

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 16:58:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

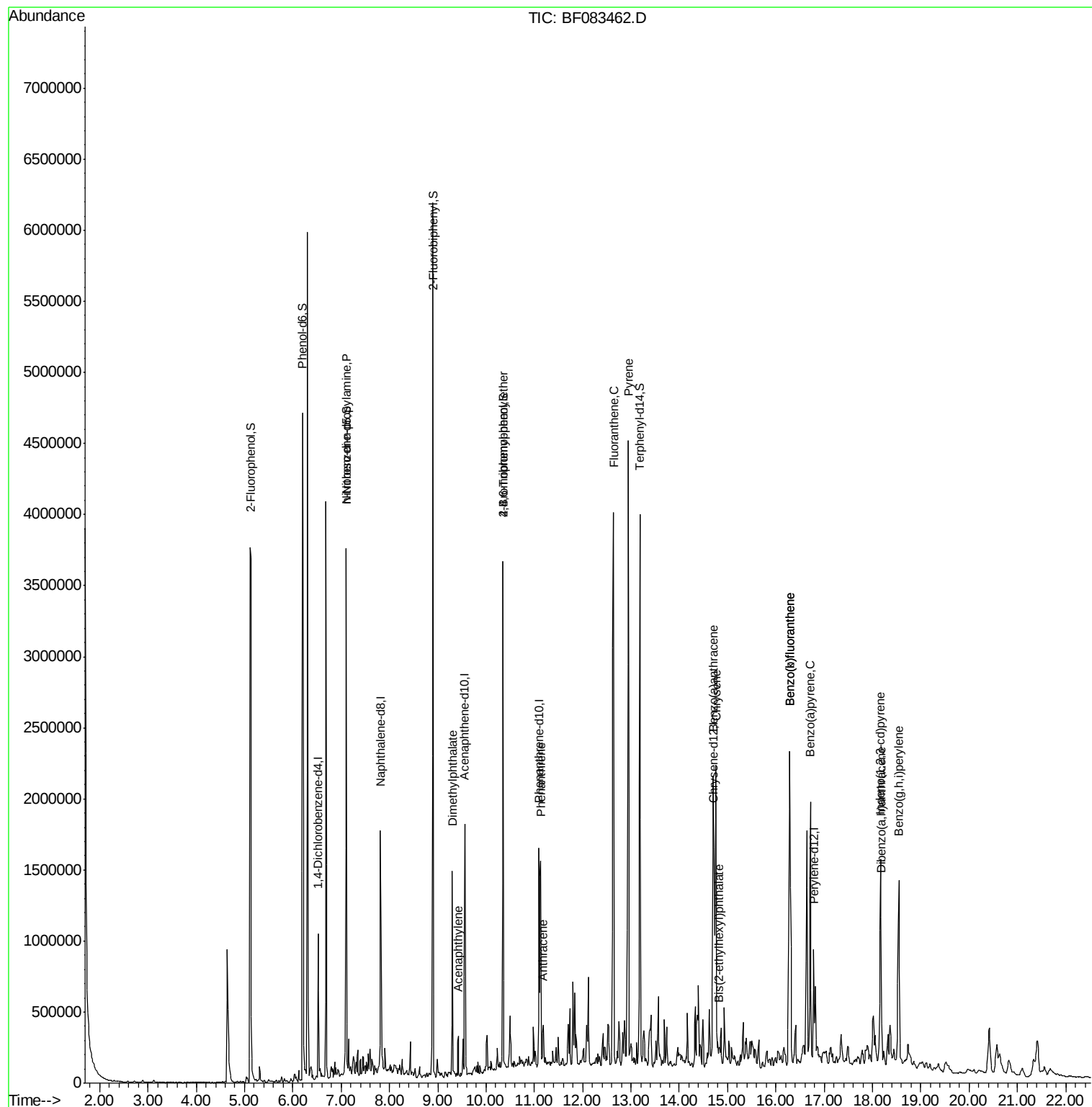
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	184239	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	706150	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	369835	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	627492	20.00	ng	-0.03
75) Chrysene-d12	14.72	240	453514	20.00	ng	-0.05
86) Perylene-d12	16.79	264	395587	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1596832	130.06	ng	0.00
7) Phenol-d6	6.20	99	2004927	119.30	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1403101	87.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	407198	109.68	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	2003155	77.19	ng	-0.02
78) Terphenyl-d14	13.19	244	1795047	94.39	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.04	77	2517	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.10	70	198832	16.55 ng	#	1
48) Acenaphthylene	9.42	152	174534	4.43 ng	#	81
49) Dimethylphthalate	9.30	163	538840	17.93 ng		97
66) 4-Bromophenyl-phenylether	10.35	248	28724	4.18 ng	#	99
70) Phenanthrene	11.13	178	841805	22.67 ng		1
71) Anthracene	11.18	178	153900	4.12 ng		99
74) Fluoranthene	12.64	202	2365705	61.46 ng		96
77) Pyrene	12.95	202	2781752	87.83 ng		97
80) Benzo(a)anthracene	14.71	228	1237460	44.54 ng		96
82) Chrysene	14.76	228	1271217	47.35 ng		97
83) Bis(2-ethylhexyl)phthalate	14.83	149	39526	2.19 ng		98
85) Indeno(1,2,3-cd)pyrene	18.17	276	1014990	51.91 ng		98
87) Benzo(b)fluoranthene	16.28	252	2181675	85.95 ng		94
88) Benzo(k)fluoranthene	16.28	252	2181675	91.02 ng	#	99
89) Benzo(a)pyrene	16.72	252	923420	42.36 ng		95
90) Dibenzo(a,h)anthracene	18.18	278	255820	13.47 ng		97
91) Benzo(g,h,i)perylene	18.55	276	1045910	56.10 ng		97

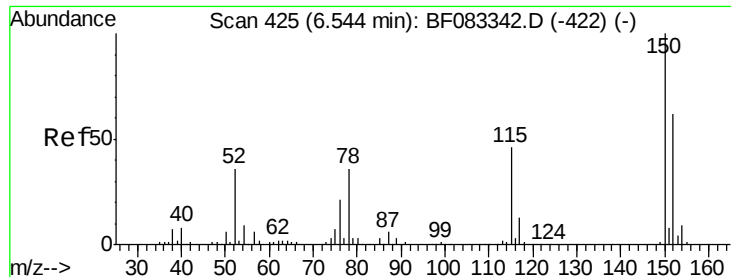
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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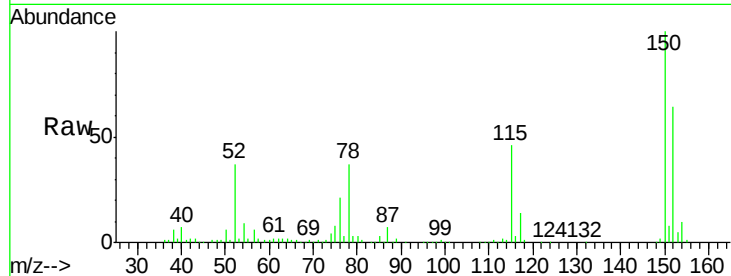


#1

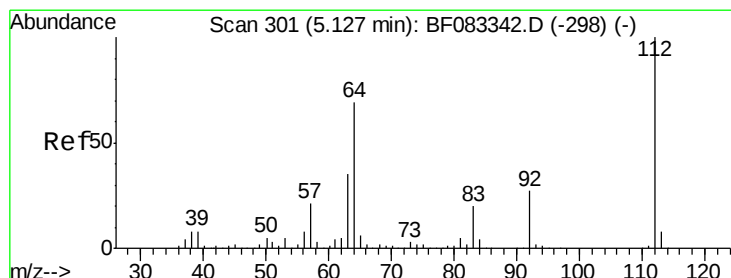
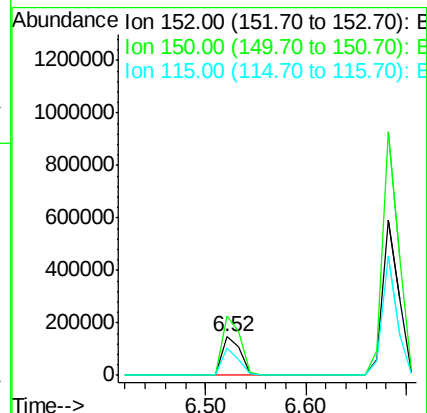
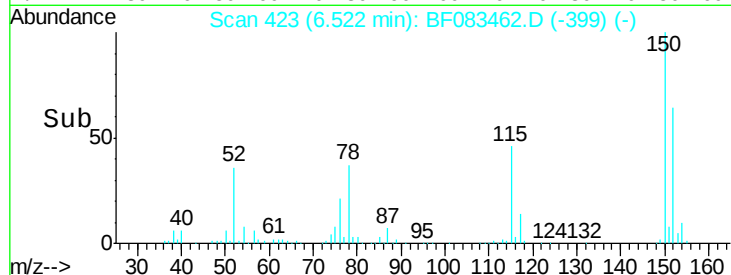
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184239
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 72.6 59.2 88.8



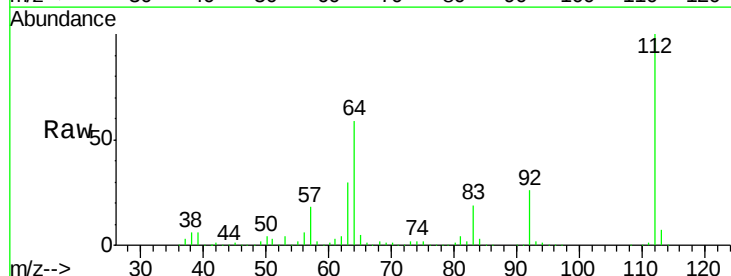
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



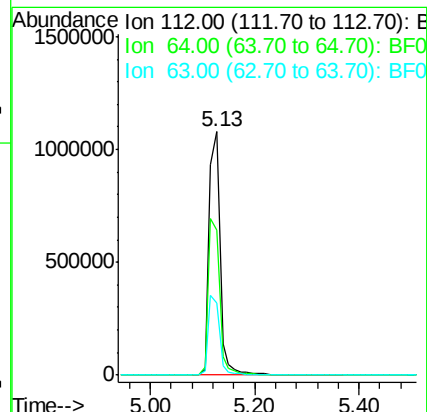
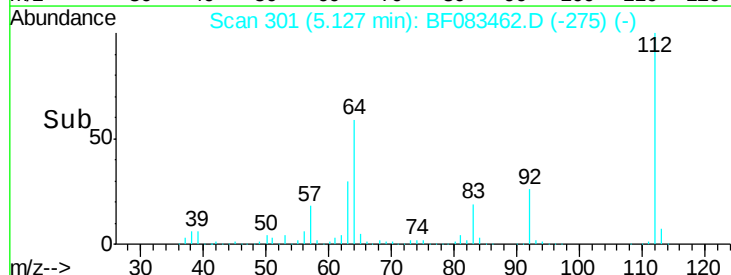
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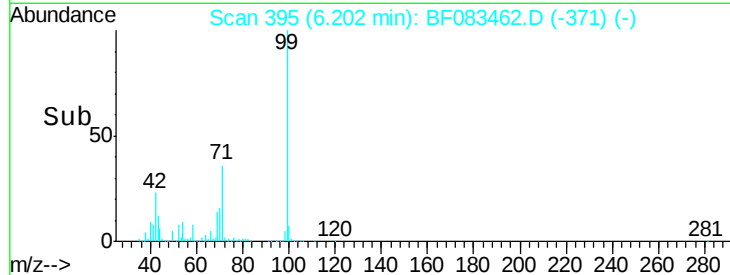
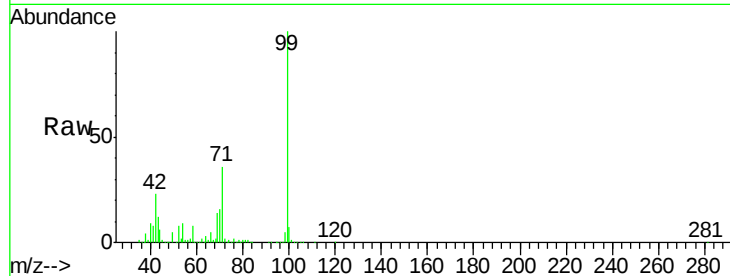
2-Fluorophenol
Concen: 130.06 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:112 Resp: 1596832
Ion Ratio Lower Upper
112 100
64 59.5 55.6 83.4
63 29.6 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: 119.30 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

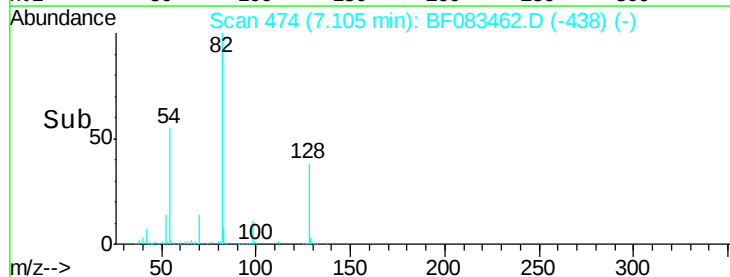
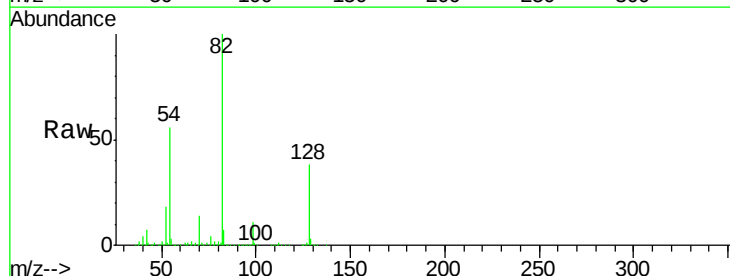
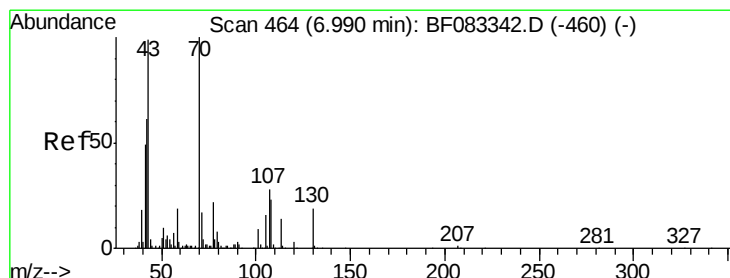
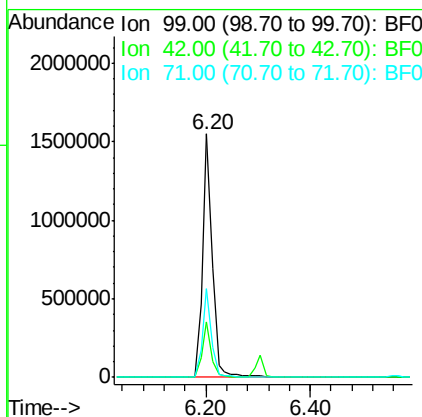
Tot Ion: 99 Resp: 2004927

Ion Ratio Lower Upper

99 100

42 23.0 14.9 22.3#

71 36.3 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.55 ng

RT: 7.10 min Scan# 474

Delta R.T. 0.11 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Tgt Ion: 70 Resp: 198832

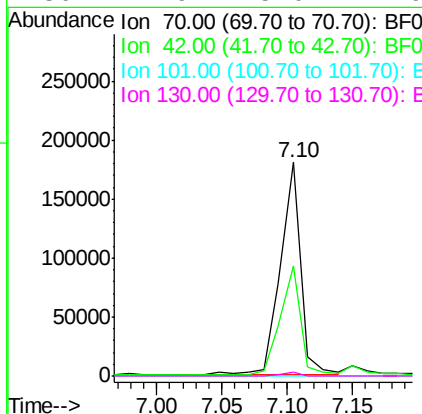
Ion Ratio Lower Upper

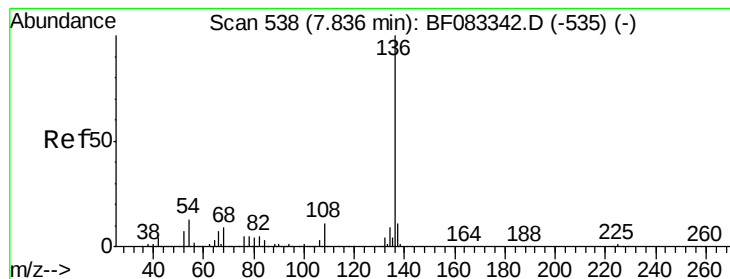
70 100

42 51.8 48.8 73.2

101 0.0 7.1 10.7#

130 1.9 15.0 22.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 706150

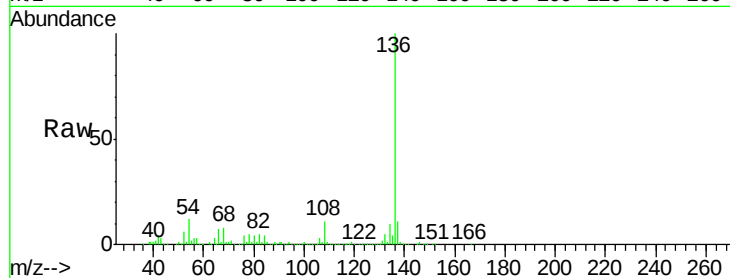
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 12.2 10.1 15.1

68 8.2 7.1 10.7

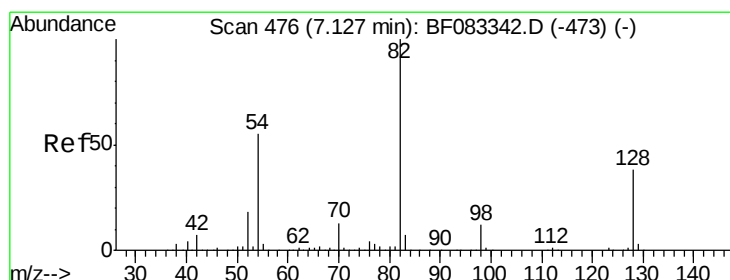
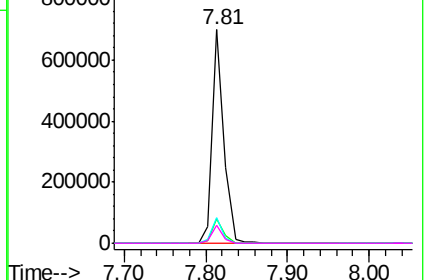
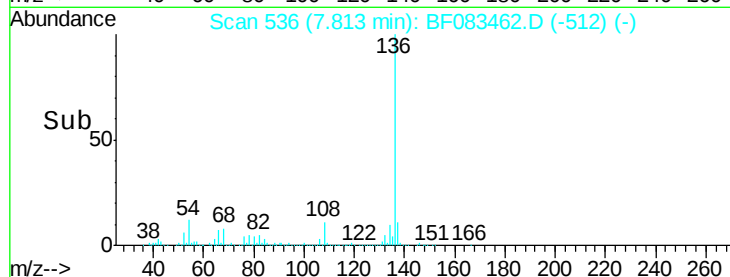


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.35 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

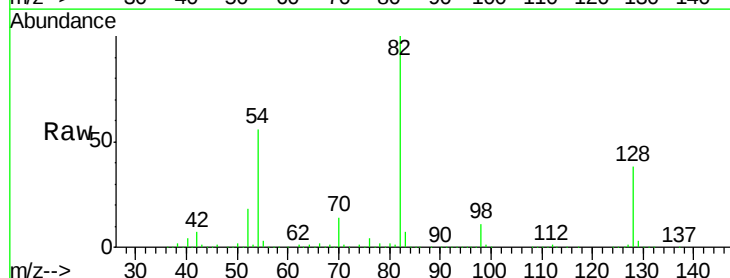
Tgt Ion: 82 Resp: 1403101

Ion Ratio Lower Upper

82 100

128 37.9 30.6 46.0

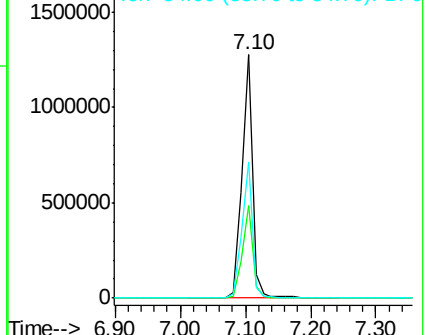
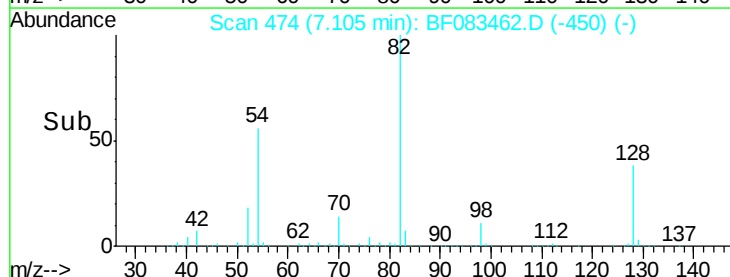
54 56.0 43.8 65.6

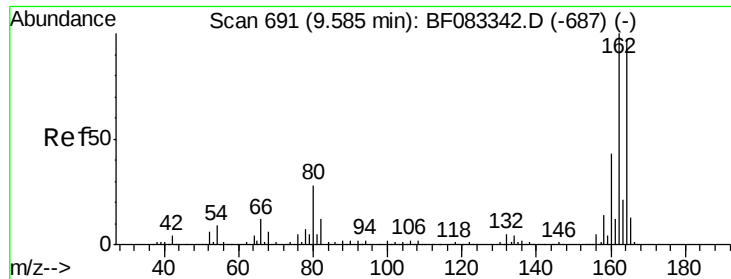


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

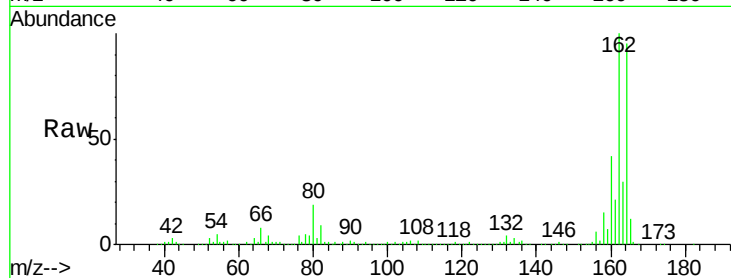




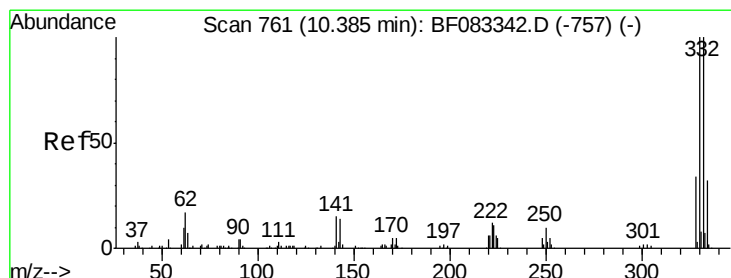
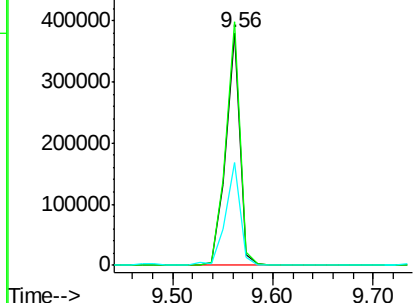
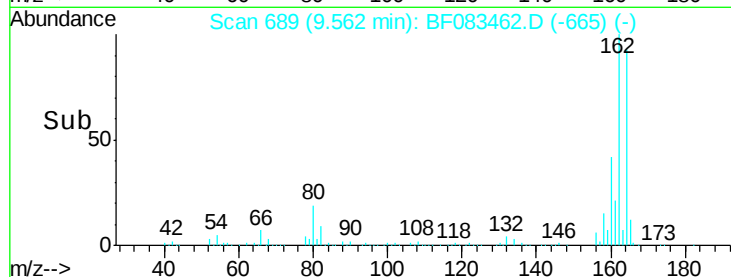
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 369835
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.6 123.8
 160 44.1 35.3 52.9

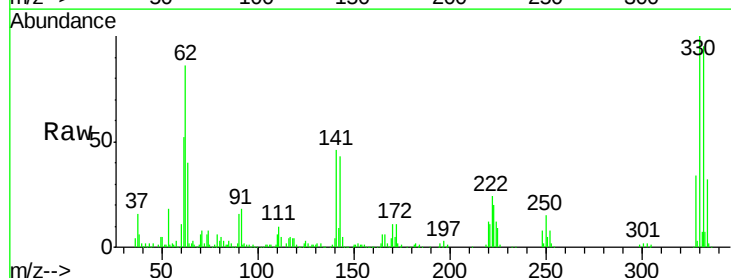


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

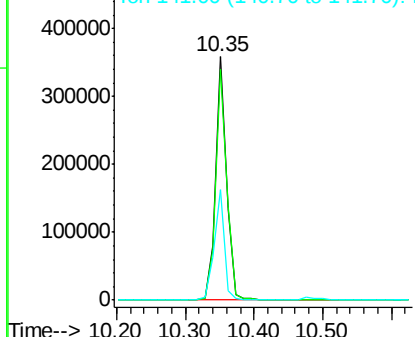
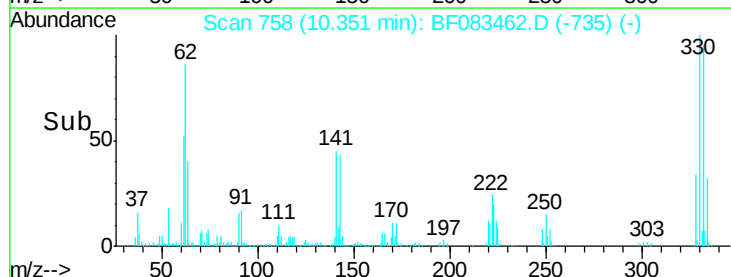


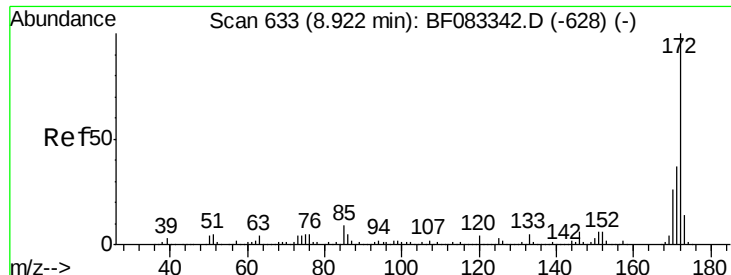
#41
 2,4,6-Tribromophenol
 Concen: 109.68 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion:330 Resp: 407198
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.6
 141 41.6 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

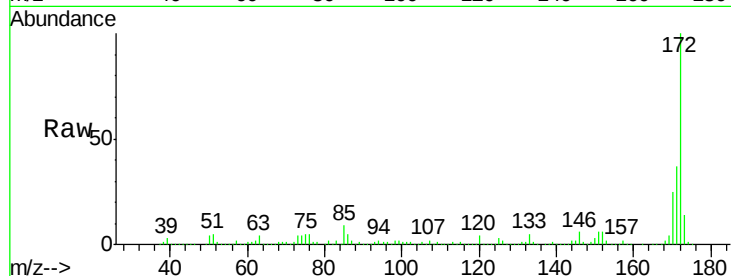




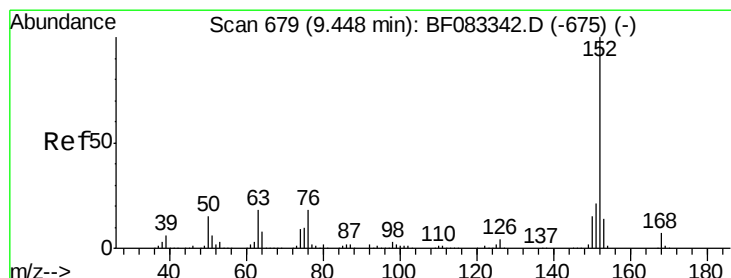
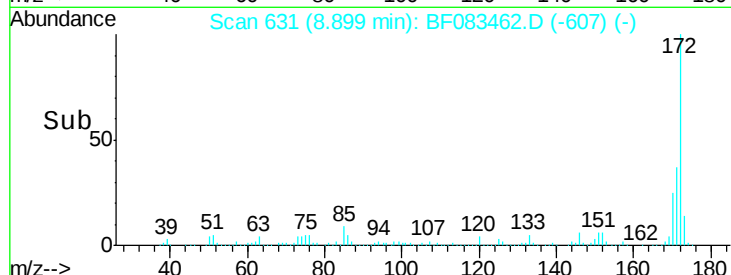
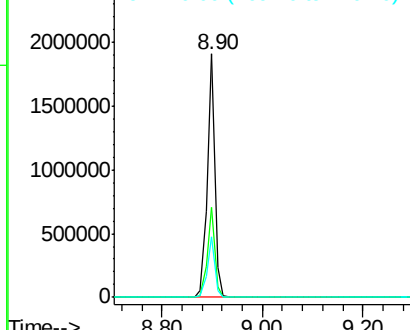
#44
2-Fluorobiphenyl
Concen: 77.19 ng
RT: 8.90 min Scan# 631
Delta R.T. -0.02 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 2003155
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 25.1 20.4 30.6

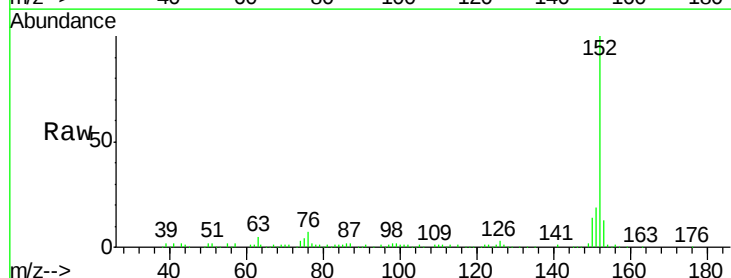


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

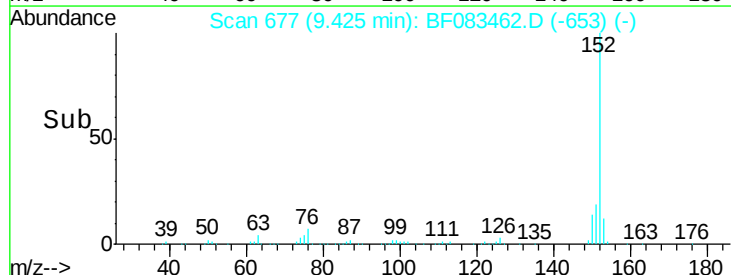
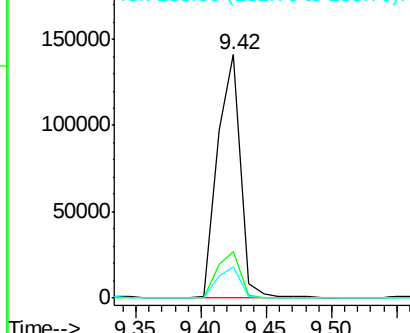


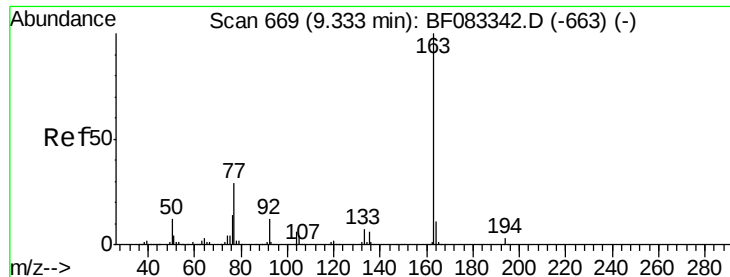
#48
Acenaphthylene
Concen: 4.43 ng
RT: 9.42 min Scan# 677
Delta R.T. -0.02 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:152 Resp: 174534
Ion Ratio Lower Upper
152 100
151 19.3 16.7 25.1
153 12.7 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: 17.93 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

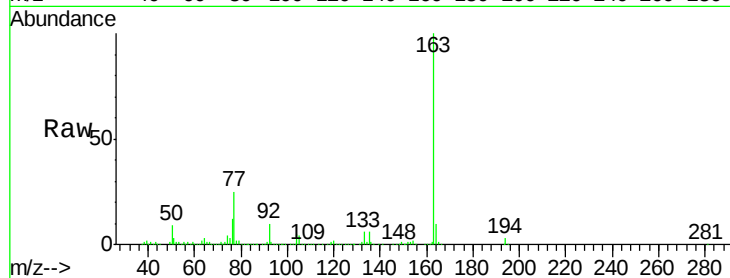
Tot Ion:163 Resp: 538840

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

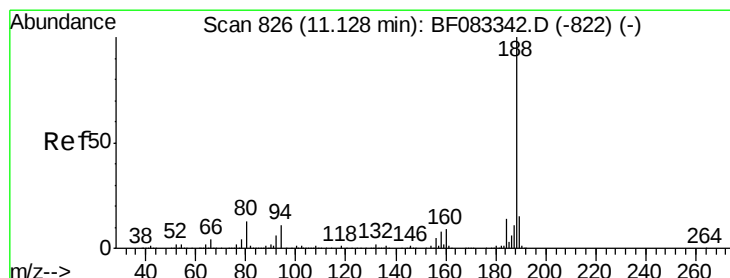
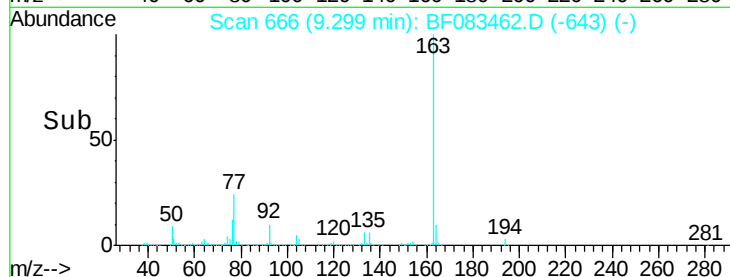
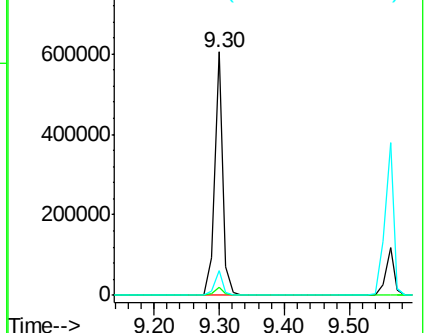
164 10.3 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

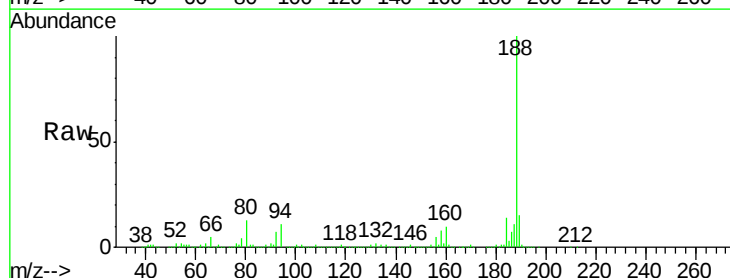
Tgt Ion:188 Resp: 627492

Ion Ratio Lower Upper

188 100

94 11.4 8.7 13.1

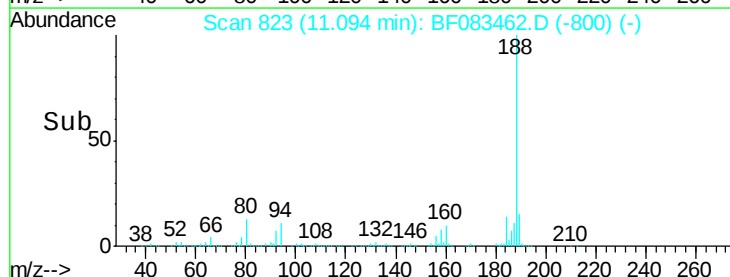
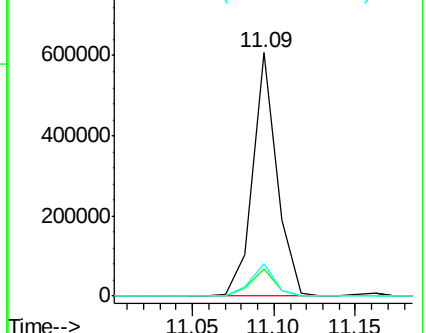
80 13.4 10.3 15.5

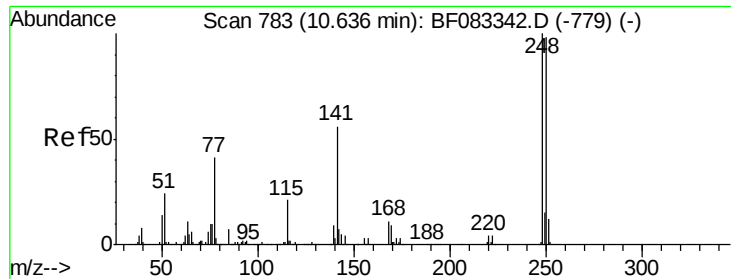


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

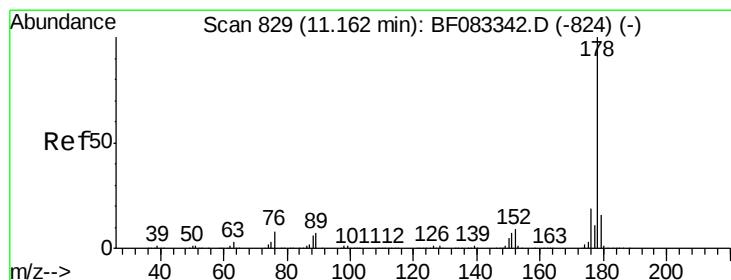
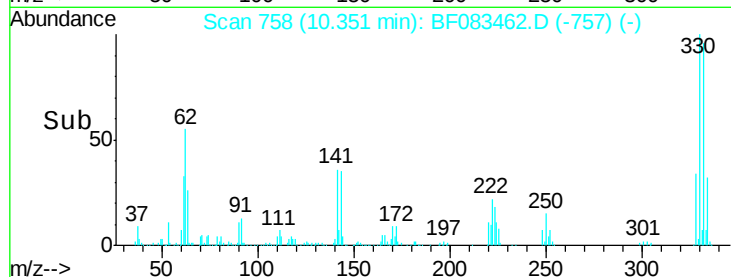
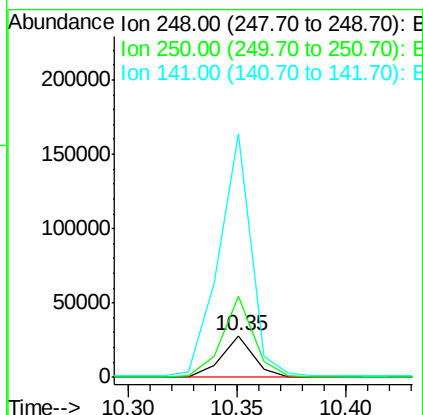
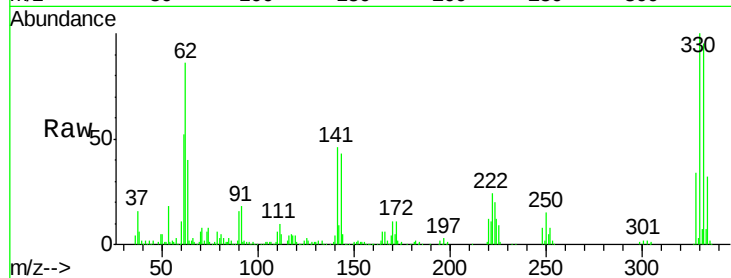




#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.29 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

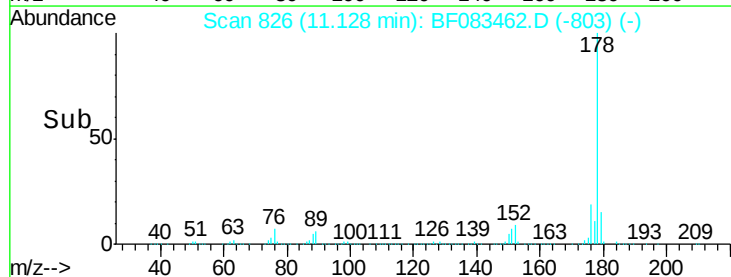
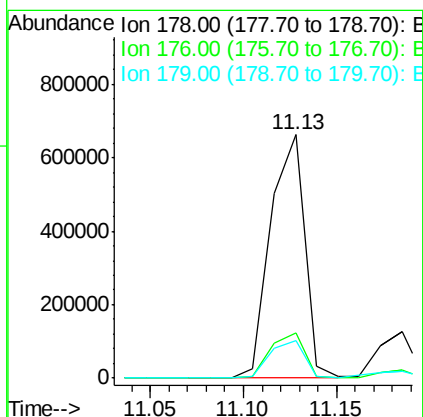
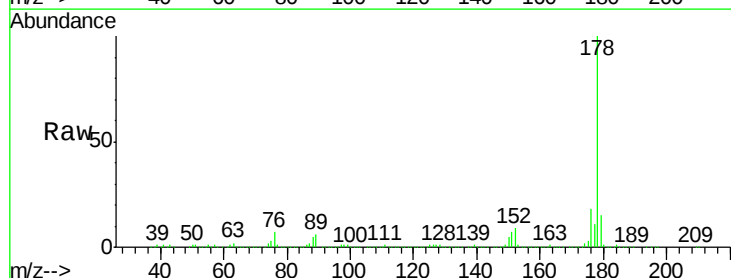
Instrument :
BNA_F
ClientSampled :

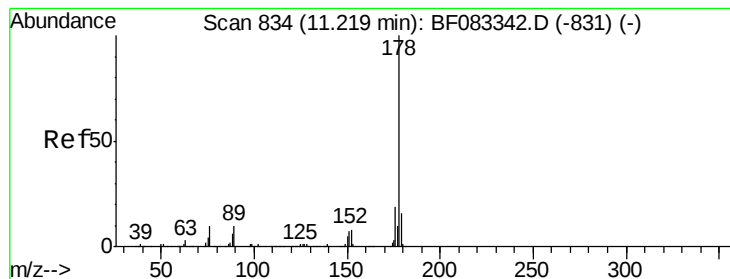
Tot Ion:248 Resp: 28724
Ion Ratio Lower Upper
248 100
250 194.3 78.6 118.0#
141 582.2 44.4 66.6#



#70
Phenanthrene
Concen: 22.67 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:178 Resp: 841805
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.3 12.4 18.6





#71

Anthracene

Concen: 4.12 ng

RT: 11.18 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

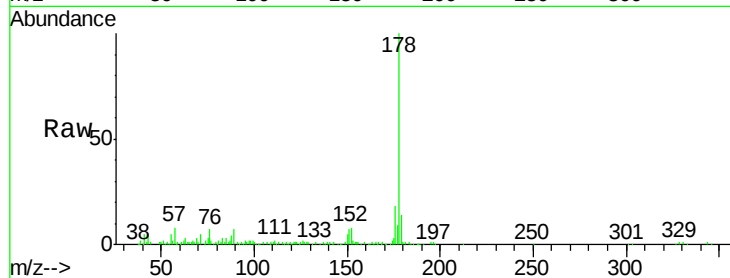
Tot Ion:178 Resp: 153900

Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

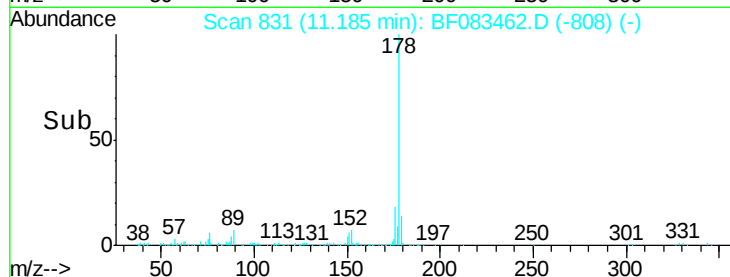
179 14.1 12.8 19.2



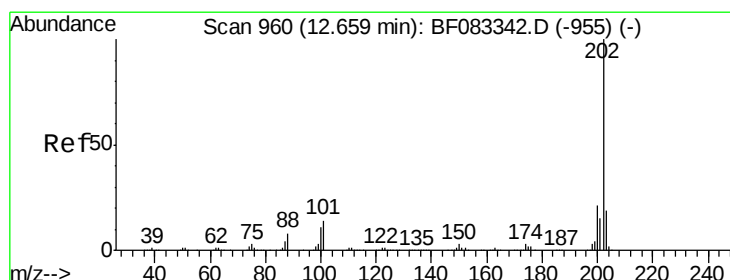
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 61.46 ng

RT: 12.64 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

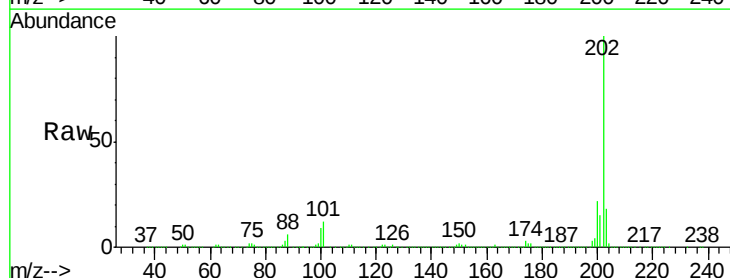
Tgt Ion:202 Resp: 2365705

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.5

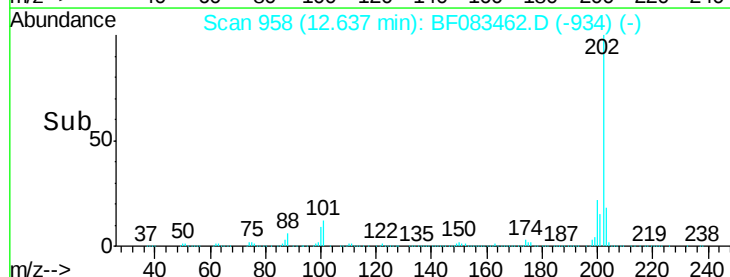
203 18.3 0.0 38.7



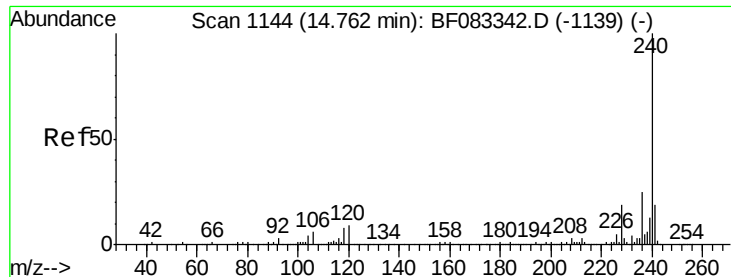
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.72 min Scan# 1140

Delta R.T. -0.05 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

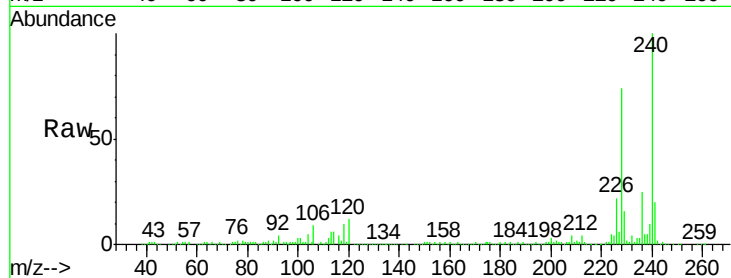
Tot Ion:240 Resp: 453514

Ion Ratio Lower Upper

240 100

120 11.6 6.9 10.3#

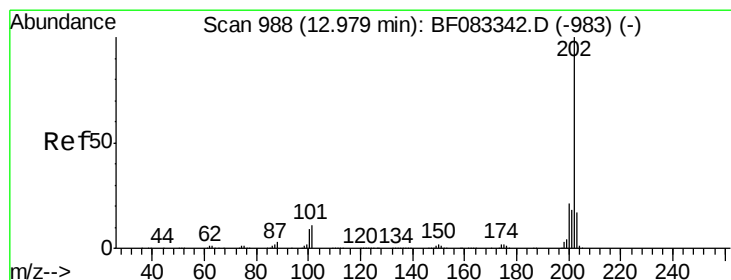
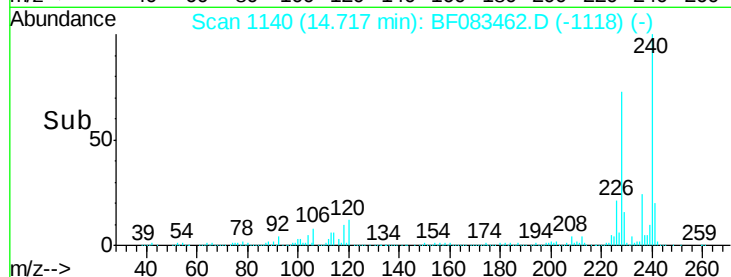
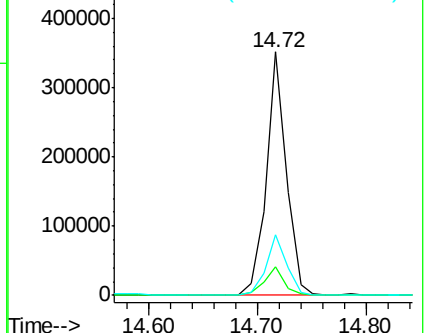
236 24.7 19.8 29.6



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: 87.83 ng

RT: 12.95 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

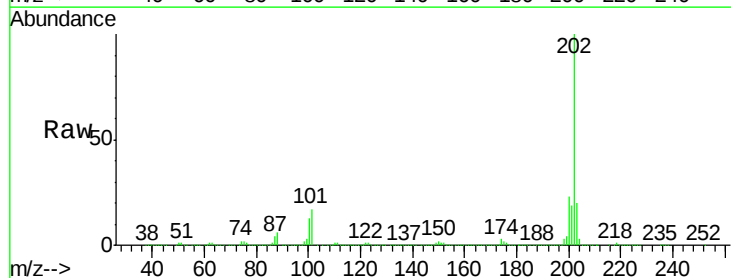
Tgt Ion:202 Resp: 2781752

Ion Ratio Lower Upper

202 100

200 22.5 16.9 25.3

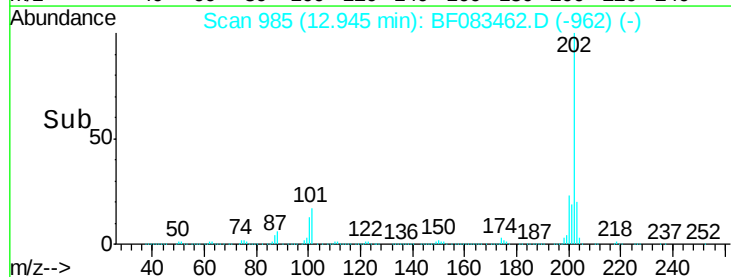
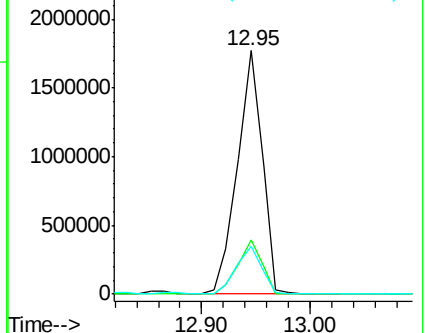
203 19.6 13.9 20.9

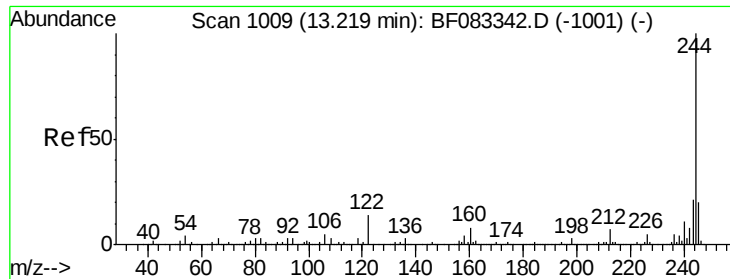


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

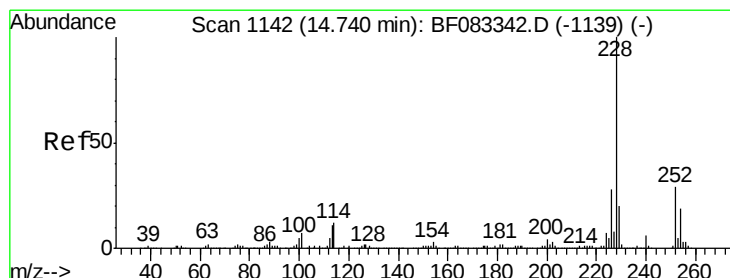
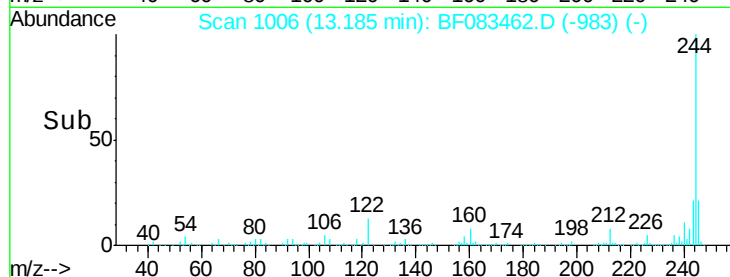
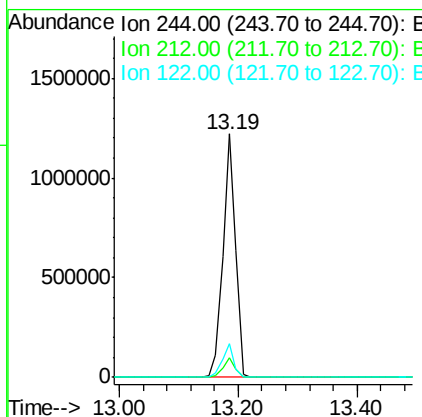
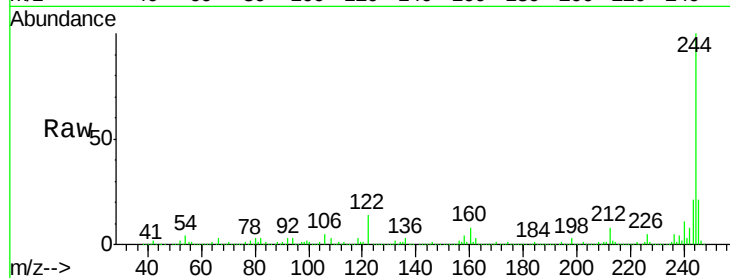




#78
 Terphenyl-d14
 Concen: 94.39 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.03 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

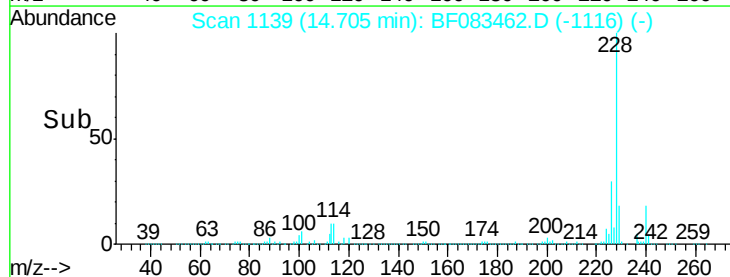
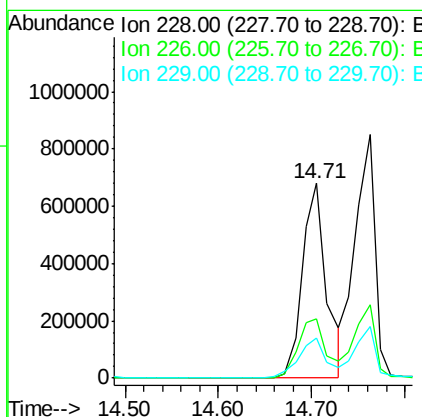
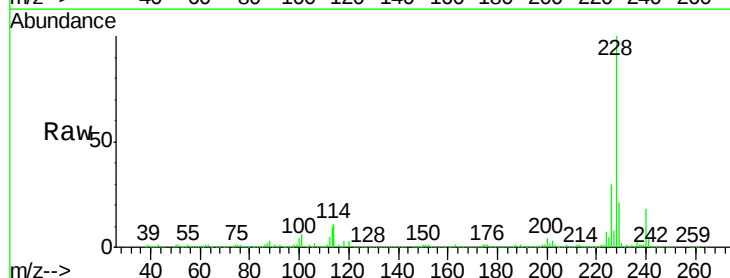
Instrument :
 BNA_F
 ClientSampleId :

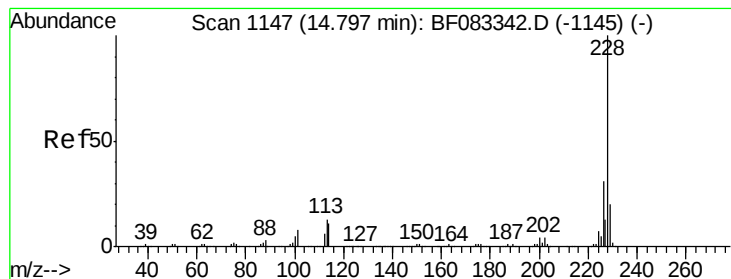
Tot Ion:244 Resp: 1795047
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 13.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 44.54 ng
 RT: 14.71 min Scan# 1139
 Delta R.T. -0.03 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion:228 Resp: 1237460
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.2 33.4
 229 20.7 16.1 24.1





#82

Chrysene

Concen: 47.35 ng

RT: 14.76 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

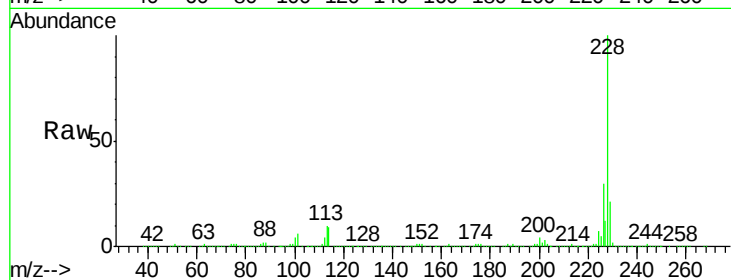
Tot Ion:228 Resp: 1271217

Ion Ratio Lower Upper

228 100

226 29.9 24.6 37.0

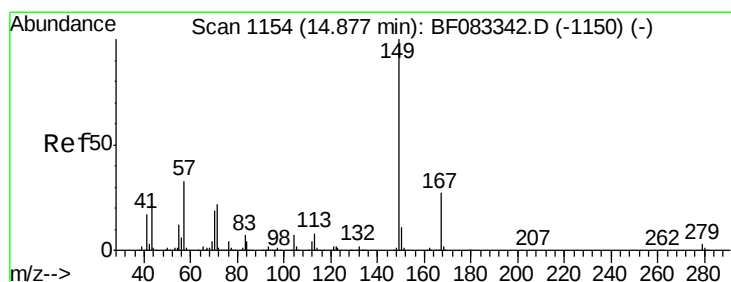
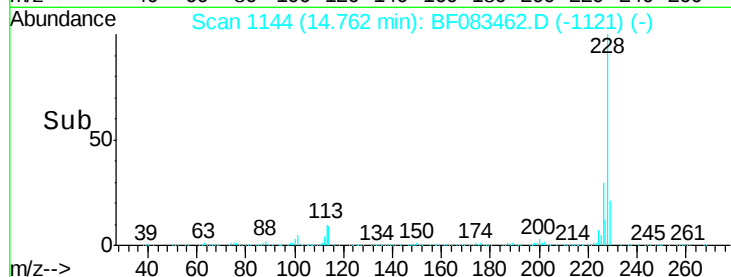
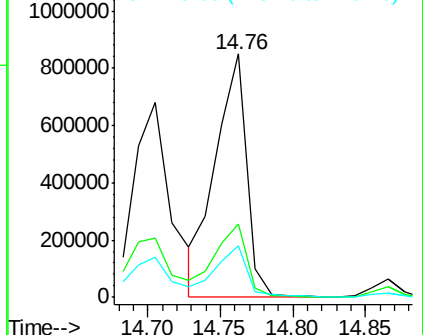
229 21.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.19 ng

RT: 14.83 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

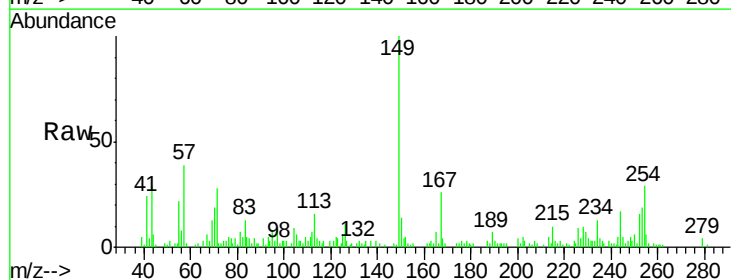
Tgt Ion:149 Resp: 39526

Ion Ratio Lower Upper

149 100

167 26.1 21.5 32.3

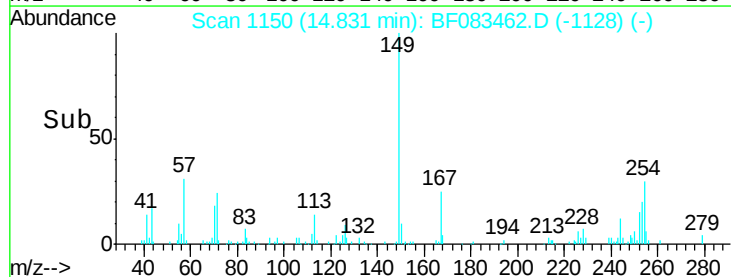
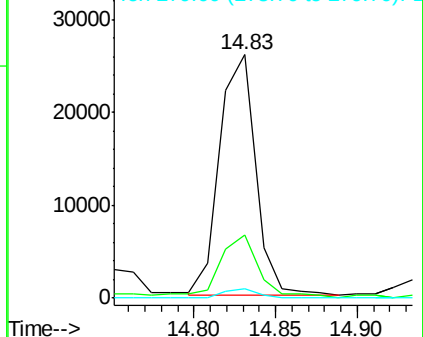
279 3.7 2.6 3.8

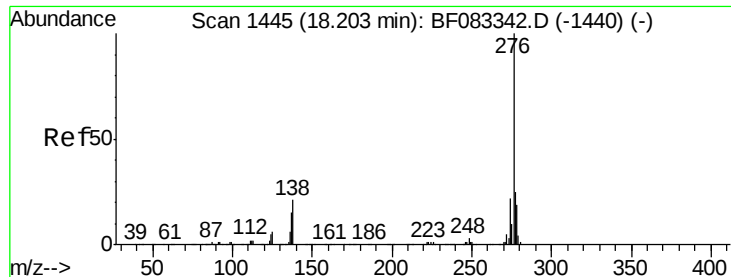


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

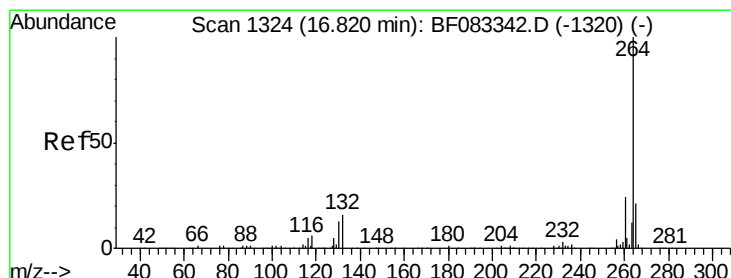
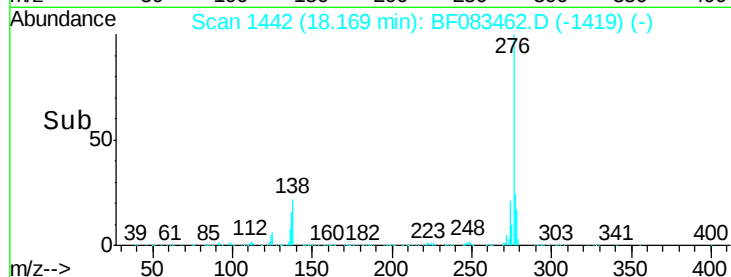
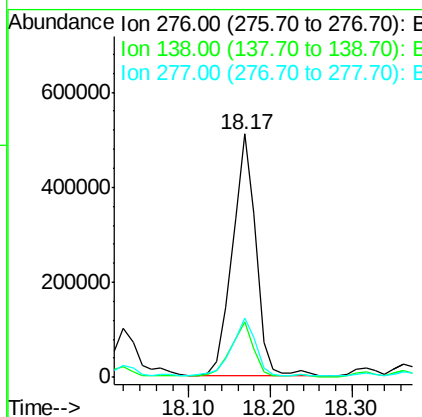
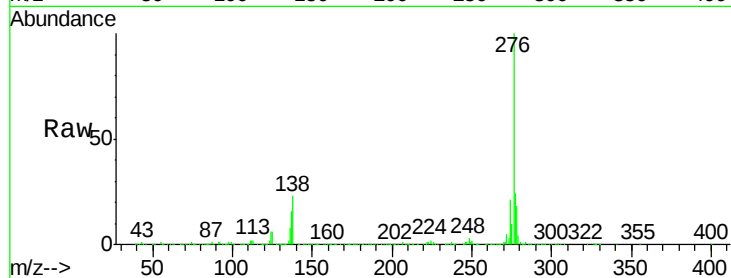




#85
Indeno(1,2,3-cd)pyrene
Concen: 51.91 ng
RT: 18.17 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

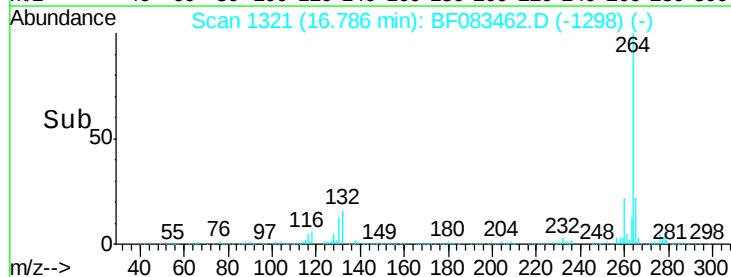
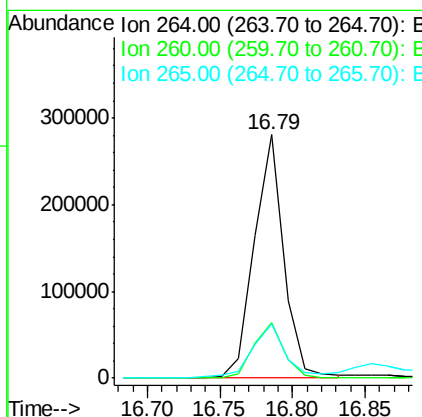
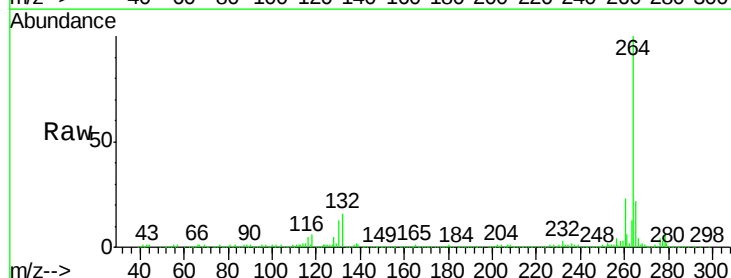
Instrument :
BNA_F
ClientSampleId :

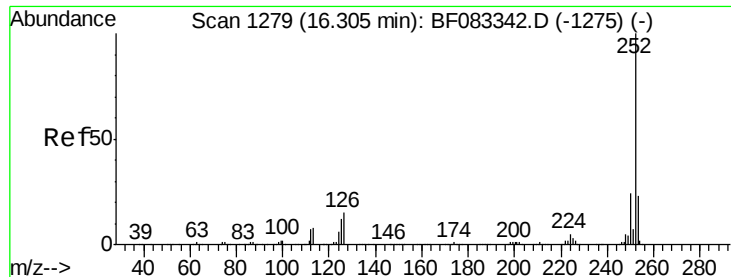
Tot Ion:276 Resp: 1014990
Ion Ratio Lower Upper
276 100
138 21.8 21.2 31.8
277 24.0 20.0 30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.79 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:264 Resp: 395587
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.4
265 22.4 16.8 25.2

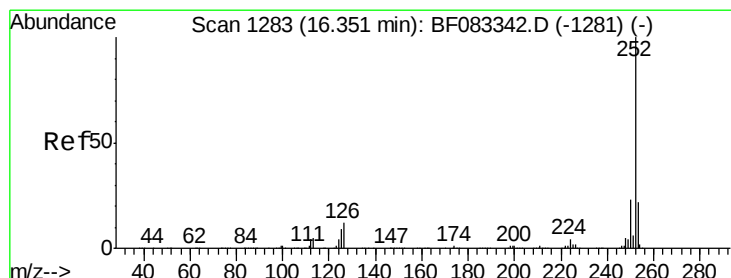
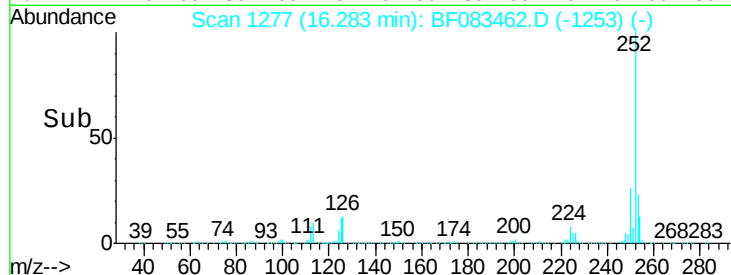
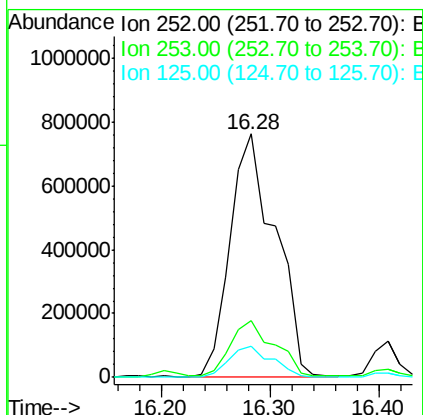
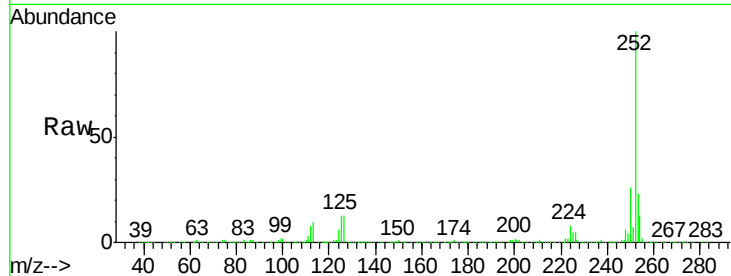




#87
Benzo(b)fluoranthene
Concen: 85.95 ng
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

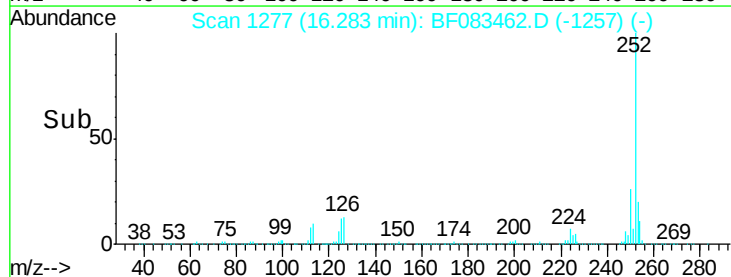
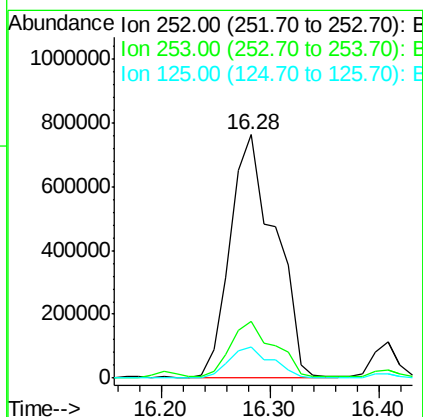
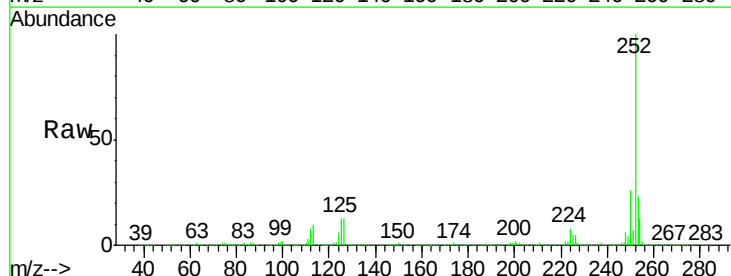
Instrument :
BNA_F
ClientSampleId :

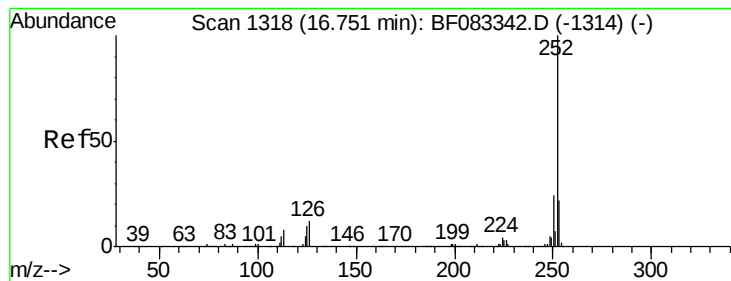
Tot Ion:252 Resp: 2181675
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 12.6 9.6 14.4



#88
Benzo(k)fluoranthene
Concen: 91.02 ng
RT: 16.28 min Scan# 1277
Delta R.T. -0.07 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:252 Resp: 2181675
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 12.6 7.5 11.3#





#89

Benzo(a)pyrene

Concen: 42.36 ng

RT: 16.72 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

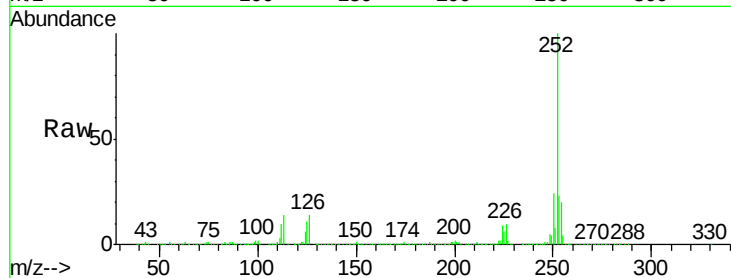
Tot Ion:252 Resp: 923420

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

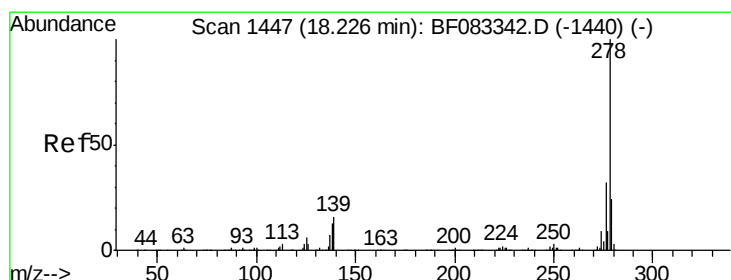
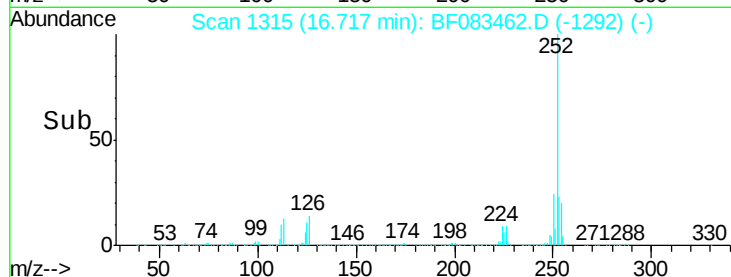
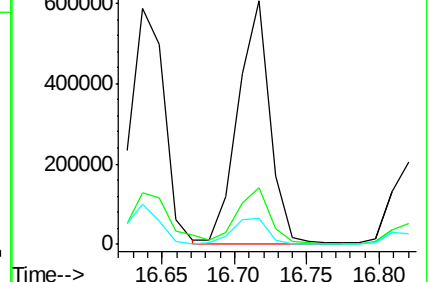
125 10.8 7.8 11.8



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: 13.47 ng

RT: 18.18 min Scan# 1443

Delta R.T. -0.05 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

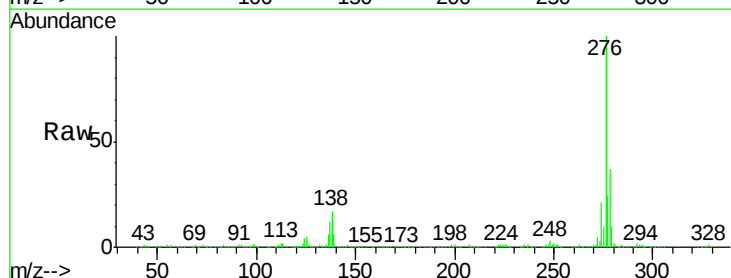
Tgt Ion:278 Resp: 255820

Ion Ratio Lower Upper

278 100

139 15.3 13.1 19.7

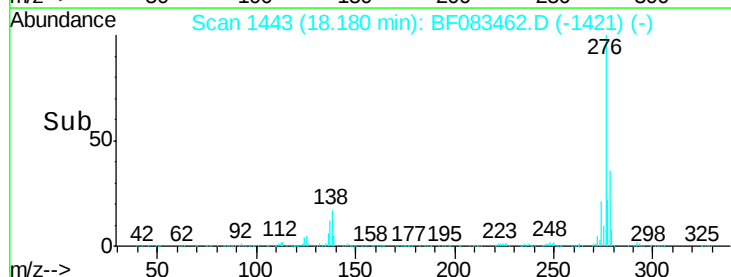
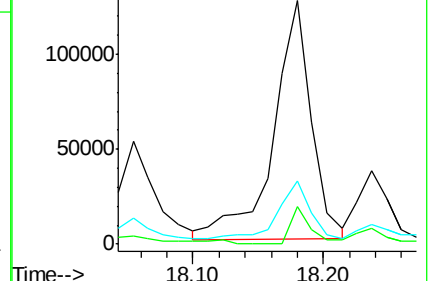
279 25.7 19.2 28.8

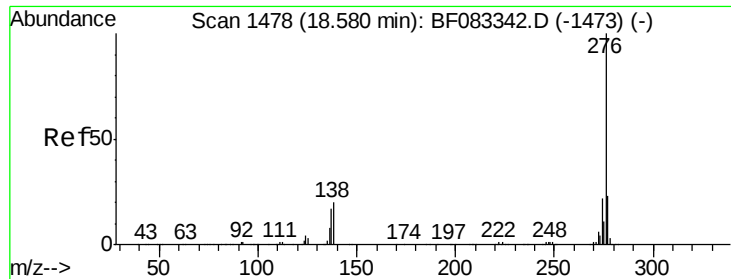


Abundance Ion 278.00 (277.70 to 278.70): E

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: 56.10 ng

RT: 18.55 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

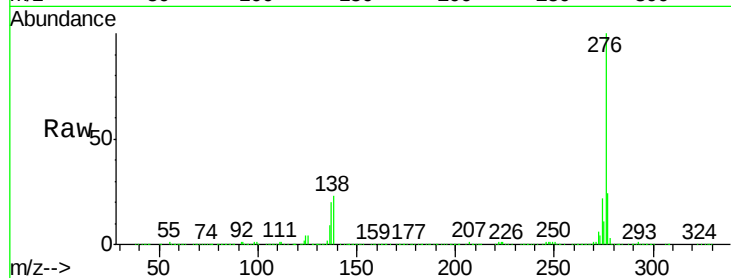
Tot Ion:276 Resp: 1045910

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 23.0 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

