

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085876.D
 Acq On : 30 Mar 2016 4:00
 Operator : UM/SJ
 Sample : H1970-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 30 06:03:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

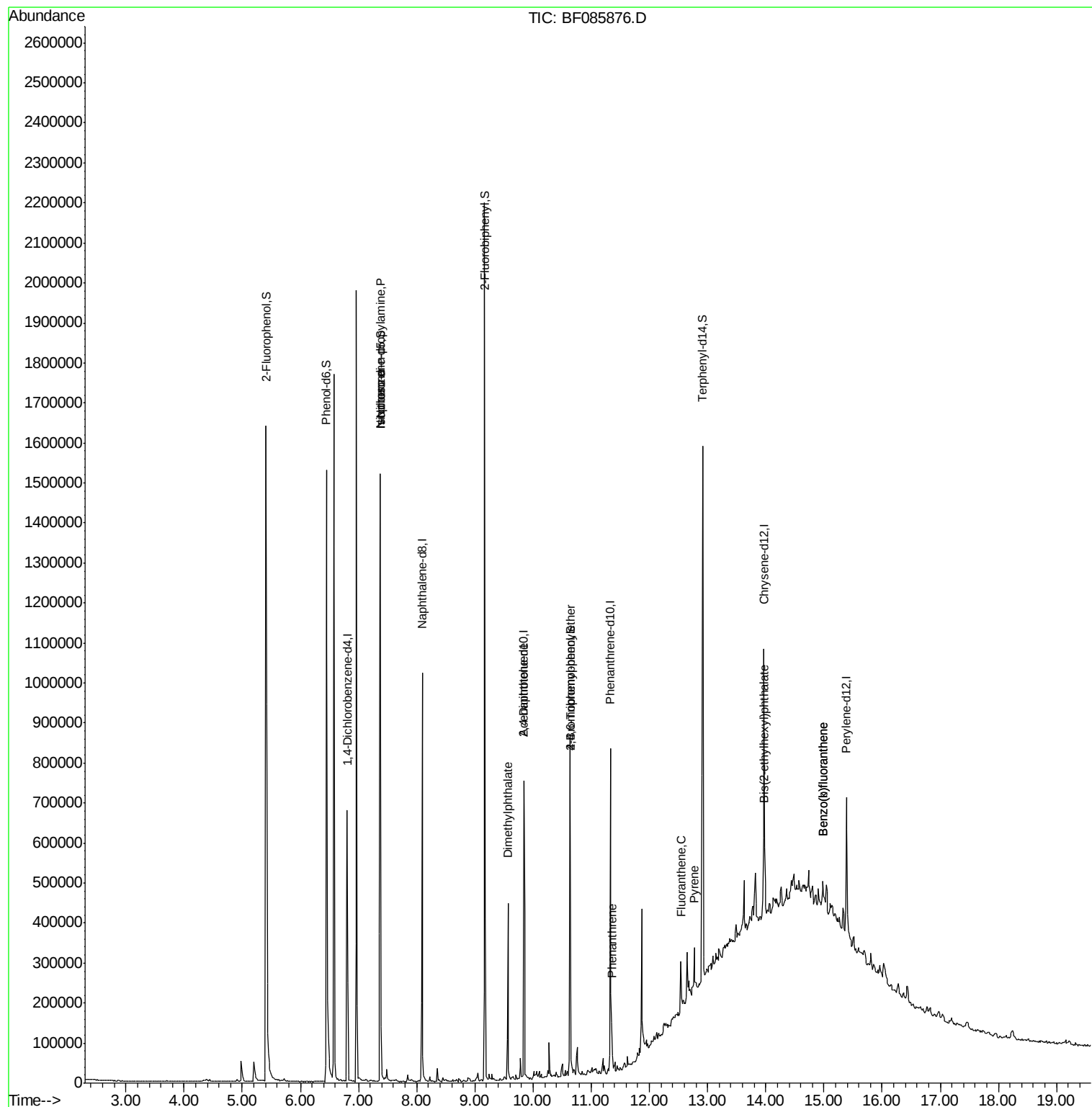
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108694	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	444345	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	172164	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	283251	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	221432	20.00	ng	-0.01
86) Perylene-d12	15.39	264	162659	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	685036	104.96	ng	0.00
7) Phenol-d6	6.45	99	848128	102.21	ng	-0.01
23) Nitrobenzene-d5	7.37	82	512178	64.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	140907	86.14	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	657278	63.79	ng	-0.02
78) Terphenyl-d14	12.92	244	440476	40.91	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	68055	13.70	ng	# 78
25) Isophorone	7.37	82	418248	27.52	ng	# 68
37) 2-Methylnaphthalene	8.90	142	1348	Below Cal		95
49) Dimethylphthalate	9.57	163	174744	13.38	ng	99
56) 2,4-Dinitrotoluene	9.84	165	21756	6.09	ng	# 37
66) 4-Bromophenyl-phenylether	10.64	248	9035	3.12	ng	# 1
70) Phenanthrene	11.35	178	45456	3.13	ng	98
74) Fluoranthene	12.54	202	52354	3.39	ng	95
77) Pyrene	12.77	202	42405	2.33	ng	98
83) Bis(2-ethylhexyl)phthalate	13.98	149	43888	4.81	ng	# 99
87) Benzo(b)fluoranthene	14.99	252	31567	3.08	ng	# 77
88) Benzo(k)fluoranthene	14.99	252	31567	3.42	ng	# 76

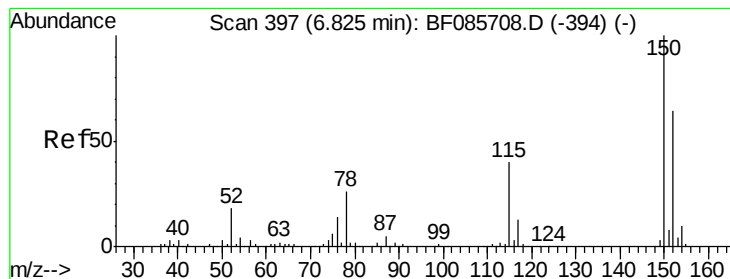
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampleId :

TP-4

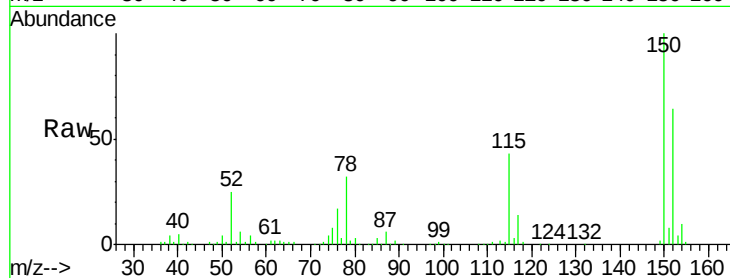
Tgt Ion:152 Resp: 108694

Ion Ratio Lower Upper

152 100

150 156.4 124.2 186.2

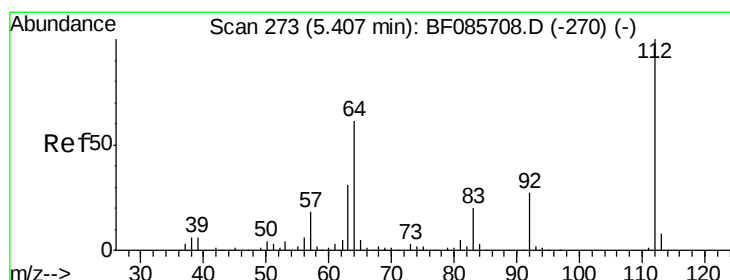
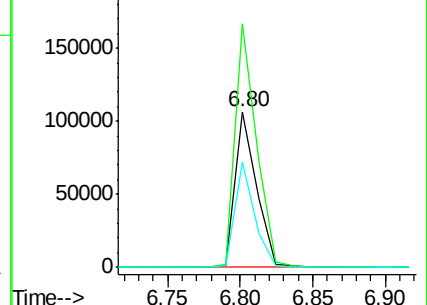
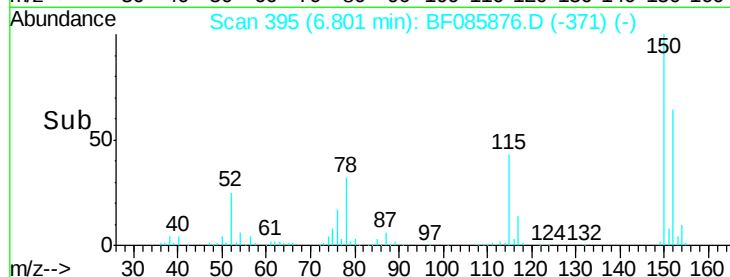
115 67.9 47.0 70.6



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: 104.96 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

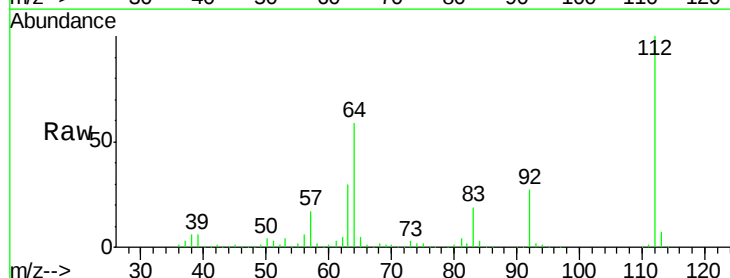
Tgt Ion:112 Resp: 685036

Ion Ratio Lower Upper

112 100

64 59.2 39.9 59.9

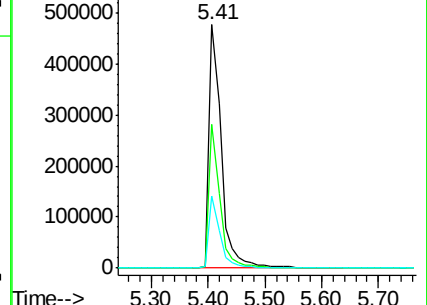
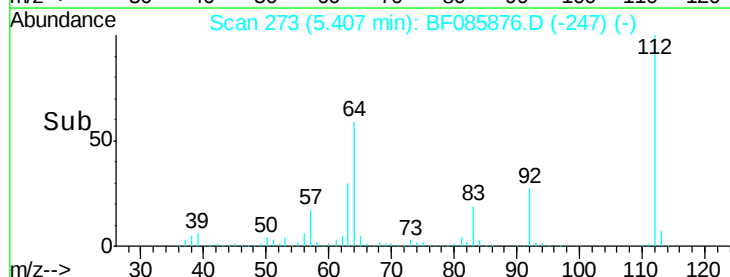
63 29.8 20.2 30.2

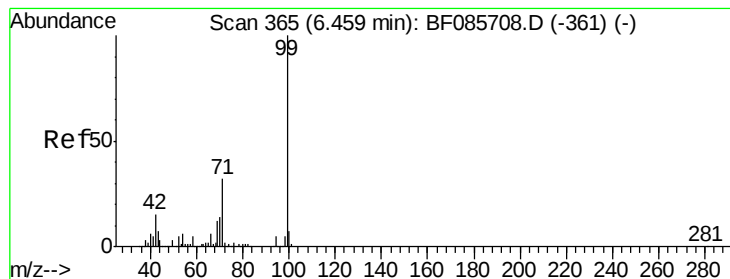


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.21 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampleId :

TP-4

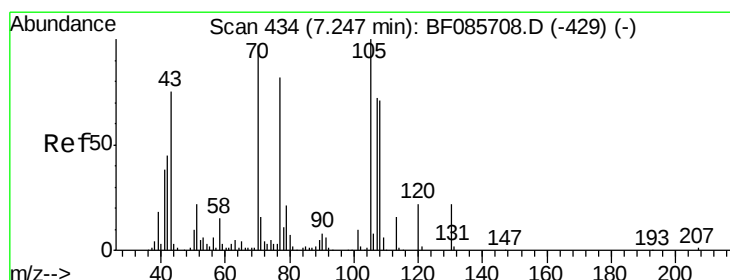
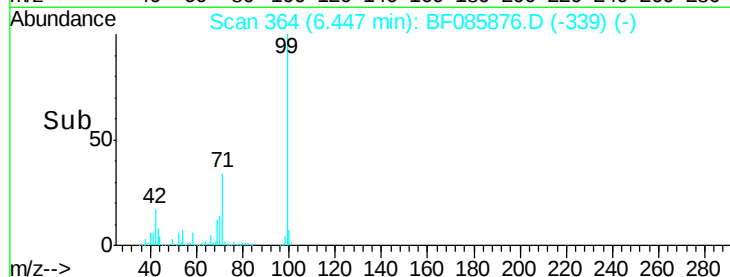
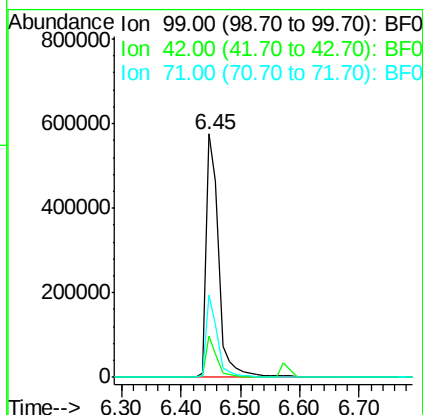
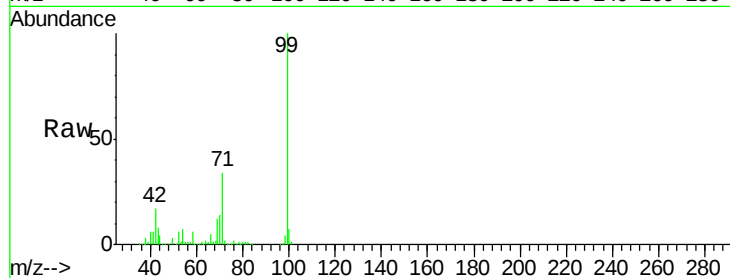
Tgt Ion: 99 Resp: 848128

Ion Ratio Lower Upper

99 100

42 16.8 11.1 16.7#

71 34.0 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.70 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.13 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Tgt Ion: 70 Resp: 68055

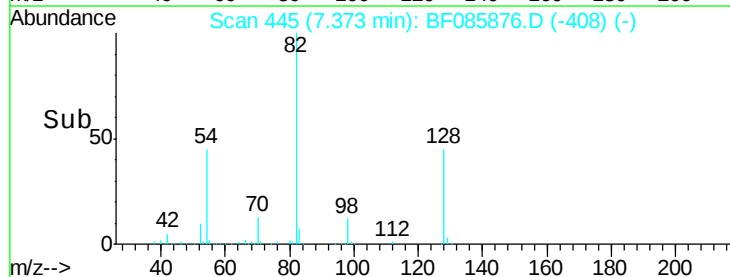
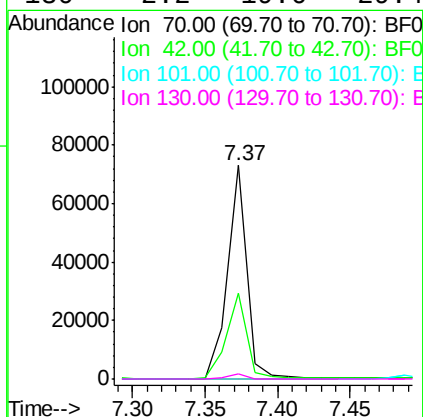
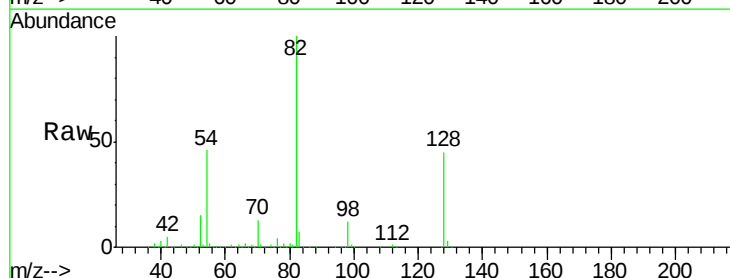
Ion Ratio Lower Upper

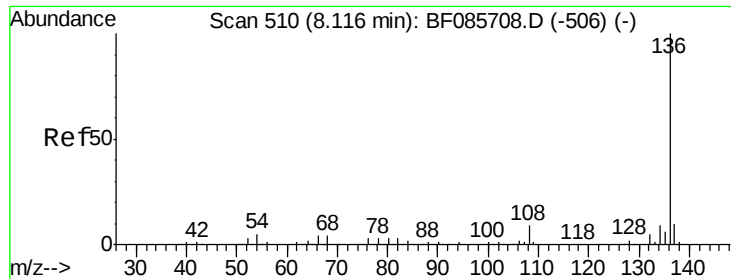
70 100

42 40.4 37.1 55.7

101 0.0 8.6 12.8#

130 2.2 19.6 29.4#

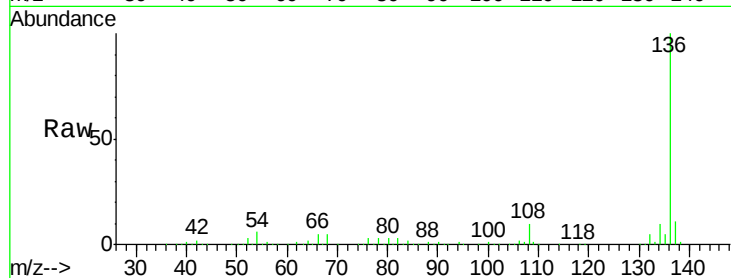




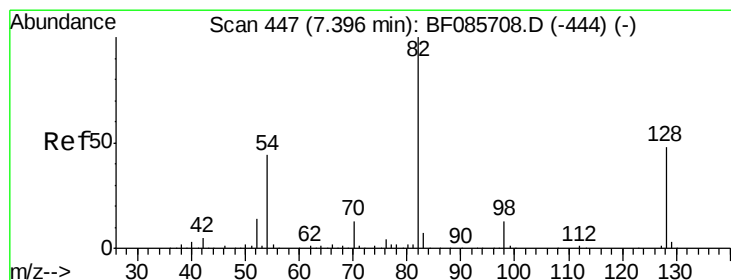
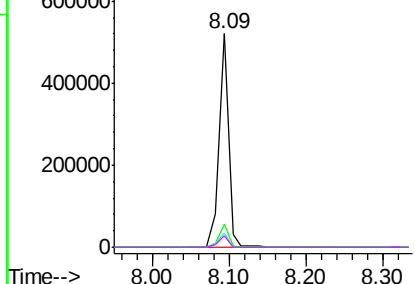
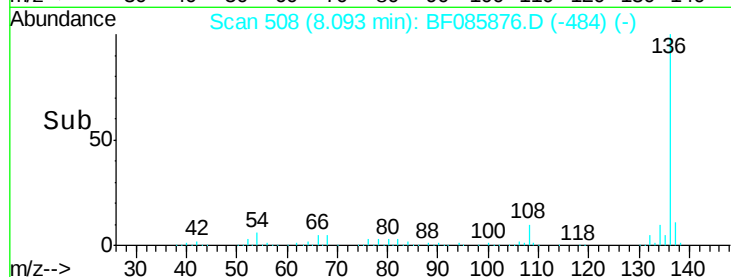
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:	136	Resp:	444345
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	6.3	7.4	11.0#
68	5.2	5.8	8.8#

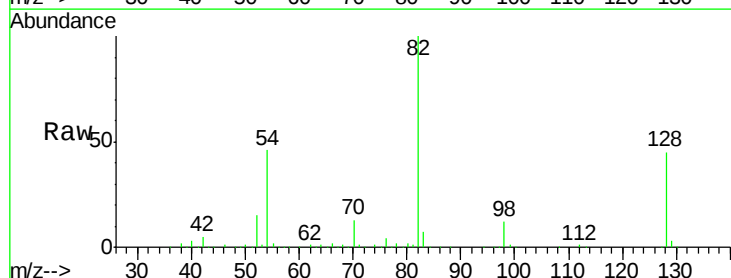


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

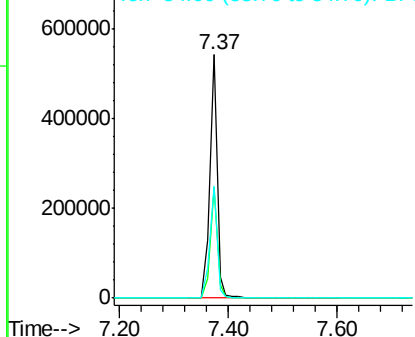
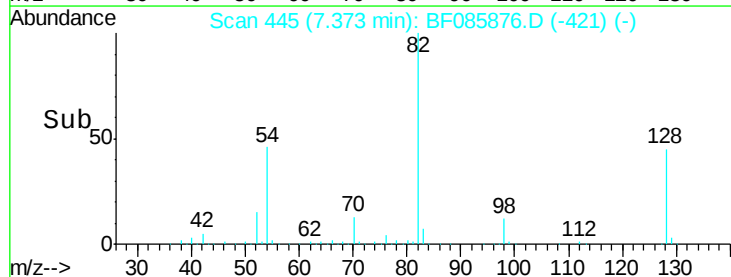


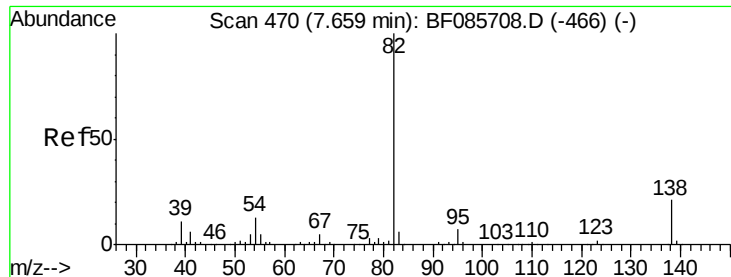
#23
Nitrobenzene-d5
Concen: 64.91 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Tgt Ion:	82	Resp:	512178
Ion Ratio	Lower	Upper	
82	100		
128	45.3	41.8	62.8
54	45.8	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

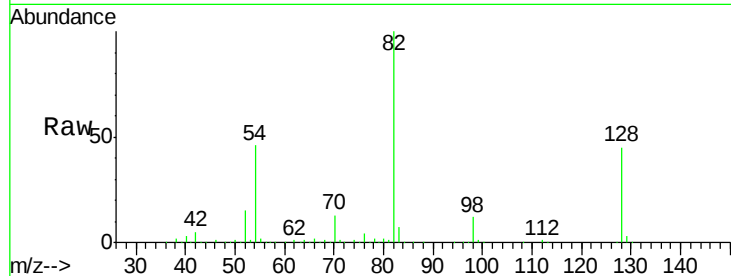




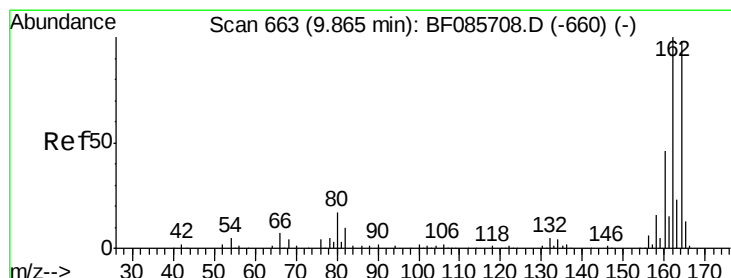
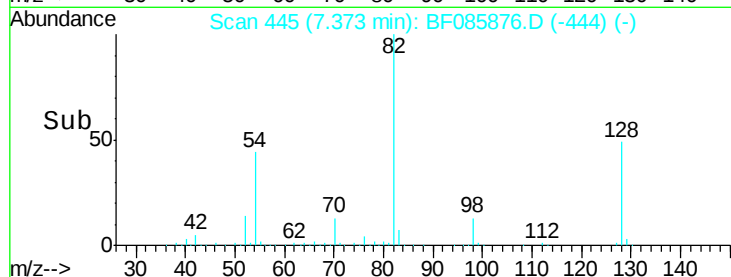
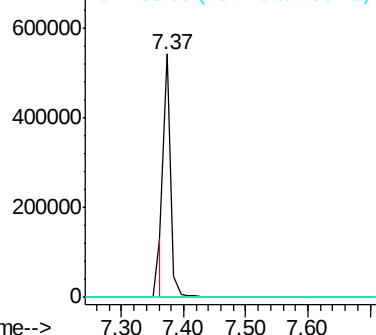
#25
Isophorone
Concen: 27.52 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.29 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 418248
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 12.9 19.3#

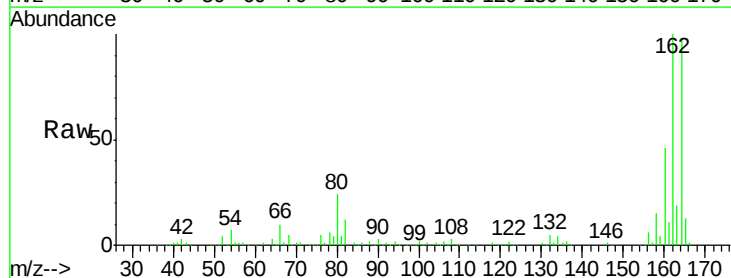


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E

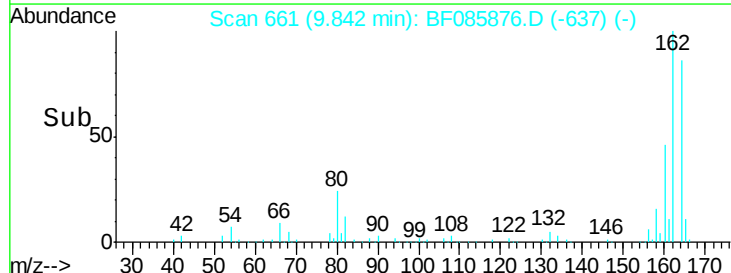
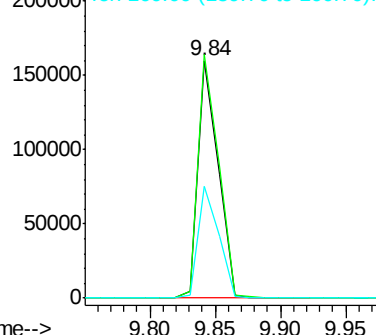


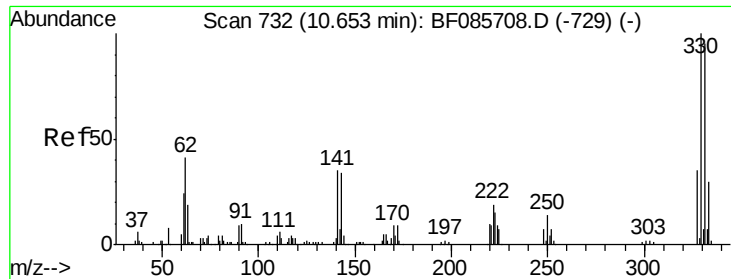
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Tgt Ion: 164 Resp: 172164
Ion Ratio Lower Upper
164 100
162 102.4 82.1 123.1
160 47.1 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

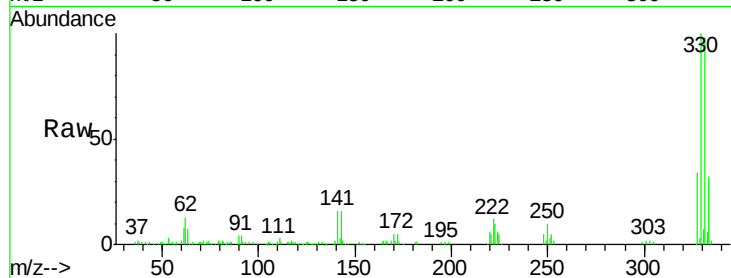




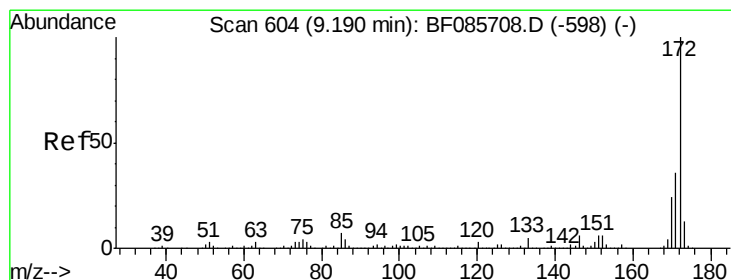
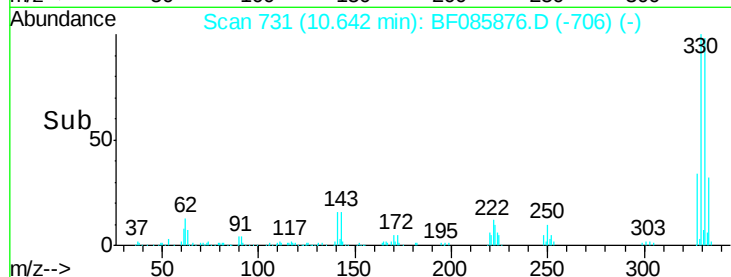
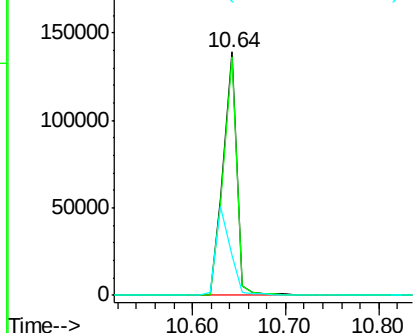
#41
 2,4,6-Tribromophenol
 Concen: 86.14 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085876.D
 Acq: 30 Mar 2016 4:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.2
141	38.8	31.5	47.3

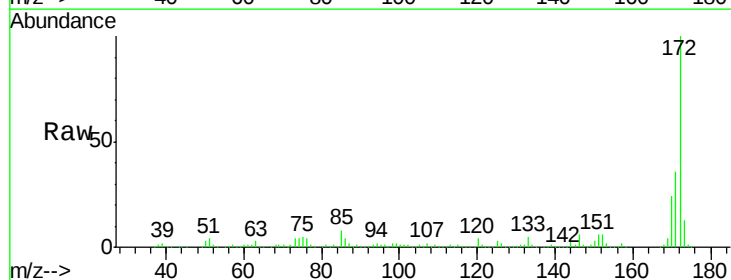


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

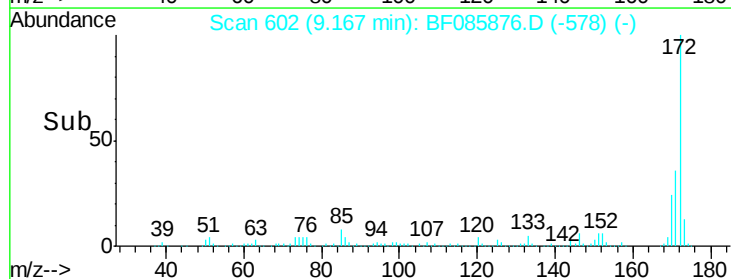
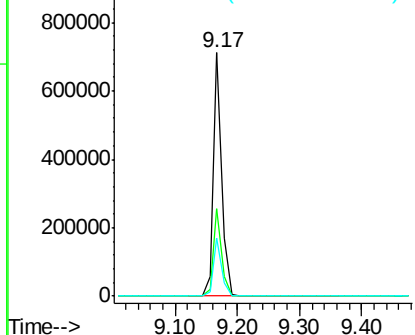


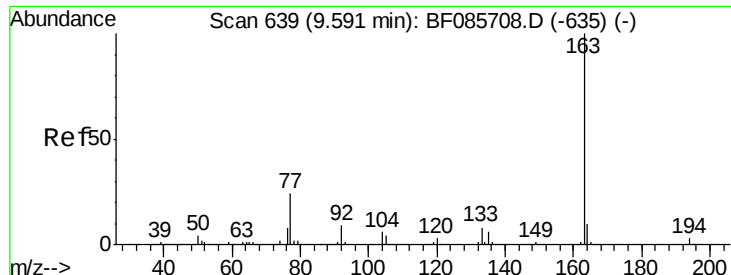
#44
 2-Fluorobiphenyl
 Concen: 63.79 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085876.D
 Acq: 30 Mar 2016 4:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	23.9	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: 13.38 ng

RT: 9.57 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampled :

TP-4

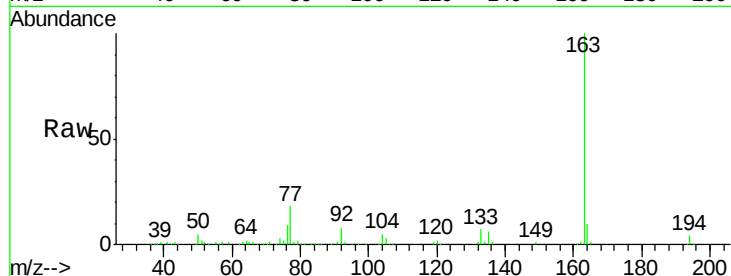
Tgt Ion:163 Resp: 174744

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

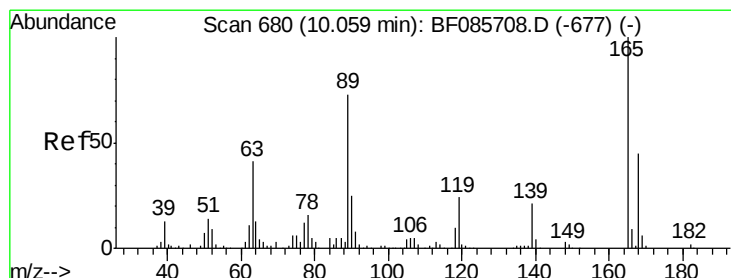
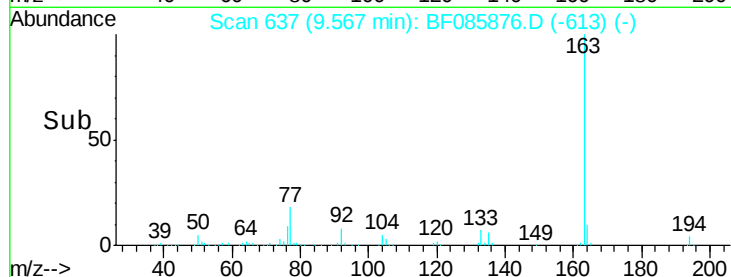
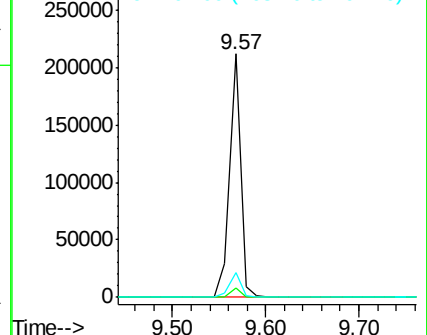
164 10.0 8.3 12.5



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: 6.09 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.22 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Tgt Ion:165 Resp: 21756

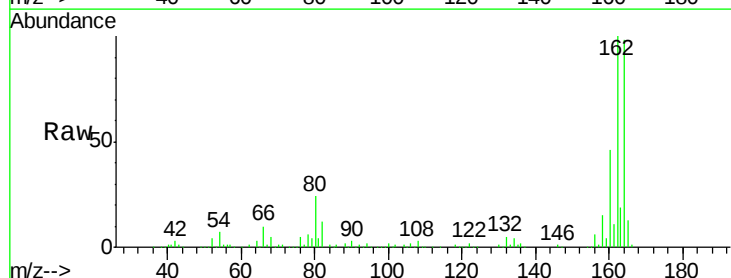
Ion Ratio Lower Upper

165 100

63 0.0 24.9 37.3#

89 2.2 41.0 61.6#

182 0.0 2.1 3.1#

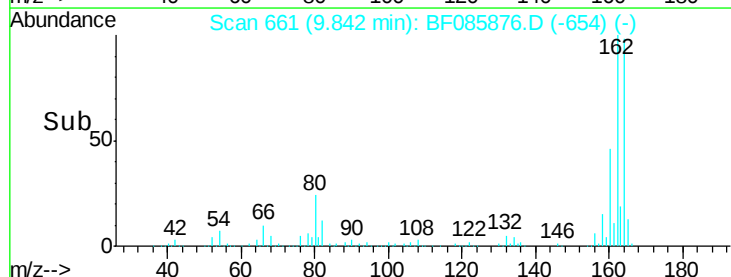
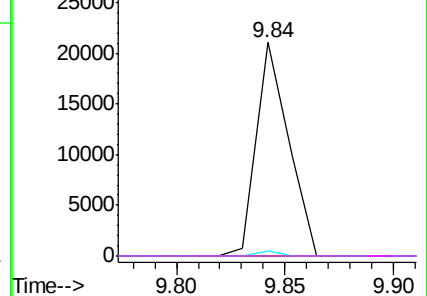


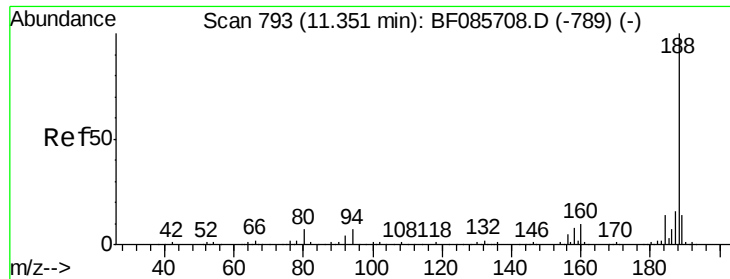
Abundance Ion 165.00 (164.70 to 165.70): E

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

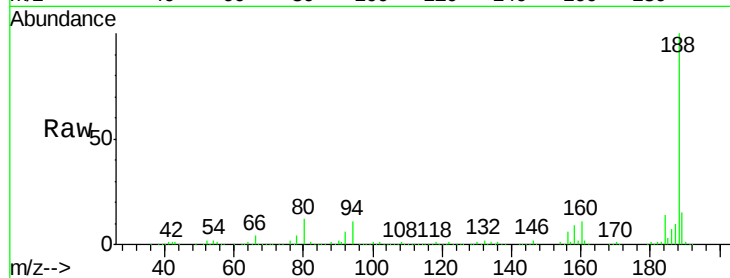




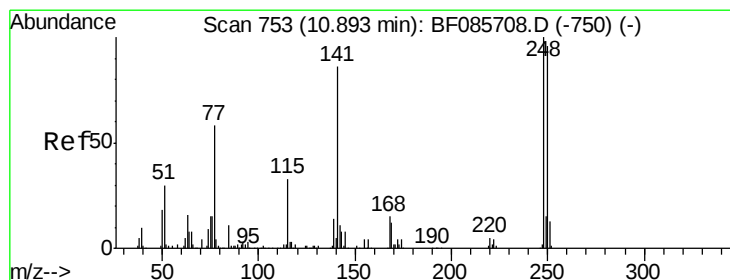
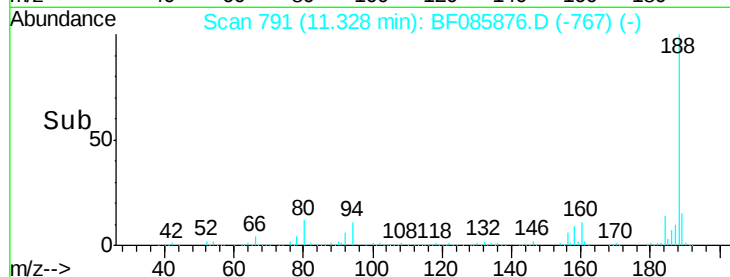
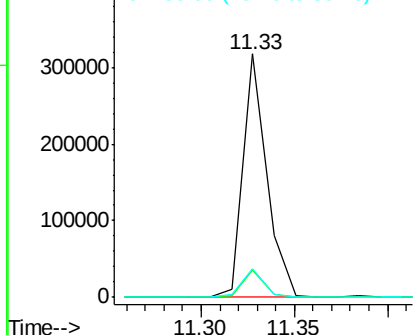
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: BF085876.D
 Acq: 30 Mar 2016 4:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:188 Resp: 283251
 Ion Ratio Lower Upper
 188 100
 94 11.1 5.4 8.0#
 80 11.8 5.5 8.3#

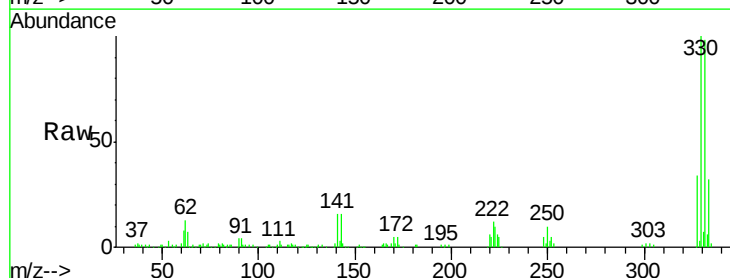


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

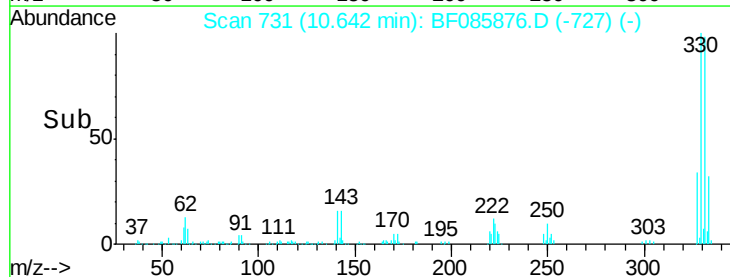
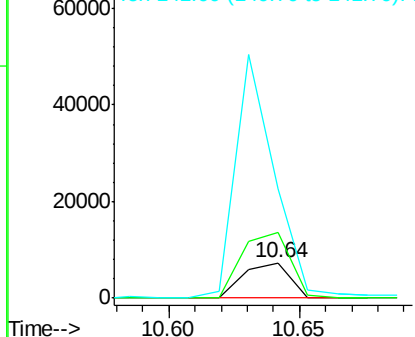


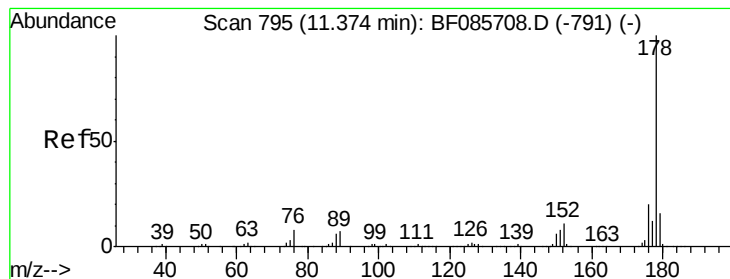
#66
 4-Bromophenyl-phenylether
 Concen: 3.12 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.25 min
 Lab File: BF085876.D
 Acq: 30 Mar 2016 4:00

Tgt Ion:248 Resp: 9035
 Ion Ratio Lower Upper
 248 100
 250 188.0 77.4 116.0#
 141 313.7 63.6 95.4#



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





#70

Phenanthrene

Concen: 3.13 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.02 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampleId :

TP-4

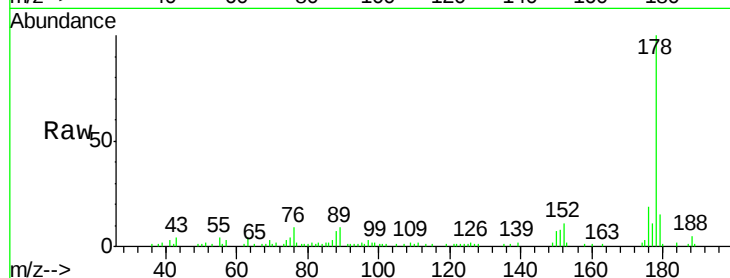
Tgt Ion:178 Resp: 45456

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

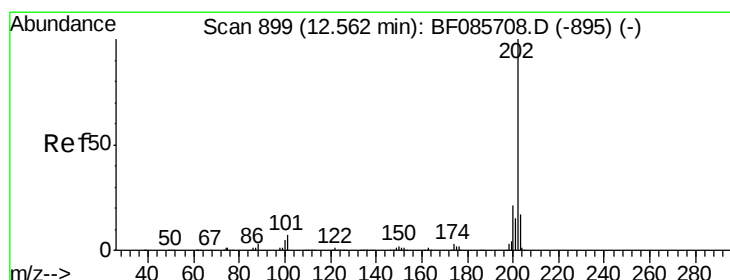
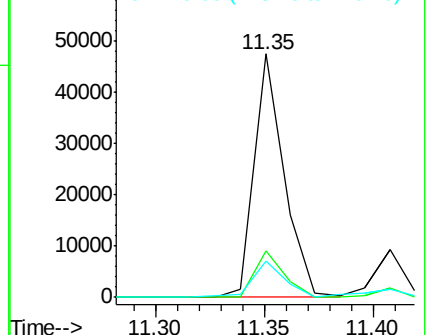
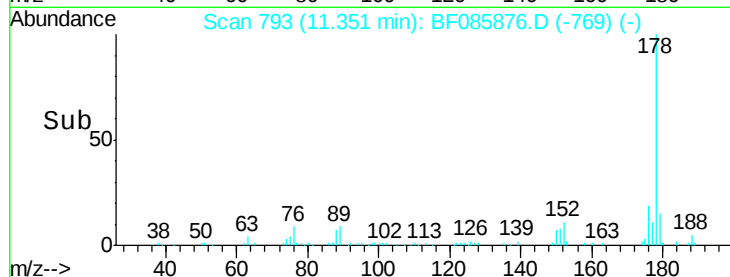
179 15.1 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.39 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

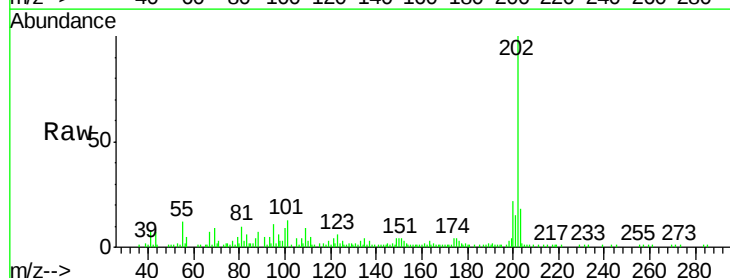
Tgt Ion:202 Resp: 52354

Ion Ratio Lower Upper

202 100

101 12.6 0.0 36.6

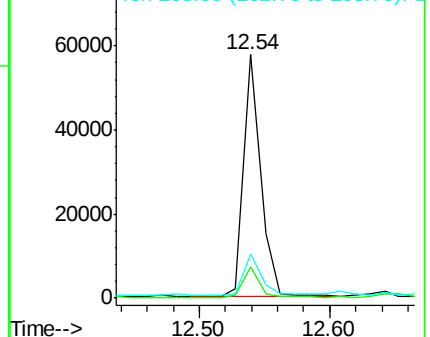
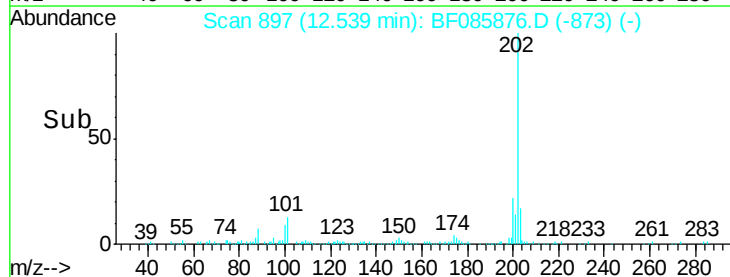
203 17.8 0.0 38.1

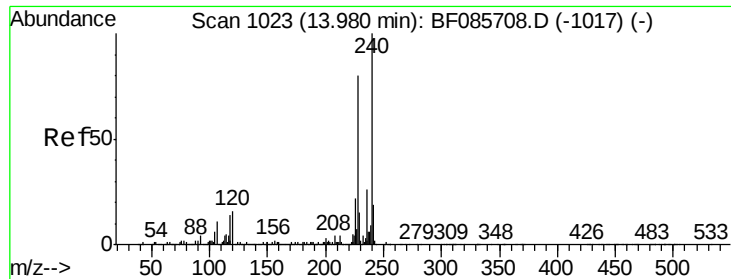


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

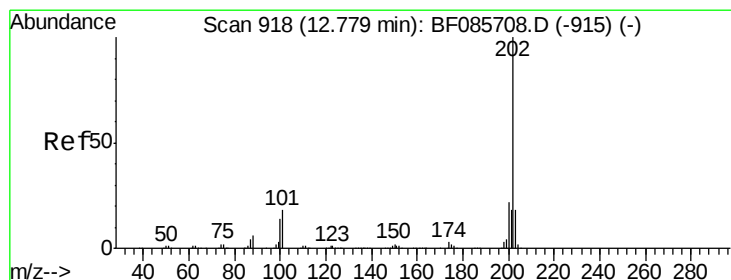
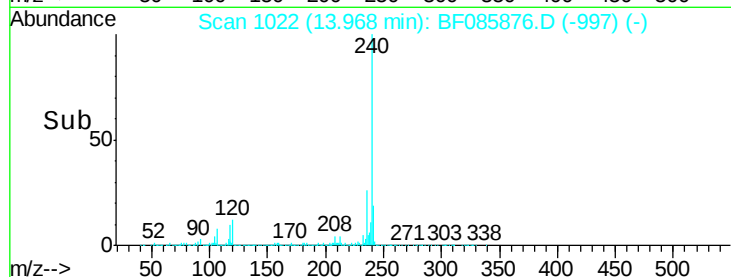
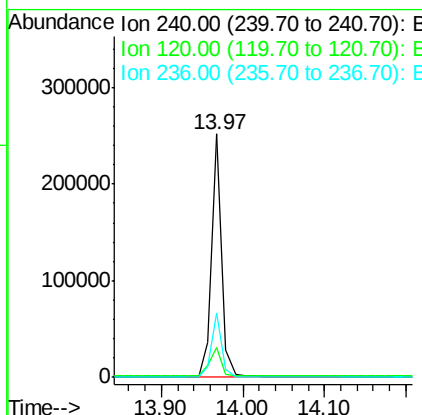
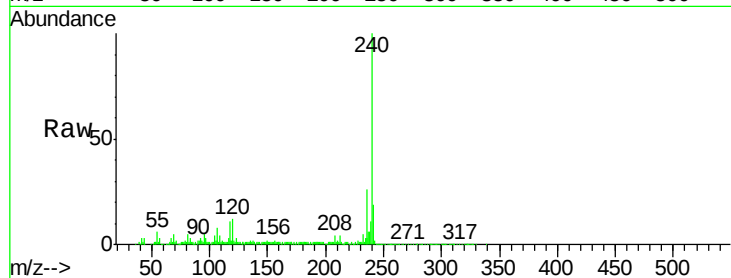




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

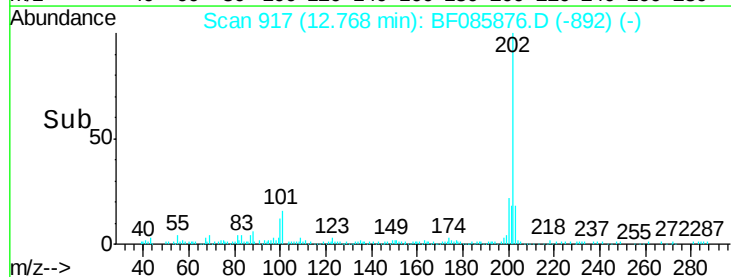
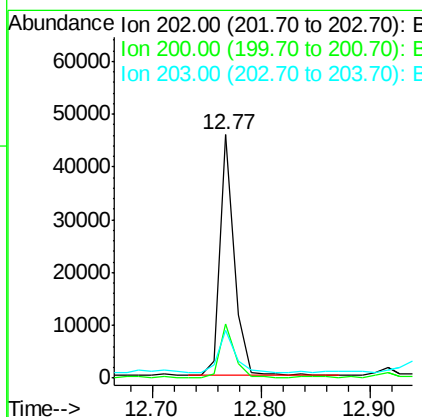
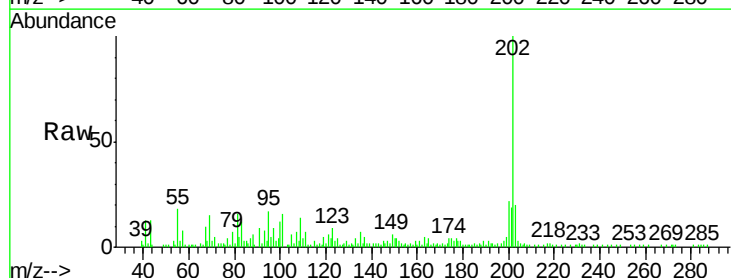
Instrument :
BNA_F
ClientSampleId :
TP-4

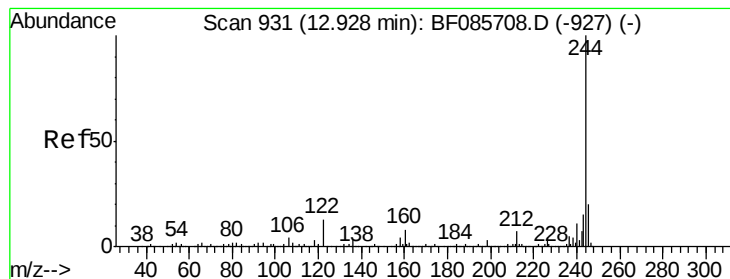
Tgt Ion:240 Resp: 221432
Ion Ratio Lower Upper
240 100
120 12.4 13.8 20.8#
236 26.3 20.6 30.8



#77
Pyrene
Concen: 2.33 ng
RT: 12.77 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Tgt Ion:202 Resp: 42405
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 19.7 14.0 21.0





#78

Terphenyl-d14

Concen: 40.91 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampleId :

TP-4

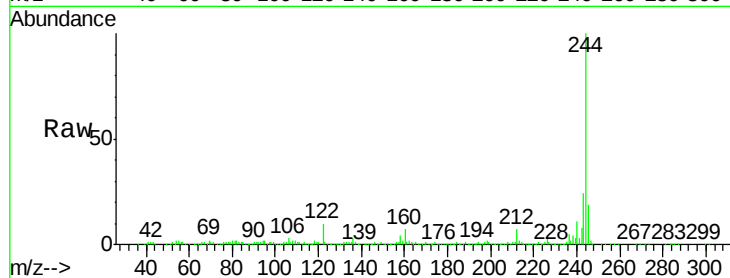
Tgt Ion:244 Resp: 440476

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

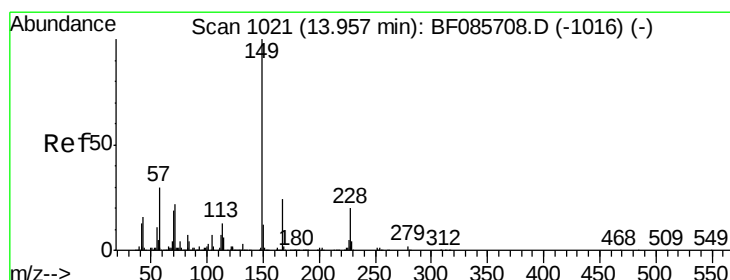
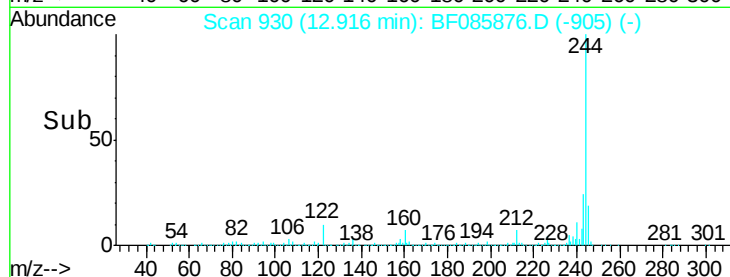
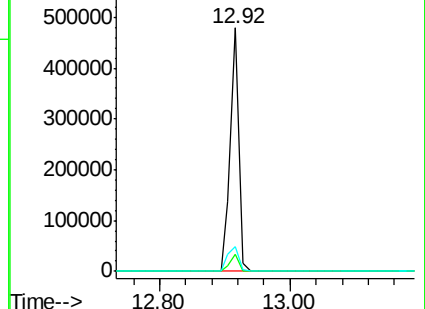
122 9.9 10.2 15.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.81 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.02 min

Lab File: BF085876.D

Acq: 30 Mar 2016 4:00

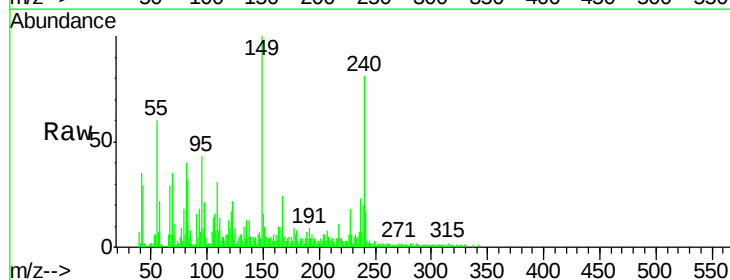
Tgt Ion:149 Resp: 43888

Ion Ratio Lower Upper

149 100

167 24.1 19.4 29.2

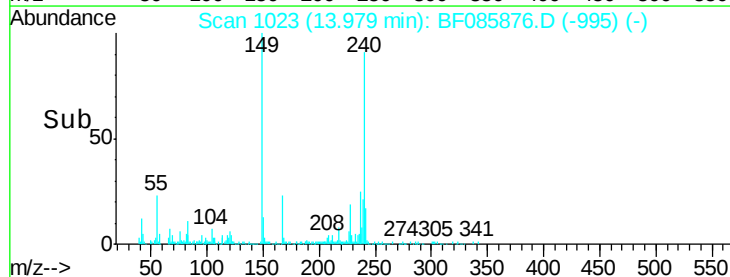
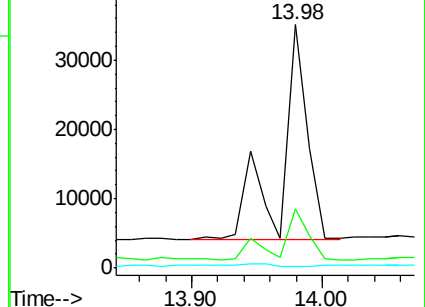
279 0.9 1.5 2.3#

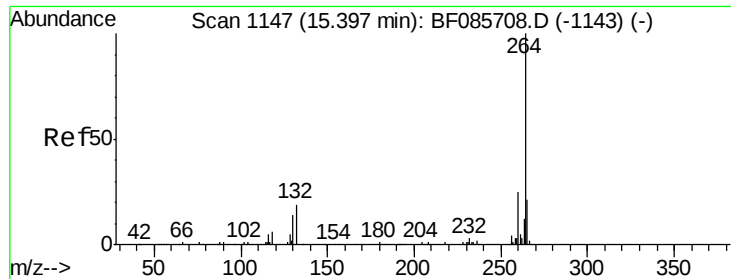


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

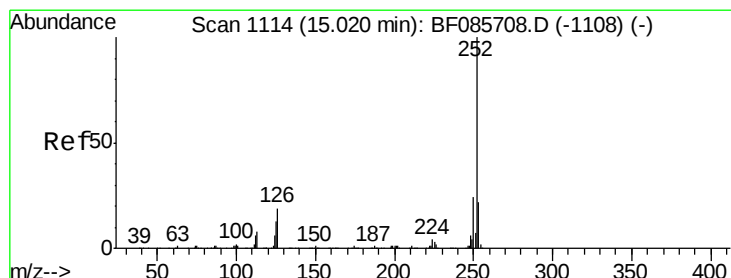
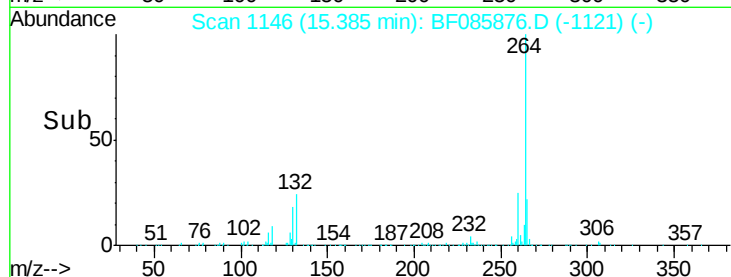
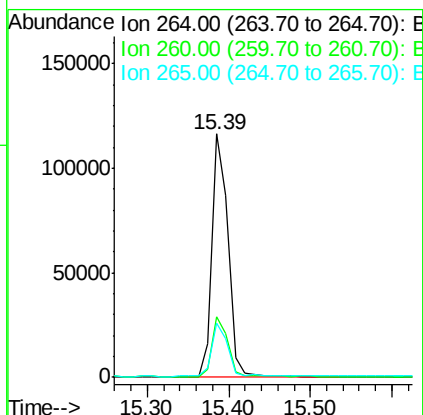
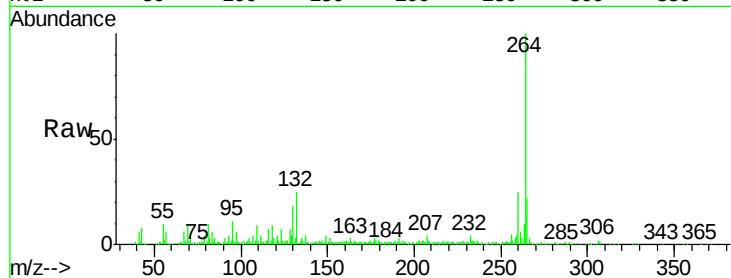




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

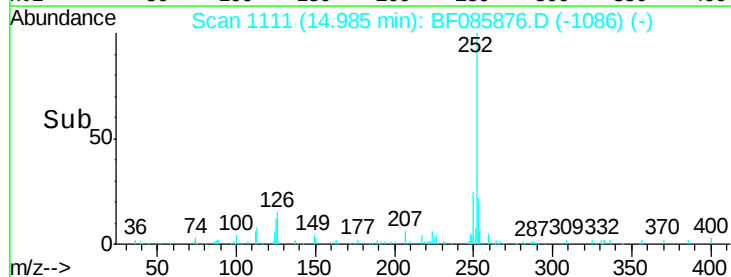
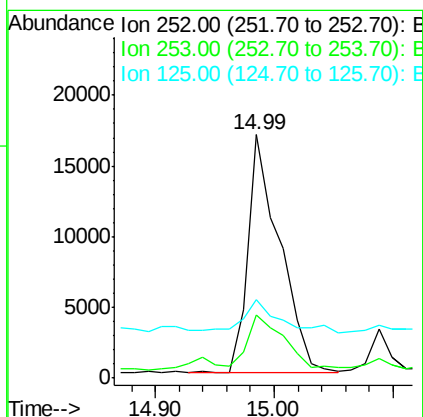
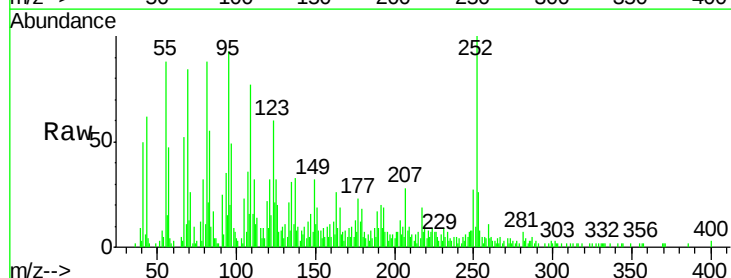
Instrument :
BNA_F
ClientSampleId :
TP-4

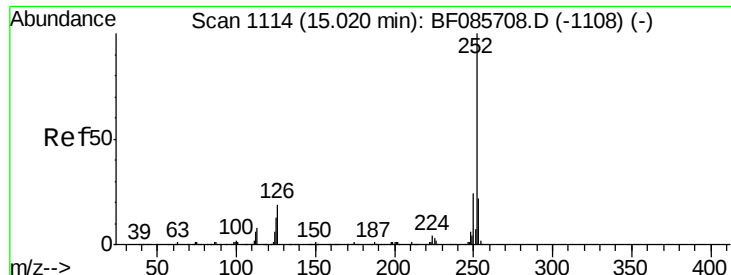
Tgt Ion:264 Resp: 162659
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.08 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085876.D
Acq: 30 Mar 2016 4:00

Tgt Ion:252 Resp: 31567
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 32.3 10.3 15.5#





#88

Benzo(k)fluoranthene

Concen: 3.42 ng

RT: 14.99 min Scan# 1111

Delta R.T. -0.03 min

Lab File: BF085876.D

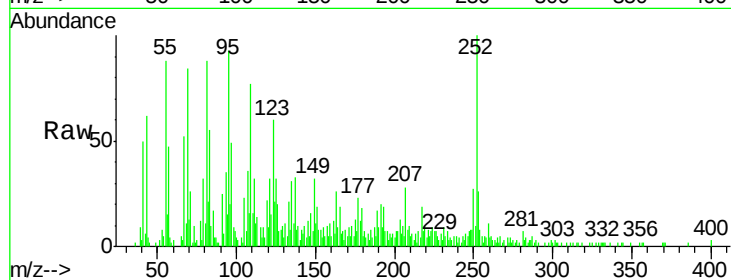
Acq: 30 Mar 2016 4:00

Instrument :

BNA_F

ClientSampleId :

TP-4



Tgt Ion:	252	Resp:	31567
Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.6
125	32.3	7.7	11.5#

