

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085403.D
 Acq On : 12 Mar 2016 7:07
 Operator : UM/SJ
 Sample : H1730-02 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Quant Time: Mar 14 00:44:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

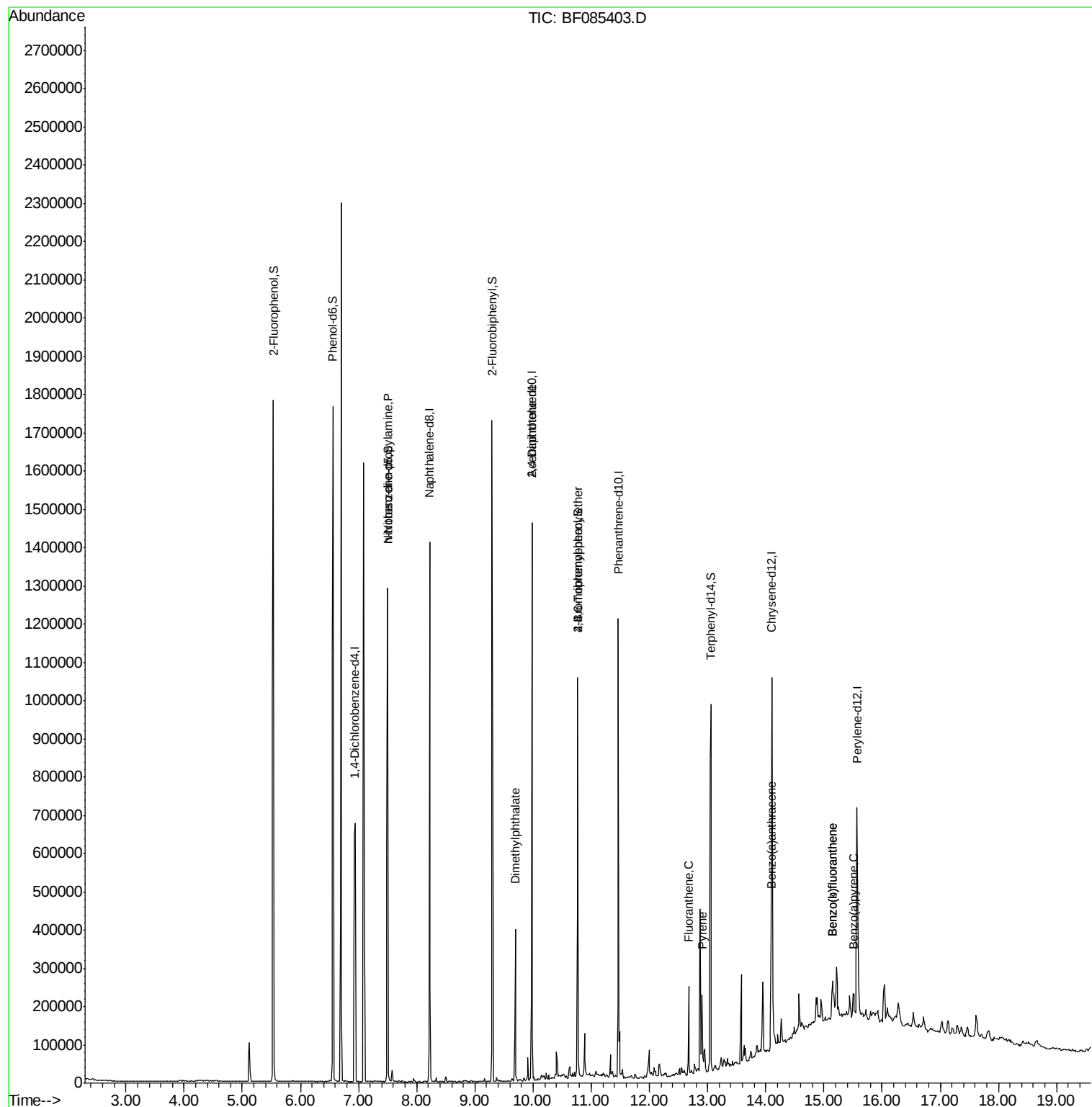
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	153403	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	593203	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	261438	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	400463	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	295956	20.00	ng	-0.05
86) Perylene-d12	15.57	264	257614	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	604150	66.06	ng	-0.05
7) Phenol-d6	6.56	99	805990	67.27	ng	-0.05
23) Nitrobenzene-d5	7.50	82	471964	42.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	126210	56.42	ng	-0.05
44) 2-Fluorobiphenyl	9.29	172	653251	38.00	ng	-0.06
78) Terphenyl-d14	13.05	244	395037	30.99	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	1075	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.50	70	61399	7.86 ng	#	2
49) Dimethylphthalate	9.69	163	164204	8.18 ng	#	76
56) 2,4-Dinitrotoluene	9.98	165	33890	6.17 ng	#	98
66) 4-Bromophenyl-phenylether	10.77	248	8585	2.21 ng	#	22
74) Fluoranthene	12.68	202	82557	3.92 ng	#	1
77) Pyrene	12.91	202	76744	3.45 ng		98
80) Benzo(a)anthracene	14.09	228	49106	2.77 ng		97
87) Benzo(b)fluoranthene	15.15	252	65591	3.82 ng		97
88) Benzo(k)fluoranthene	15.15	252	65591	4.74 ng		97
89) Benzo(a)pyrene	15.51	252	34125	2.40 ng	#	93

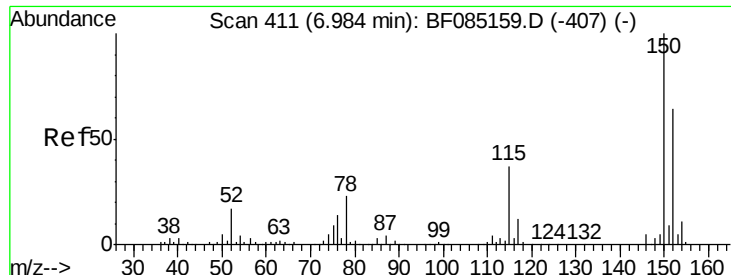
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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W170TH-SB-23-COMP(0.5-1.5)

Quant Time: Mar 14 00:44:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

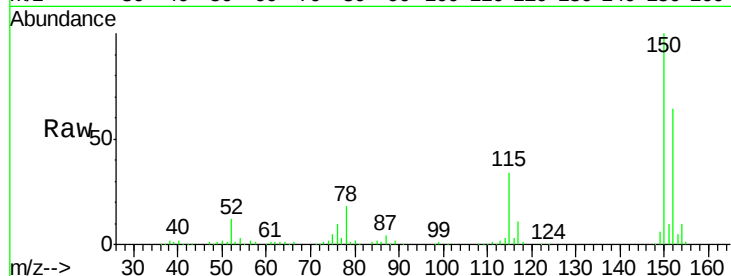




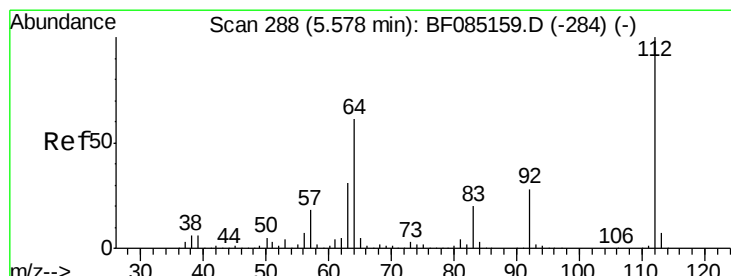
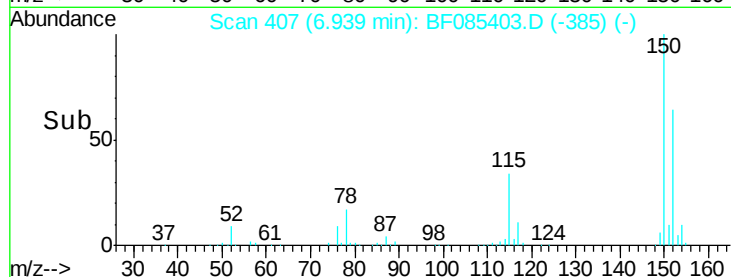
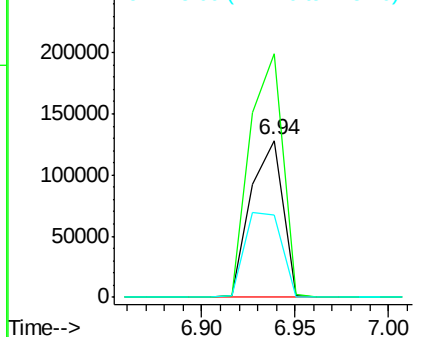
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 407
 Delta R.T. -0.05 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:152 Resp: 153403
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 52.6 46.6 70.0

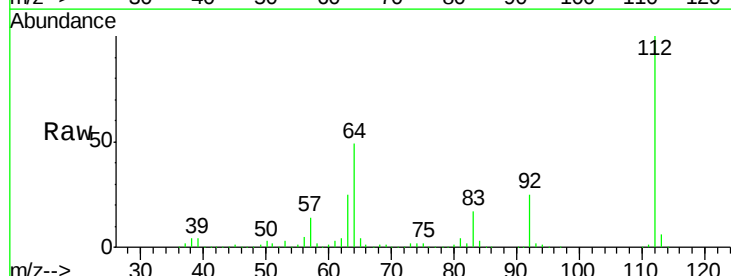


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

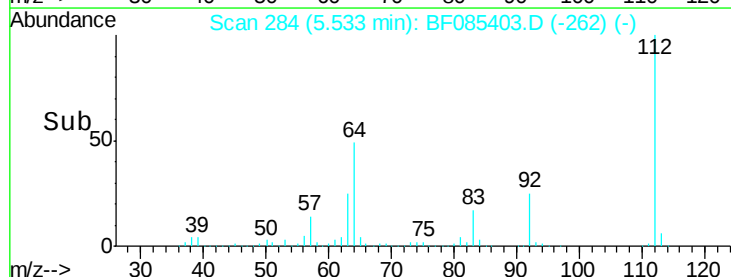
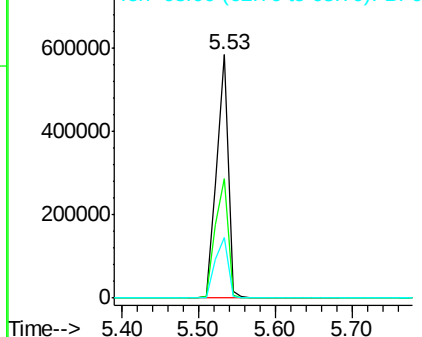


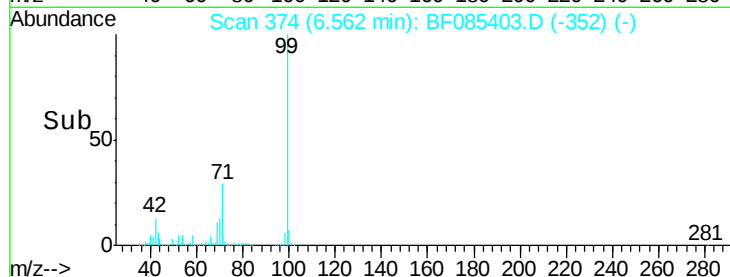
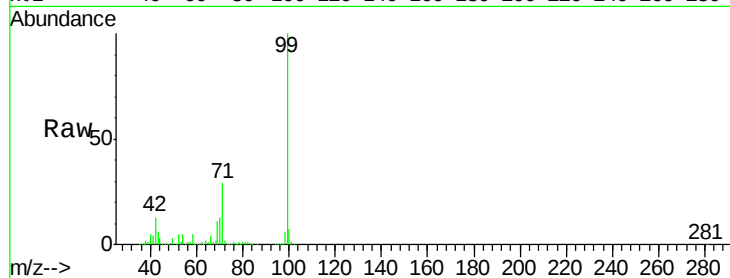
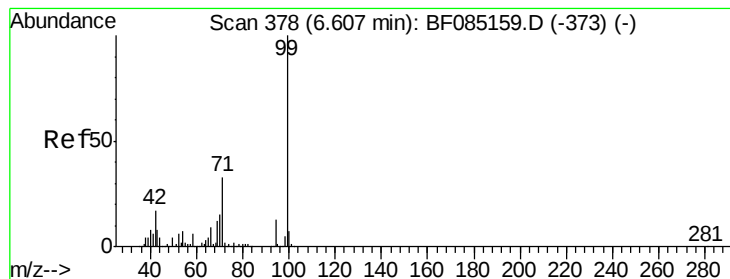
#5
 2-Fluorophenol
 Concen: 66.06 ng
 RT: 5.53 min Scan# 284
 Delta R.T. -0.05 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Tgt Ion:112 Resp: 604150
 Ion Ratio Lower Upper
 112 100
 64 49.1 49.0 73.4
 63 24.7 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: 67.27 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

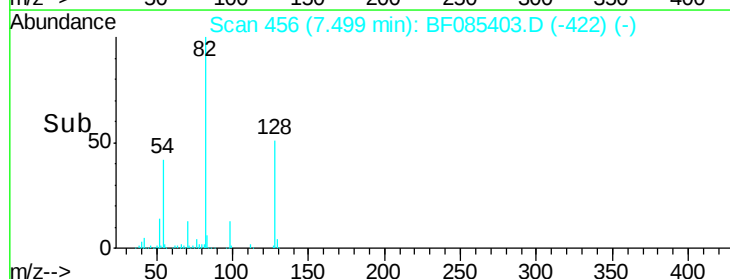
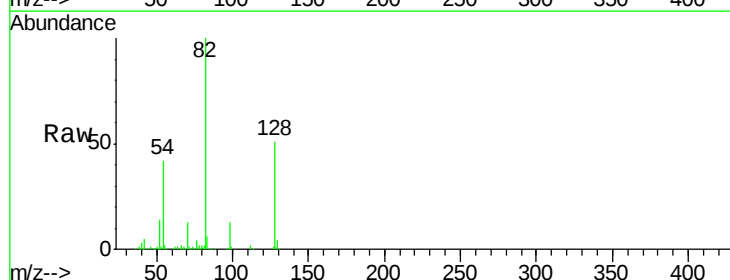
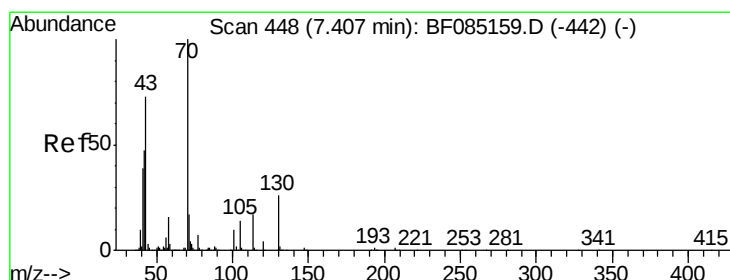
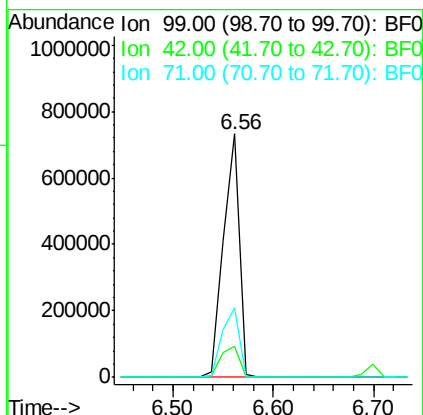
Tgt Ion: 99 Resp: 805990

Ion Ratio Lower Upper

99 100

42 12.6 13.6 20.4#

71 28.7 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 7.86 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Tgt Ion: 70 Resp: 61399

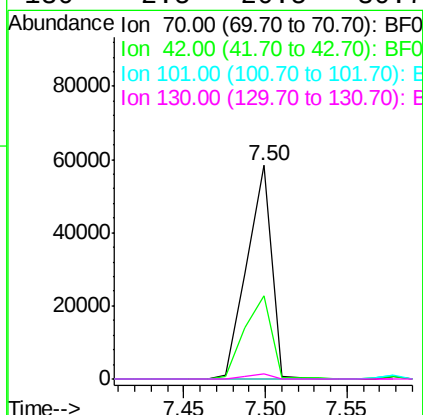
Ion Ratio Lower Upper

70 100

42 39.2 37.7 56.5

101 0.0 8.2 12.4#

130 2.5 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion: 136 Resp: 593203

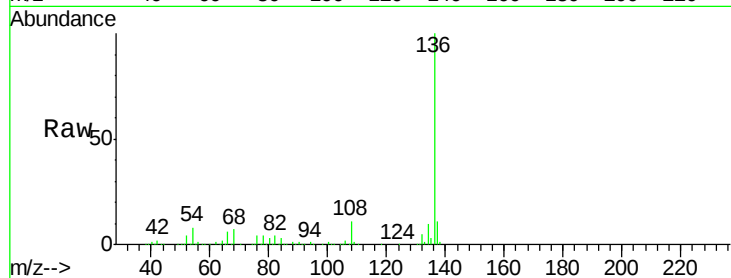
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 8.1 7.4 11.2

68 6.5 6.0 9.0

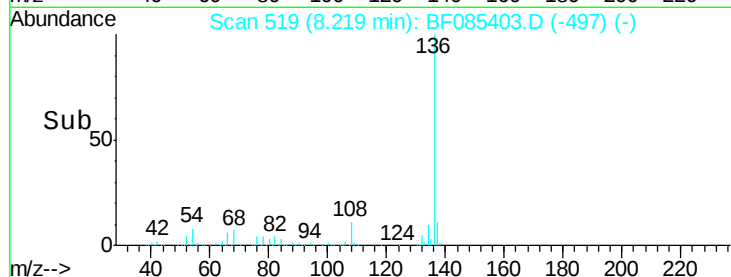


Abundance Ion 136.00 (135.70 to 136.70): E

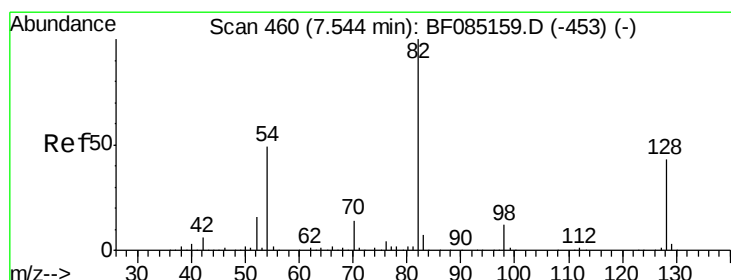
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.10 8.20 8.30 8.40



#23

Nitrobenzene-d5

Concen: 42.58 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

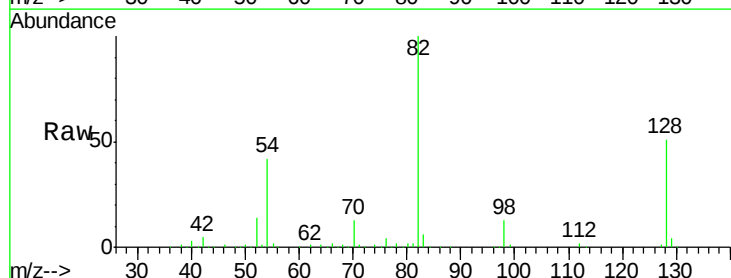
Tgt Ion: 82 Resp: 471964

Ion Ratio Lower Upper

82 100

128 51.0 34.5 51.7

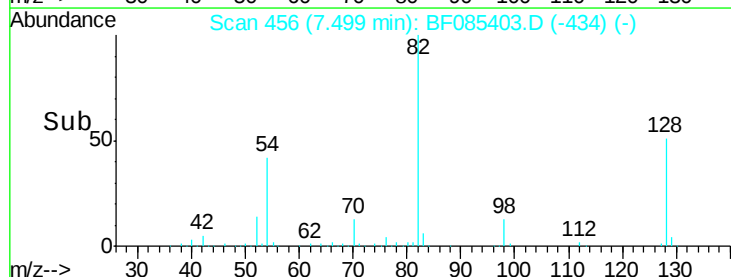
54 42.4 39.3 58.9



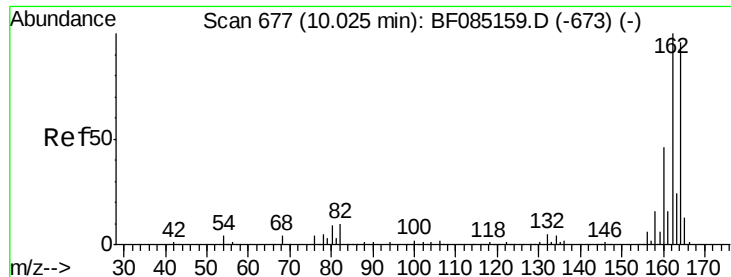
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.40 7.50 7.60 7.70



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

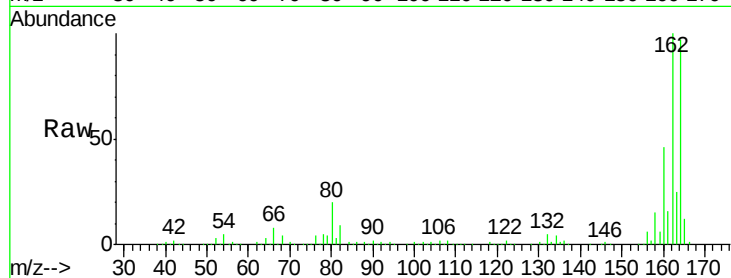
Tgt Ion:164 Resp: 261438

Ion Ratio Lower Upper

164 100

162 103.5 83.3 124.9

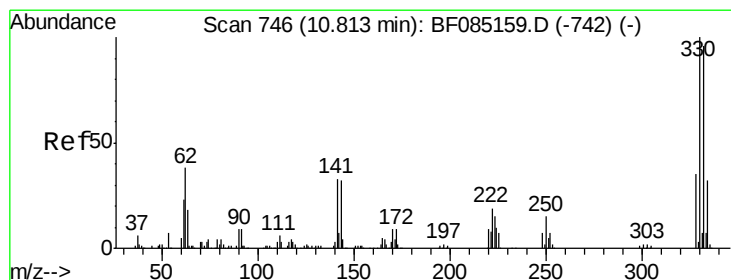
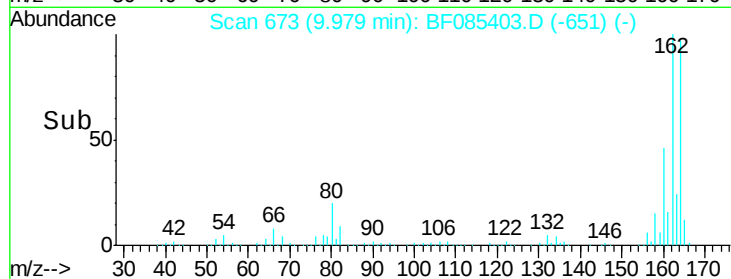
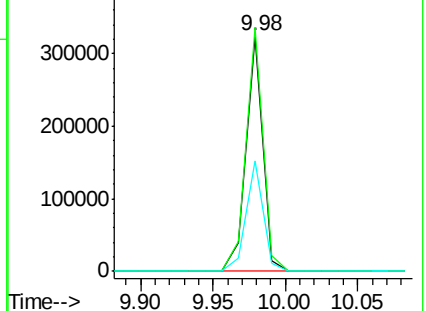
160 47.2 37.9 56.9



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: 56.42 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

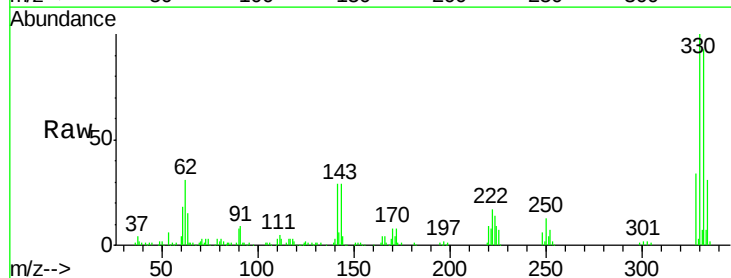
Tgt Ion:330 Resp: 126210

Ion Ratio Lower Upper

330 100

332 93.1 77.1 115.7

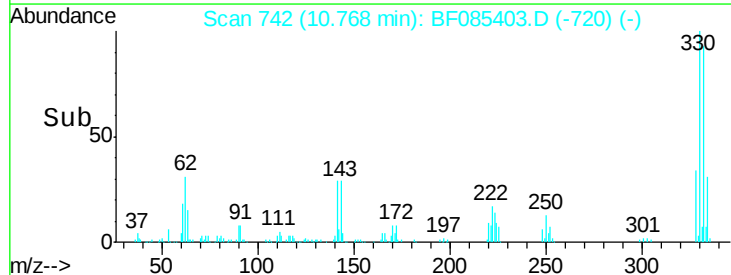
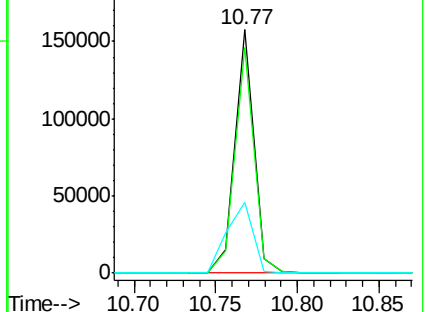
141 40.6 35.0 52.6

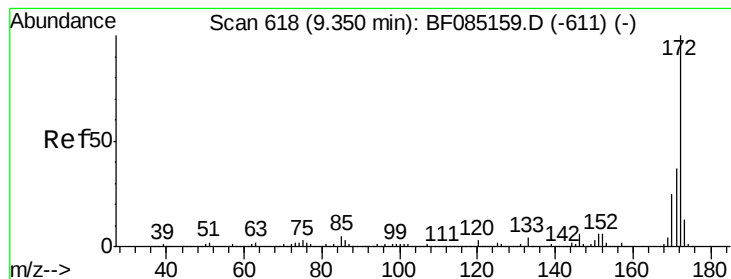


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

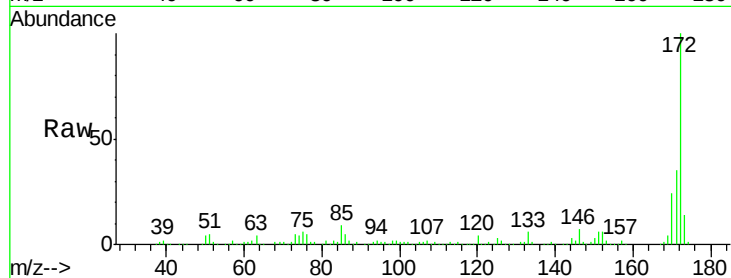




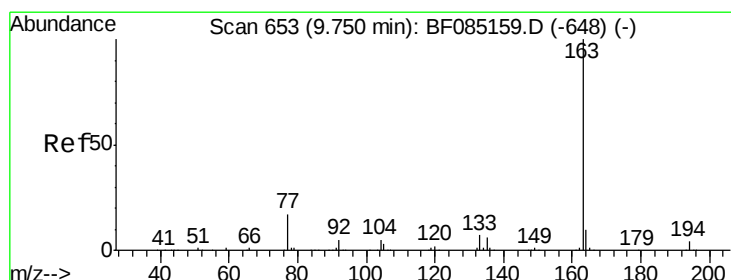
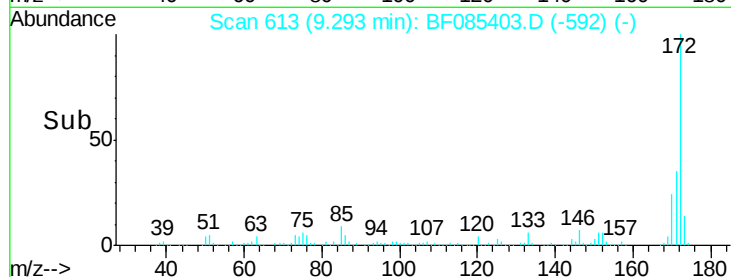
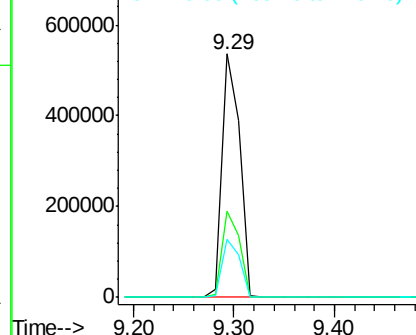
#44
 2-Fluorobiphenyl
 Concen: 38.00 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:172 Resp: 653251
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.3 43.9
 170 23.7 20.0 30.0

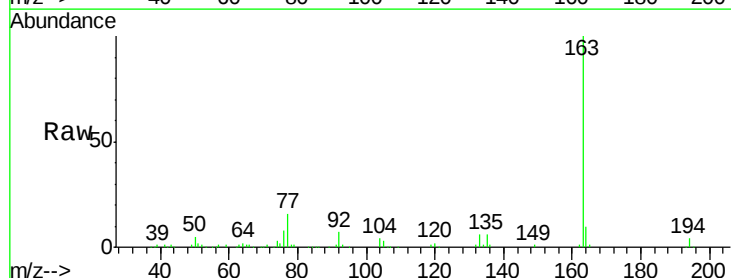


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

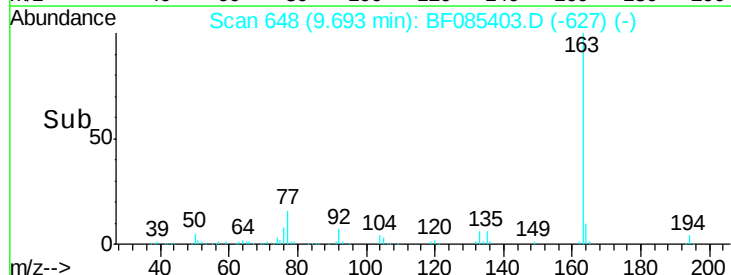
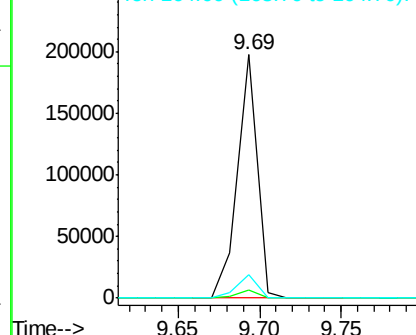


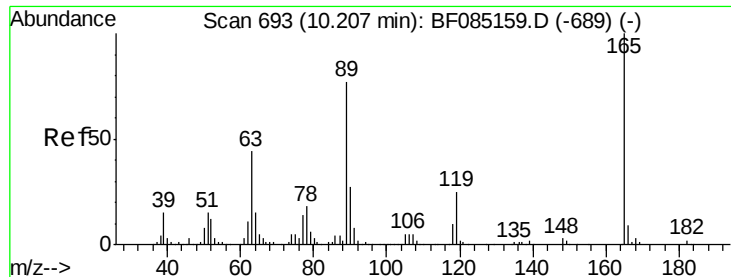
#49
 Dimethylphthalate
 Concen: 8.18 ng
 RT: 9.69 min Scan# 648
 Delta R.T. -0.06 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Tgt Ion:163 Resp: 164204
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.1 4.7
 164 9.6 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

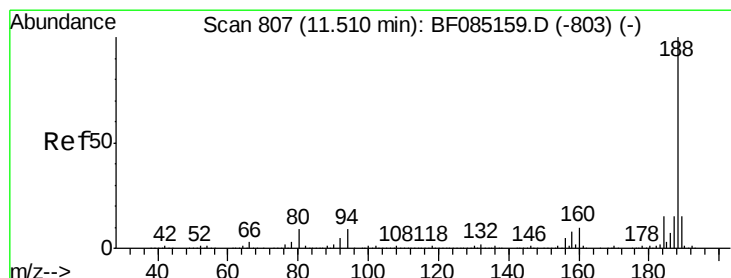
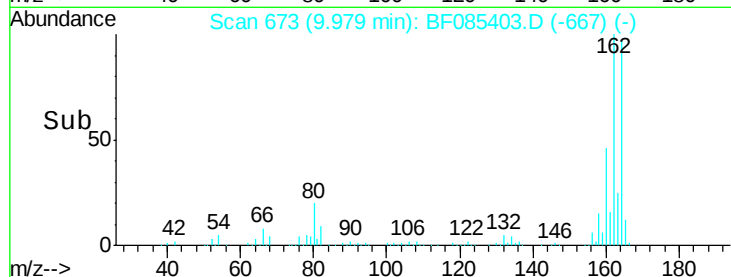
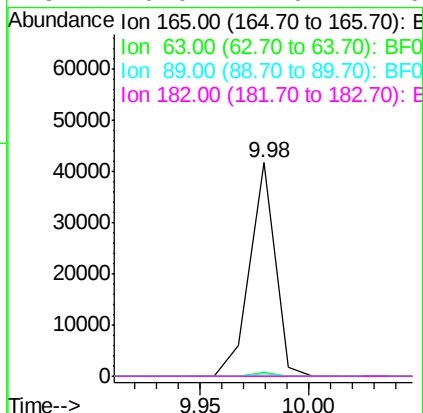
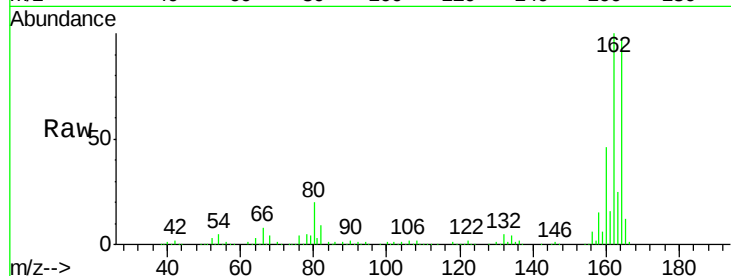




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

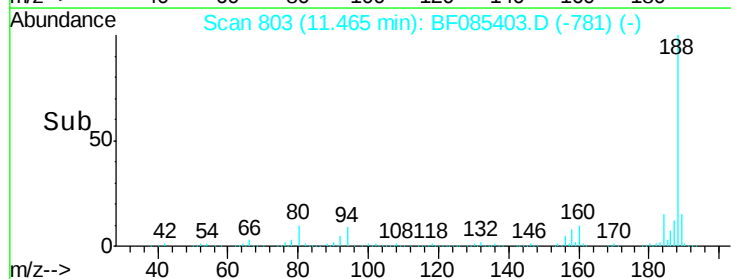
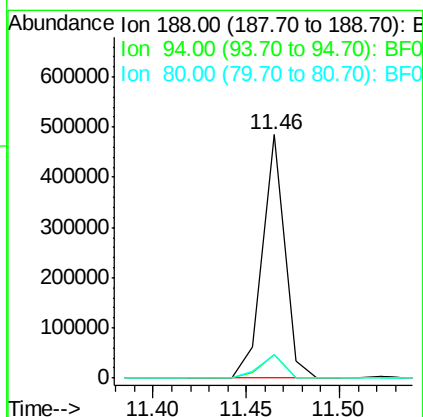
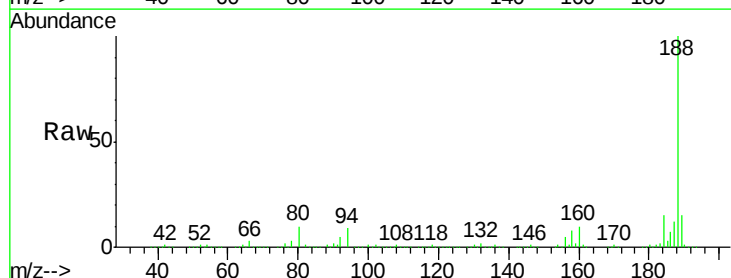
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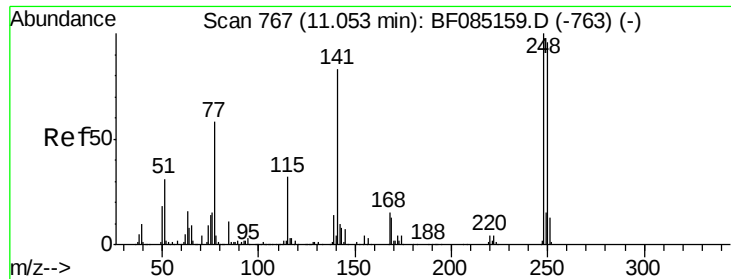
Tgt Ion:	165	Resp:	33890
Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.05 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Tgt Ion:	188	Resp:	400463
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.6
80	9.8	7.4	11.0

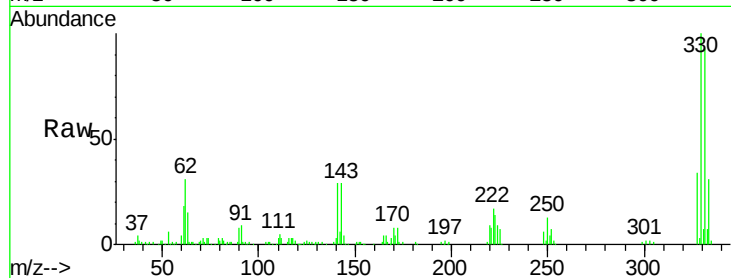




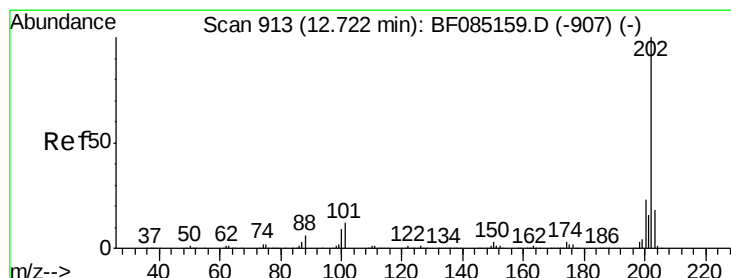
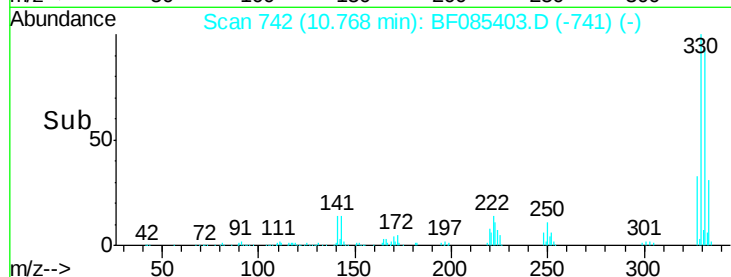
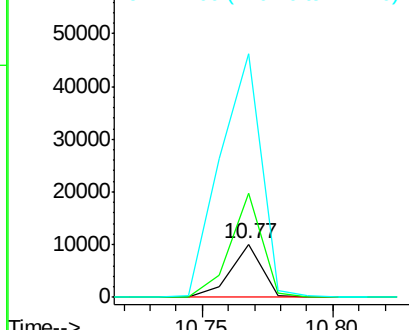
#66
4-Bromophenyl-phenylether
Concen: 2.21 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085403.D
Acq: 12 Mar 2016 7:07

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:248 Resp: 8585
Ion Ratio Lower Upper
248 100
250 196.4 77.1 115.7#
141 458.0 66.2 99.2#

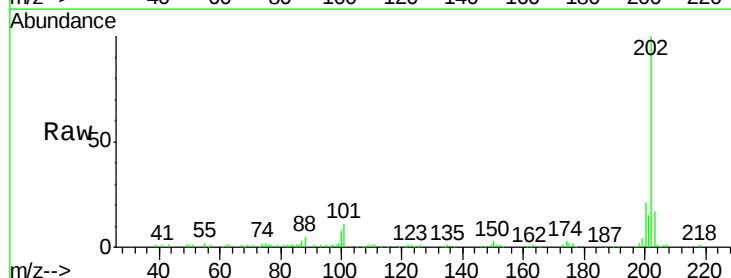


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

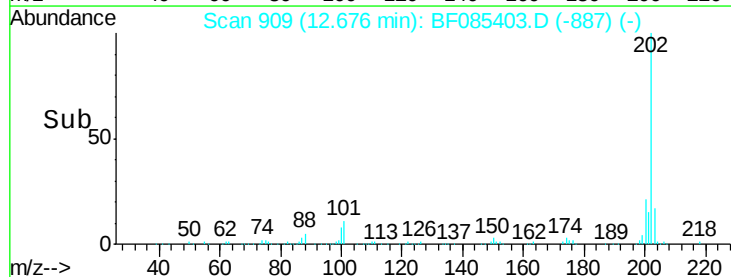
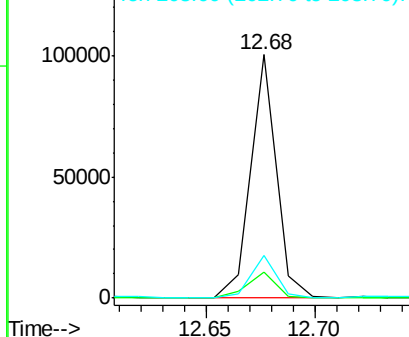


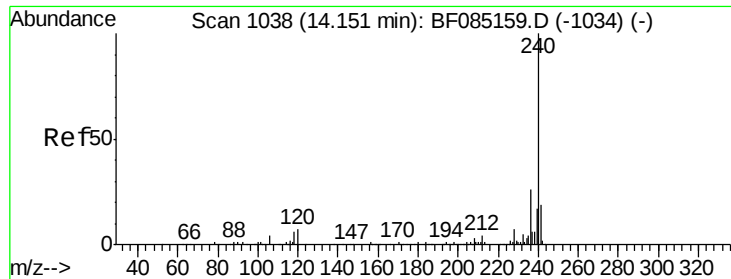
#74
Fluoranthene
Concen: 3.92 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085403.D
Acq: 12 Mar 2016 7:07

Tgt Ion:202 Resp: 82557
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.8
203 17.4 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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

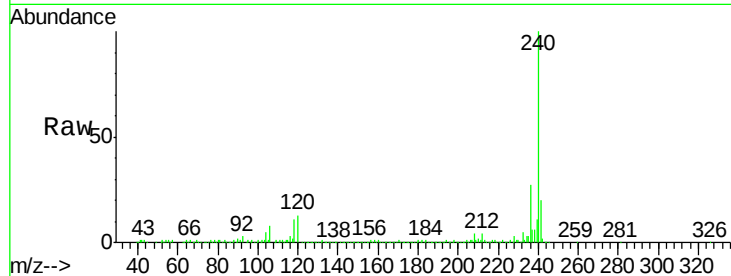
Tgt Ion:240 Resp: 295956

Ion Ratio Lower Upper

240 100

120 12.9 5.3 7.9#

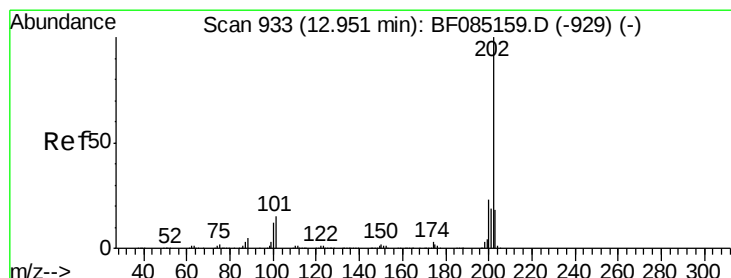
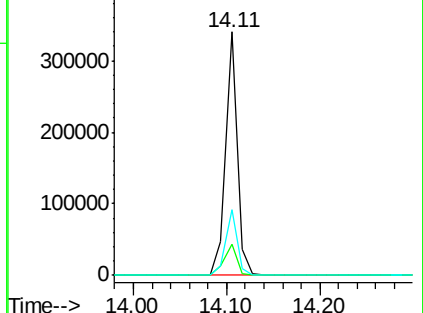
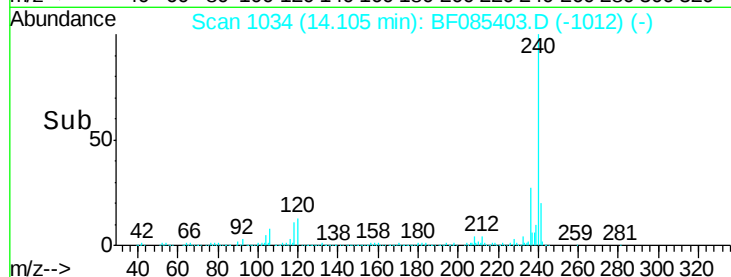
236 26.9 20.7 31.1



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: 3.45 ng

RT: 12.91 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

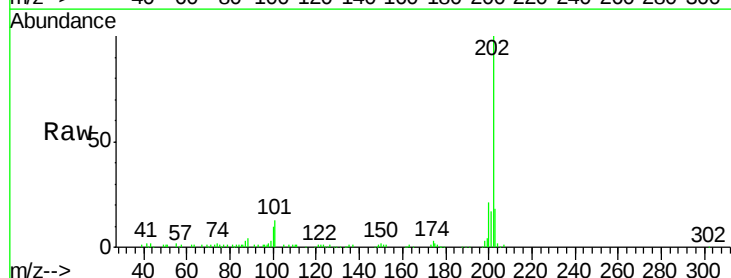
Tgt Ion:202 Resp: 76744

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

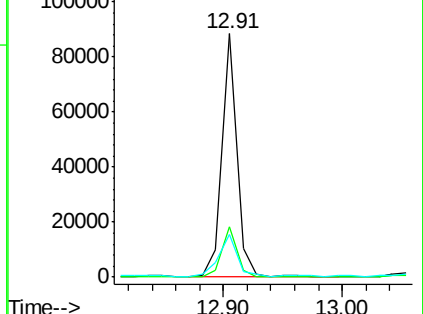
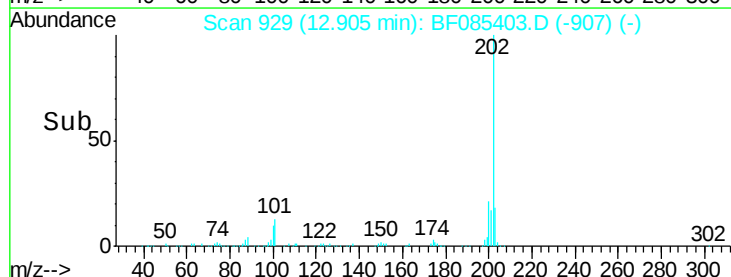
203 17.7 14.7 22.1

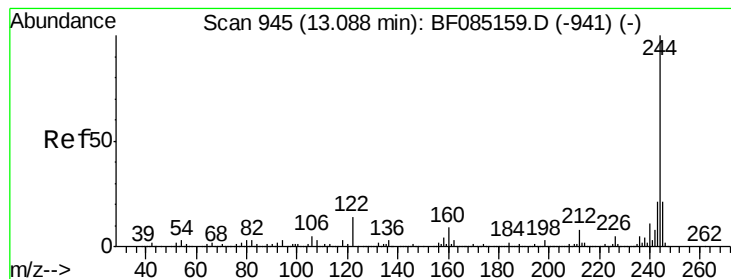


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.99 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

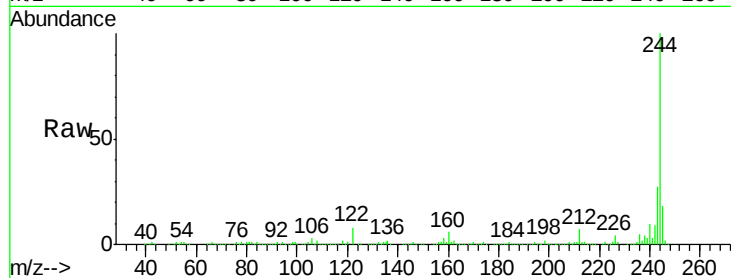
Tgt Ion:244 Resp: 395037

Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

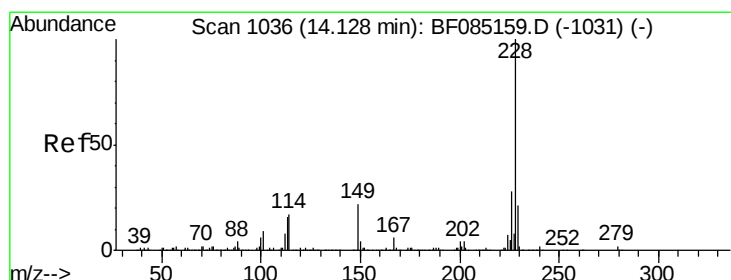
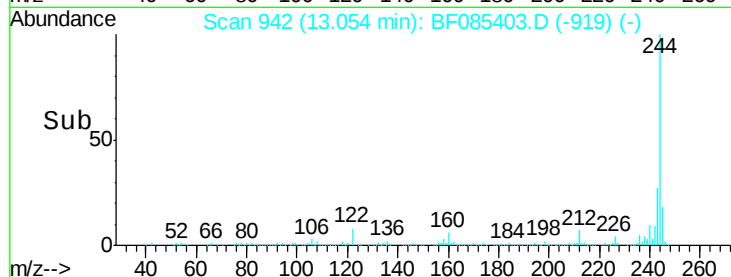
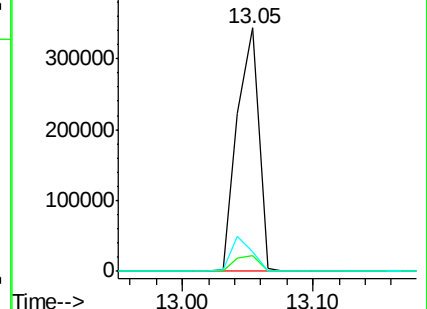
122 8.2 11.4 17.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.77 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085403.D

Acq: 12 Mar 2016 7:07

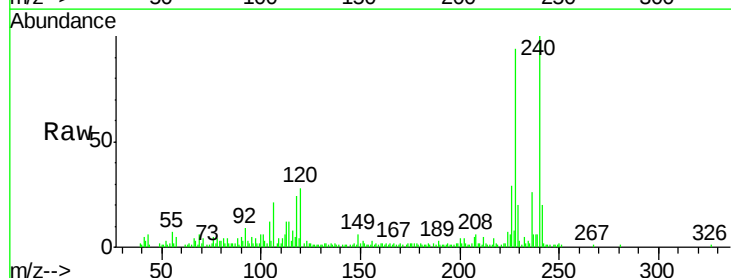
Tgt Ion:228 Resp: 49106

Ion Ratio Lower Upper

228 100

226 31.1 22.8 34.2

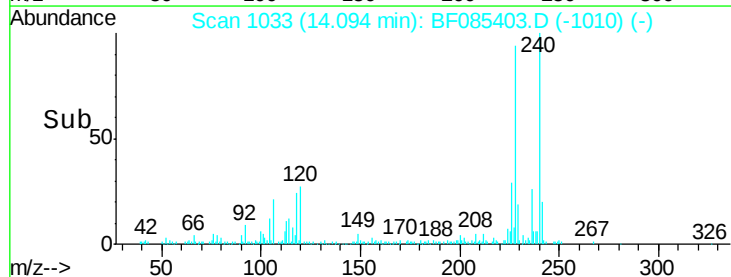
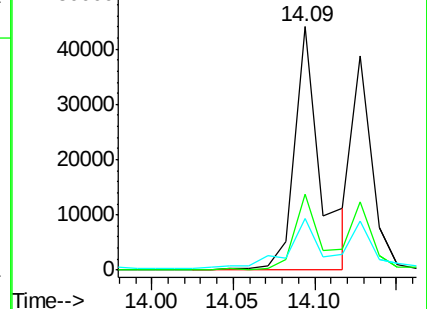
229 21.0 16.6 24.8

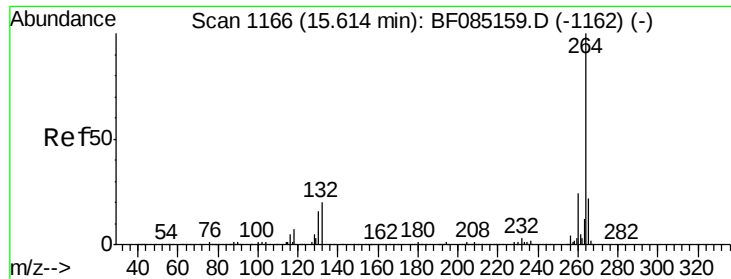


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

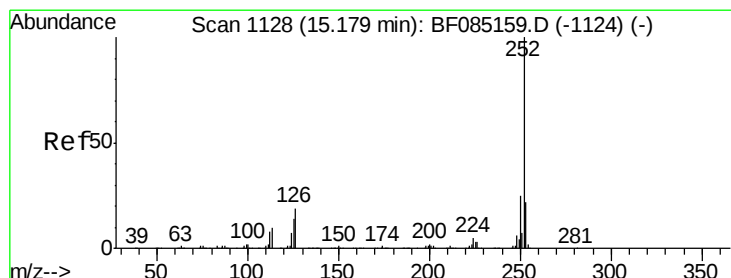
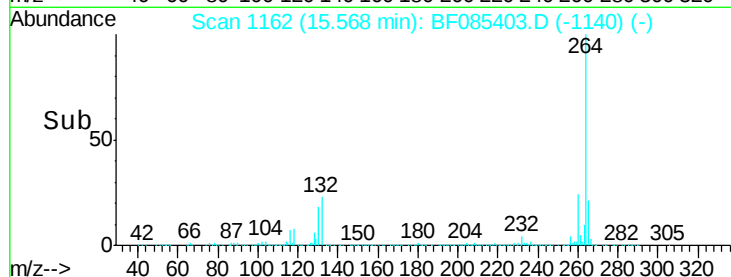
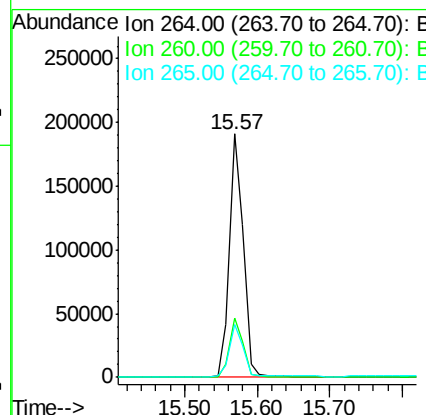
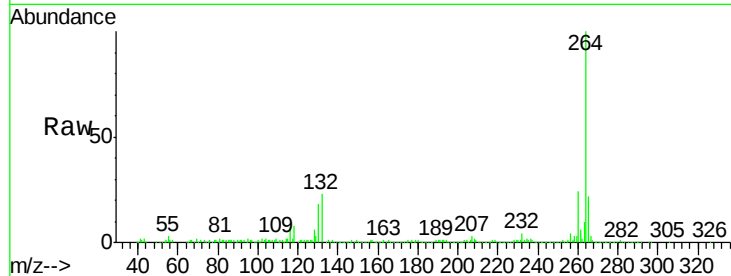




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

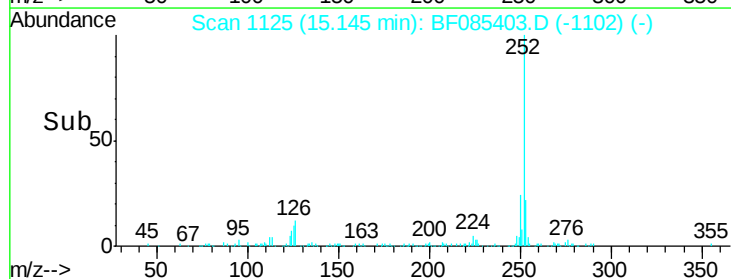
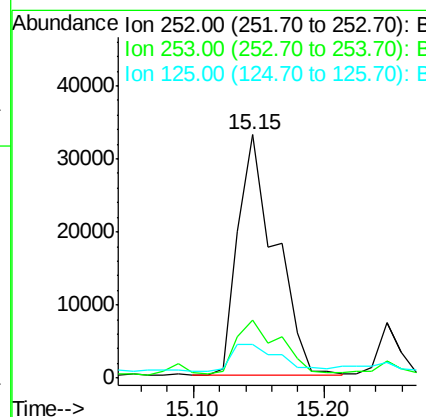
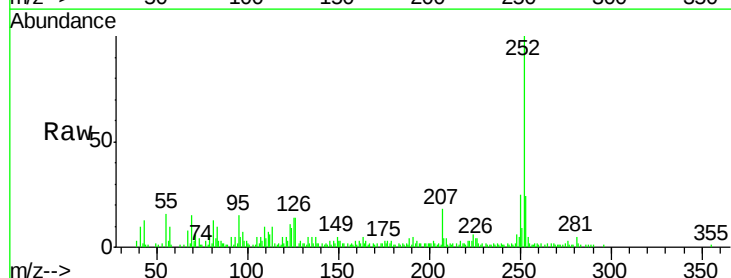
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

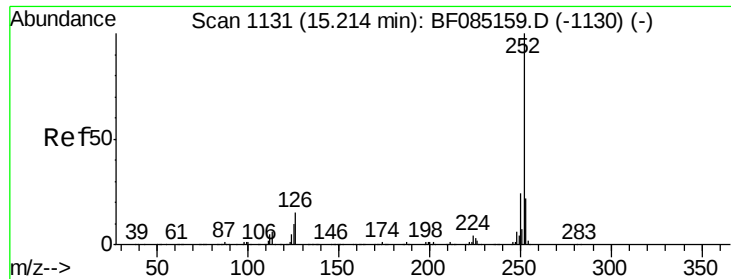
Tgt Ion: 264 Resp: 257614
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.6 17.3 25.9



#87
 Benzo(b)fluoranthene
 Concen: 3.82 ng
 RT: 15.15 min Scan# 1125
 Delta R.T. -0.03 min
 Lab File: BF085403.D
 Acq: 12 Mar 2016 7:07

Tgt Ion: 252 Resp: 65591
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.8 26.6
 125 13.9 11.3 16.9

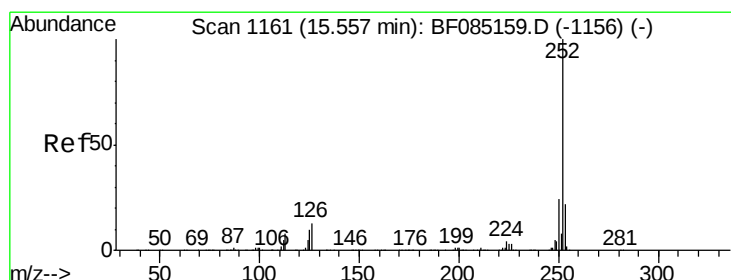
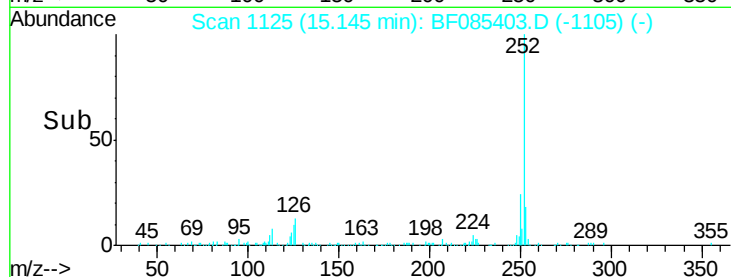
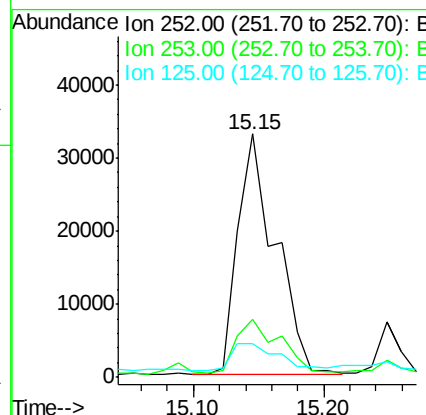
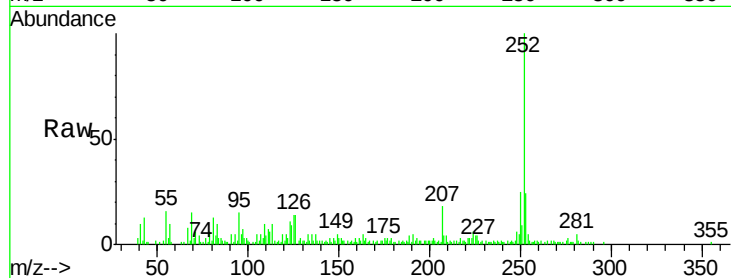




#88
Benzo(k)fluoranthene
Concen: 4.74 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085403.D
Acq: 12 Mar 2016 7:07

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion: 252 Resp: 65591
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 13.9 10.4 15.6



#89
Benzo(a)pyrene
Concen: 2.40 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085403.D
Acq: 12 Mar 2016 7:07

Tgt Ion: 252 Resp: 34125
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 12.6 8.2 12.4#

