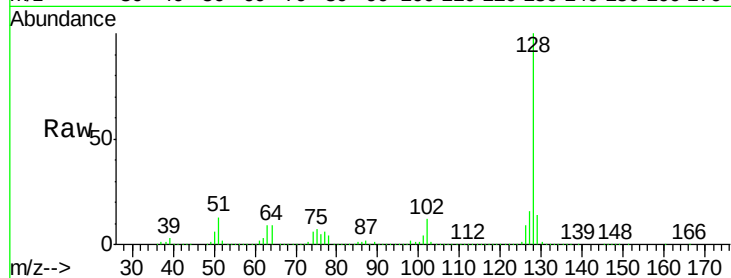
Tot Ion:128 Resp: 4663413

Ion Ratio Lower Upper

128 100

129 13.7 9.7 14.5

127 16.2 11.0 16.4



#33

4-Chloroaniline

Concen: 42.83 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.06 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Tgt Ion:127 Resp: 702884

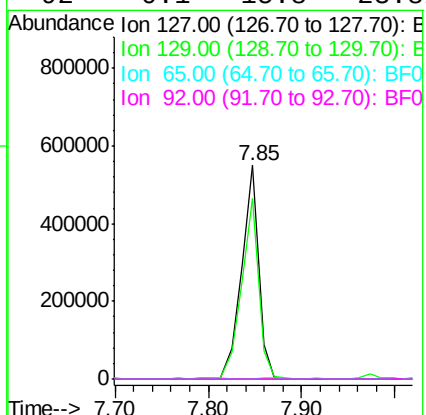
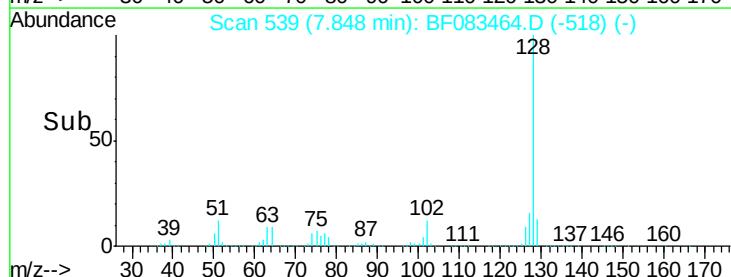
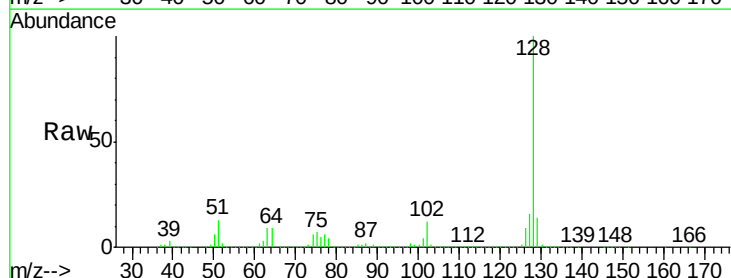
Ion Ratio Lower Upper

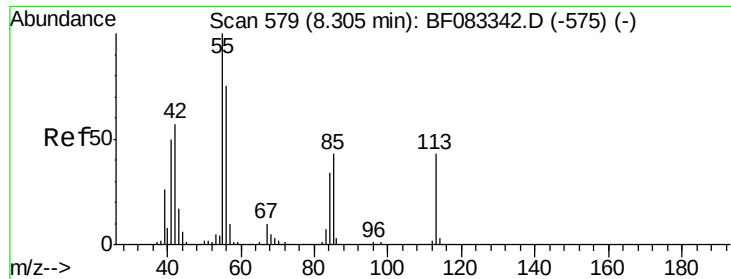
127 100

129 84.5 27.0 40.4#

65 0.0 25.9 38.9#

92 0.1 15.8 23.8#





#35

Caprolactam

Concen: 4.62 ng

RT: 8.27 min Scan# 576

Delta R.T. -0.03 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

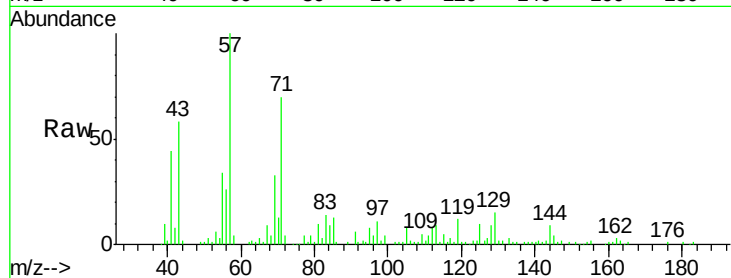
Tot Ion:113 Resp: 16389

Ion Ratio Lower Upper

113 100

55 356.3 211.6 251.6#

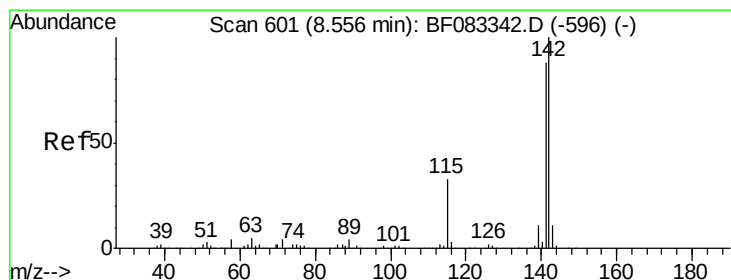
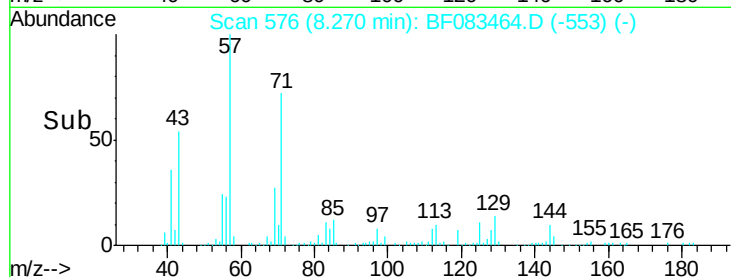
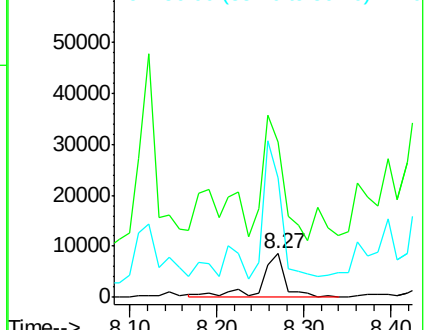
56 272.8 153.0 193.0#



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: 39.19 ng

RT: 8.53 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

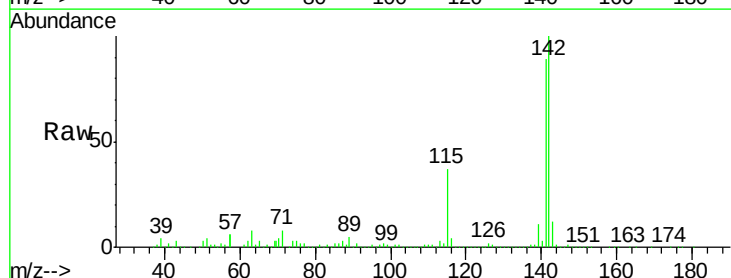
Tgt Ion:142 Resp: 997081

Ion Ratio Lower Upper

142 100

141 88.8 70.6 105.8

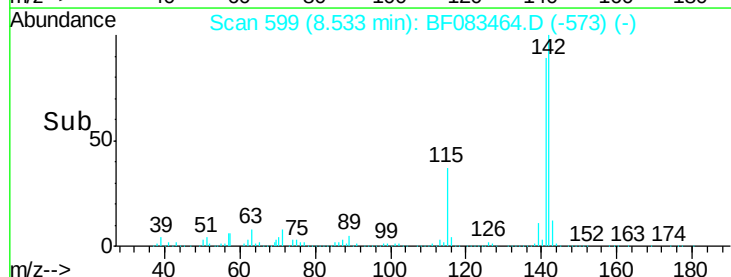
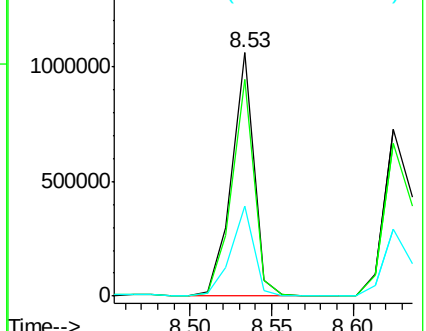
115 37.1 26.2 39.2

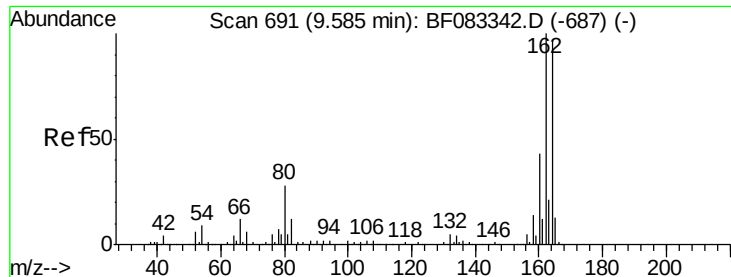


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

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ClientSampleId :

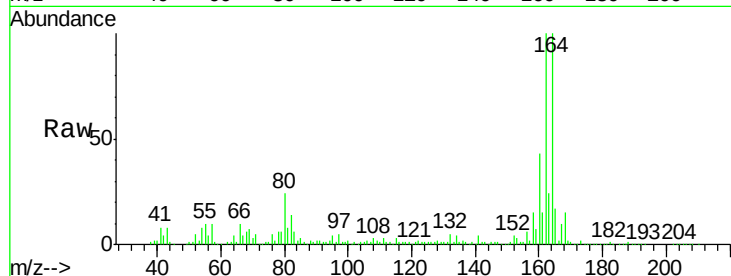
Tot Ion:164 Resp: 358236

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

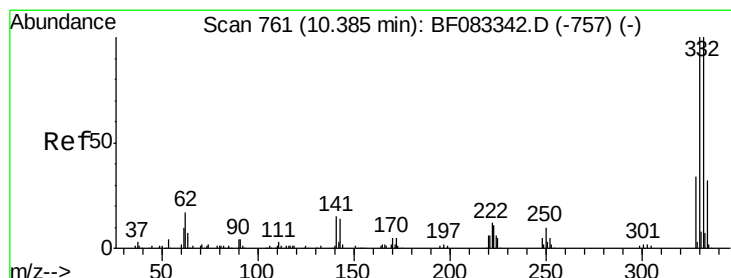
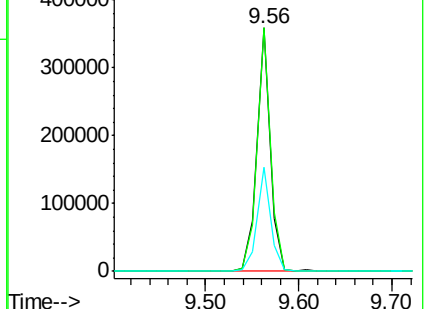
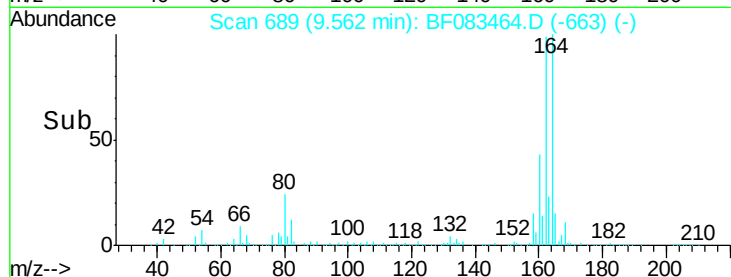
160 42.8 35.3 52.9



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: 108.07 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

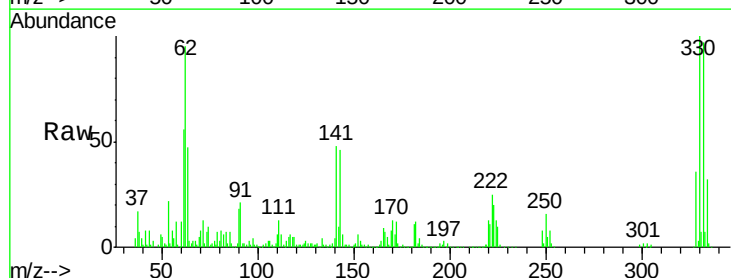
Tgt Ion:330 Resp: 388626

Ion Ratio Lower Upper

330 100

332 98.7 77.8 116.6

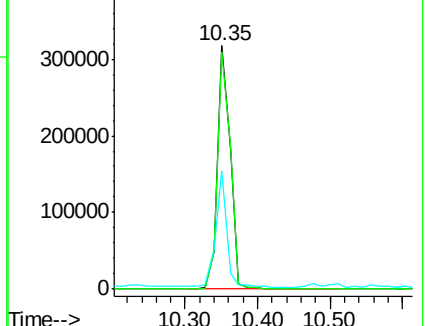
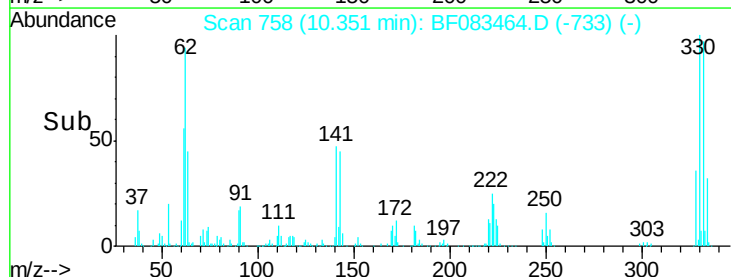
141 40.6 29.4 44.0

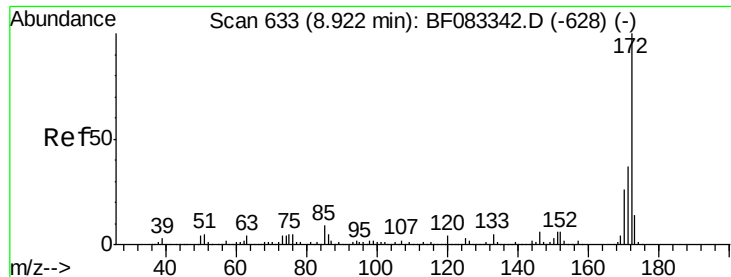


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

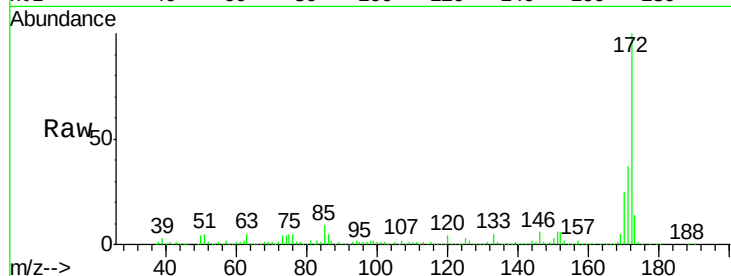




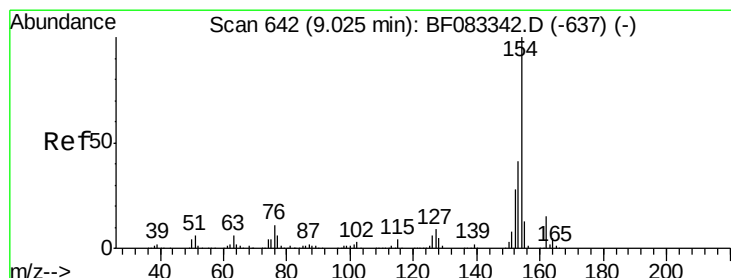
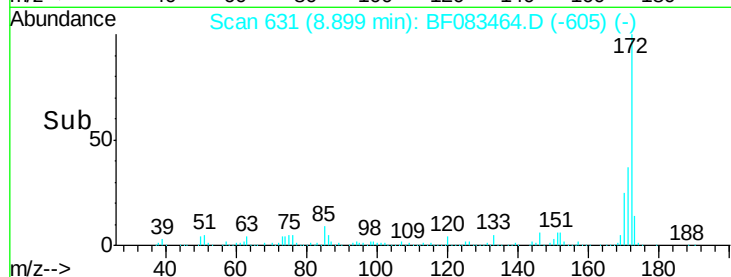
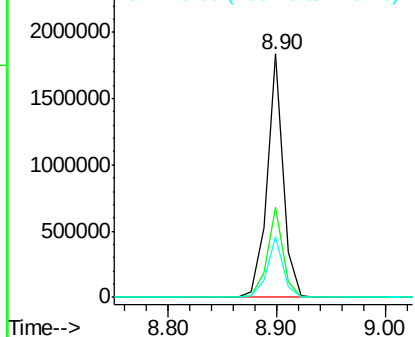
#44
2-Fluorobiphenyl
Concen: 75.47 ng
RT: 8.90 min Scan# 631
Delta R.T. 0.00 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1897286
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 25.0 20.4 30.6

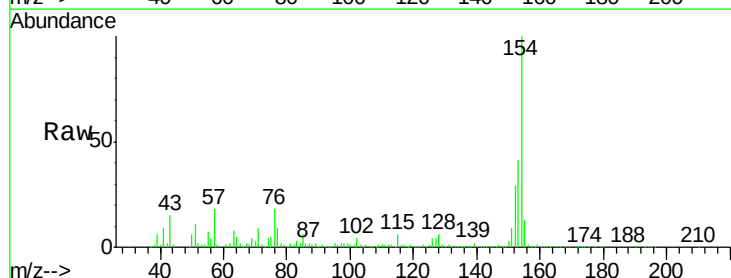


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

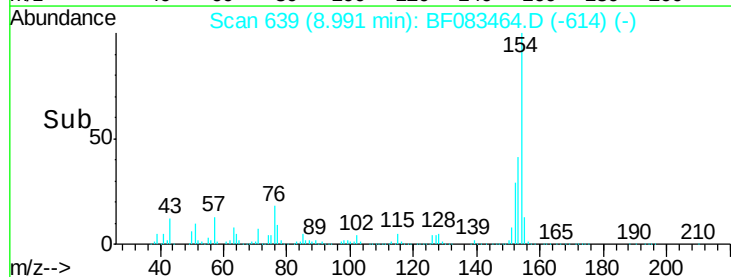
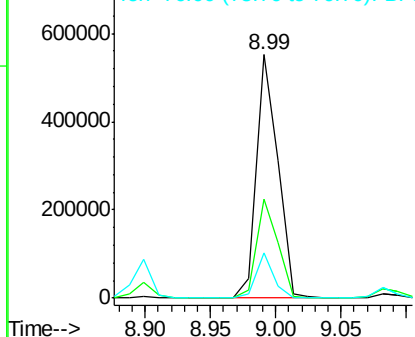


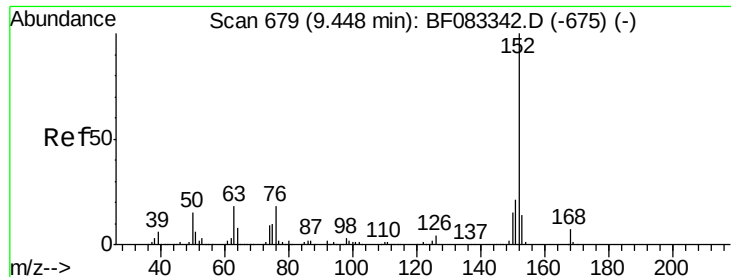
#45
1,1'-Biphenyl
Concen: 20.23 ng
RT: 8.99 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:154 Resp: 635528
Ion Ratio Lower Upper
154 100
153 40.9 20.6 60.6
76 18.5 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: 15.88 ng

RT: 9.42 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

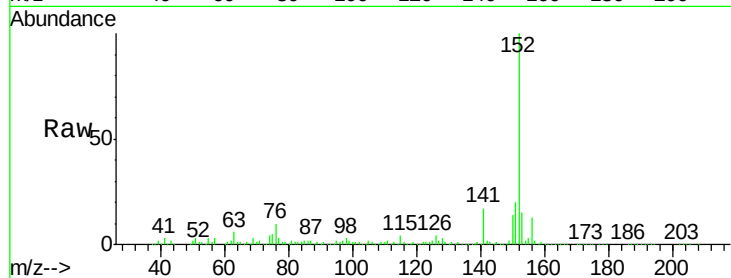
Tot Ion:152 Resp: 606505

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

153 14.6 11.2 16.8

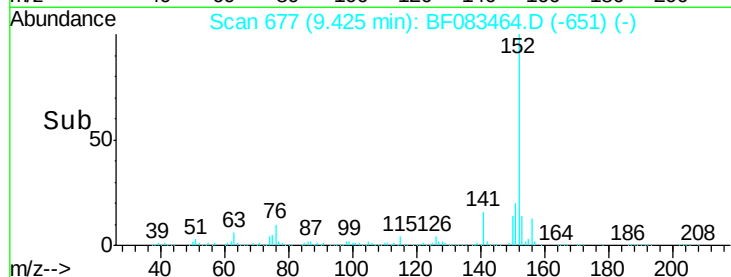


Abundance Ion 152.00 (151.70 to 152.70): E

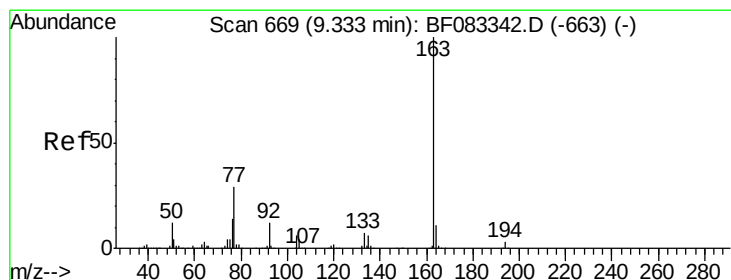
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



Time-->



#49

Dimethylphthalate

Concen: 9.14 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

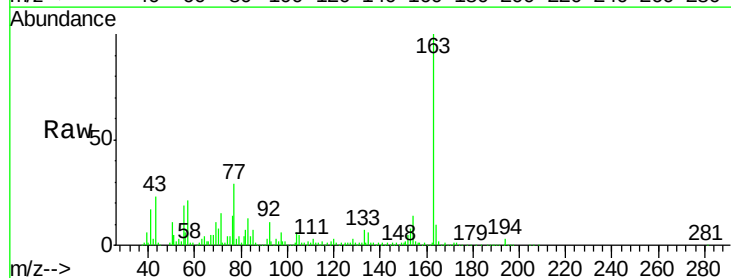
Tgt Ion:163 Resp: 265992

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 10.1 8.8 13.2

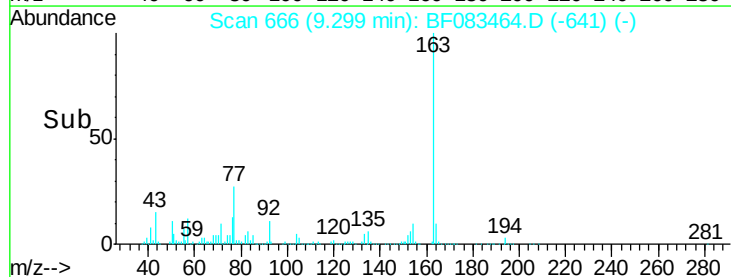


Abundance Ion 163.00 (162.70 to 163.70): E

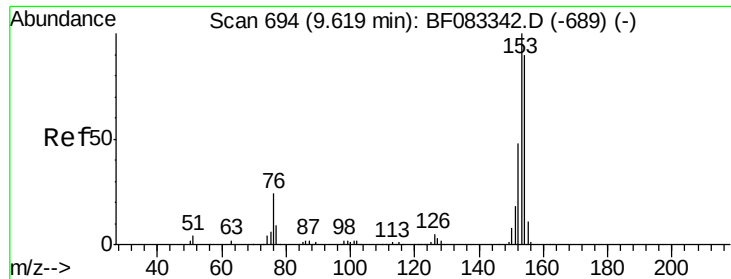
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#51

Acenaphthene

Concen: 71.28 ng

RT: 9.60 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

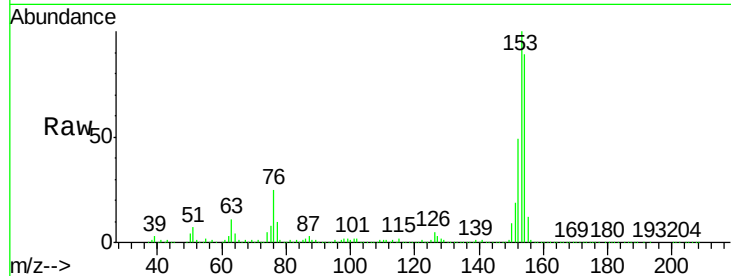
Tot Ion:154 Resp: 1600927

Ion Ratio Lower Upper

154 100

153 112.3 89.3 133.9

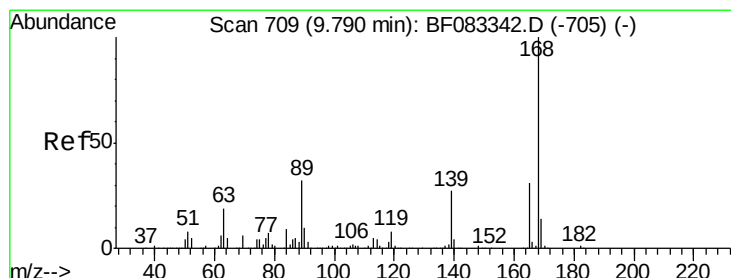
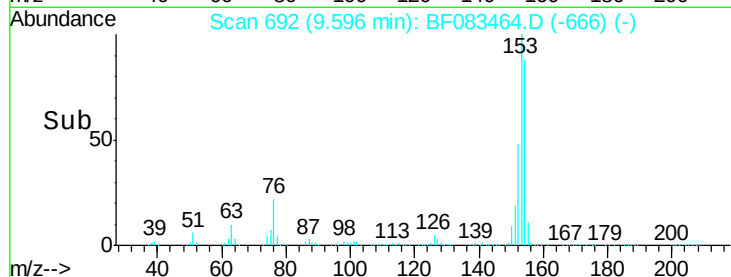
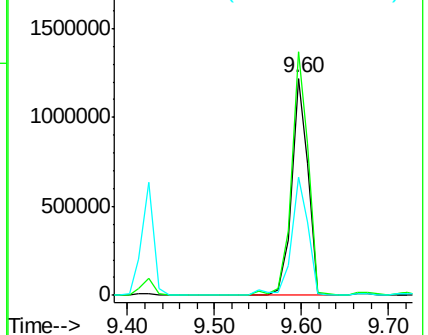
152 54.7 42.5 63.7



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: 5.45 ng

RT: 9.77 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

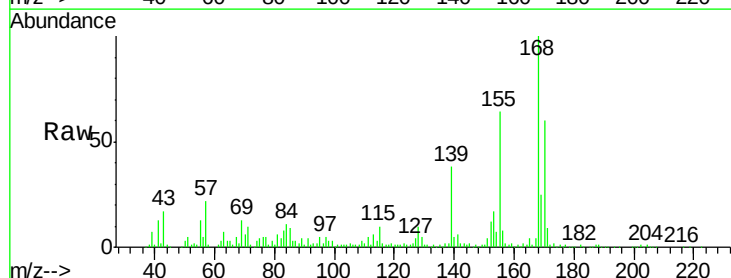
Tgt Ion:168 Resp: 179425

Ion Ratio Lower Upper

168 100

139 37.9 32.7 49.1

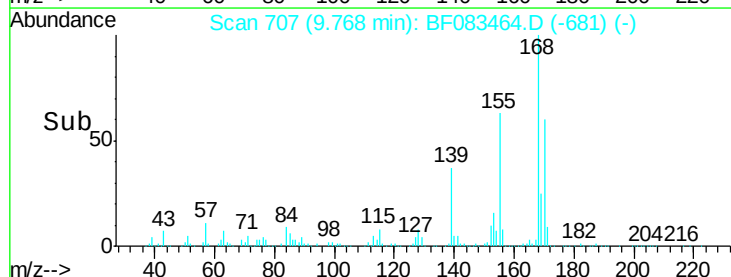
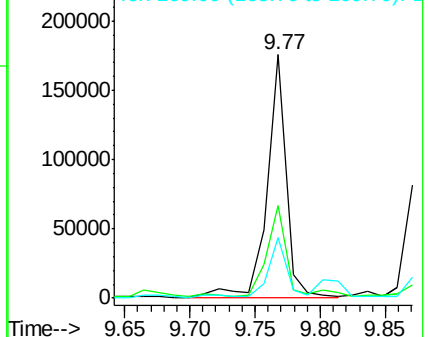
169 25.0 11.1 16.7#

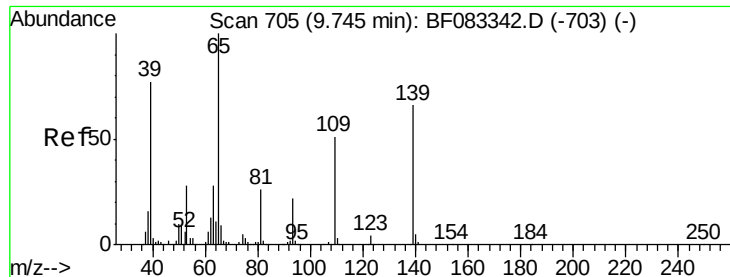


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

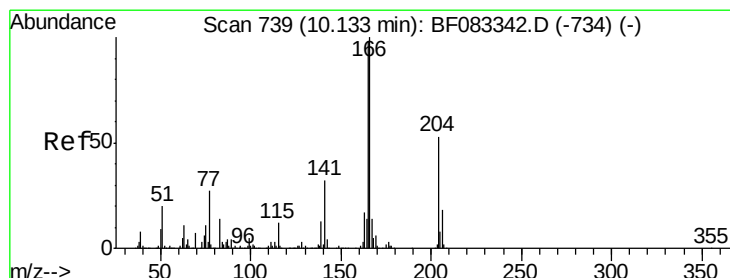
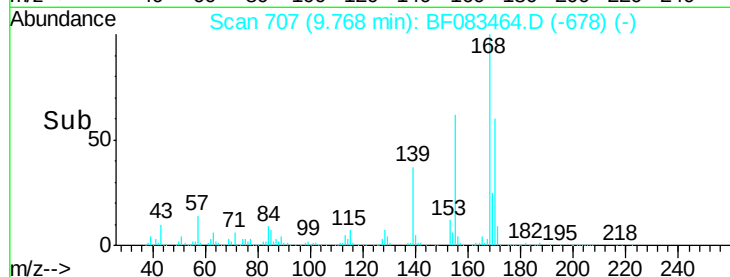
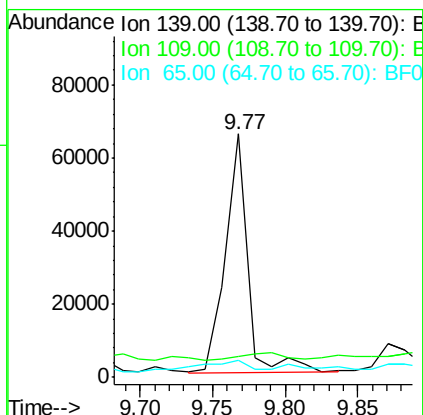
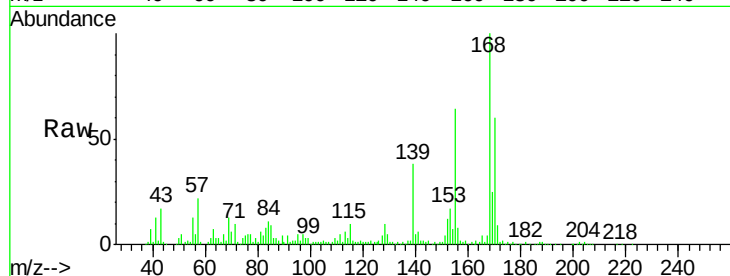




#55
4-Nitrophenol
Concen: 15.43 ng
RT: 9.77 min Scan# 707
Delta R.T. 0.03 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

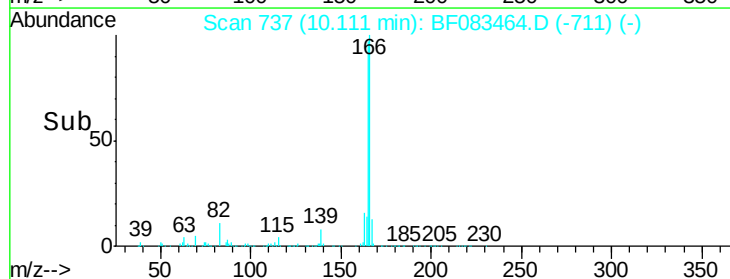
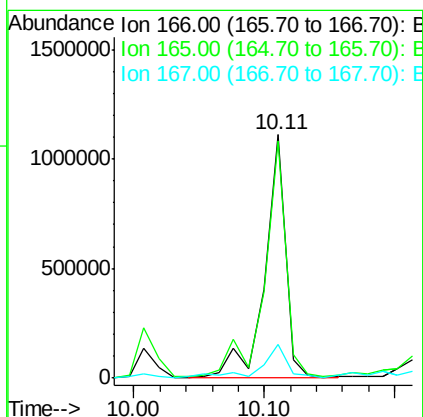
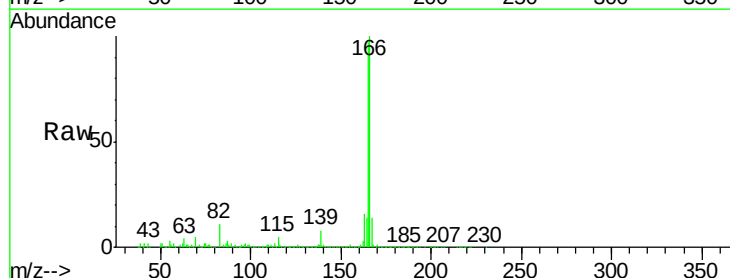
Instrument :
BNA_F
ClientSampleId :

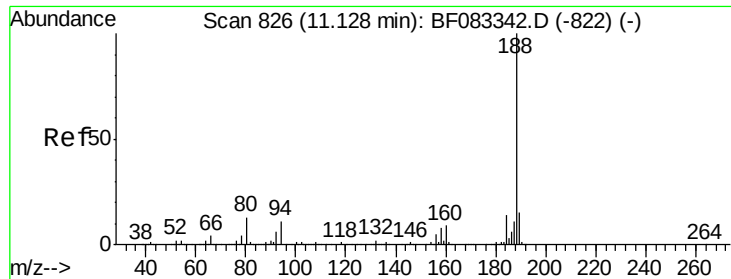
Tot Ion:139 Resp: 70331
Ion Ratio Lower Upper
139 100
109 8.8 57.4 97.4#
65 6.9 131.6 171.6#



#57
Fluorene
Concen: 47.41 ng
RT: 10.11 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:166 Resp: 1232324
Ion Ratio Lower Upper
166 100
165 97.4 78.3 117.5
167 13.8 11.1 16.7

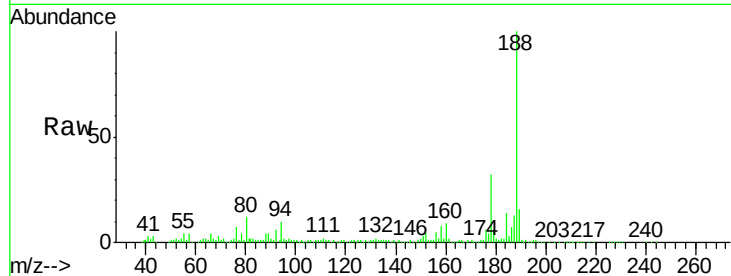




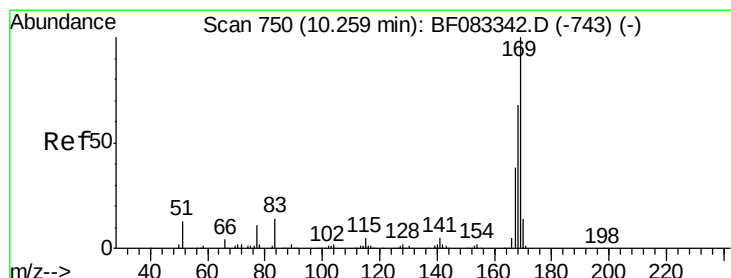
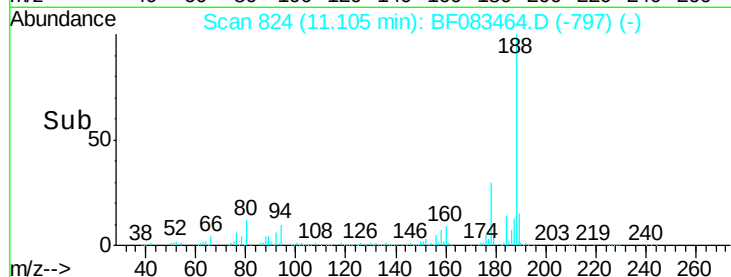
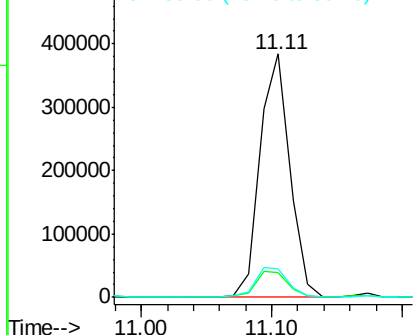
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 615938
Ion Ratio Lower Upper
188 100
94 10.4 8.7 13.1
80 11.9 10.3 15.5

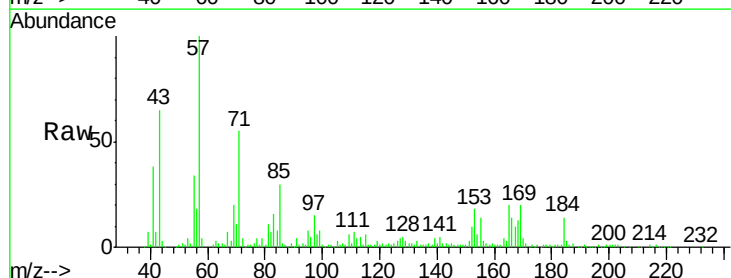


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

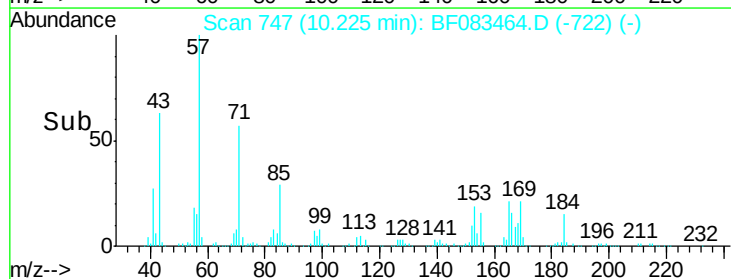
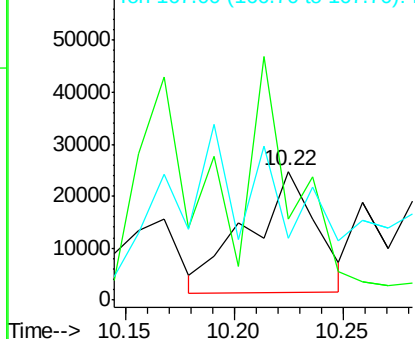


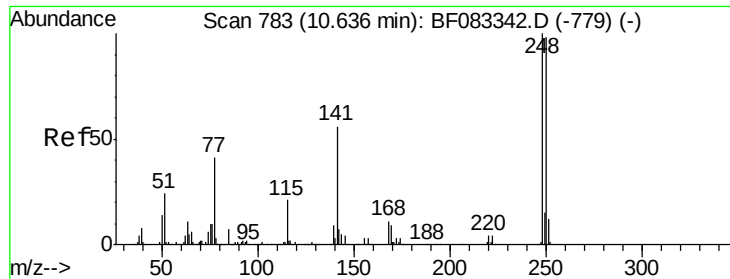
#65
n-Nitrosodiphenylamine
Concen: 2.35 ng
RT: 10.22 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:169 Resp: 50932
Ion Ratio Lower Upper
169 100
168 63.2 54.8 82.2
167 48.2 30.2 45.2#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.29 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.25 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

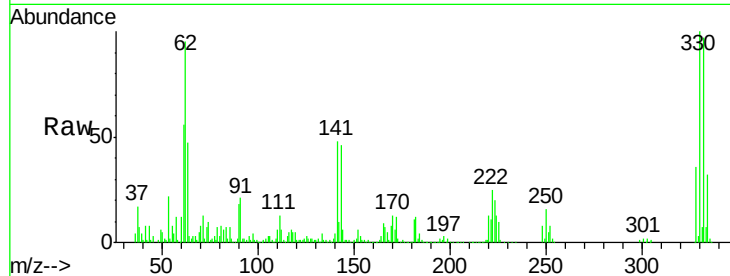
Tot Ion:248 Resp: 22179

Ion Ratio Lower Upper

248 100

250 205.7 78.6 118.0#

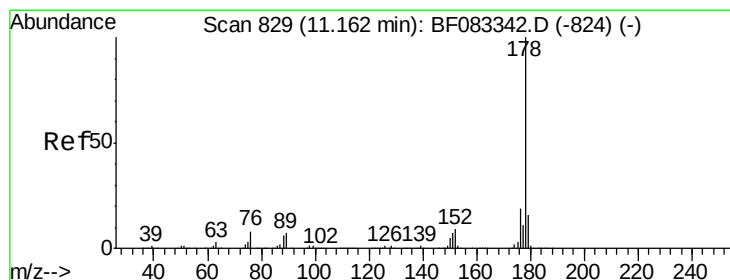
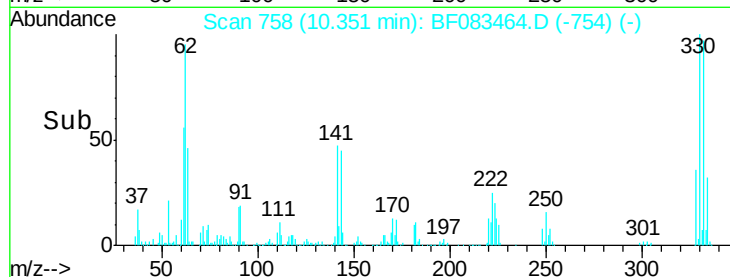
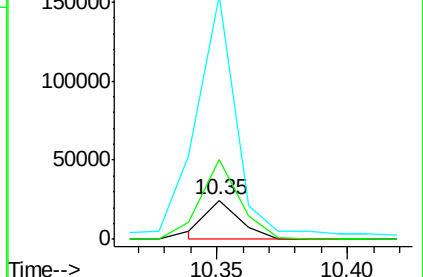
141 626.8 44.4 66.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 153.92 ng

RT: 11.15 min Scan# 828

Delta R.T. 0.02 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

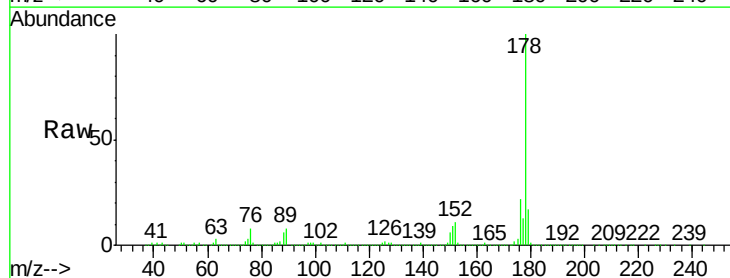
Tgt Ion:178 Resp: 5610455

Ion Ratio Lower Upper

178 100

176 22.1 15.3 22.9

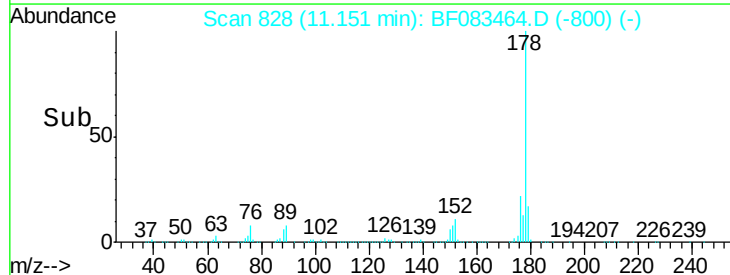
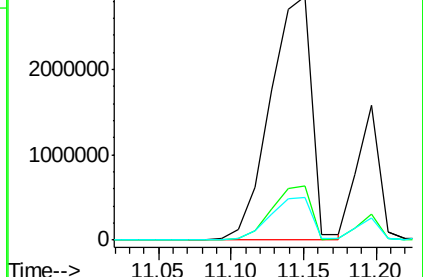
179 17.3 12.4 18.6

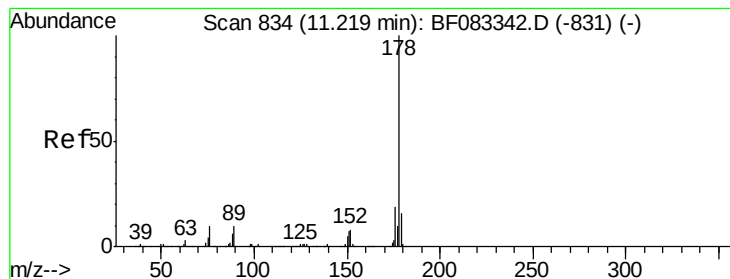


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 45.72 ng

RT: 11.20 min Scan# 832

Delta R.T. 0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

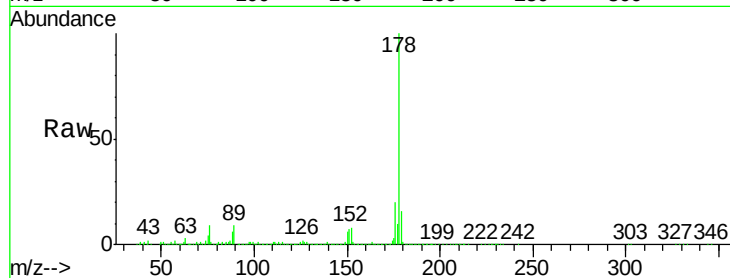
Tot Ion:178 Resp: 1677752

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

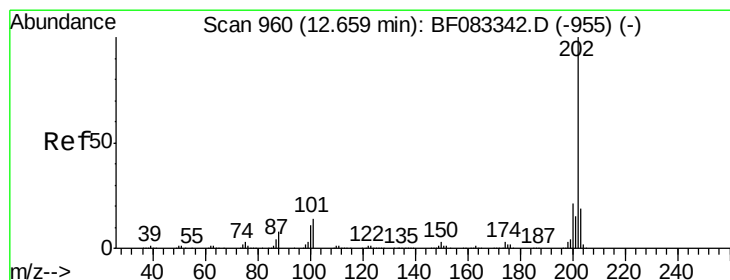
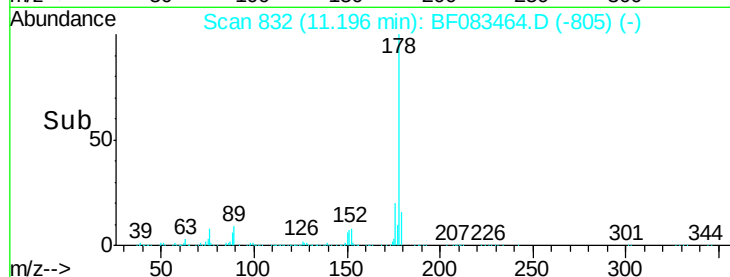
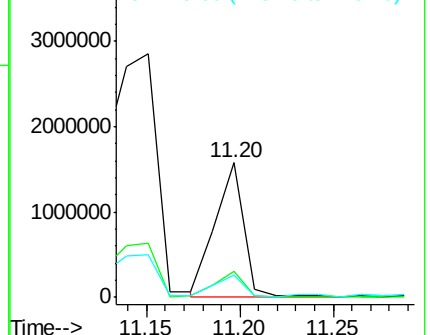
179 16.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 87.47 ng

RT: 12.64 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

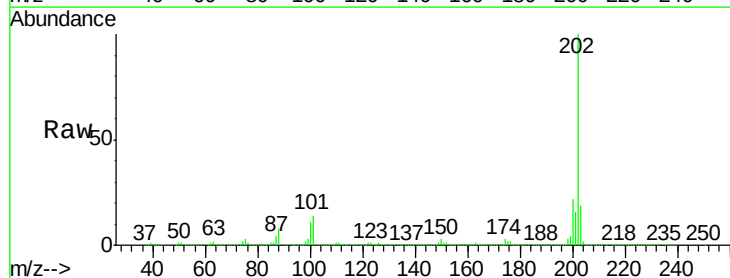
Tgt Ion:202 Resp: 3305031

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.5

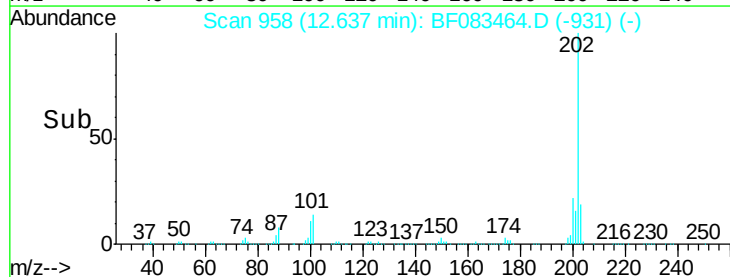
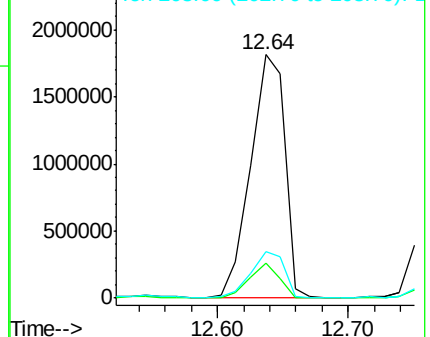
203 18.9 0.0 38.7

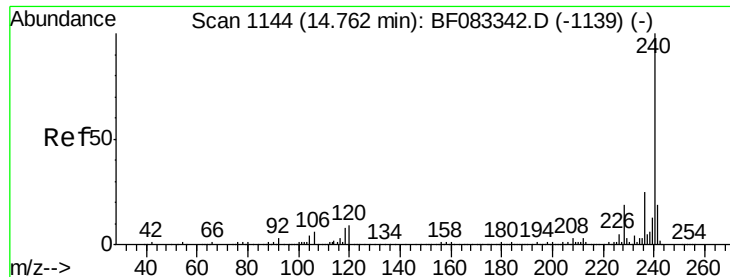


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.72 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampled :

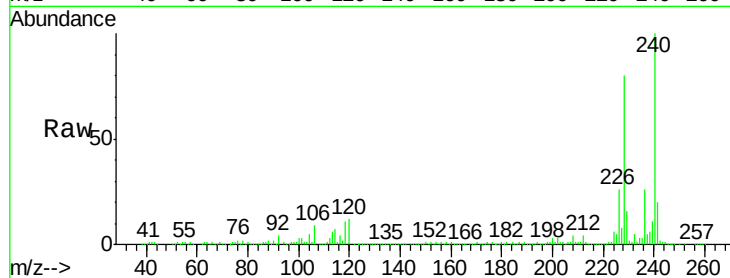
Tot Ion:240 Resp: 473338

Ion Ratio Lower Upper

240 100

120 11.9 6.9 10.3#

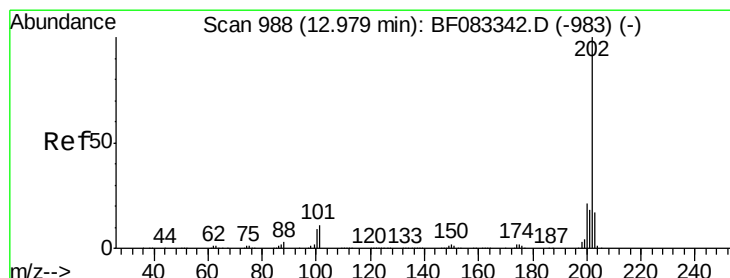
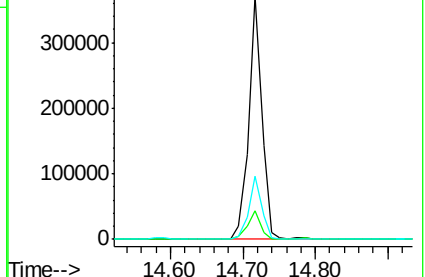
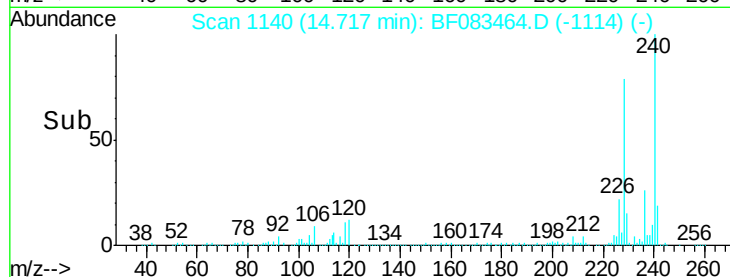
236 25.7 19.8 29.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 122.77 ng

RT: 12.96 min Scan# 986

Delta R.T. 0.02 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

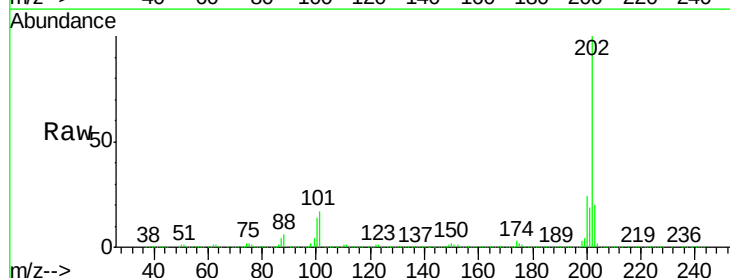
Tgt Ion:202 Resp: 4058228

Ion Ratio Lower Upper

202 100

200 23.9 16.9 25.3

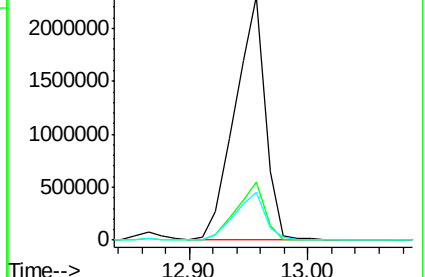
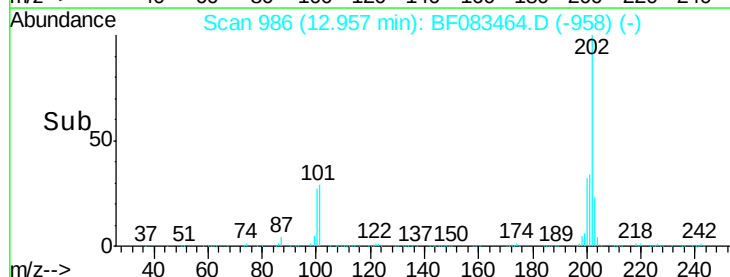
203 19.8 13.9 20.9

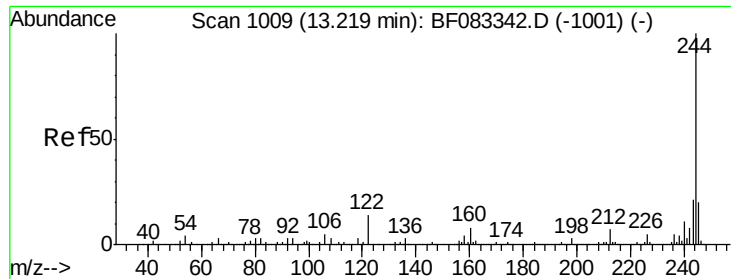


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

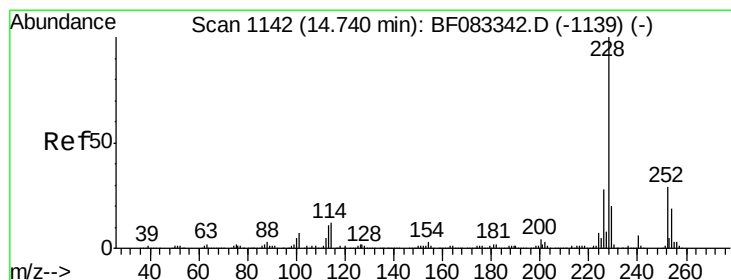
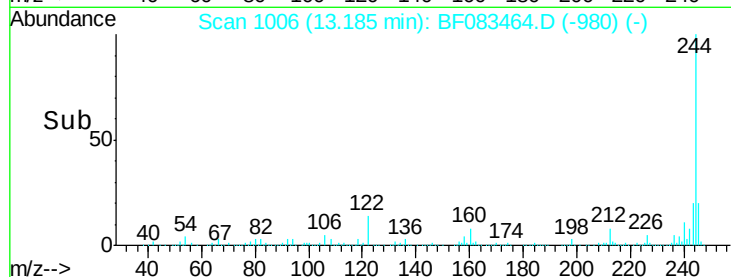
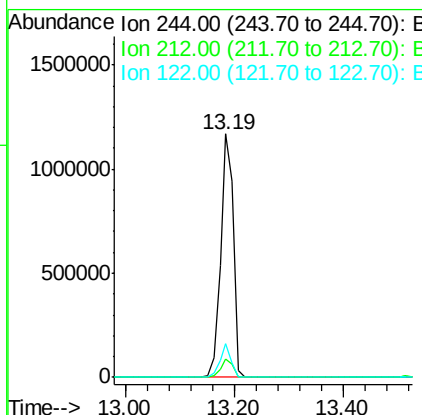
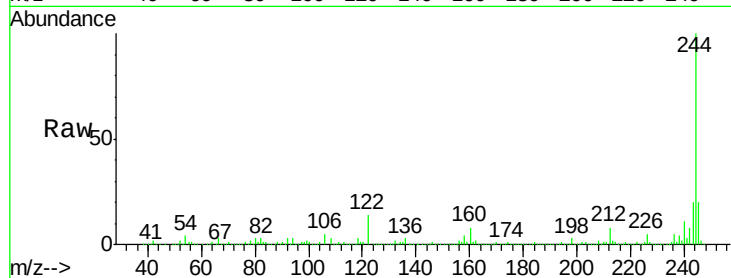




#78
 Terphenyl-d14
 Concen: 96.82 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BF083464.D
 Acq: 3 Dec 2015 17:10

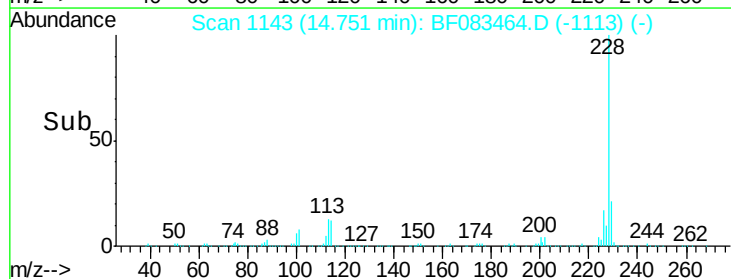
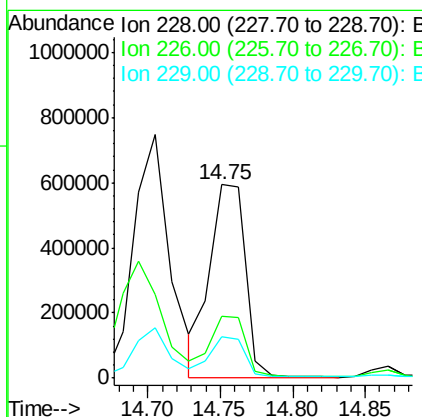
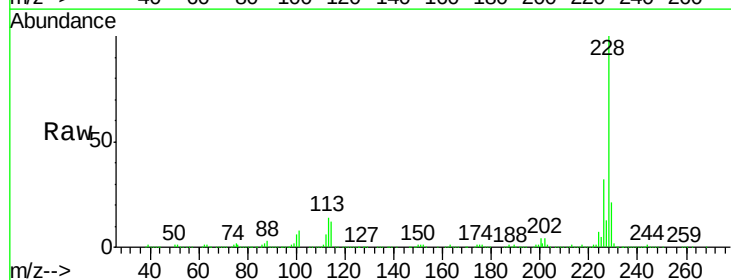
Instrument :
 BNA_F
 ClientSampleId :

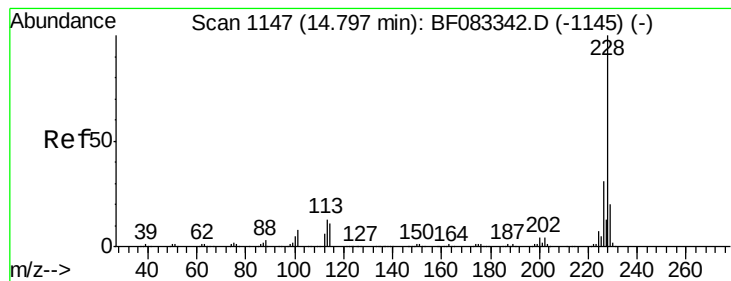
Tot Ion:244 Resp: 1921620
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 13.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 35.08 ng
 RT: 14.75 min Scan# 1143
 Delta R.T. 0.05 min
 Lab File: BF083464.D
 Acq: 3 Dec 2015 17:10

Tgt Ion:228 Resp: 1017183
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.2 33.4
 229 21.5 16.1 24.1





#82

Chrysene

Concen: 36.33 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampled :

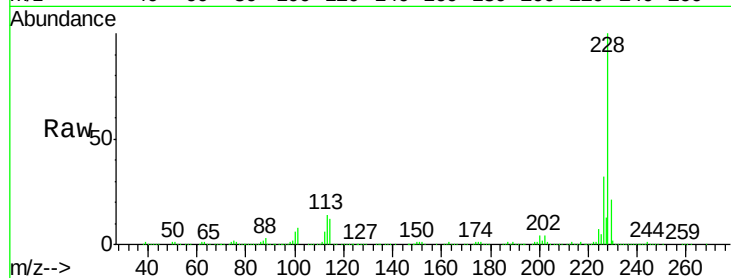
Tot Ion:228 Resp: 1017979

Ion Ratio Lower Upper

228 100

226 32.1 24.6 37.0

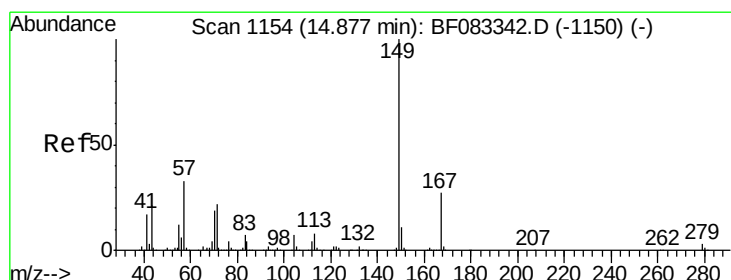
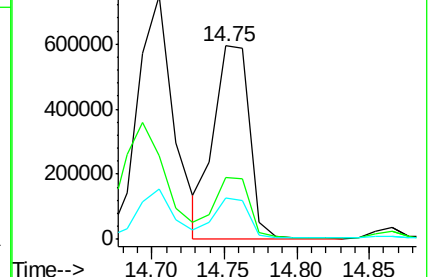
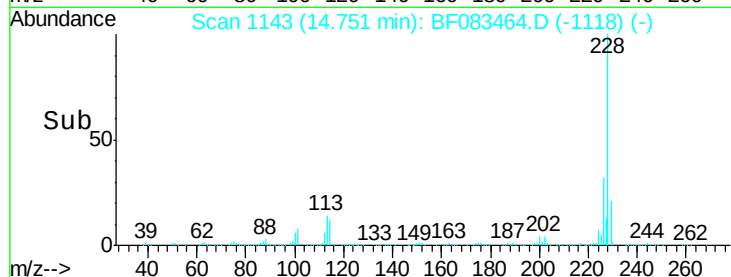
229 21.5 16.2 24.2



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: 2.73 ng

RT: 14.82 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

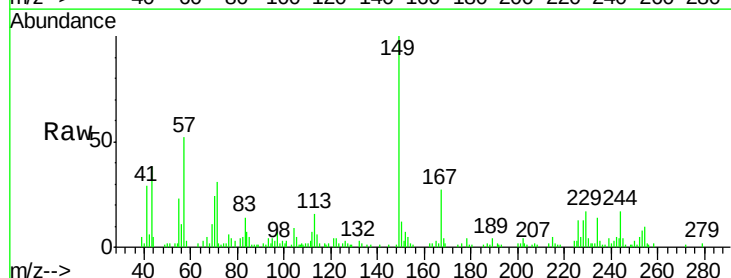
Tgt Ion:149 Resp: 51364

Ion Ratio Lower Upper

149 100

167 26.6 21.5 32.3

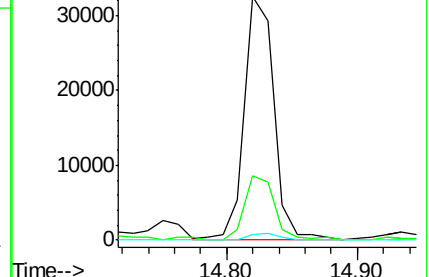
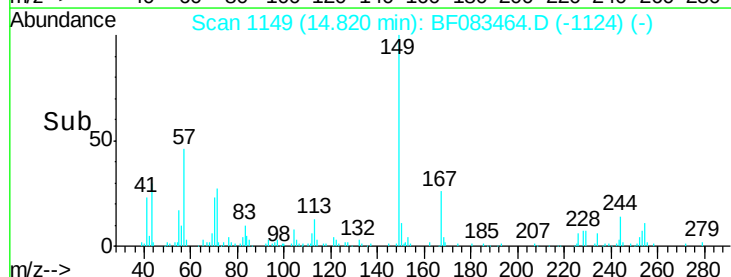
279 2.3 2.6 3.8#

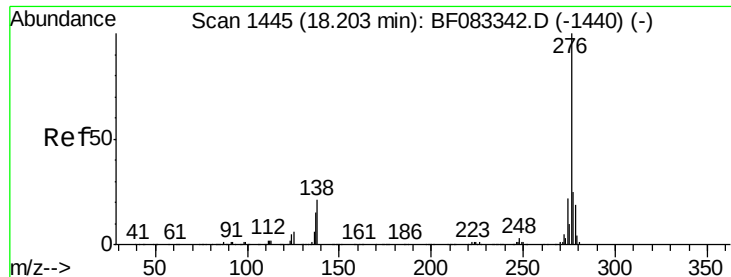


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.58 ng

RT: 18.16 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

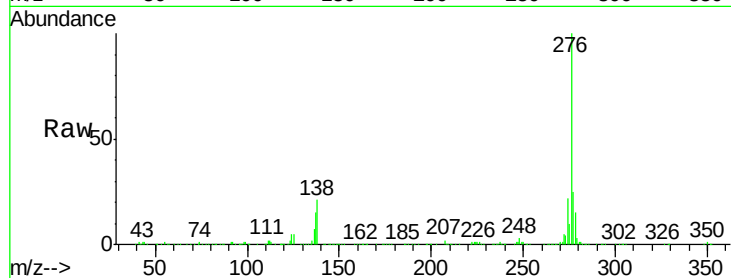
Tot Ion:276 Resp: 481152

Ion Ratio Lower Upper

276 100

138 22.6 21.2 31.8

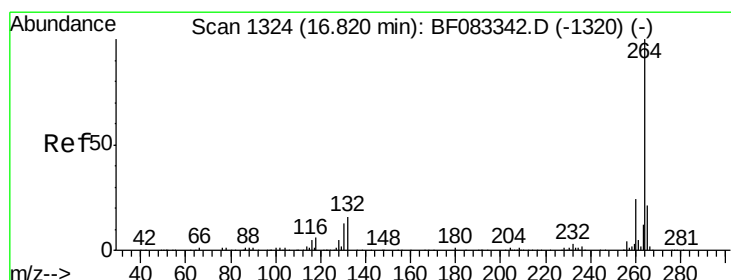
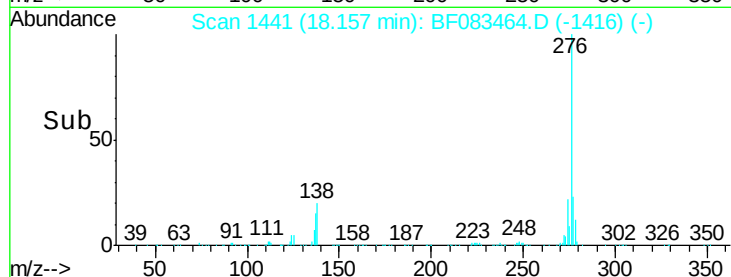
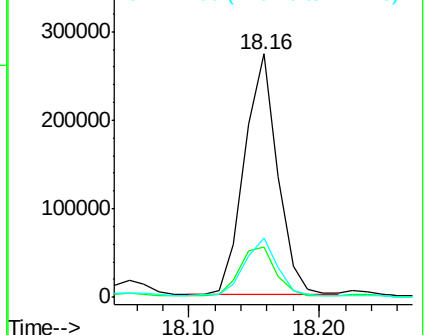
277 24.9 20.0 30.0



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: 16.77 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

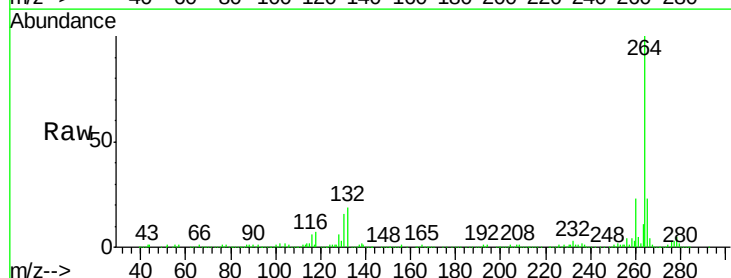
Tgt Ion:264 Resp: 395676

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

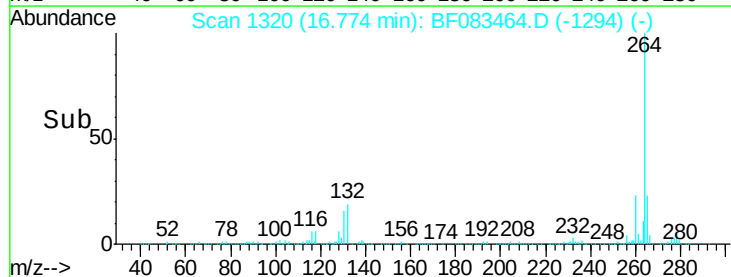
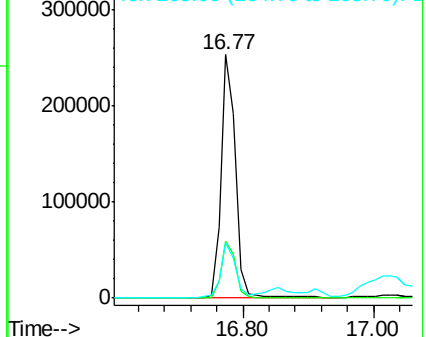
265 22.8 16.8 25.2

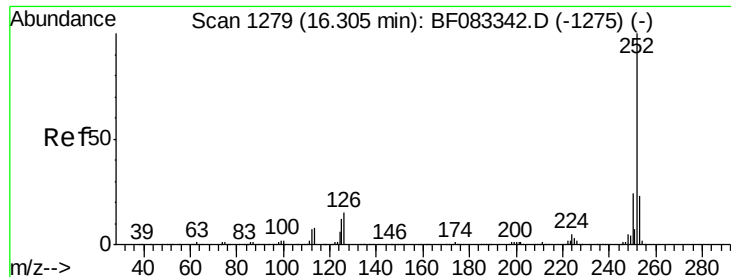


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

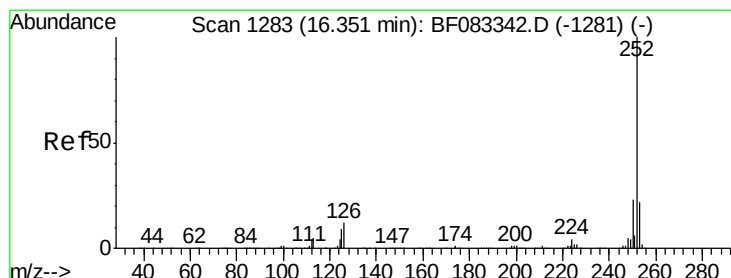
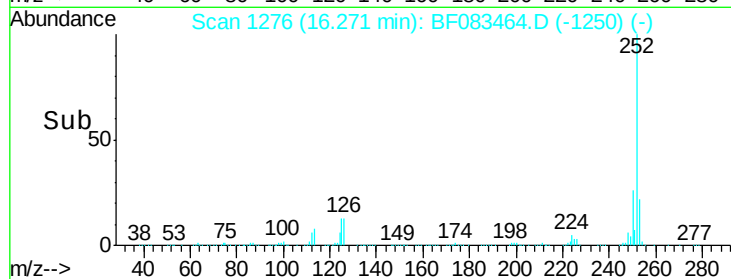
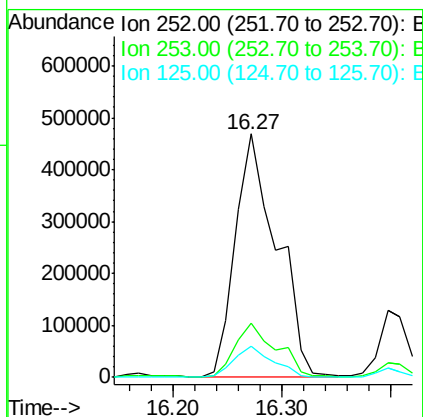
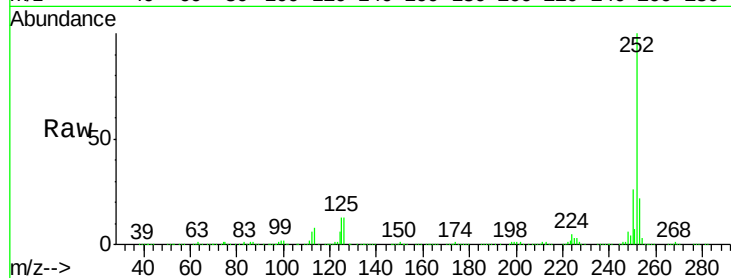




#87
Benzo(b)fluoranthene
Concen: 48.38 ng
RT: 16.27 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

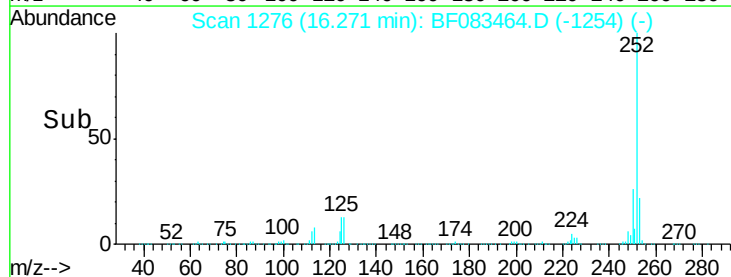
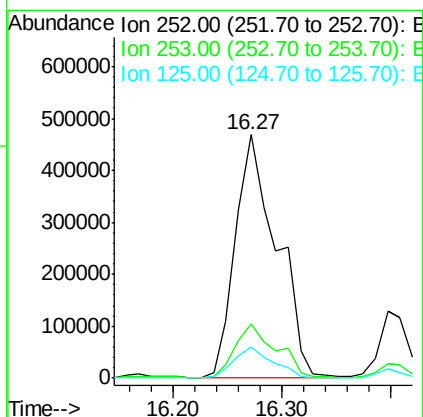
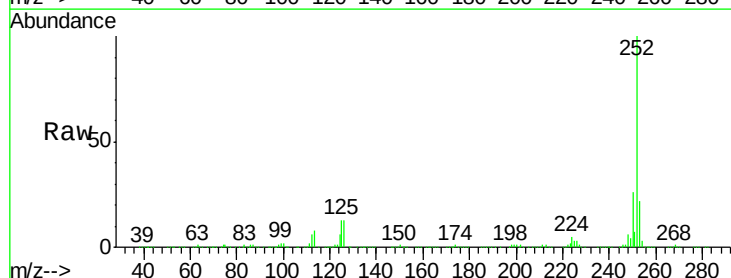
Instrument :
BNA_F
ClientSampleId :

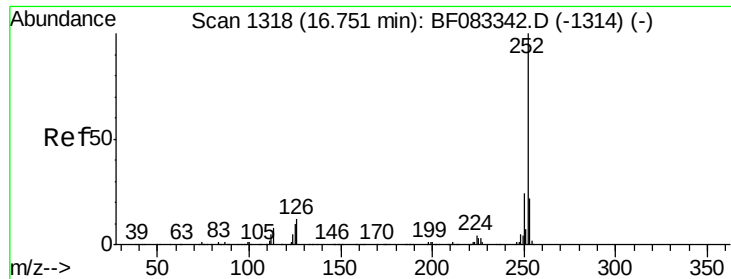
Tot Ion:252 Resp: 1228199
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 13.0 9.6 14.4



#88
Benzo(k)fluoranthene
Concen: 51.23 ng
RT: 16.27 min Scan# 1276
Delta R.T. -0.05 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:252 Resp: 1228199
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 13.0 7.5 11.3#

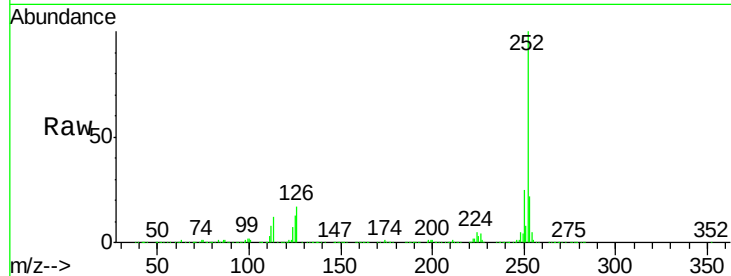




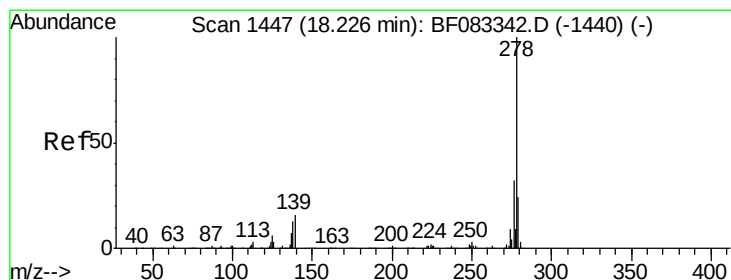
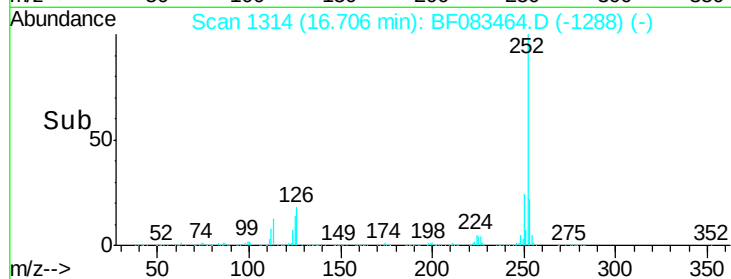
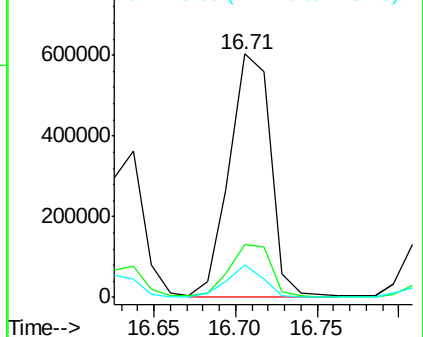
#89
Benzo(a)pyrene
Concen: 48.24 ng
RT: 16.71 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1052026
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 13.3 7.8 11.8#

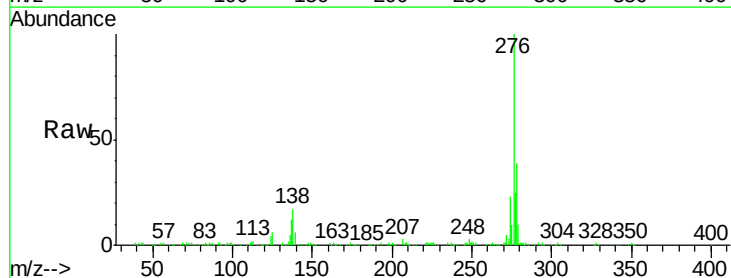


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

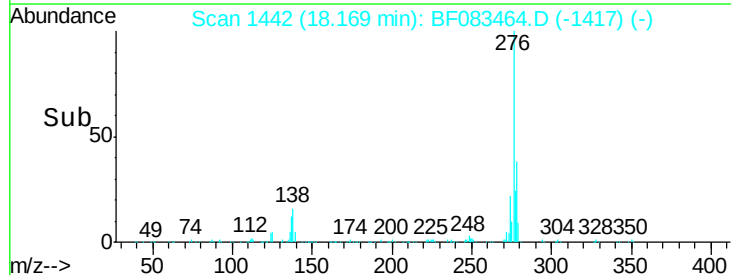
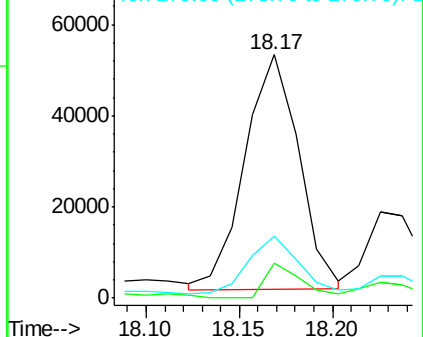


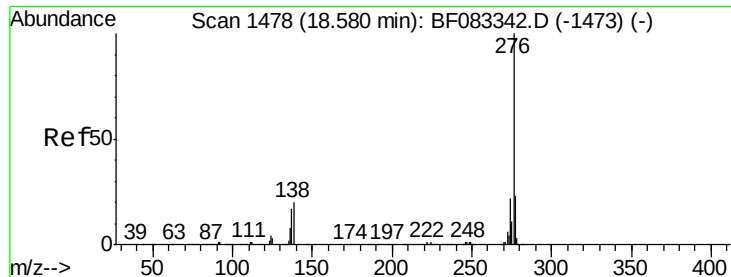
#90
Dibenzo(a,h)anthracene
Concen: 5.47 ng
RT: 18.17 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF083464.D
Acq: 3 Dec 2015 17:10

Tgt Ion:278 Resp: 103859
Ion Ratio Lower Upper
278 100
139 14.5 13.1 19.7
279 25.5 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(a,h,i)perylene

Concen: 13.64 ng

RT: 18.73 min Scan# 1491

Delta R.T. 0.19 min

Lab File: BF083464.D

Acq: 3 Dec 2015 17:10

Instrument :

BNA_F

ClientSampleId :

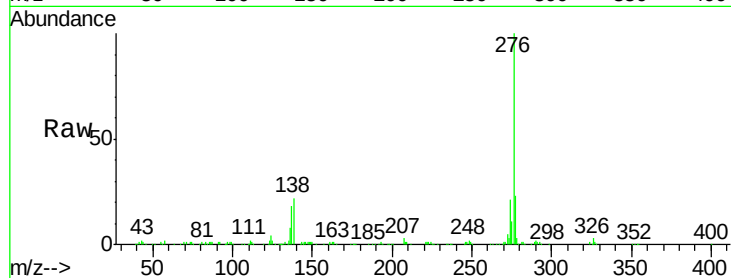
Tot Ion: 276 Resp: 254352

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 21.8 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

