

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087812.D
 Acq On : 8 Jun 2016 16:22
 Operator : UM/SJ
 Sample : H3378-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Quant Time: Jun 09 07:05:46 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

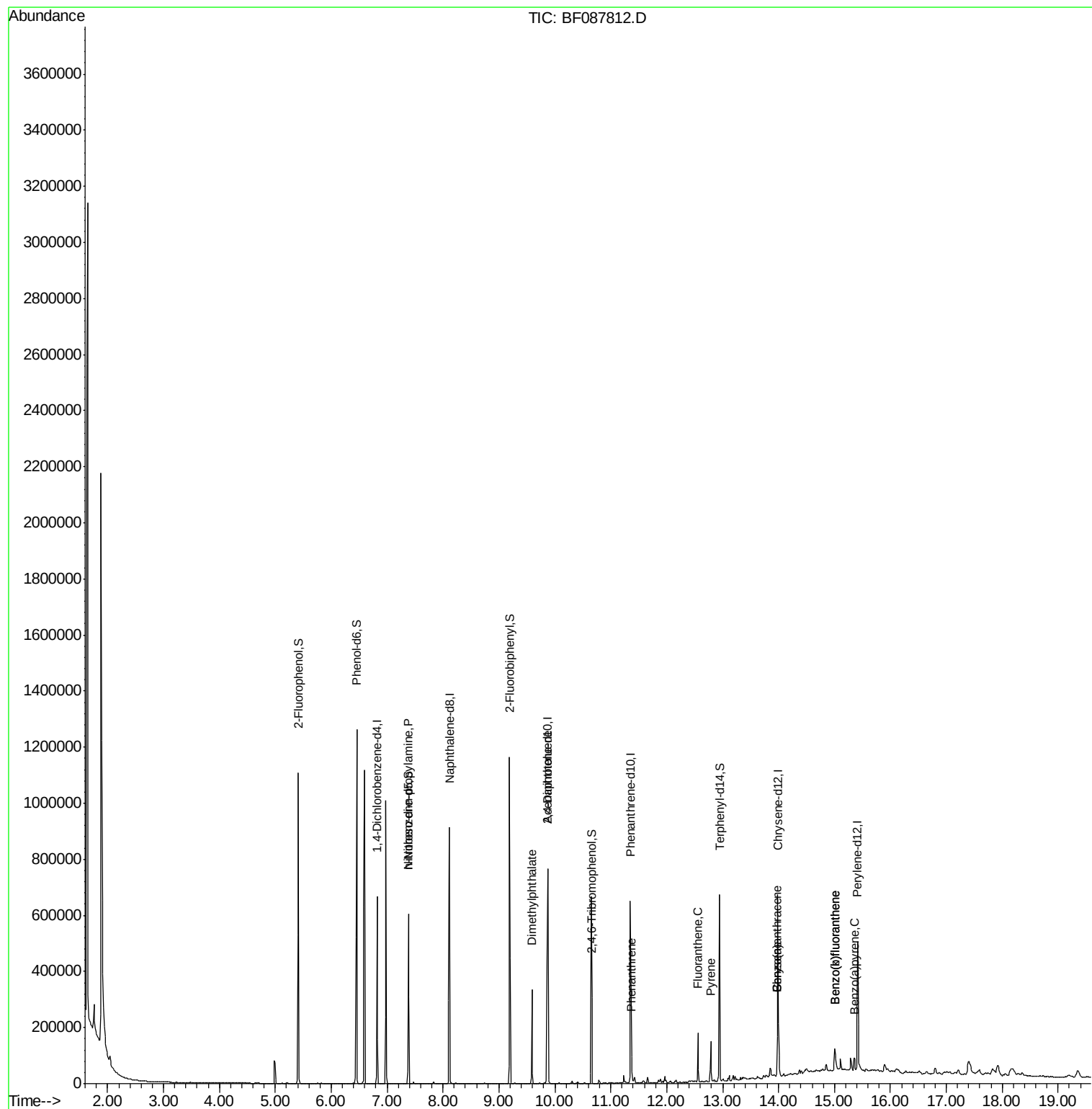
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	99097	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	435128	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	185139	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	292089	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	208282	20.00	ng	0.00
86) Perylene-d12	15.42	264	205675	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	353235	60.94	ng	-0.01
7) Phenol-d6	6.46	99	477124	67.92	ng	-0.02
23) Nitrobenzene-d5	7.38	82	229526	30.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	92226	47.18	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	404241	30.77	ng	-0.02
78) Terphenyl-d14	12.95	244	306730	33.51	ng	0.00
Target Compounds						
10) Phenol	6.47	94	1593	Below Cal	Qvalue 97	
19) n-Nitroso-di-n-propylamine	7.38	70	28729	6.39 ng	#	77
45) 1,1'-Biphenyl	9.19	154	532	Below Cal	#	1
49) Dimethylphthalate	9.59	163	127626	9.52 ng		99
56) 2,4-Dinitrotoluene	9.87	165	23440	5.94 ng	#	37
57) Fluorene	10.41	166	2132	Below Cal	#	95
70) Phenanthrene	11.37	178	40118	2.62 ng		99
74) Fluoranthene	12.56	202	68608	4.24 ng		98
77) Pyrene	12.79	202	58488	3.78 ng		99
80) Benzo(a)anthracene	13.98	228	31856	2.68 ng		97
82) Chrysene	13.98	228	31856	2.85 ng		97
87) Benzo(b)fluoranthene	15.01	252	52190	3.64 ng	#	91
88) Benzo(k)fluoranthene	15.01	252	52190	4.83 ng		97
89) Benzo(a)pyrene	15.36	252	26338	2.27 ng		97

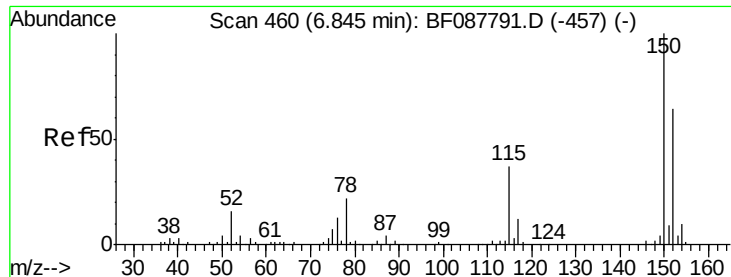
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
Data File : BF087812.D
Acq On : 8 Jun 2016 16:22
Operator : UM/SJ
Sample : H3378-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-20

Quant Time: Jun 09 07:05:46 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: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampled :

SS-20

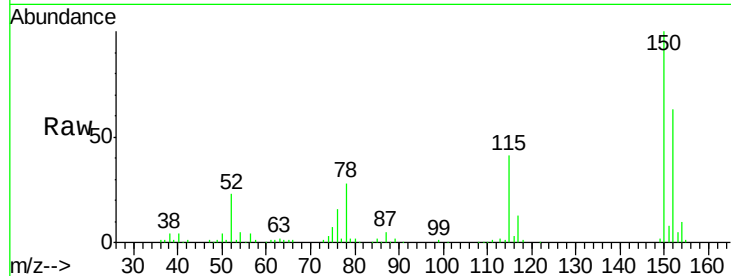
Tgt Ion:152 Resp: 99097

Ion Ratio Lower Upper

152 100

150 159.5 123.8 185.6

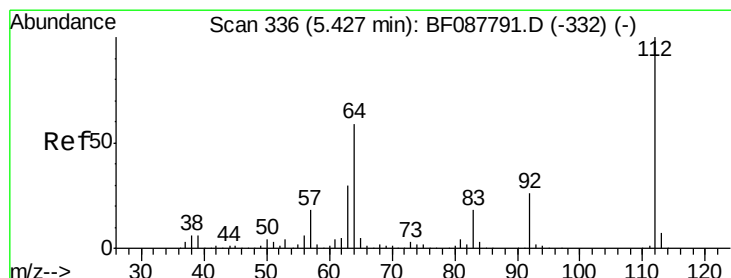
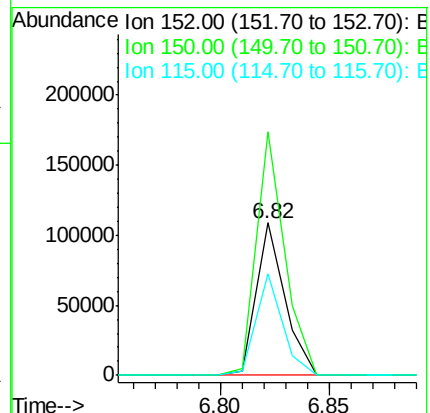
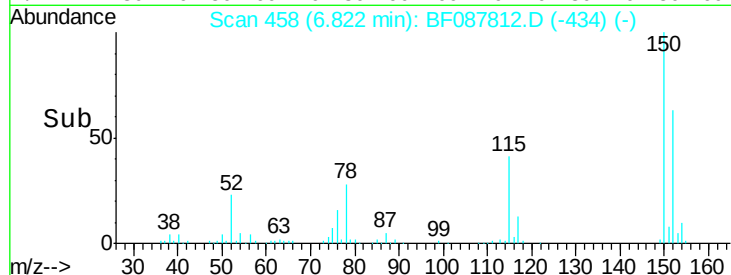
115 66.1 39.6 59.4#



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: 60.94 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

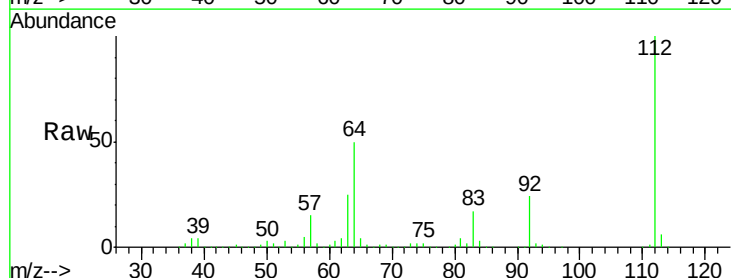
Tgt Ion:112 Resp: 353235

Ion Ratio Lower Upper

112 100

64 49.7 42.2 63.2

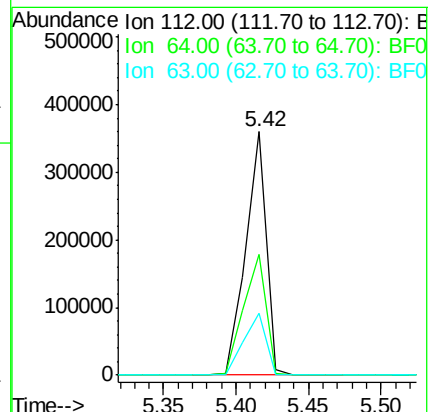
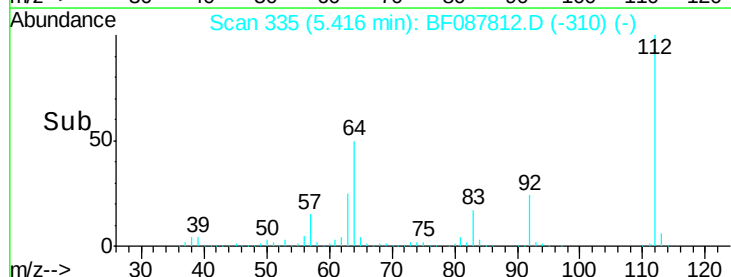
63 25.3 21.8 32.8

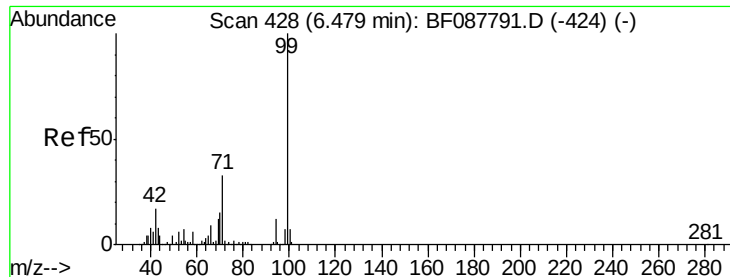


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.92 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

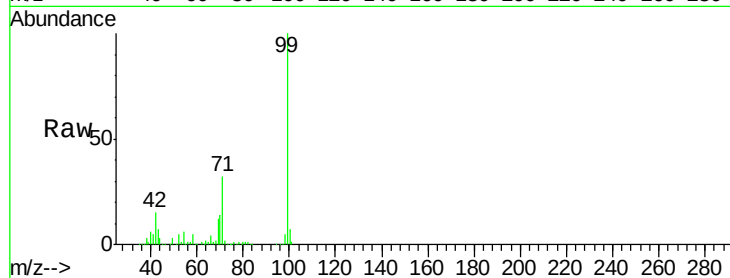
Tgt Ion: 99 Resp: 477124

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

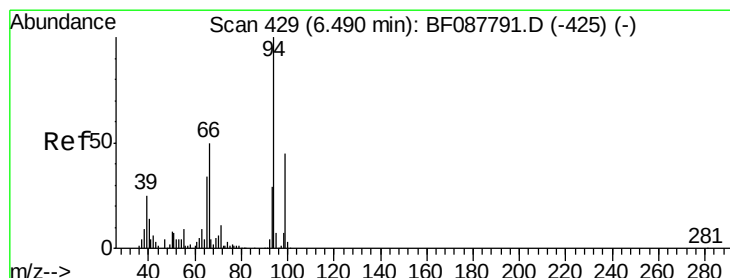
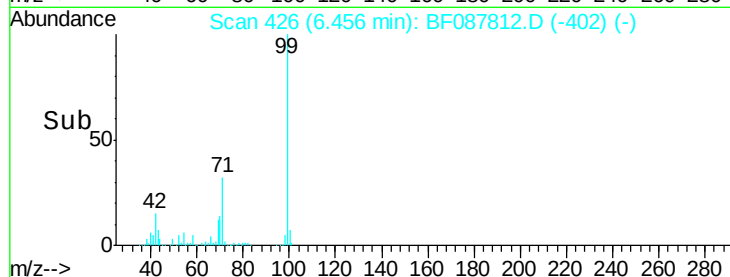
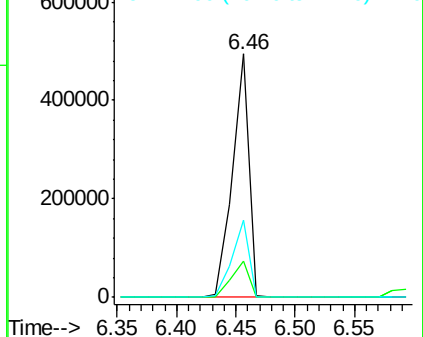
71 31.6 23.4 35.0



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: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

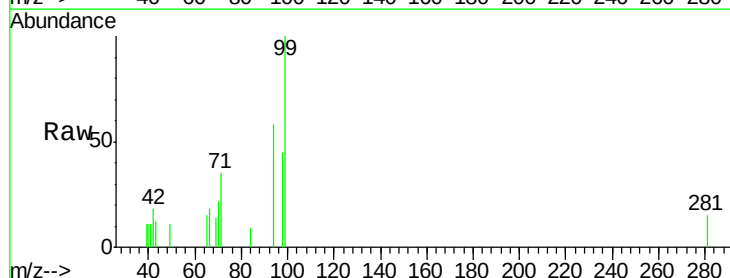
Tgt Ion: 94 Resp: 1593

Ion Ratio Lower Upper

94 100

65 25.9 5.9 45.9

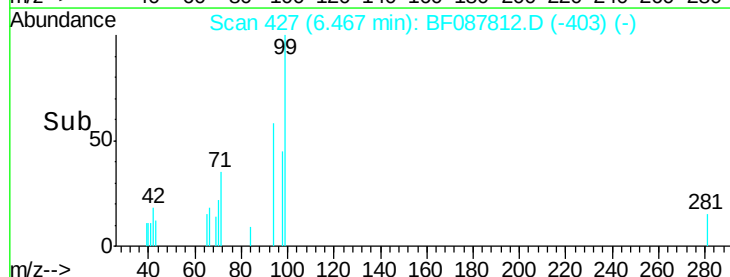
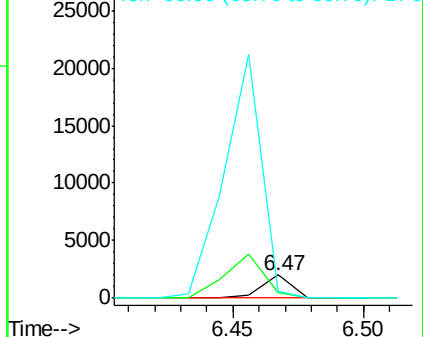
66 31.3 14.0 54.0

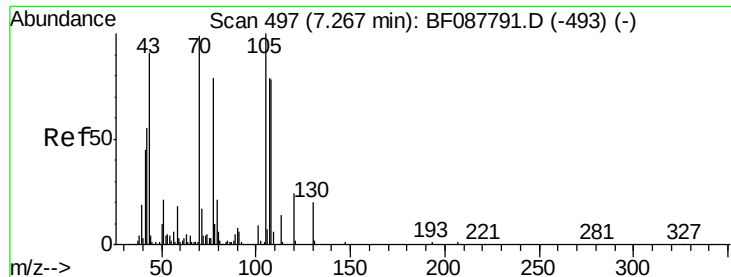


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

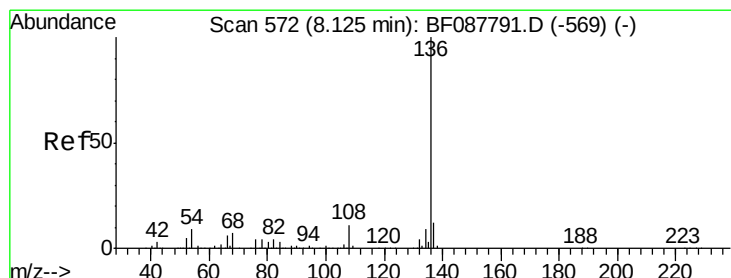
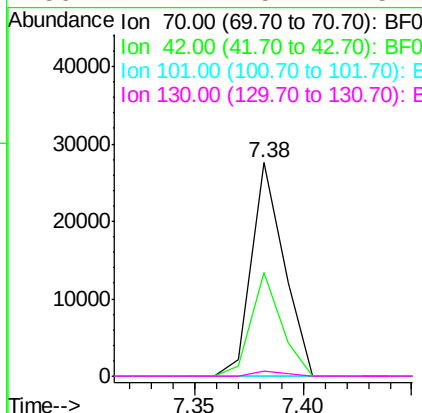
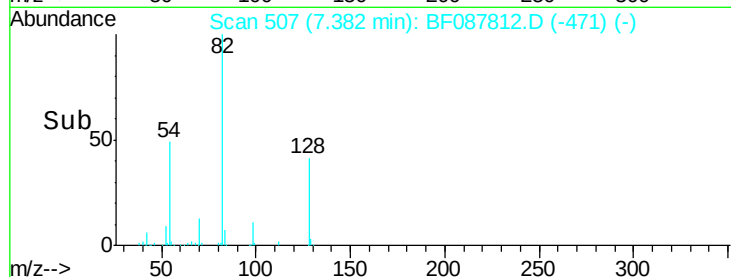
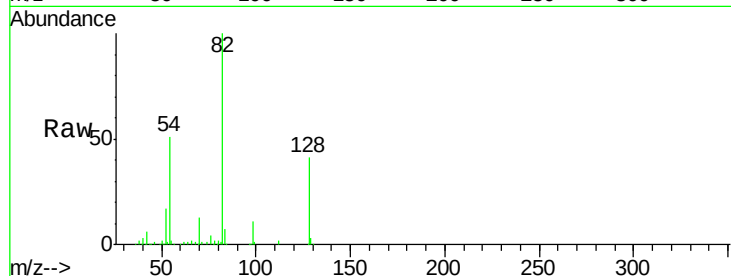




#19
n-Nitroso-di-n-propylamine
Concen: 6.39 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

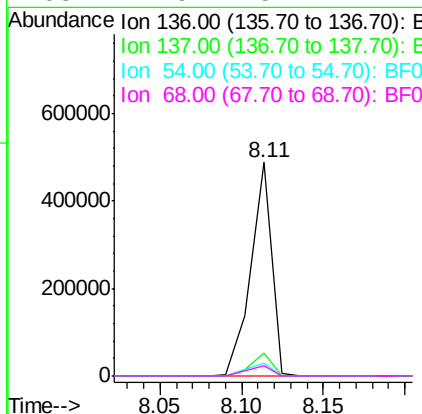
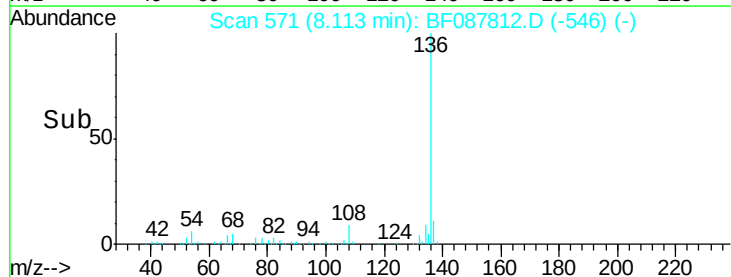
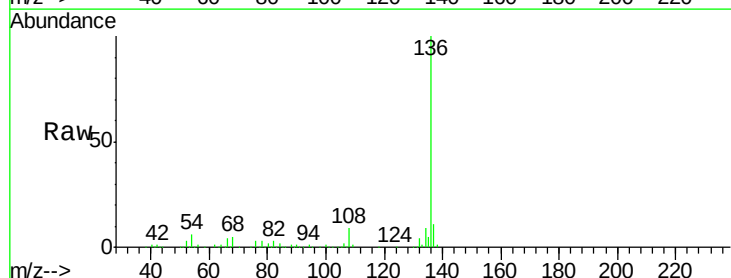
Instrument :
BNA_F
ClientSampleId :
SS-20

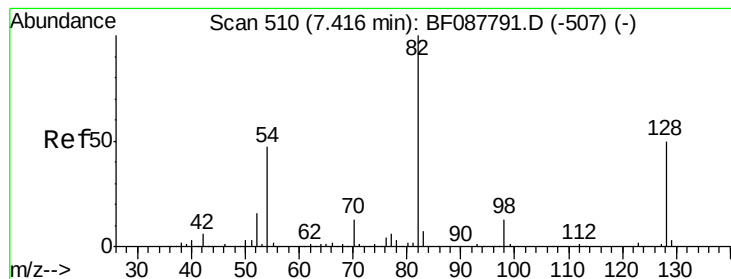
Tgt Ion: 70 Resp: 28729
Ion Ratio Lower Upper
70 100
42 48.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion: 136 Resp: 435128
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 5.7 6.6 10.0#
68 4.9 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 30.80 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

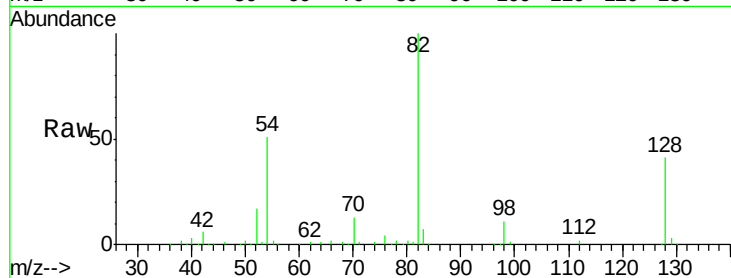
Tgt Ion: 82 Resp: 229526

Ion Ratio Lower Upper

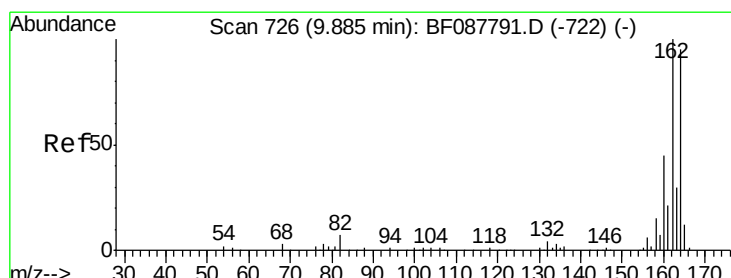
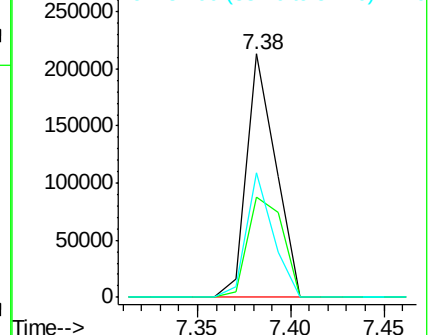
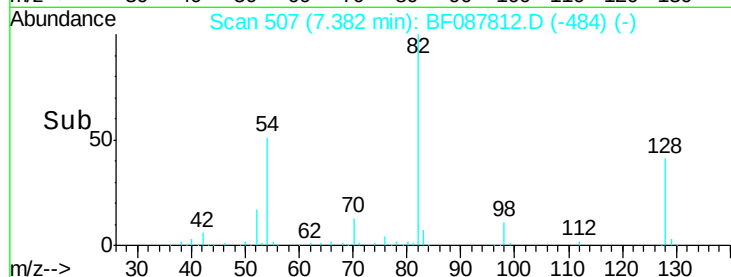
82 100

128 41.0 35.9 53.9

54 51.4 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: BF087812.D

Acq: 8 Jun 2016 16:22

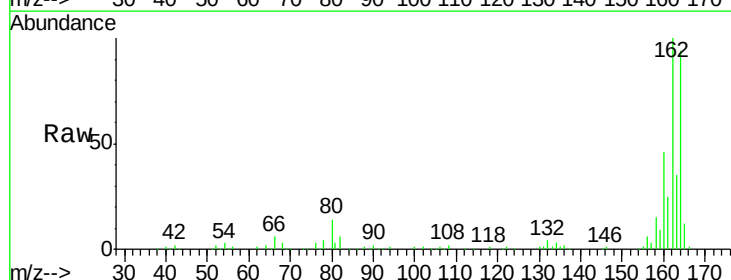
Tgt Ion: 164 Resp: 185139

Ion Ratio Lower Upper

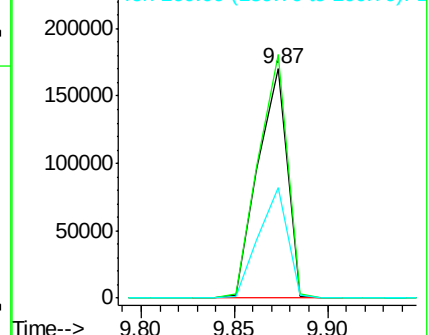
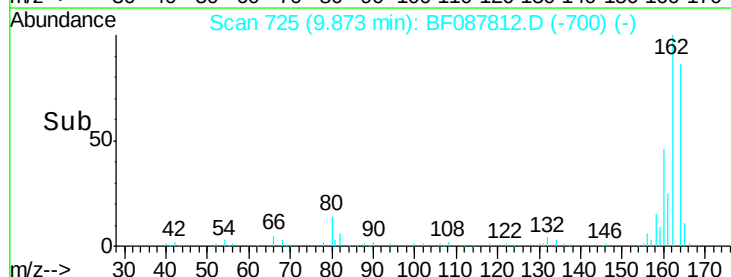
164 100

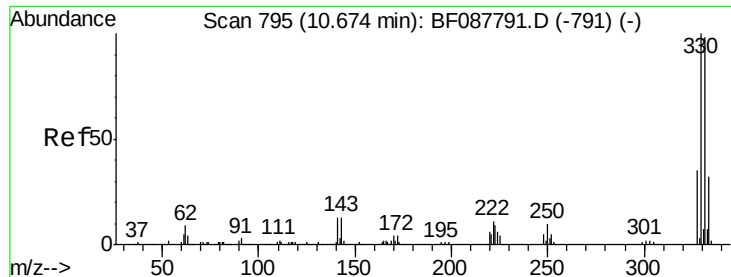
162 106.1 85.4 128.2

160 48.4 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

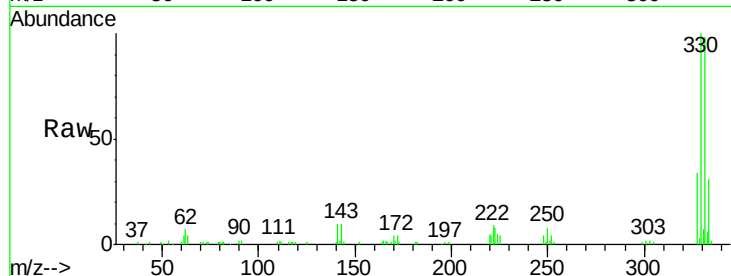




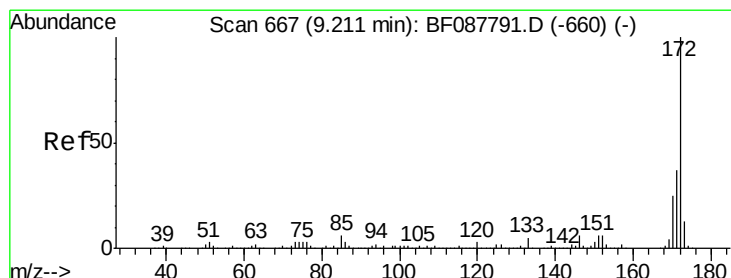
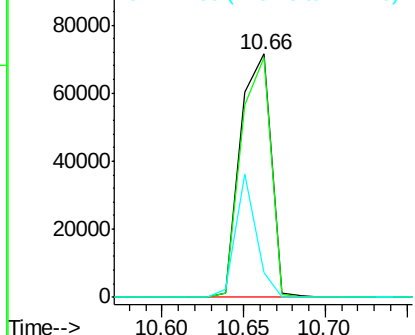
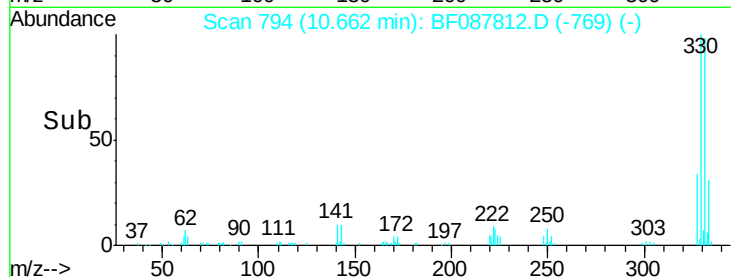
#41
 2,4,6-Tribromophenol
 Concen: 47.18 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-20

Tgt Ion:330 Resp: 92226
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.0 0.0 0.0#

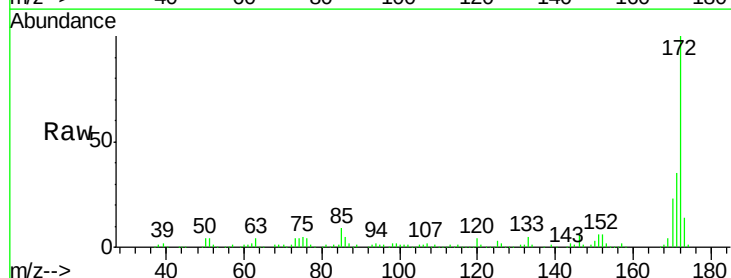


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

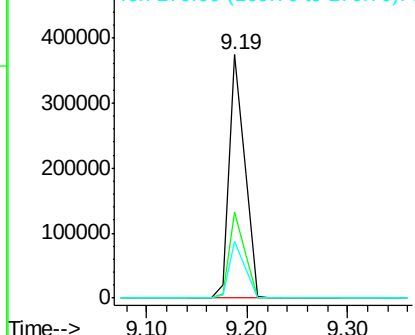
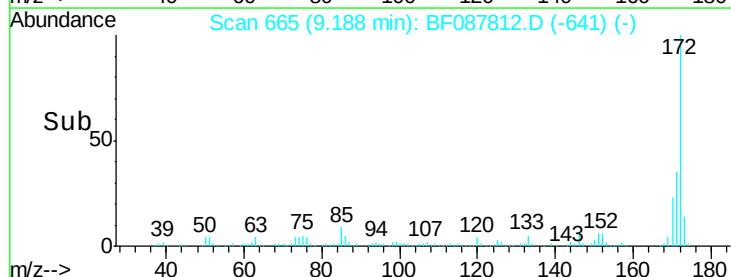


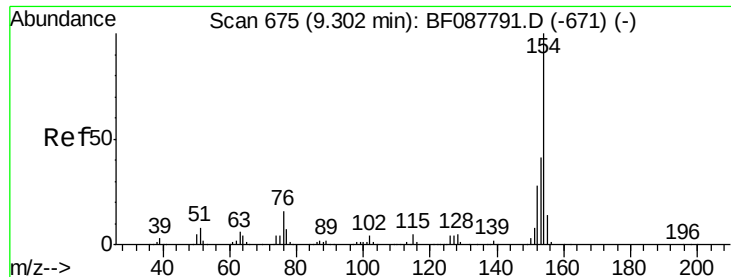
#44
 2-Fluorobiphenyl
 Concen: 30.77 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087812.D
 Acq: 8 Jun 2016 16:22

Tgt Ion:172 Resp: 404241
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.4 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: 9.19 min Scan# 665

Delta R.T. -0.11 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

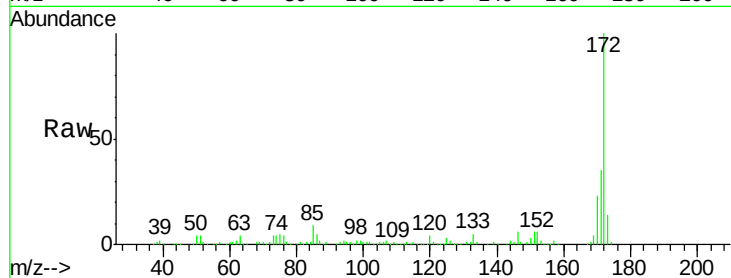
Tgt Ion:154 Resp: 532

Ion Ratio Lower Upper

154 100

153 916.0 20.6 60.6#

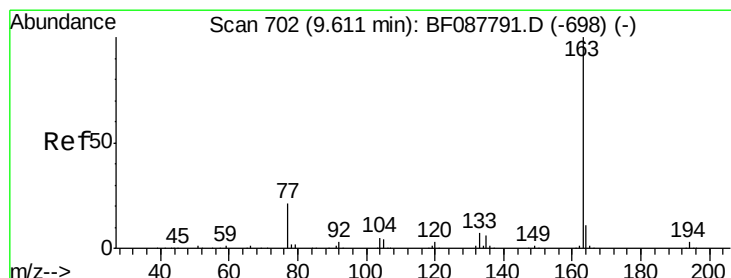
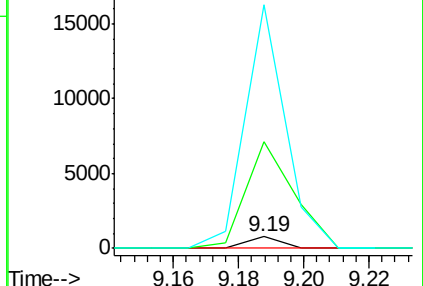
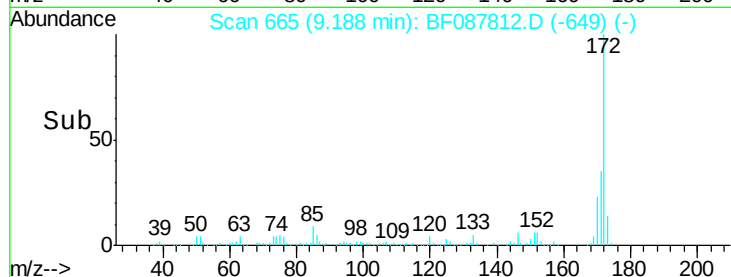
76 2097.0 0.0 35.1#



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: 9.52 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

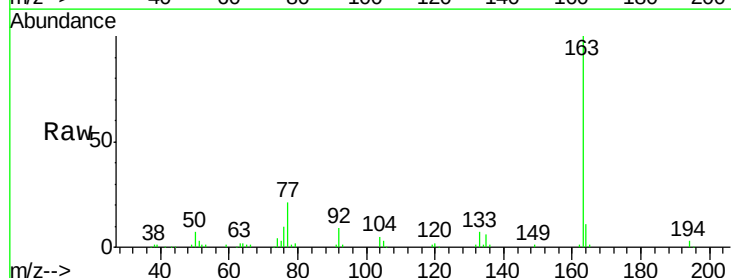
Tgt Ion:163 Resp: 127626

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

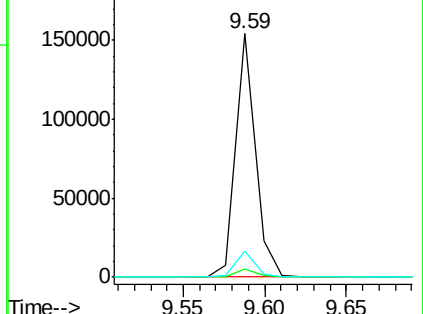
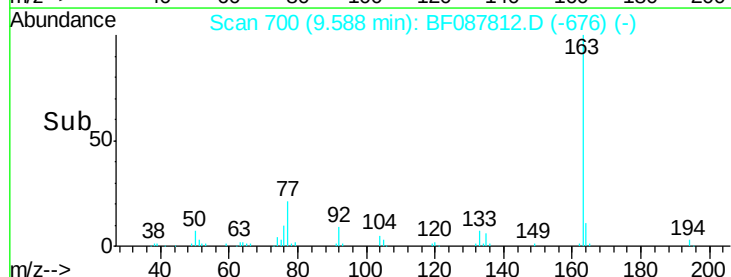
164 10.5 8.3 12.5

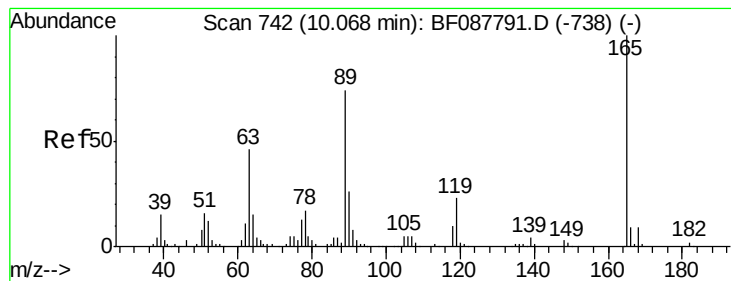


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

Tgt Ion:165 Resp: 23440

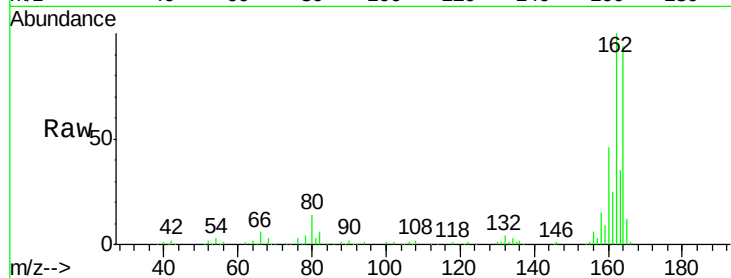
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

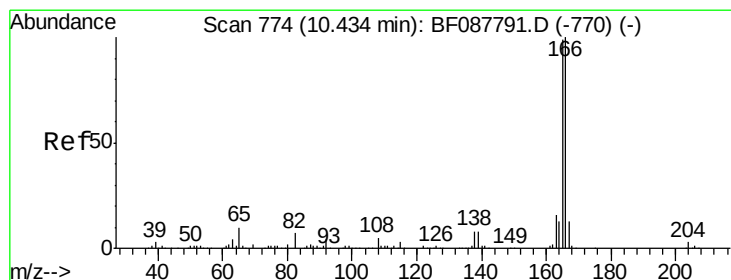
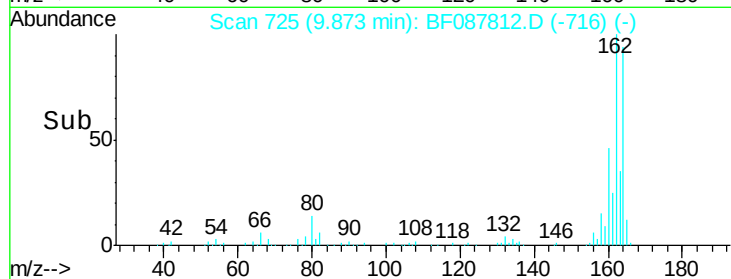
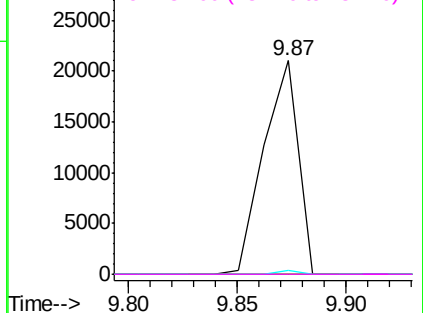


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

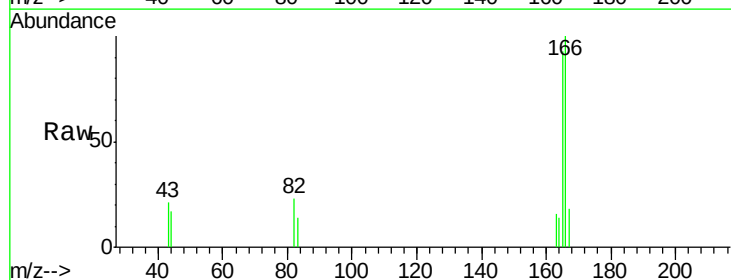
Tgt Ion:166 Resp: 2132

Ion Ratio Lower Upper

166 100

165 92.8 77.8 116.8

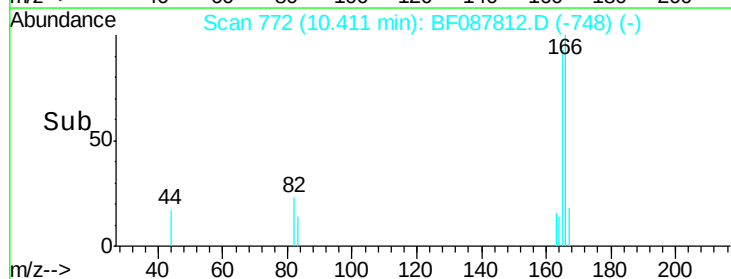
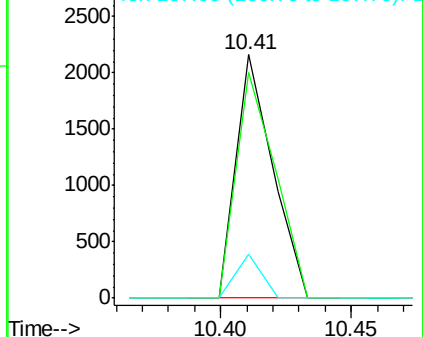
167 18.2 11.2 16.8#

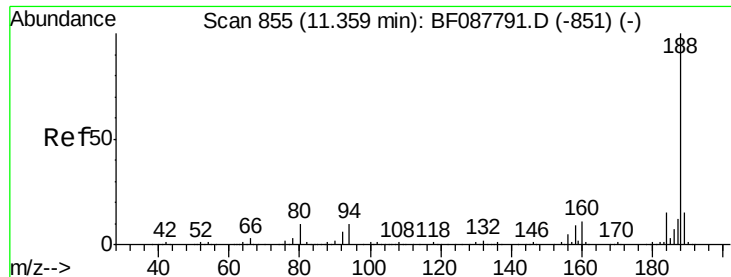


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

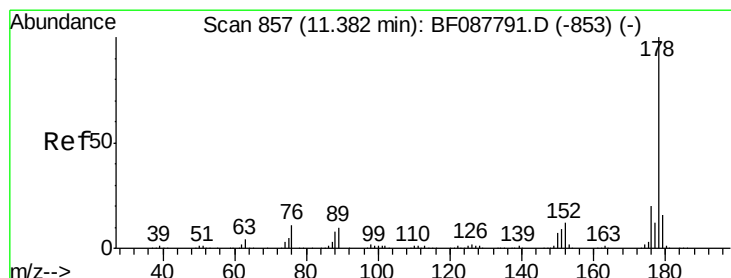
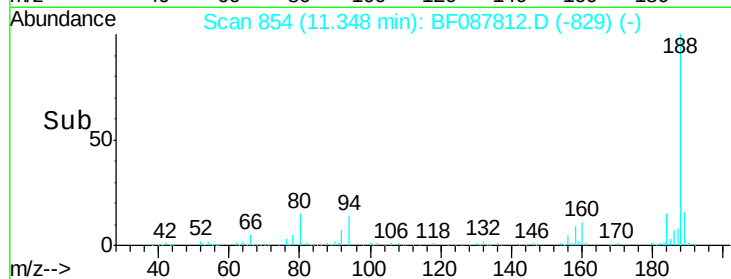
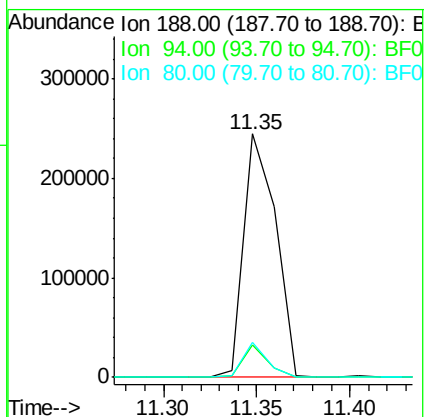
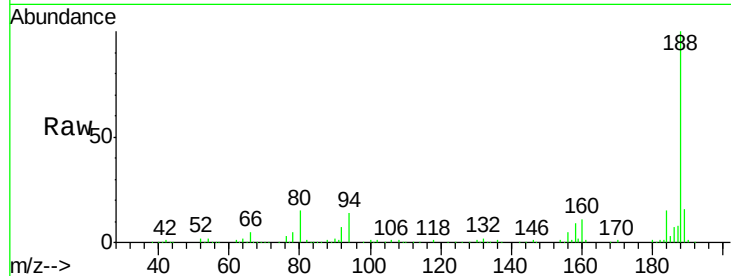




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

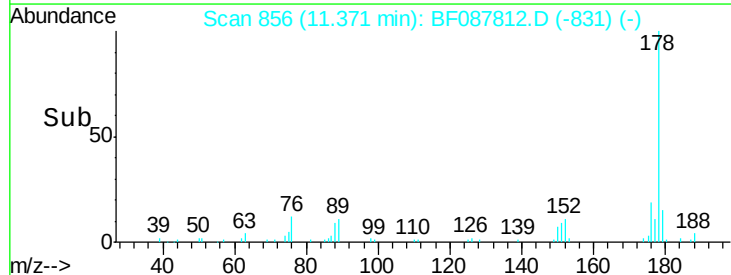
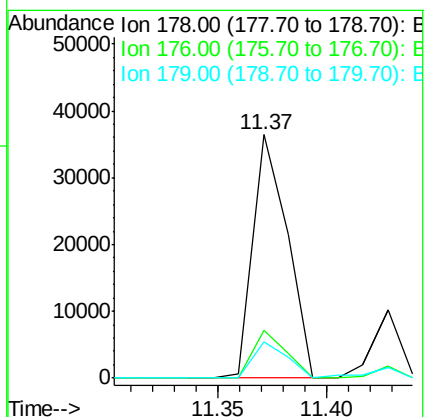
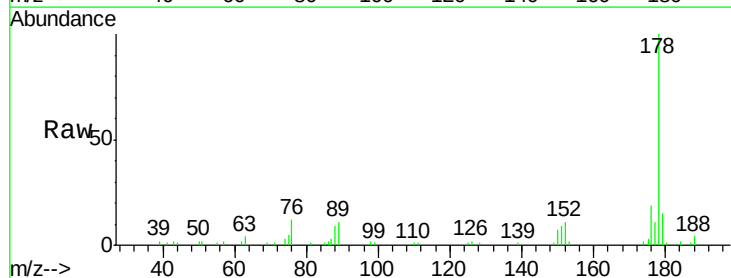
Instrument :
BNA_F
ClientSampleId :
SS-20

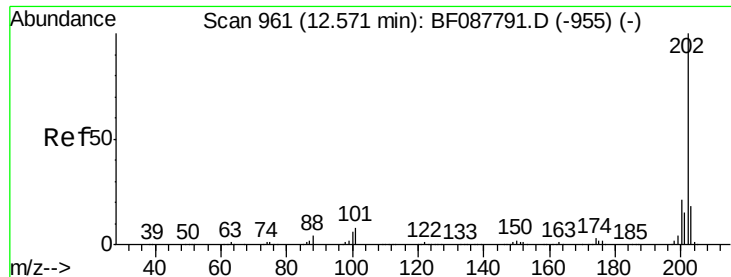
Tgt Ion:188 Resp: 292089
Ion Ratio Lower Upper
188 100
94 13.5 9.0 13.6
80 14.6 10.0 15.0



#70
Phenanthrene
Concen: 2.62 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion:178 Resp: 40118
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.1 13.0 19.4

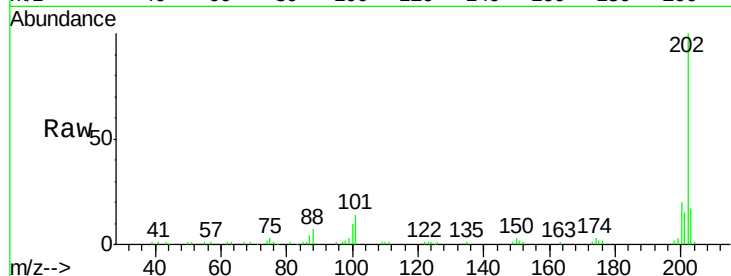




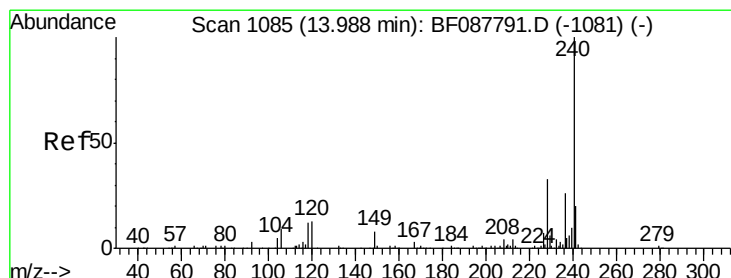
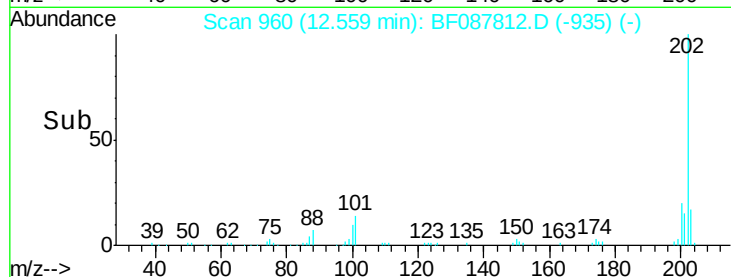
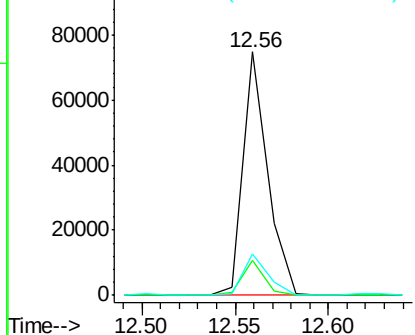
#74
Fluoranthene
Concen: 4.24 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Instrument :
BNA_F
ClientSampleId :
SS-20

Tgt Ion: 202 Resp: 68608
Ion Ratio Lower Upper
202 100
101 14.1 0.0 33.1
203 17.2 0.0 38.1

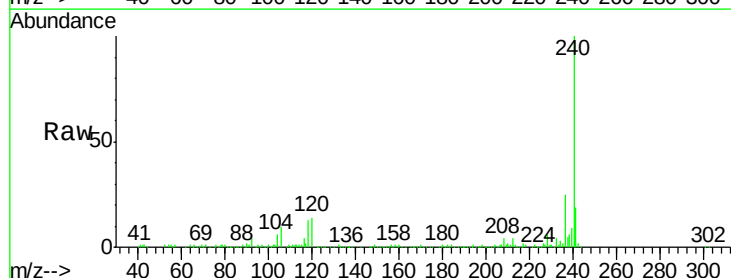


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

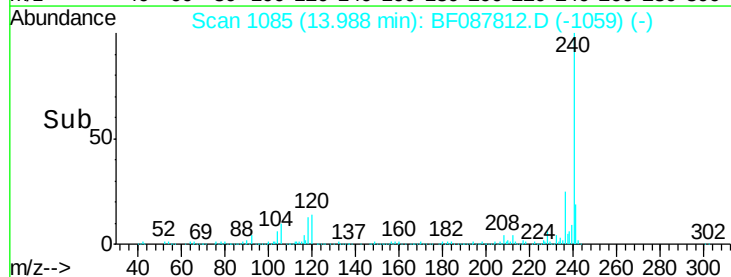
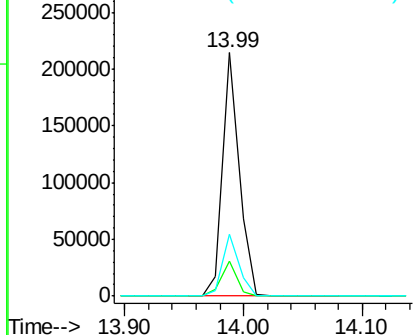


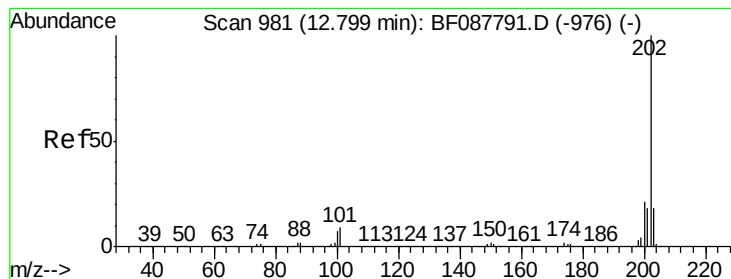
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion: 240 Resp: 208282
Ion Ratio Lower Upper
240 100
120 14.2 6.8 10.2#
236 25.4 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: 3.78 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

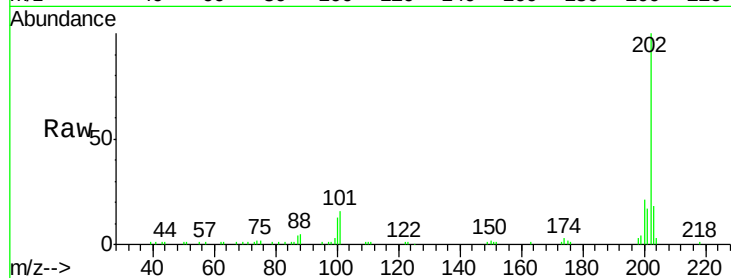
Tgt Ion:202 Resp: 58488

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

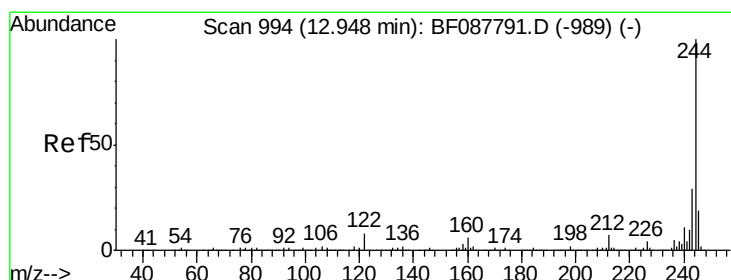
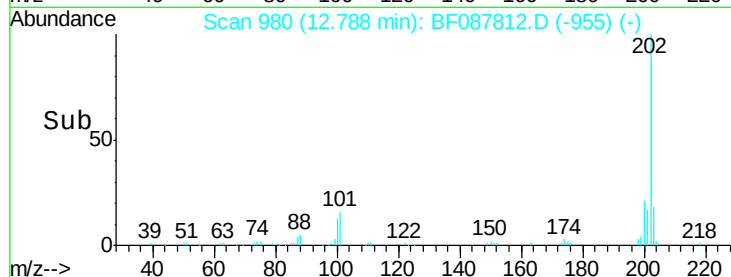
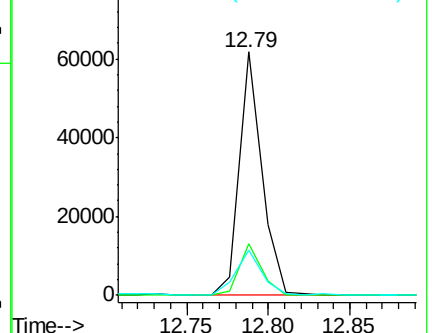
203 18.4 14.5 21.7



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: 33.51 ng

RT: 12.95 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

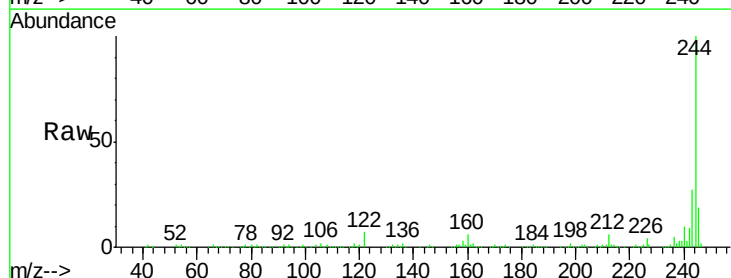
Tgt Ion:244 Resp: 306730

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

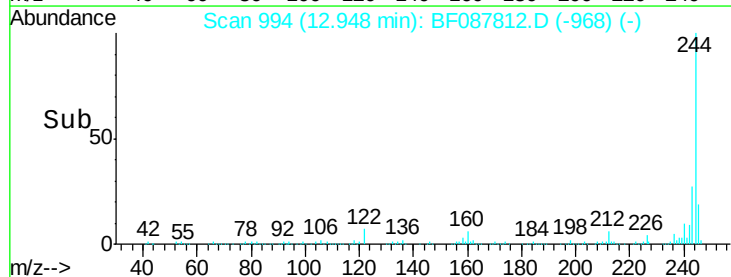
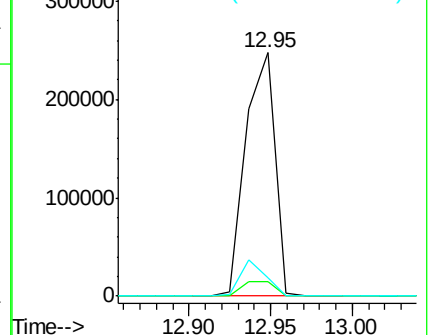
122 7.5 11.2 16.8#

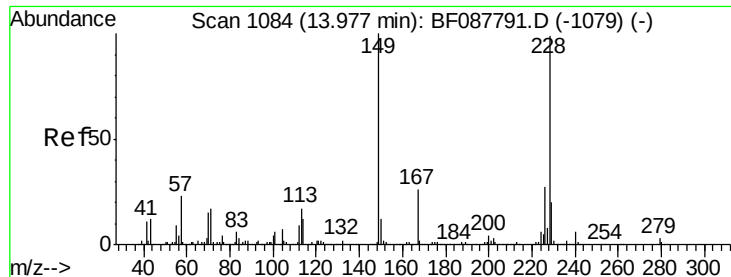


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.68 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Instrument :

BNA_F

ClientSampleId :

SS-20

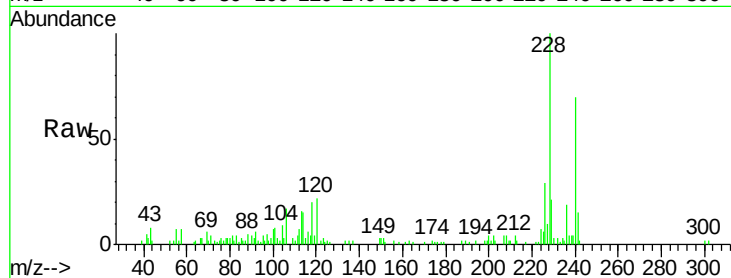
Tgt Ion:228 Resp: 31856

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

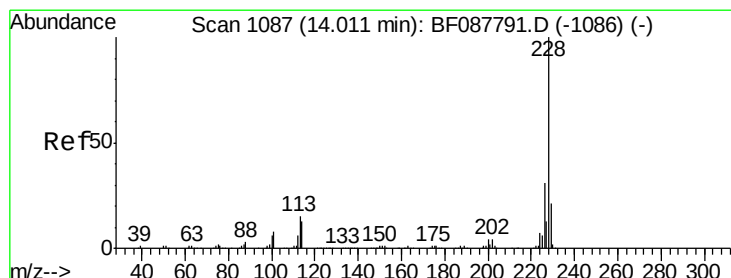
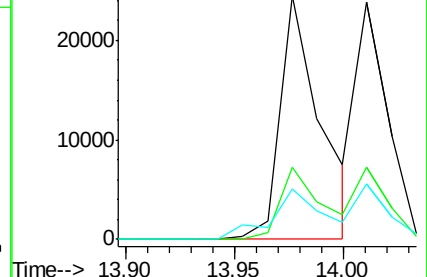
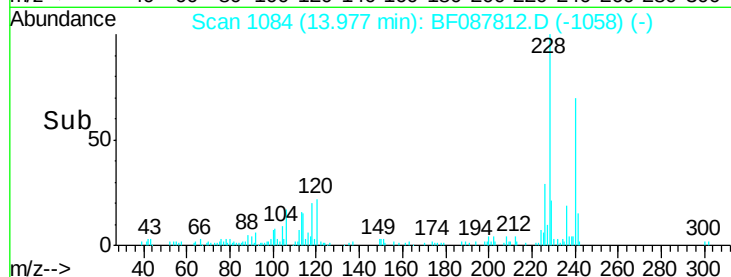
229 20.8 16.0 24.0



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: 2.85 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

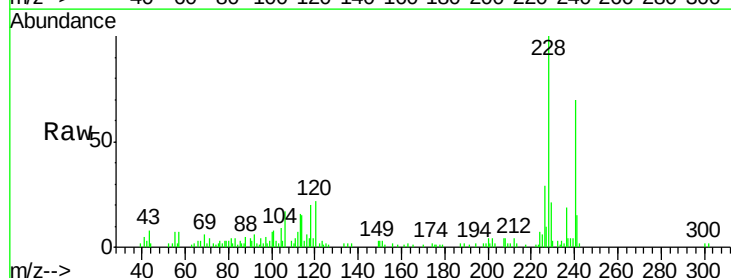
Tgt Ion:228 Resp: 31856

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.2

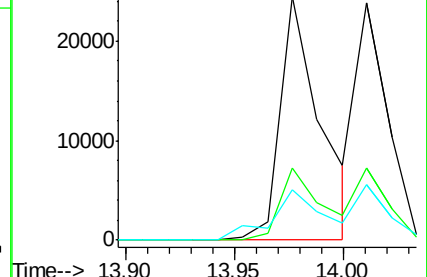
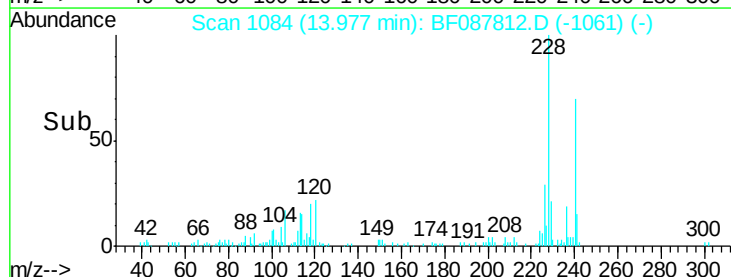
229 20.8 16.3 24.5

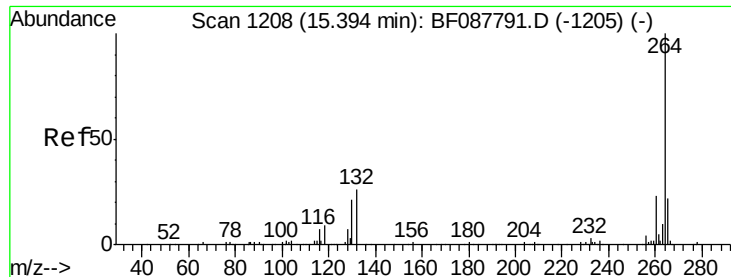


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



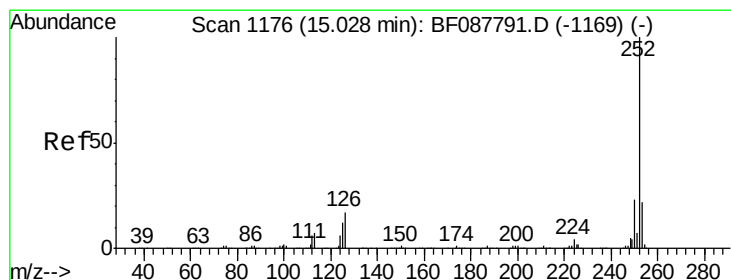
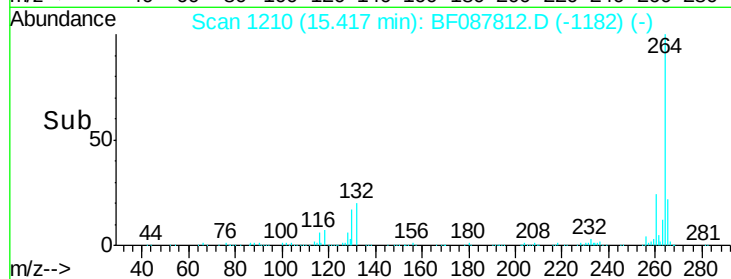
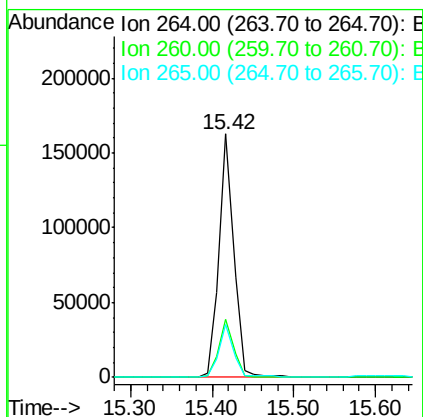
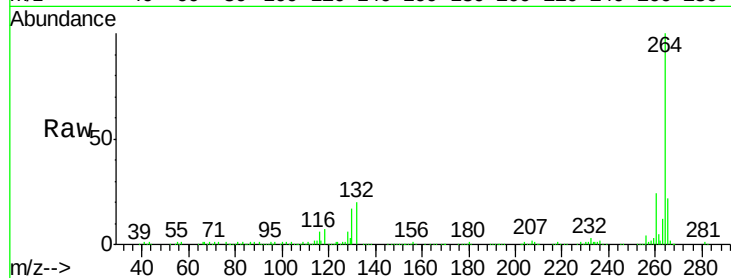


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Instrument :
BNA_F
ClientSampleId :
SS-20

Tgt Ion: 264 Resp: 205675

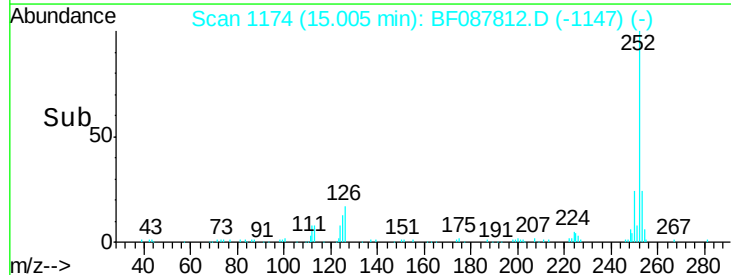
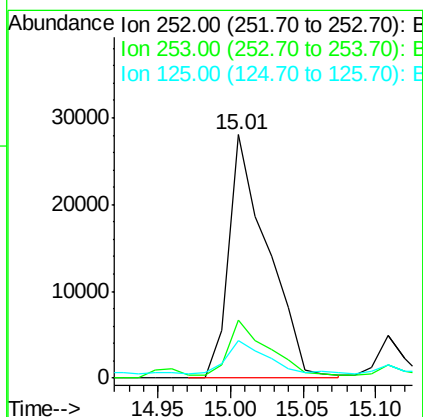
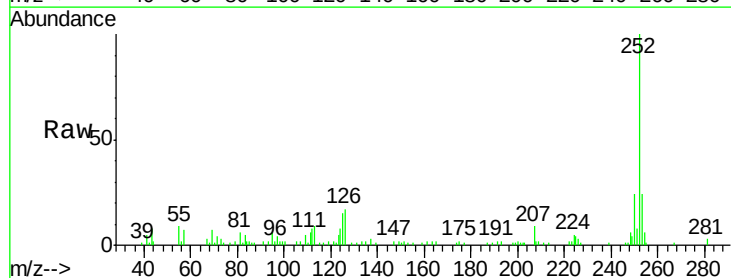
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	16.9	25.3

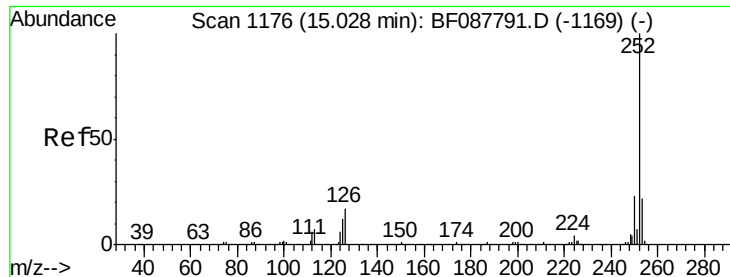


#87
Benzo(b)fluoranthene
Concen: 3.64 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087812.D
Acq: 8 Jun 2016 16:22

Tgt Ion: 252 Resp: 52190

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	15.4	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 4.83 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

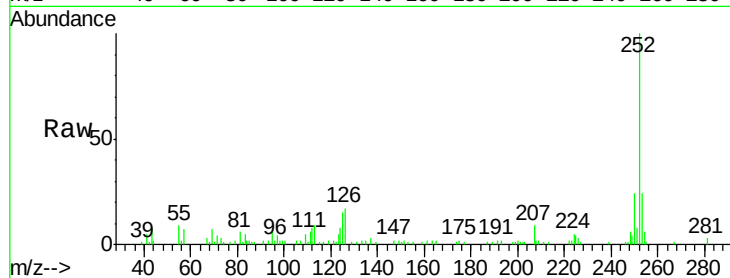
Instrument :

BNA_F

ClientSampleId :

SS-20

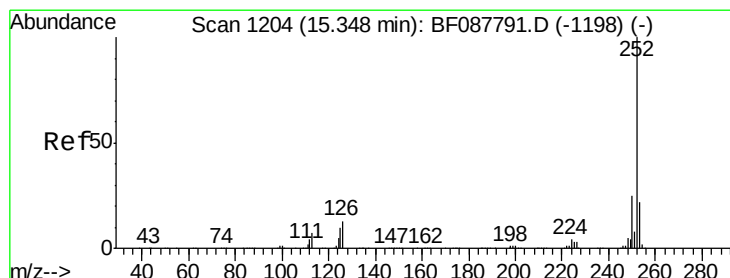
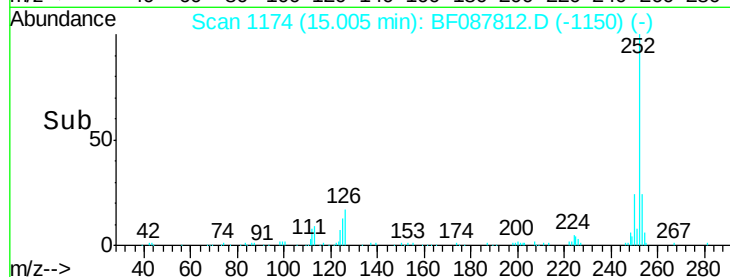
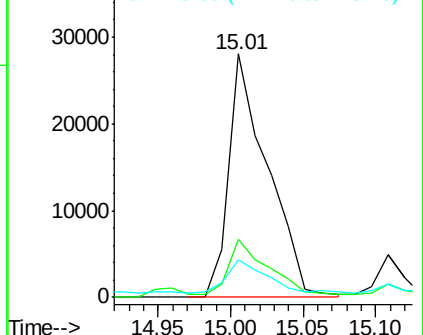
Tgt Ion:	252	Resp:	52190
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	15.4	11.2	16.8



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: 2.27 ng

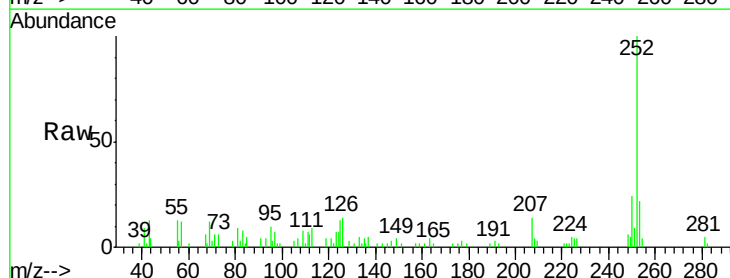
RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087812.D

Acq: 8 Jun 2016 16:22

Tgt Ion:	252	Resp:	26338
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	12.8	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

