

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060716\
 Data File : BF087804.D
 Acq On : 7 Jun 2016 23:48
 Operator : UM/SJ
 Sample : H3379-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-7

Quant Time: Jun 08 04:57:46 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	100400	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	408689	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	171880	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	274332	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	205664	20.00	ng	-0.01
86) Perylene-d12	15.39	264	206027	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	547918	93.30	ng	0.01
7) Phenol-d6	6.48	99	779777	109.56	ng	0.00
23) Nitrobenzene-d5	7.40	82	455326	65.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	146854	80.92	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	722625	64.72	ng	-0.01
78) Terphenyl-d14	12.94	244	536672	59.38	ng	-0.01

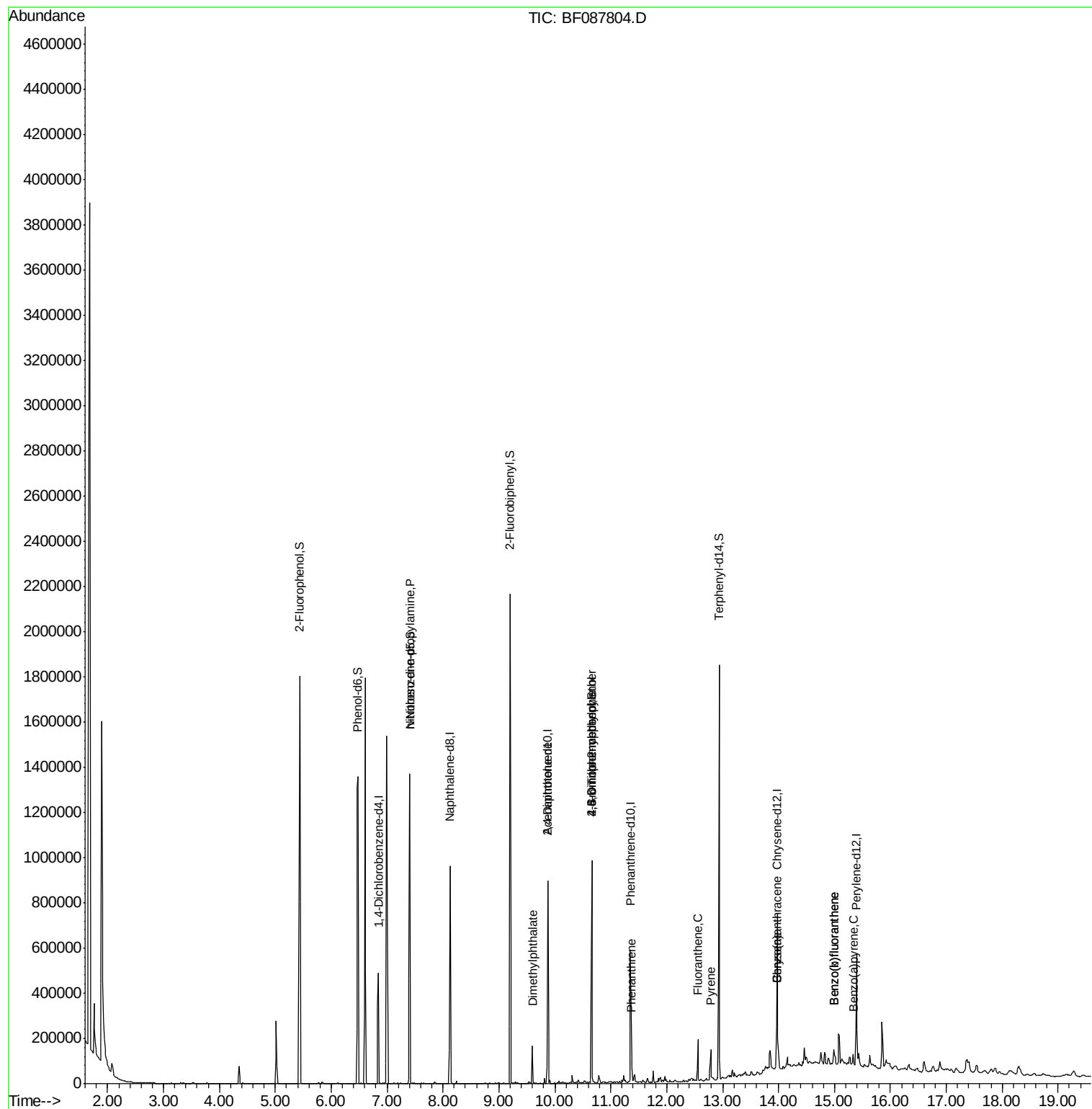
Target Compounds				Qvalue		
10) Phenol	6.48	94	4139	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.40	70	60004	13.18	ng	73
45) 1,1'-Biphenyl	9.30	154	487	Below Cal		85
49) Dimethylphthalate	9.60	163	103278	8.29	ng	98
56) 2,4-Dinitrotoluene	9.87	165	22160	6.05	ng	# 37
57) Fluorene	10.42	166	3991	Below Cal		95
64) 4,6-Dinitro-2-methylphenol	10.66	198	233	2.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	8951	3.04	ng	# 1
70) Phenanthrene	11.37	178	52478	3.65	ng	99
74) Fluoranthene	12.56	202	72935	4.80	ng	95
77) Pyrene	12.79	202	62226	4.08	ng	98
80) Benzo(a)anthracene	13.97	228	34306	2.93	ng	97
82) Chrysene	13.97	228	34306	3.11	ng	97
87) Benzo(b)fluoranthene	14.99	252	50738	3.53	ng	# 91
88) Benzo(k)fluoranthene	14.99	252	50738	4.68	ng	# 95
89) Benzo(a)pyrene	15.34	252	27894	2.40	ng	99

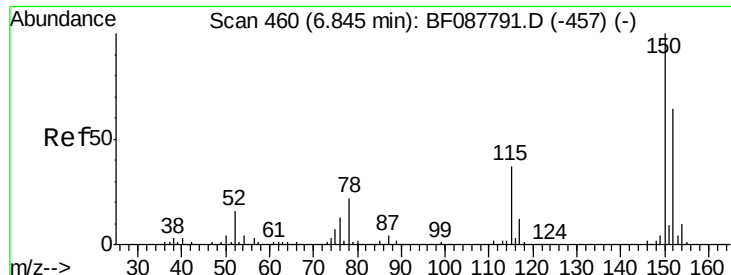
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060716\
Data File : BF087804.D
Acq On : 7 Jun 2016 23:48
Operator : UM/SJ
Sample : H3379-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-7

Quant Time: Jun 08 04:57:46 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

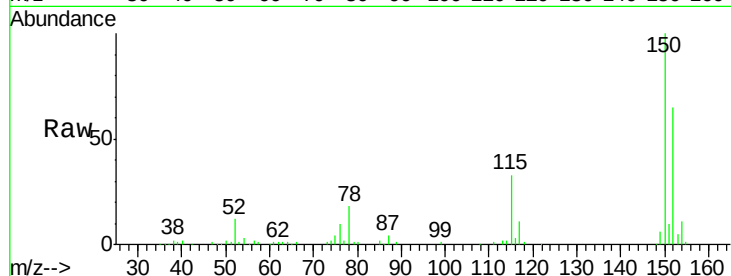




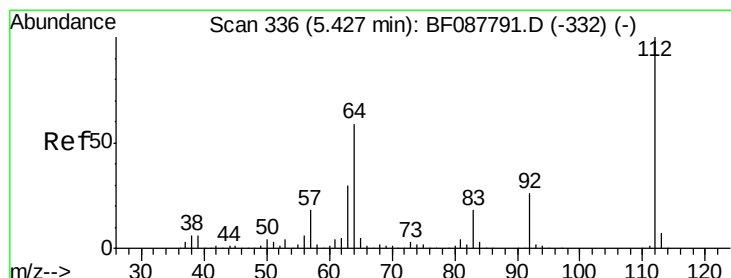
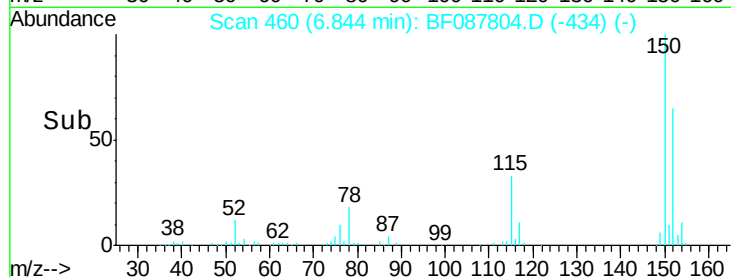
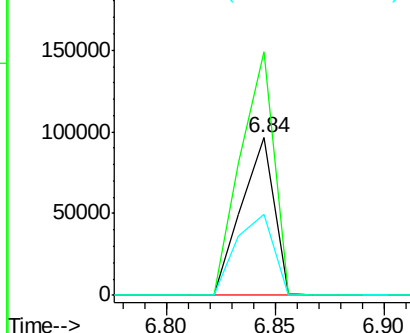
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Instrument :
 BNA_F
 ClientSampleId :
 SS-7

Tgt Ion:152 Resp: 100400
 Ion Ratio Lower Upper
 152 100
 150 154.5 123.8 185.6
 115 51.4 39.6 59.4

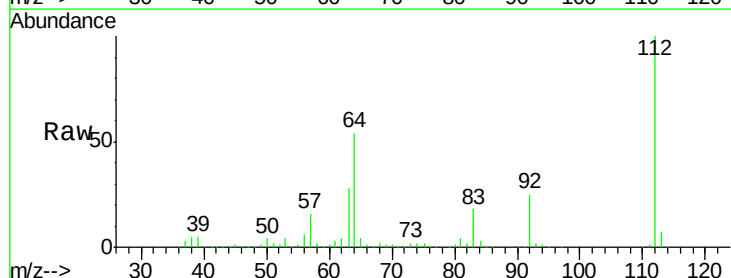


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

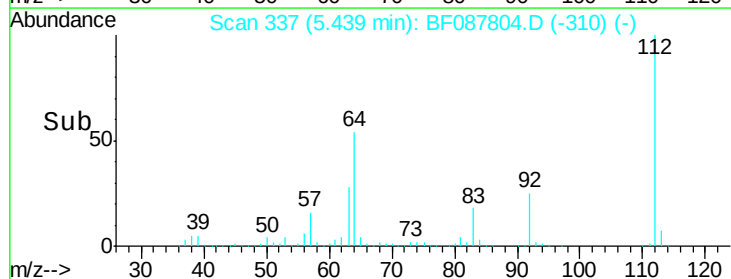
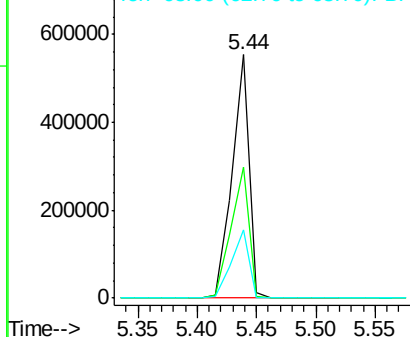


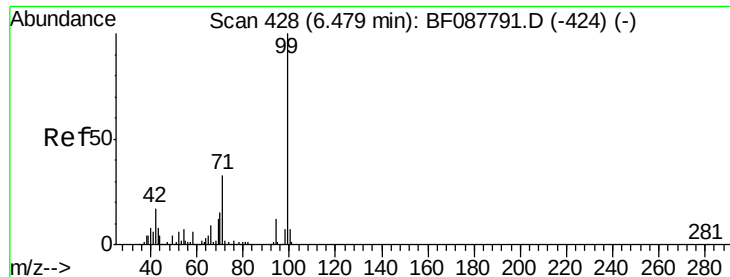
#5
 2-Fluorophenol
 Concen: 93.30 ng
 RT: 5.44 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Tgt Ion:112 Resp: 547918
 Ion Ratio Lower Upper
 112 100
 64 53.8 42.2 63.2
 63 28.0 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





#7

Phenol-d6

Concen: 109.56 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

Instrument :

BNA_F

ClientSampleId :

SS-7

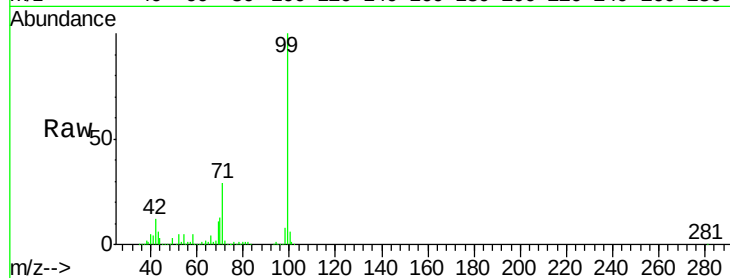
Tgt Ion: 99 Resp: 779777

Ion Ratio Lower Upper

99 100

42 12.2 12.2 18.2

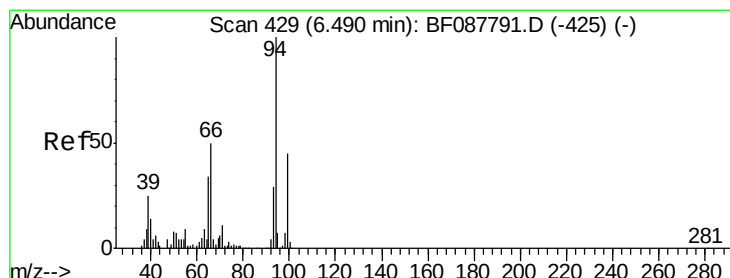
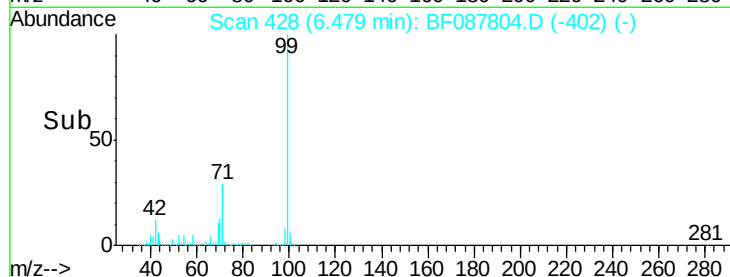
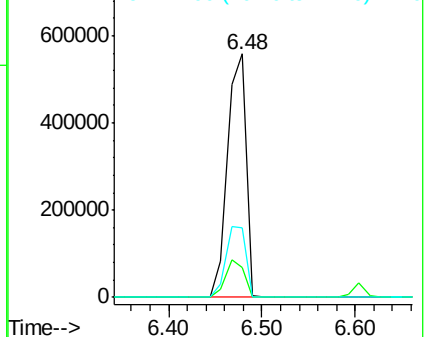
71 28.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

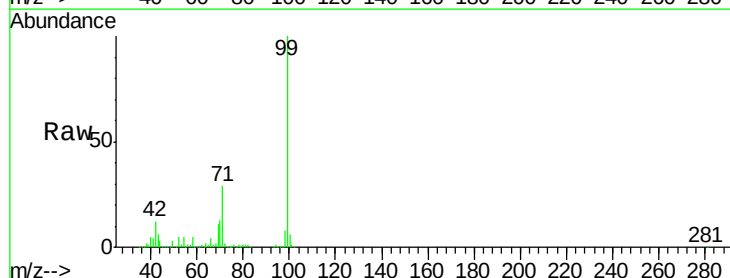
Tgt Ion: 94 Resp: 4139

Ion Ratio Lower Upper

94 100

65 161.5 5.9 45.9#

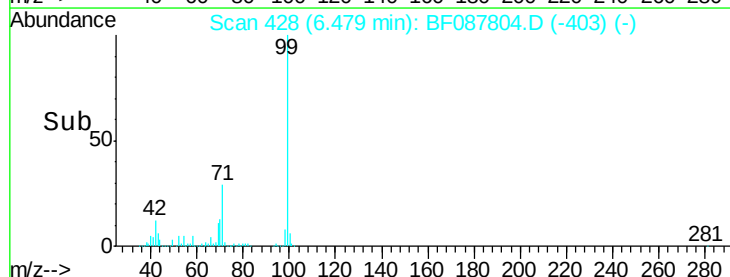
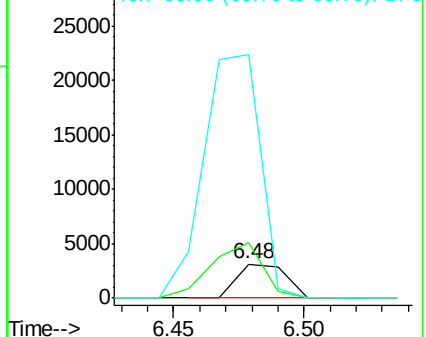
66 714.4 14.0 54.0#

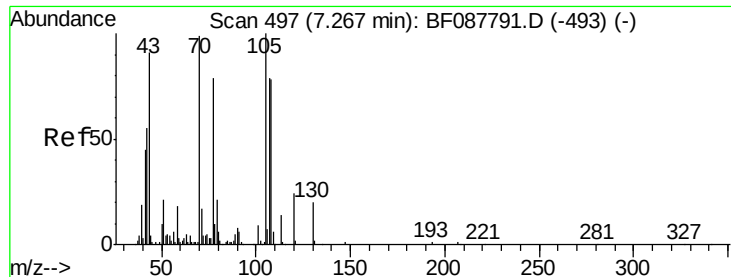


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

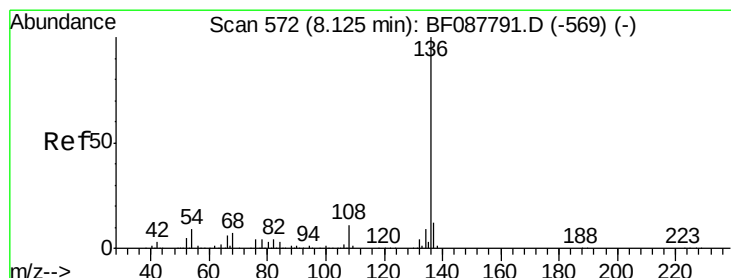
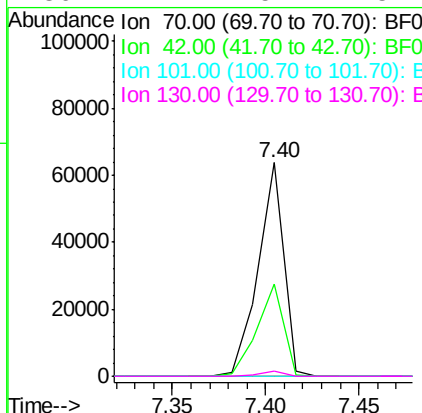
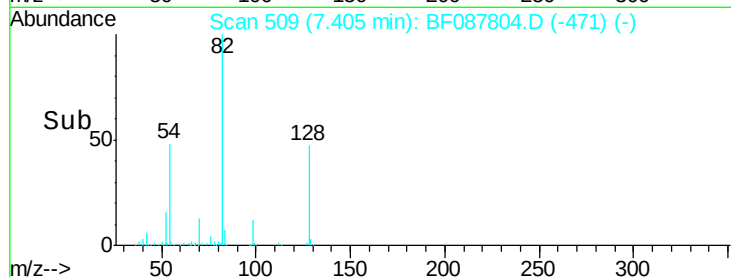
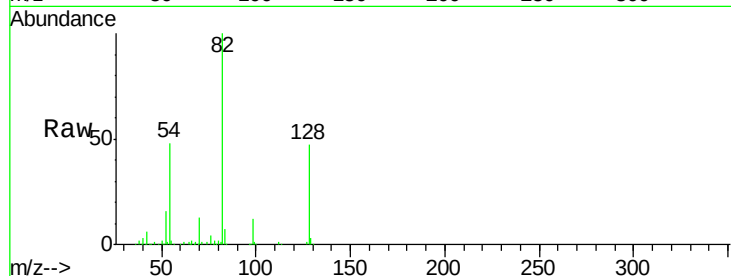




#19
n-Nitroso-di-n-propylamine
Concen: 13.18 ng
RT: 7.40 min Scan# 509
Delta R.T. 0.14 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

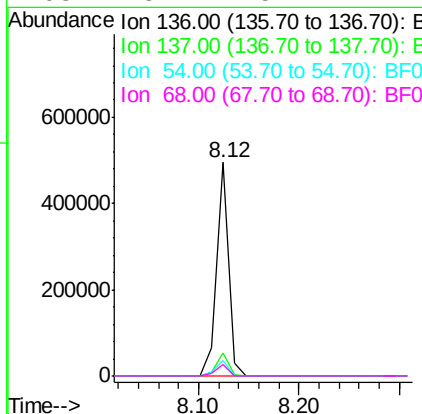
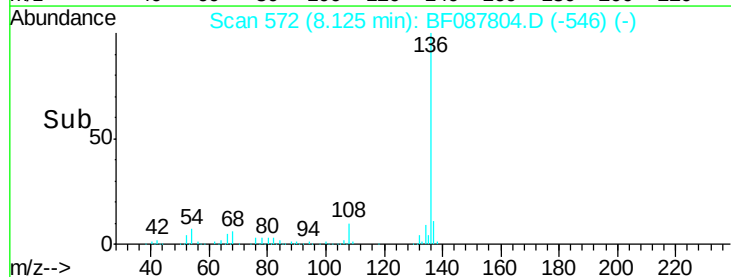
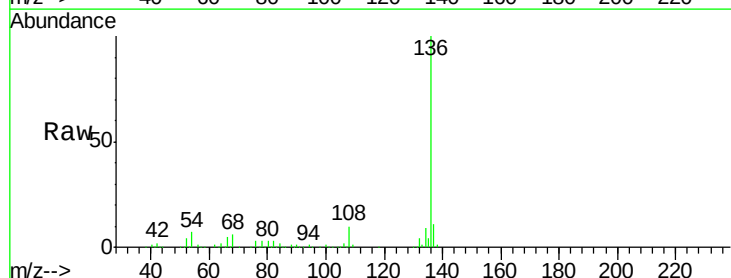
Instrument :
BNA_F
ClientSampled :
SS-7

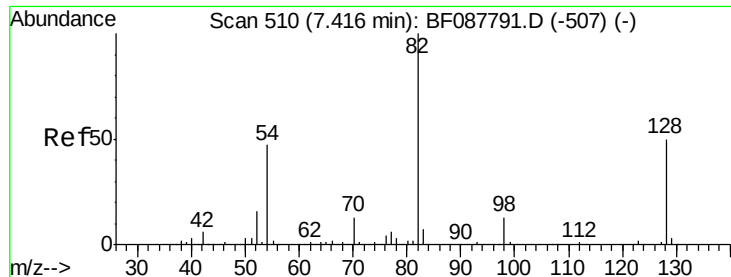
Tgt Ion: 70 Resp: 60004
Ion Ratio Lower Upper
70 100
42 43.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.00 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

Tgt Ion: 136 Resp: 408689
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.1 6.6 10.0
68 5.7 5.1 7.7

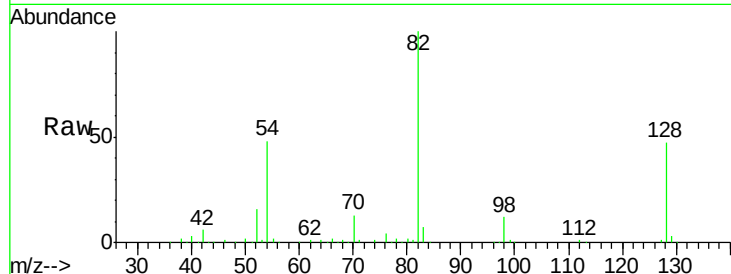




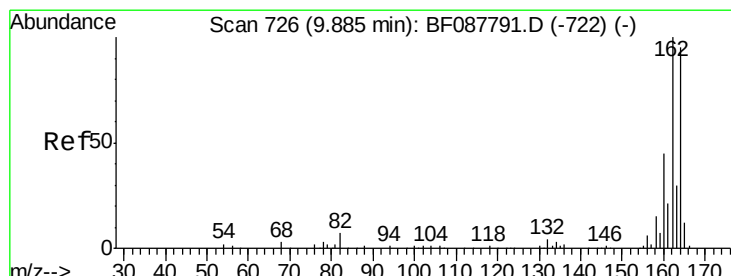
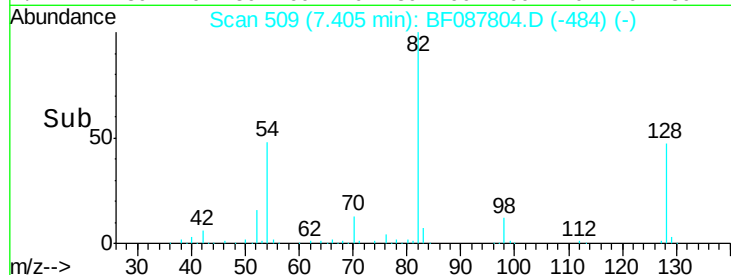
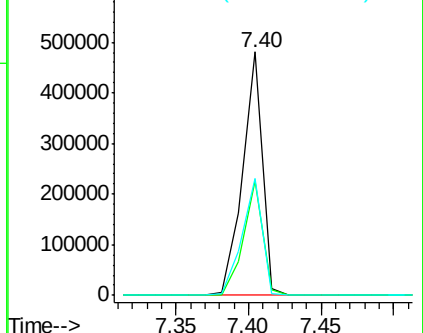
#23
 Nitrobenzene-d5
 Concen: 65.06 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Instrument :
 BNA_F
 ClientSampleId :
 SS-7

Tgt Ion: 82 Resp: 455326
 Ion Ratio Lower Upper
 82 100
 128 47.0 35.9 53.9
 54 47.9 40.9 61.3

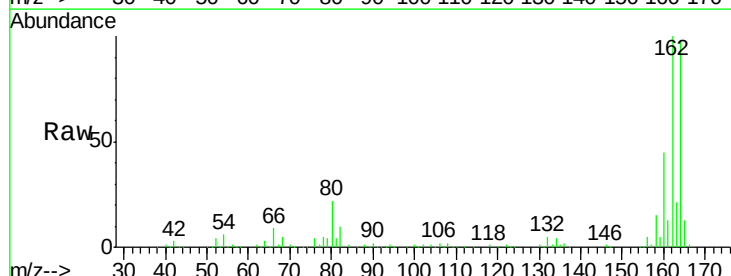


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

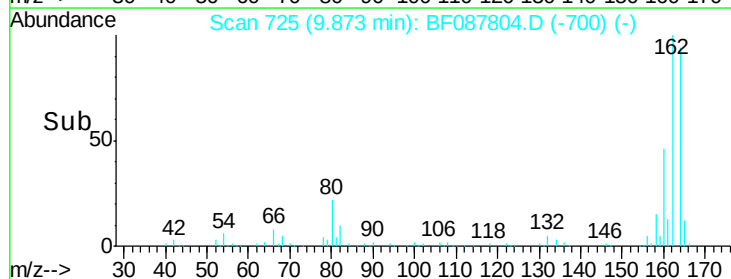
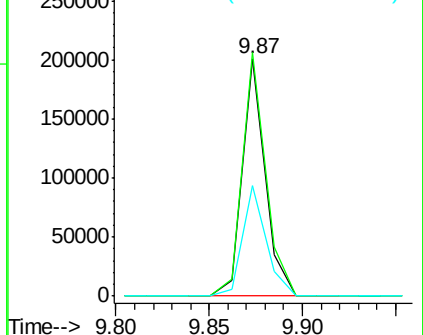


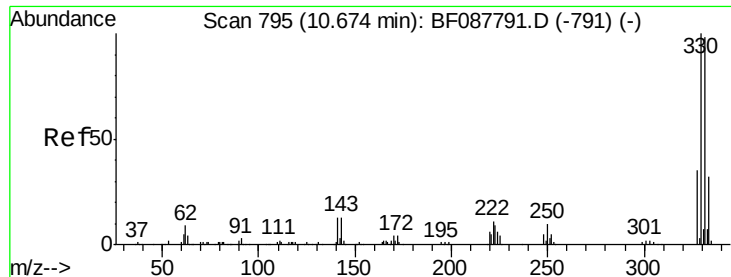
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Tgt Ion: 164 Resp: 171880
 Ion Ratio Lower Upper
 164 100
 162 102.4 85.4 128.2
 160 46.6 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

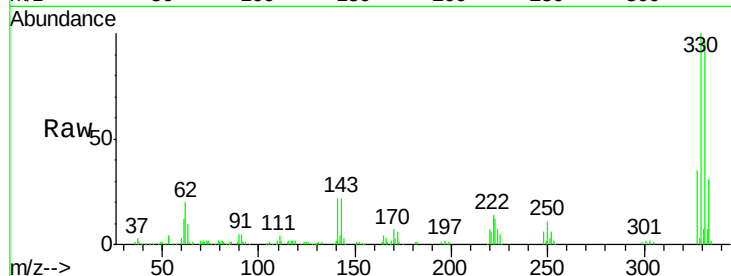




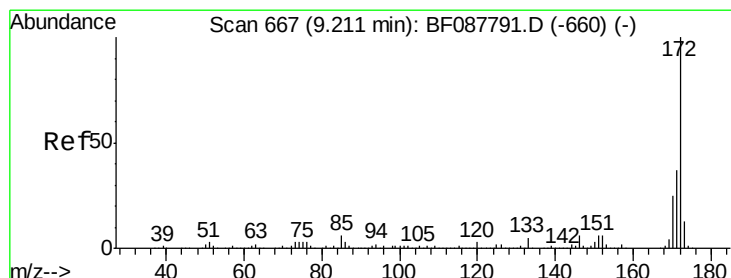
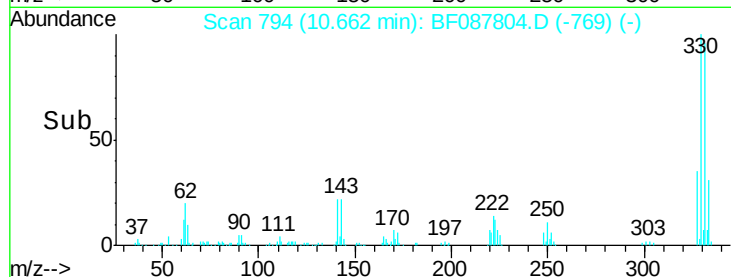
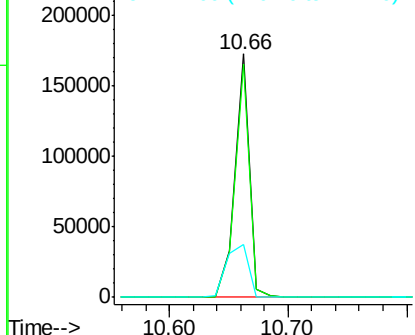
#41
 2,4,6-Tribromophenol
 Concen: 80.92 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Instrument :
 BNA_F
 ClientSampled :
 SS-7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	32.9	0.0	0.0#

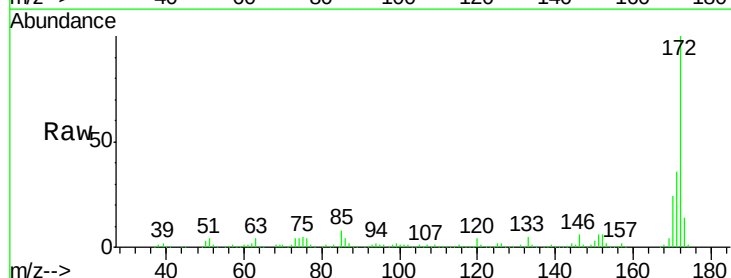


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

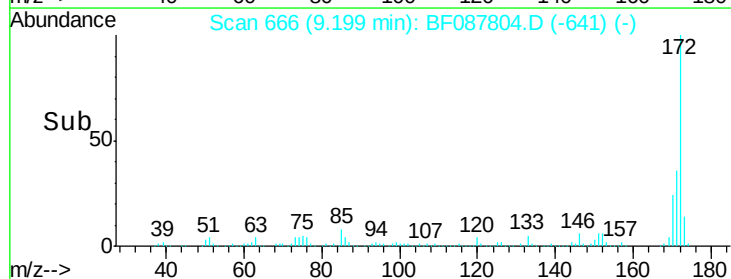
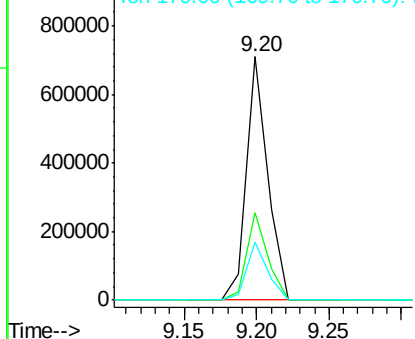


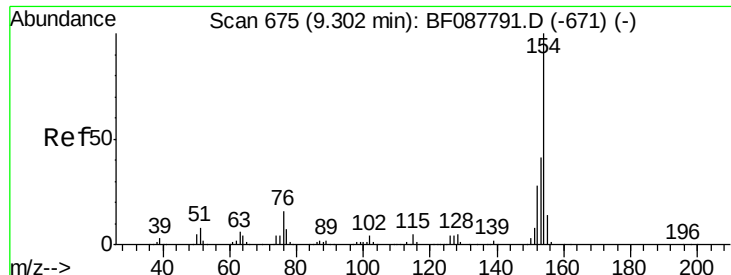
#44
 2-Fluorobiphenyl
 Concen: 64.72 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.0	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: BF087804.D

Acq: 7 Jun 2016 23:48

Instrument :

BNA_F

ClientSampleId :

SS-7

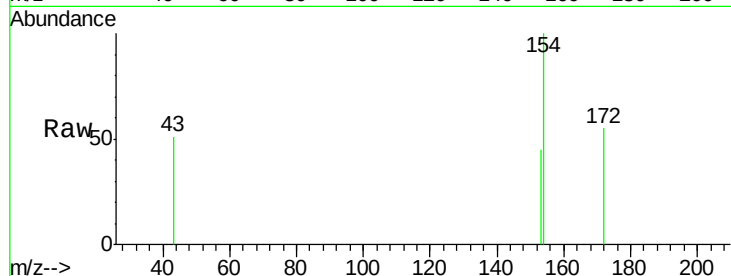
Tgt Ion:154 Resp: 487

Ion Ratio Lower Upper

154 100

153 45.4 20.6 60.6

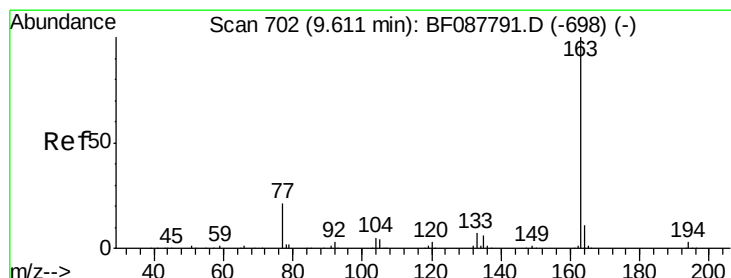
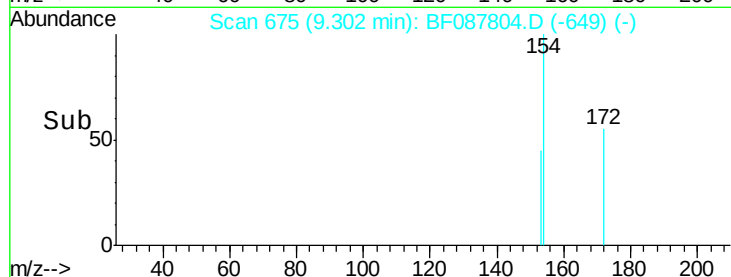
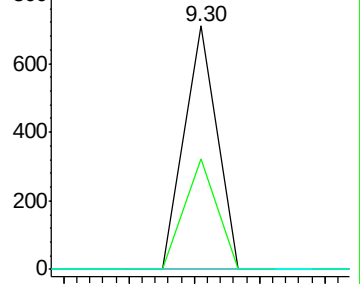
76 0.0 0.0 35.1



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: 8.29 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

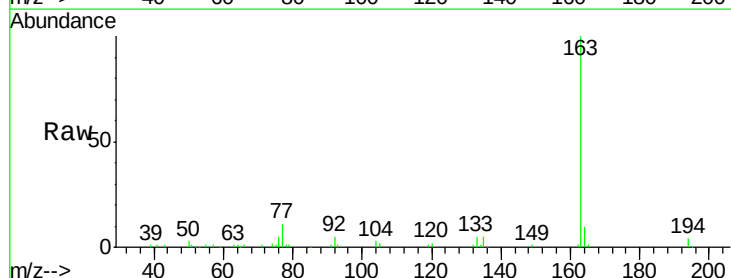
Tgt Ion:163 Resp: 103278

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

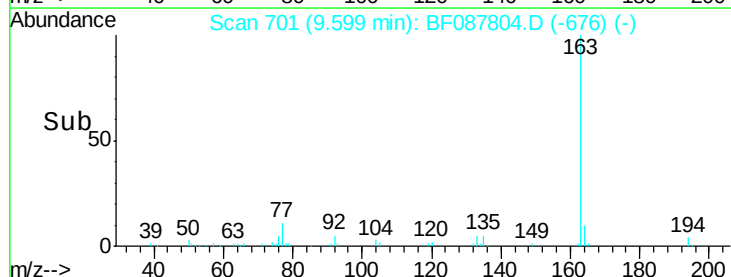
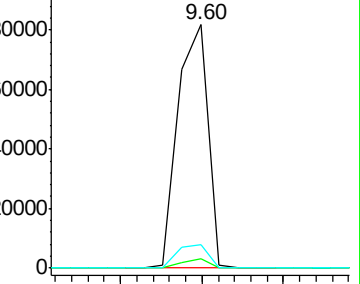
164 9.5 8.3 12.5

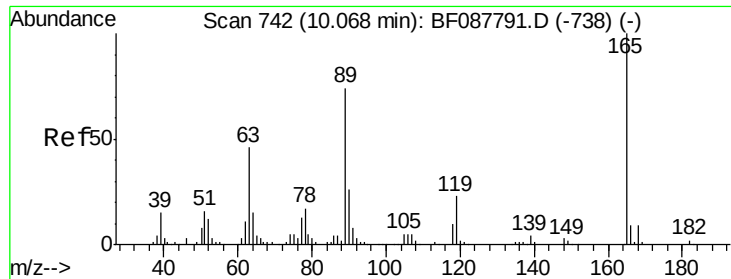


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.05 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

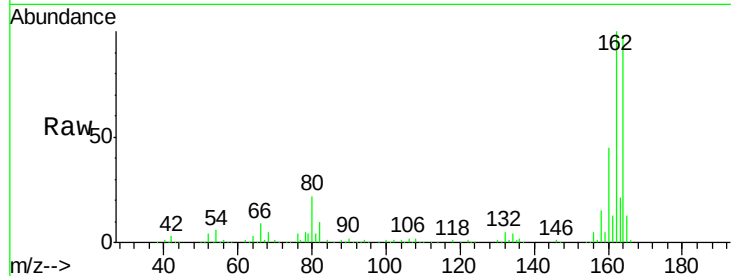
Instrument :

BNA_F

ClientSampleId :

SS-7

Tgt Ion:	165	Resp:	22160
Ion Ratio	Lower	Upper	
165	100		
63	1.4	22.0	33.0#
89	1.2	41.1	61.7#
182	0.0	2.0	3.0#

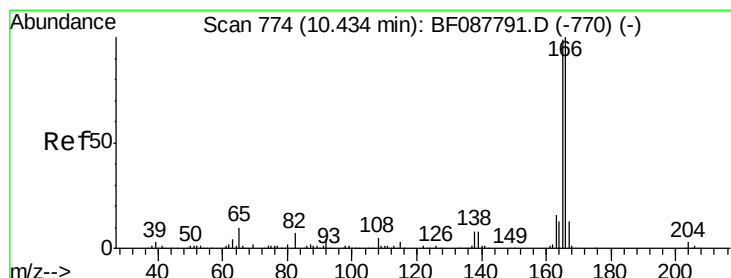
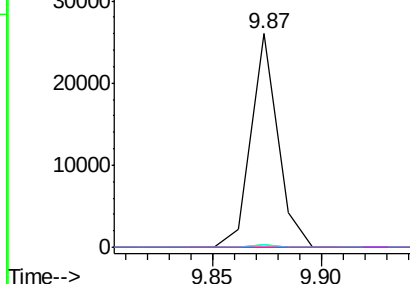
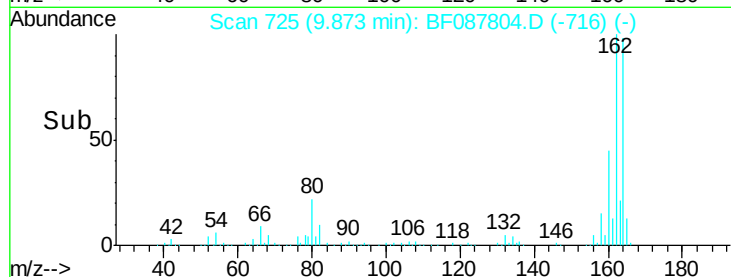


Abundance Ion 165.00 (164.70 to 165.70): E

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

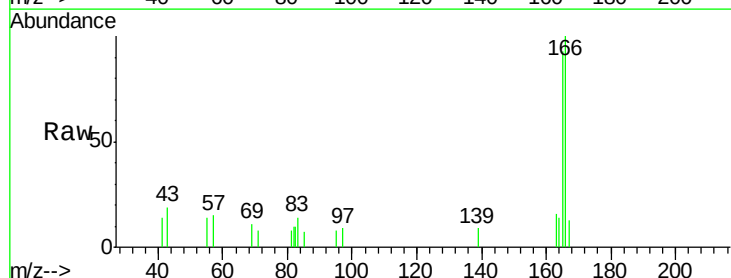
RT: 10.42 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

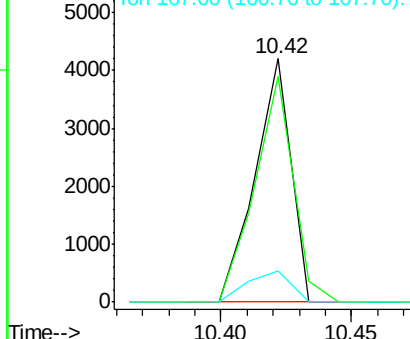
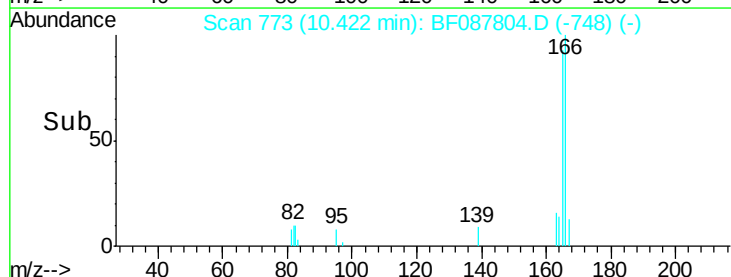
Tgt Ion:	166	Resp:	3991
Ion Ratio	Lower	Upper	
166	100		
165	92.6	77.8	116.8
167	12.8	11.2	16.8

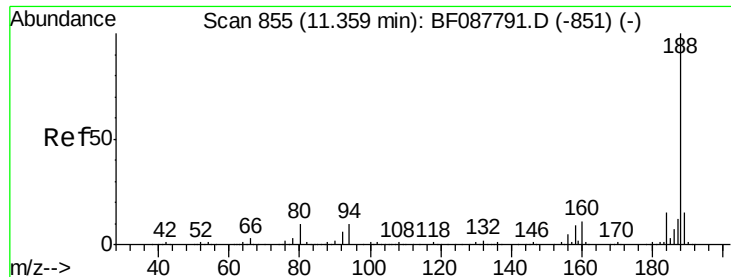


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

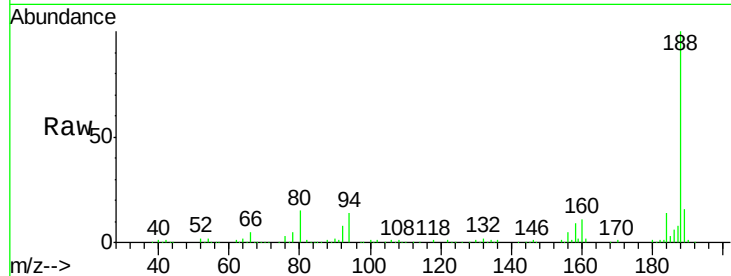




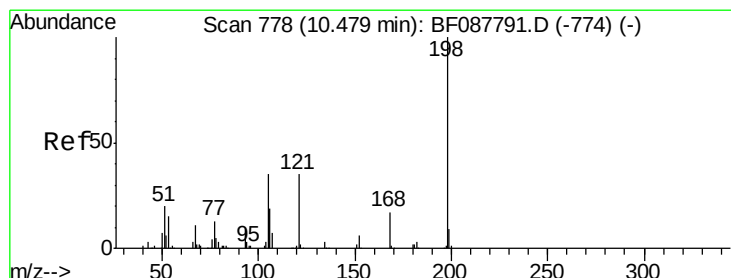
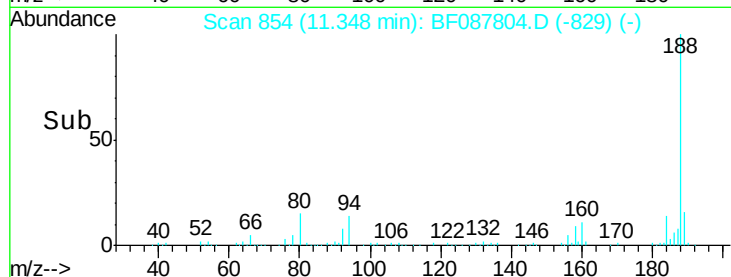
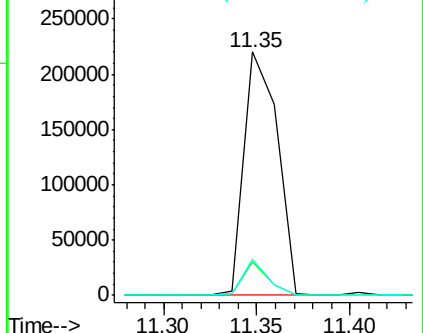
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Instrument :
 BNA_F
 ClientSampleId :
 SS-7

Tgt Ion:188 Resp: 274332
 Ion Ratio Lower Upper
 188 100
 94 13.9 9.0 13.6#
 80 14.8 10.0 15.0

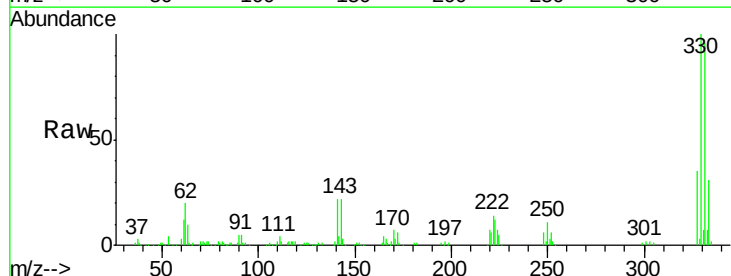


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

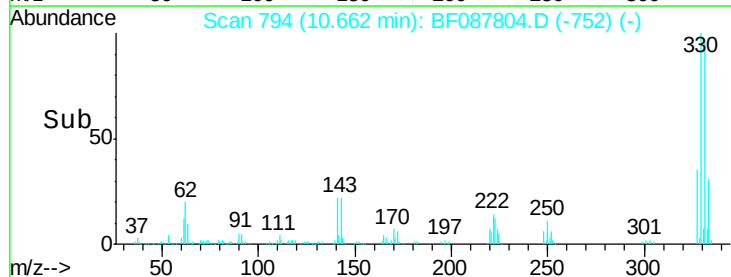
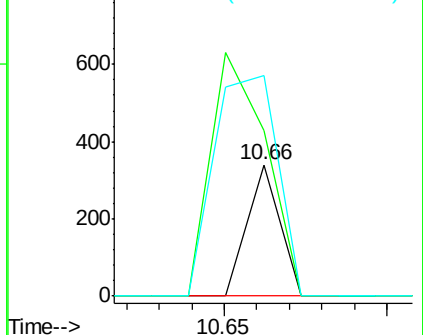


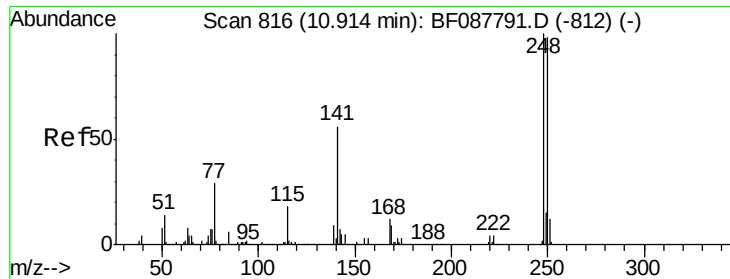
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.29 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.18 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Tgt Ion:198 Resp: 233
 Ion Ratio Lower Upper
 198 100
 51 126.5 39.6 79.6#
 105 167.9 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: 3.04 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.25 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

Instrument :

BNA_F

ClientSampleId :

SS-7

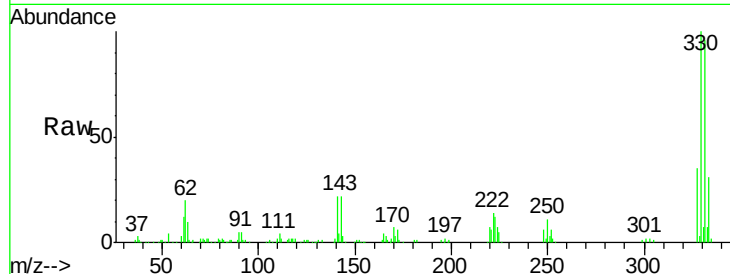
Tgt Ion:248 Resp: 8951

Ion Ratio Lower Upper

248 100

250 200.0 77.1 115.7#

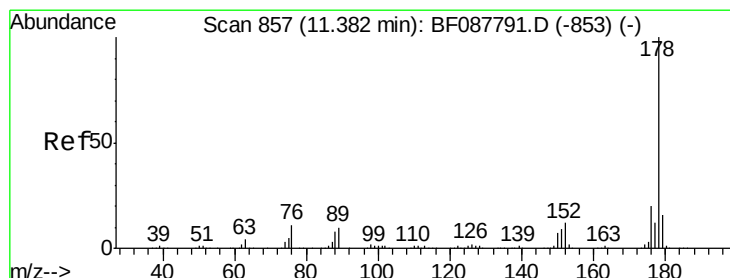
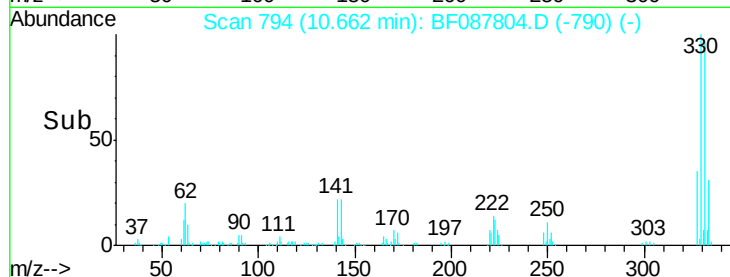
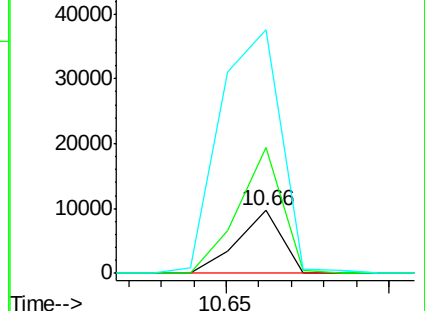
141 387.2 50.6 76.0#



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: 3.65 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

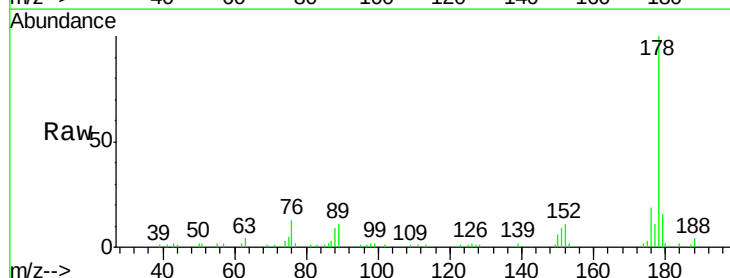
Tgt Ion:178 Resp: 52478

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

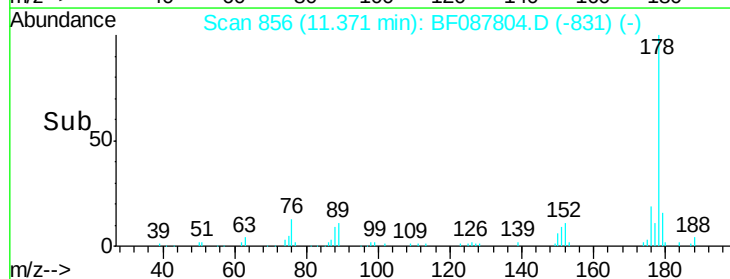
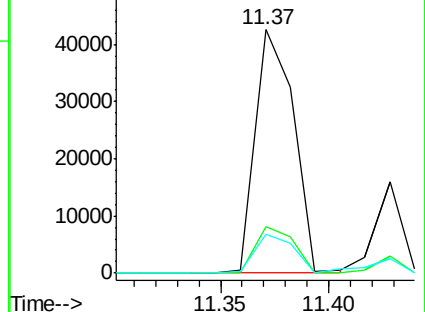
179 16.0 13.0 19.4

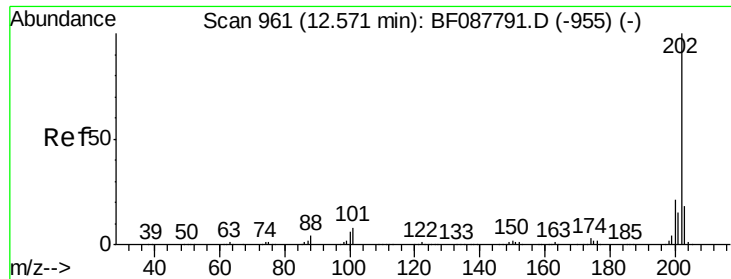


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

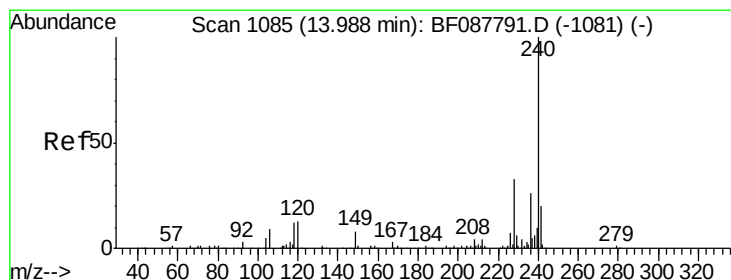
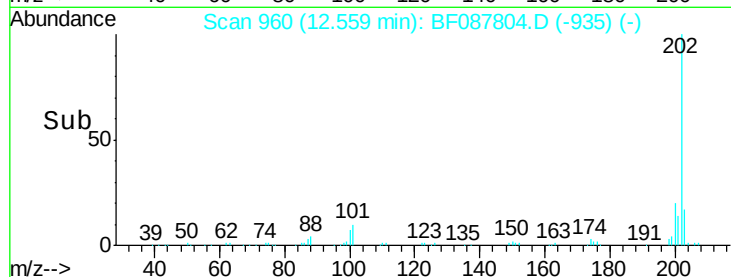
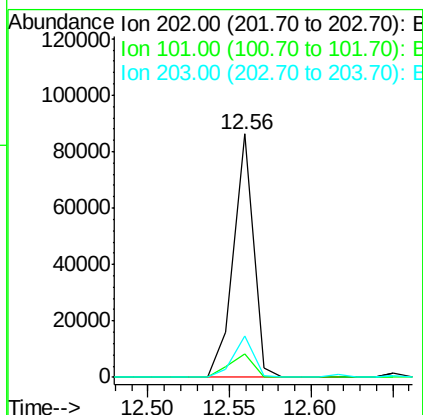
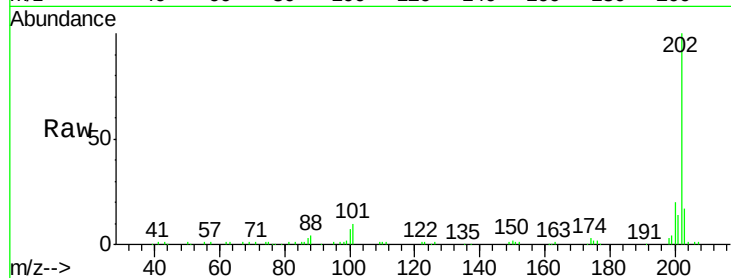




#74
Fluoranthene
Concen: 4.80 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

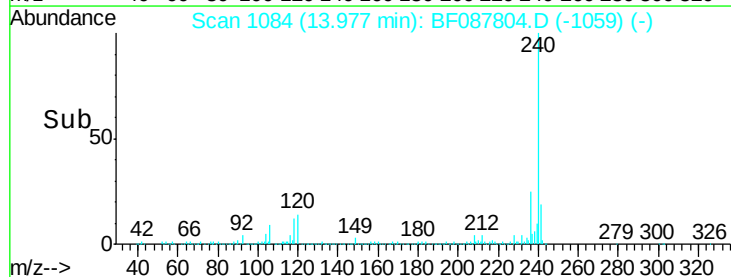
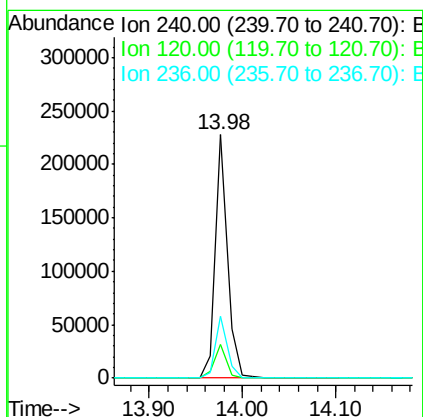
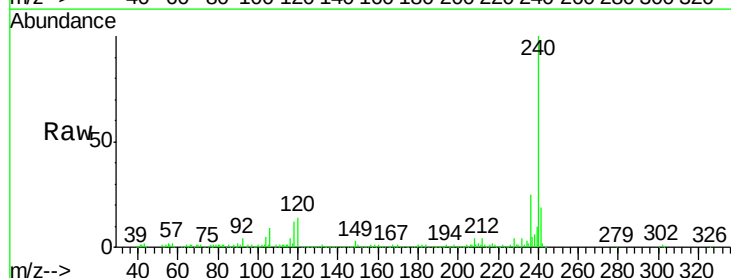
Instrument :
BNA_F
ClientSampleId :
SS-7

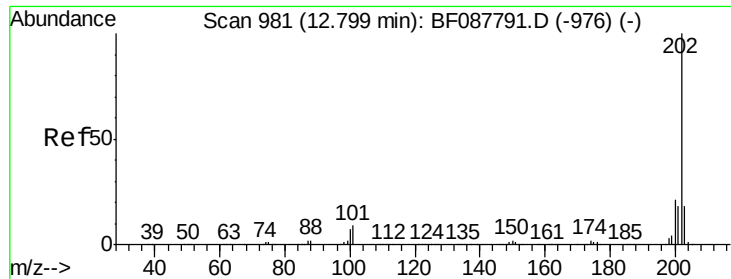
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	33.1
203	17.2	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	6.8	10.2#
236	25.5	20.2	30.2

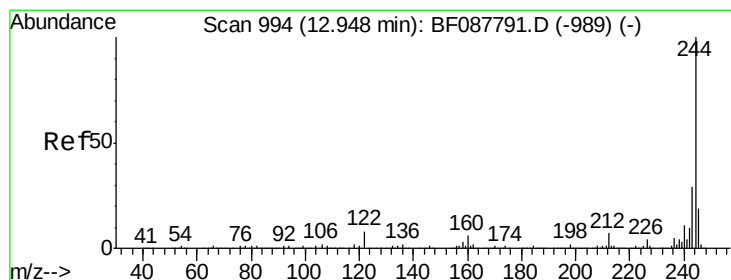
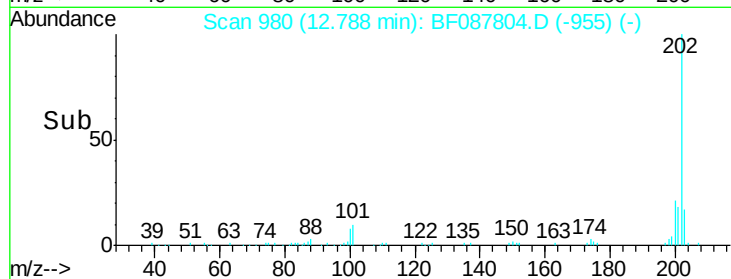
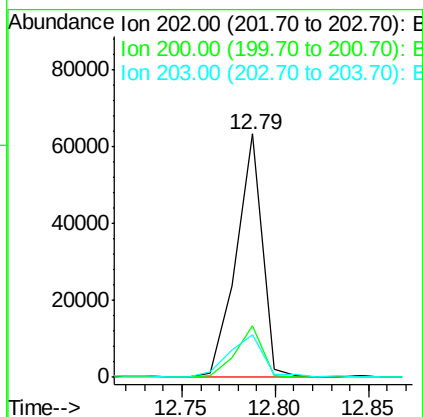
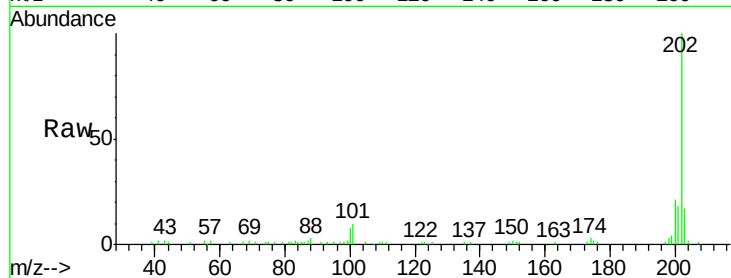




#77
 Pyrene
 Concen: 4.08 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

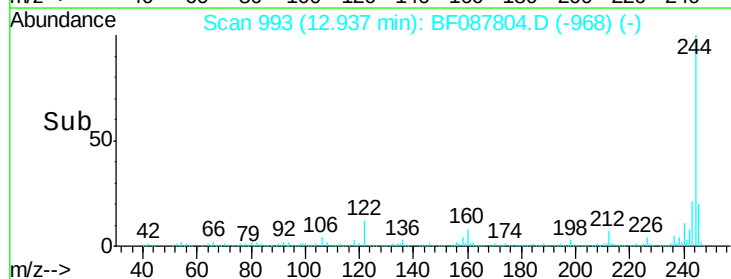
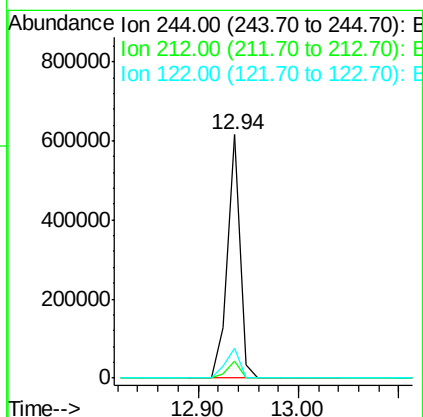
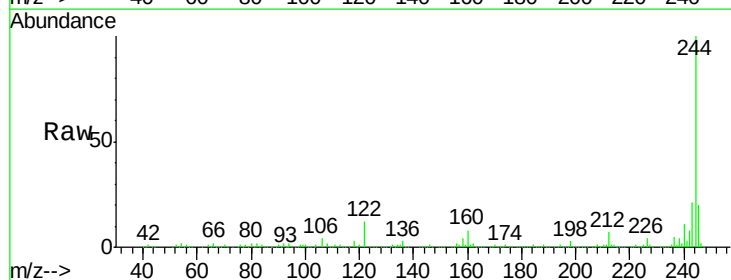
Instrument :
 BNA_F
 ClientSampleId :
 SS-7

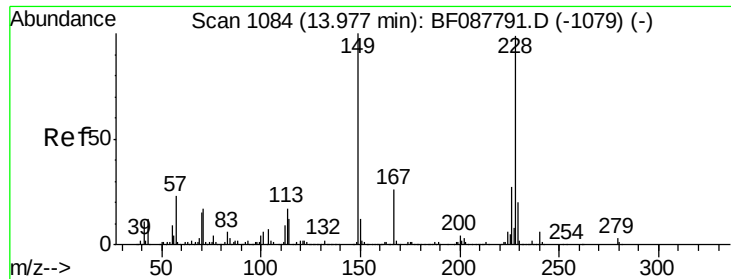
Tgt Ion: 202 Resp: 62226
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 17.3 14.5 21.7



#78
 Terphenyl-d14
 Concen: 59.38 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087804.D
 Acq: 7 Jun 2016 23:48

Tgt Ion: 244 Resp: 536672
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 12.4 11.2 16.8





#80

Benzo(a)anthracene

Concen: 2.93 ng

RT: 13.97 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

Instrument :

BNA_F

ClientSampleId :

SS-7

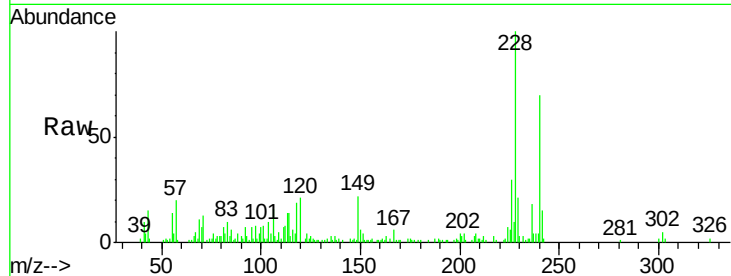
Tgt Ion:228 Resp: 34306

Ion Ratio Lower Upper

228 100

226 29.8 22.3 33.5

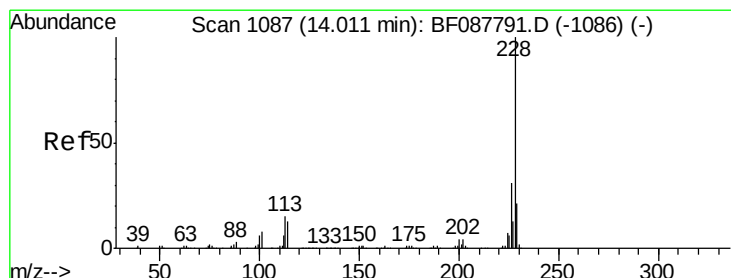
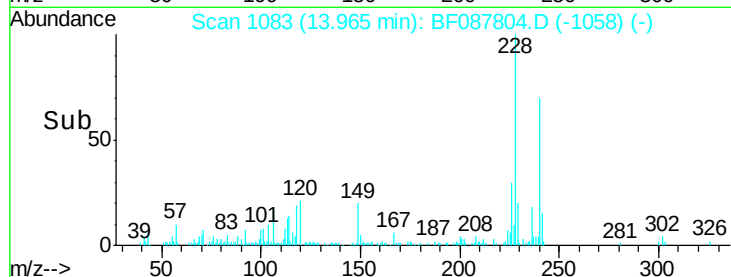
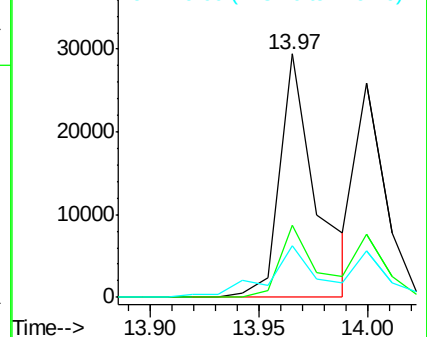
229 21.1 16.0 24.0



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: 3.11 ng

RT: 13.97 min Scan# 1083

Delta R.T. -0.05 min

Lab File: BF087804.D

Acq: 7 Jun 2016 23:48

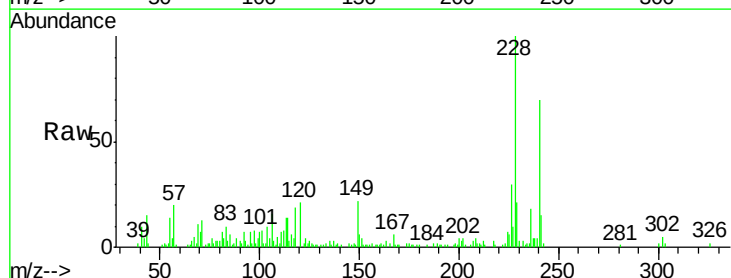
Tgt Ion:228 Resp: 34306

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

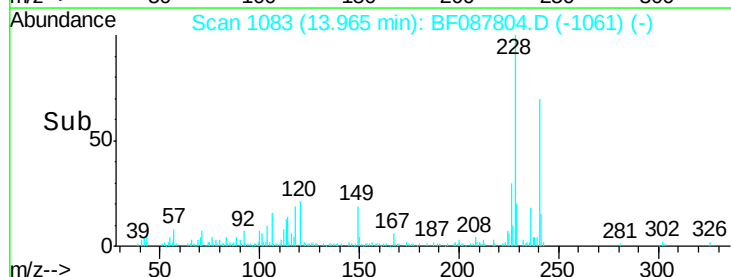
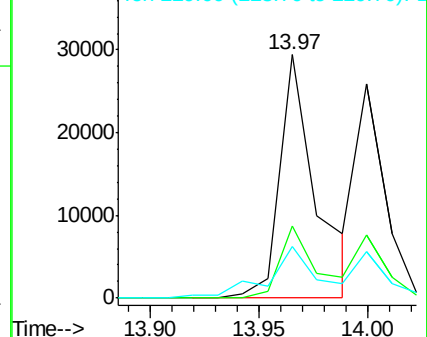
229 21.1 16.3 24.5

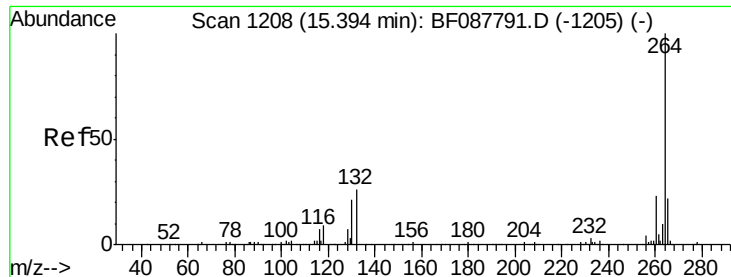


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

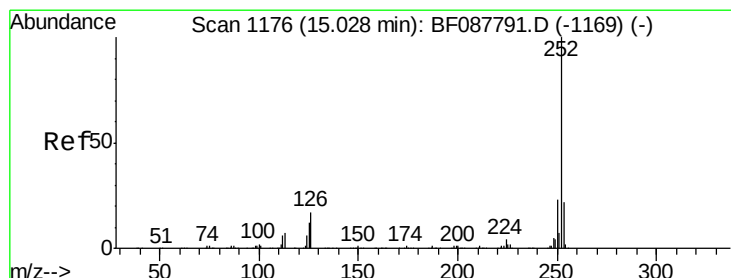
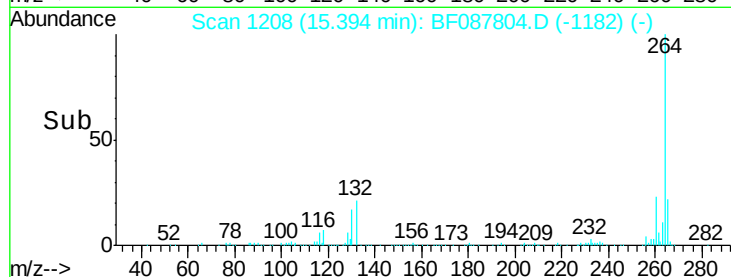
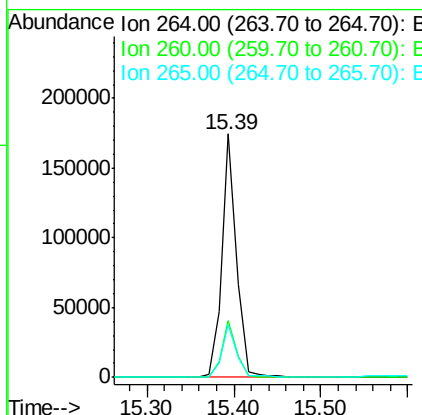
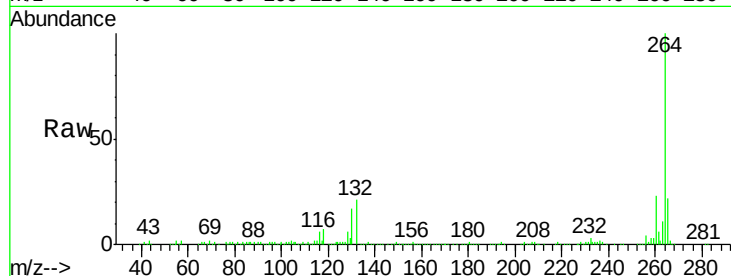




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

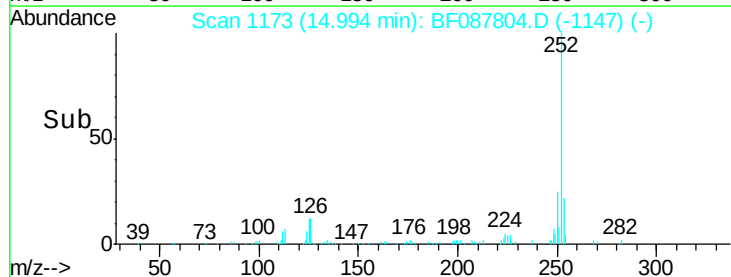
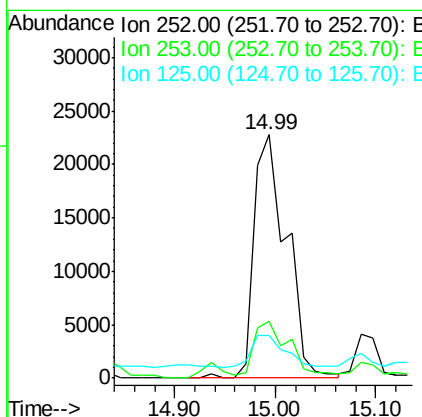
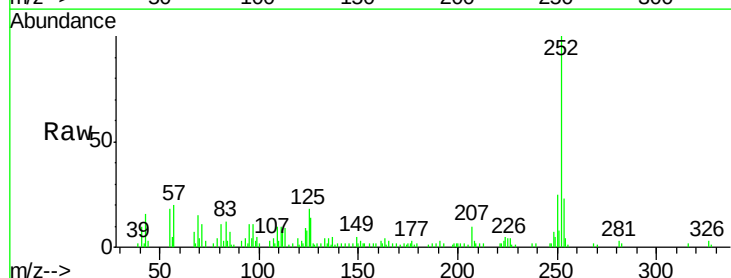
Instrument :
BNA_F
ClientSampleId :
SS-7

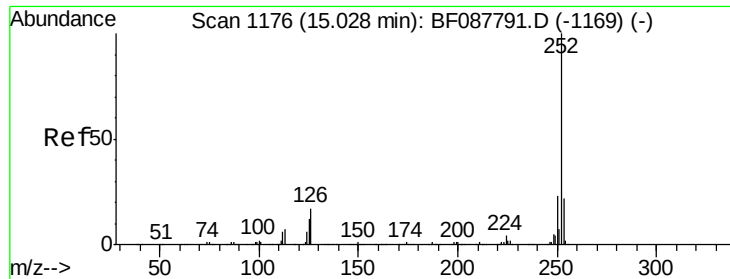
Tgt Ion:264 Resp: 206027
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.53 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

Tgt Ion:252 Resp: 50738
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 17.7 7.1 10.7#

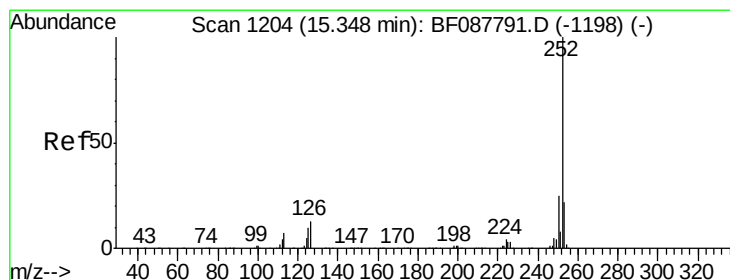
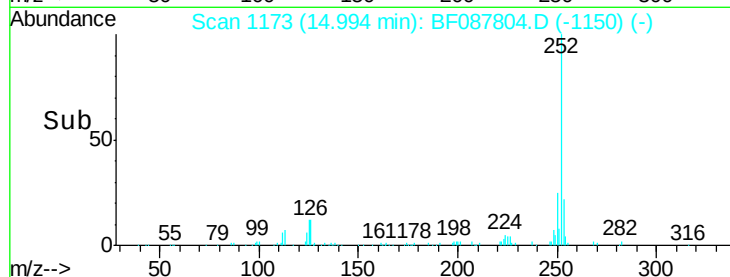
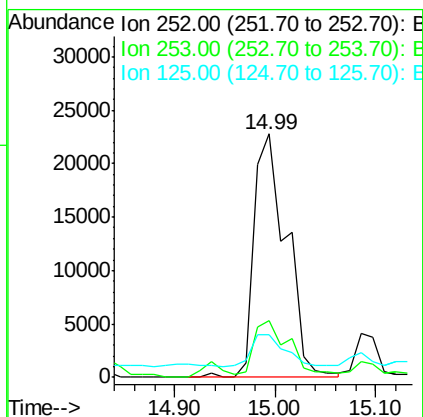
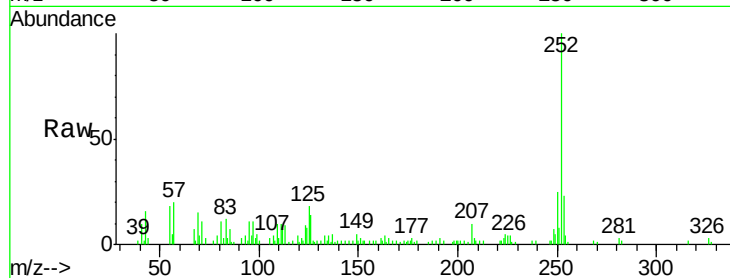




#88
Benzo(k)fluoranthene
Concen: 4.68 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

Instrument :
BNA_F
ClientSampleId :
SS-7

Tgt Ion:252 Resp: 50738
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 17.7 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 2.40 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF087804.D
Acq: 7 Jun 2016 23:48

Tgt Ion:252 Resp: 27894
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 14.6 12.5 18.7

