

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
 Data File : BF085890.D
 Acq On : 30 Mar 2016 17:03
 Operator : UM/SJ
 Sample : H1970-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 31 00:06:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

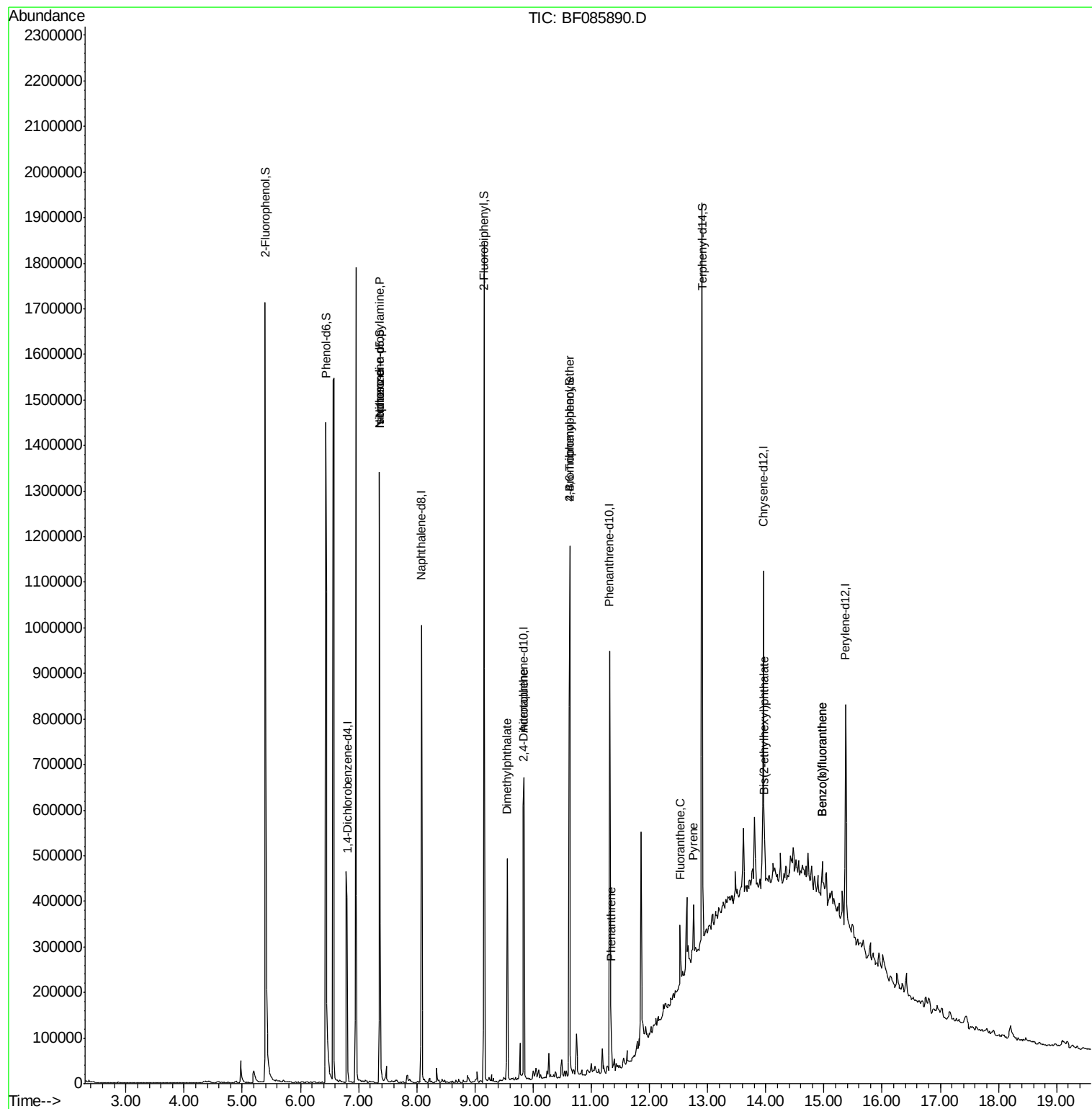
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102702	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	426340	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	185744	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	336635	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	223774	20.00	ng	-0.01
86) Perylene-d12	15.37	264	204910	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	642654	104.21	ng	0.00
7) Phenol-d6	6.44	99	805913	102.79	ng	-0.01
23) Nitrobenzene-d5	7.36	82	463056	61.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	188906	107.04	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	682911	61.43	ng	-0.01
78) Terphenyl-d14	12.90	244	501610	46.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	60867	12.97	ng	# 79
25) Isophorone	7.36	82	431163	29.56	ng	# 68
37) 2-Methylnaphthalene	8.80	142	1414	Below Cal		97
49) Dimethylphthalate	9.56	163	172605	12.25	ng	99
56) 2,4-Dinitrotoluene	9.83	165	24122	6.26	ng	# 38
66) 4-Bromophenyl-phenylether	10.63	248	12665	3.68	ng	# 1
70) Phenanthrene	11.34	178	55082	3.19	ng	99
74) Fluoranthene	12.53	202	62031	3.38	ng	97
77) Pyrene	12.76	202	51299	2.79	ng	98
83) Bis(2-ethylhexyl)phthalate	13.98	149	46243	5.01	ng	# 95
87) Benzo(b)fluoranthene	14.97	252	37514	2.91	ng	# 80
88) Benzo(k)fluoranthene	14.97	252	37514	3.22	ng	# 79

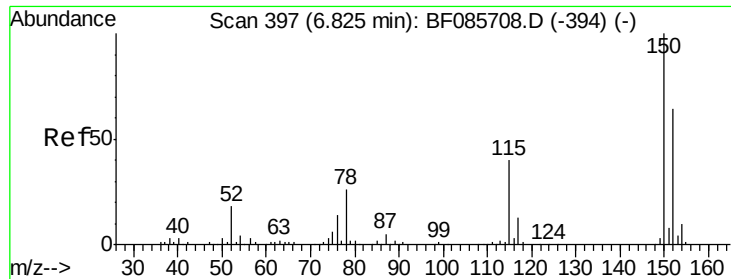
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

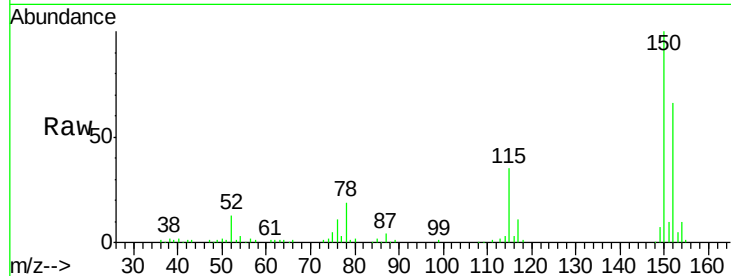
Tgt Ion:152 Resp: 102702

Ion Ratio Lower Upper

152 100

150 151.3 124.2 186.2

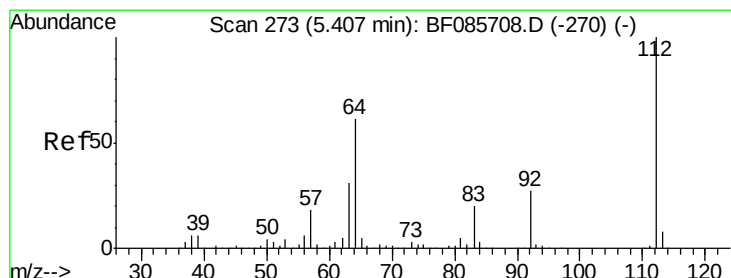
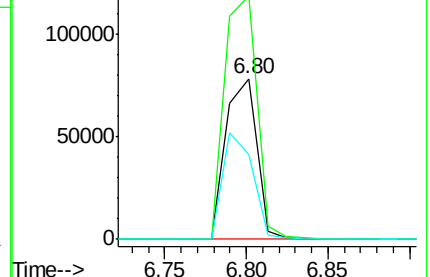
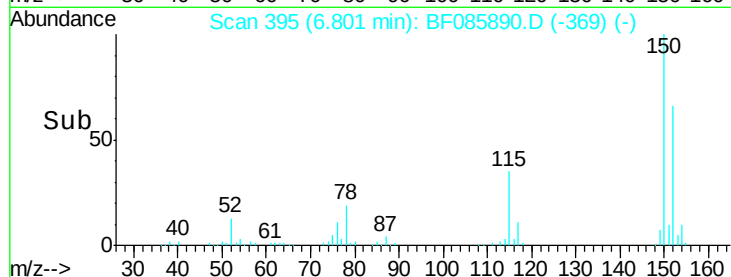
115 52.7 47.0 70.6



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: 104.21 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

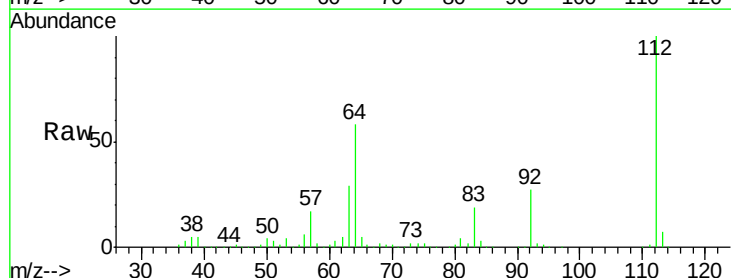
Tgt Ion:112 Resp: 642654

Ion Ratio Lower Upper

112 100

64 58.3 39.9 59.9

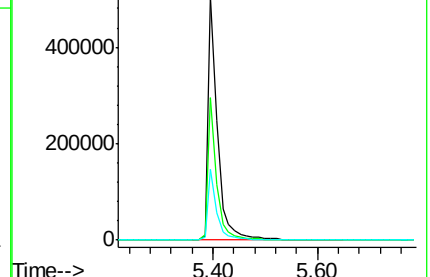
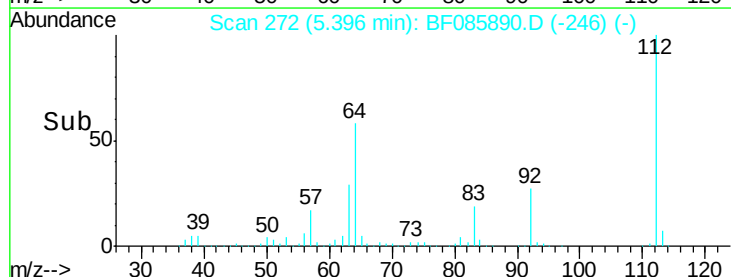
63 29.2 20.2 30.2

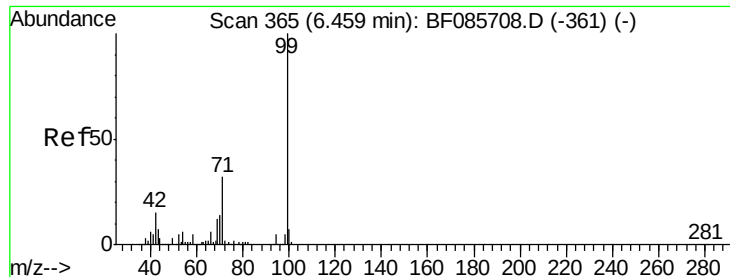


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.79 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

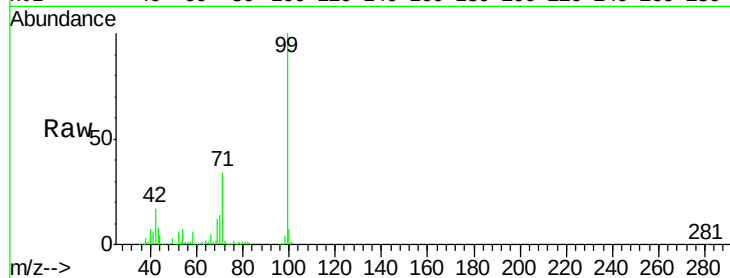
Tgt Ion: 99 Resp: 805913

Ion Ratio Lower Upper

99 100

42 17.0 11.1 16.7#

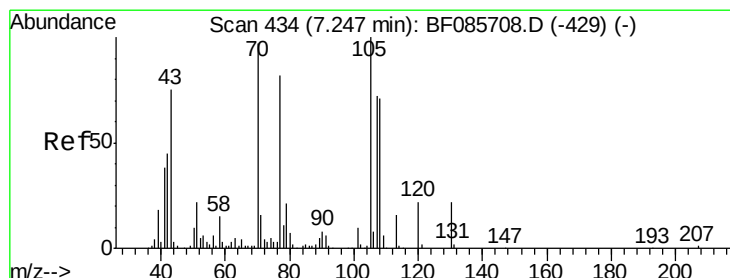
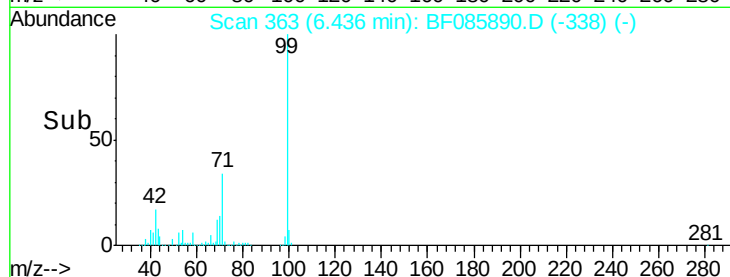
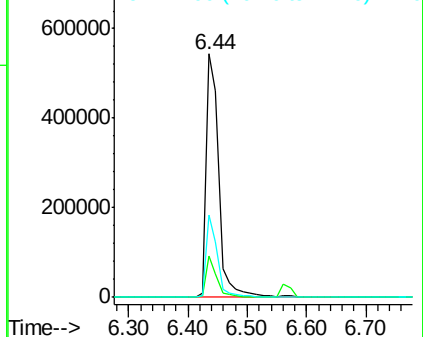
71 34.0 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.97 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Tgt Ion: 70 Resp: 60867

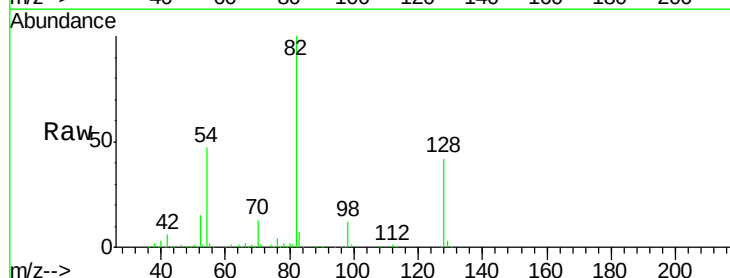
Ion Ratio Lower Upper

70 100

42 42.5 37.1 55.7

101 0.0 8.6 12.8#

130 1.9 19.6 29.4#

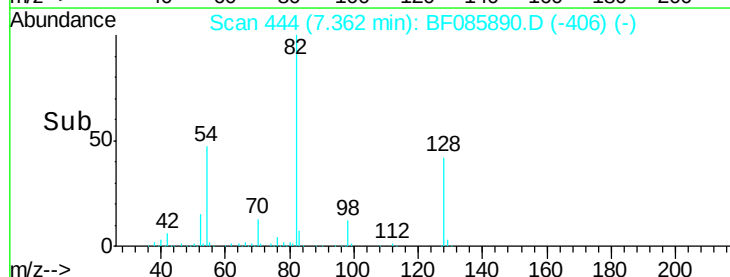
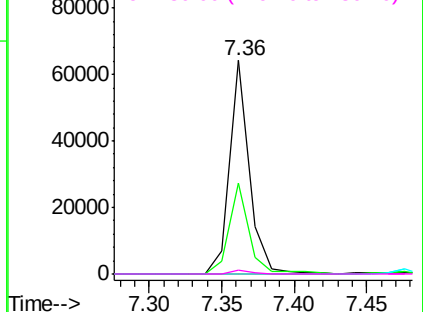


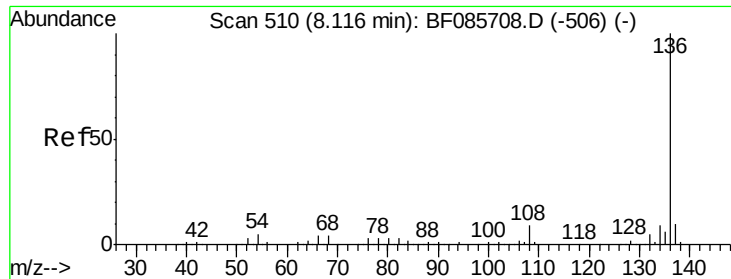
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

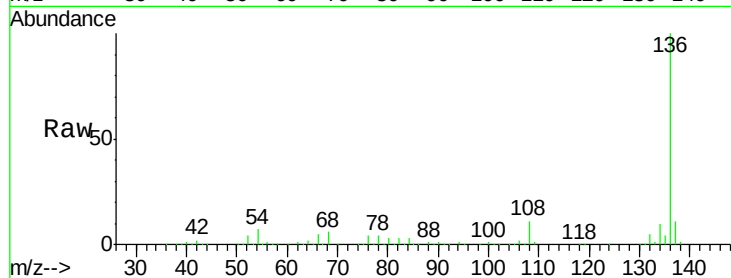




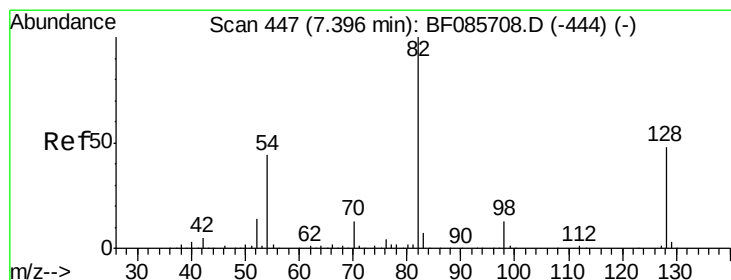
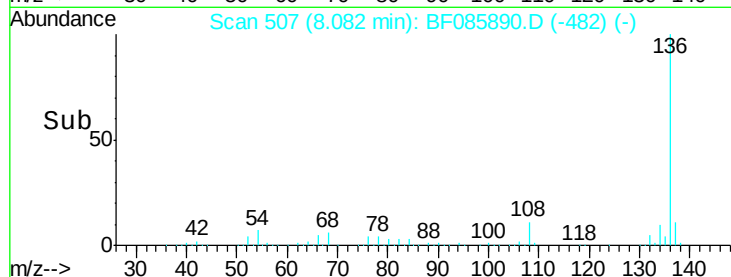
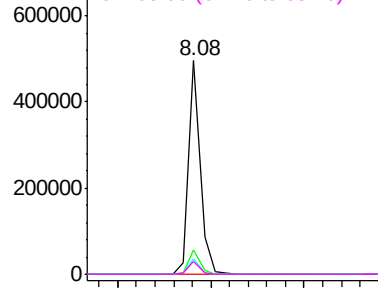
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:	136	Resp:	426340
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.5	7.4	11.0
68	6.3	5.8	8.8

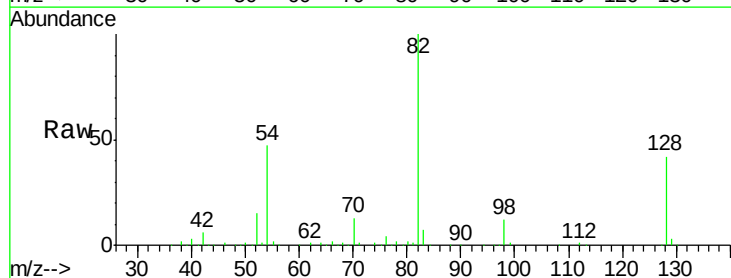


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

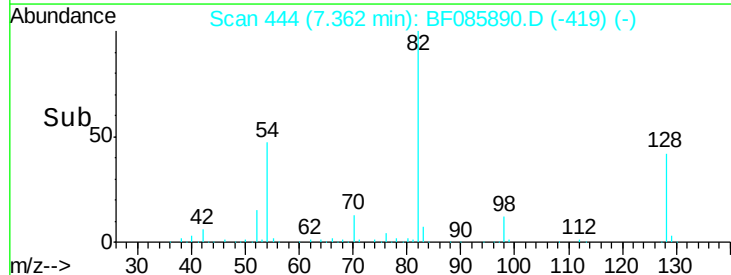
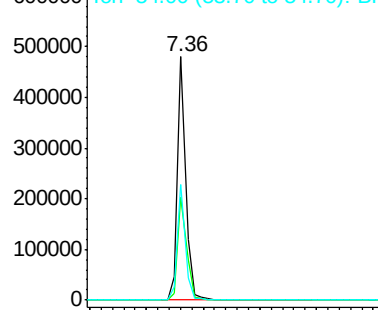


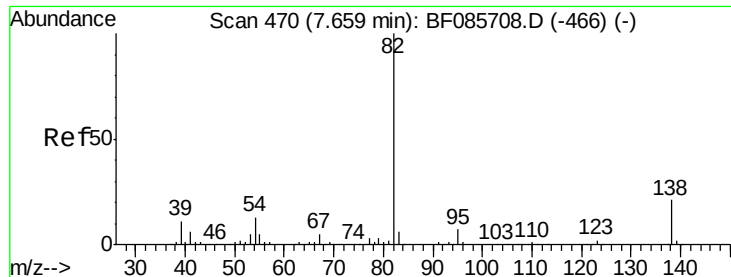
#23
Nitrobenzene-d5
Concen: 61.16 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Tgt Ion:	82	Resp:	463056
Ion	Ratio	Lower	Upper
82	100		
128	42.3	41.8	62.8
54	47.3	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: 29.56 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

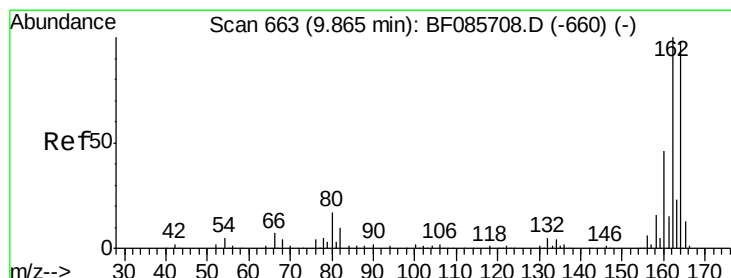
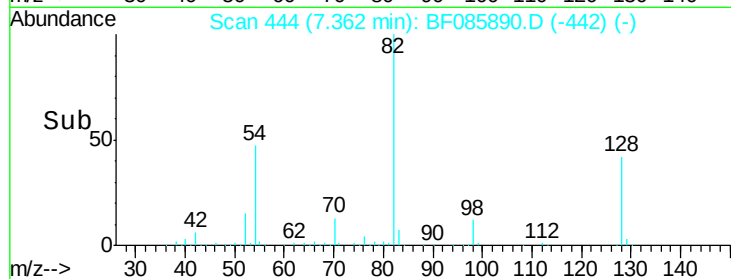
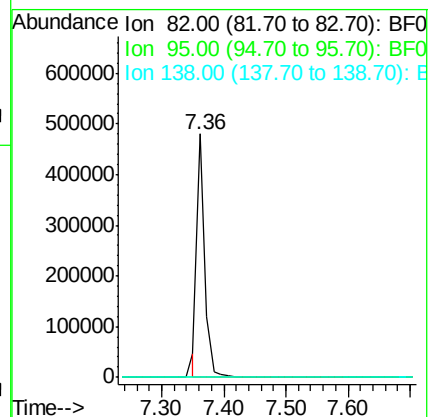
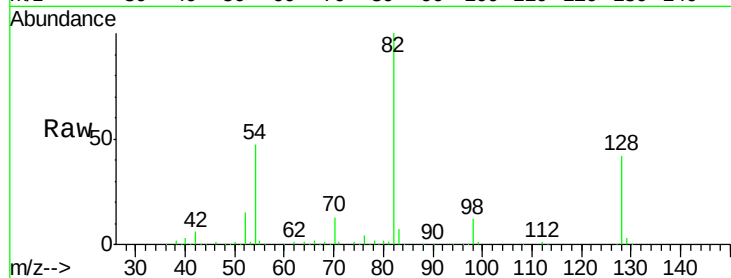
Tgt Ion: 82 Resp: 431163

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

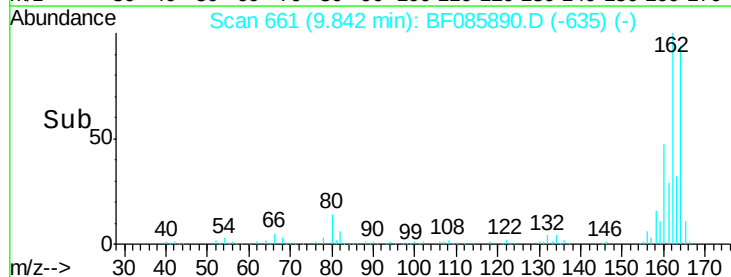
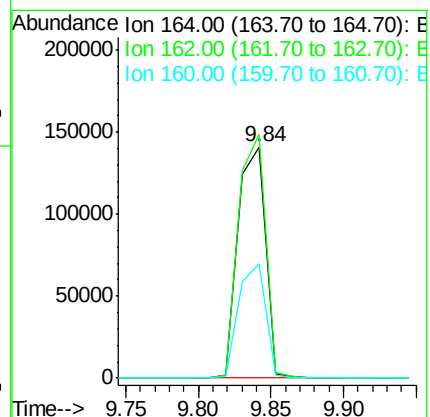
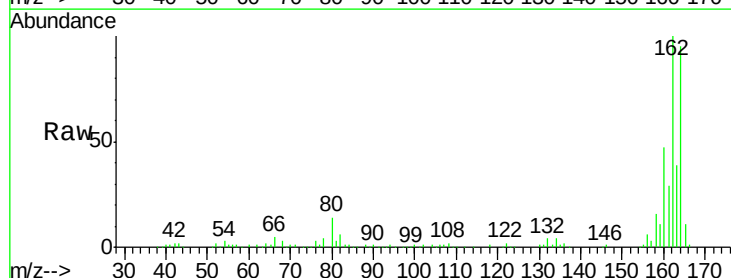
Tgt Ion: 164 Resp: 185744

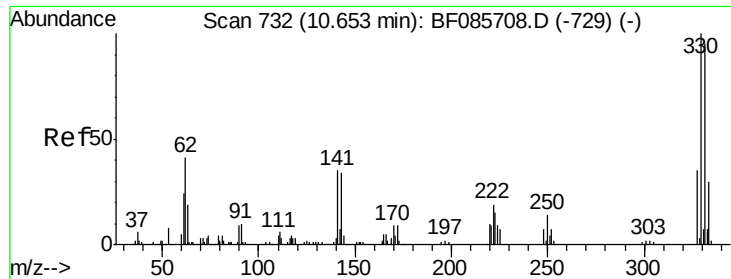
Ion Ratio Lower Upper

164 100

162 105.3 82.1 123.1

160 49.6 37.4 56.2

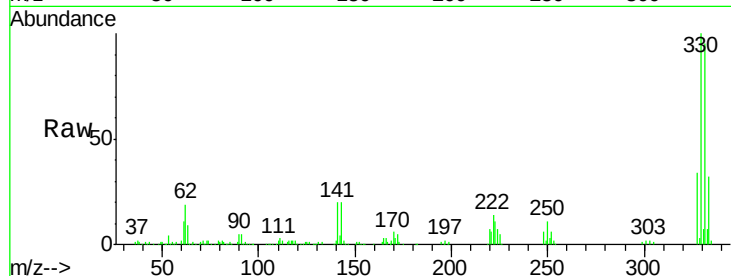




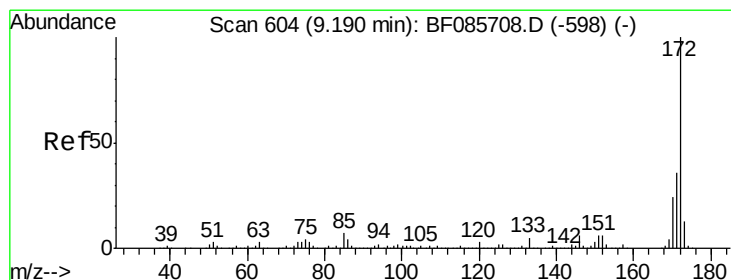
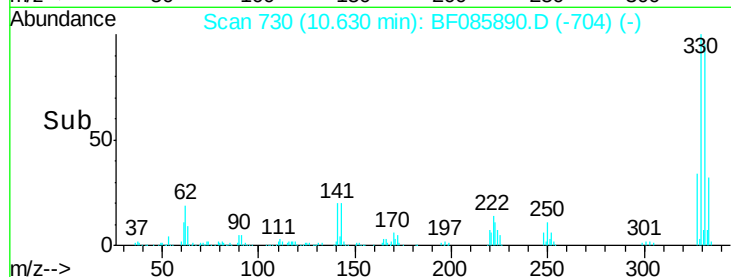
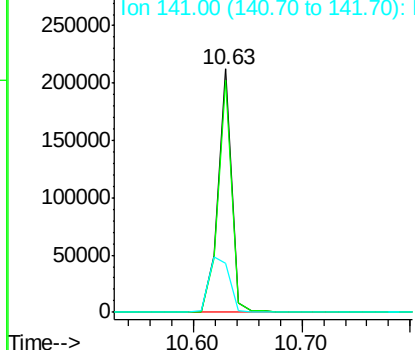
#41
 2,4,6-Tribromophenol
 Concen: 107.04 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: BF085890.D
 Acq: 30 Mar 2016 17:03

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tgt Ion:330 Resp: 188906
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.2 117.2
 141 35.3 31.5 47.3

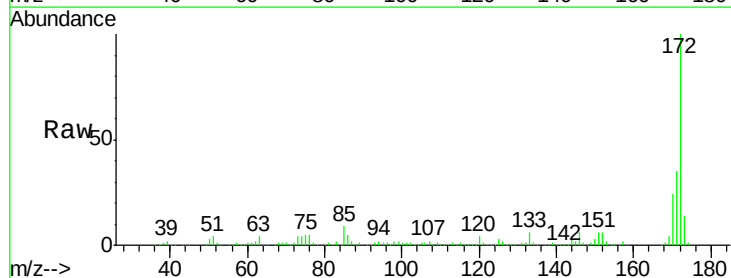


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

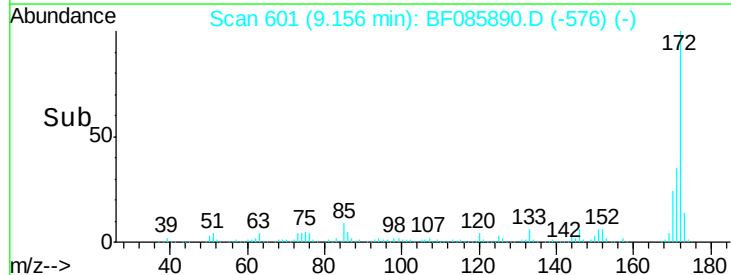
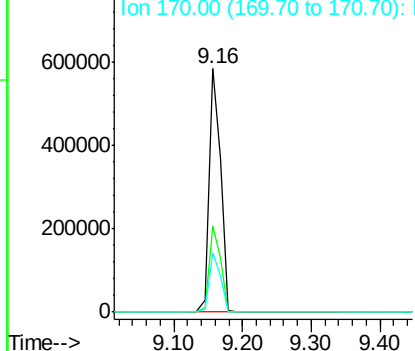


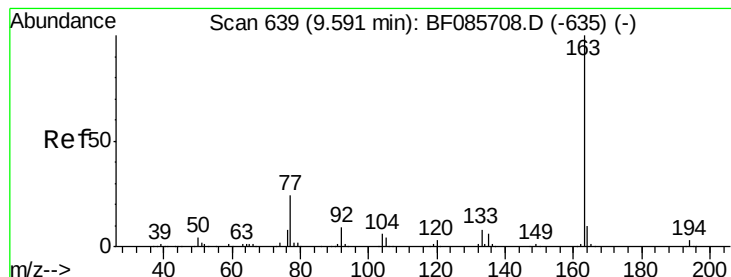
#44
 2-Fluorobiphenyl
 Concen: 61.43 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085890.D
 Acq: 30 Mar 2016 17:03

Tgt Ion:172 Resp: 682911
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.2
 170 24.3 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: 12.25 ng

RT: 9.56 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

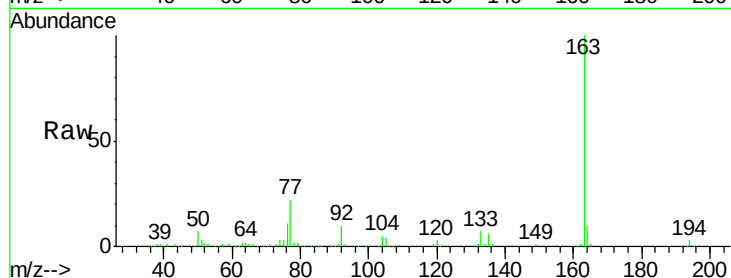
Tgt Ion:163 Resp: 172605

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

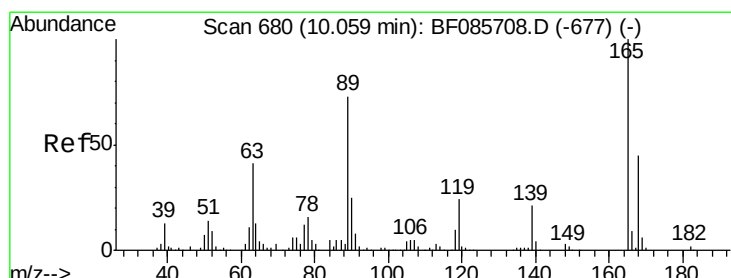
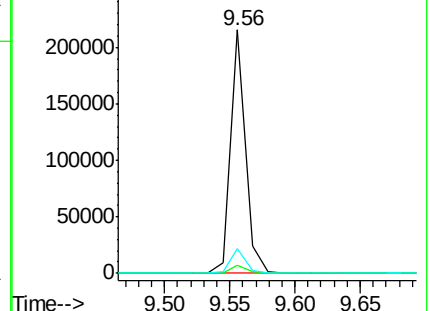
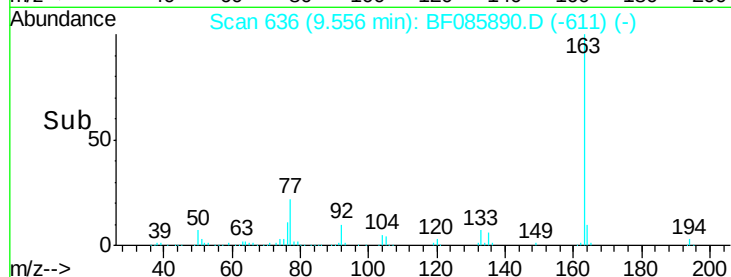
164 10.1 8.3 12.5



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: 6.26 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.21 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Tgt Ion:165 Resp: 24122

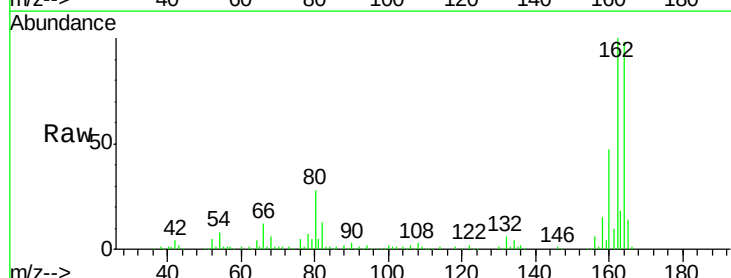
Ion Ratio Lower Upper

165 100

63 1.8 24.9 37.3#

89 2.0 41.0 61.6#

182 0.0 2.1 3.1#

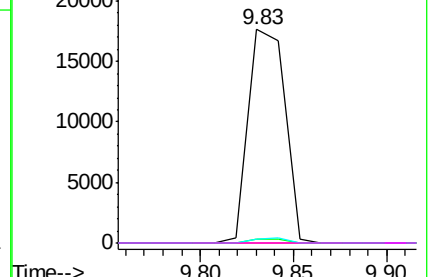
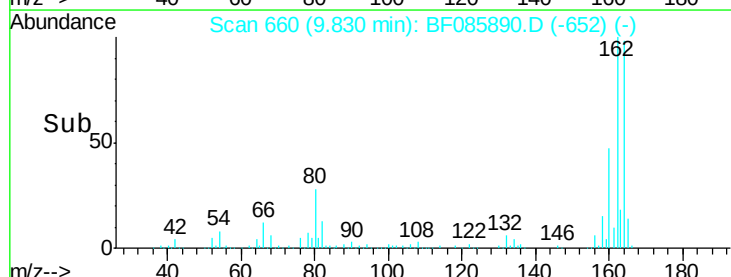


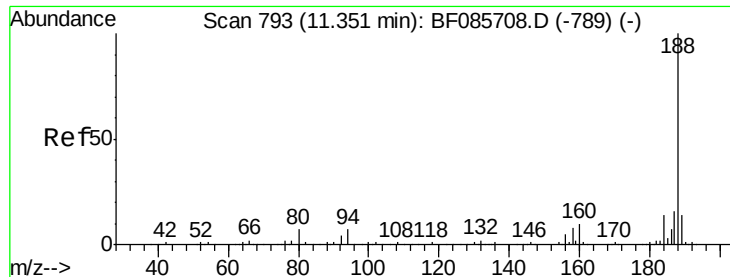
Abundance Ion 165.00 (164.70 to 165.70): E

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

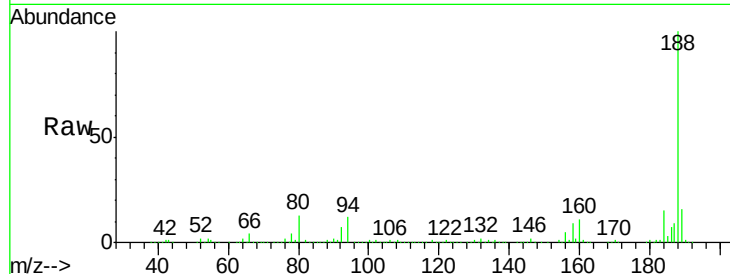




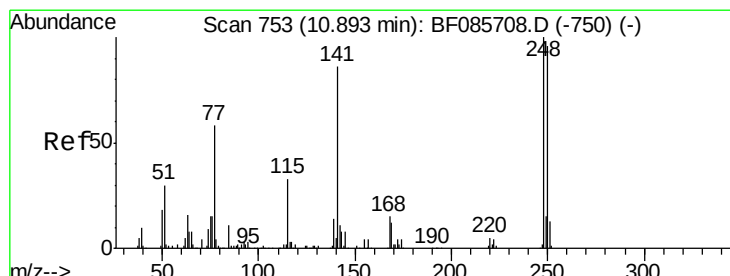
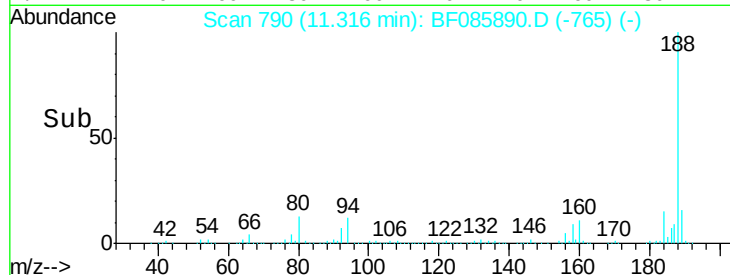
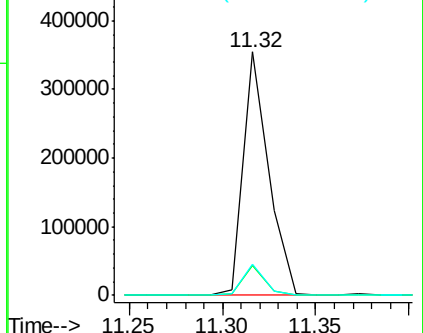
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:188 Resp: 336635
Ion Ratio Lower Upper
188 100
94 12.2 5.4 8.0#
80 12.9 5.5 8.3#

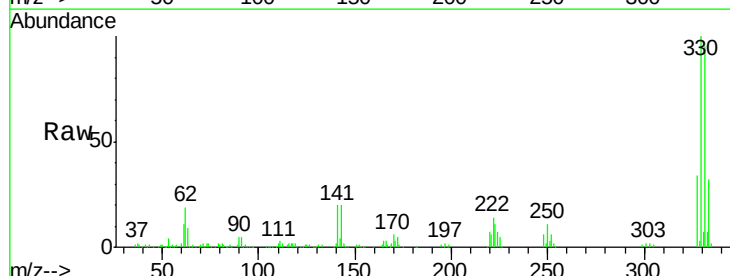


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

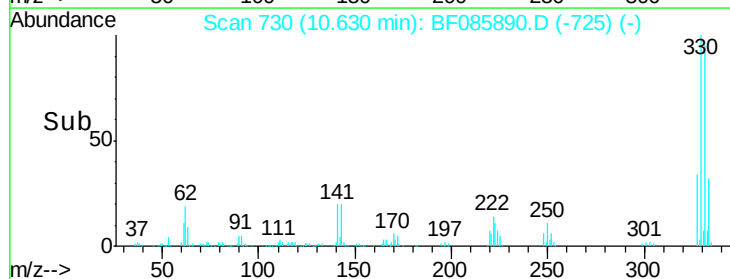
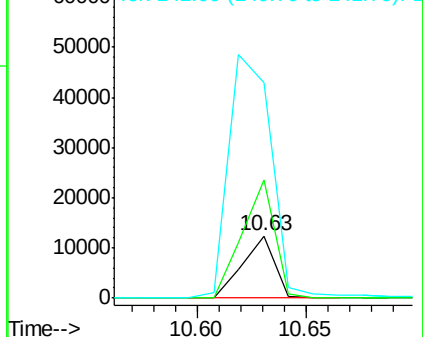


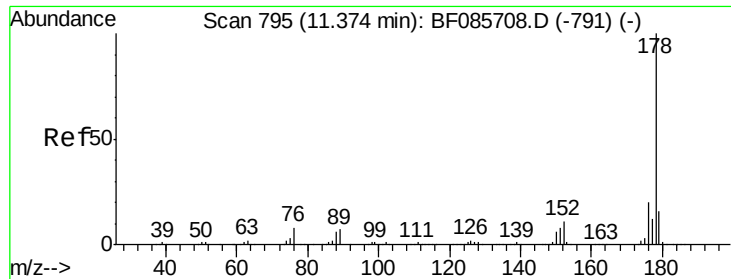
#66
4-Bromophenyl-phenylether
Concen: 3.68 ng
RT: 10.63 min Scan# 730
Delta R.T. -0.24 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Tgt Ion:248 Resp: 12665
Ion Ratio Lower Upper
248 100
250 191.3 77.4 116.0#
141 347.3 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

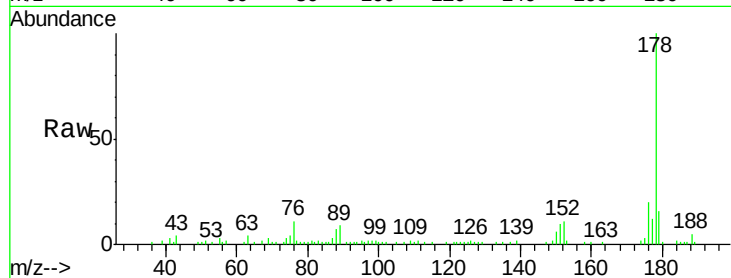




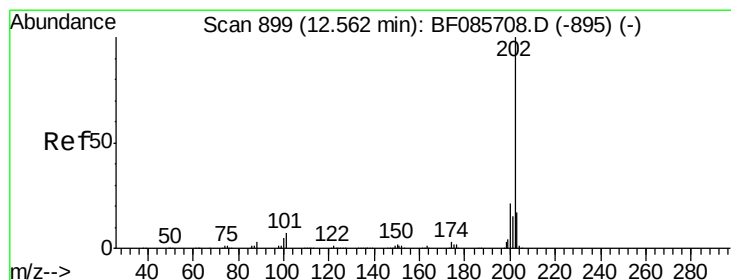
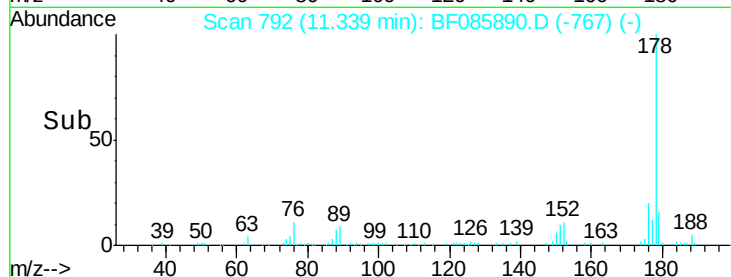
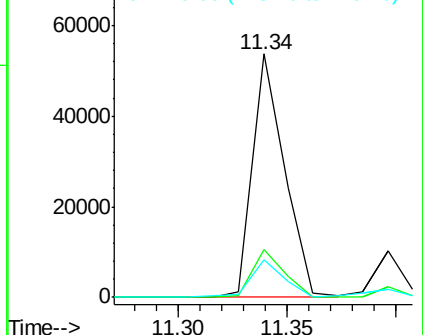
#70
Phenanthrene
Concen: 3.19 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:178 Resp: 55082
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 15.6 12.6 18.8

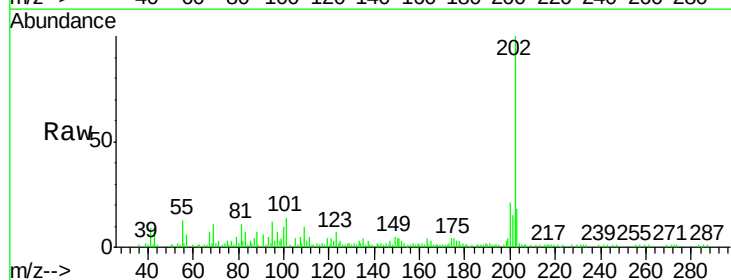


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

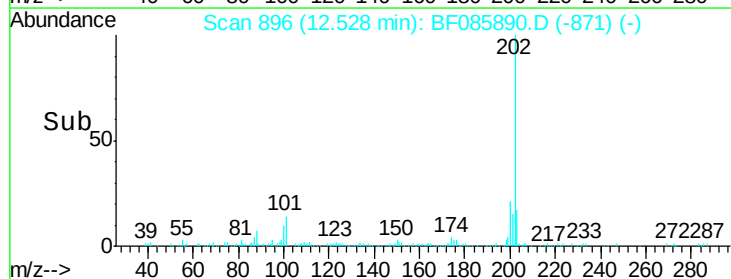
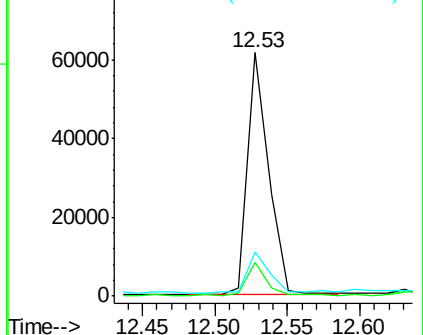


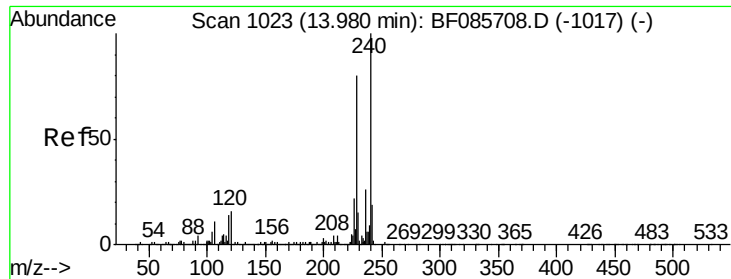
#74
Fluoranthene
Concen: 3.38 ng
RT: 12.53 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Tgt Ion:202 Resp: 62031
Ion Ratio Lower Upper
202 100
101 13.8 0.0 36.6
203 17.9 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: 13.96 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

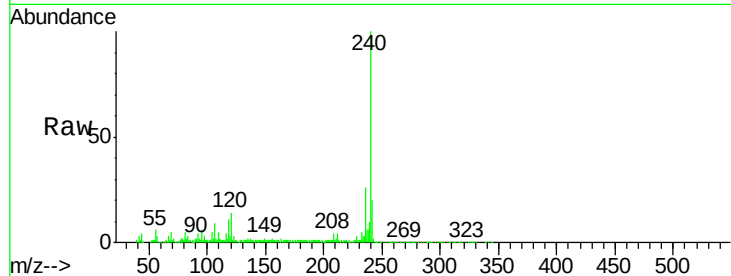
Tgt Ion:240 Resp: 223774

Ion Ratio Lower Upper

240 100

120 13.7 13.8 20.8#

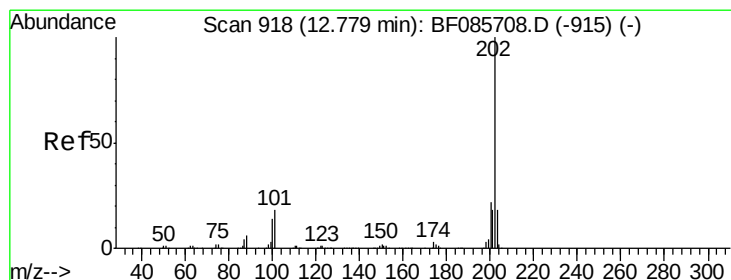
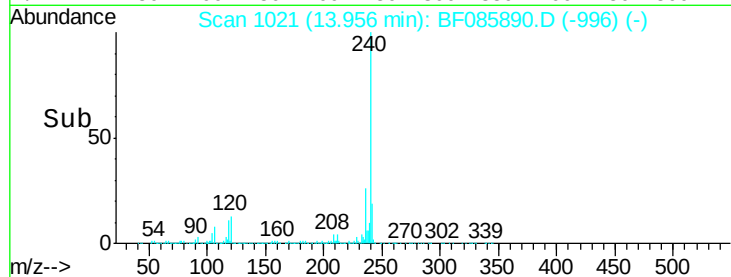
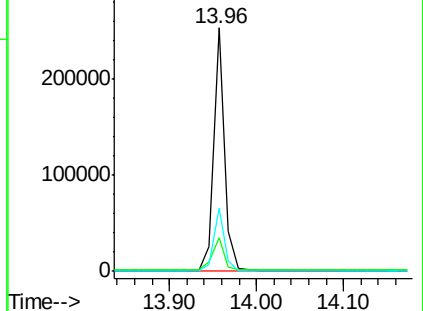
236 26.2 20.6 30.8



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: 2.79 ng

RT: 12.76 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

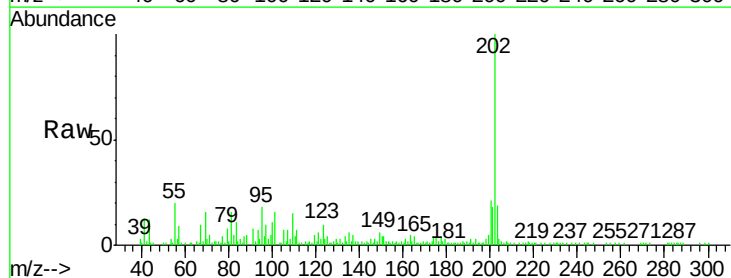
Tgt Ion:202 Resp: 51299

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

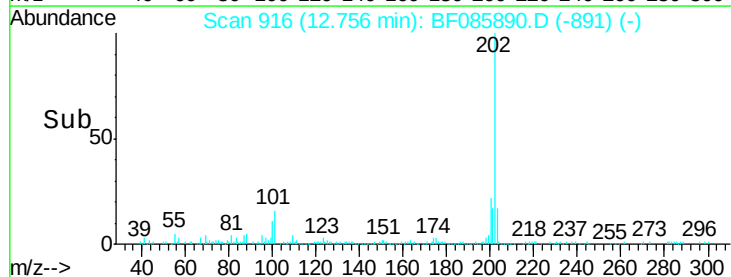
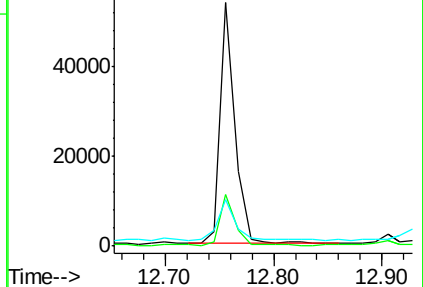
203 18.9 14.0 21.0

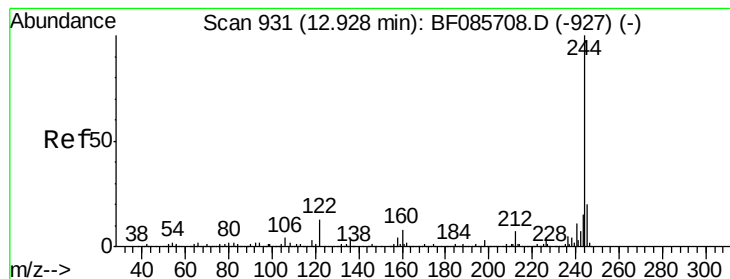


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.10 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4

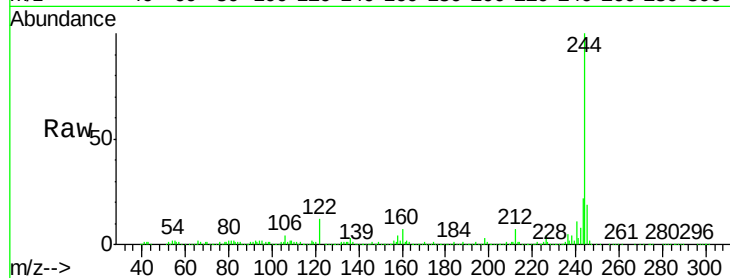
Tgt Ion:244 Resp: 501610

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

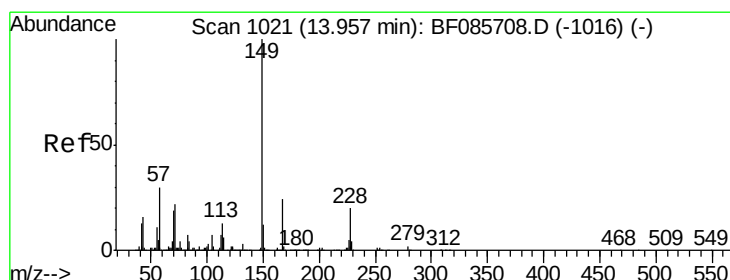
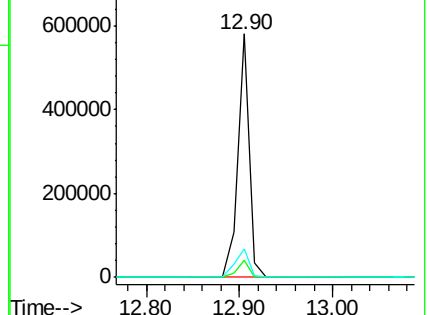
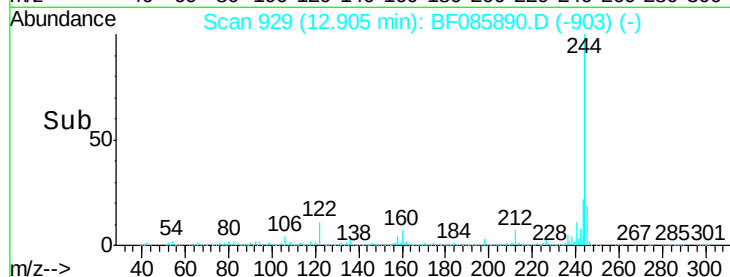
122 11.7 10.2 15.4



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: 5.01 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.03 min

Lab File: BF085890.D

Acq: 30 Mar 2016 17:03

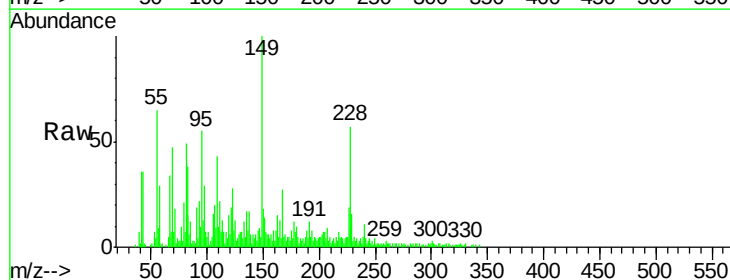
Tgt Ion:149 Resp: 46243

Ion Ratio Lower Upper

149 100

167 26.8 19.4 29.2

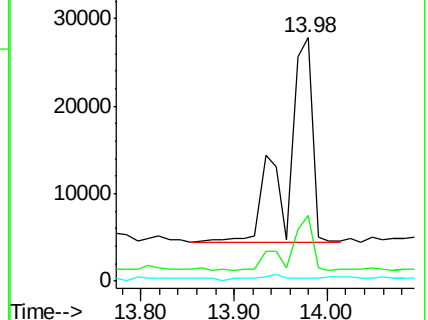
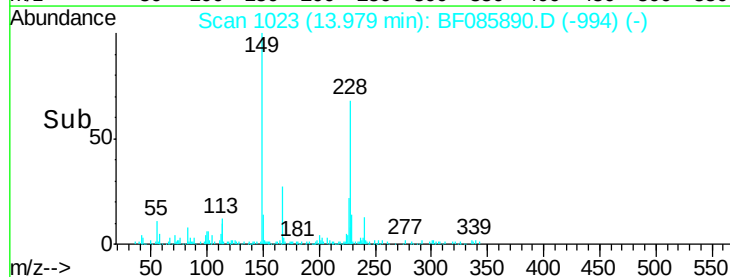
279 1.2 1.5 2.3#

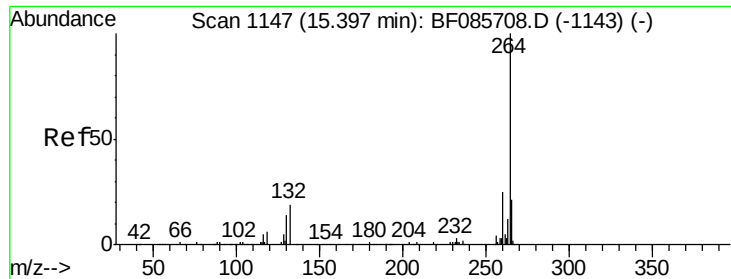


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

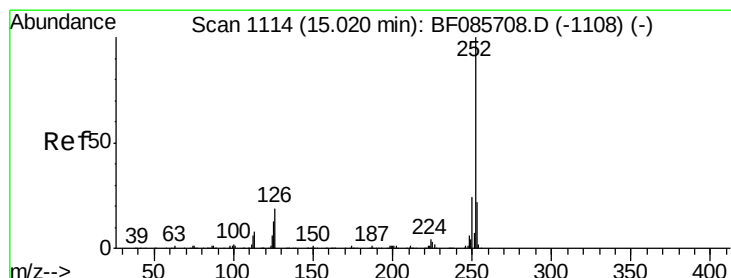
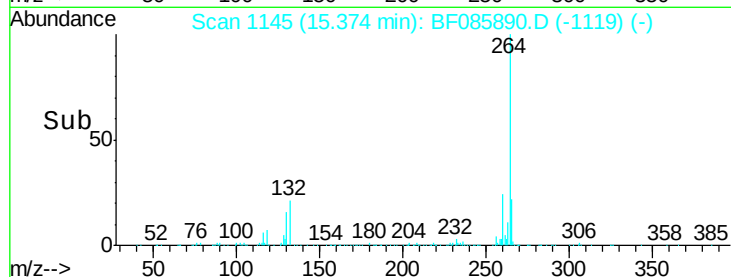
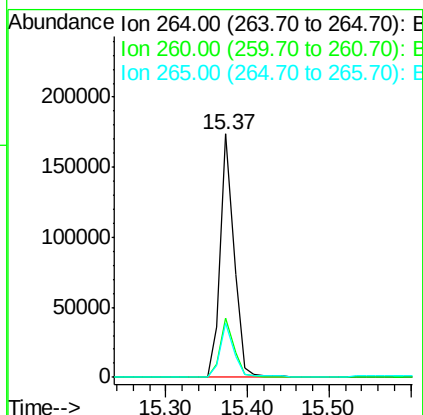
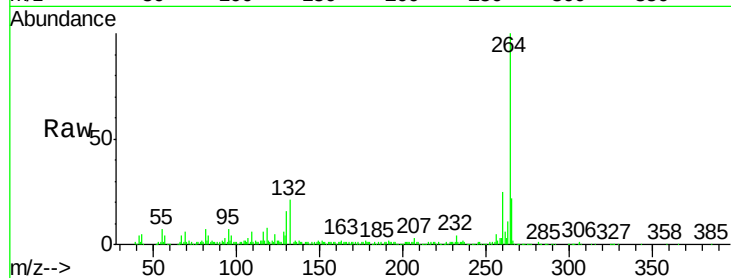




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

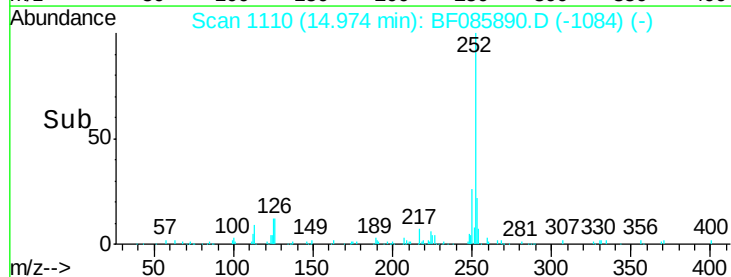
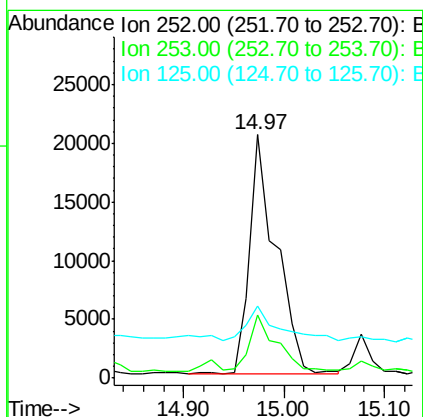
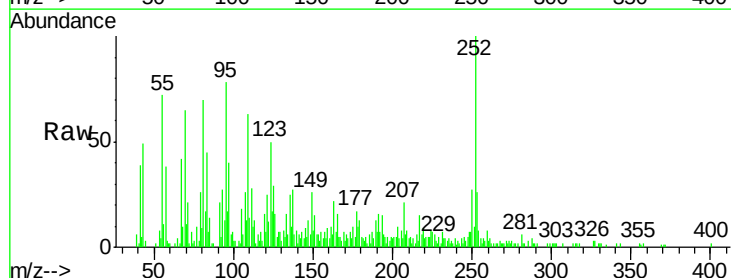
Instrument :
BNA_F
ClientSampleId :
TP-4

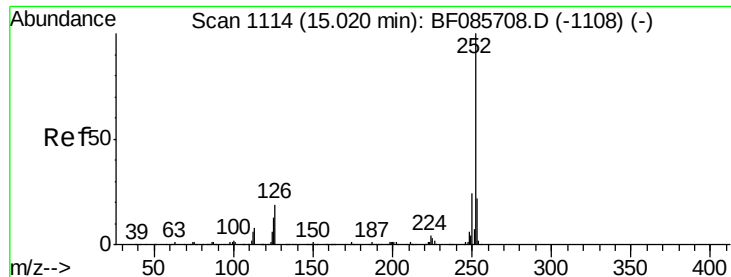
Tgt Ion:264 Resp: 204910
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.91 ng
RT: 14.97 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF085890.D
Acq: 30 Mar 2016 17:03

Tgt Ion:252 Resp: 37514
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 29.4 10.3 15.5#





#88

Benzo(k)fluoranthene

Concen: 3.22 ng

RT: 14.97 min Scan# 1110

Delta R.T. -0.03 min

Lab File: BF085890.D

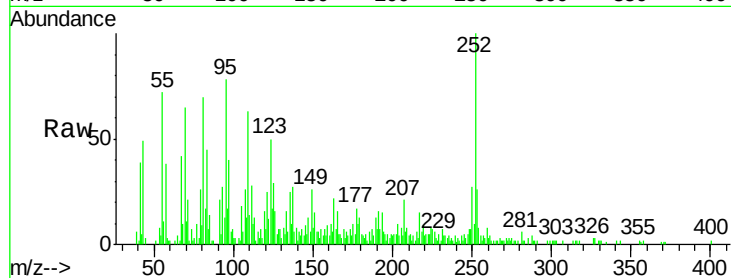
Acq: 30 Mar 2016 17:03

Instrument :

BNA_F

ClientSampleId :

TP-4



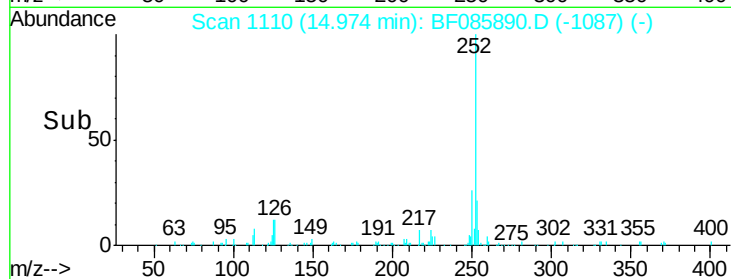
Tgt Ion: 252 Resp: 37514

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.6

125 29.4 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

