

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085360.D
 Acq On : 11 Mar 2016 4:08
 Operator : UM/SJ
 Sample : H1731-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 04:35:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 02:49:26 2016
 Response via : Initial Calibration

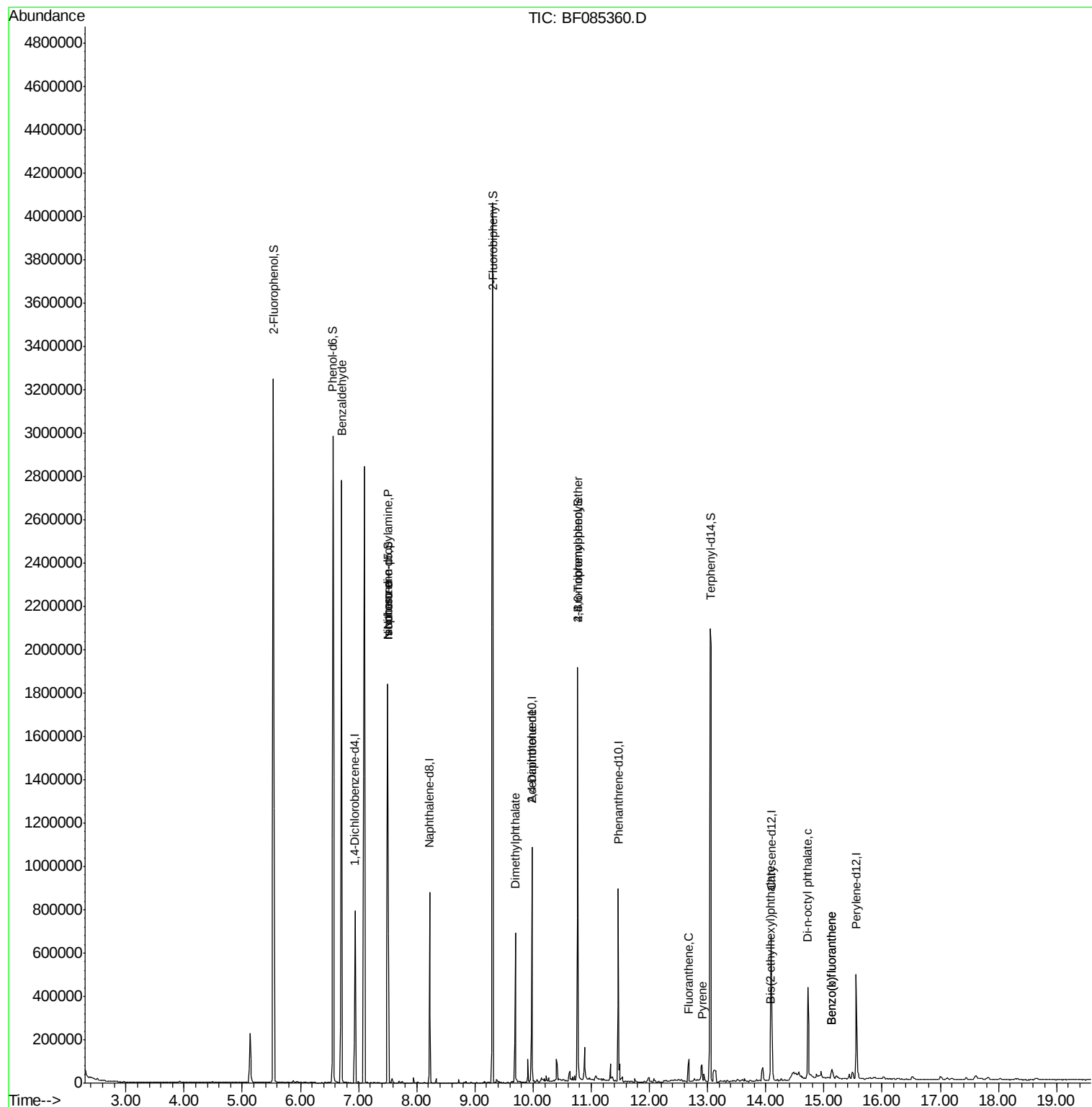
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	122617	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	426678	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	204526	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	354290	20.00	ng	0.00
75) Chrysene-d12	14.09	240	230352	20.00	ng	-0.01
86) Perylene-d12	15.56	264	223315	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1189689	162.75	ng	-0.01
7) Phenol-d6	6.56	99	1503692	157.01	ng	-0.01
23) Nitrobenzene-d5	7.50	82	743747	93.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	244044	139.45	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1494653	111.14	ng	0.00
78) Terphenyl-d14	13.05	244	1003972	101.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.71	77	23023	2.27	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.50	70	96983	15.54	ng	# 77
25) Isophorone	7.50	82	739999	50.08	ng	# 67
49) Dimethylphthalate	9.69	163	290092	18.48	ng	99
56) 2,4-Dinitrotoluene	9.98	165	26440	6.15	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	17622	5.12	ng	# 1
74) Fluoranthene	12.68	202	55930	3.00	ng	94
77) Pyrene	12.90	202	44899	2.59	ng	95
83) Bis(2-ethylhexyl)phthalate	14.08	149	23135	2.23	ng	# 99
84) Di-n-octyl phthalate	14.72	149	52243	3.31	ng	# 64
87) Benzo(b)fluoranthene	15.13	252	33190	2.23	ng	100
88) Benzo(k)fluoranthene	15.13	252	33190	2.76	ng	99

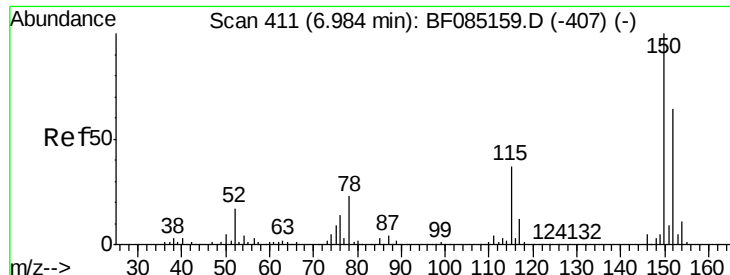
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

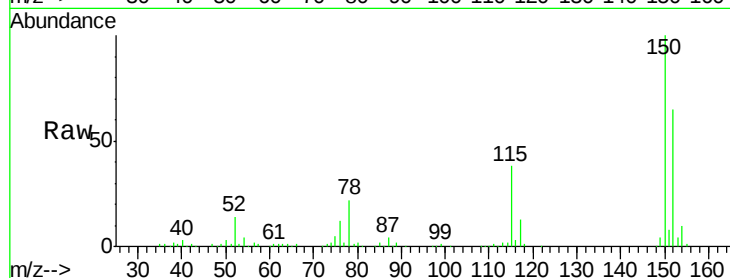
Tot Ion:152 Resp: 122617

Ion Ratio Lower Upper

152 100

150 153.7 124.6 186.8

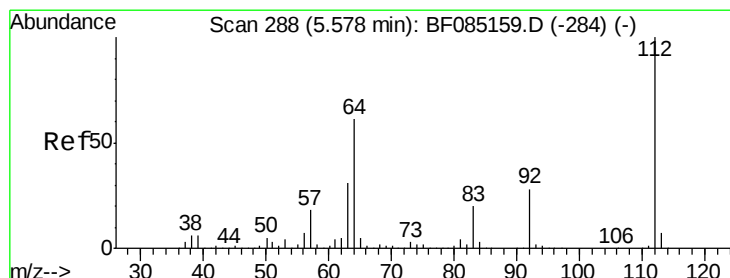
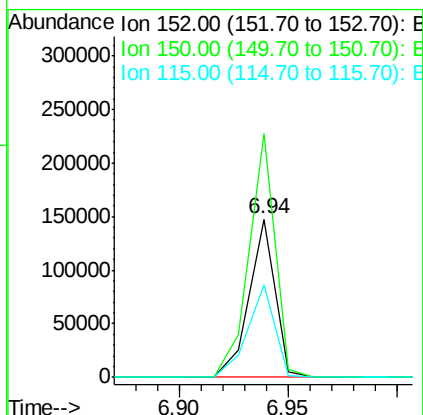
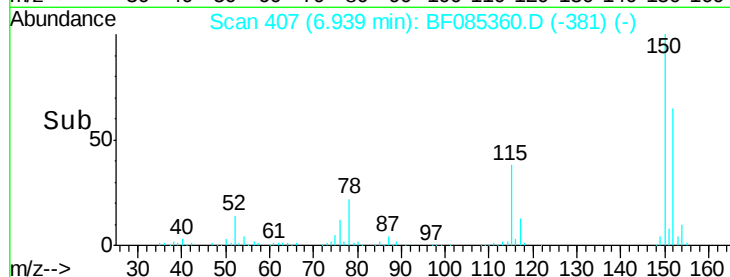
115 58.2 46.6 70.0



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: 162.75 ng

RT: 5.53 min Scan# 284

Delta R.T. -0.01 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

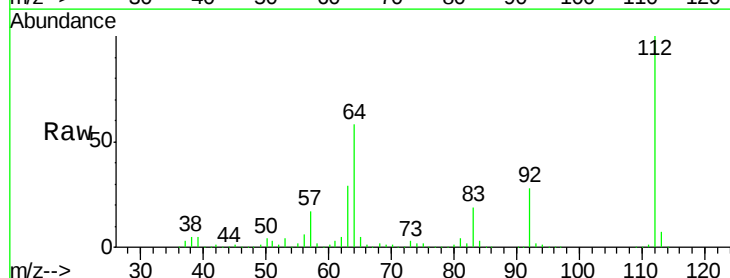
Tgt Ion:112 Resp: 1189689

Ion Ratio Lower Upper

112 100

64 58.2 49.0 73.4

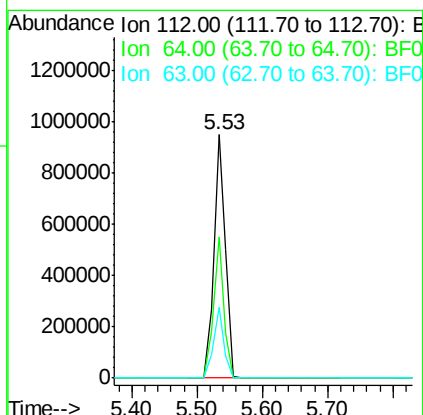
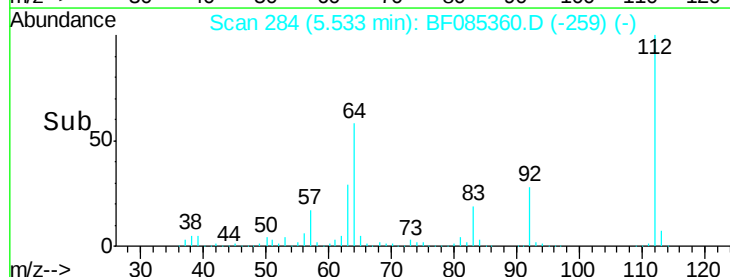
63 29.3 24.8 37.2

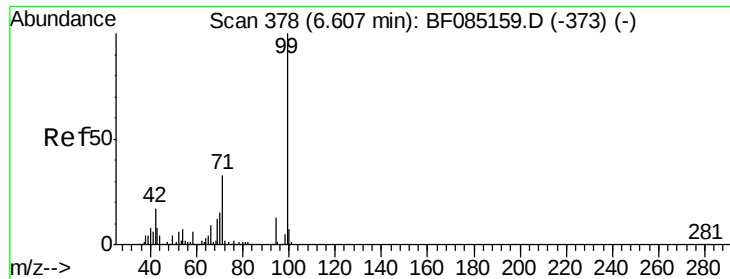


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 157.01 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampled :

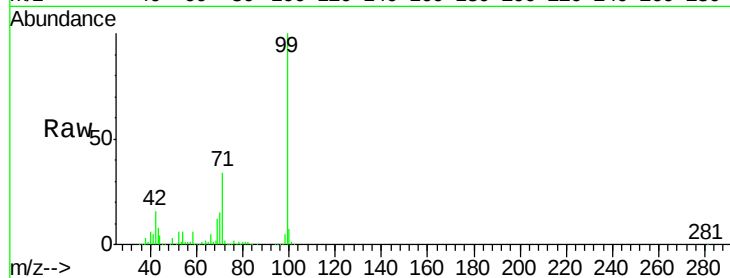
Tot Ion: 99 Resp: 1503692

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

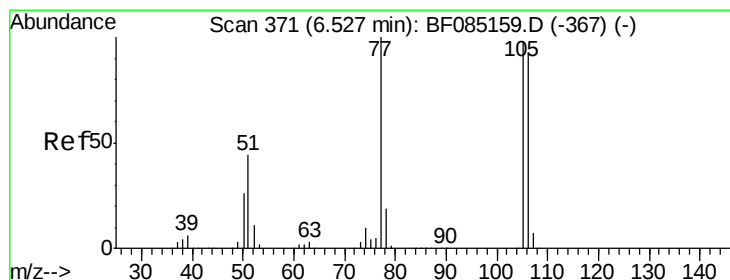
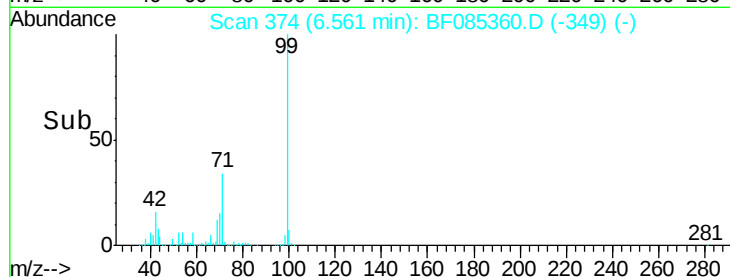
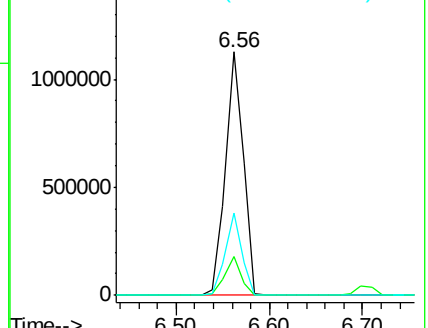
71 33.6 26.7 40.1



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



#9

Benzaldehyde

Concen: 2.27 ng

RT: 6.71 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

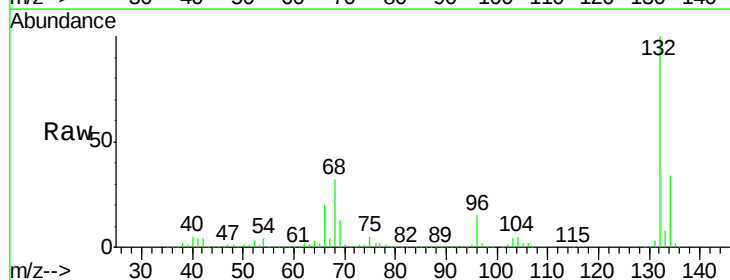
Tgt Ion: 77 Resp: 23023

Ion Ratio Lower Upper

77 100

105 90.9 78.2 118.2

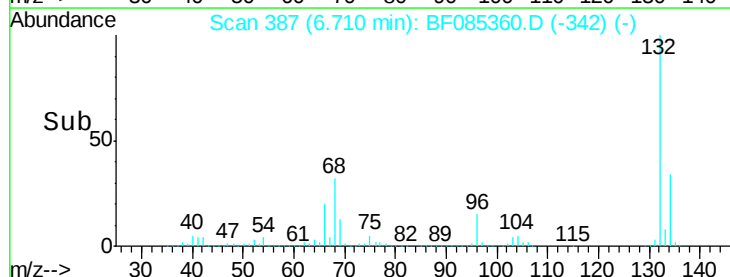
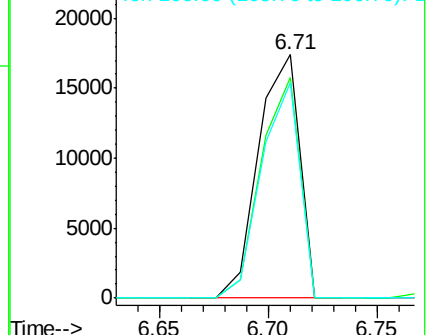
106 88.5 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

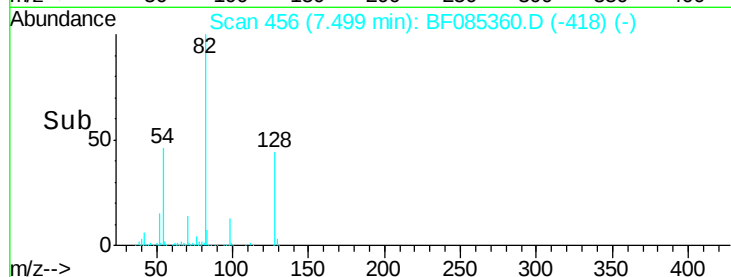
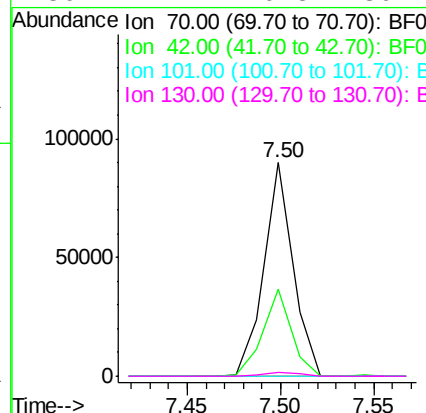
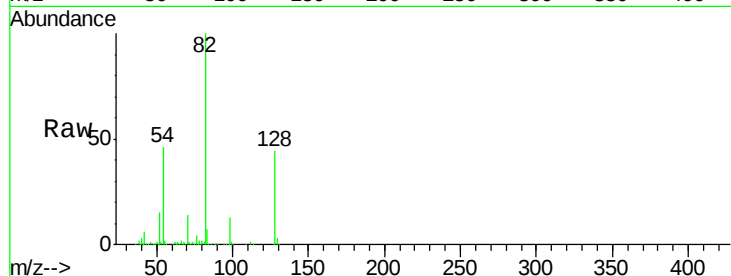




#19
n-Nitroso-di-n-propylamine
Concen: 15.54 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.14 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

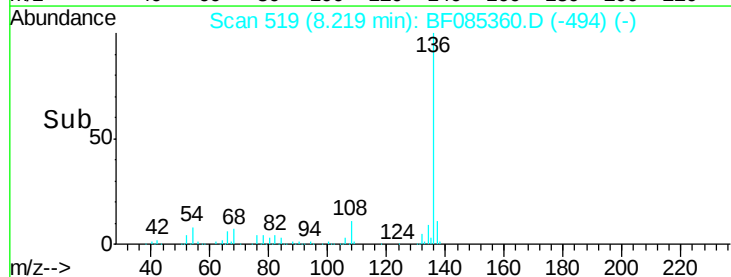
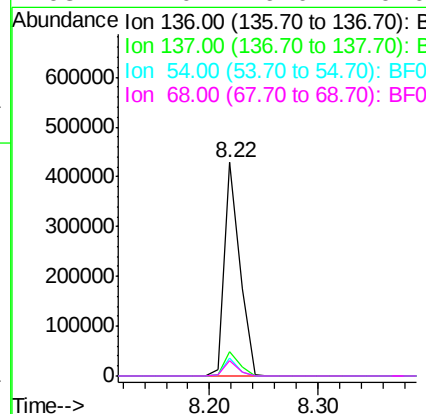
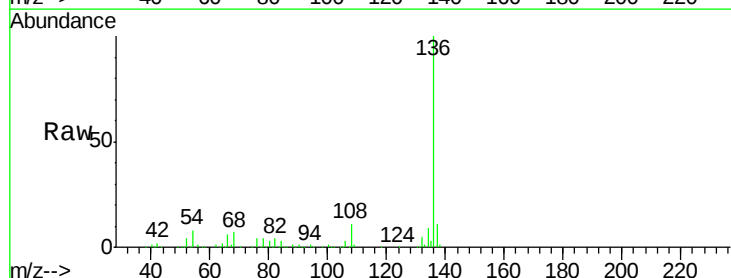
Instrument :
BNA_F
ClientSampleId :

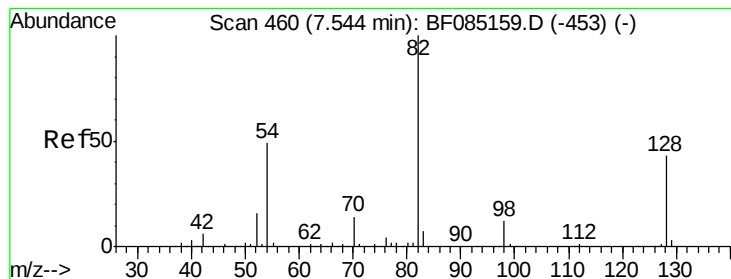
Tot Ion: 70 Resp: 96983
Ion Ratio Lower Upper
70 100
42 40.5 37.7 56.5
101 0.0 8.2 12.4#
130 2.1 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Tgt Ion: 136 Resp: 426678
Ion Ratio Lower Upper
136 100
137 11.1 9.3 13.9
54 8.4 7.4 11.2
68 7.0 6.0 9.0





#23

Nitrobenzene-d5

Concen: 93.28 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampled :

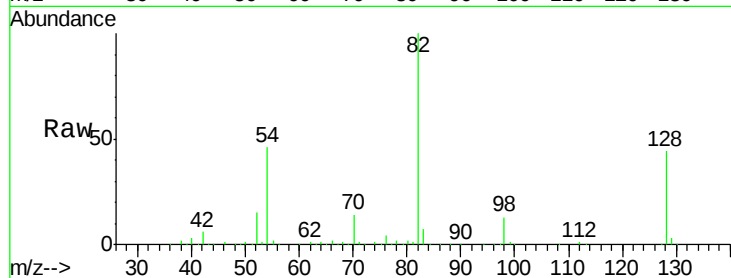
Tot Ion: 82 Resp: 743747

Ion Ratio Lower Upper

82 100

128 44.0 34.5 51.7

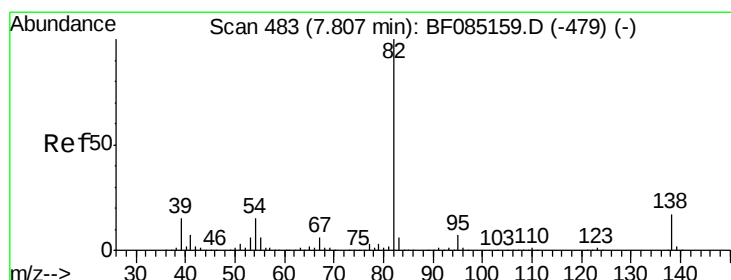
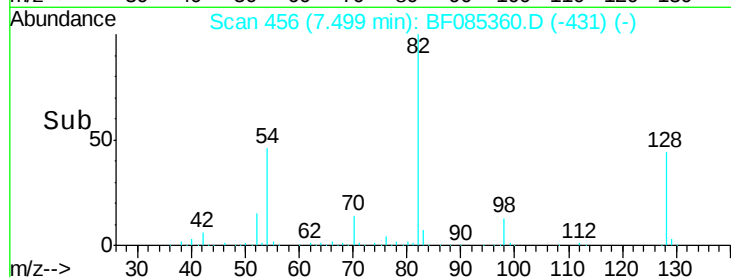
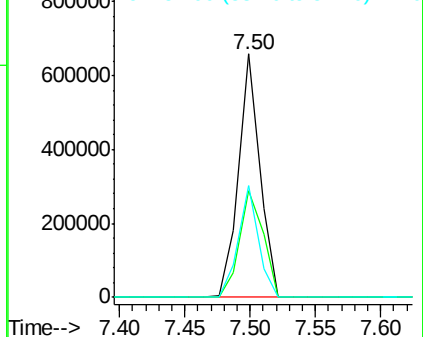
54 46.1 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 50.08 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.26 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

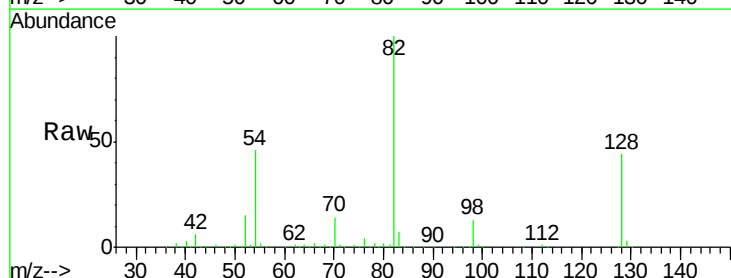
Tgt Ion: 82 Resp: 739999

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

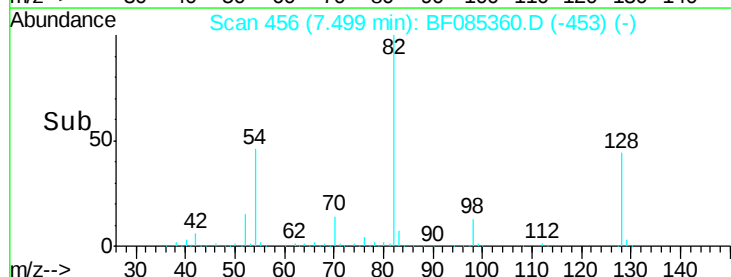
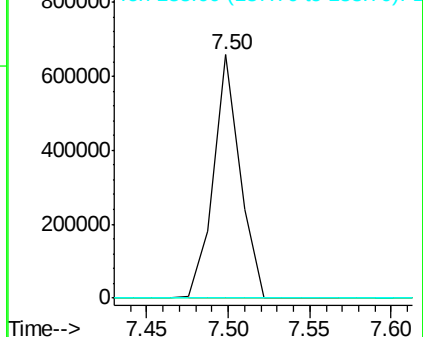
138 0.0 13.3 19.9#

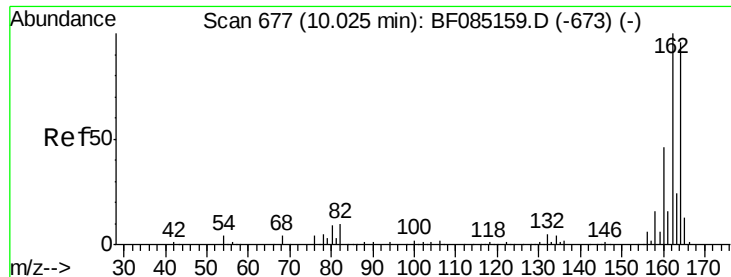


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

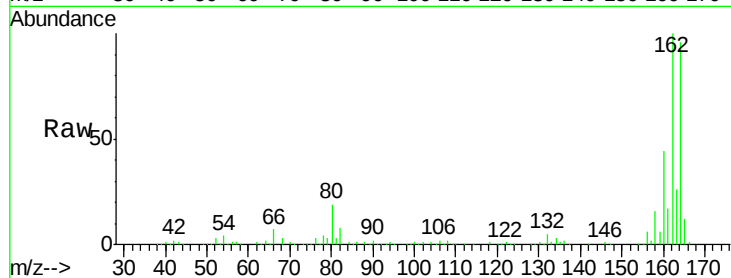
Tot Ion:164 Resp: 204526

Ion Ratio Lower Upper

164 100

162 104.1 83.3 124.9

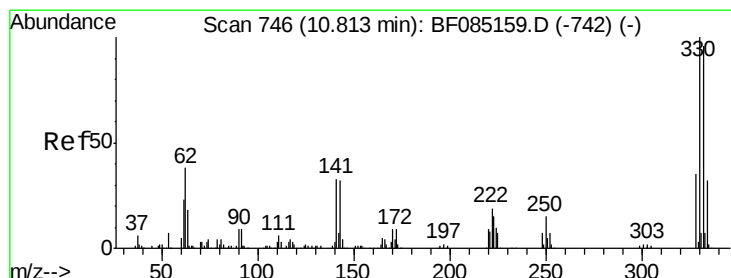
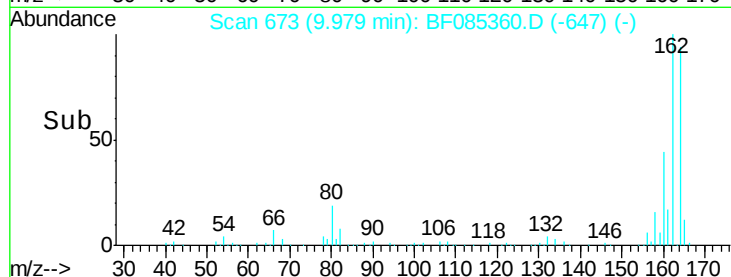
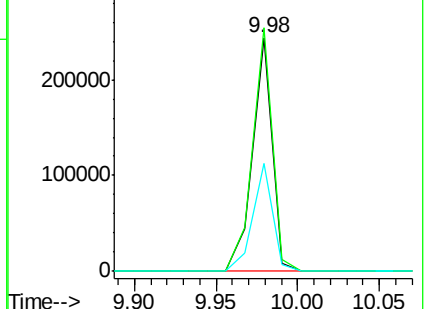
160 46.0 37.9 56.9



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: 139.45 ng

RT: 10.77 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

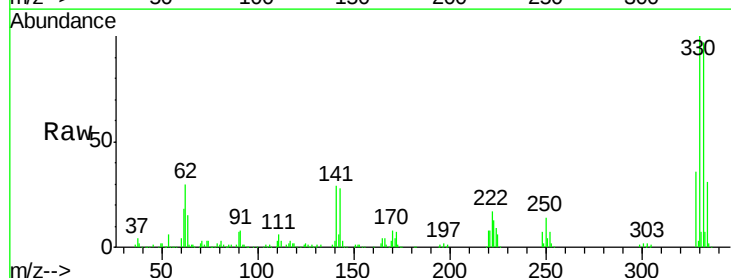
Tgt Ion:330 Resp: 244044

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

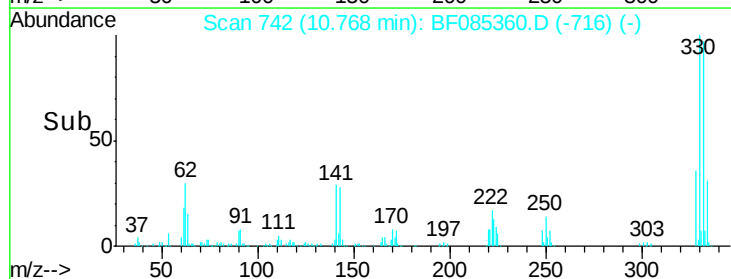
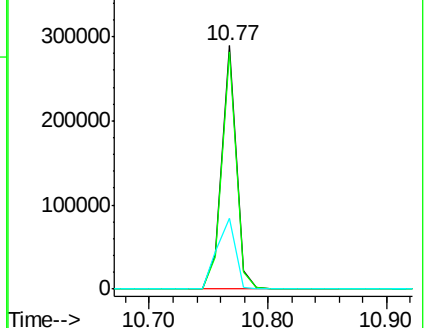
141 37.3 35.0 52.6

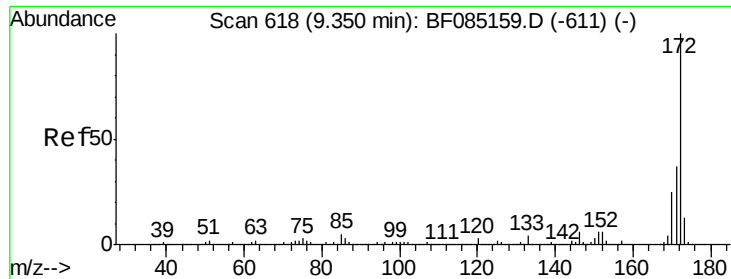


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

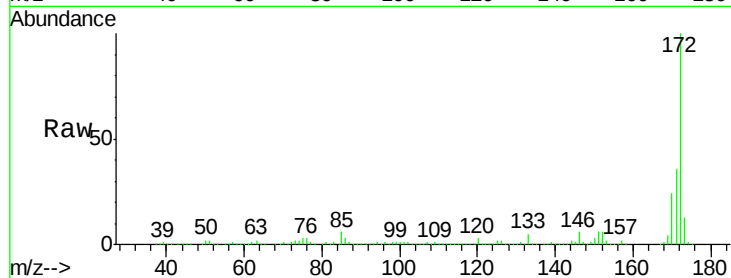




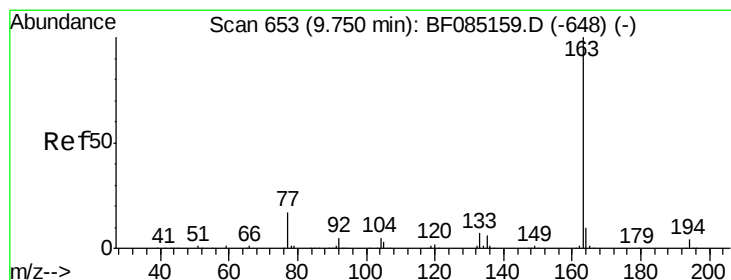
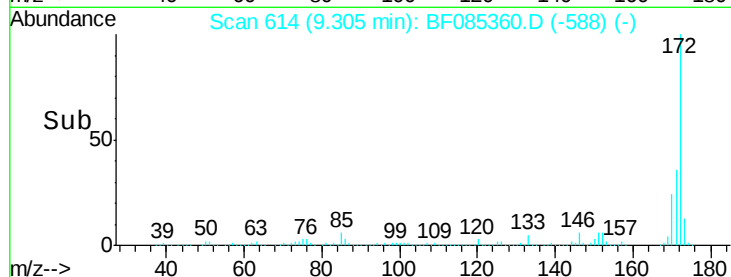
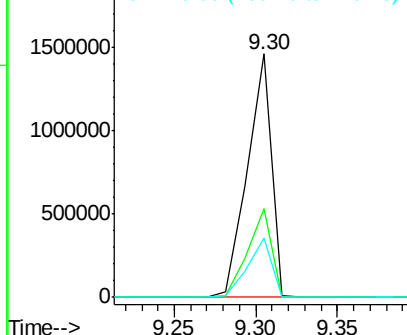
#44
2-Fluorobiphenyl
Concen: 111.14 ng
RT: 9.30 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1494653
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.4 20.0 30.0

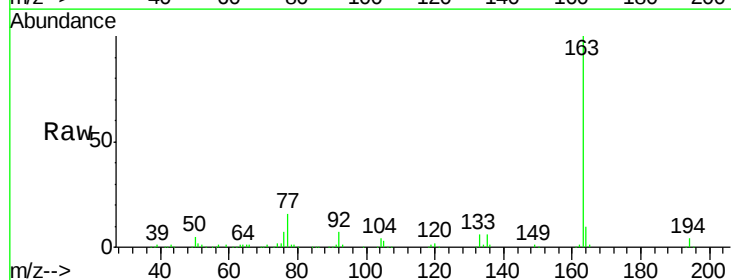


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

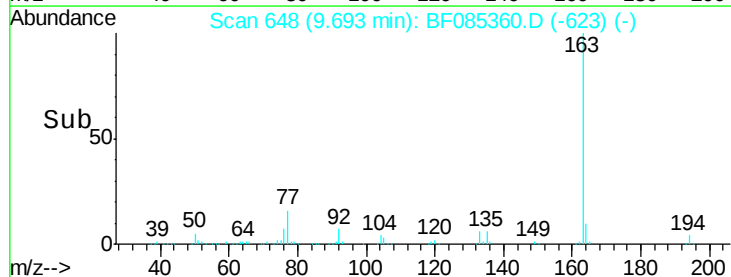
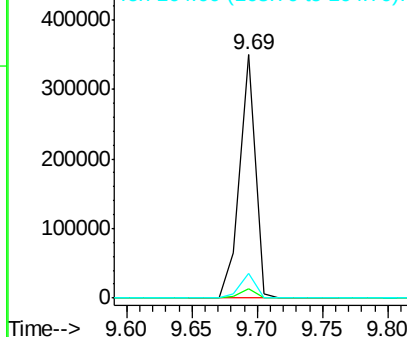


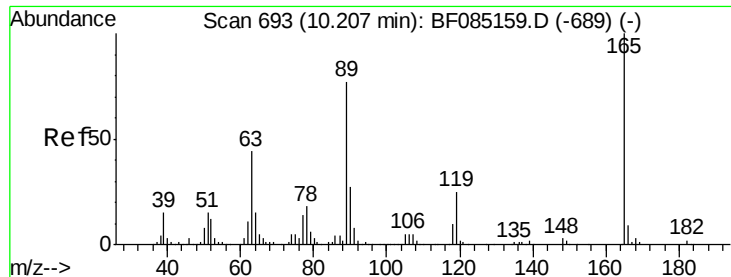
#49
Dimethylphthalate
Concen: 18.48 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Tgt Ion:163 Resp: 290092
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 8.2 12.4



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





#56

2,4-Dinitrotoluene

Concen: 6.15 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.18 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 26440

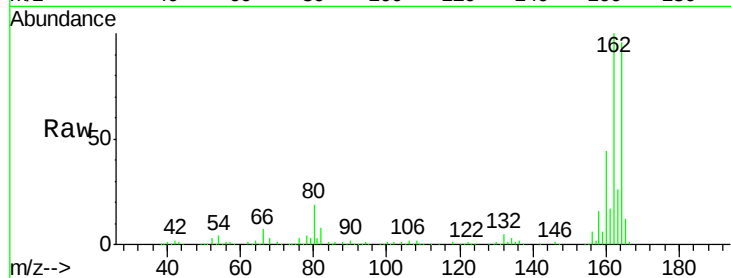
Ion Ratio Lower Upper

165 100

63 1.2 35.4 53.0#

89 1.5 61.9 92.9#

182 0.0 1.9 2.9#

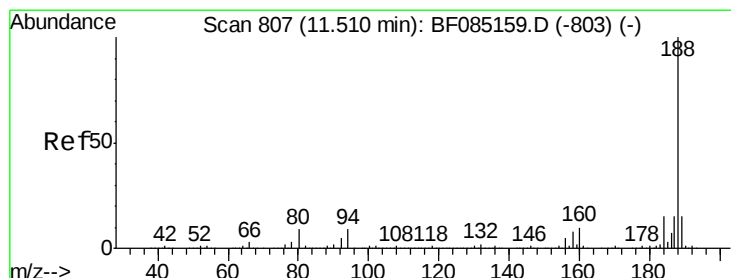
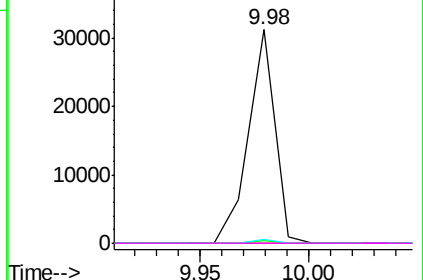
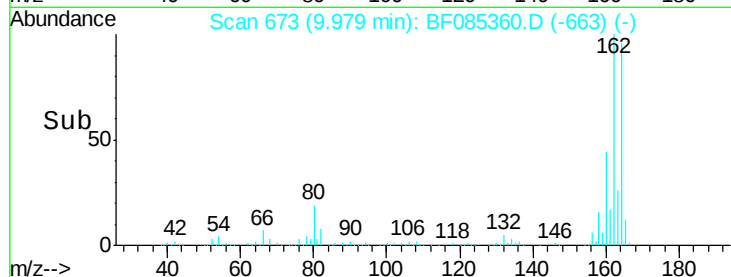


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

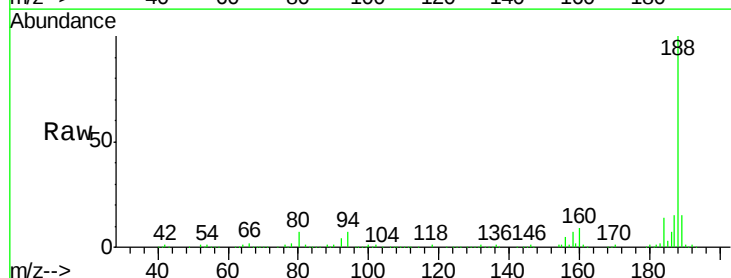
Tgt Ion:188 Resp: 354290

Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.6

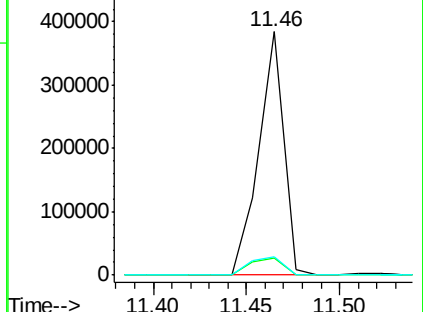
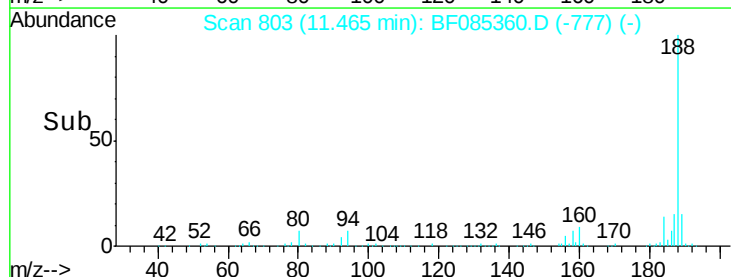
80 7.5 7.4 11.0

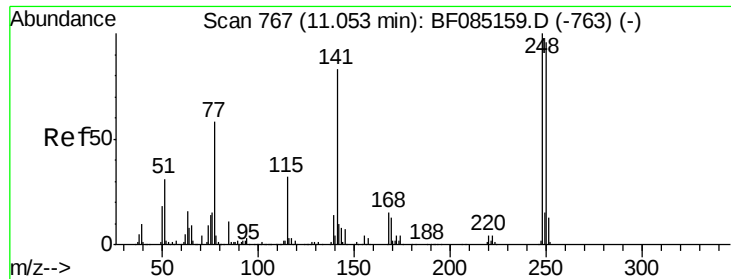


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.12 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.24 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

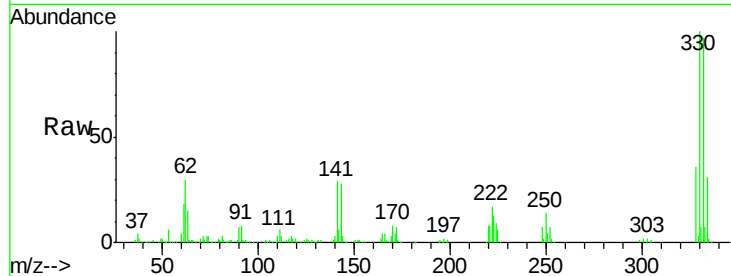
Tot Ion:248 Resp: 17622

Ion Ratio Lower Upper

248 100

250 195.5 77.1 115.7#

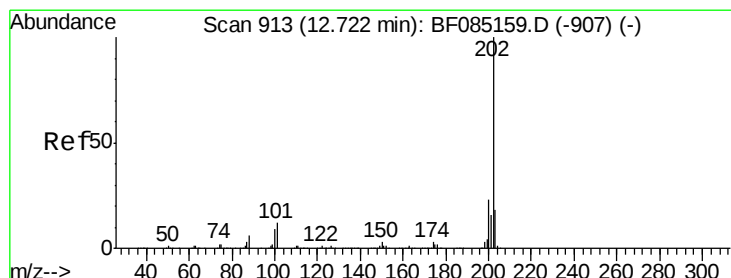
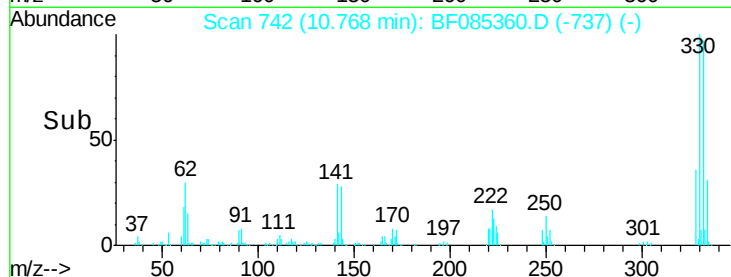
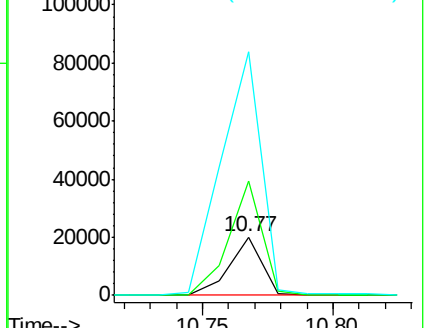
141 418.3 66.2 99.2#



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



#74

Fluoranthene

Concen: 3.00 ng

RT: 12.68 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

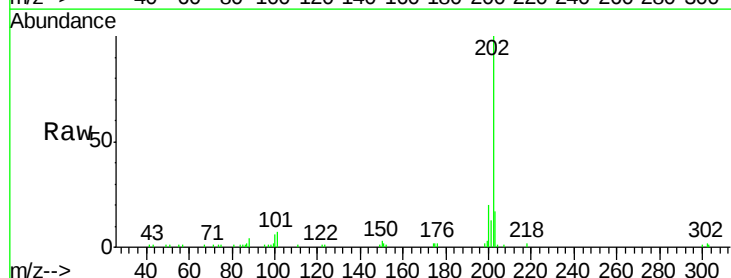
Tgt Ion:202 Resp: 55930

Ion Ratio Lower Upper

202 100

101 7.2 0.0 31.8

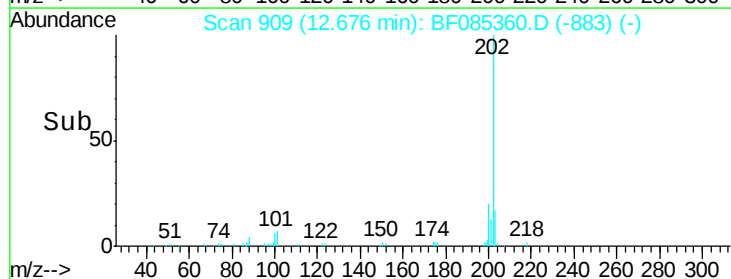
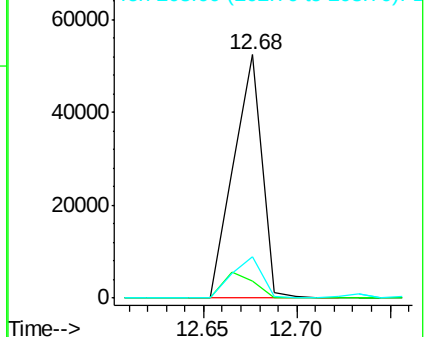
203 17.1 0.0 38.4

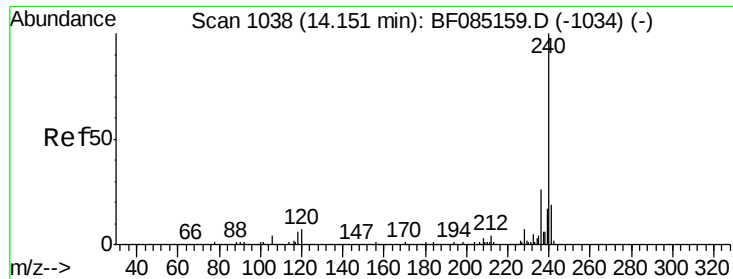


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :

BNA_F

ClientSampleId :

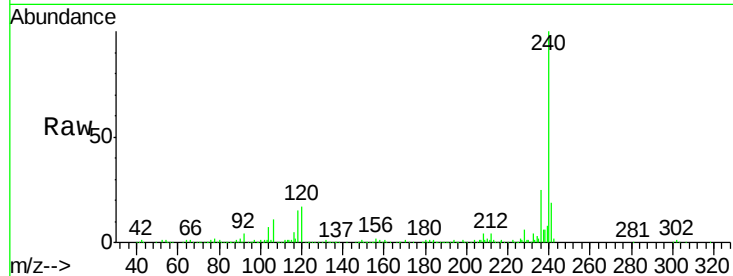
Tot Ion:240 Resp: 230352

Ion Ratio Lower Upper

240 100

120 16.7 5.3 7.9#

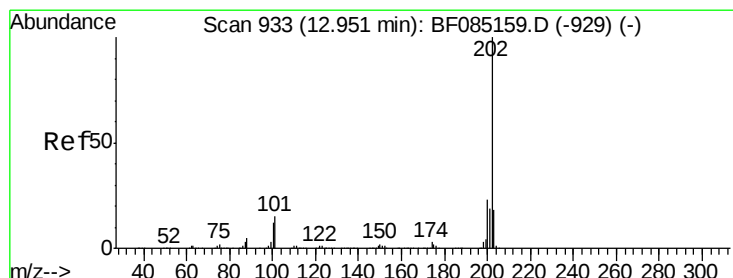
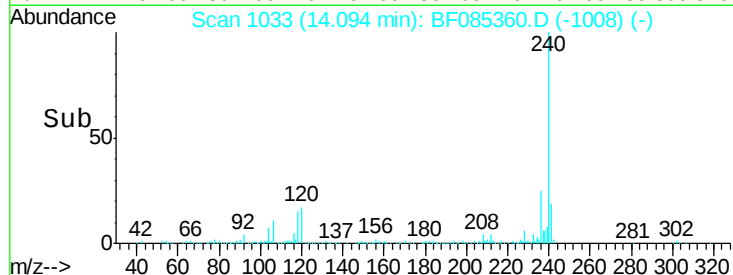
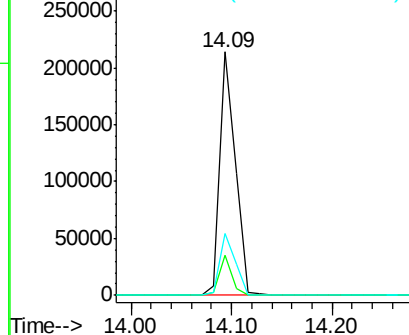
236 25.2 20.7 31.1



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: 2.59 ng

RT: 12.90 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

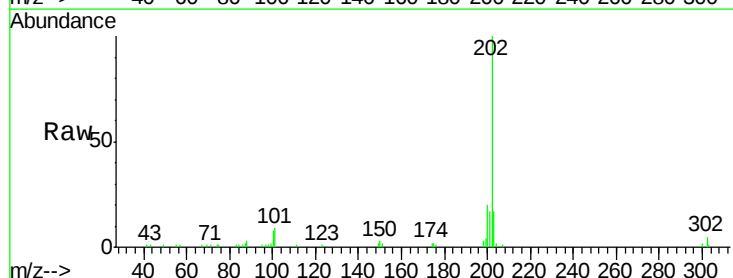
Tgt Ion:202 Resp: 44899

Ion Ratio Lower Upper

202 100

200 19.7 18.2 27.4

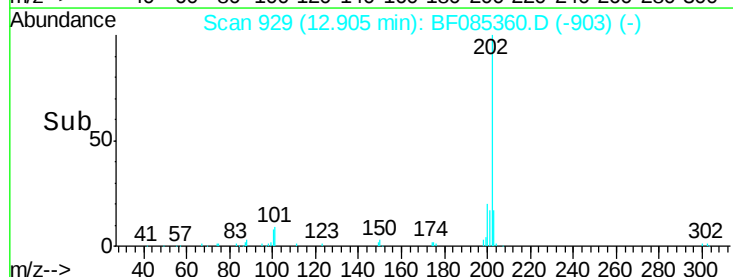
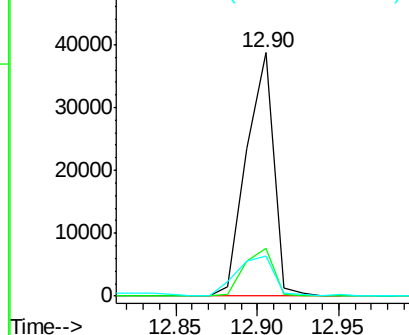
203 16.6 14.7 22.1

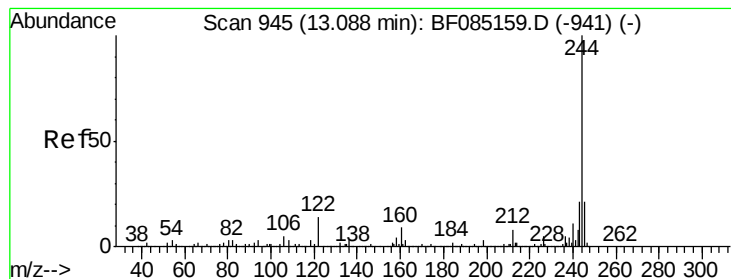


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.18 ng

RT: 13.05 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

Instrument :
BNA_F
ClientSampled :

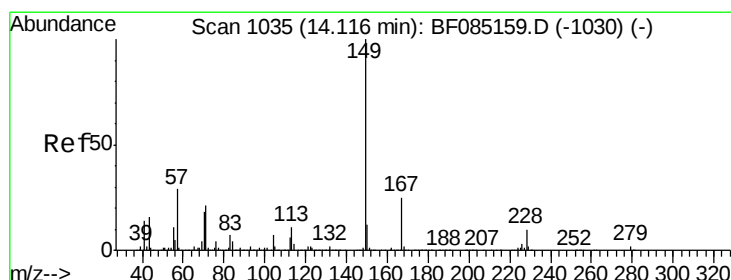
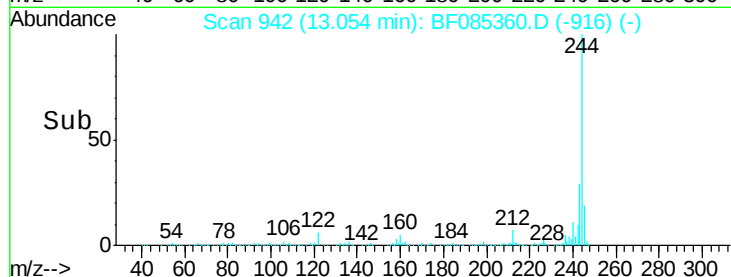
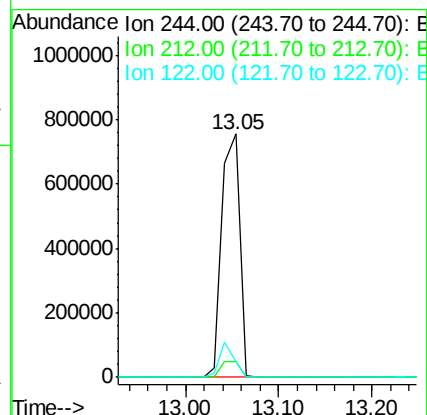
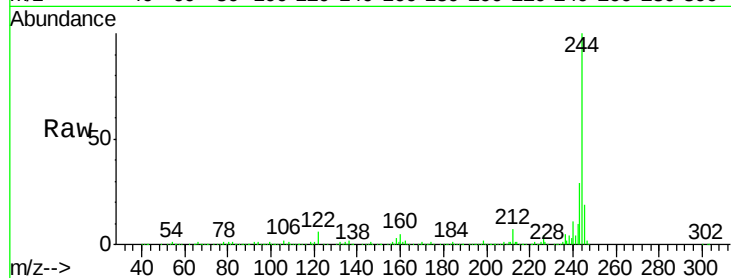
Tot Ion:244 Resp: 1003972

Ion Ratio Lower Upper

244 100

212 6.5 6.4 9.6

122 6.3 11.4 17.2#



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.23 ng

RT: 14.08 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF085360.D

Acq: 11 Mar 2016 4:08

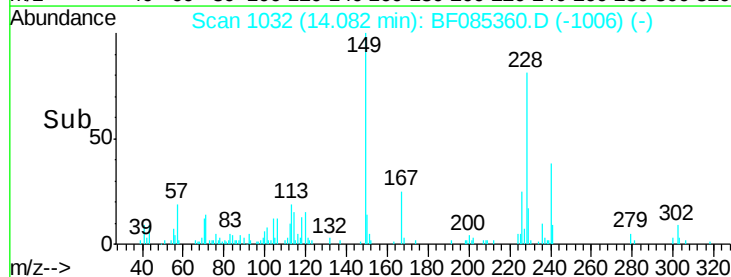
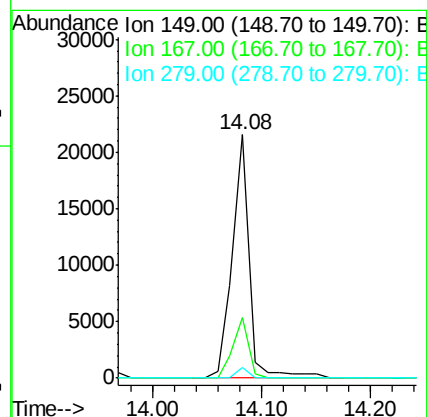
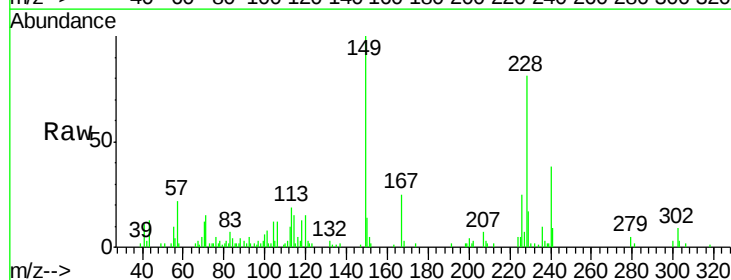
Tgt Ion:149 Resp: 23135

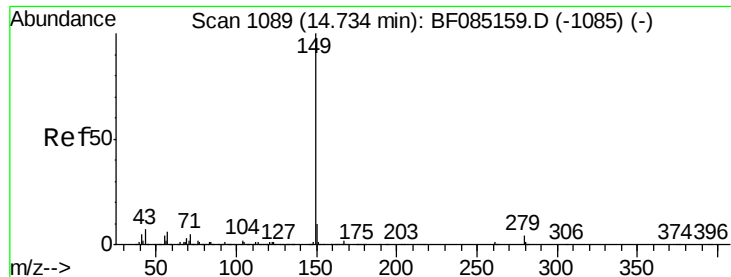
Ion Ratio Lower Upper

149 100

167 25.1 20.3 30.5

279 4.5 1.9 2.9#

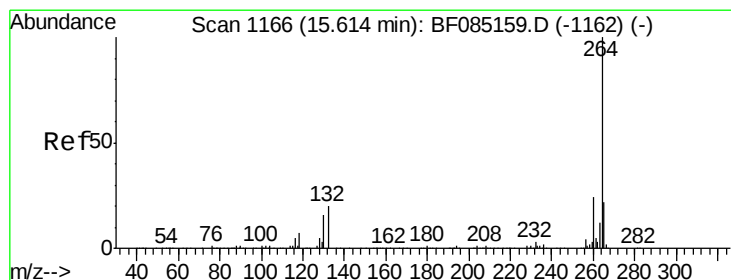
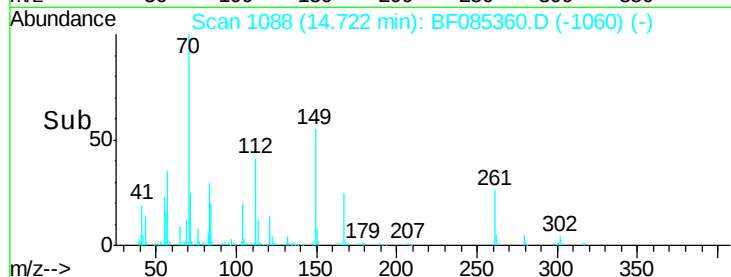
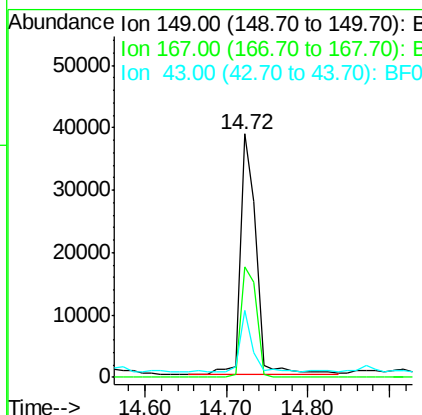
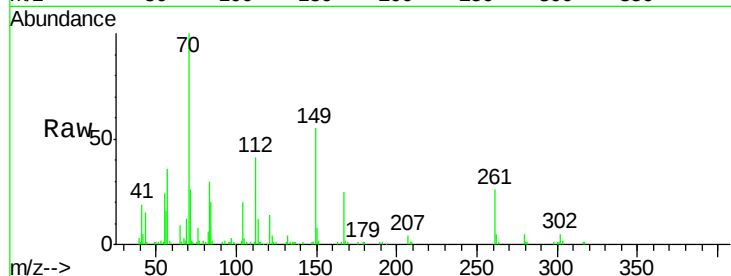




#84
Di-n-octyl phthalate
Concen: 3.31 ng
RT: 14.72 min Scan# 1088
Delta R.T. 0.02 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

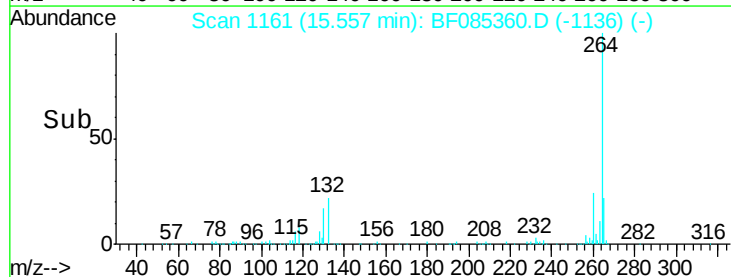
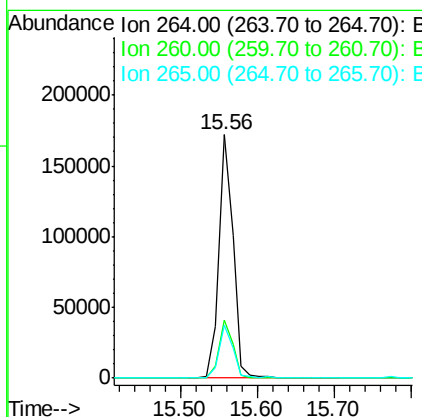
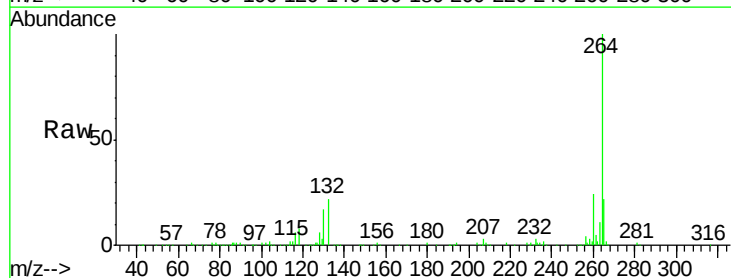
Instrument :
BNA_F
ClientSampleId :

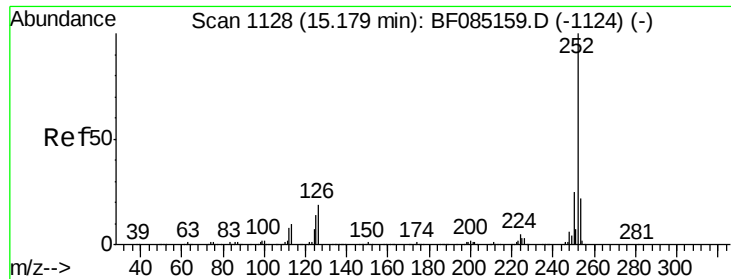
Tot Ion:149 Resp: 52243
Ion Ratio Lower Upper
149 100
167 44.7 1.1 1.7#
43 18.9 7.8 11.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Tgt Ion:264 Resp: 223315
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 17.3 25.9

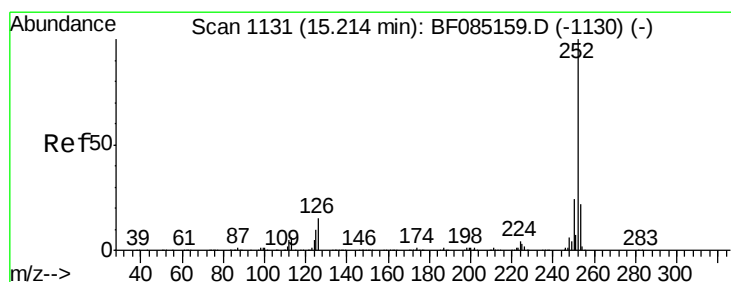
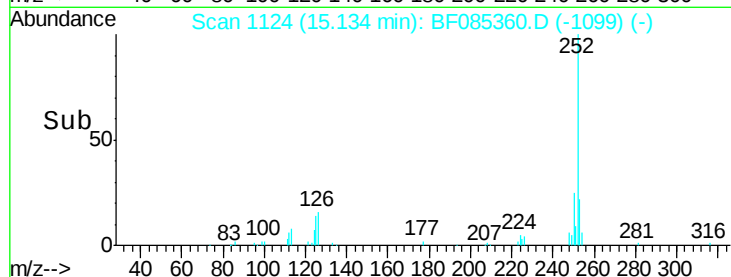
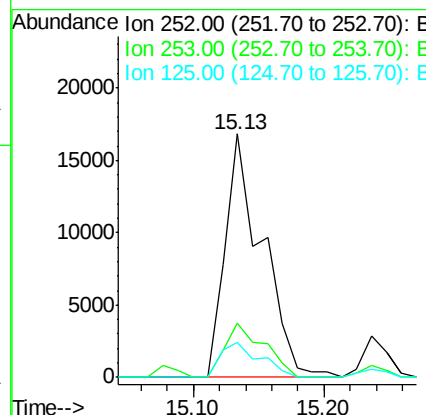
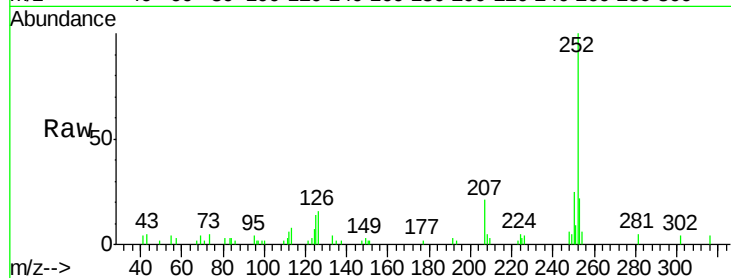




#87
Benzo(b)fluoranthene
Concen: 2.23 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 33190
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 14.3 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 2.76 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF085360.D
Acq: 11 Mar 2016 4:08

Tgt Ion:252 Resp: 33190
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 14.3 10.4 15.6

