

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060716\
 Data File : BF087802.D
 Acq On : 7 Jun 2016 22:49
 Operator : UM/SJ
 Sample : H3379-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Quant Time: Jun 08 04:57:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	99002	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	418941	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	188618	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	301447	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	204853	20.00	ng	-0.01
86) Perylene-d12	15.39	264	214050	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	678054	117.08	ng	0.01
7) Phenol-d6	6.48	99	996388	141.97	ng	0.00
23) Nitrobenzene-d5	7.40	82	549223	76.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	215748	108.33	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	890614	73.42	ng	-0.01
78) Terphenyl-d14	12.94	244	657552	73.04	ng	-0.01

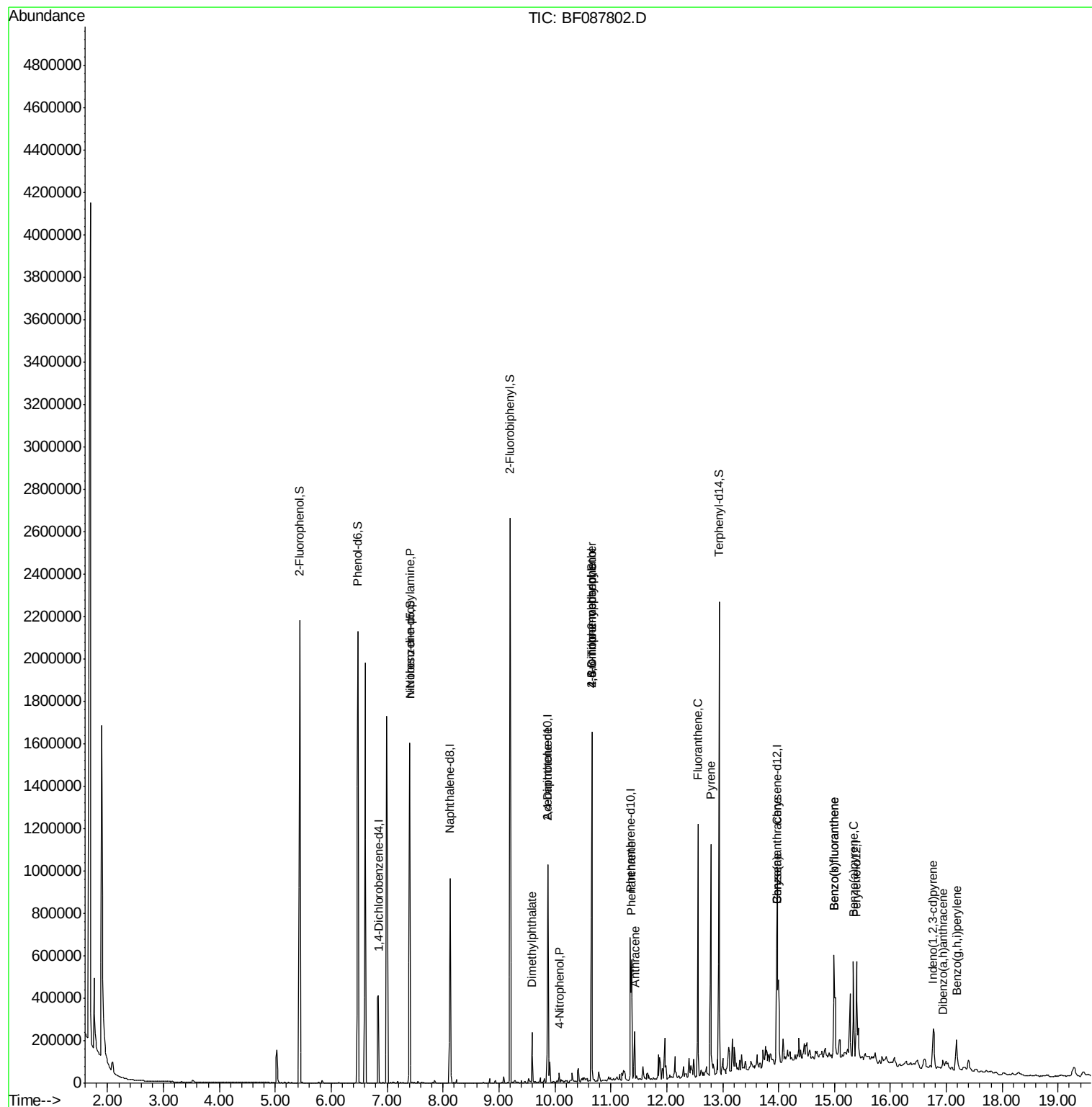
Target Compounds				Qvalue		
10) Phenol	6.49	94	5707	Below Cal		90
19) n-Nitroso-di-n-propylamine	7.40	70	72869	16.23 ng	#	75
45) 1,1'-Biphenyl	9.30	154	2347	Below Cal		89
49) Dimethylphthalate	9.59	163	119321	8.73 ng		99
55) 4-Nitrophenol	10.08	139	6120	2.18 ng	#	5
56) 2,4-Dinitrotoluene	9.87	165	24976	6.21 ng	#	38
57) Fluorene	10.42	166	23696	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.66	198	366	2.35 ng	#	1
66) 4-Bromophenyl-phenylether	10.66	248	14056	4.35 ng	#	1
70) Phenanthrene	11.37	178	282275	17.84 ng		99
71) Anthracene	11.43	178	94237	5.91 ng		98
74) Fluoranthene	12.56	202	424443	25.43 ng		100
77) Pyrene	12.79	202	440686	28.99 ng		100
80) Benzo(a)anthracene	13.97	228	240569	20.61 ng		98
82) Chrysene	13.97	228	241183	21.96 ng		96
85) Indeno(1,2,3-cd)pyrene	16.77	276	125477	12.30 ng	#	100
87) Benzo(b)fluoranthene	14.99	252	362009	24.26 ng	#	95
88) Benzo(k)fluoranthene	14.99	252	362009	32.17 ng		99
89) Benzo(a)pyrene	15.34	252	206027	17.07 ng		97
90) Dibenzo(a,h)anthracene	16.94	278	23531	2.10 ng		97
91) Benzo(g,h,i)perylene	17.19	276	119569	10.37 ng		95

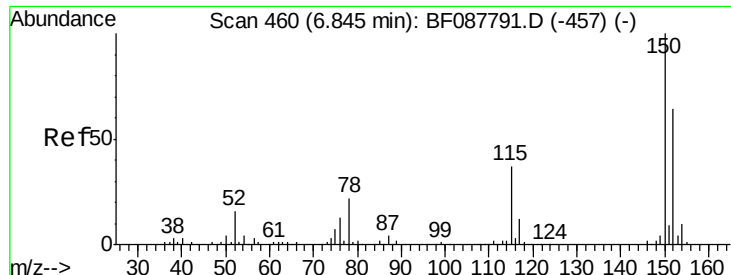
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

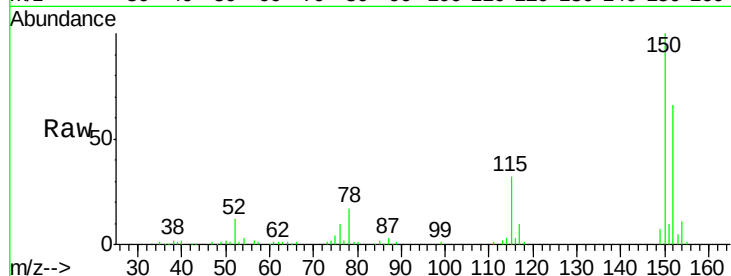
Tgt Ion:152 Resp: 99002

Ion Ratio Lower Upper

152 100

150 152.1 123.8 185.6

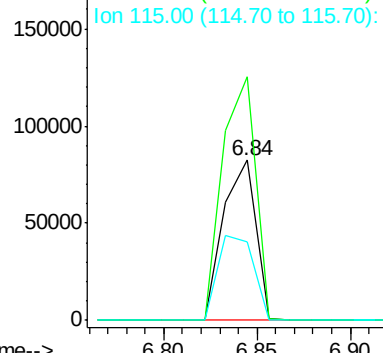
115 48.8 39.6 59.4



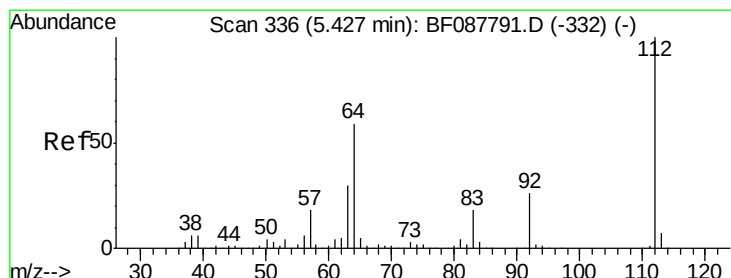
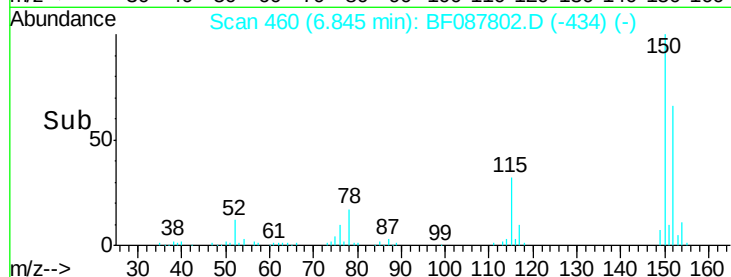
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 117.08 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

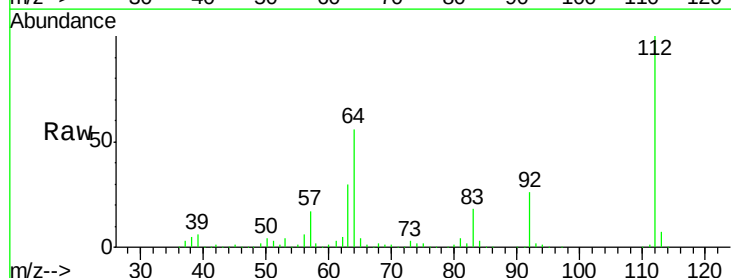
Tgt Ion:112 Resp: 678054

Ion Ratio Lower Upper

112 100

64 56.3 42.2 63.2

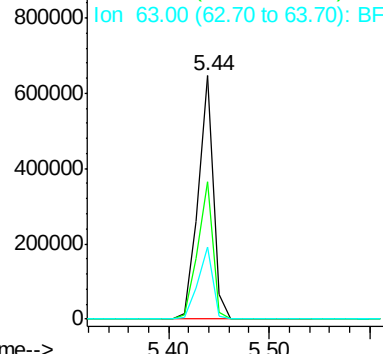
63 29.7 21.8 32.8



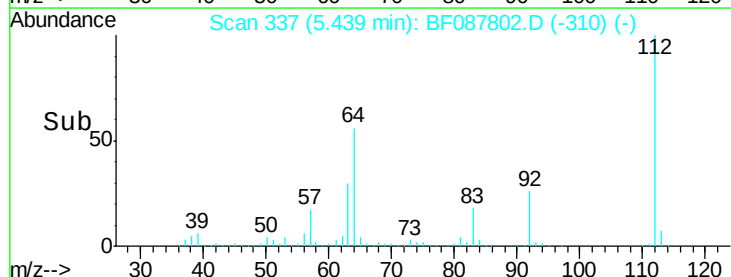
Abundance Ion 112.00 (111.70 to 112.70): E

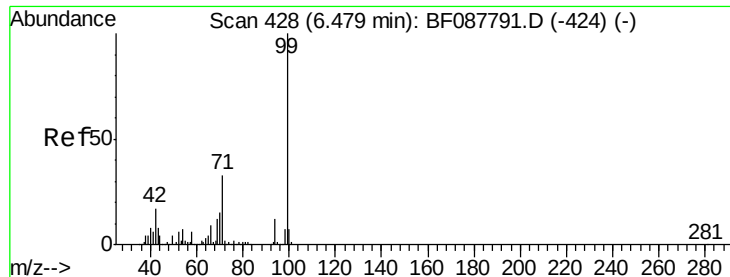
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 141.97 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

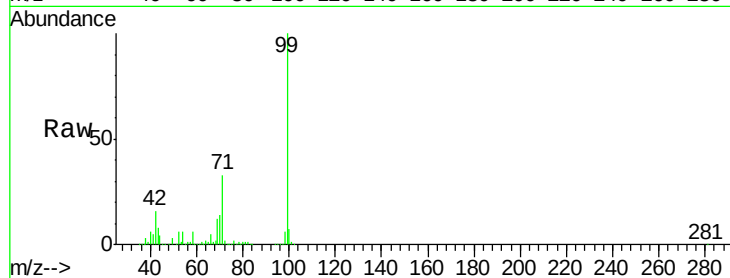
Tgt Ion: 99 Resp: 996388

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

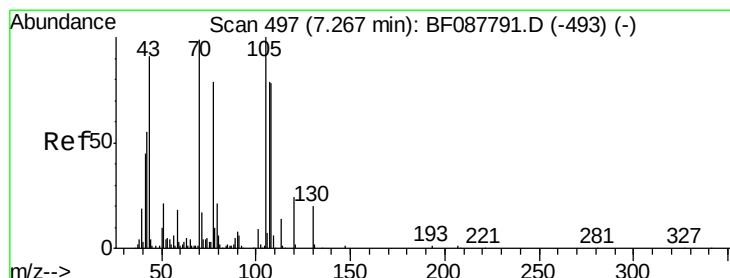
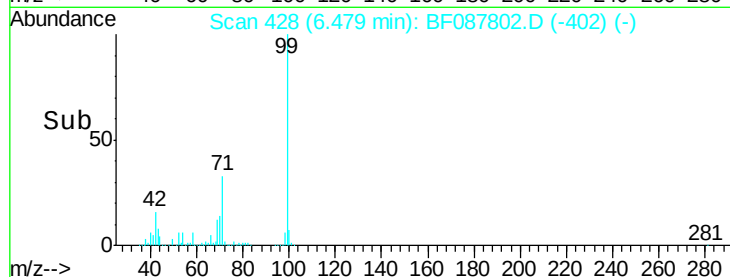
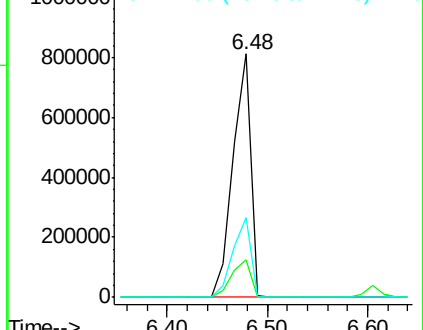
71 32.7 23.4 35.0



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: 16.23 ng

RT: 7.40 min Scan# 509

Delta R.T. 0.14 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Tgt Ion: 70 Resp: 72869

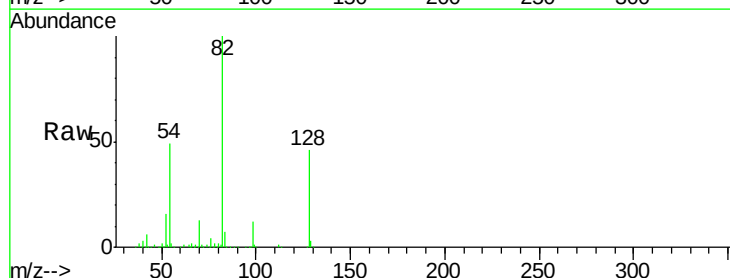
Ion Ratio Lower Upper

70 100

42 45.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

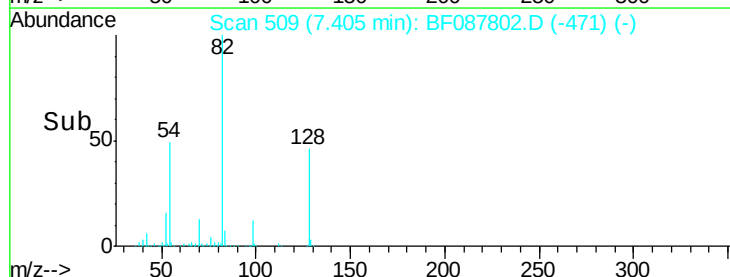
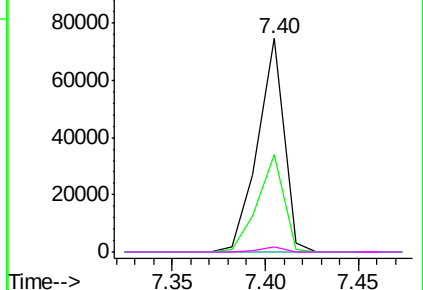


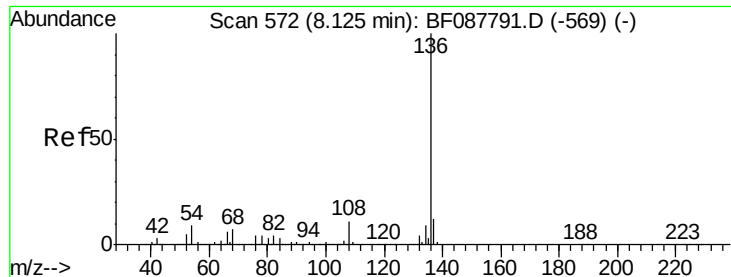
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

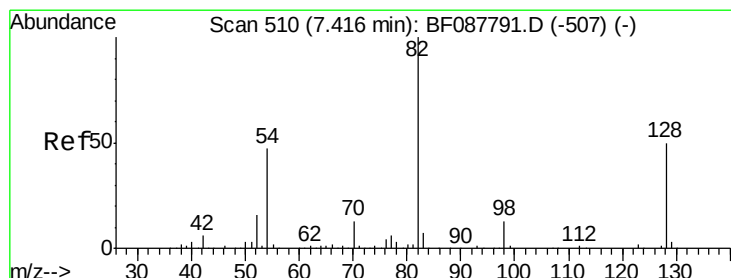
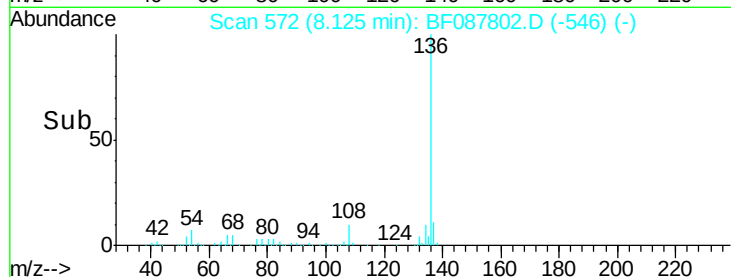
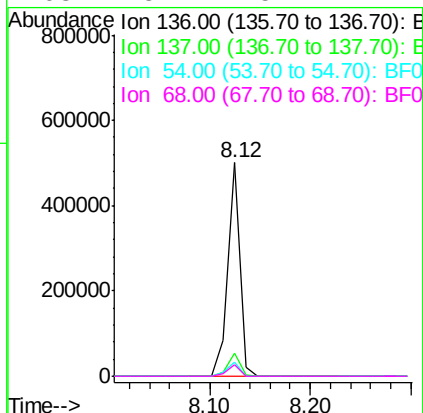
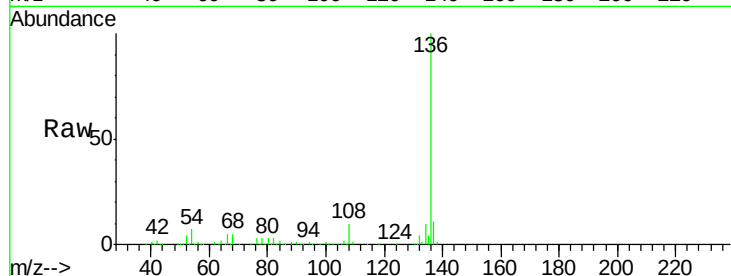




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

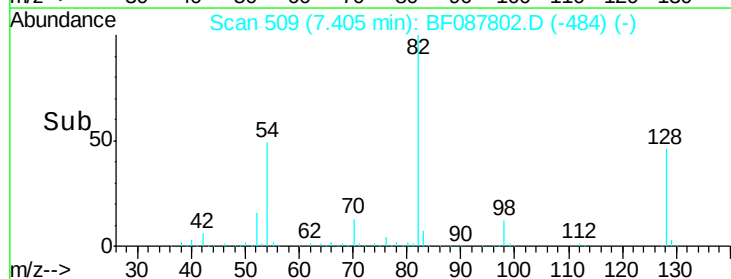
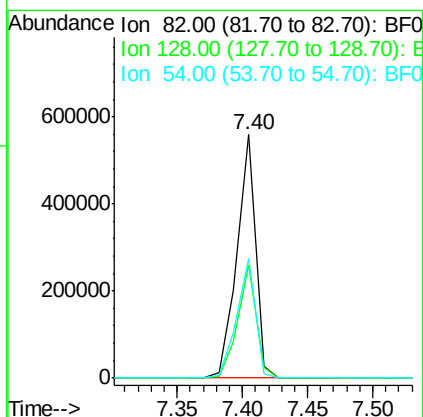
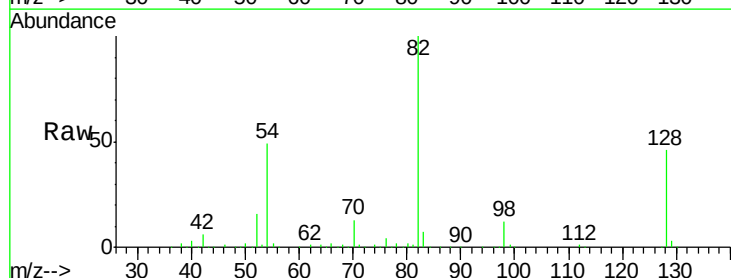
Instrument :
BNA_F
ClientSampleId :
SS-4

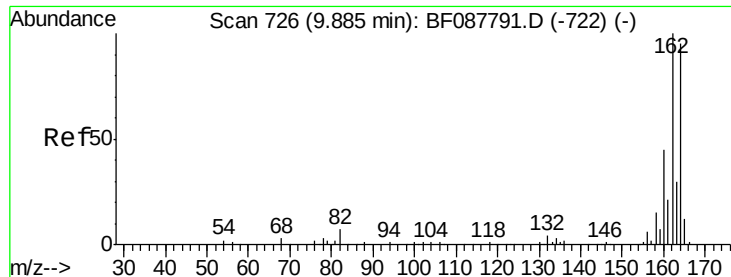
Tgt Ion:	136	Resp:	418941
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.8	6.6	10.0
68	5.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 76.55 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Tgt Ion:	82	Resp:	549223
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	49.0	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

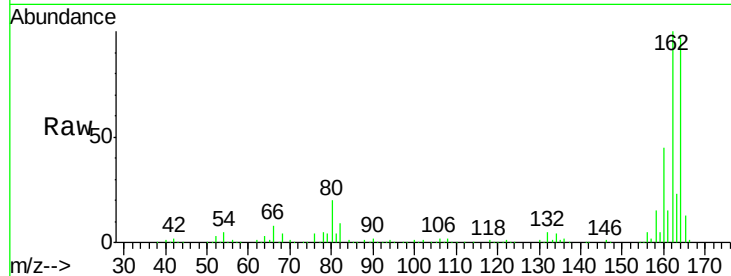
Tgt Ion:164 Resp: 188618

Ion Ratio Lower Upper

164 100

162 103.6 85.4 128.2

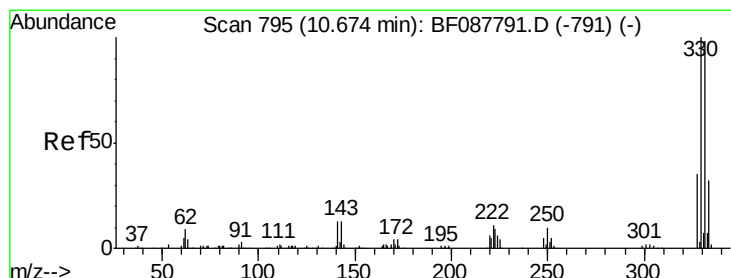
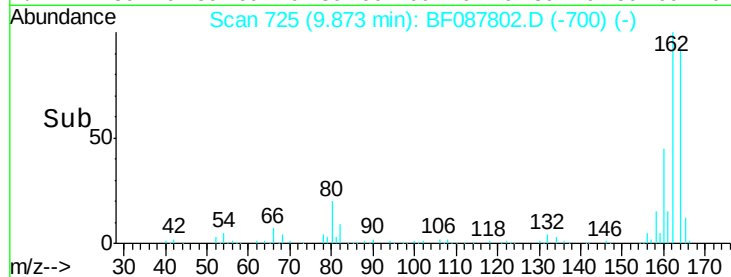
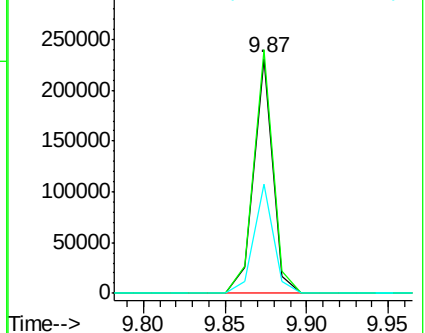
160 46.3 39.5 59.3



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: 108.33 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

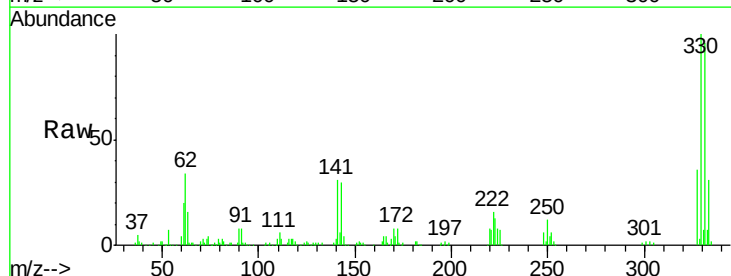
Tgt Ion:330 Resp: 215748

Ion Ratio Lower Upper

330 100

332 95.7 0.0 0.0#

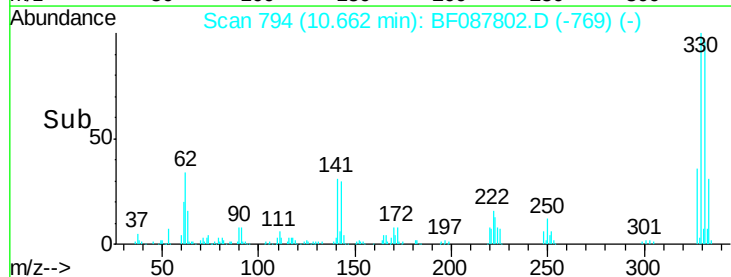
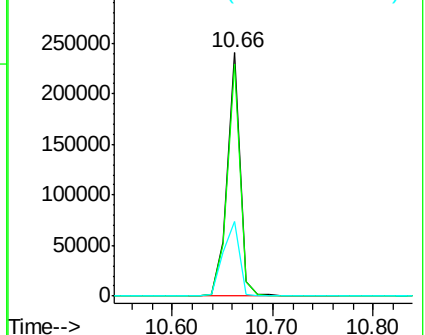
141 38.8 0.0 0.0#

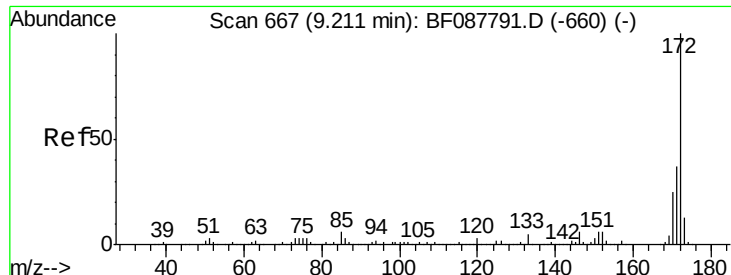


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

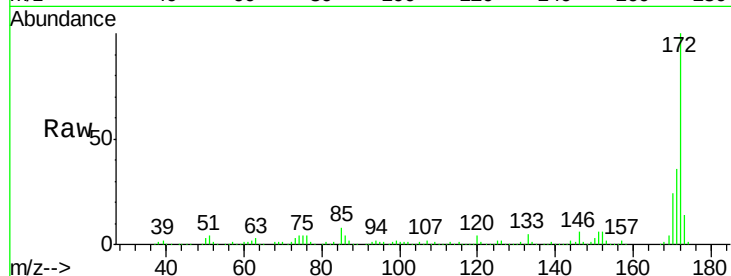




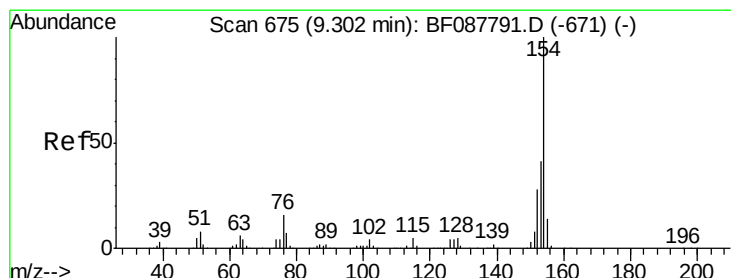
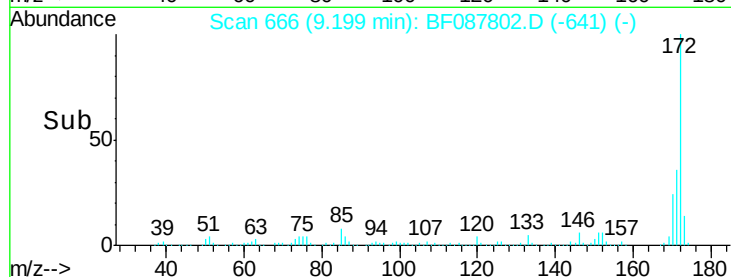
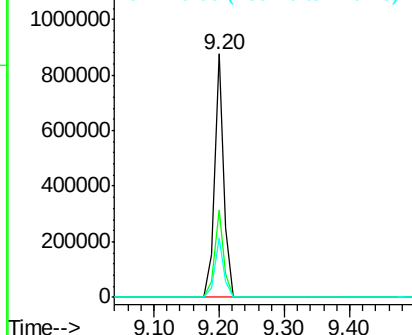
#44
 2-Fluorobiphenyl
 Concen: 73.42 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

Instrument :
 BNA_F
 ClientSampled :
 SS-4

Tgt Ion:172 Resp: 890614
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.3 19.2 28.8

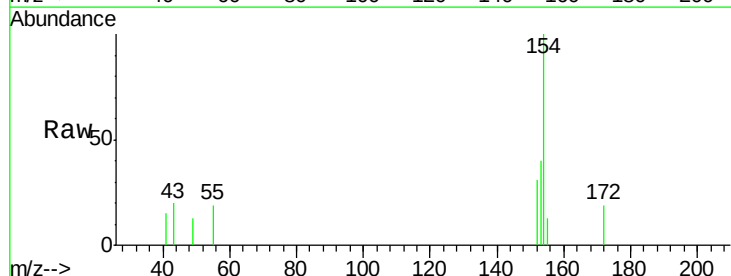


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

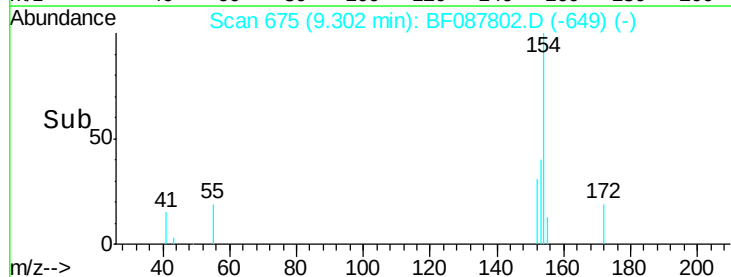
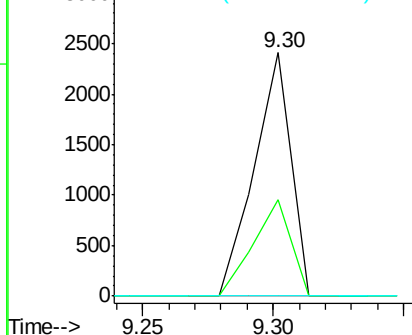


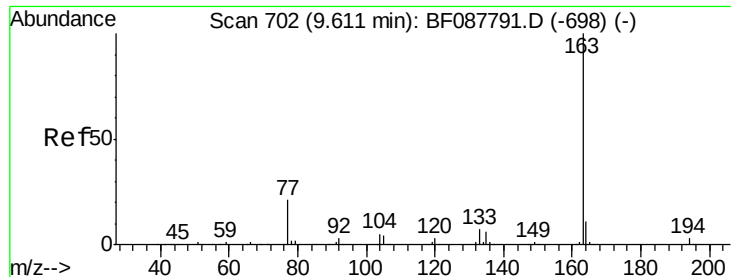
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.30 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

Tgt Ion:154 Resp: 2347
 Ion Ratio Lower Upper
 154 100
 153 39.7 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 8.73 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

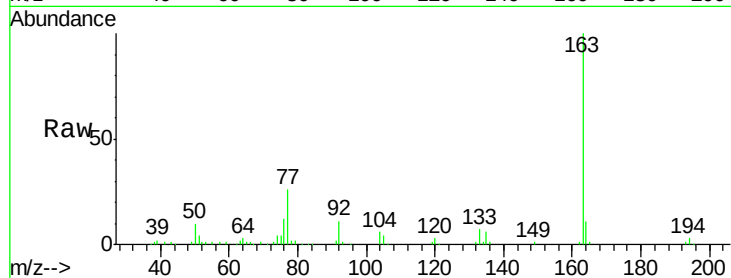
Tgt Ion:163 Resp: 119321

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

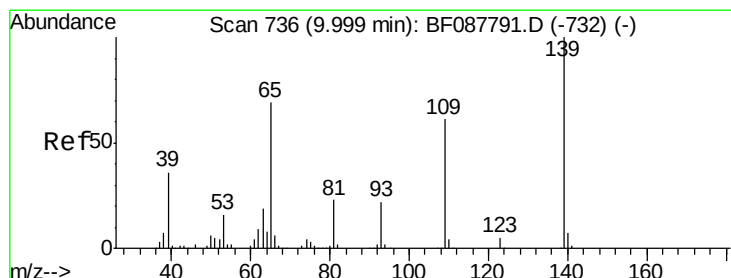
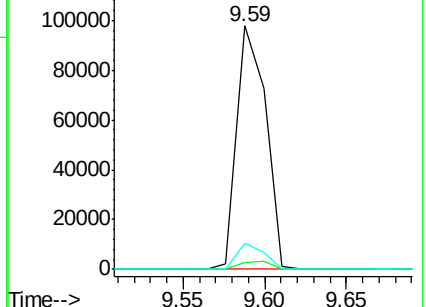
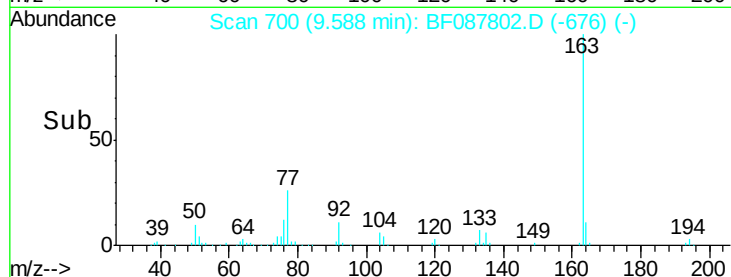
164 10.8 8.3 12.5



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



#55

4-Nitrophenol

Concen: 2.18 ng

RT: 10.08 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

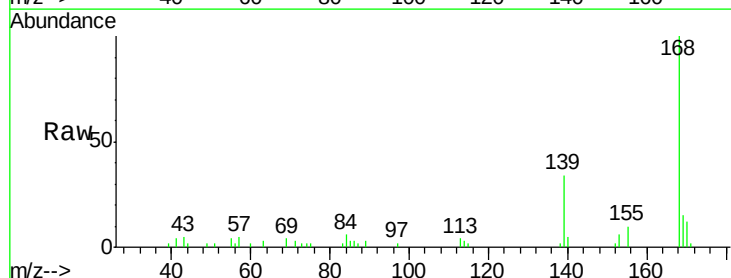
Tgt Ion:139 Resp: 6120

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

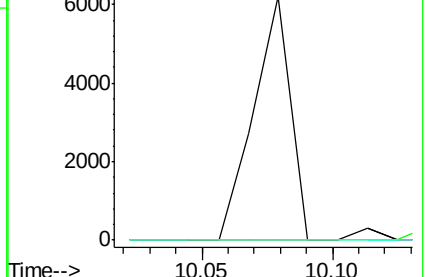
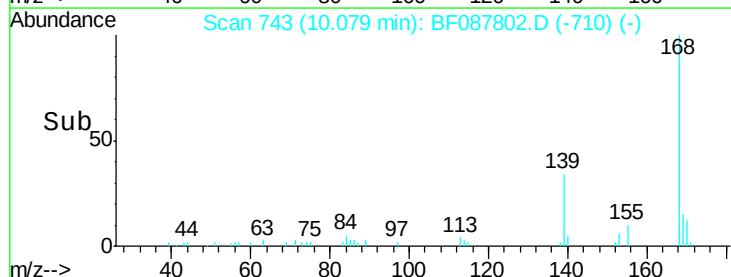
65 0.0 84.9 124.9#

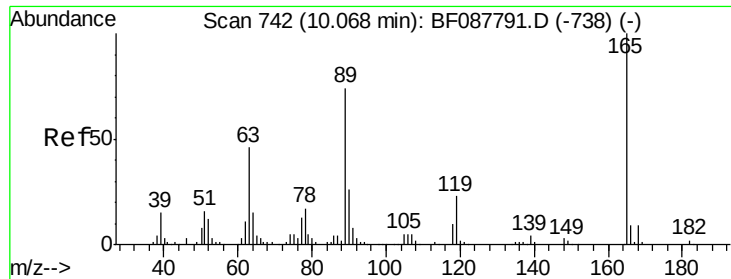


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

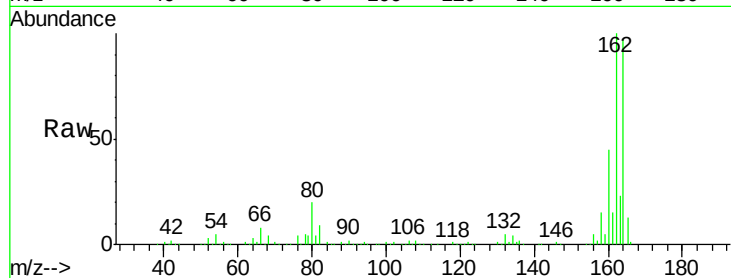




#56
2,4-Dinitrotoluene
Concen: 6.21 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.19 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

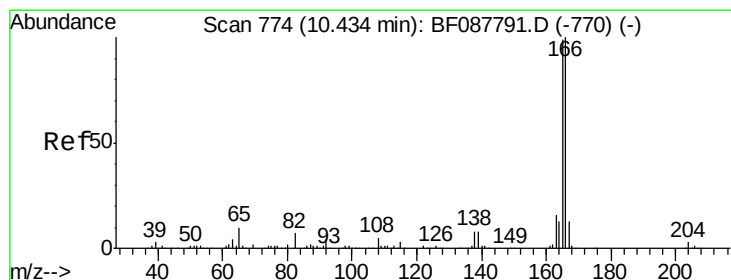
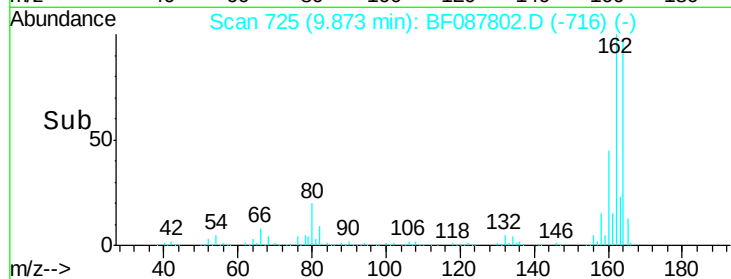
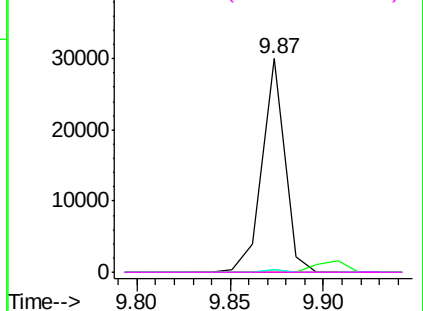


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

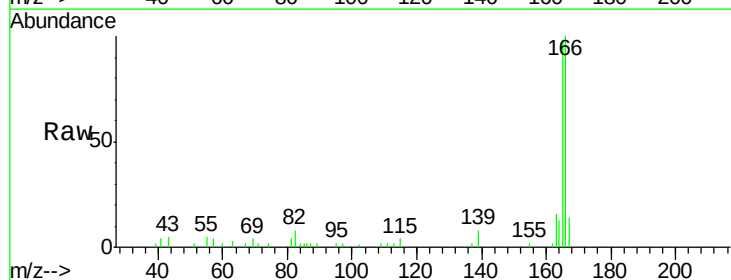
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

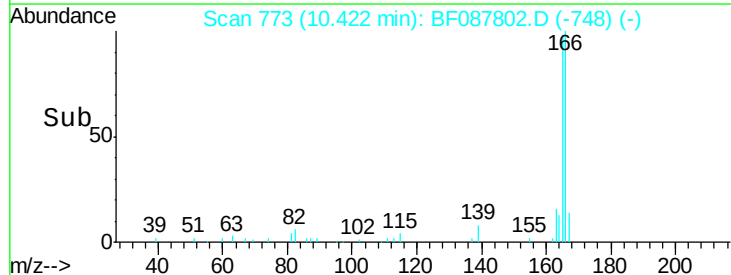
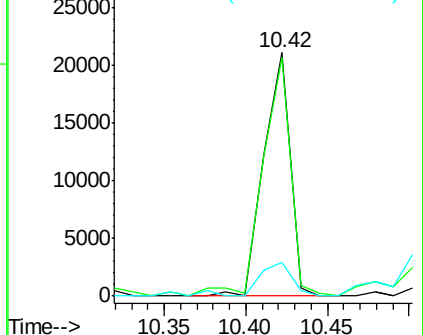
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.8
167	13.7	11.2	16.8

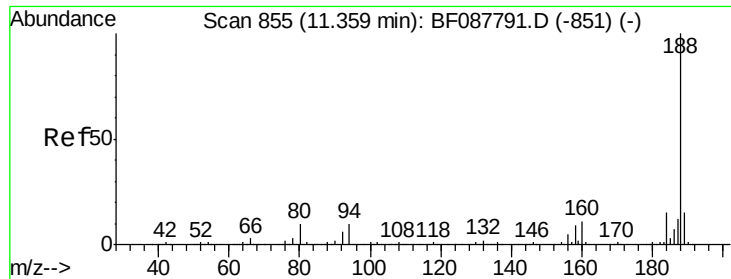


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

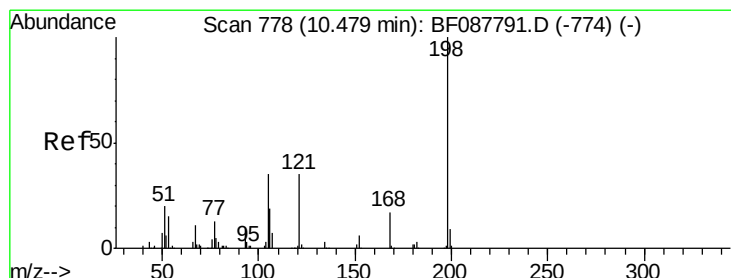
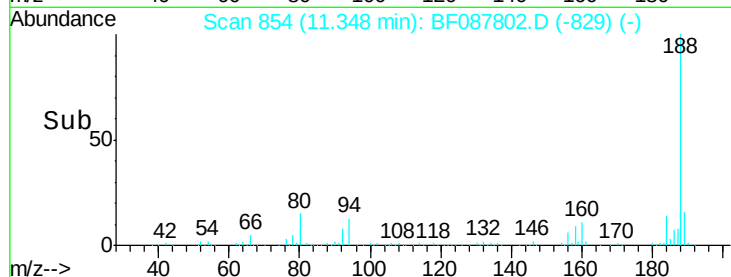
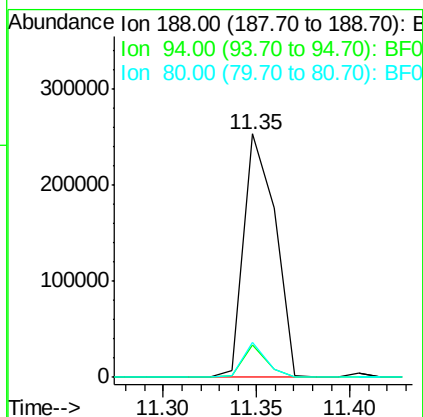
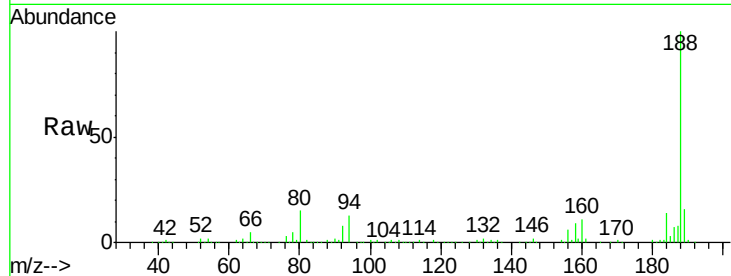




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

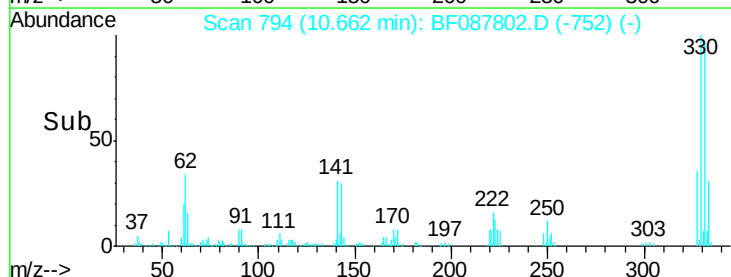
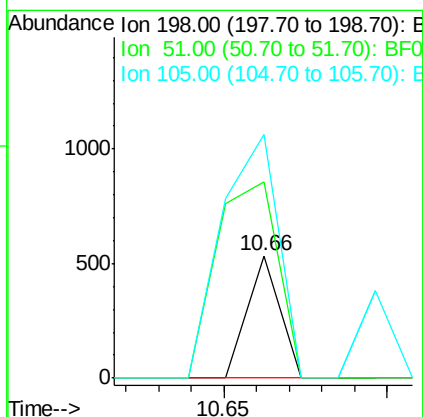
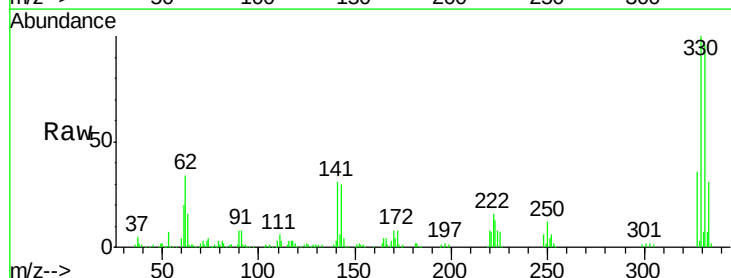
Instrument :
BNA_F
ClientSampleId :
SS-4

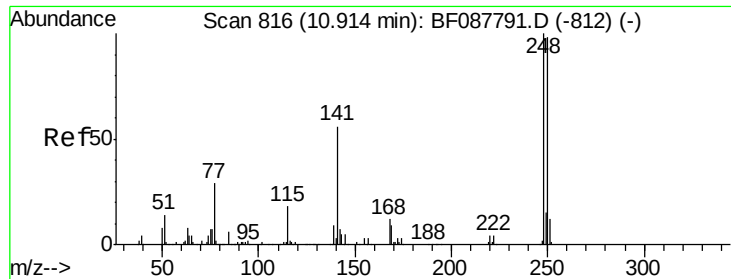
Tgt Ion:188 Resp: 301447
Ion Ratio Lower Upper
188 100
94 13.4 9.0 13.6
80 14.6 10.0 15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.35 ng
RT: 10.66 min Scan# 794
Delta R.T. 0.18 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Tgt Ion:198 Resp: 366
Ion Ratio Lower Upper
198 100
51 160.6 39.6 79.6#
105 199.4 36.6 76.6#

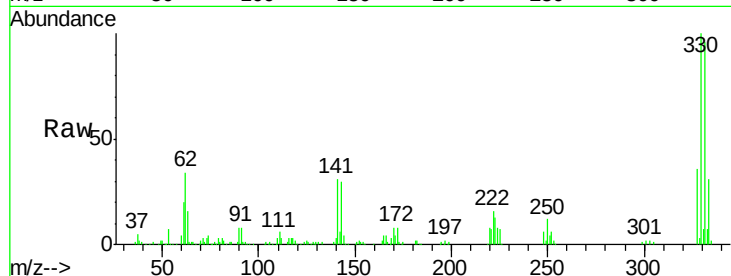




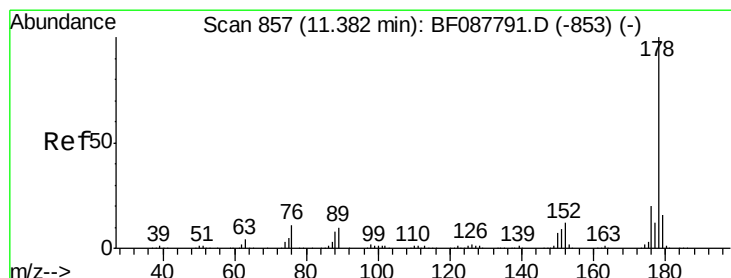
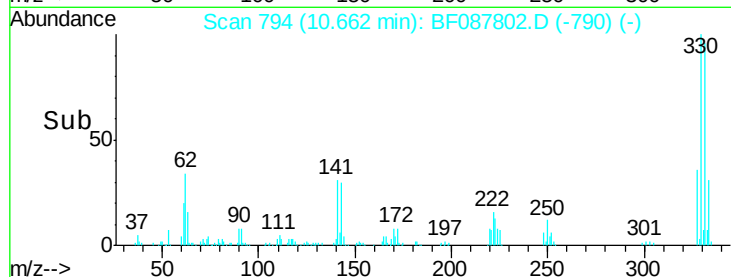
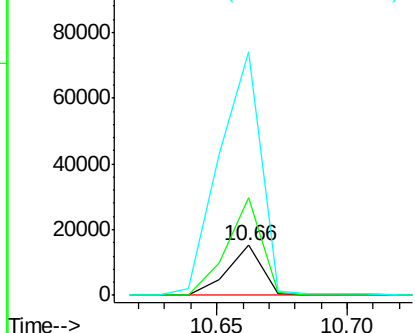
#66
4-Bromophenyl-phenylether
Concen: 4.35 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.25 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion:248 Resp: 14056
Ion Ratio Lower Upper
248 100
250 194.5 77.1 115.7#
141 484.3 50.6 76.0#

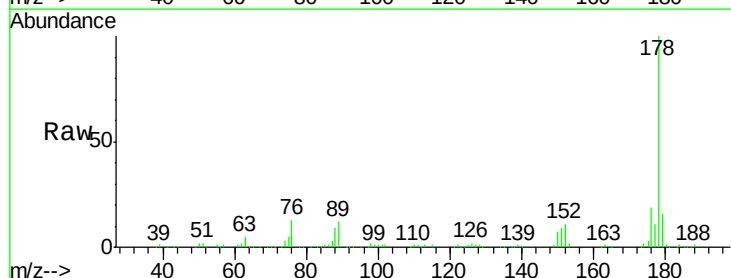


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

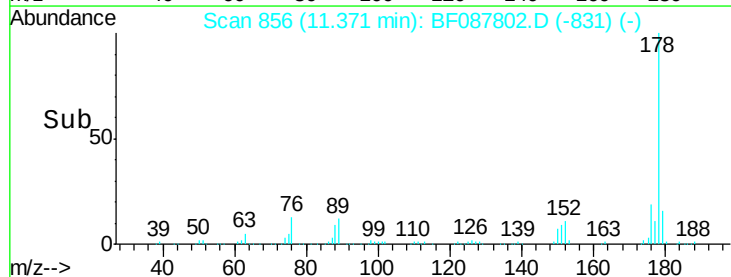
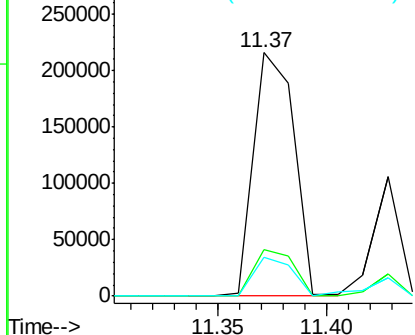


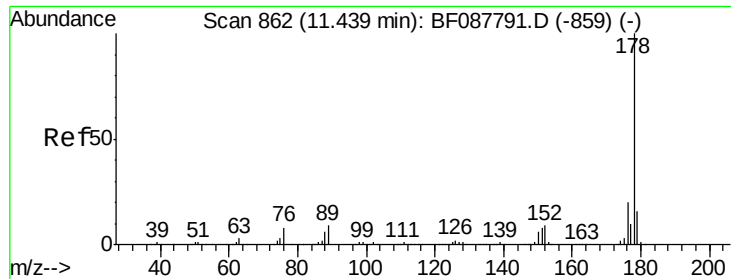
#70
Phenanthrene
Concen: 17.84 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Tgt Ion:178 Resp: 282275
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.7 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

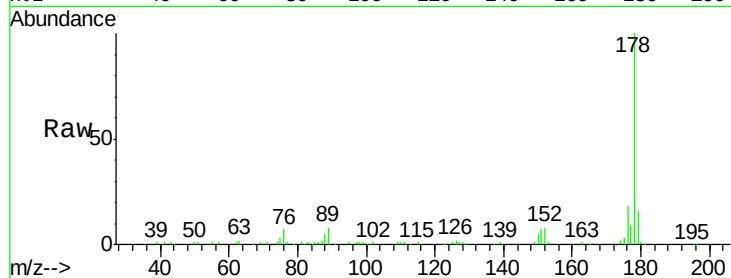




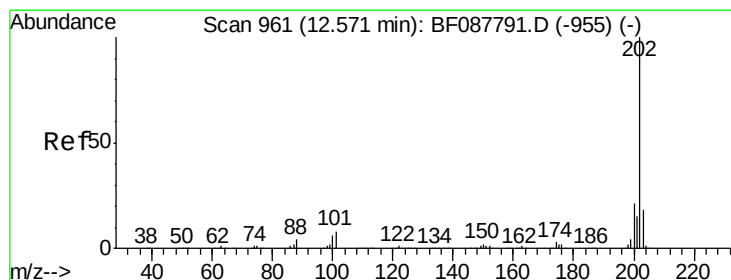
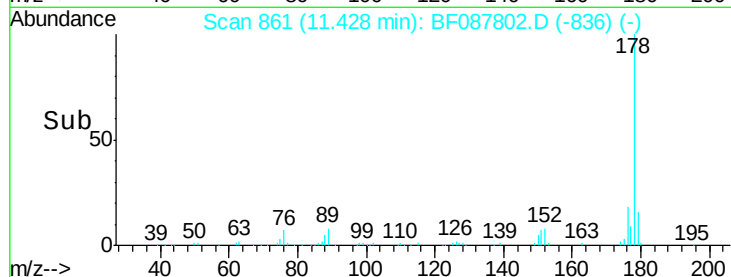
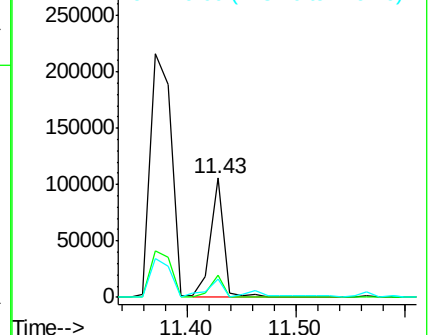
#71
 Anthracene
 Concen: 5.91 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

Instrument :
 BNA_F
 ClientSampled :
 SS-4

Tgt Ion:178 Resp: 94237
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 15.5 12.8 19.2

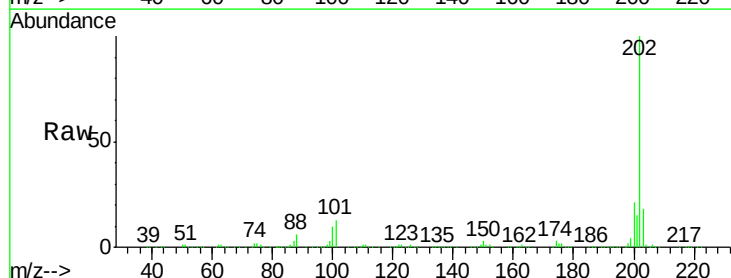


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

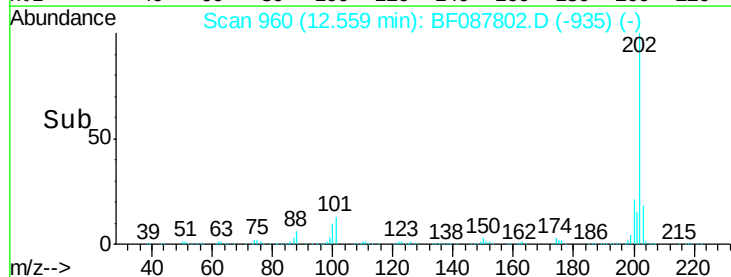
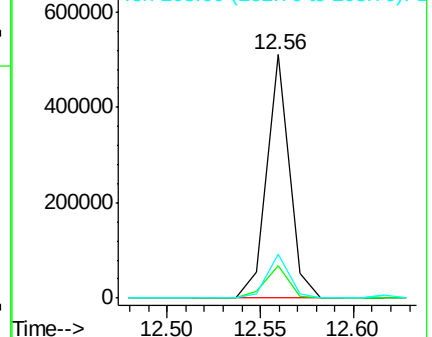


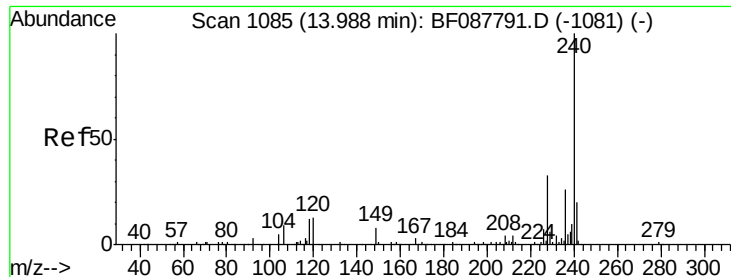
#74
 Fluoranthene
 Concen: 25.43 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

Tgt Ion:202 Resp: 424443
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 33.1
 203 18.0 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: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

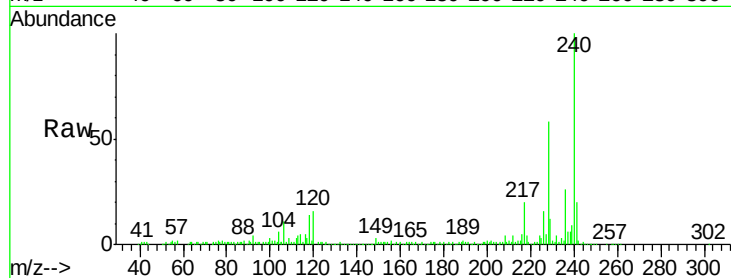
Tgt Ion:240 Resp: 204853

Ion Ratio Lower Upper

240 100

120 16.1 6.8 10.2#

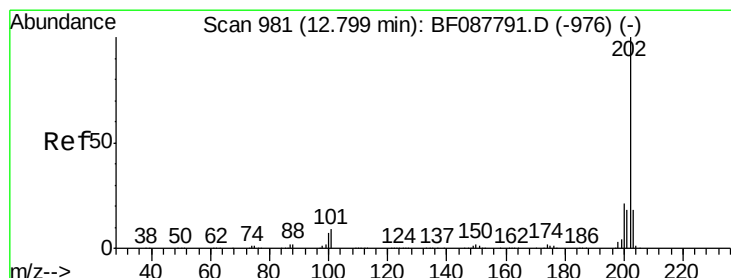
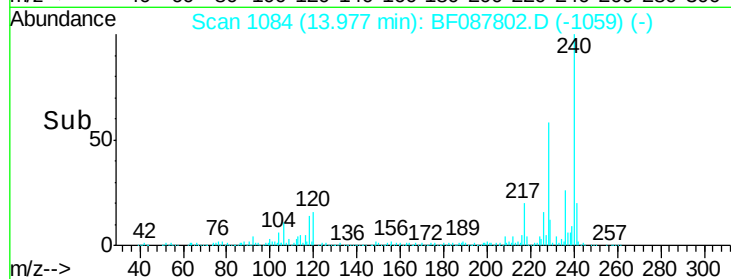
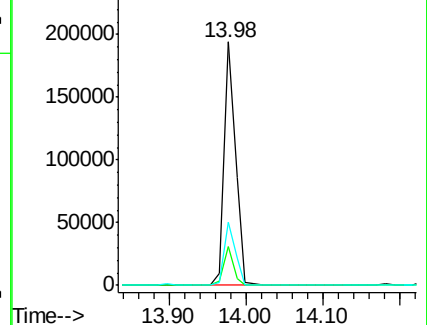
236 25.9 20.2 30.2



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



#77

Pyrene

Concen: 28.99 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

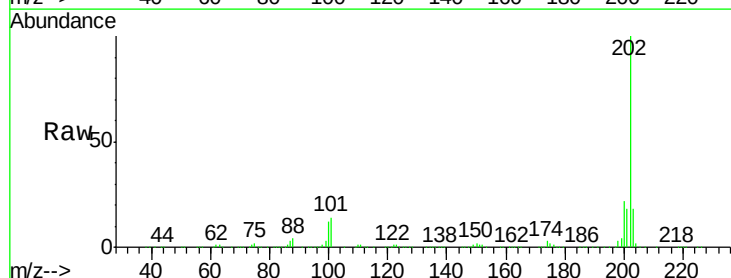
Tgt Ion:202 Resp: 440686

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

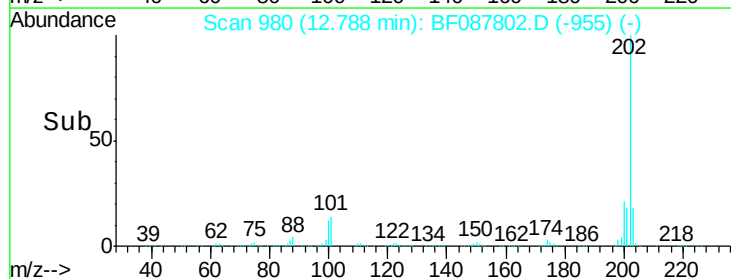
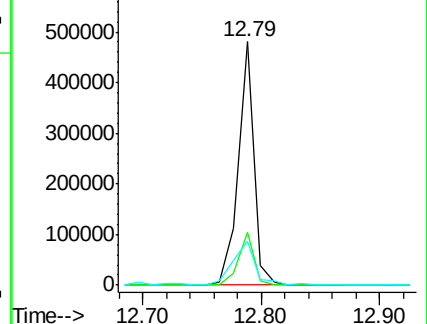
203 18.0 14.5 21.7

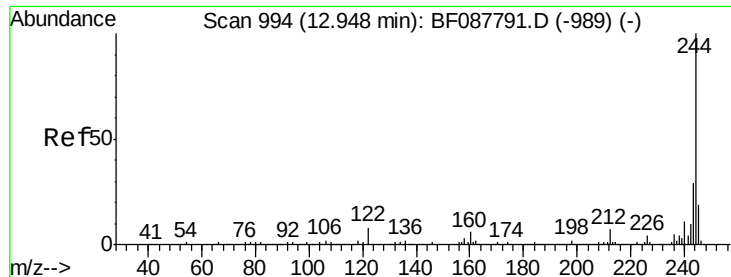


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

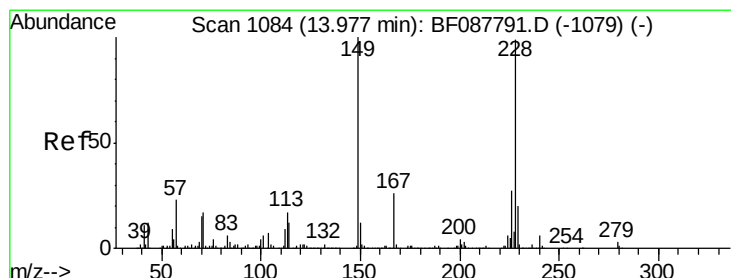
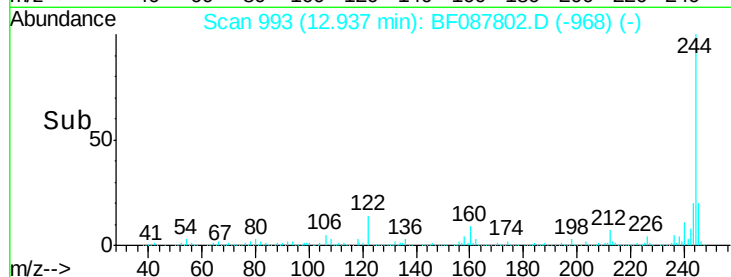
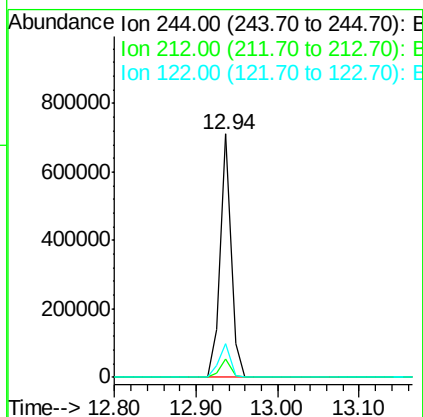
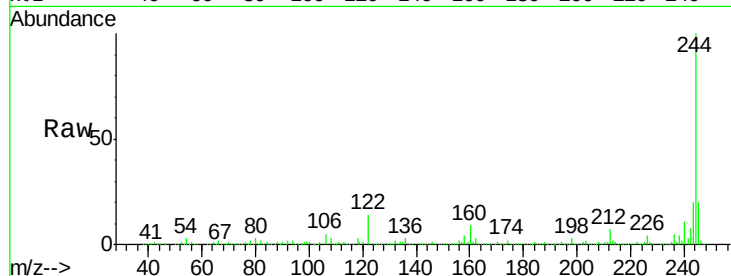




#78
 Terphenyl-d14
 Concen: 73.04 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

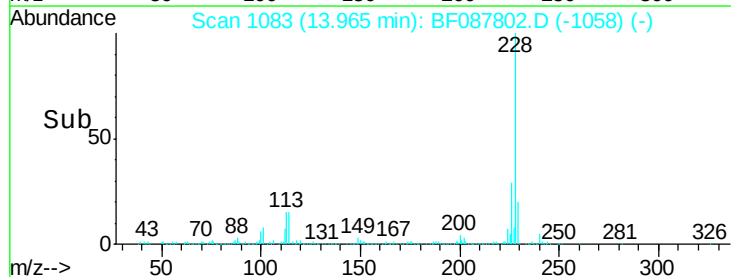
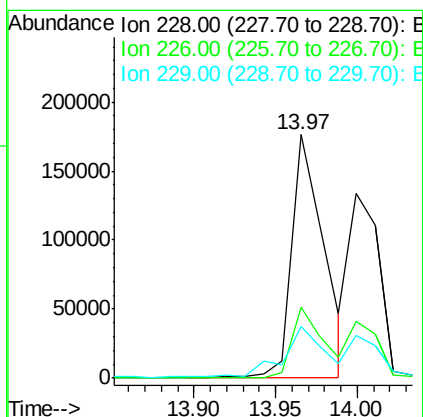
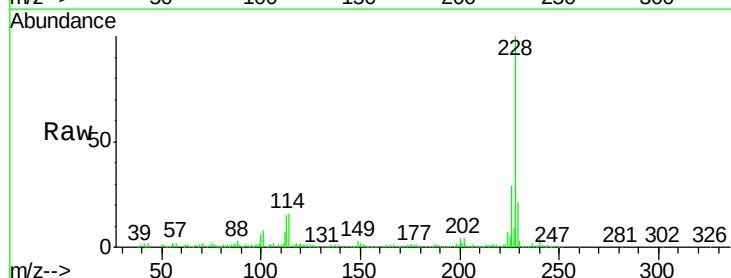
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

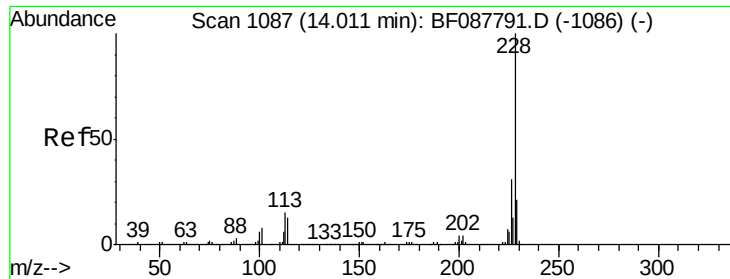
Tgt Ion:244 Resp: 657552
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.0 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 20.61 ng
 RT: 13.97 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 22:49

Tgt Ion:228 Resp: 240569
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 21.1 16.0 24.0





#82

Chrysene

Concen: 21.96 ng

RT: 13.97 min Scan# 1083

Delta R.T. -0.05 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

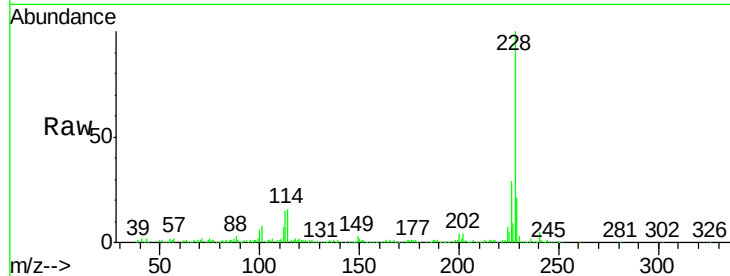
Tgt Ion:228 Resp: 241183

Ion Ratio Lower Upper

228 100

226 29.0 25.4 38.2

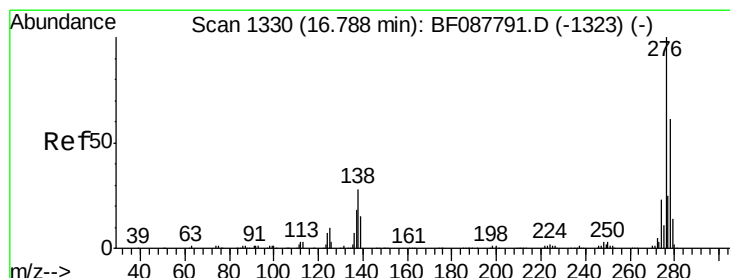
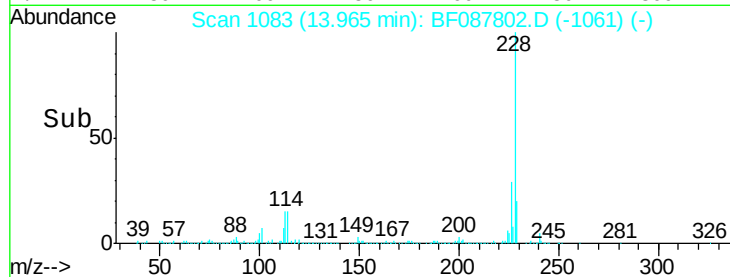
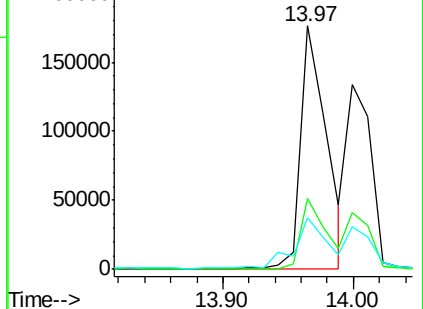
229 21.1 16.3 24.5



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: 12.30 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

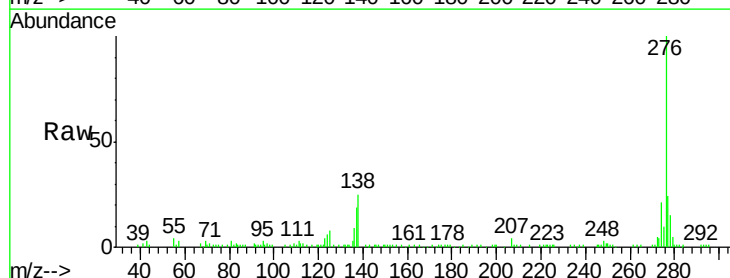
Tgt Ion:276 Resp: 125477

Ion Ratio Lower Upper

276 100

138 26.5 0.0 0.0#

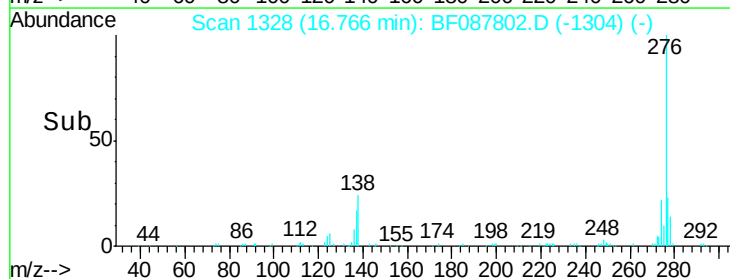
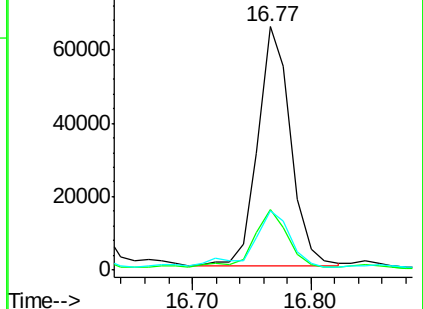
277 28.5 0.0 0.0#

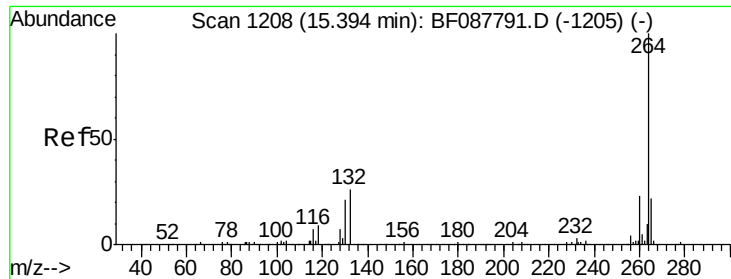


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

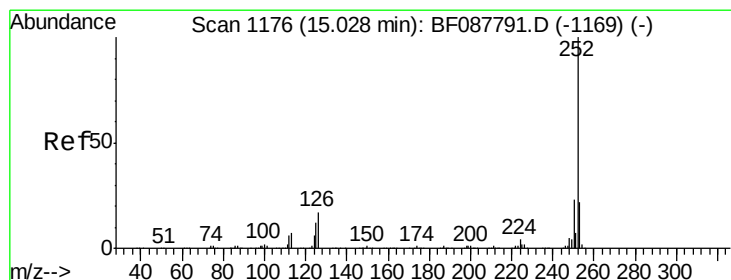
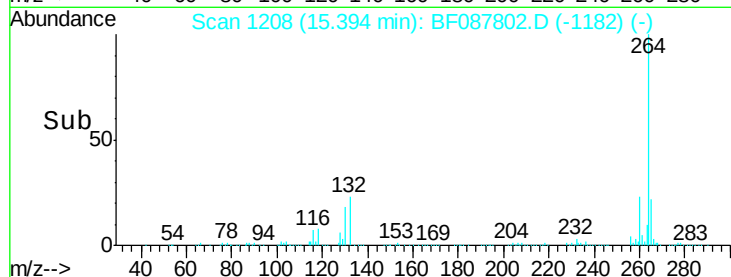
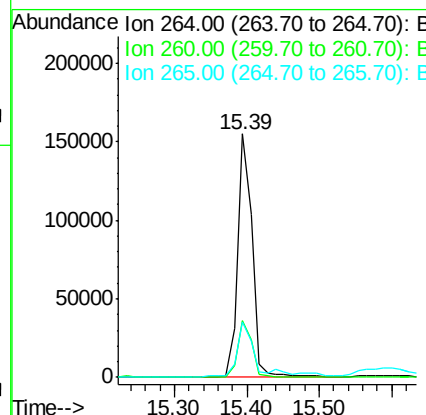
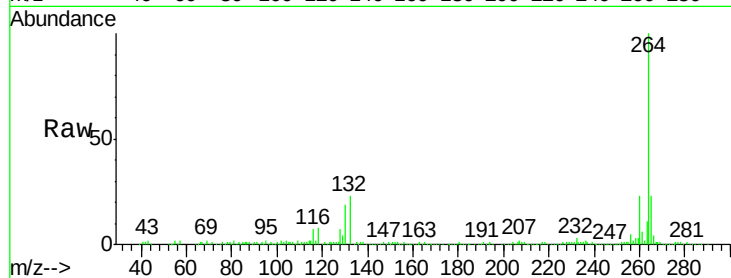




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

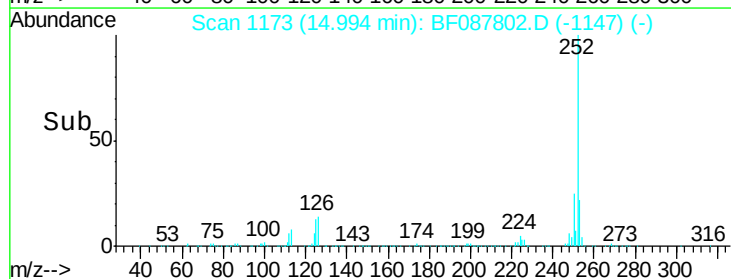
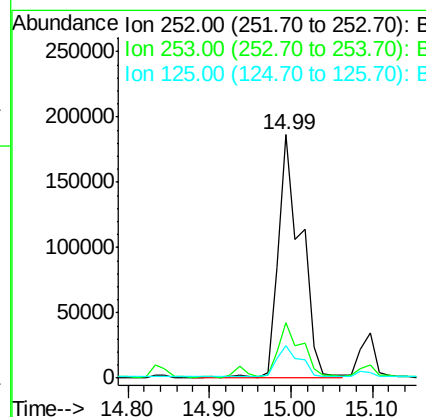
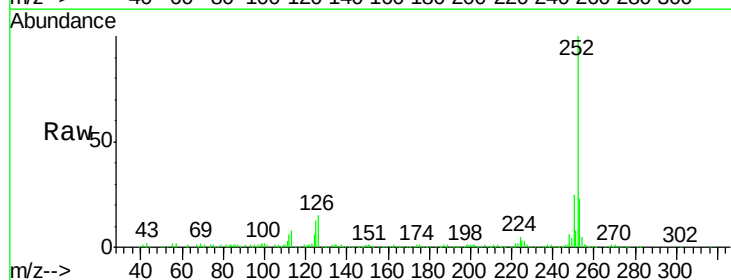
Instrument :
BNA_F
ClientSampleId :
SS-4

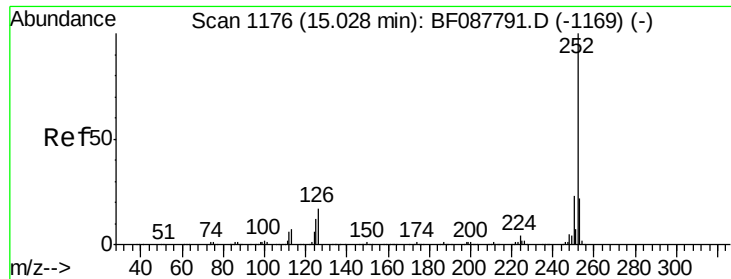
Tgt Ion:	264	Resp:	214050
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.7	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 24.26 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 22:49

Tgt Ion:	252	Resp:	362009
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.1	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 32.17 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.03 min

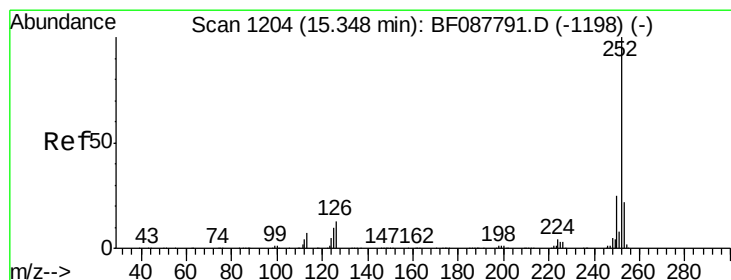
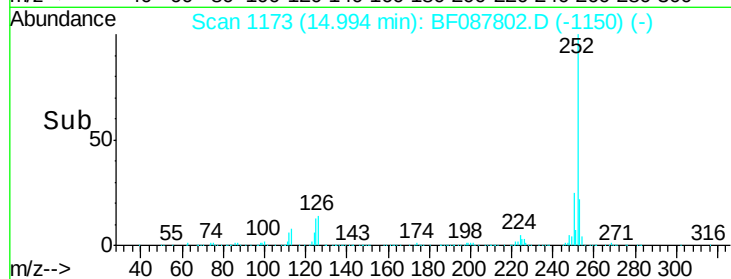
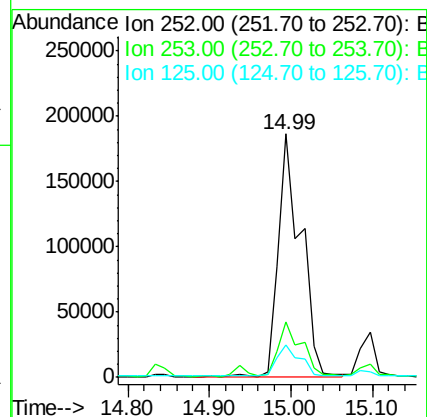
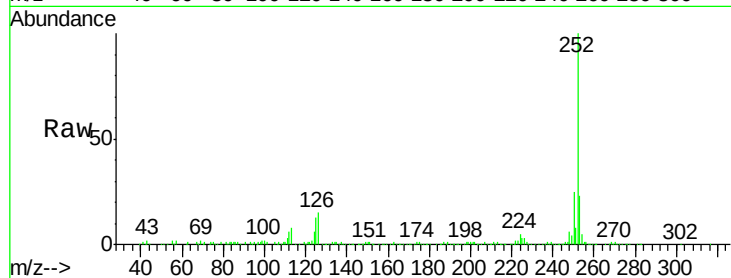
Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :
BNA_F
ClientSampled :
SS-4

Tgt Ion: 252 Resp: 362009

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	13.1	11.2	16.8



#89

Benzo(a)pyrene

Concen: 17.07 ng

RT: 15.34 min Scan# 1203

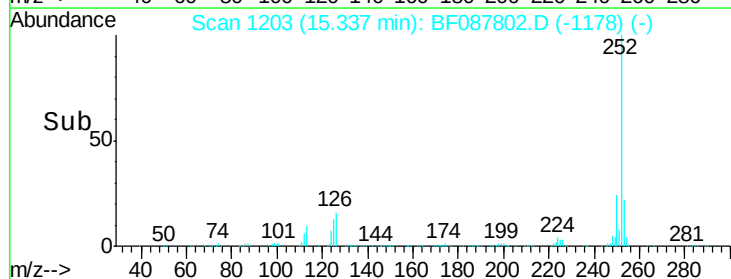
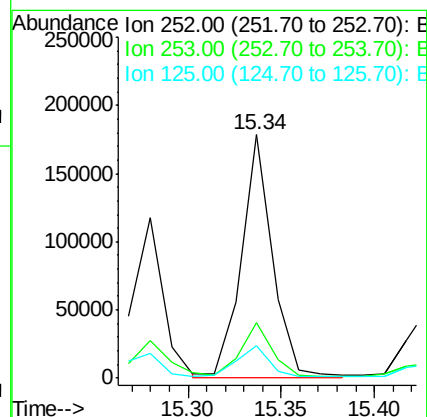
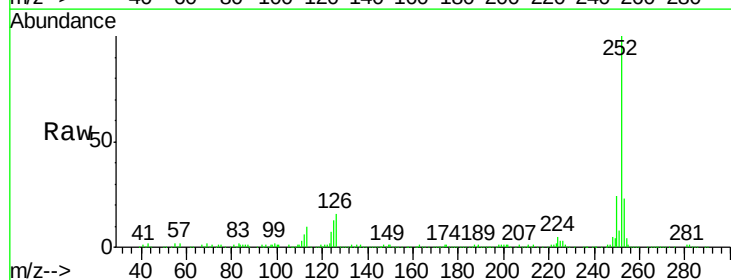
Delta R.T. -0.01 min

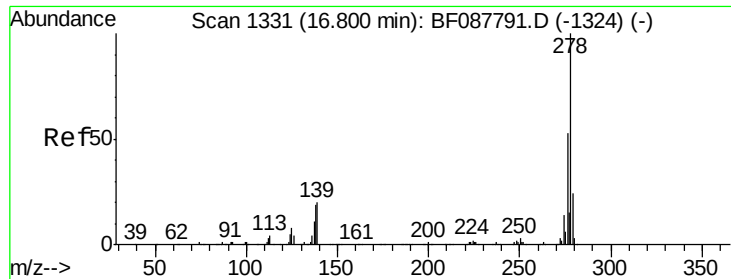
Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Tgt Ion: 252 Resp: 206027

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.2	12.5	18.7





#90

Dibenzo(a,h)anthracene

Concen: 2.10 ng

RT: 16.94 min Scan# 1343

Delta R.T. 0.14 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

Instrument :

BNA_F

ClientSampleId :

SS-4

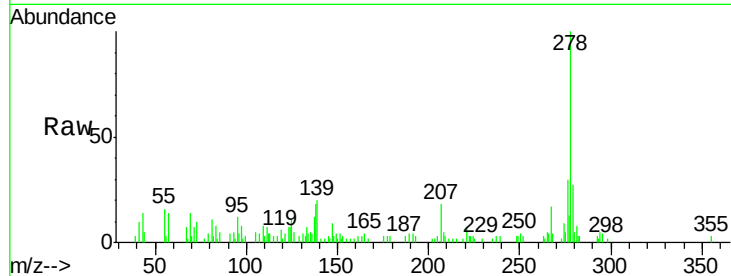
Tgt Ion:278 Resp: 23531

Ion Ratio Lower Upper

278 100

139 20.0 15.7 23.5

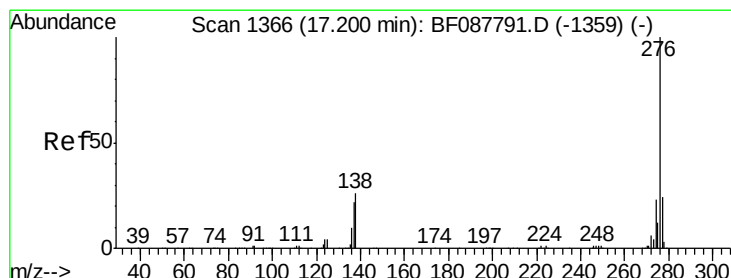
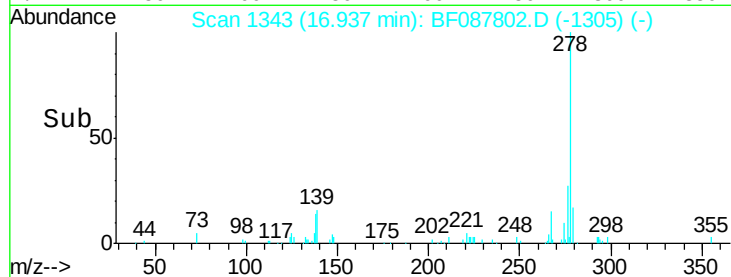
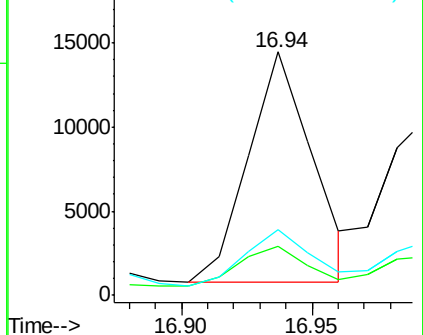
279 26.8 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.37 ng

RT: 17.19 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 22:49

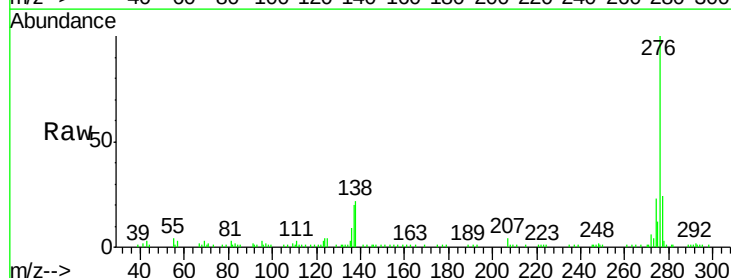
Tgt Ion:276 Resp: 119569

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 22.4 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

