

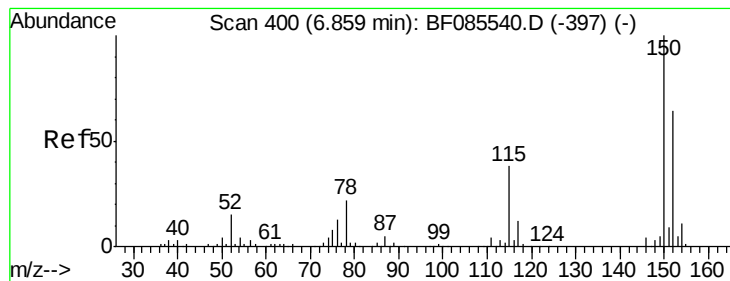
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085608.D
 Acq On : 20 Mar 2016 9:53
 Operator : UM/SJ
 Sample : H1815-04
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Quant Time: Mar 21 00:21:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	126573	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	531216	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	222348	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	405340	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	254529	20.00	ng	-0.01
86) Perylene-d12	15.43	264	244713	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1166752	154.83	ng	0.01
7) Phenol-d6	6.49	99	1411376	146.03	ng	0.00
23) Nitrobenzene-d5	7.42	82	814679	89.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	335722	154.14	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1349153	112.52	ng	-0.01
78) Terphenyl-d14	12.96	244	1154448	109.14	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	22440	2.69	ng	82
19) n-Nitroso-di-n-propylamine	7.42	70	108140	18.73	ng	# 77
49) Dimethylphthalate	9.60	163	190469	11.35	ng	# 99
56) 2,4-Dinitrotoluene	9.89	165	27651	5.96	ng	# 37
66) 4-Bromophenyl-phenylether	10.68	248	19799	4.89	ng	# 1
77) Pyrene	12.81	202	38608	2.11	ng	97
88) Benzo(k)fluoranthene	15.02	252	29242	2.22	ng	# 86

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

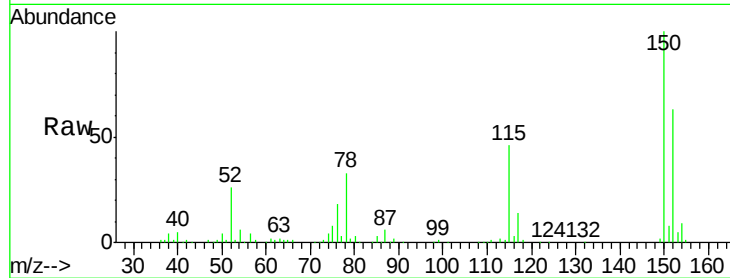
Tgt Ion:152 Resp: 126573

Ion Ratio Lower Upper

152 100

150 158.4 124.2 186.2

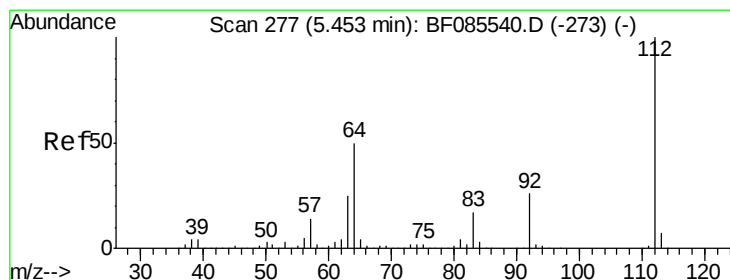
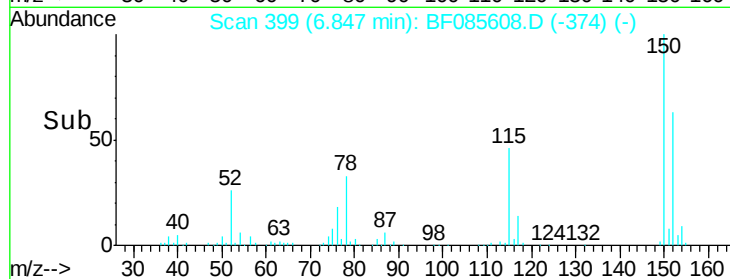
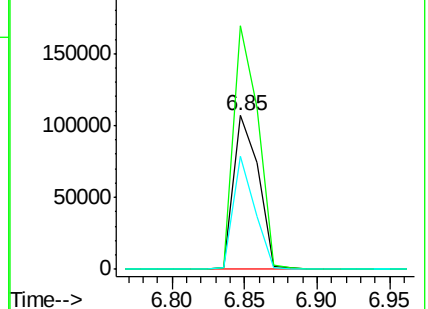
115 73.6 47.0 70.6#



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: 154.83 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

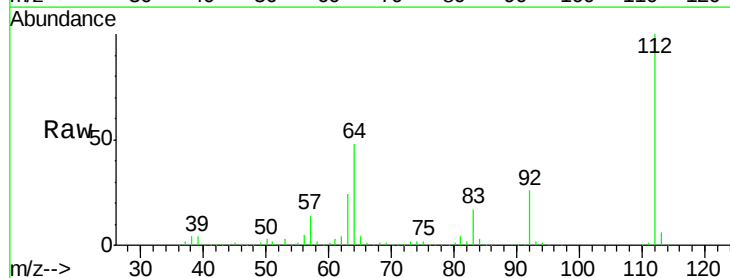
Tgt Ion:112 Resp: 1166752

Ion Ratio Lower Upper

112 100

64 47.9 39.9 59.9

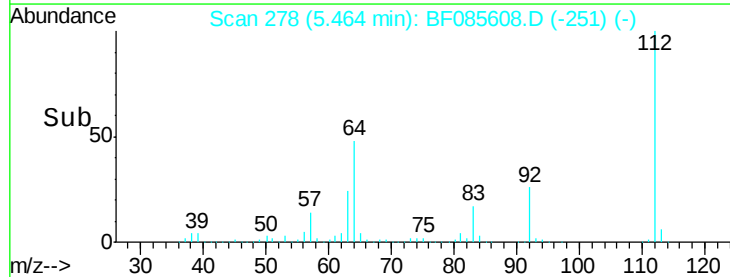
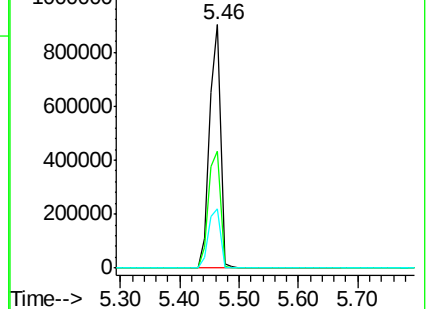
63 24.3 20.2 30.2

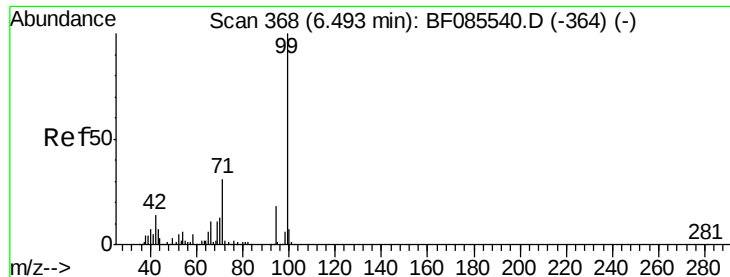


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.03 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

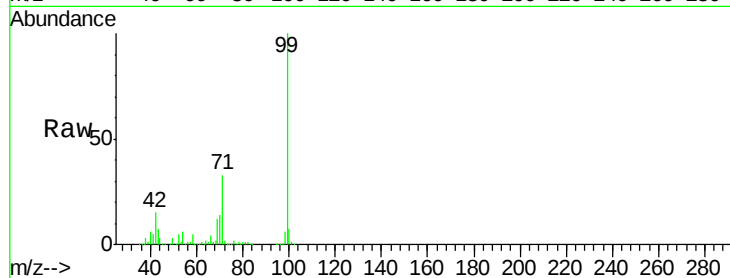
Tgt Ion: 99 Resp: 1411376

Ion Ratio Lower Upper

99 100

42 14.6 11.1 16.7

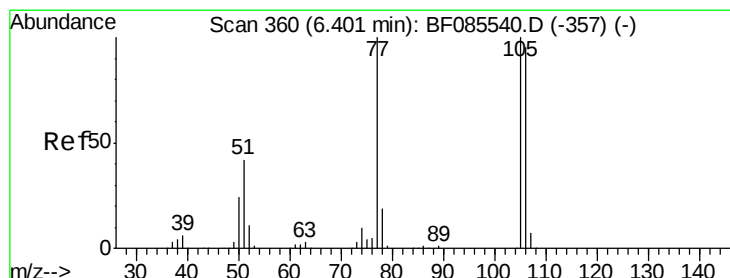
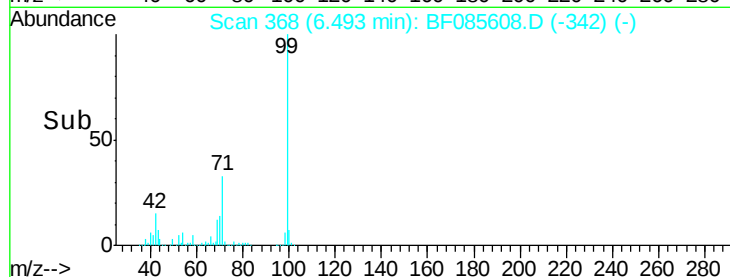
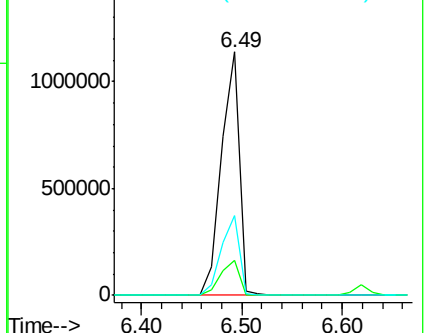
71 33.0 24.9 37.3



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: 2.69 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.22 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

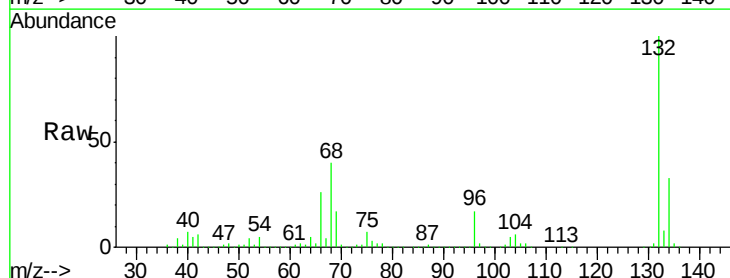
Tgt Ion: 77 Resp: 22440

Ion Ratio Lower Upper

77 100

105 82.4 80.1 120.1

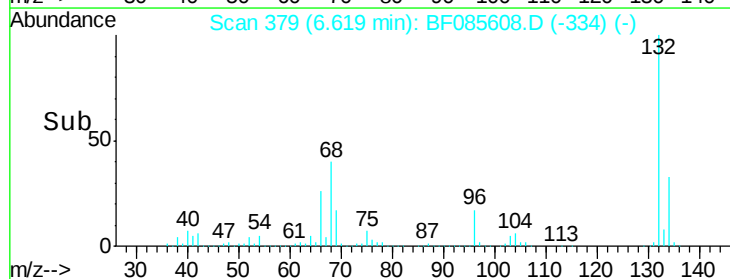
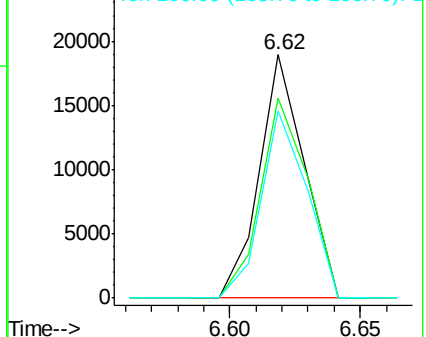
106 77.2 75.0 115.0

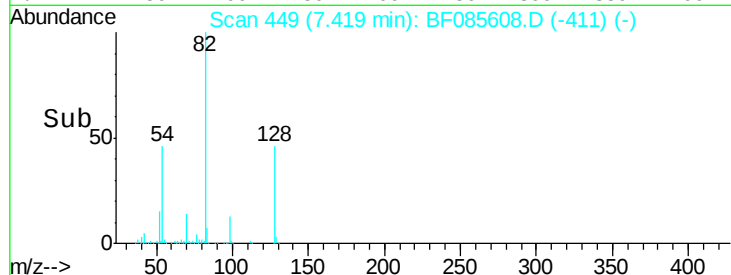
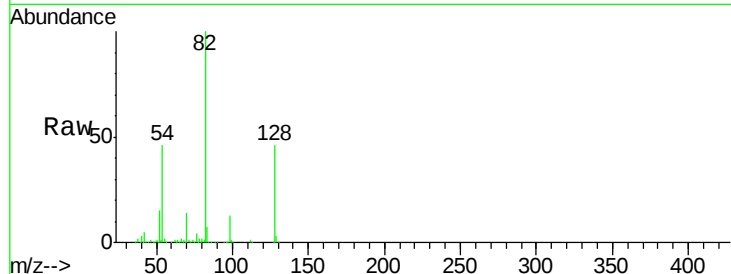
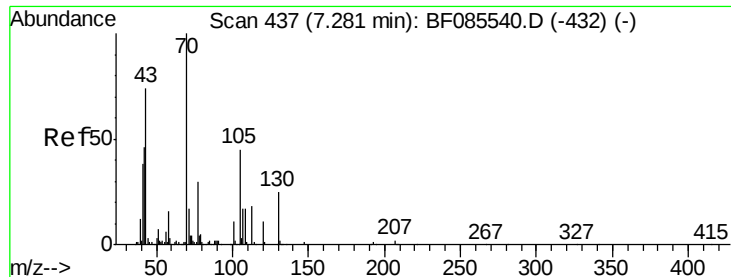


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

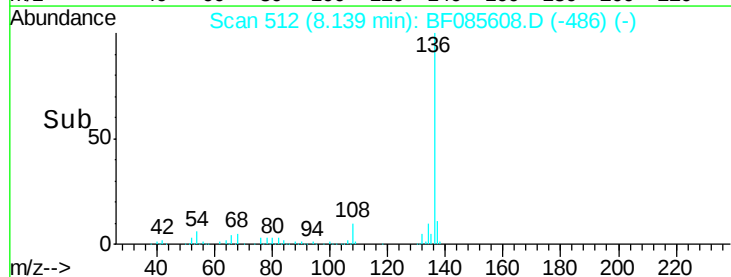
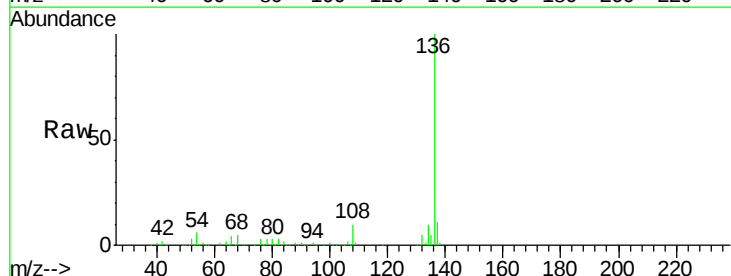
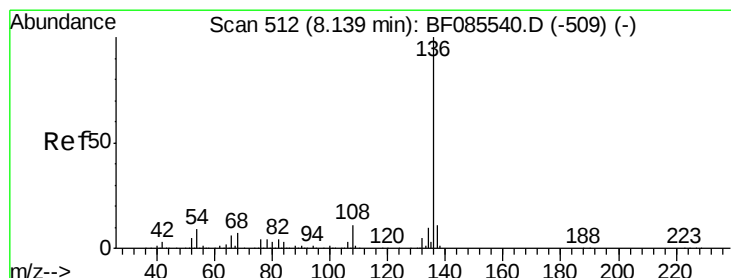
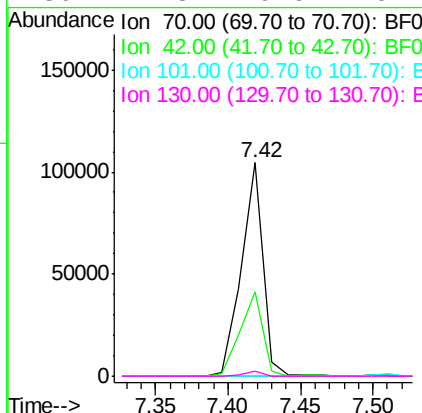




#19
n-Nitroso-di-n-propylamine
Concen: 18.73 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.14 min
Lab File: BF085608.D
Acq: 20 Mar 2016 9:53

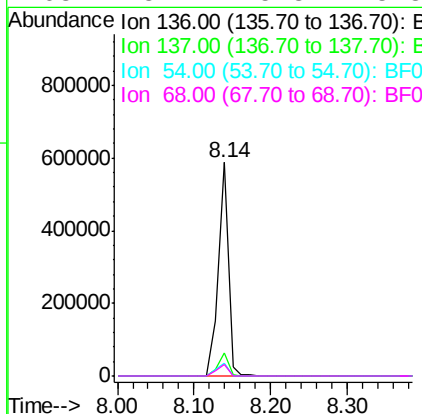
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

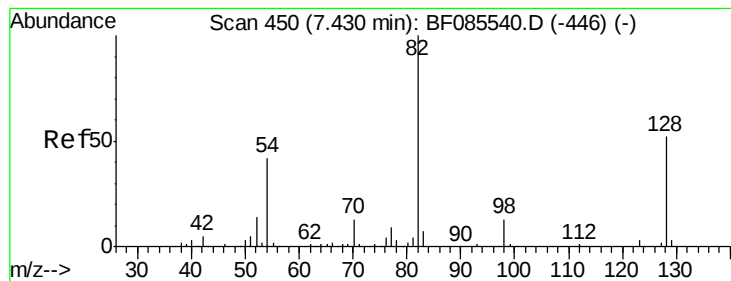
Tgt Ion: 70 Resp: 108140
Ion Ratio Lower Upper
70 100
42 39.7 37.1 55.7
101 0.0 8.6 12.8#
130 2.3 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085608.D
Acq: 20 Mar 2016 9:53

Tgt Ion: 136 Resp: 531216
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 5.9 7.4 11.0#
68 5.2 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 89.02 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

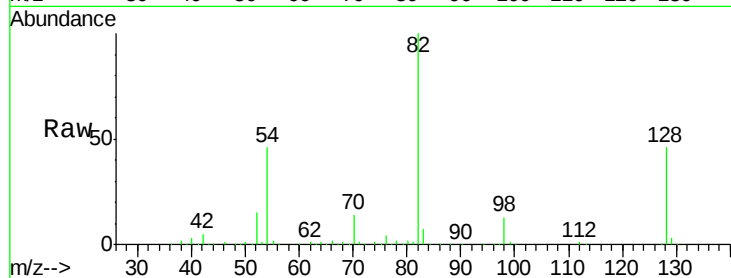
Tgt Ion: 82 Resp: 814679

Ion Ratio Lower Upper

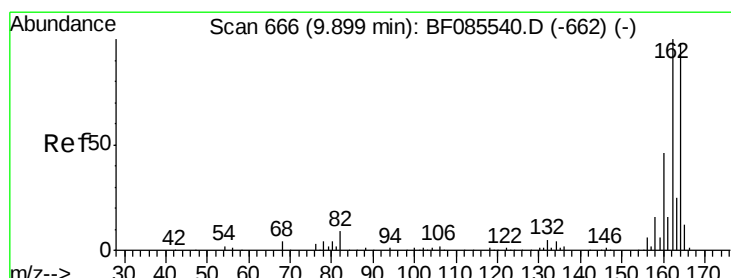
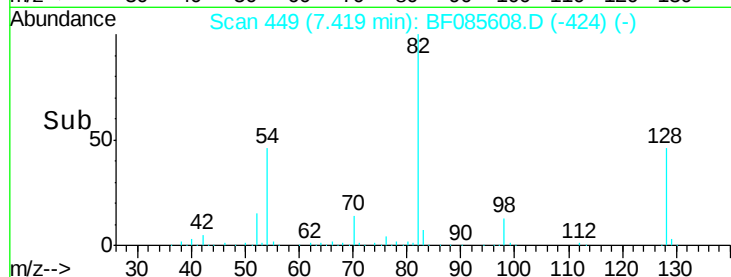
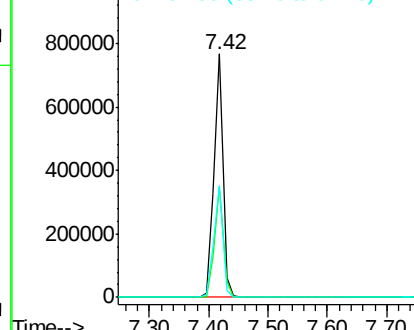
82 100

128 45.5 41.8 62.8

54 45.7 33.4 50.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

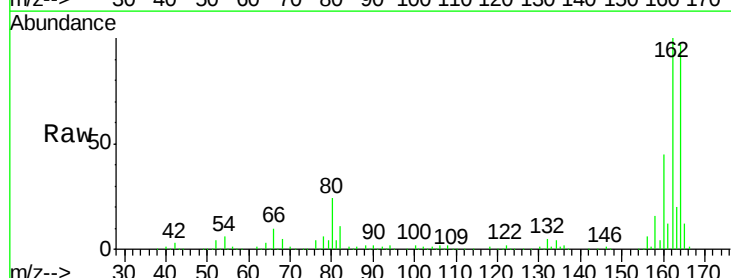
Tgt Ion: 164 Resp: 222348

Ion Ratio Lower Upper

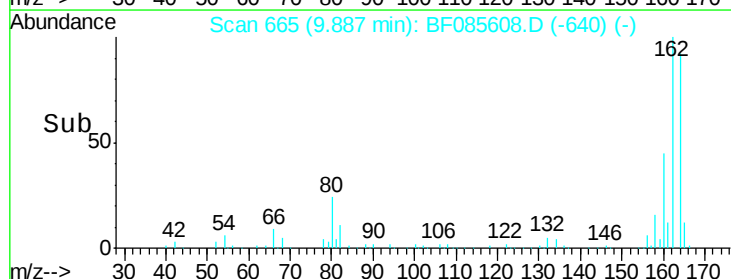
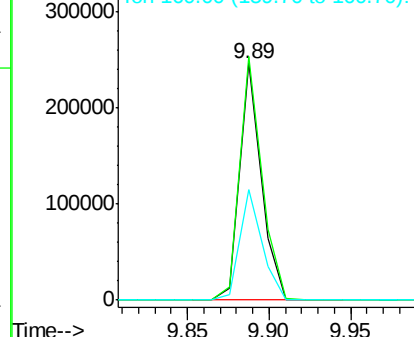
164 100

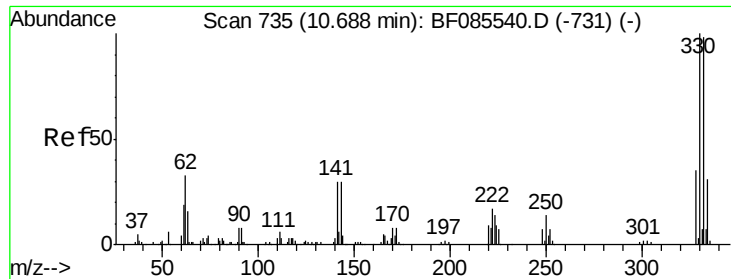
162 102.7 82.1 123.1

160 46.5 37.4 56.2



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

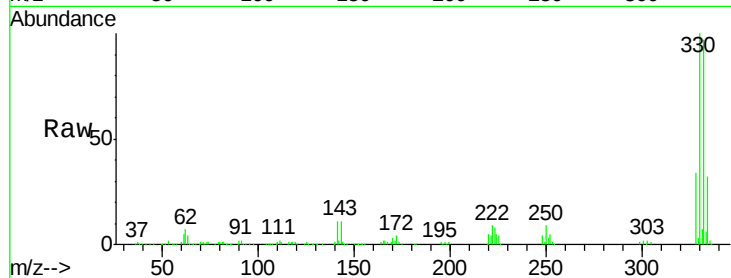




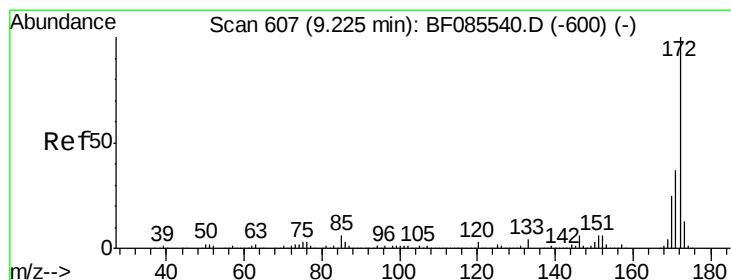
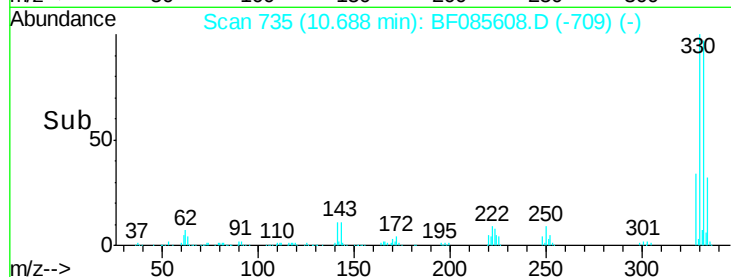
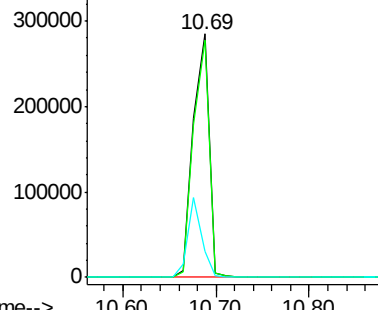
#41
 2,4,6-Tribromophenol
 Concen: 154.14 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085608.D
 Acq: 20 Mar 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tgt Ion:330 Resp: 335722
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.2 117.2
 141 29.5 31.5 47.3#

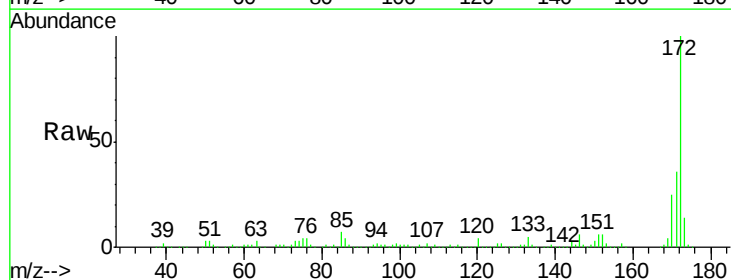


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

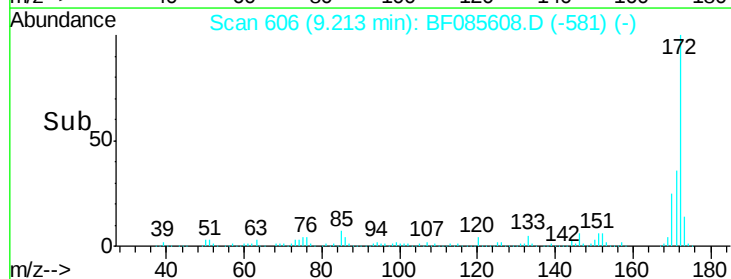
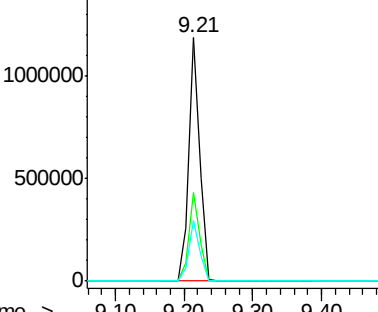


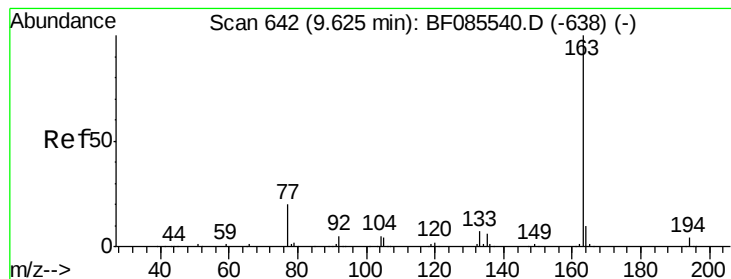
#44
 2-Fluorobiphenyl
 Concen: 112.52 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085608.D
 Acq: 20 Mar 2016 9:53

Tgt Ion:172 Resp: 1349153
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.2
 170 24.9 19.8 29.6



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





#49

Dimethylphthalate

Concen: 11.35 ng

RT: 9.60 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

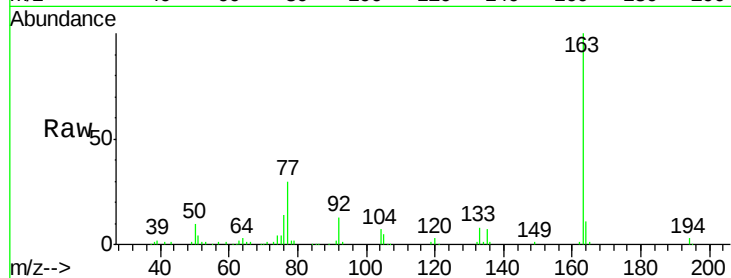
Tgt Ion:163 Resp: 190469

Ion Ratio Lower Upper

163 100

194 2.8 2.9 4.3#

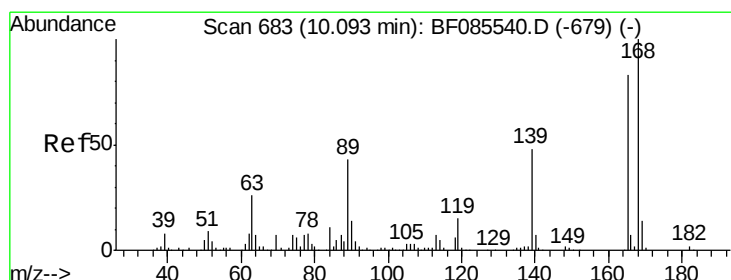
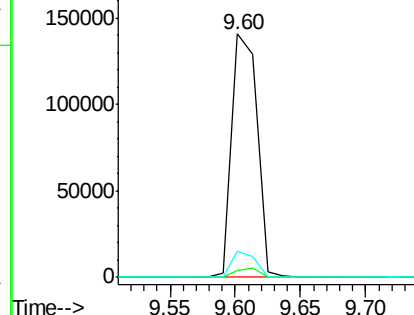
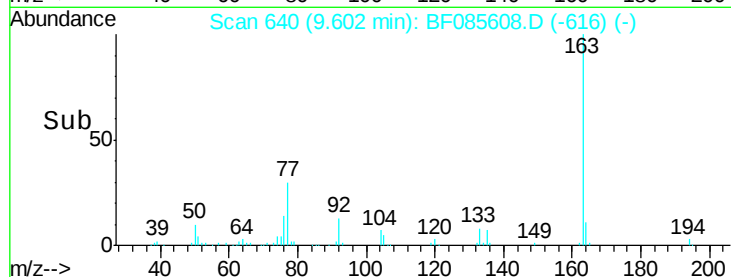
164 10.6 8.3 12.5



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: 5.96 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Tgt Ion:165 Resp: 27651

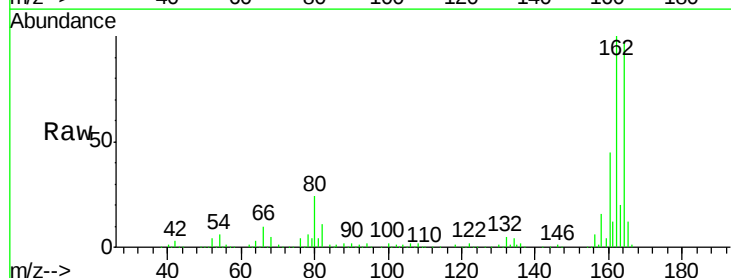
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 1.5 41.0 61.6#

182 0.0 2.1 3.1#

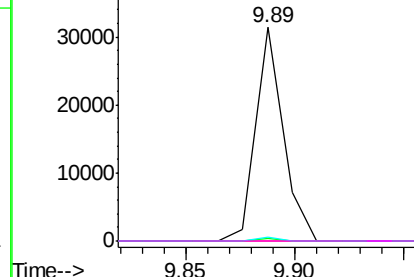
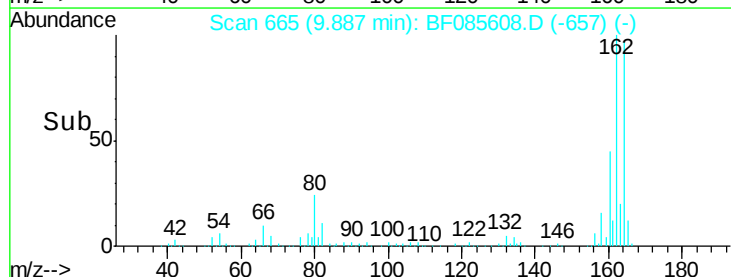


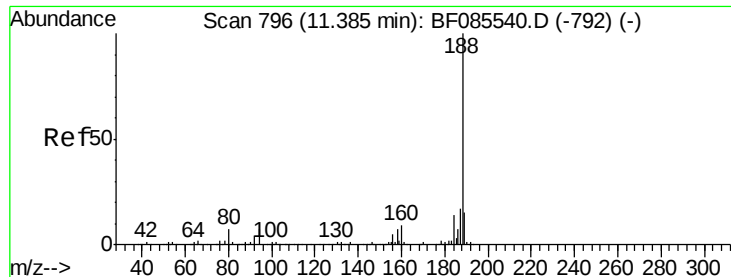
Abundance Ion 165.00 (164.70 to 165.70): E

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

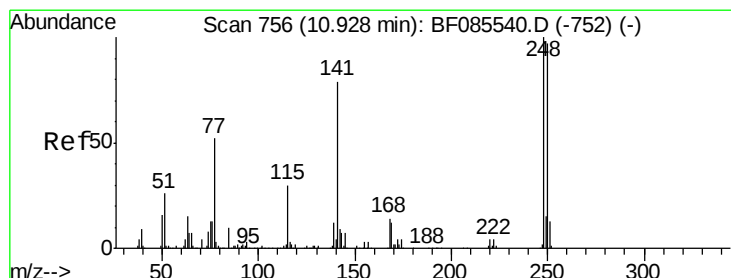
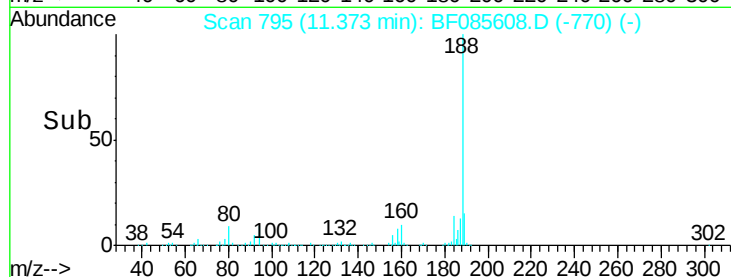
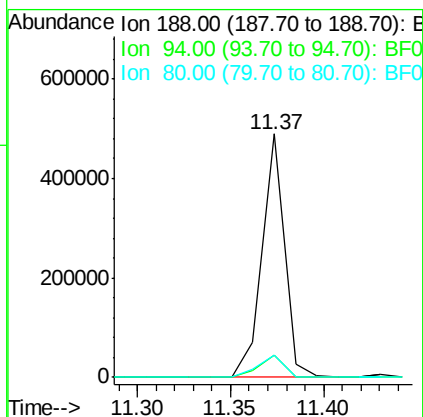
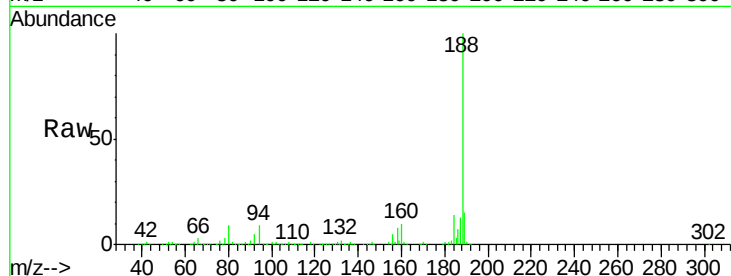




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085608.D
Acq: 20 Mar 2016 9:53

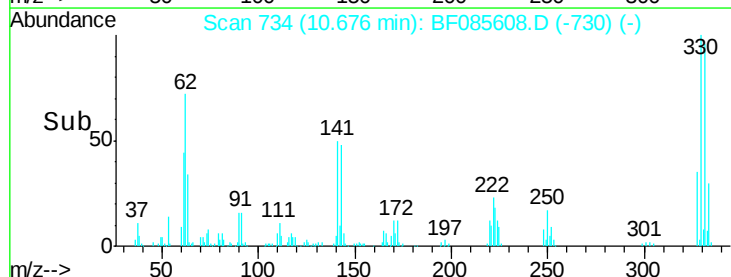
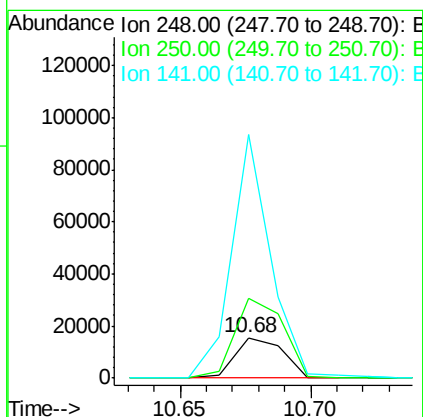
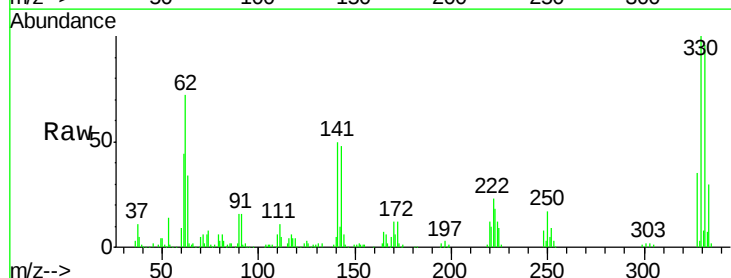
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

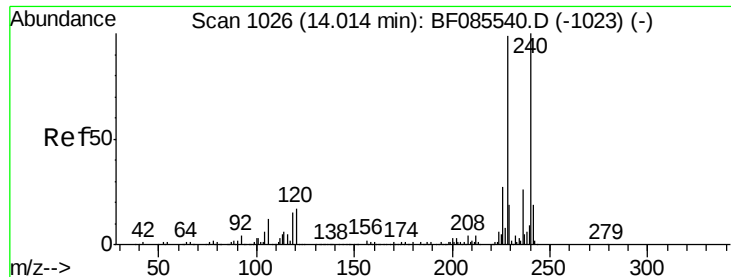
Tgt Ion:188 Resp: 405340
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 9.1 5.5 8.3#



#66
4-Bromophenyl-phenylether
Concen: 4.89 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.25 min
Lab File: BF085608.D
Acq: 20 Mar 2016 9:53

Tgt Ion:248 Resp: 19799
Ion Ratio Lower Upper
248 100
250 199.3 77.4 116.0#
141 605.0 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

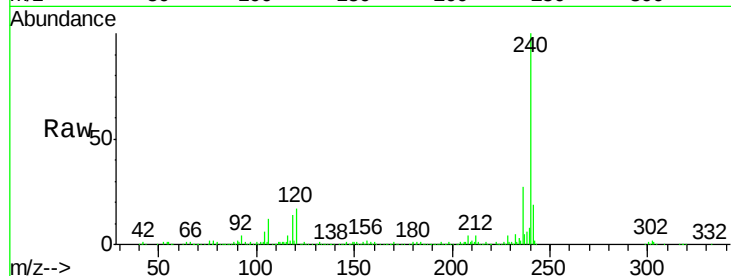
Tgt Ion:240 Resp: 254529

Ion Ratio Lower Upper

240 100

120 16.6 13.8 20.8

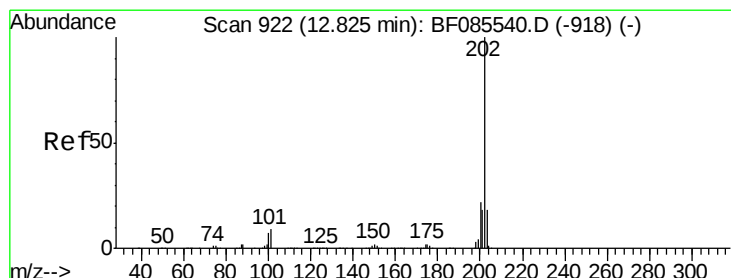
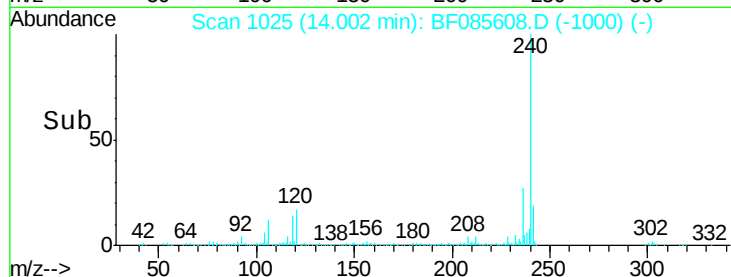
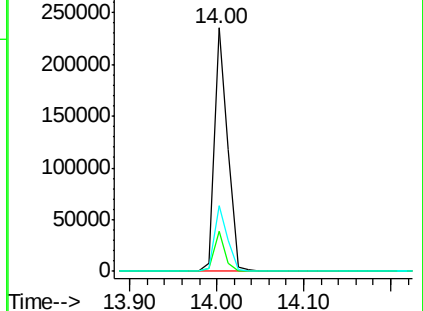
236 26.8 20.6 30.8



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: 2.11 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

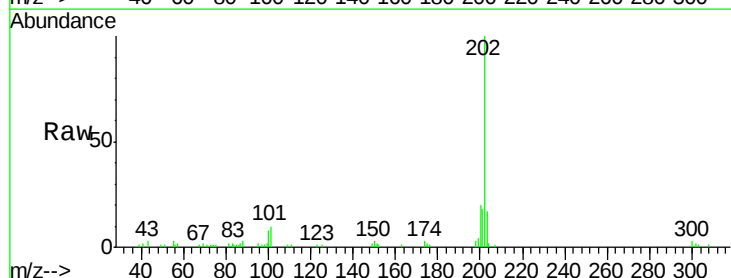
Tgt Ion:202 Resp: 38608

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

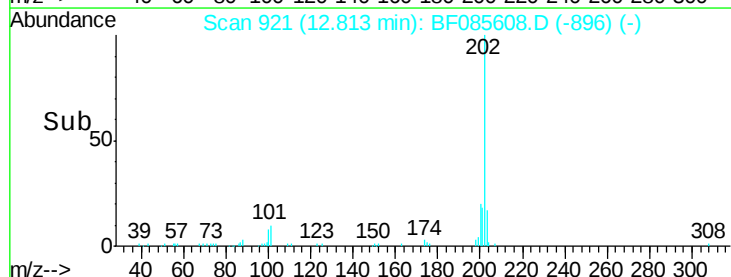
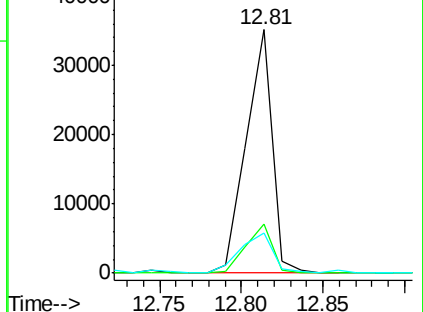
203 16.6 14.0 21.0

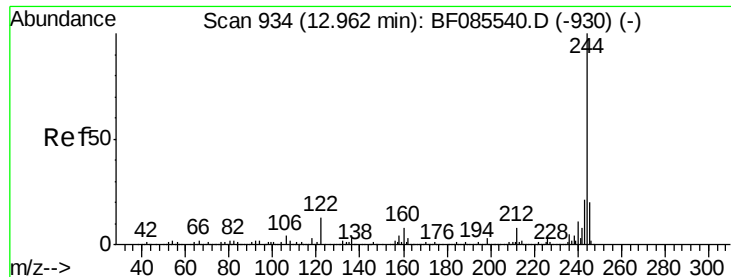


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 109.14 ng

RT: 12.96 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

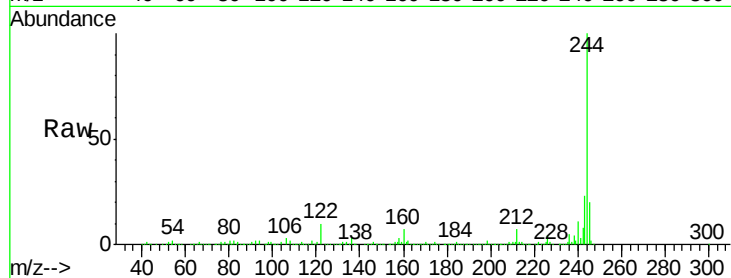
Tgt Ion:244 Resp: 1154448

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

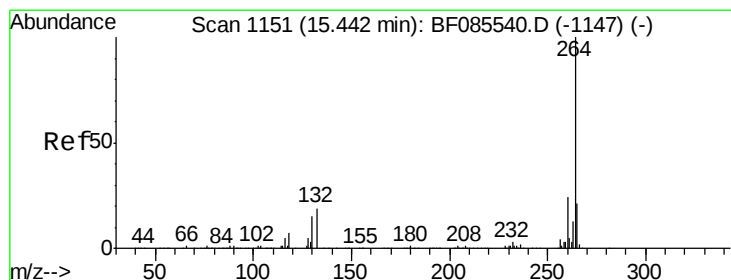
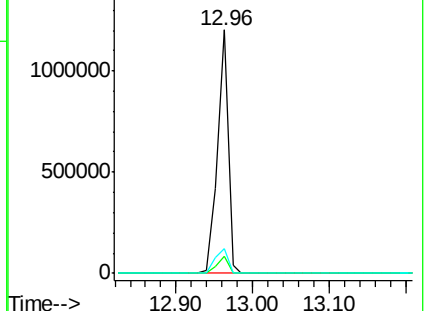
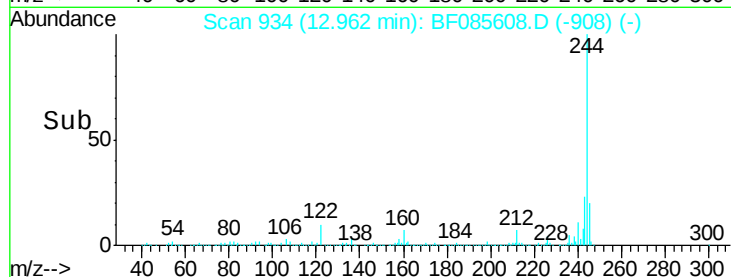
122 10.3 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF085608.D

Acq: 20 Mar 2016 9:53

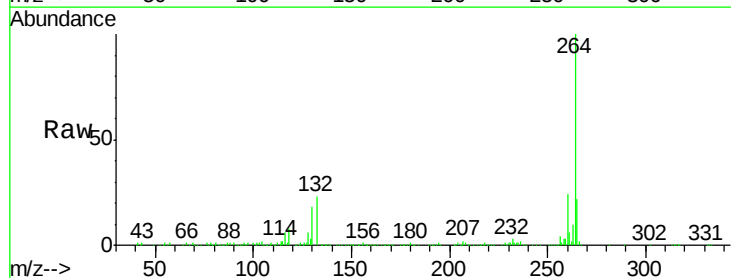
Tgt Ion:264 Resp: 244713

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

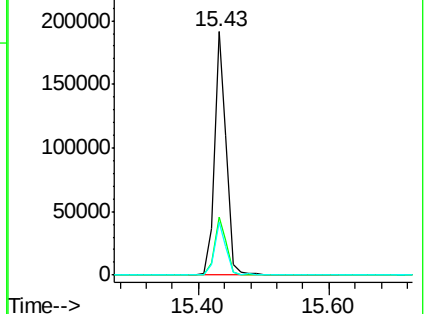
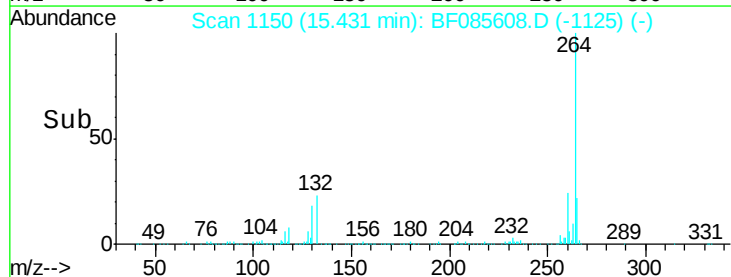
265 21.8 17.2 25.8

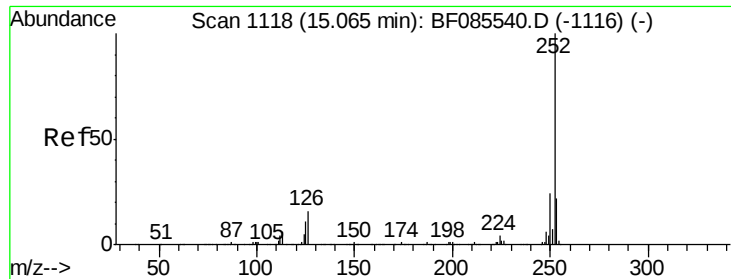


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.22 ng

RT: 15.02 min Scan# 1114

Delta R.T. -0.05 min

Lab File: BF085608.D

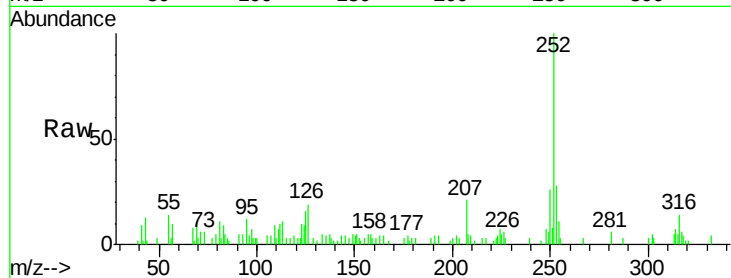
Acq: 20 Mar 2016 9:53

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP



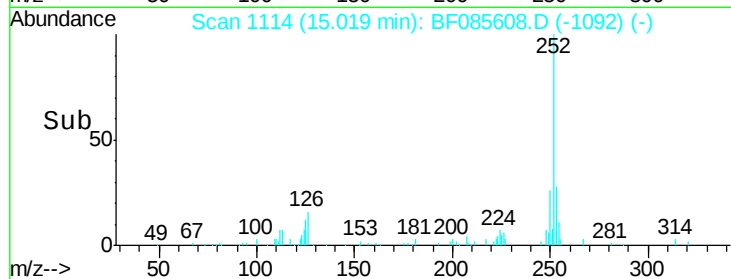
Tgt Ion: 252 Resp: 29242

Ion Ratio Lower Upper

252 100

253 27.7 17.8 26.6#

125 16.4 7.7 11.5#



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

