

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085865.D
 Acq On : 29 Mar 2016 22:54
 Operator : UM/SJ
 Sample : H1970-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

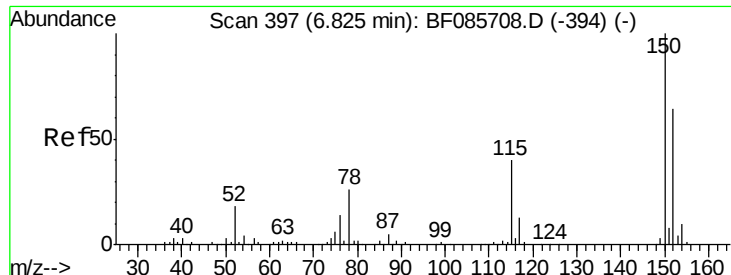
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Mar 29 23:54:25 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	6.96	152	347374	20.00	ng	0.14
21) Naphthalene-d8	8.09	136	460961	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	185733	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	312204	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	233288	20.00	ng	-0.01
86) Perylene-d12	15.39	264	226560	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	797318	38.23	ng	0.00
7) Phenol-d6	6.45	99	977799	36.87	ng	-0.01
23) Nitrobenzene-d5	7.37	82	608981	74.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	166552	94.38	ng	-0.02
44) 2-Fluorobiphenyl	9.17	172	823164	74.05	ng	-0.02
78) Terphenyl-d14	12.92	244	545099	48.05	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	80507	5.07	ng	# 77
25) Isophorone	7.37	82	484575	30.73	ng	# 68
37) 2-Methylnaphthalene	8.80	142	1202	Below Cal		88
49) Dimethylphthalate	9.57	163	185562	13.17	ng	99
56) 2,4-Dinitrotoluene	9.84	165	23372	6.06	ng	# 37
66) 4-Bromophenyl-phenylether	10.63	248	10480	3.28	ng	# 1
74) Fluoranthene	12.54	202	56697	3.33	ng	91
77) Pyrene	12.77	202	58483	3.05	ng	98
80) Benzo(a)anthracene	13.96	228	67781	5.10	ng	96
82) Chrysene	13.96	228	67781	5.06	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	64622	6.25	ng	92
87) Benzo(b)fluoranthene	14.99	252	196308	13.75	ng	99
88) Benzo(k)fluoranthene	14.99	252	196308	15.26	ng	# 97
89) Benzo(a)pyrene	15.33	252	97495	7.69	ng	95
91) Benzo(g,h,i)perylene	17.18	276	60362	5.06	ng	94

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

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Sample    : H1970-08  
Misc      :  
ALS Vial  : 14      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. 0.14 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

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ClientSampleId :

TP-8

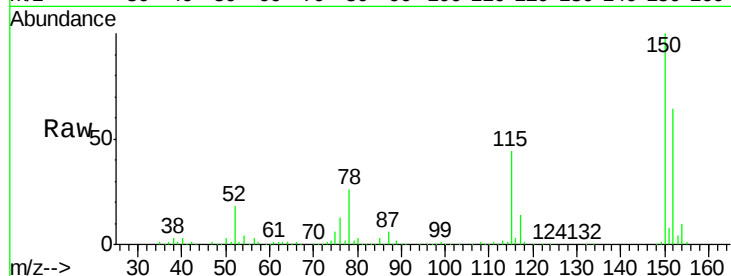
Tgt Ion:152 Resp: 347374

Ion Ratio Lower Upper

152 100

150 156.3 124.2 186.2

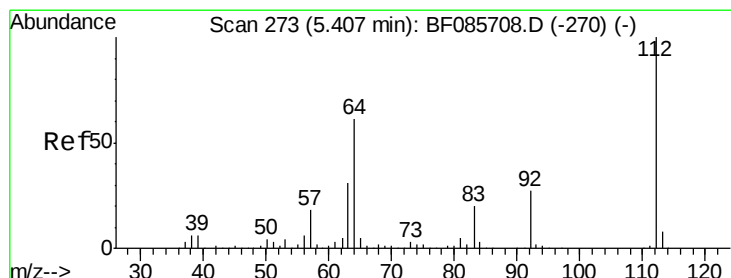
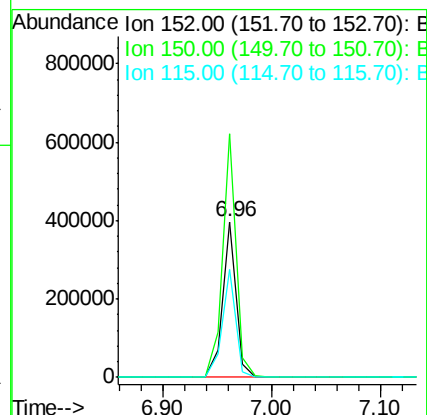
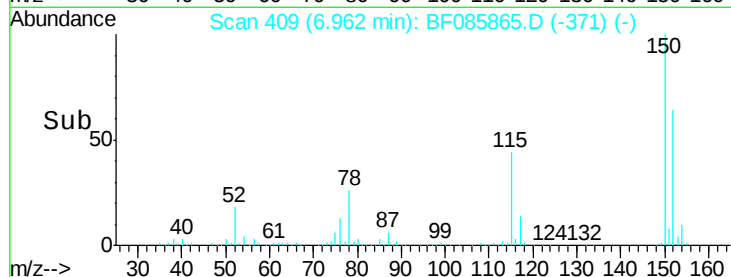
115 69.4 47.0 70.6



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: 38.23 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

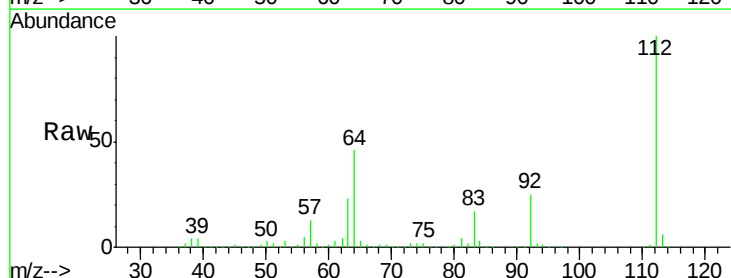
Tgt Ion:112 Resp: 797318

Ion Ratio Lower Upper

112 100

64 45.9 39.9 59.9

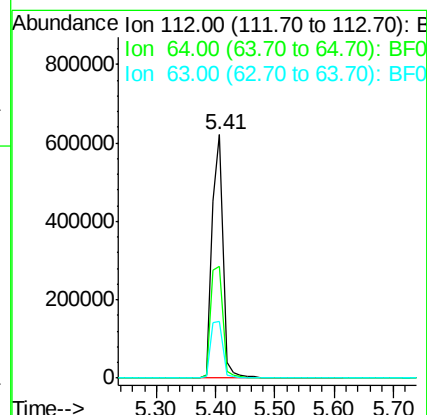
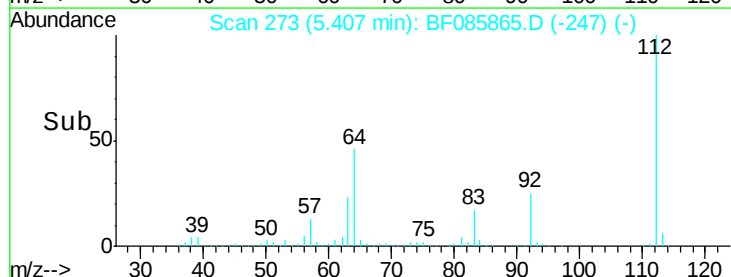
63 23.4 20.2 30.2



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: 36.87 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

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ClientSampleId :

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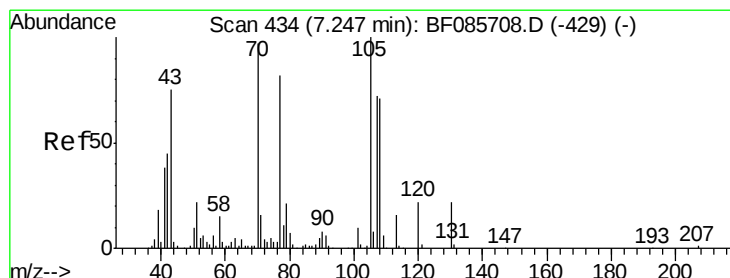
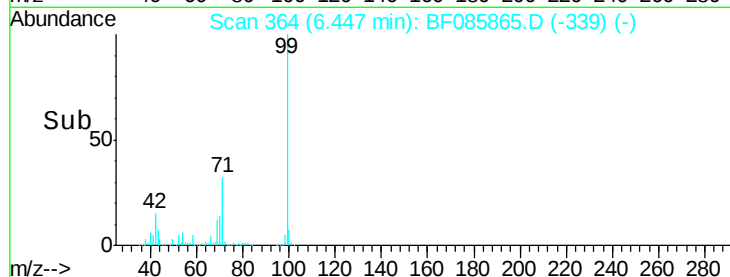
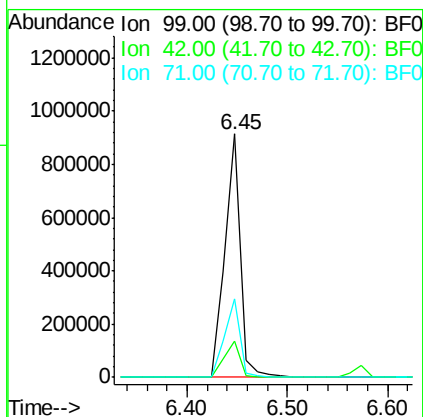
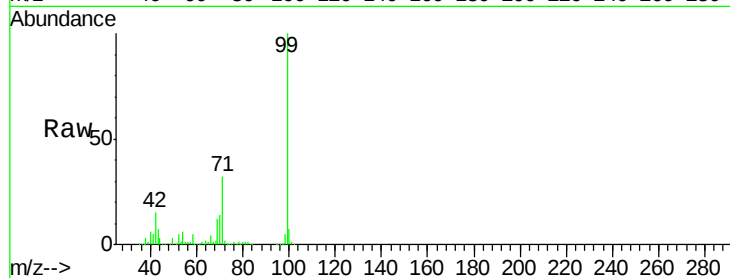
Tgt Ion: 99 Resp: 977799

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

71 32.2 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 5.07 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.13 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Tgt Ion: 70 Resp: 80507

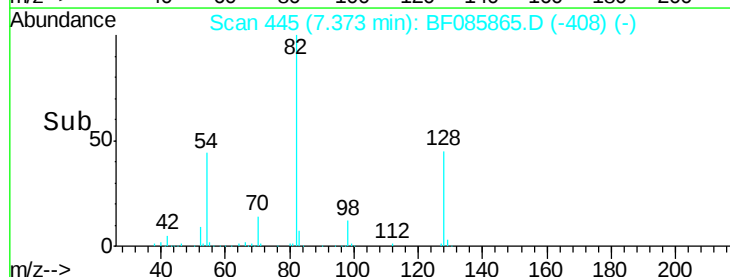
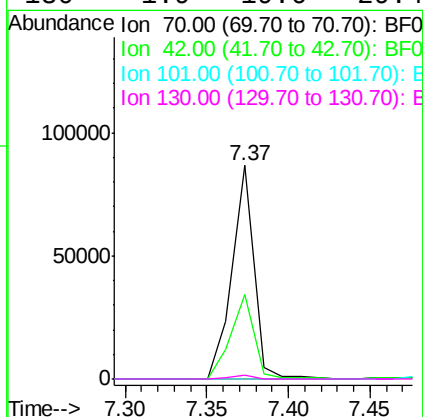
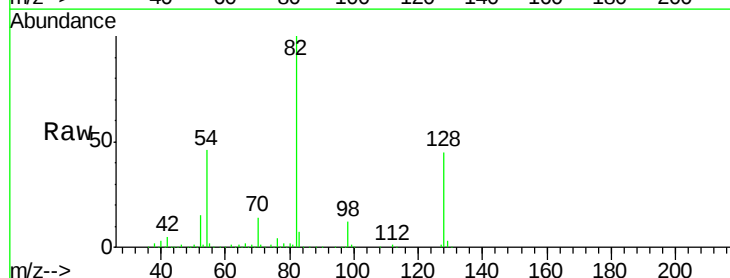
Ion Ratio Lower Upper

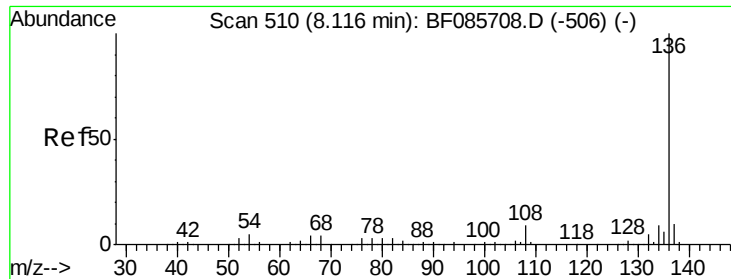
70 100

42 39.9 37.1 55.7

101 0.0 8.6 12.8#

130 1.9 19.6 29.4#

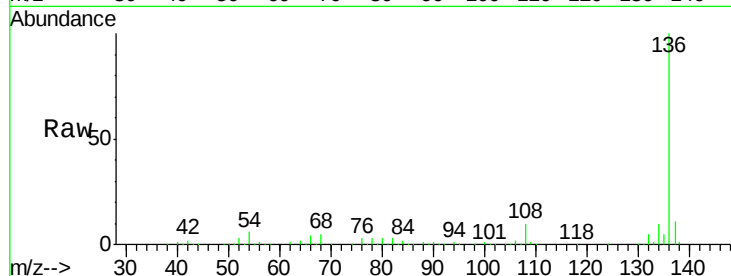




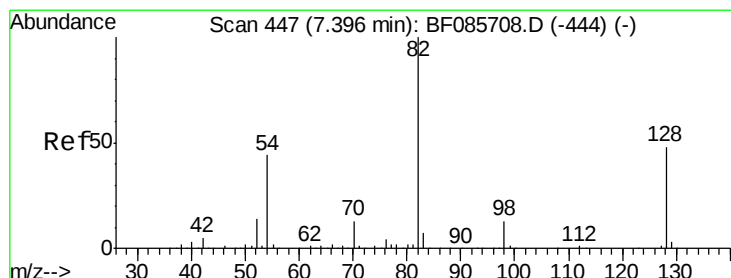
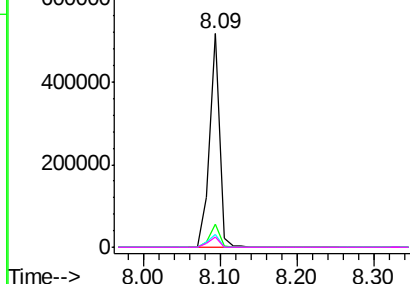
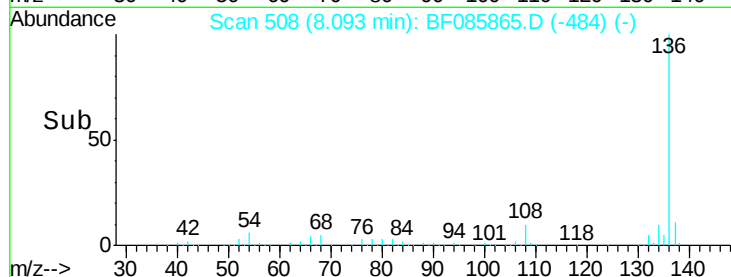
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF085865.D
Acq: 29 Mar 2016 22:54

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:	136	Resp:	460961
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.8	7.4	11.0#
68	5.0	5.8	8.8#

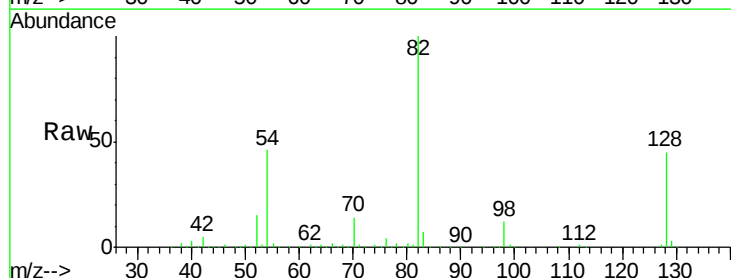


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

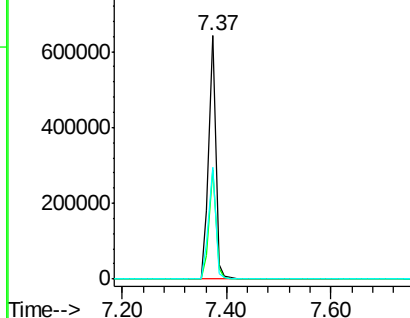
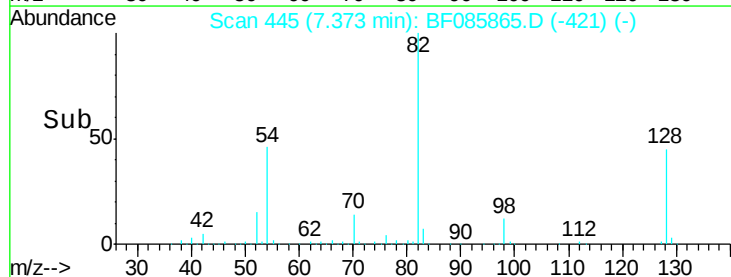


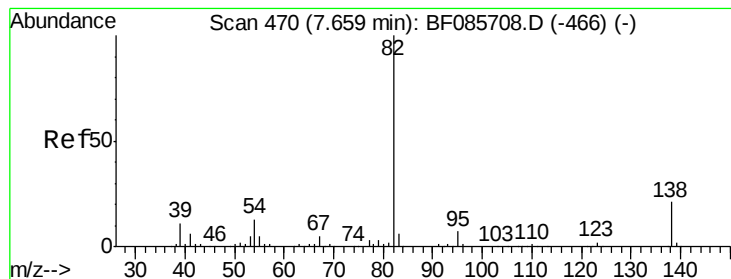
#23
Nitrobenzene-d5
Concen: 74.40 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085865.D
Acq: 29 Mar 2016 22:54

Tgt Ion:	82	Resp:	608981
Ion	Ratio	Lower	Upper
82	100		
128	45.1	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





#25

Isophorone

Concen: 30.73 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.29 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

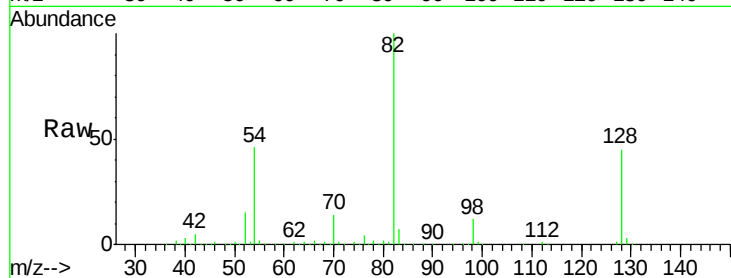
Tgt Ion: 82 Resp: 484575

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

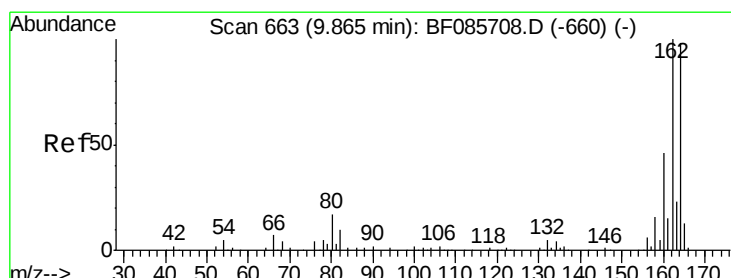
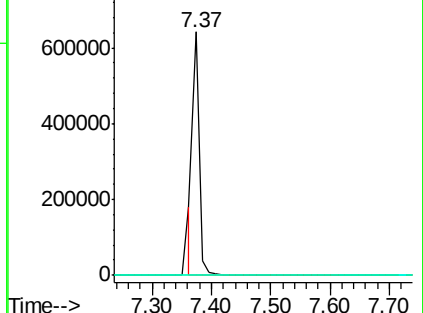
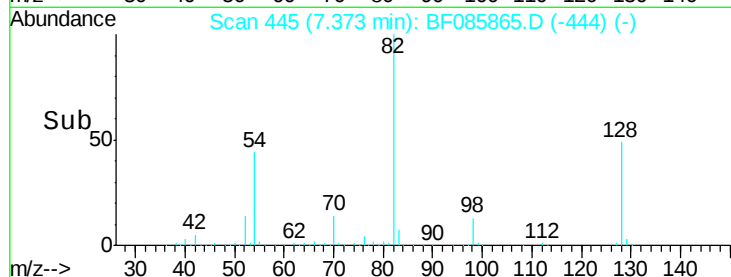
138 0.0 12.9 19.3#



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: BF085865.D

Acq: 29 Mar 2016 22:54

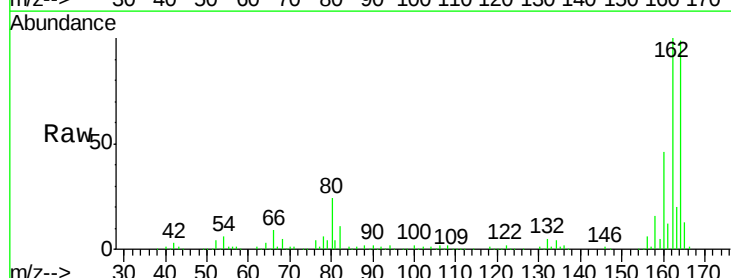
Tgt Ion: 164 Resp: 185733

Ion Ratio Lower Upper

164 100

162 101.2 82.1 123.1

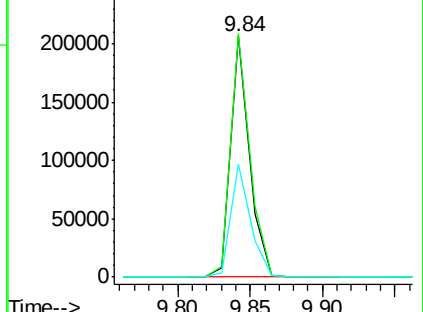
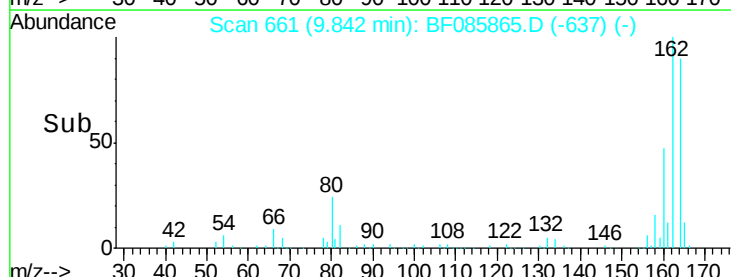
160 47.0 37.4 56.2

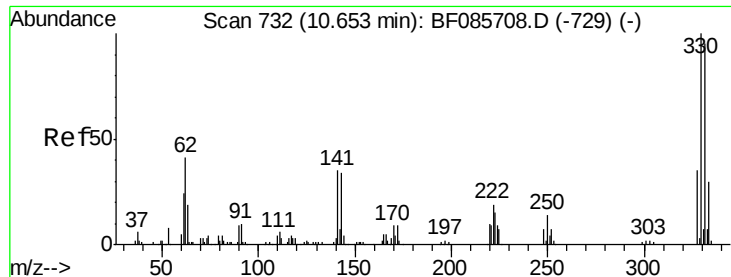


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

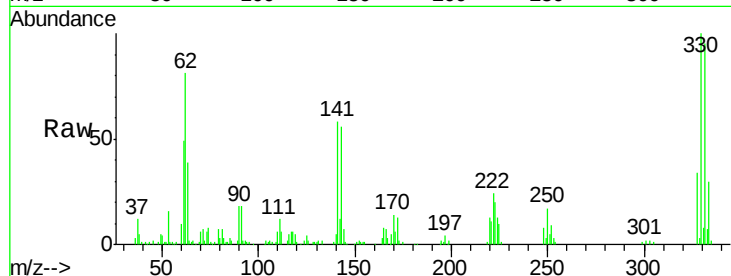




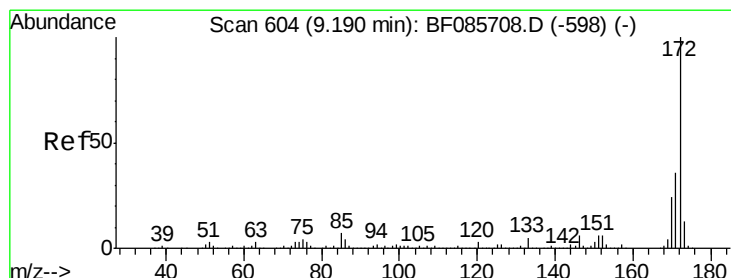
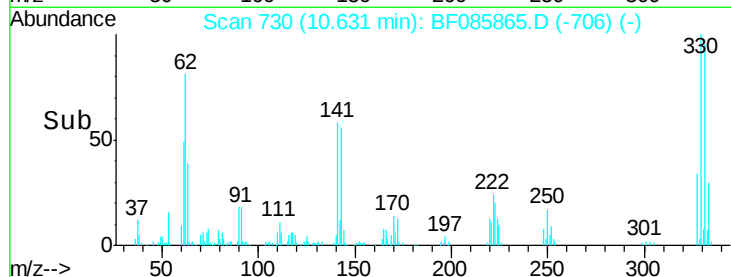
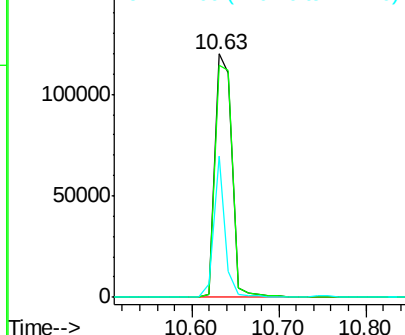
#41
 2,4,6-Tribromophenol
 Concen: 94.38 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.02 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:330 Resp: 166552
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.2 117.2
 141 38.4 31.5 47.3

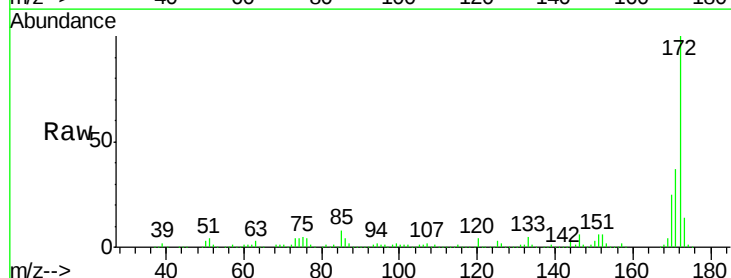


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

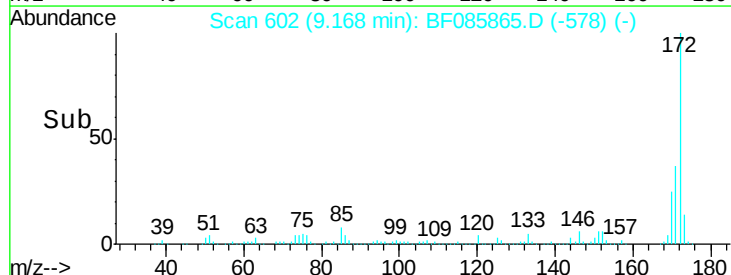
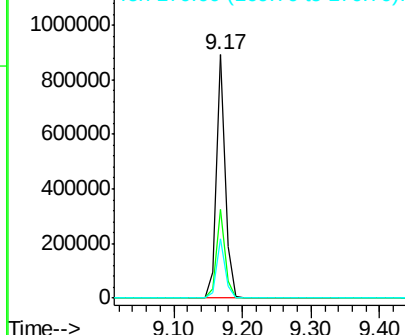


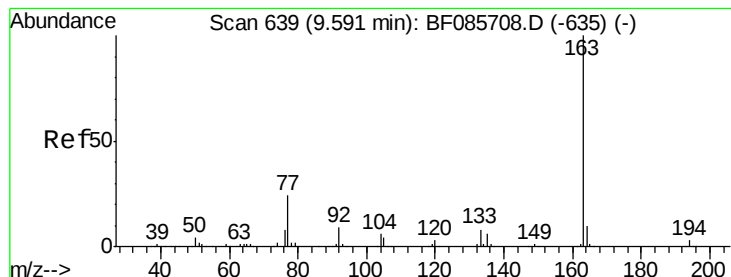
#44
 2-Fluorobiphenyl
 Concen: 74.05 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

Tgt Ion:172 Resp: 823164
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.6 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: 13.17 ng

RT: 9.57 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

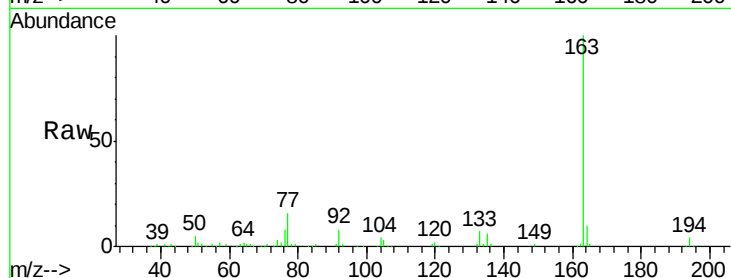
Tgt Ion:163 Resp: 185562

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

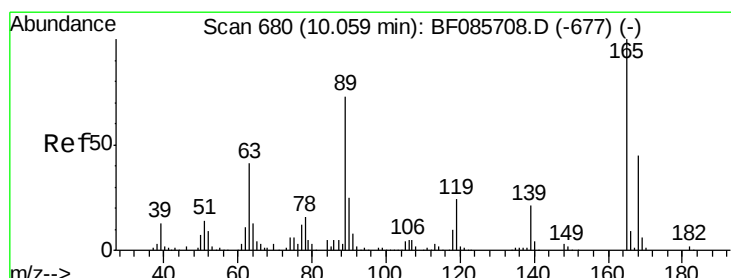
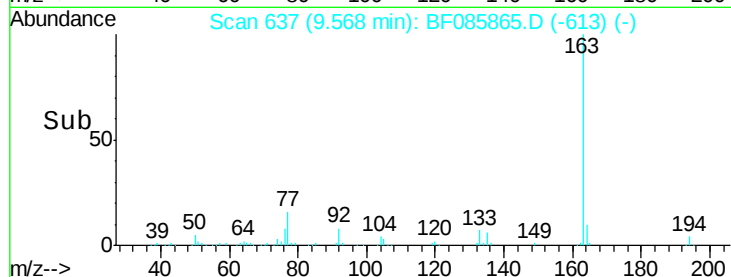
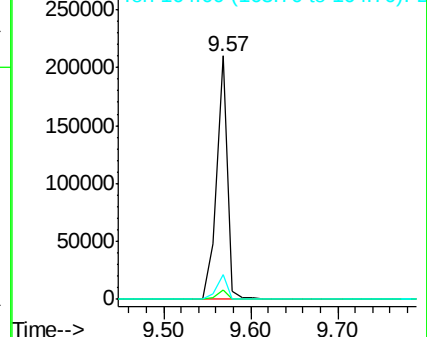
164 9.9 8.3 12.5



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: 6.06 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.22 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Tgt Ion:165 Resp: 23372

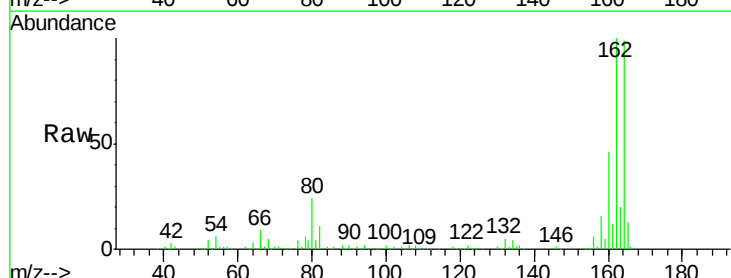
Ion Ratio Lower Upper

165 100

63 1.5 24.9 37.3#

89 1.6 41.0 61.6#

182 0.0 2.1 3.1#

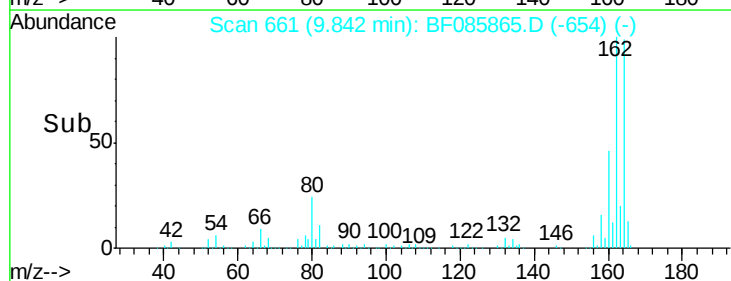
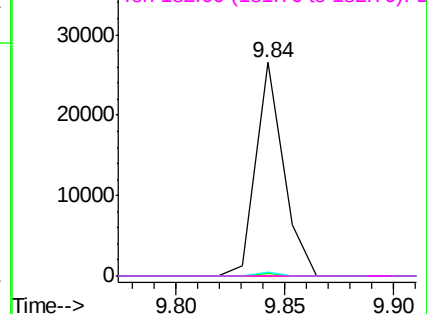


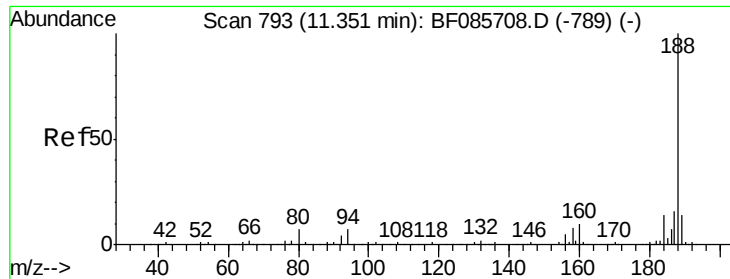
Abundance Ion 165.00 (164.70 to 165.70): E

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

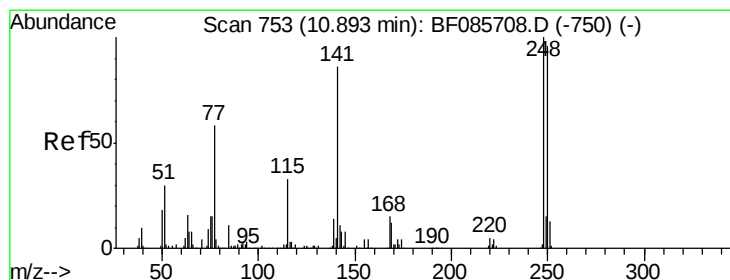
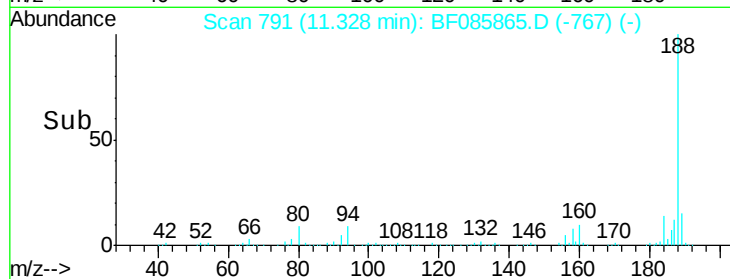
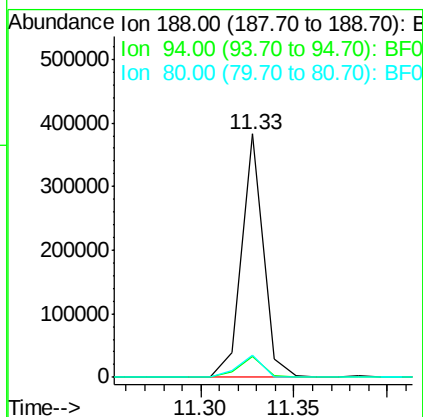
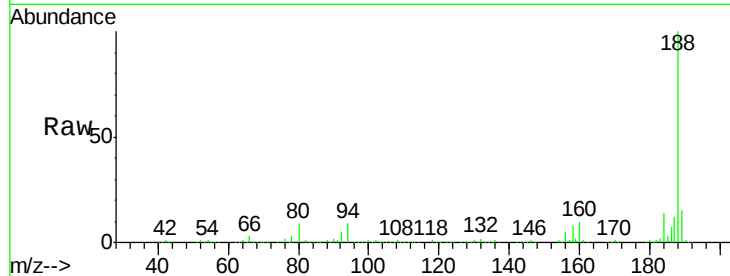




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

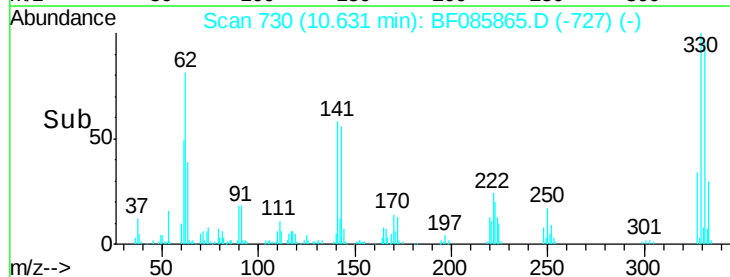
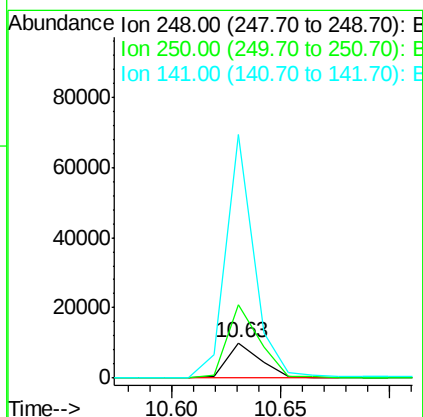
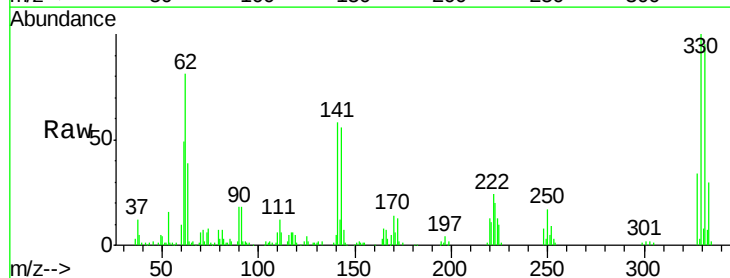
Instrument :
 BNA_F
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 TP-8

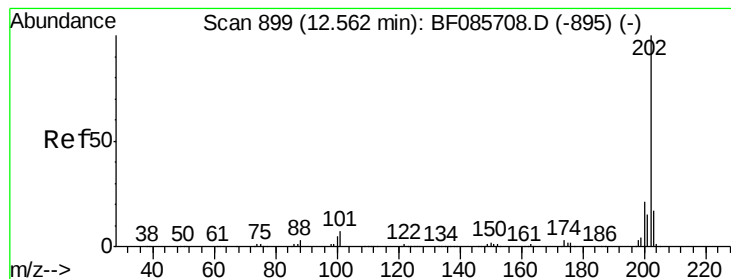
Tgt Ion:188 Resp: 312204
 Ion Ratio Lower Upper
 188 100
 94 8.8 5.4 8.0#
 80 9.2 5.5 8.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.28 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.26 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

Tgt Ion:248 Resp: 10480
 Ion Ratio Lower Upper
 248 100
 250 205.1 77.4 116.0#
 141 686.5 63.6 95.4#





#74

Fluoranthene

Concen: 3.33 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

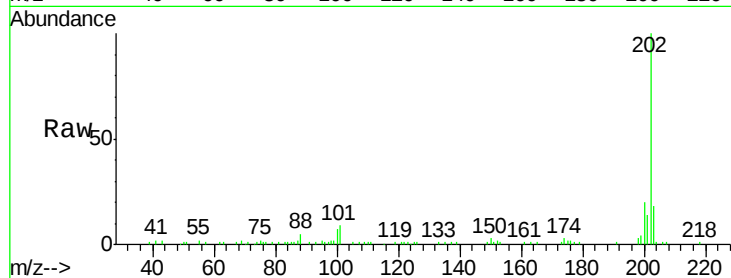
Tgt Ion: 202 Resp: 56697

Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.6

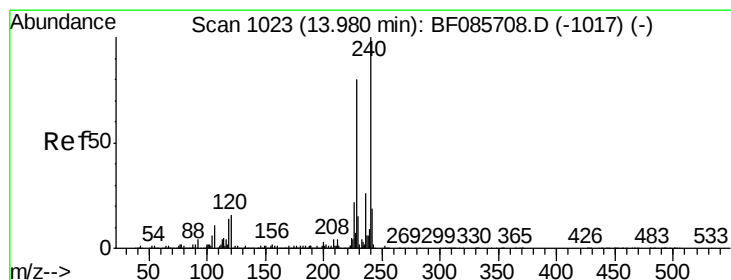
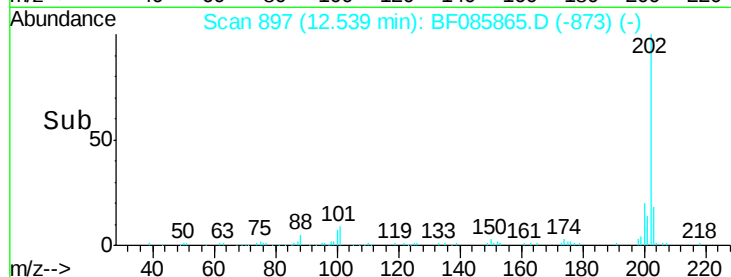
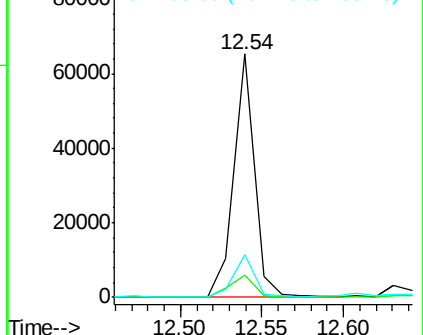
203 17.6 0.0 38.1



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: BF085865.D

Acq: 29 Mar 2016 22:54

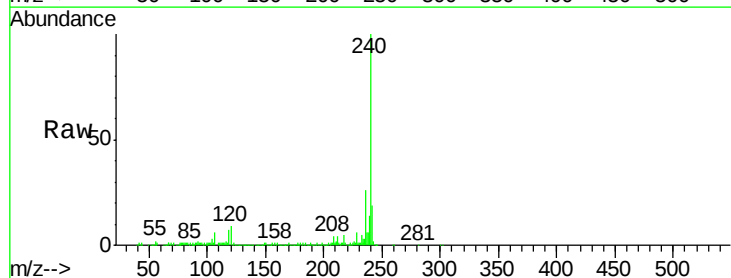
Tgt Ion: 240 Resp: 233288

Ion Ratio Lower Upper

240 100

120 8.5 13.8 20.8#

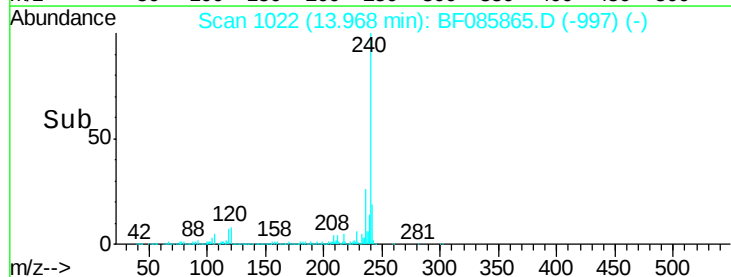
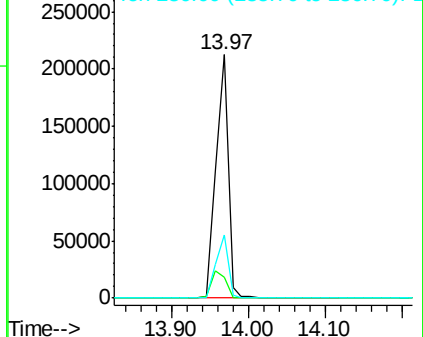
236 25.9 20.6 30.8

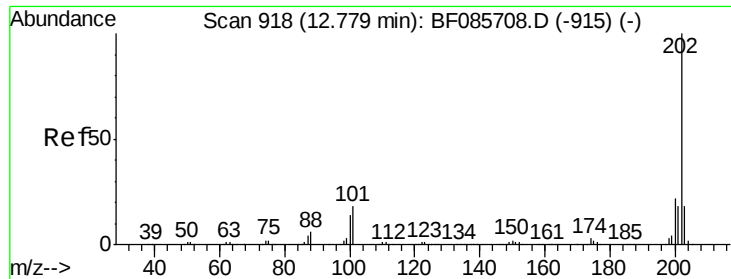


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

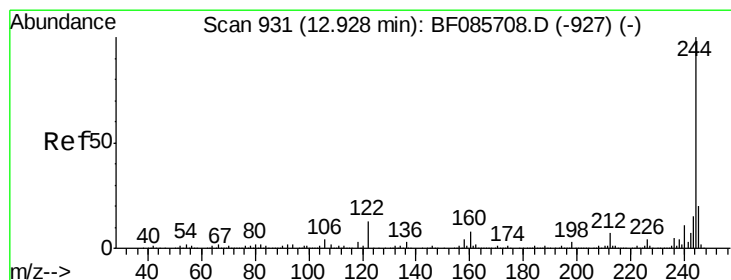
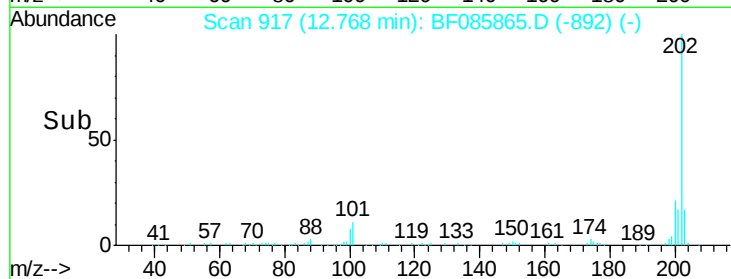
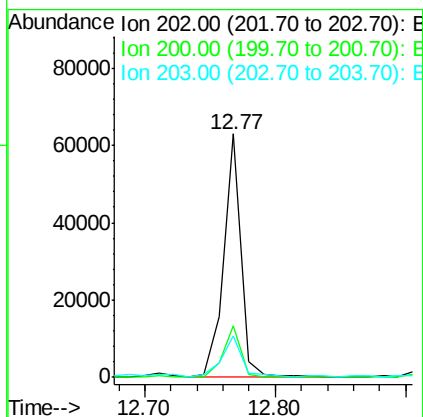
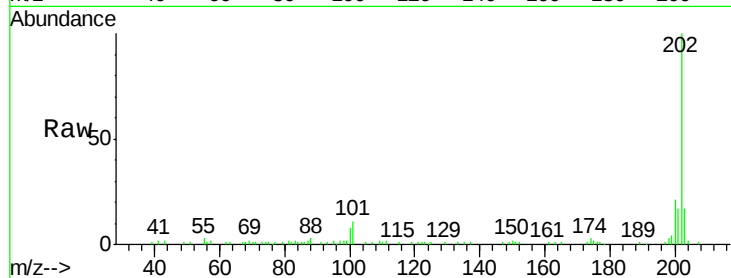




#77
 Pyrene
 Concen: 3.05 ng
 RT: 12.77 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

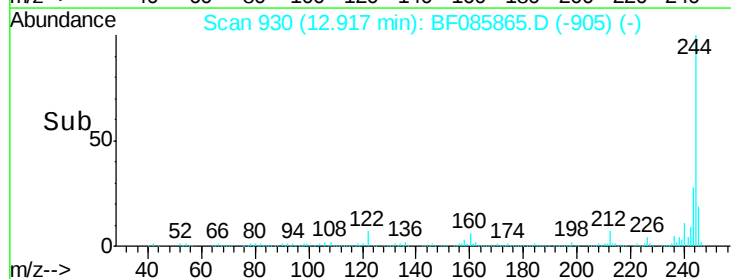
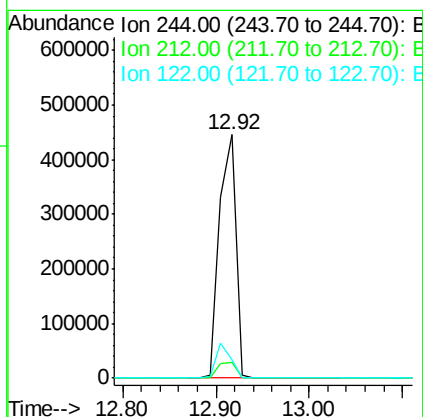
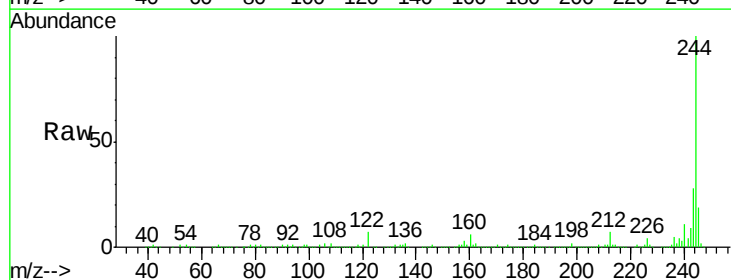
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

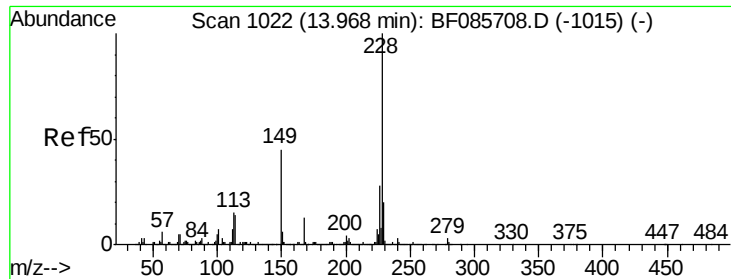
Tgt Ion: 202 Resp: 58483
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.6 26.4
 203 16.8 14.0 21.0



#78
 Terphenyl-d14
 Concen: 48.05 ng
 RT: 12.92 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF085865.D
 Acq: 29 Mar 2016 22:54

Tgt Ion: 244 Resp: 545099
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 7.5 10.2 15.4#





#80

Benzo(a)anthracene

Concen: 5.10 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

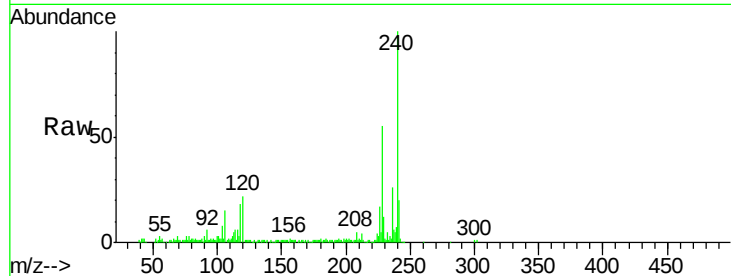
Tgt Ion:228 Resp: 67781

Ion Ratio Lower Upper

228 100

226 30.7 22.1 33.1

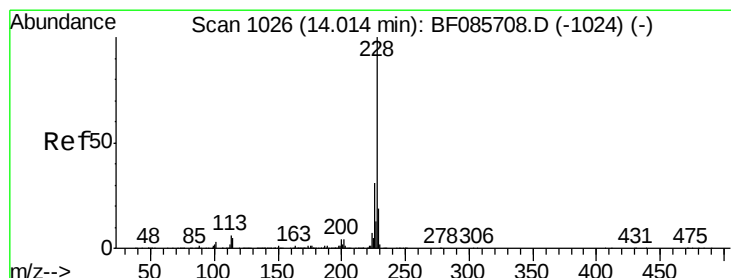
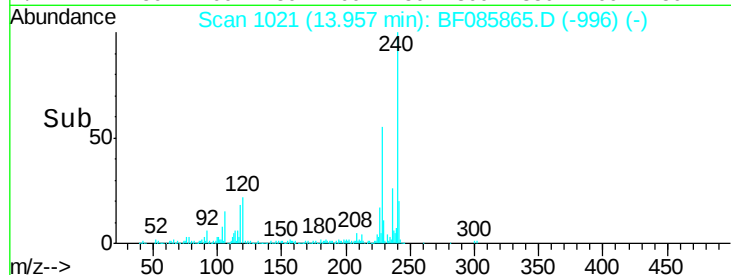
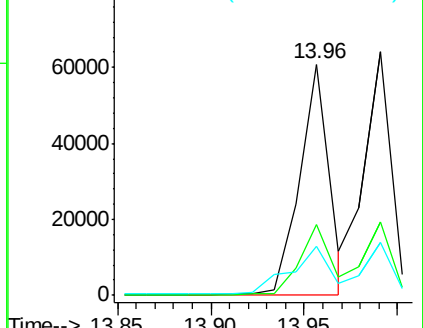
229 21.3 16.2 24.4



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



#82

Chrysene

Concen: 5.06 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

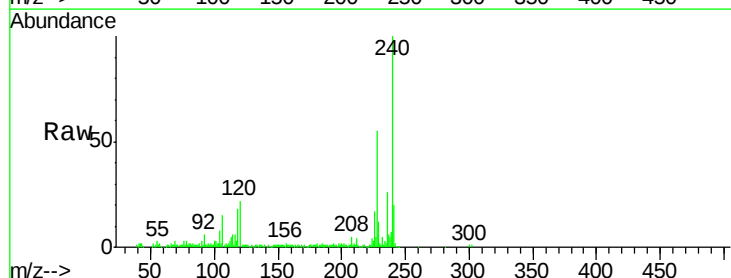
Tgt Ion:228 Resp: 67781

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

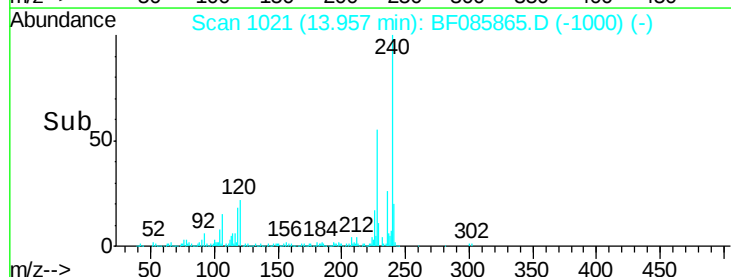
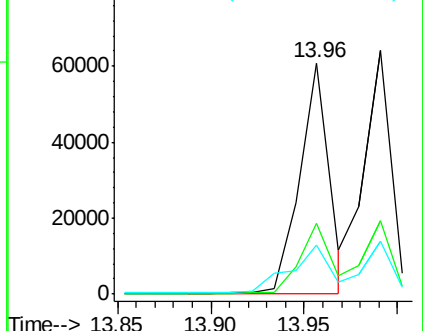
229 21.3 15.7 23.5

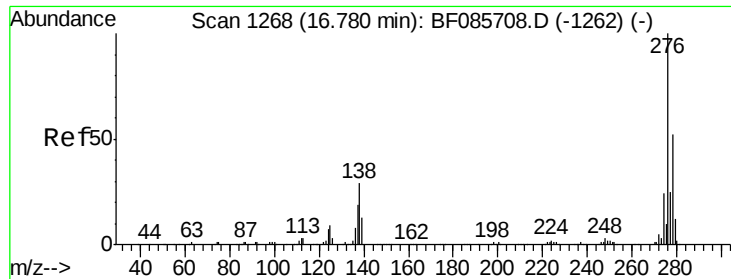


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.25 ng

RT: 16.76 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

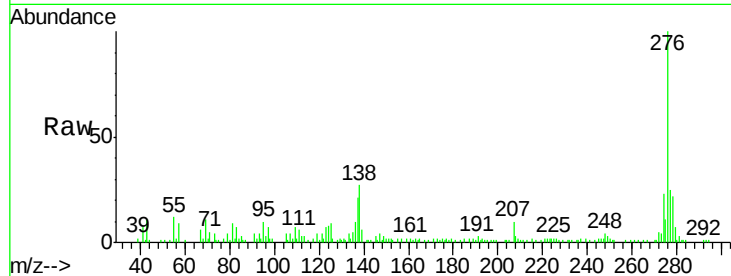
Tgt Ion:276 Resp: 64622

Ion Ratio Lower Upper

276 100

138 24.3 24.2 36.4

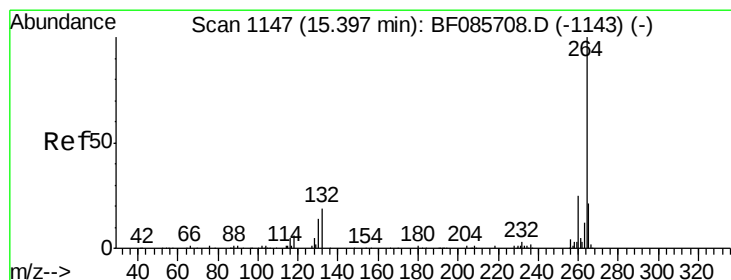
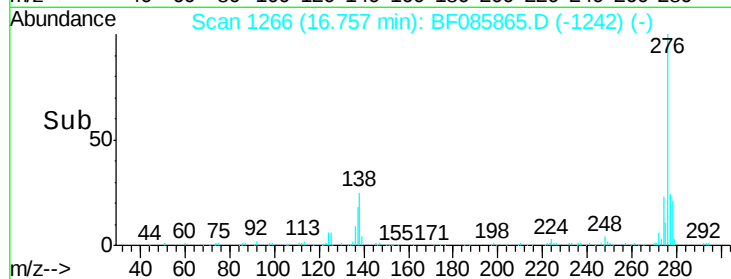
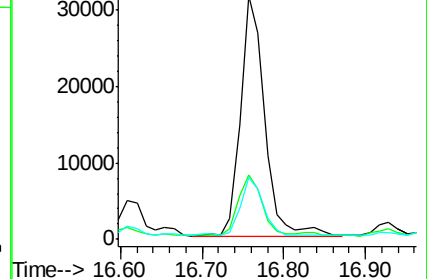
277 22.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

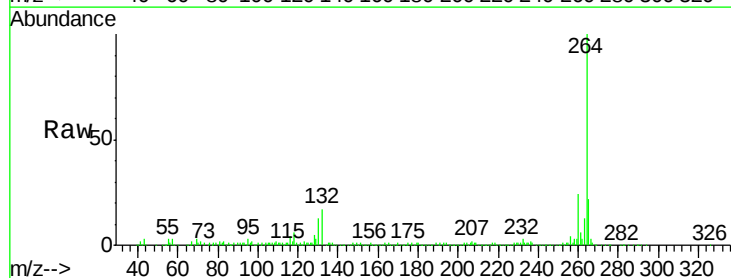
Tgt Ion:264 Resp: 226560

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

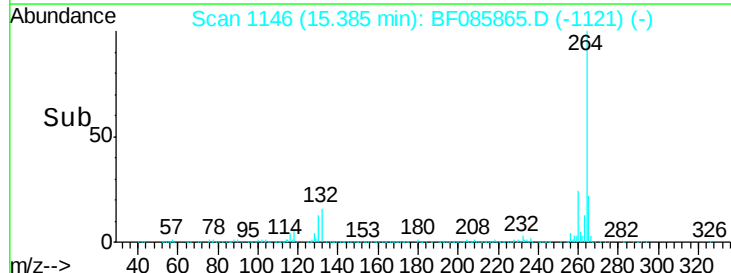
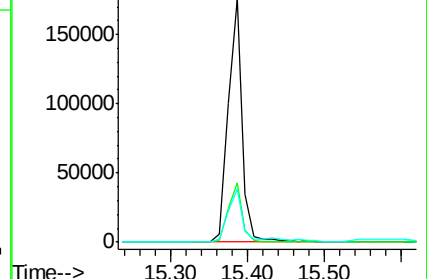
265 21.9 17.2 25.8

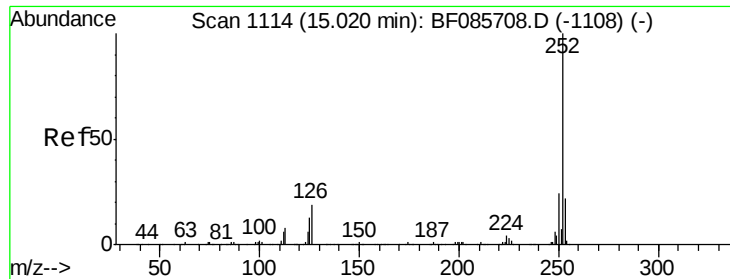


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.75 ng

RT: 14.99 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

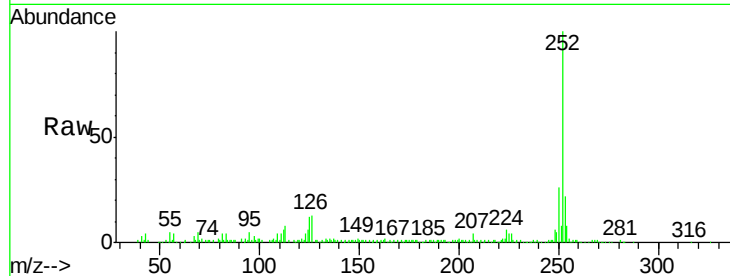
Instrument :

BNA_F

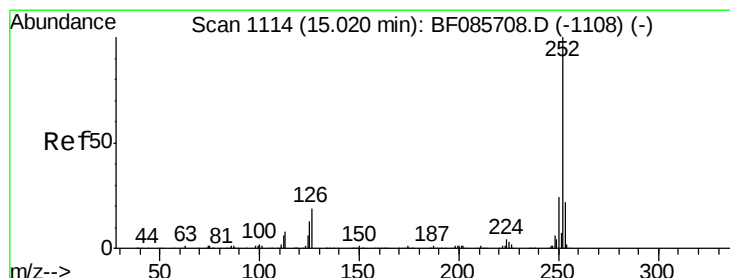
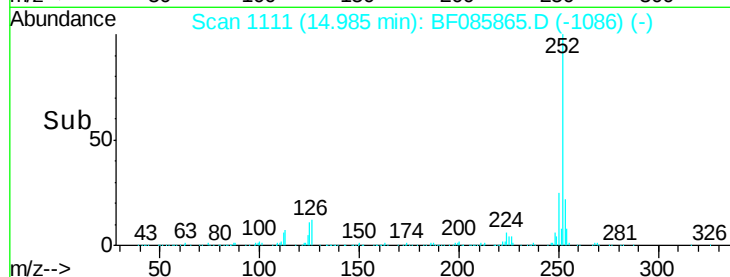
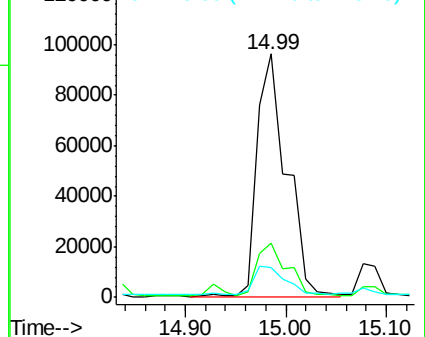
ClientSampleId :

TP-8

Tgt Ion:	252	Resp:	196308
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.5	10.3	15.5



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



#88

Benzo(k)fluoranthene

Concen: 15.26 ng

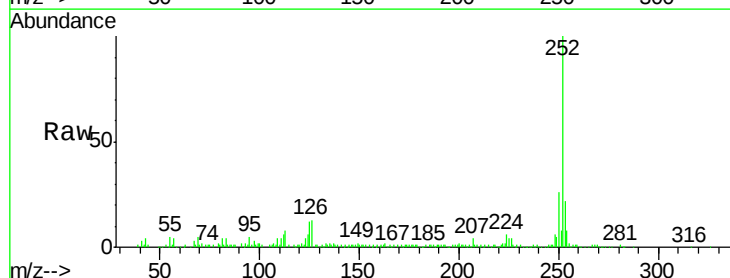
RT: 14.99 min Scan# 1111

Delta R.T. -0.03 min

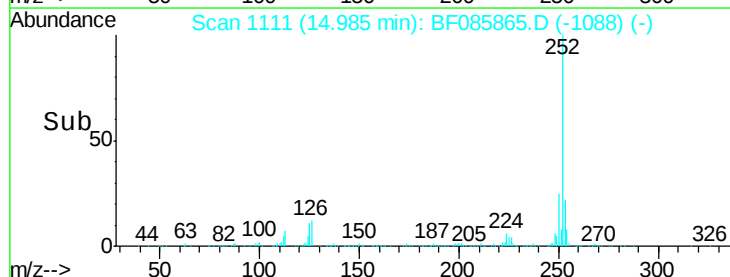
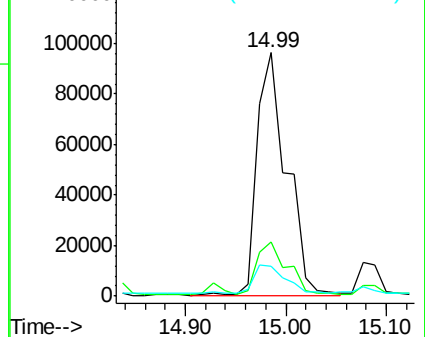
Lab File: BF085865.D

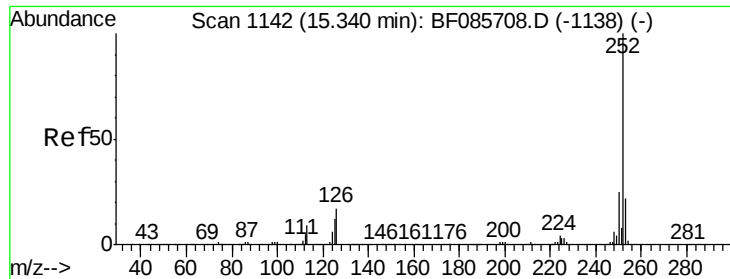
Acq: 29 Mar 2016 22:54

Tgt Ion:	252	Resp:	196308
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	12.5	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





#89

Benzo(a)pyrene

Concen: 7.69 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

Instrument :

BNA_F

ClientSampleId :

TP-8

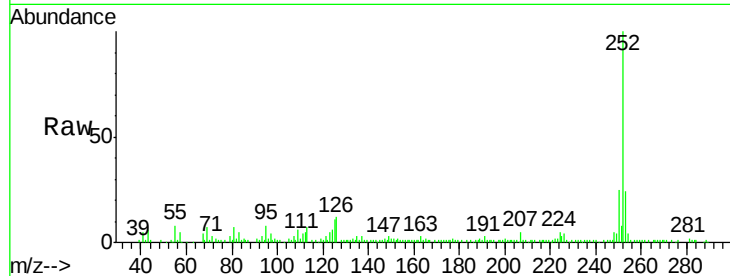
Tgt Ion:252 Resp: 97495

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

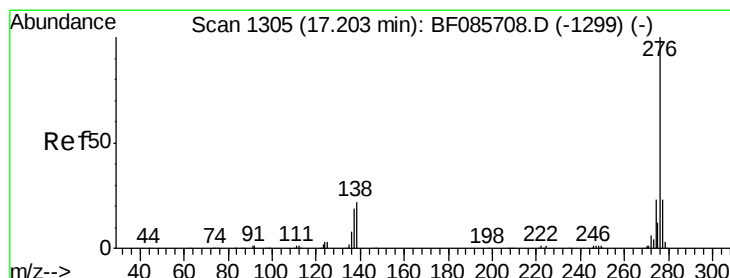
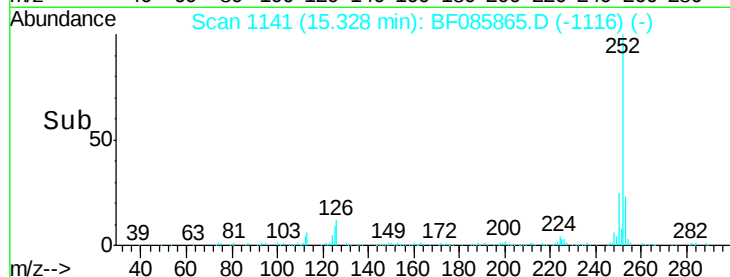
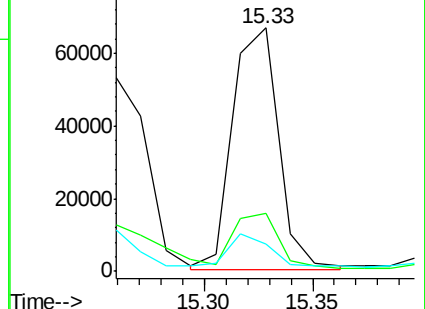
125 11.0 10.3 15.5



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



#91

Benzo(g,h,i)perylene

Concen: 5.06 ng

RT: 17.18 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF085865.D

Acq: 29 Mar 2016 22:54

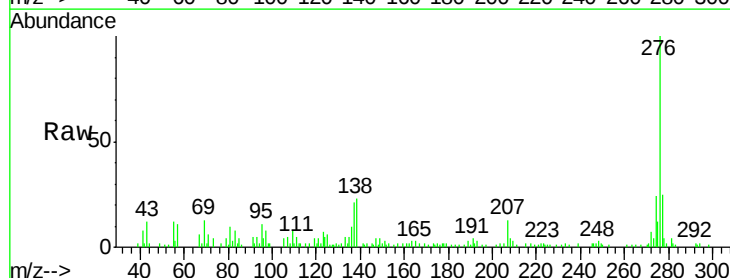
Tgt Ion:276 Resp: 60362

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 23.4 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

