

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087765.D
 Acq On : 6 Jun 2016 21:50
 Operator : UM/SJ
 Sample : H3371-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Quant Time: Jun 07 01:17:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

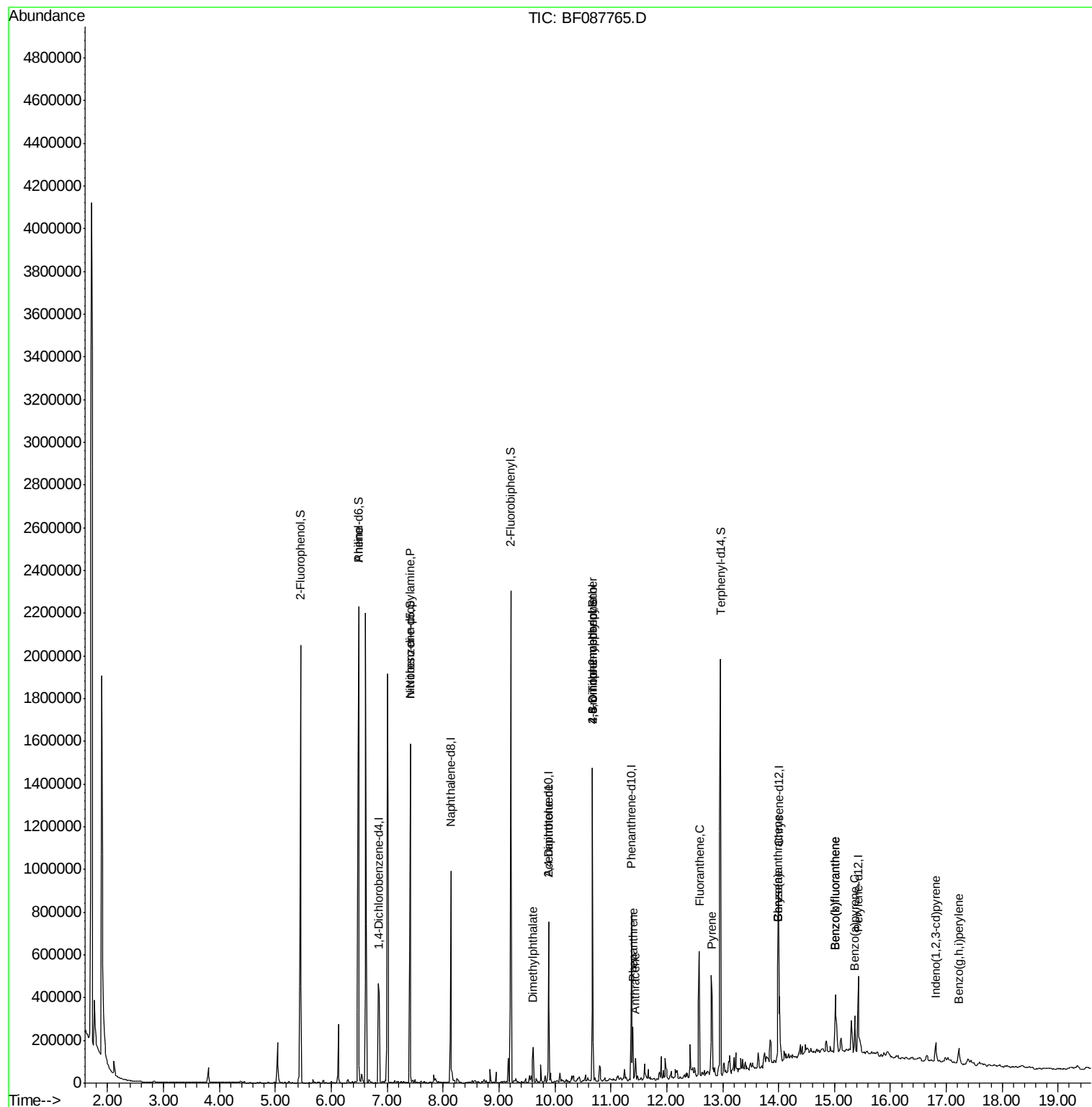
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105439	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	430561	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	169077	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	282742	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	208786	20.00	ng	-0.02
86) Perylene-d12	15.43	264	164102	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	673718	103.28	ng	0.00
7) Phenol-d6	6.49	99	999848	122.22	ng	0.00
23) Nitrobenzene-d5	7.42	82	543239	73.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	165141	97.30	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	935340	84.87	ng	-0.02
78) Terphenyl-d14	12.96	244	711556	83.16	ng	-0.01
Target Compounds						Qvalue
6) Aniline	6.49	93	28883	2.49	ng	# 14
19) n-Nitroso-di-n-propylamine	7.42	70	74007	14.48	ng	# 74
49) Dimethylphthalate	9.61	163	82819	6.74	ng	98
56) 2,4-Dinitrotoluene	9.88	165	21780	6.12	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.67	198	358	2.23	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	10207	3.64	ng	# 1
70) Phenanthrene	11.39	178	92881	6.06	ng	98
71) Anthracene	11.44	178	40530	2.64	ng	99
74) Fluoranthene	12.58	202	283971	18.82	ng	94
77) Pyrene	12.81	202	262824	17.68	ng	97
80) Benzo(a)anthracene	13.99	228	152365	12.64	ng	94
82) Chrysene	13.99	228	152365	12.70	ng	99
85) Indeno(1,2,3-cd)pyrene	16.81	276	56782	5.73	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	191460	17.94	ng	# 95
88) Benzo(k)fluoranthene	15.02	252	191460	21.56	ng	100
89) Benzo(a)pyrene	15.36	252	88222	9.83	ng	96
91) Benzo(g,h,i)perylene	17.22	276	53796	6.98	ng	98

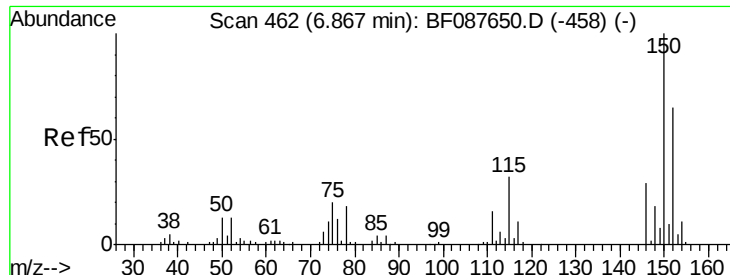
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)

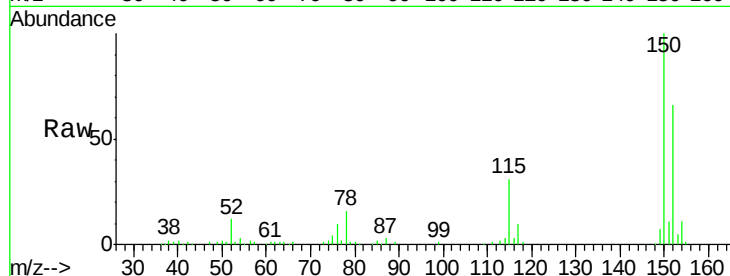
Tgt Ion:152 Resp: 105439

Ion Ratio Lower Upper

152 100

150 150.9 123.8 185.6

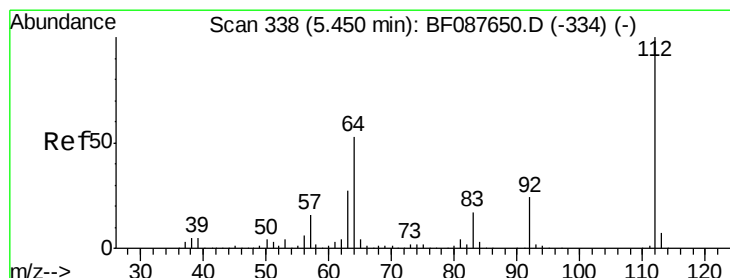
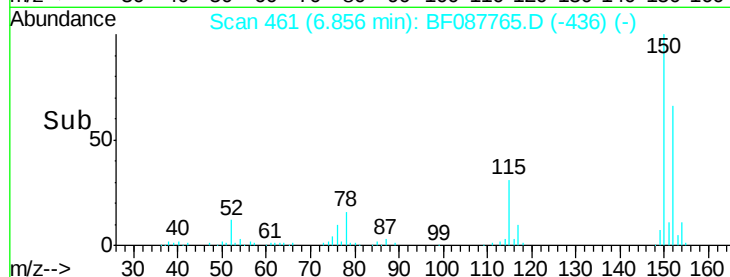
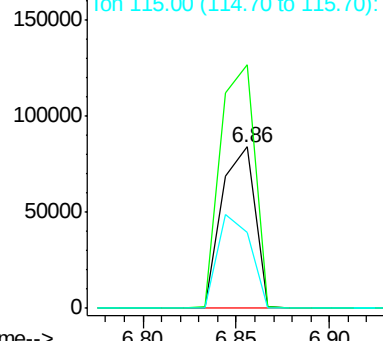
115 47.3 39.6 59.4



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: 103.28 ng

RT: 5.45 min Scan# 338

Delta R.T. -0.00 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

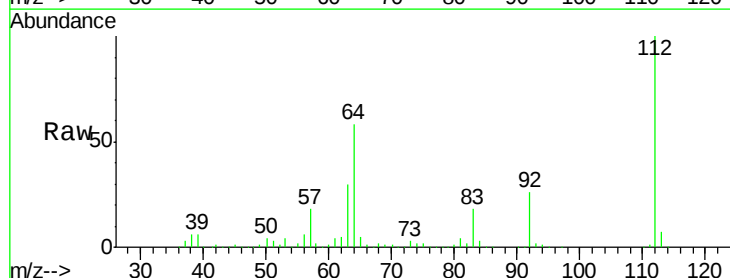
Tgt Ion:112 Resp: 673718

Ion Ratio Lower Upper

112 100

64 58.1 42.2 63.2

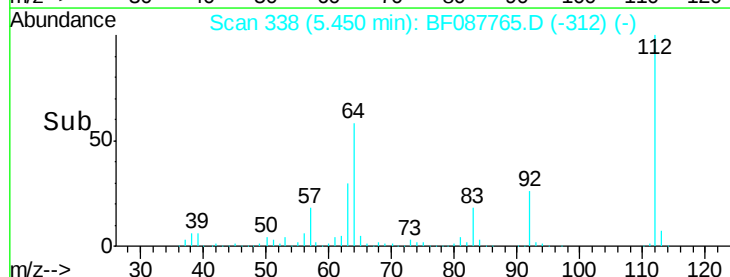
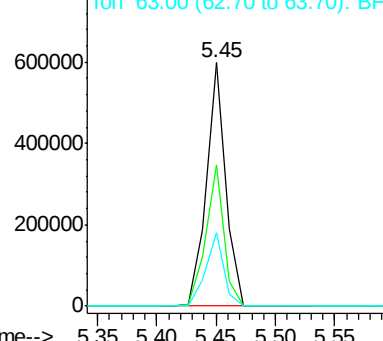
63 30.3 21.8 32.8

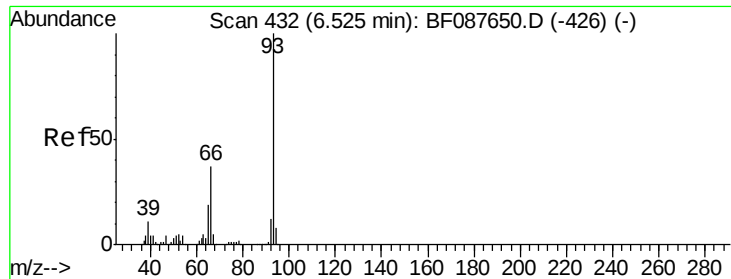


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.49 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)

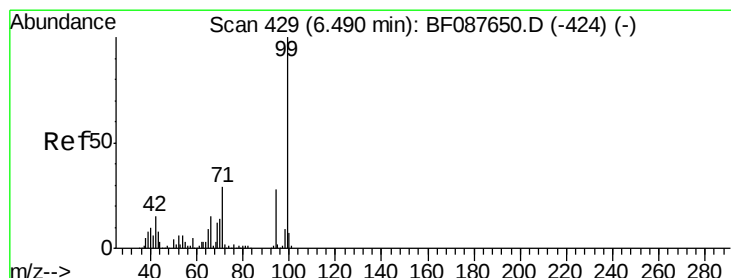
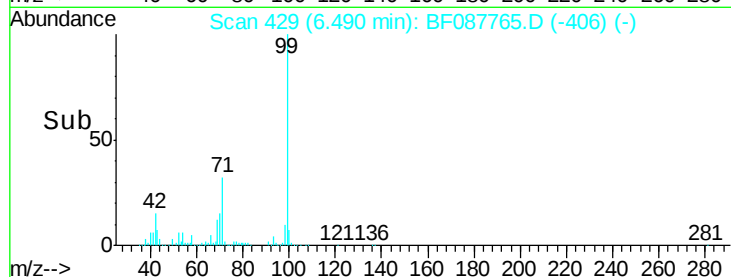
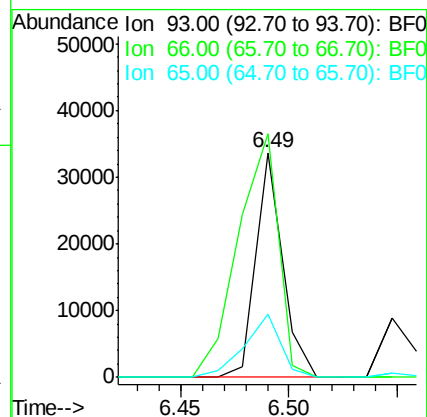
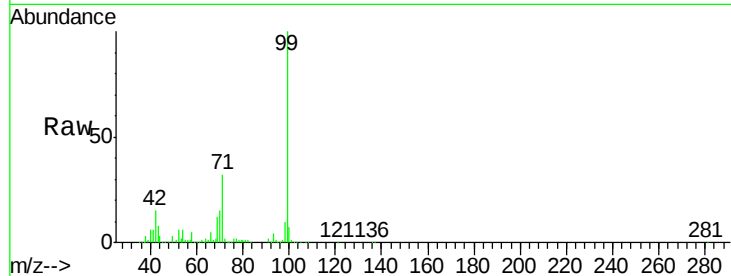
Tgt Ion: 93 Resp: 28883

Ion Ratio Lower Upper

93 100

66 108.4 29.8 44.8#

65 28.0 14.9 22.3#



#7

Phenol-d6

Concen: 122.22 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

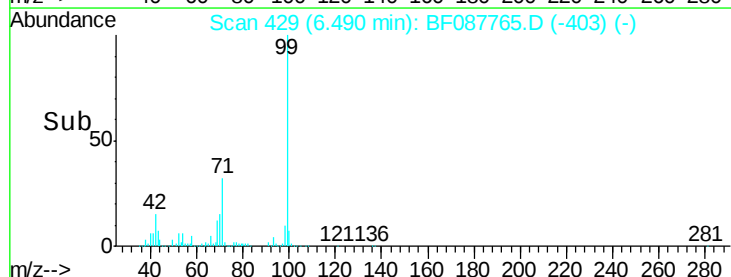
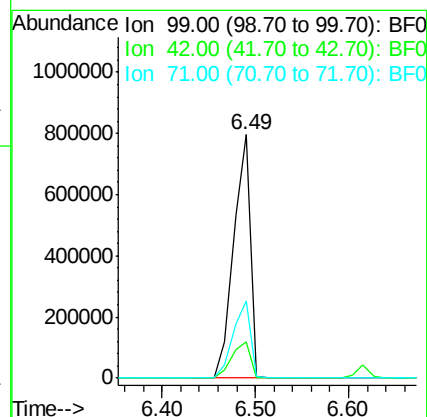
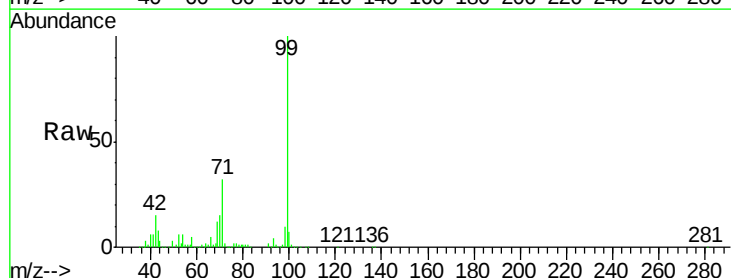
Tgt Ion: 99 Resp: 999848

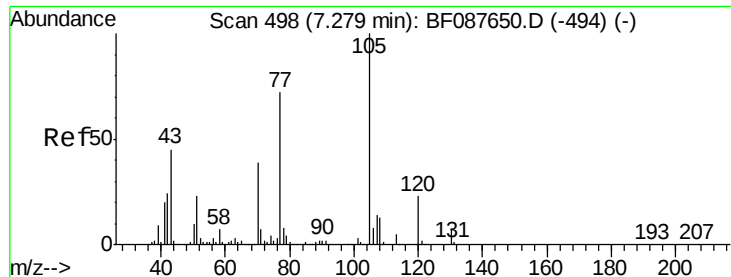
Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

71 31.9 23.4 35.0

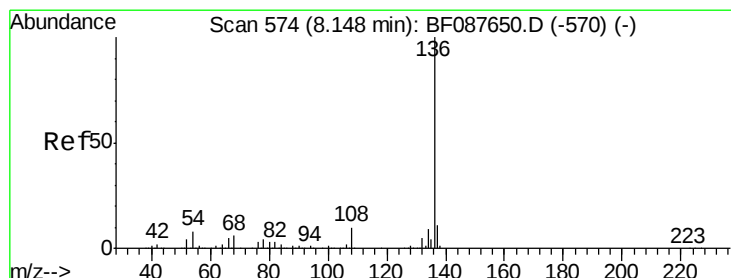
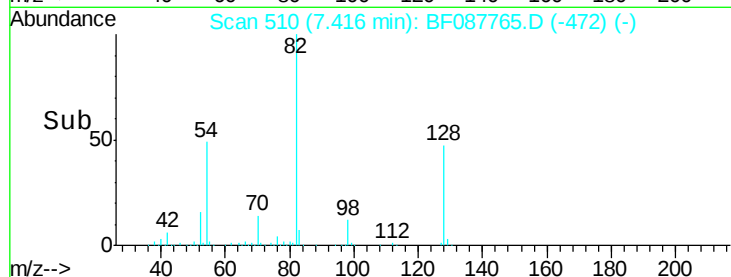
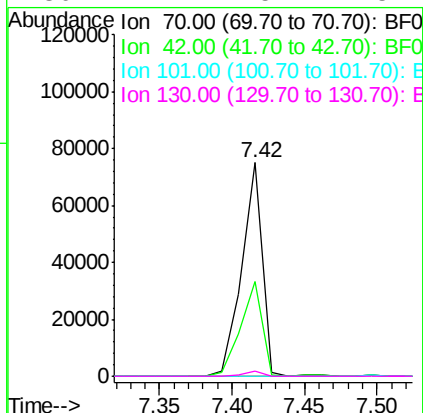
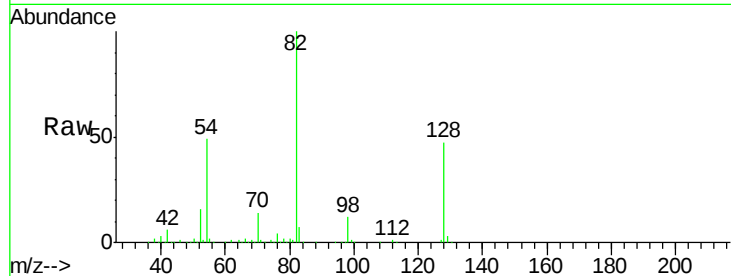




#19
n-Nitroso-di-n-propylamine
Concen: 14.48 ng
RT: 7.42 min Scan# 510
Delta R.T. 0.14 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

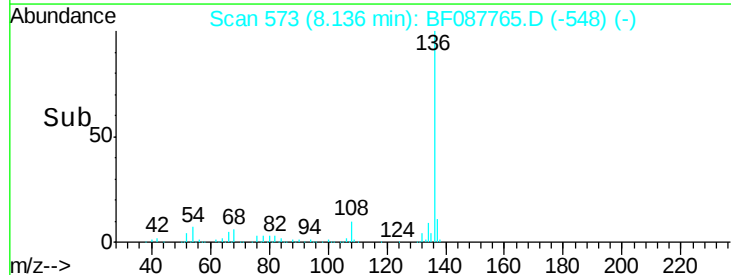
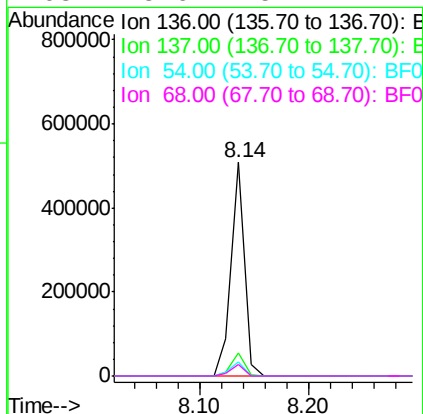
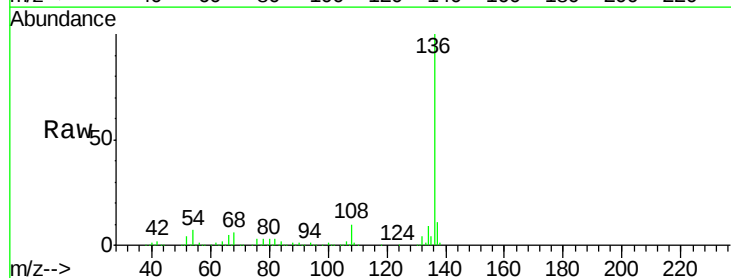
Instrument :
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CH-STA-1725(0-4)

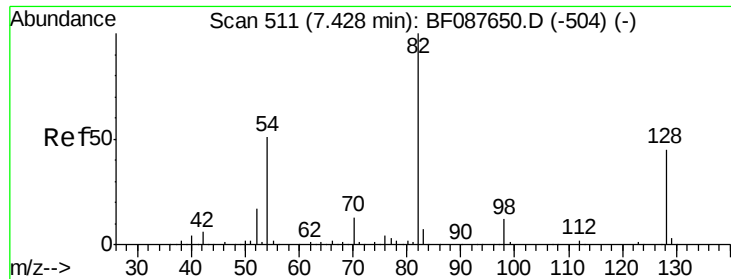
Tgt Ion: 70 Resp: 74007
Ion Ratio Lower Upper
70 100
42 44.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion: 136 Resp: 430561
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.9 6.6 10.0
68 5.6 5.1 7.7

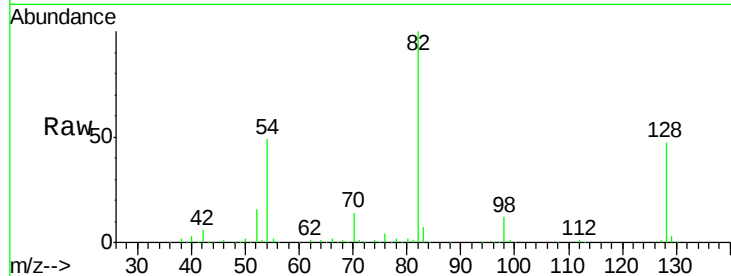




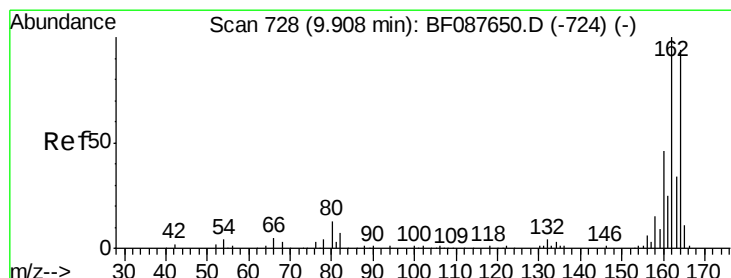
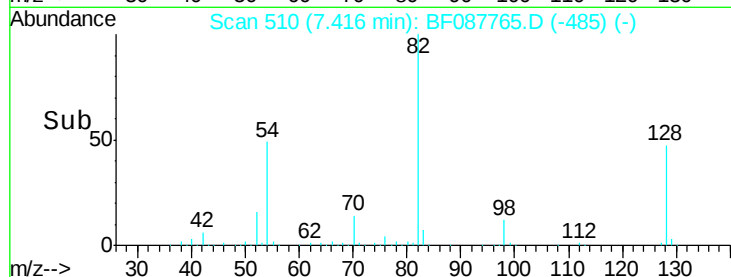
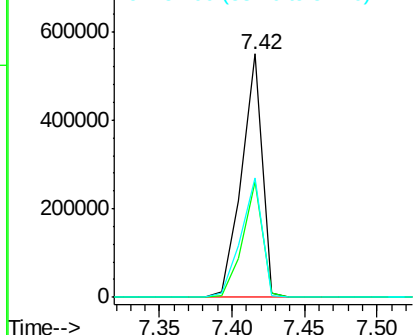
#23
 Nitrobenzene-d5
 Concen: 73.00 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Tgt Ion: 82 Resp: 543239
 Ion Ratio Lower Upper
 82 100
 128 47.4 35.9 53.9
 54 49.1 40.9 61.3

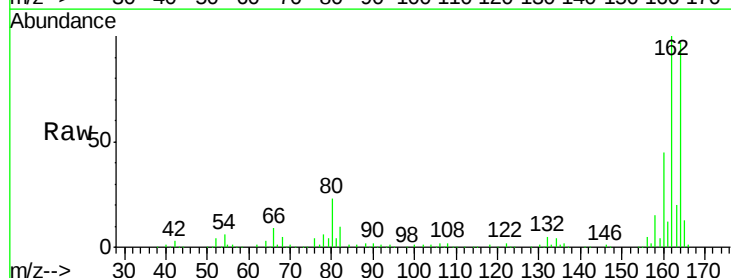


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

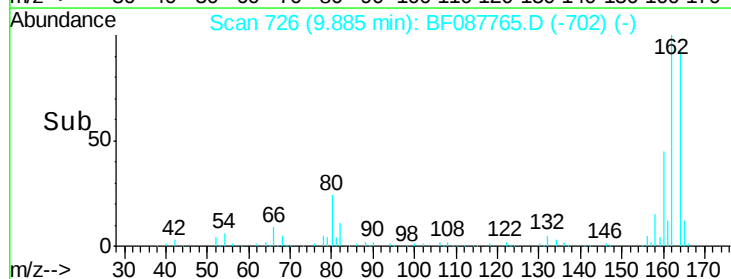
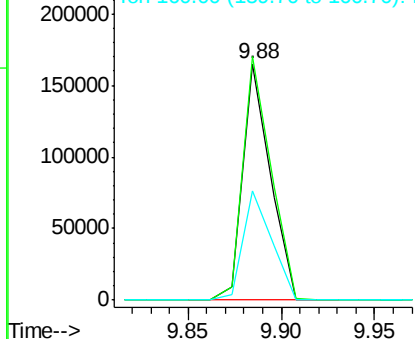


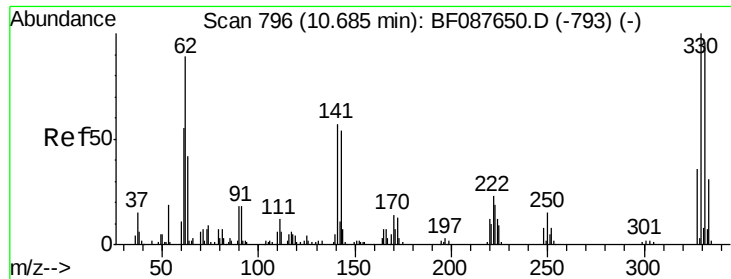
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion: 164 Resp: 169077
 Ion Ratio Lower Upper
 164 100
 162 103.0 85.4 128.2
 160 46.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

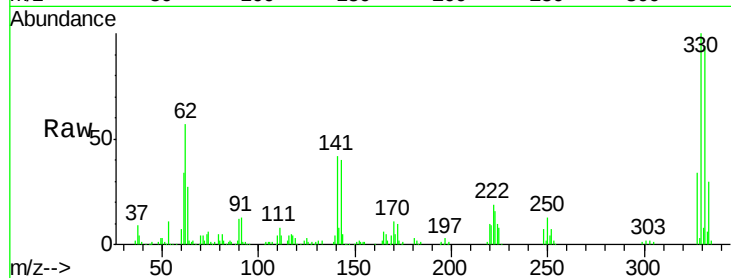




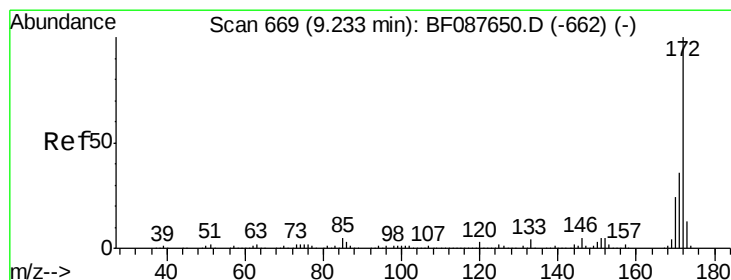
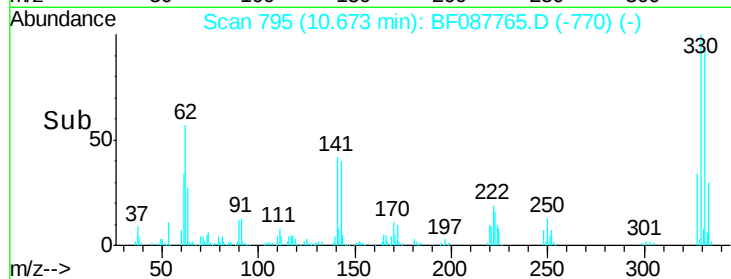
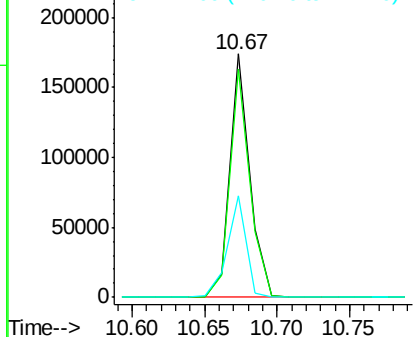
#41
 2,4,6-Tribromophenol
 Concen: 97.30 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Tgt Ion: 330 Resp: 165141
 Ion Ratio Lower Upper
 330 100
 332 94.3 0.0 0.0#
 141 40.2 0.0 0.0#

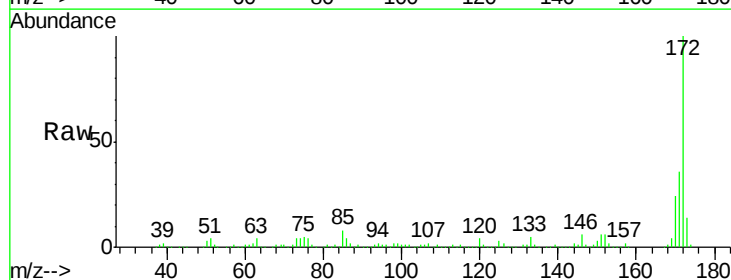


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

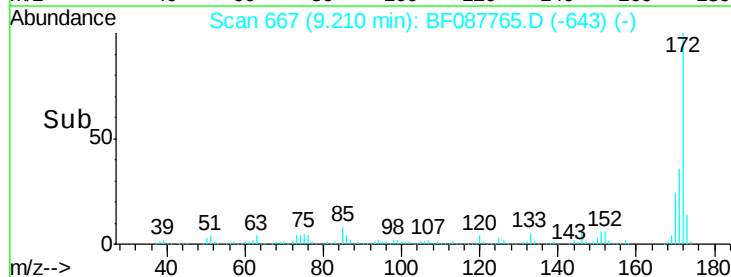
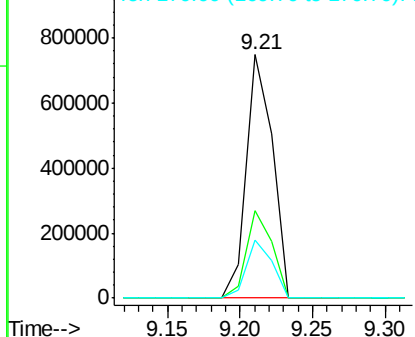


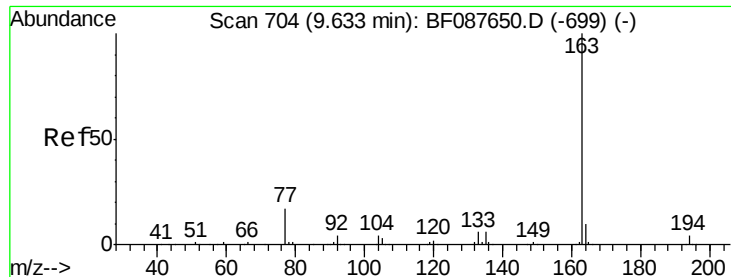
#44
 2-Fluorobiphenyl
 Concen: 84.87 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion: 172 Resp: 935340
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.8 19.2 28.8



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

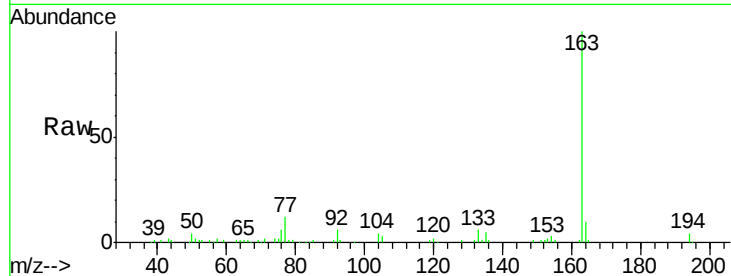




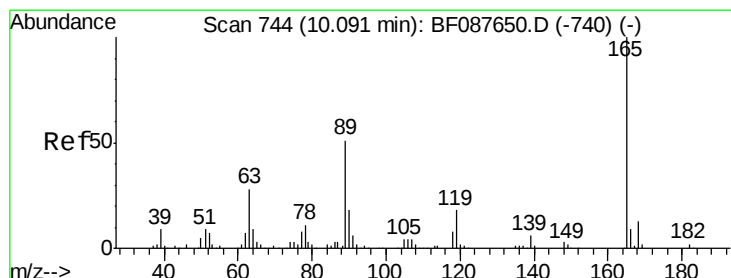
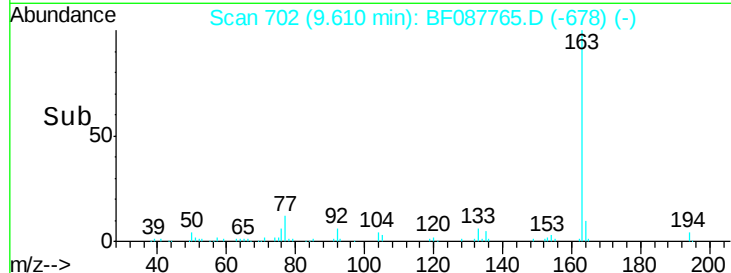
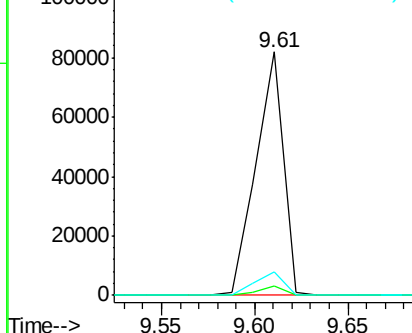
#49
Dimethylphthalate
Concen: 6.74 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

Tgt Ion:163 Resp: 82819
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.7 8.3 12.5

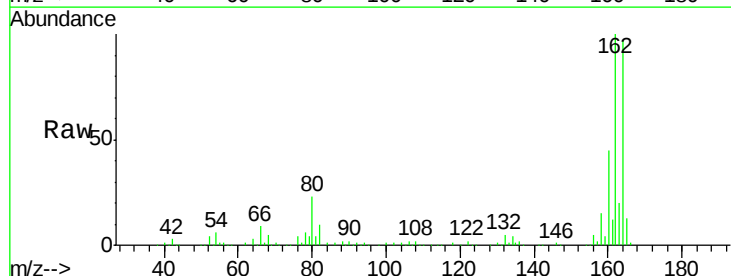


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

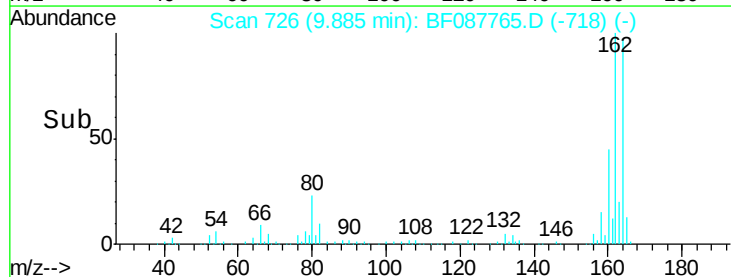
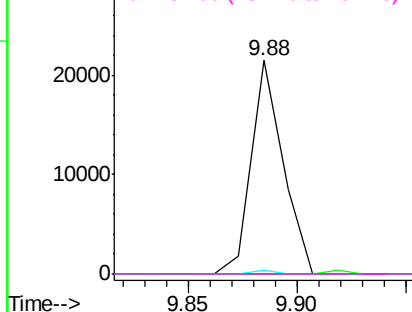


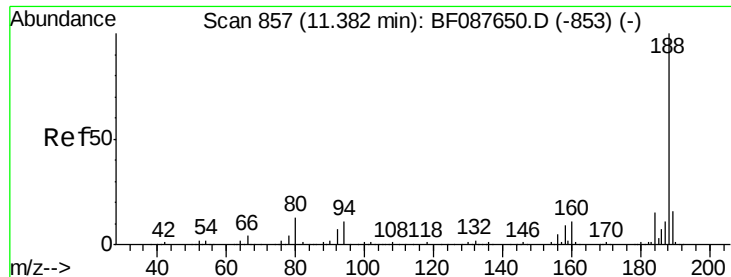
#56
2,4-Dinitrotoluene
Concen: 6.12 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.21 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion:165 Resp: 21780
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 1.8 41.1 61.7#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

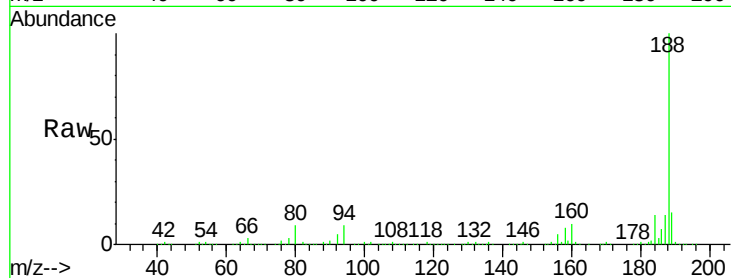




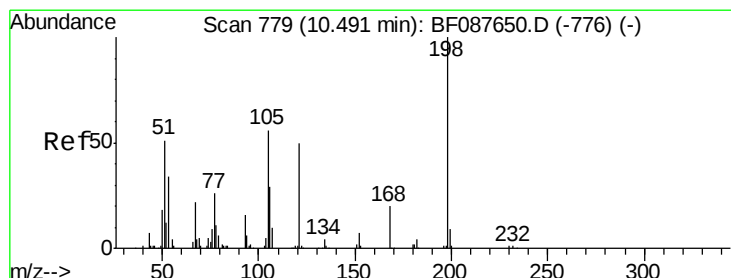
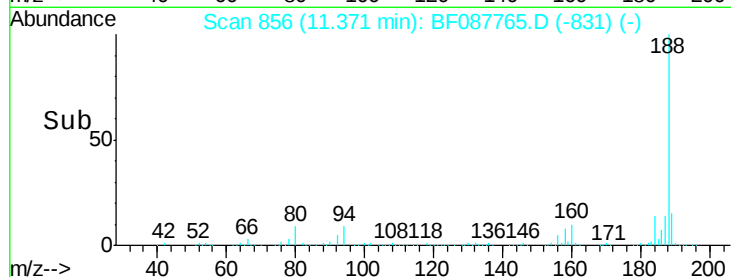
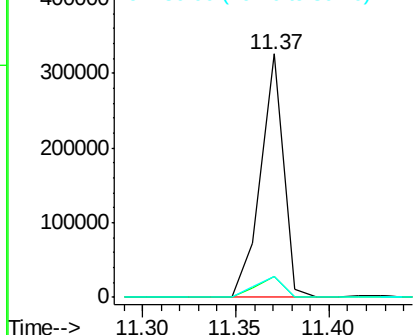
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Instrument :
BNA_F
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CH-STA-1725(0-4)

Tgt Ion:188 Resp: 282742
Ion Ratio Lower Upper
188 100
94 8.5 9.0 13.6#
80 8.8 10.0 15.0#

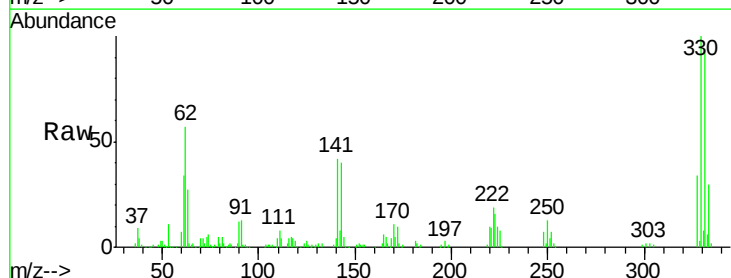


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

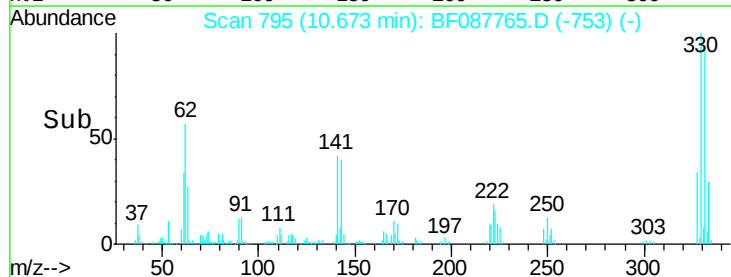
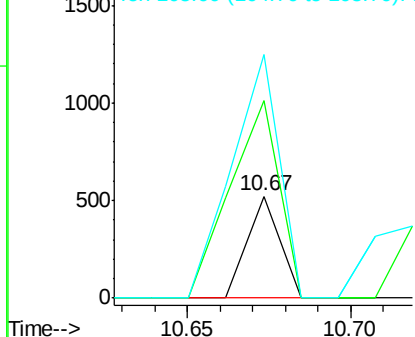


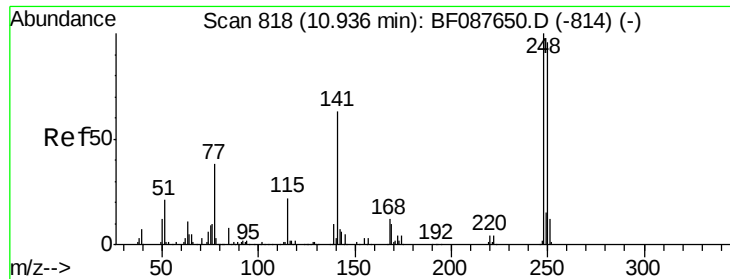
#64
4,6-Dinitro-2-methylphenol
Concen: 2.23 ng
RT: 10.67 min Scan# 795
Delta R.T. 0.18 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion:198 Resp: 358
Ion Ratio Lower Upper
198 100
51 193.9 39.6 79.6#
105 239.1 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

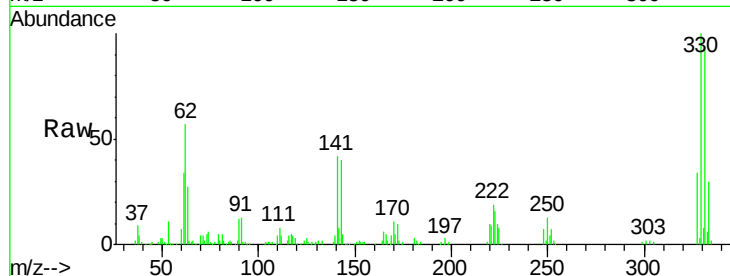




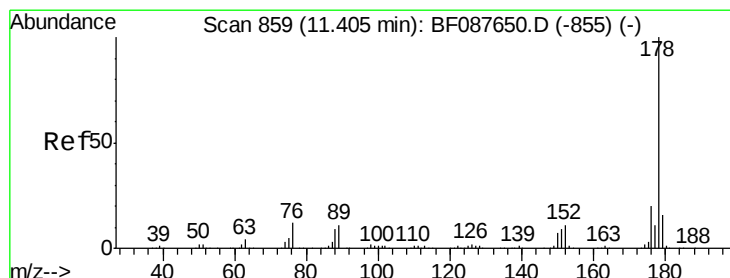
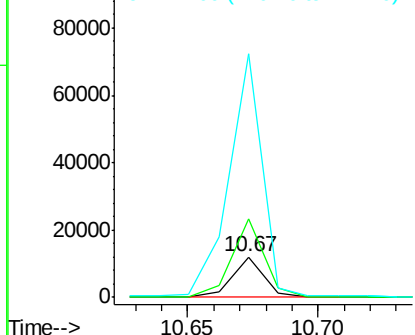
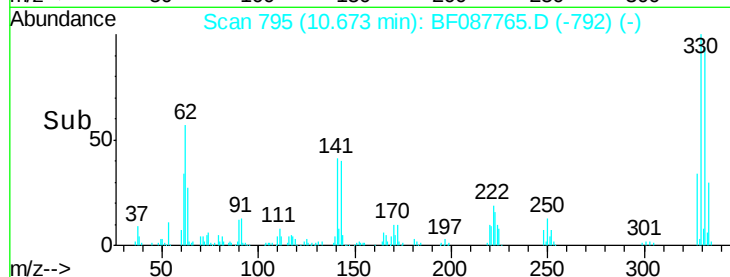
#66
 4-Bromophenyl-phenylether
 Concen: 3.64 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.26 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

Tgt Ion:248 Resp: 10207
 Ion Ratio Lower Upper
 248 100
 250 197.4 77.1 115.7#
 141 607.8 50.6 76.0#

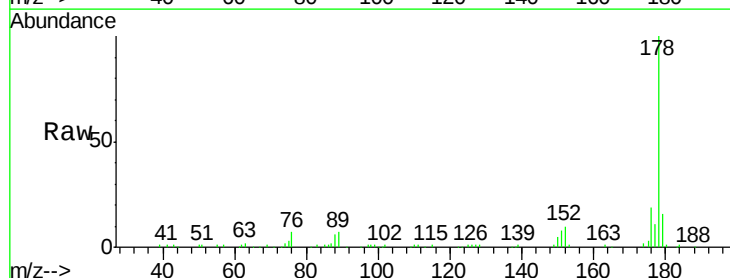


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

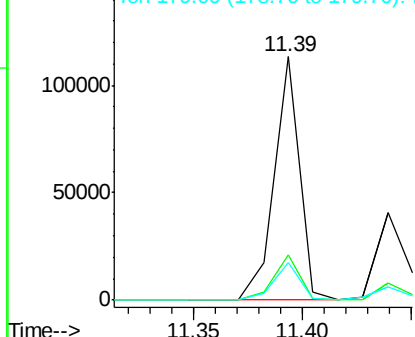
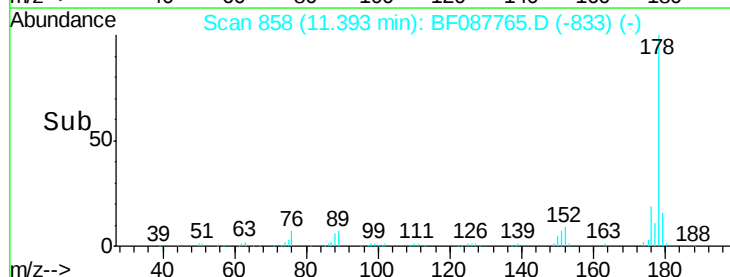


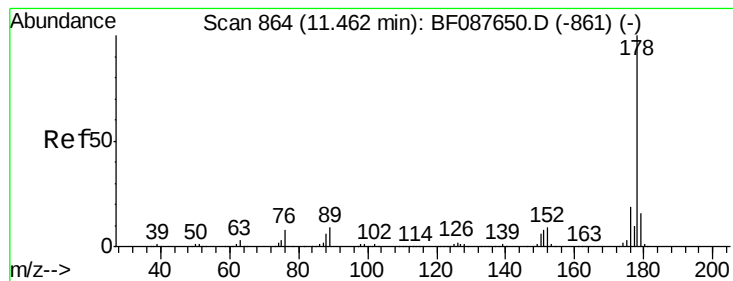
#70
 Phenanthrene
 Concen: 6.06 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion:178 Resp: 92881
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.6
 179 15.5 13.0 19.4



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





#71

Anthracene

Concen: 2.64 ng

RT: 11.44 min Scan# 862

Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)

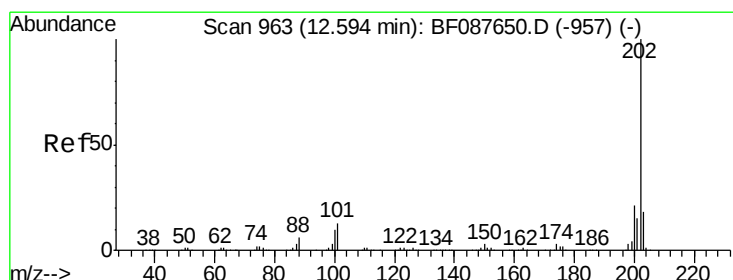
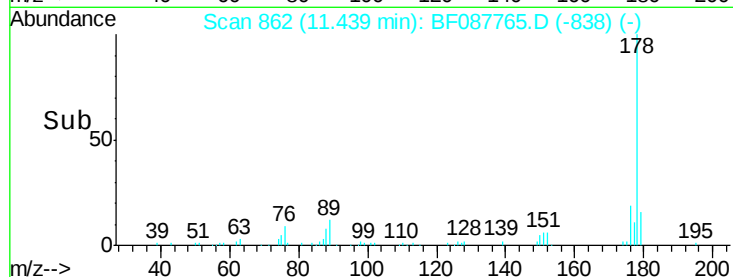
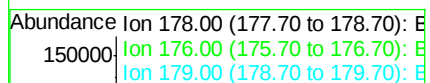
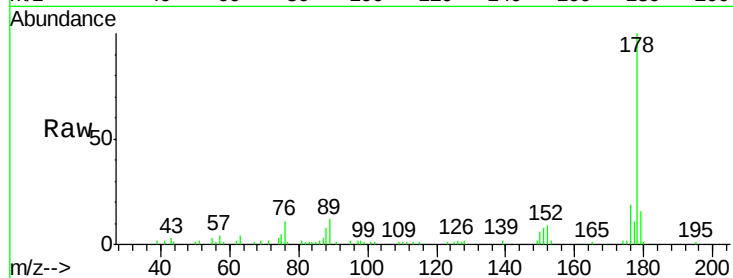
Tgt Ion:178 Resp: 40530

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 15.7 12.8 19.2



#74

Fluoranthene

Concen: 18.82 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

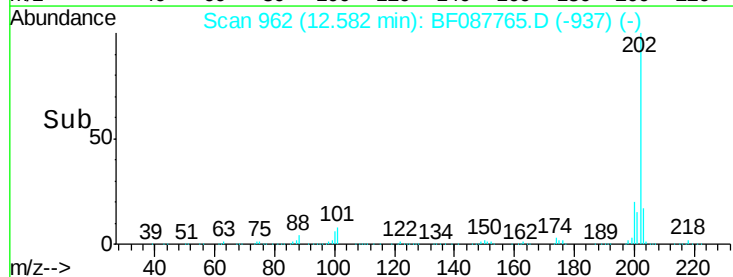
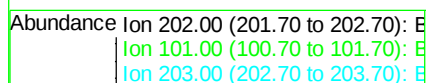
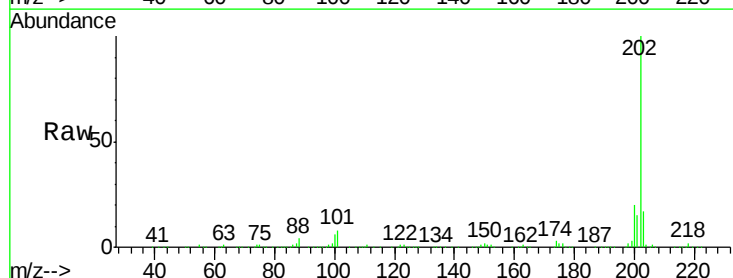
Tgt Ion:202 Resp: 283971

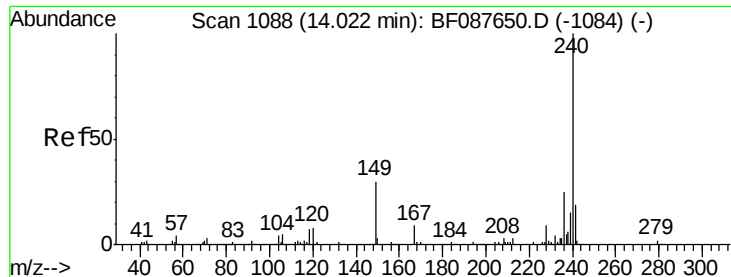
Ion Ratio Lower Upper

202 100

101 8.4 0.0 33.1

203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)

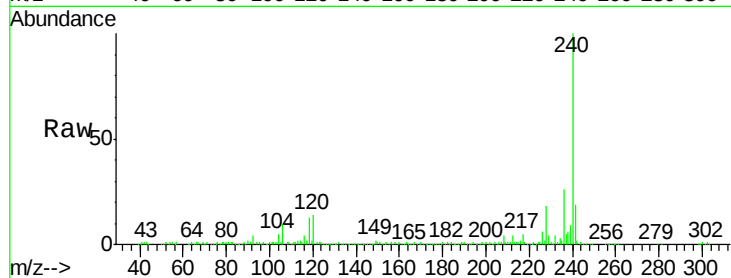
Tgt Ion:240 Resp: 208786

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

236 25.6 20.2 30.2



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

300000

250000

200000

150000

100000

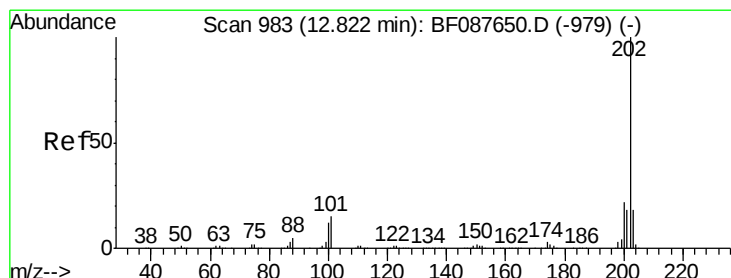
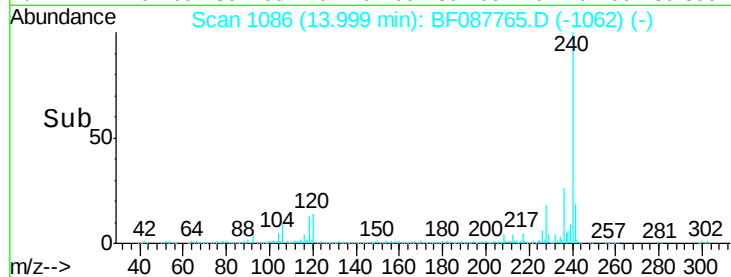
50000

0

14.00

14.10

Time-->



#77

Pyrene

Concen: 17.68 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

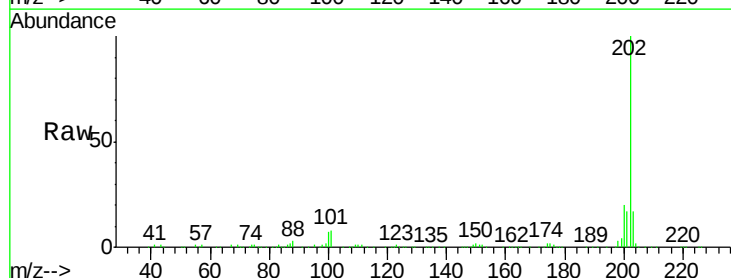
Tgt Ion:202 Resp: 262824

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 17.3 14.5 21.7



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

250000

200000

150000

100000

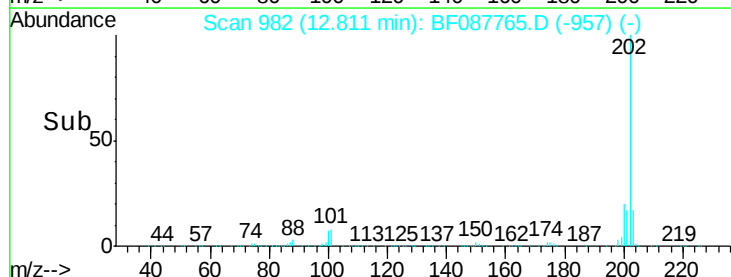
50000

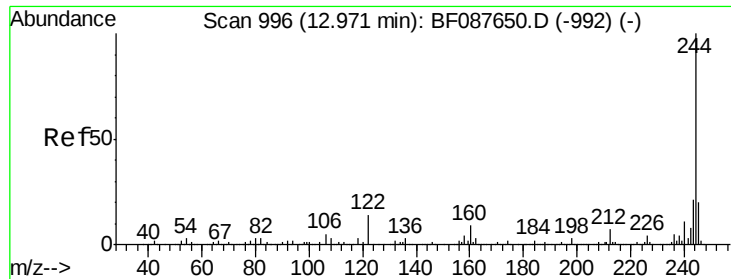
0

12.81

12.90

Time-->

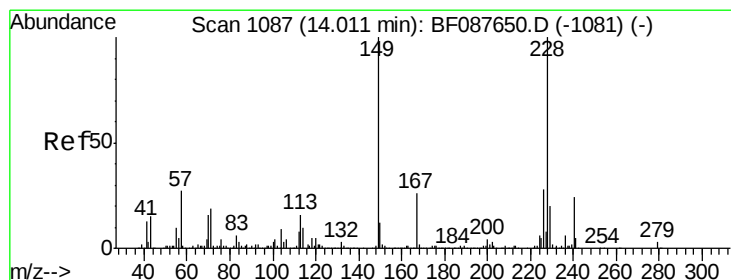
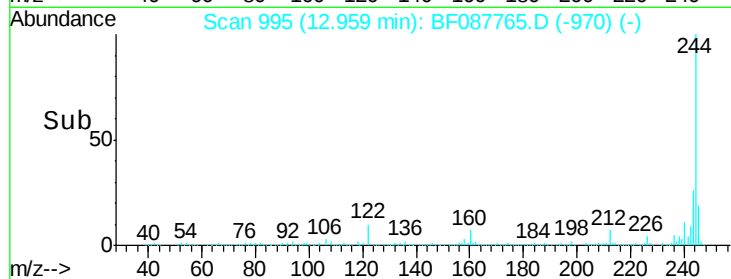
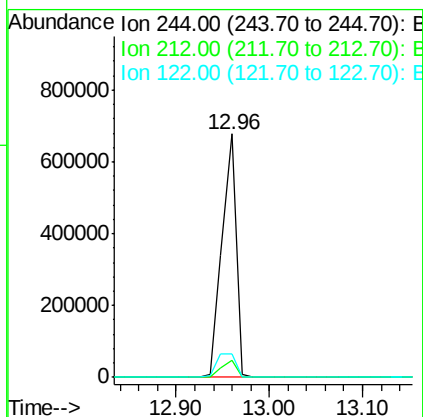
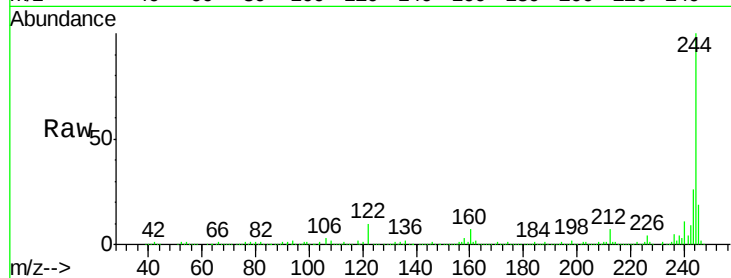




#78
 Terphenyl-d14
 Concen: 83.16 ng
 RT: 12.96 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

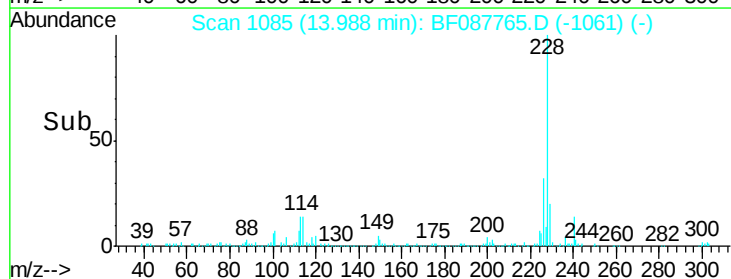
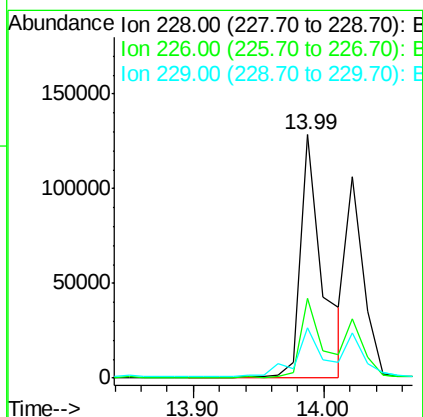
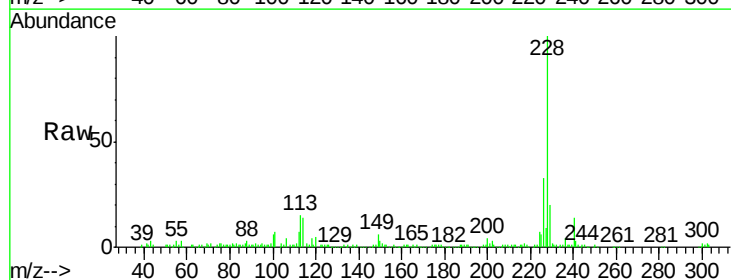
Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1725(0-4)

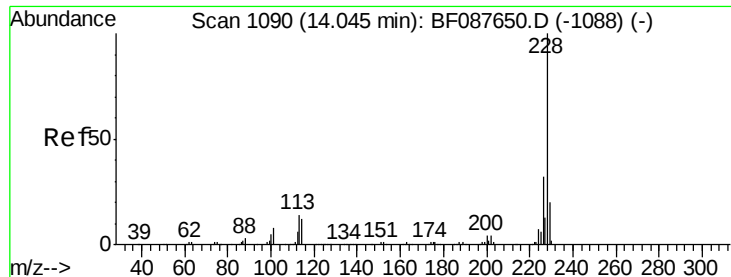
Tgt Ion:244 Resp: 711556
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.6 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 12.64 ng
 RT: 13.99 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BF087765.D
 Acq: 6 Jun 2016 21:50

Tgt Ion:228 Resp: 152365
 Ion Ratio Lower Upper
 228 100
 226 32.6 22.3 33.5
 229 20.5 16.0 24.0





#82

Chrysene

Concen: 12.70 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.06 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)

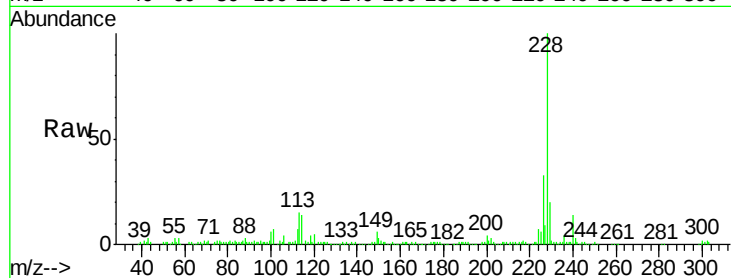
Tgt Ion:228 Resp: 152365

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.2

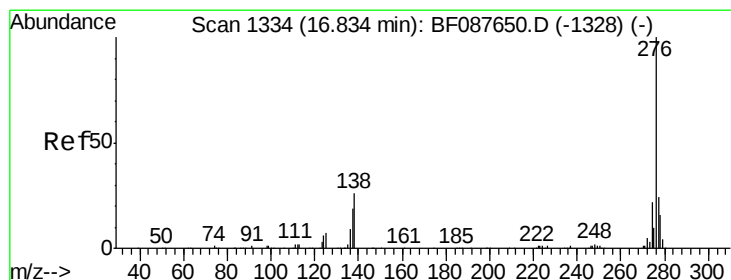
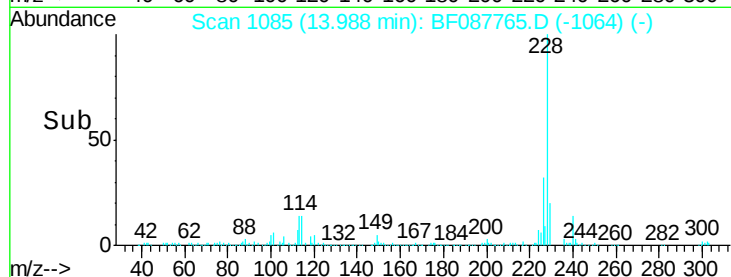
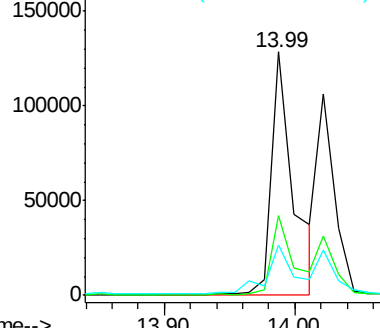
229 20.5 16.3 24.5



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: 5.73 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

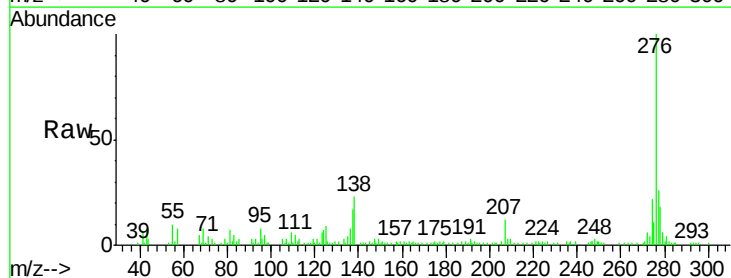
Tgt Ion:276 Resp: 56782

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

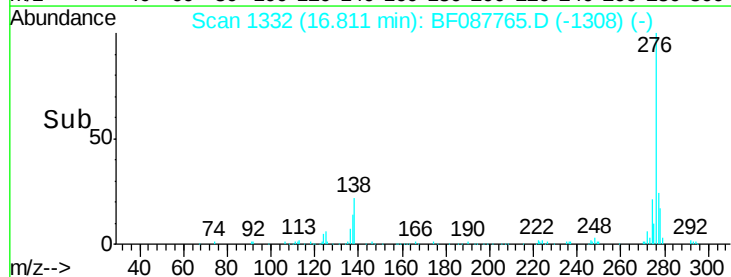
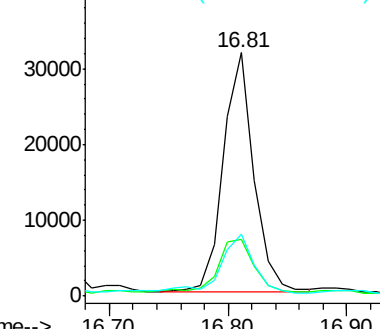
277 27.9 0.0 0.0#

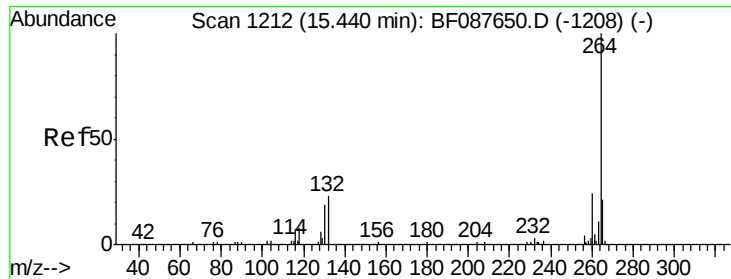


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

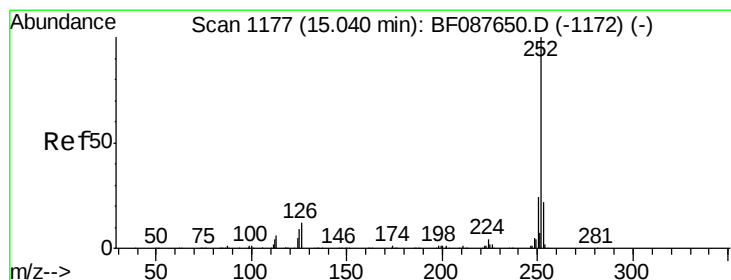
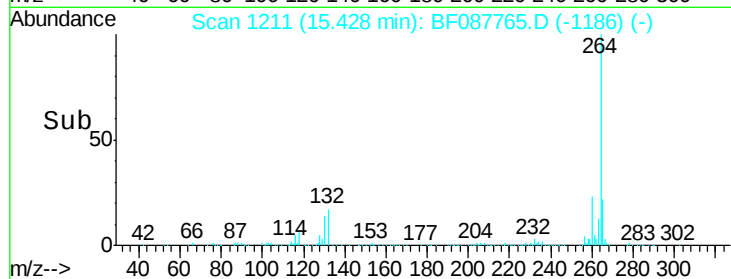
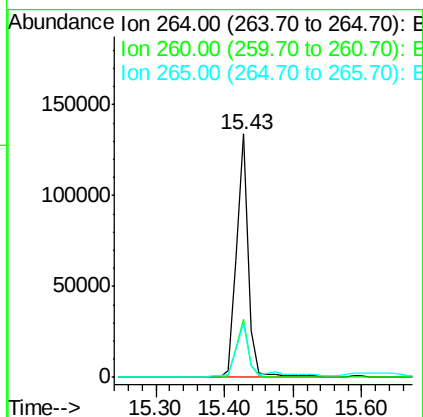
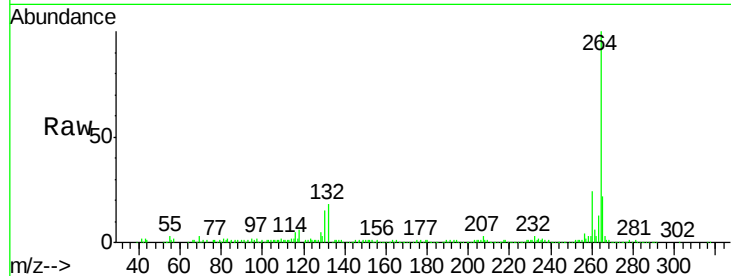




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

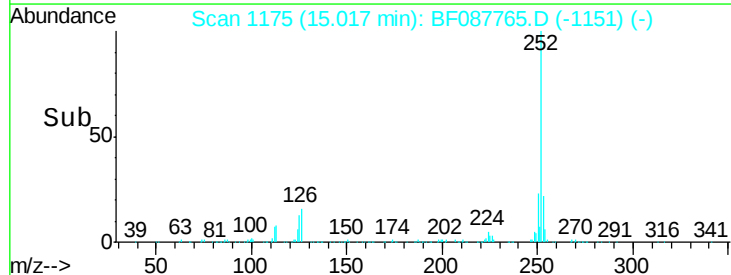
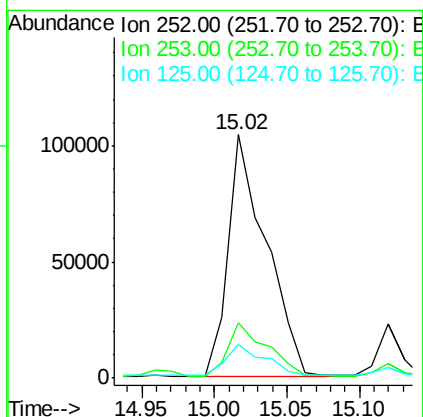
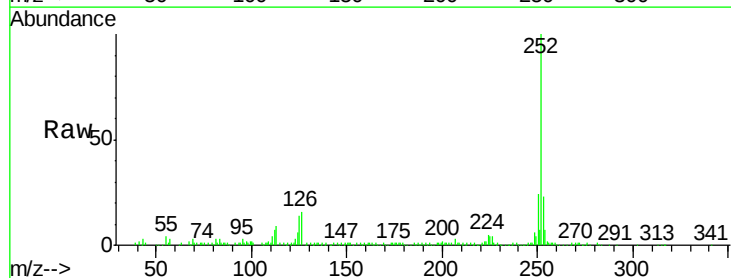
Instrument :
BNA_F
ClientSampleId :
CH-STA-1725(0-4)

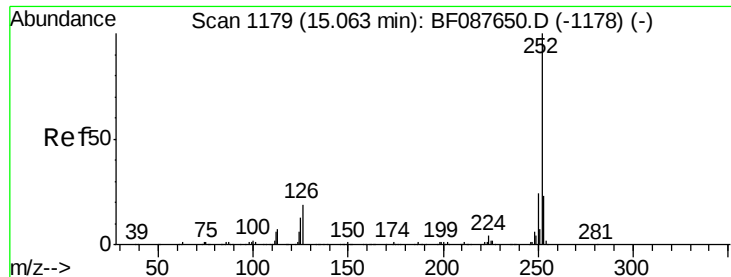
Tgt Ion:264 Resp: 164102
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.2 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 17.94 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087765.D
Acq: 6 Jun 2016 21:50

Tgt Ion:252 Resp: 191460
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 13.8 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 21.56 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.05 min

Lab File: BF087765.D

Acq: 6 Jun 2016 21:50

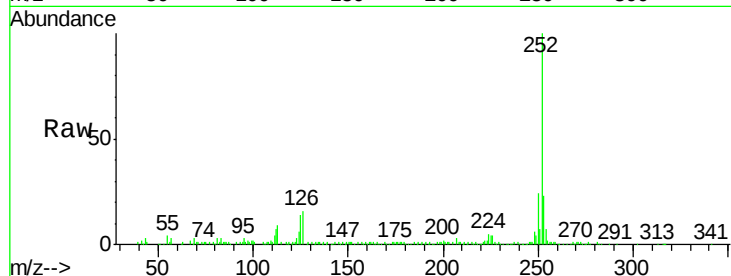
Instrument :

BNA_F

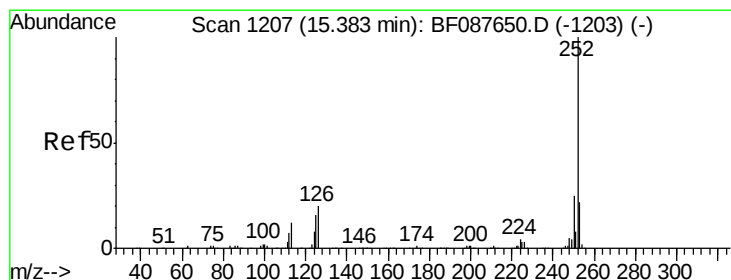
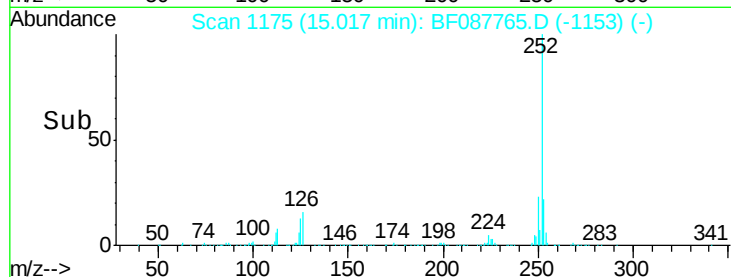
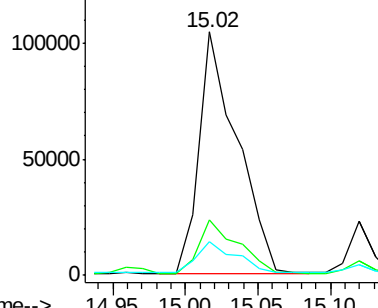
ClientSampleId :

CH-STA-1725(0-4)

Tgt Ion:	252	Resp:	191460
Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	13.8	11.2	16.8



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: 9.83 ng

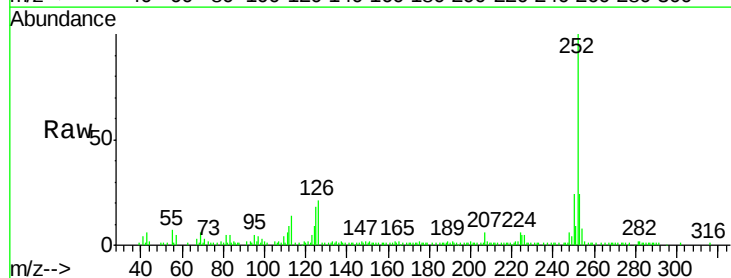
RT: 15.36 min Scan# 1205

Delta R.T. -0.02 min

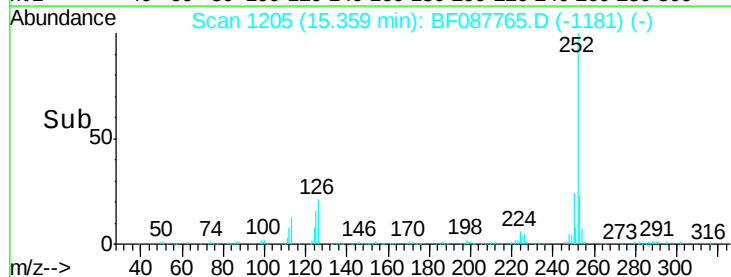
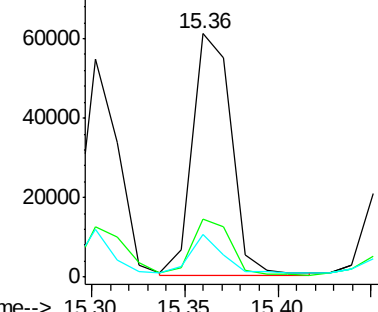
Lab File: BF087765.D

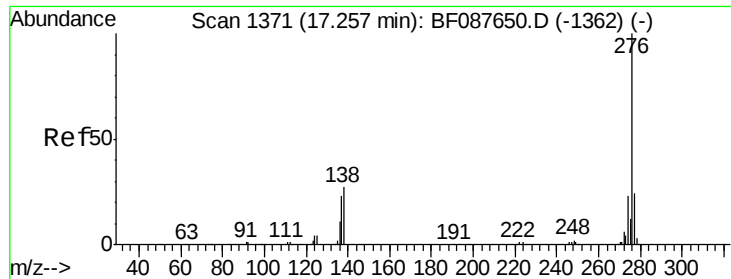
Acq: 6 Jun 2016 21:50

Tgt Ion:	252	Resp:	88222
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	17.8	12.5	18.7



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: 6.98 ng

RT: 17.22 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BF087765.D

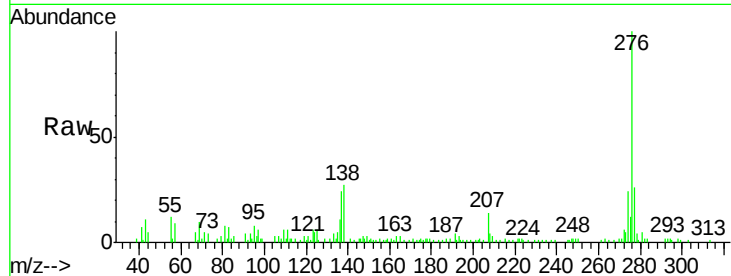
Acq: 6 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

CH-STA-1725(0-4)



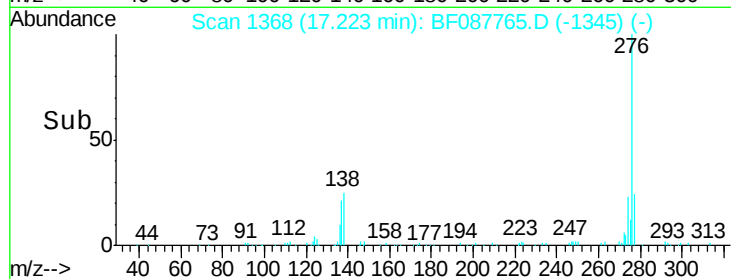
Tgt Ion: 276 Resp: 53796

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 26.7 21.4 32.2



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

