

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088802.D
 Acq On : 8 Jul 2016 2:30
 Operator : UM/SJ
 Sample : H3889-10 4X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Quant Time: Jul 08 03:55:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 01:56:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	79914	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	278315	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	118254	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	202085	20.00	ng	0.00
75) Chrysene-d12	13.90	240	157414	20.00	ng	0.01
86) Perylene-d12	15.29	264	125176	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	40090	7.52	ng	0.00
7) Phenol-d6	6.36	99	72268	10.49	ng	-0.02
23) Nitrobenzene-d5	7.30	82	42367	7.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	19463	17.72	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	91712	12.25	ng	0.00
78) Terphenyl-d14	12.85	244	106789	15.11	ng	0.00

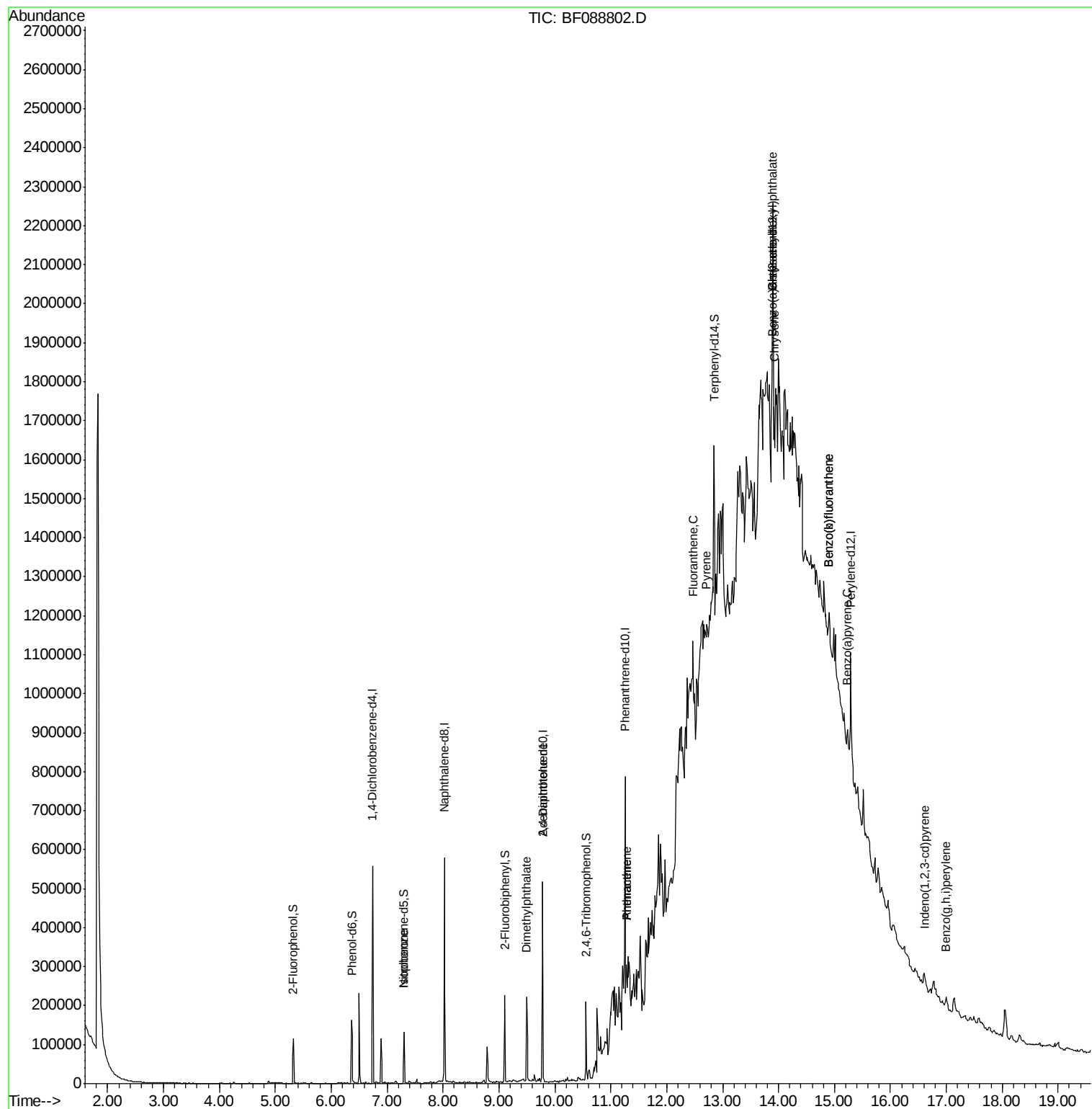
Target Compounds						Qvalue
25) Isophorone	7.30	82	34206	3.48	ng	# 65
49) Dimethylphthalate	9.50	163	97613	11.59	ng	# 99
56) 2,4-Dinitrotoluene	9.78	165	14929	6.12	ng	# 36
70) Phenanthrene	11.28	178	22572	2.04	ng	# 96
71) Anthracene	11.28	178	22572	2.05	ng	# 96
74) Fluoranthene	12.47	202	50873	4.54	ng	# 90
77) Pyrene	12.70	202	45938	3.44	ng	# 91
80) Benzo(a)anthracene	13.89	228	21127	2.08	ng	# 83
82) Chrysene	13.92	228	27166	2.71	ng	# 90
83) Bis(2-ethylhexyl)phthalate	13.90	149	41266	6.07	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.61	276	21865	2.83	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	51283	6.53	ng	# 71
88) Benzo(k)fluoranthene	14.90	252	51283	7.50	ng	# 72
89) Benzo(a)pyrene	15.23	252	18728	2.82	ng	# 53
91) Benzo(g,h,i)perylene	16.99	276	22911	3.99	ng	# 94

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
Data File : BF088802.D
Acq On : 8 Jul 2016 2:30
Operator : UM/SJ
Sample : H3889-10 4X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SS-10

Quant Time: Jul 08 03:55:11 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 01:56:42 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

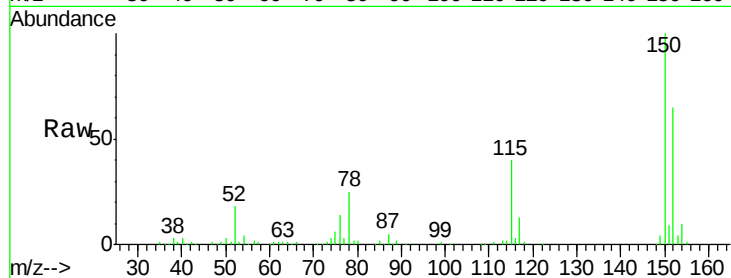
Tgt Ion:152 Resp: 79914

Ion Ratio Lower Upper

152 100

150 154.5 123.8 185.6

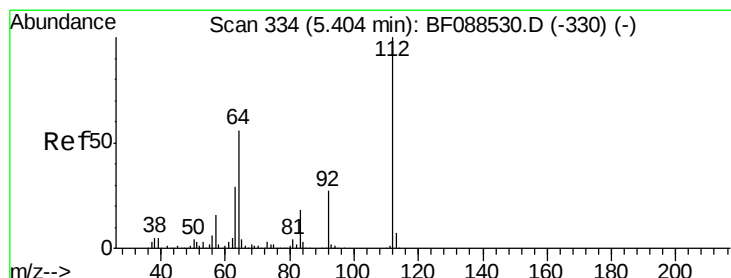
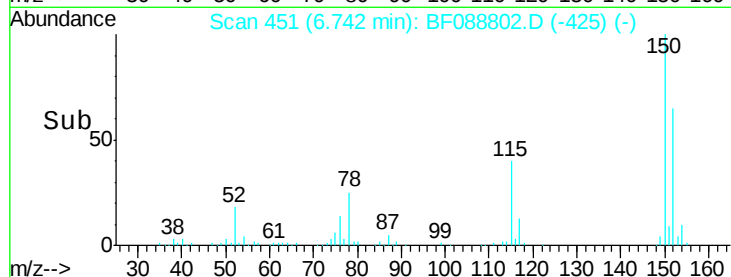
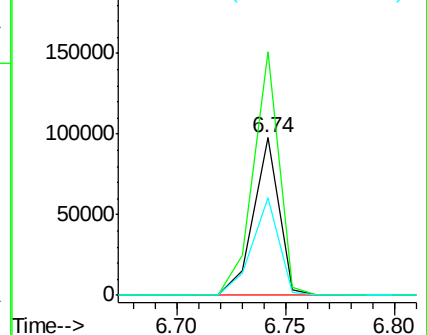
115 62.3 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 7.52 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

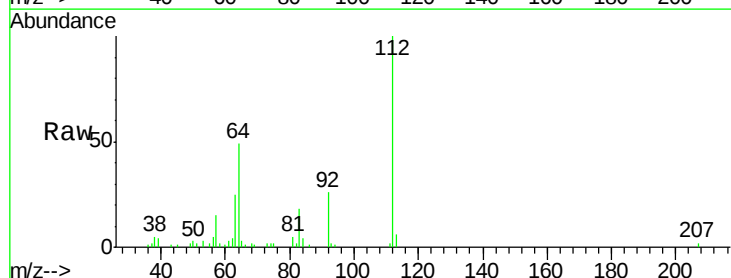
Tgt Ion:112 Resp: 40090

Ion Ratio Lower Upper

112 100

64 49.4 42.2 63.2

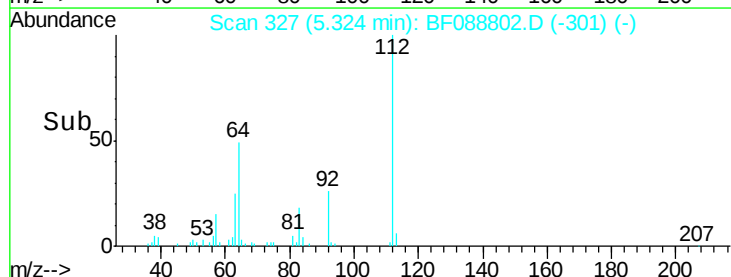
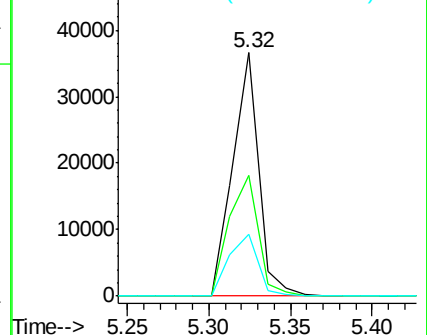
63 25.5 21.8 32.8



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: 10.49 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

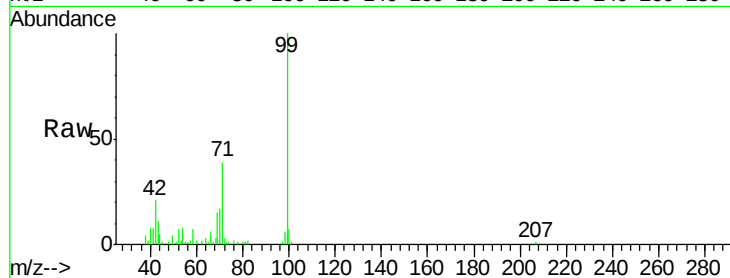
Tgt Ion: 99 Resp: 72268

Ion Ratio Lower Upper

99 100

42 21.0 12.2 18.2#

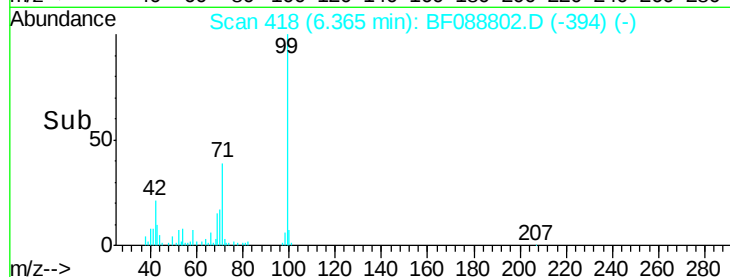
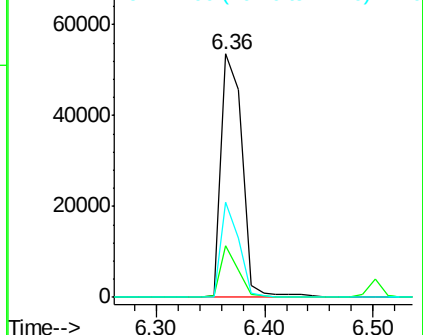
71 39.1 23.4 35.0#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Tgt Ion: 136 Resp: 278315

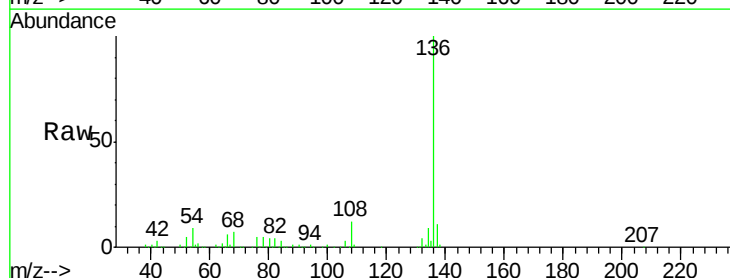
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.2 6.6 10.0

68 7.2 5.1 7.7

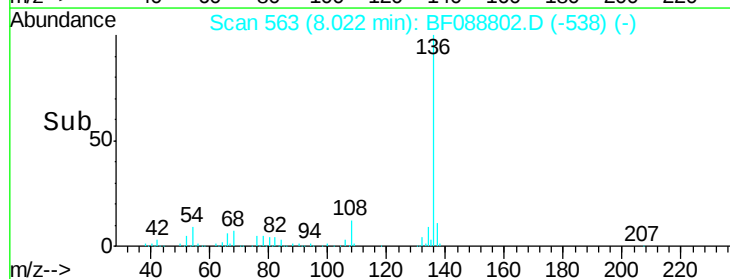
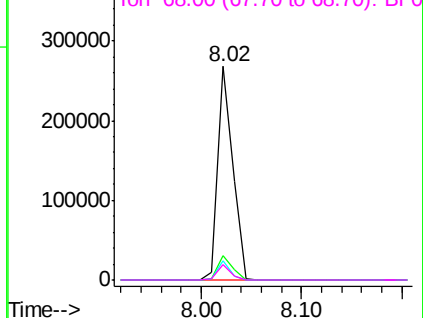


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

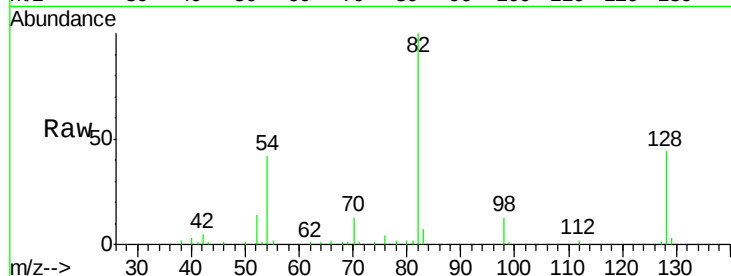




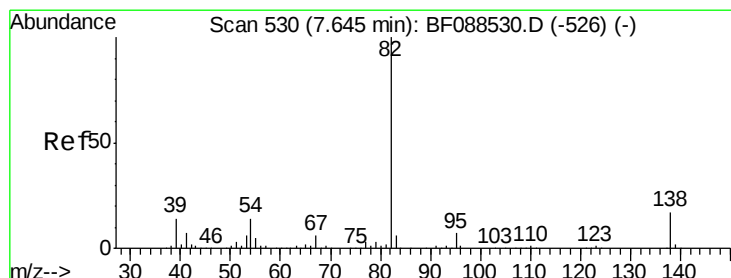
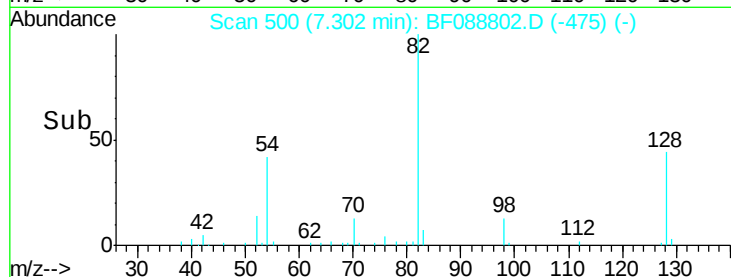
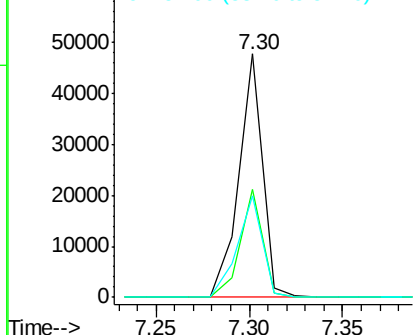
#23
 Nitrobenzene-d5
 Concen: 7.98 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Tgt Ion: 82 Resp: 42367
 Ion Ratio Lower Upper
 82 100
 128 44.4 35.9 53.9
 54 41.8 40.9 61.3

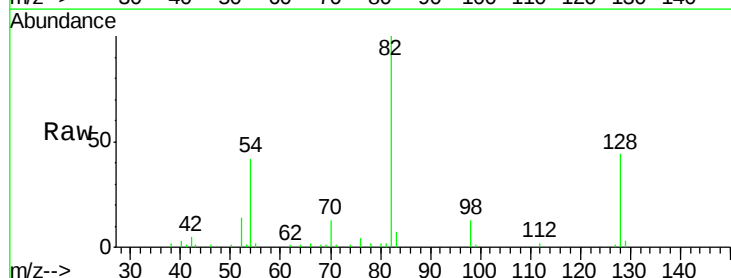


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

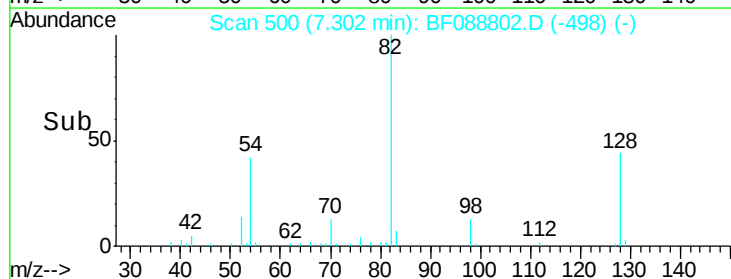
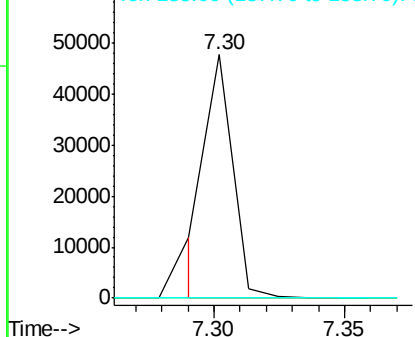


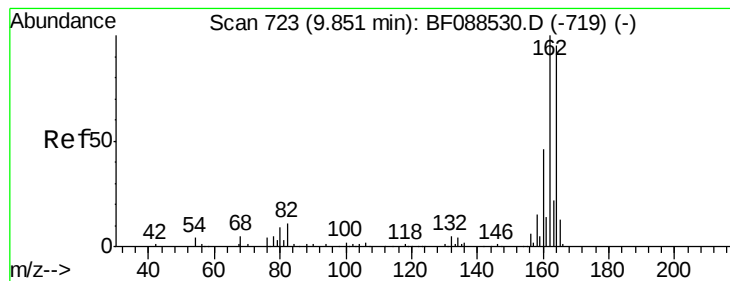
#25
 Isophorone
 Concen: 3.48 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.27 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Tgt Ion: 82 Resp: 34206
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

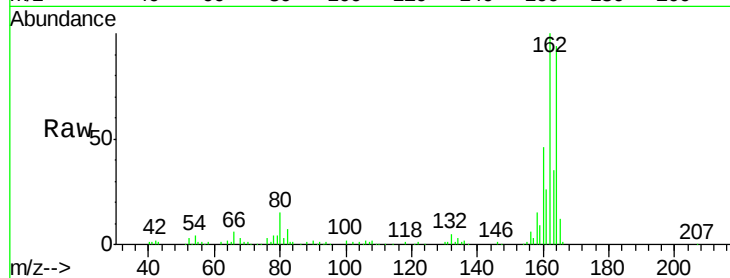
Tgt Ion:164 Resp: 118254

Ion Ratio Lower Upper

164 100

162 106.1 85.4 128.2

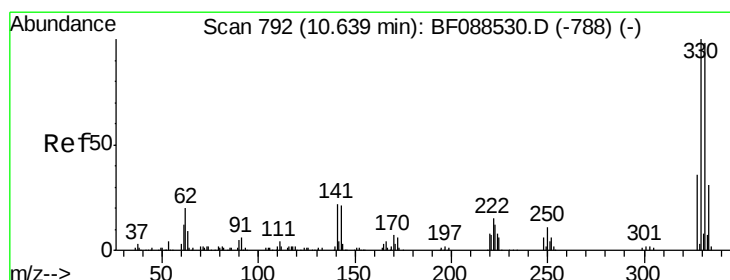
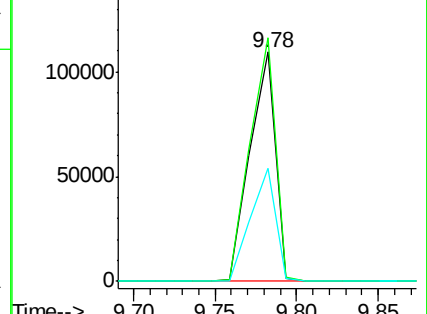
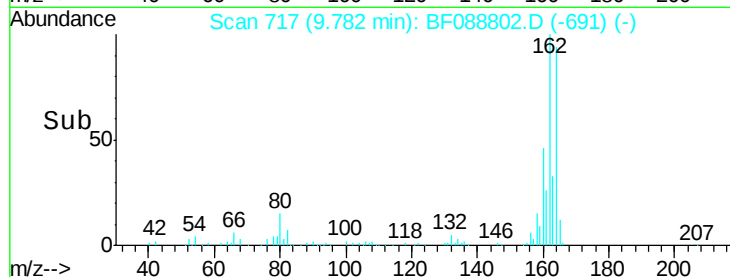
160 49.1 39.5 59.3



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: 17.72 ng

RT: 10.56 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

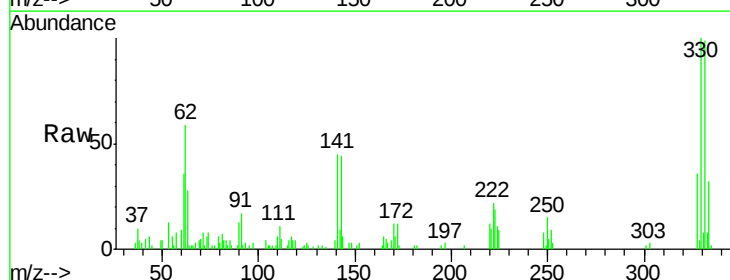
Tgt Ion:330 Resp: 19463

Ion Ratio Lower Upper

330 100

332 98.7 0.0 0.0#

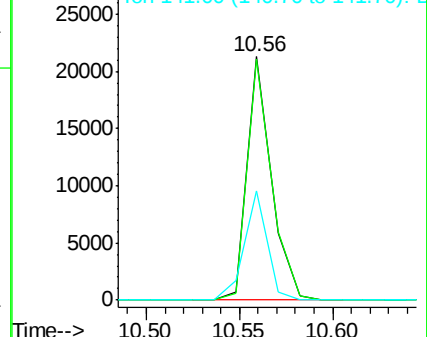
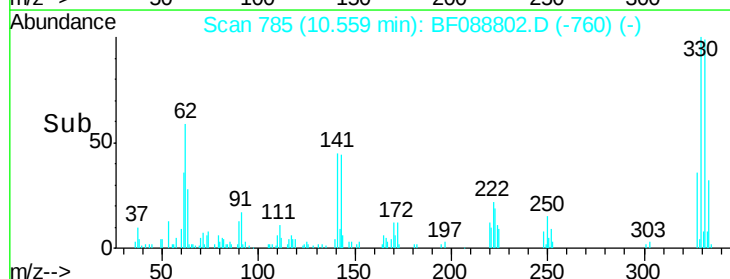
141 42.1 0.0 0.0#



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

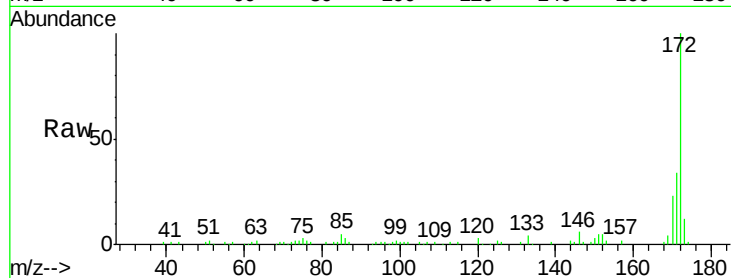




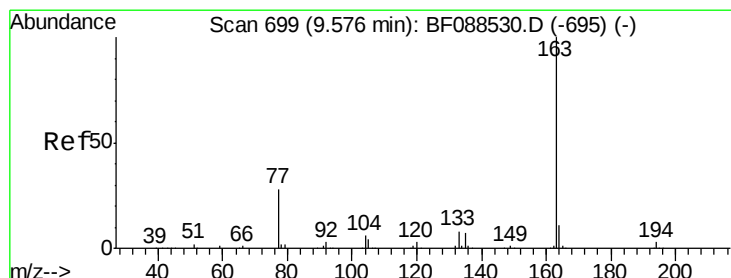
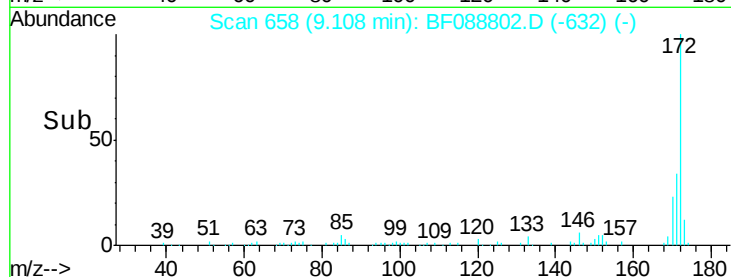
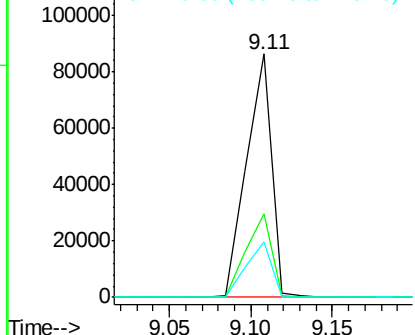
#44
2-Fluorobiphenyl
Concen: 12.25 ng
RT: 9.11 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Instrument :
BNA_F
ClientSampleId :
SS-10

Tgt Ion:172 Resp: 91712
Ion Ratio Lower Upper
172 100
171 34.3 28.6 43.0
170 22.7 19.2 28.8

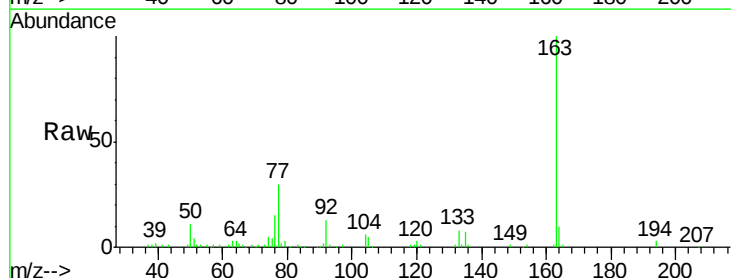


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

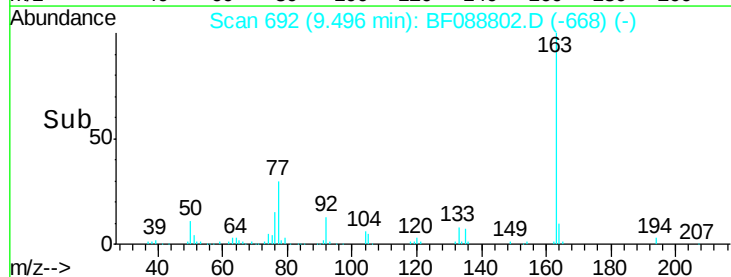
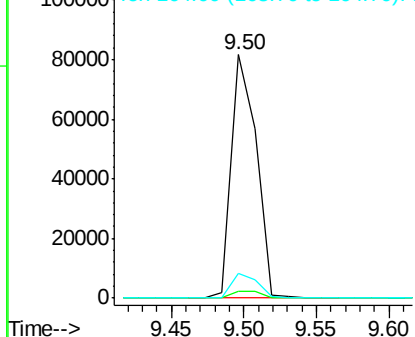


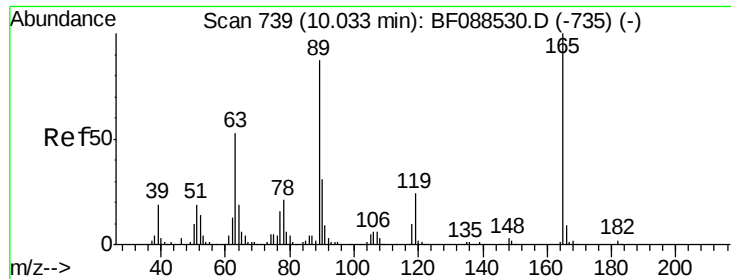
#49
Dimethylphthalate
Concen: 11.59 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion:163 Resp: 97613
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.3 8.3 12.5



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

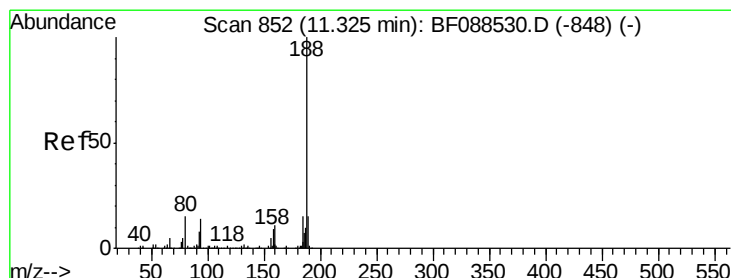
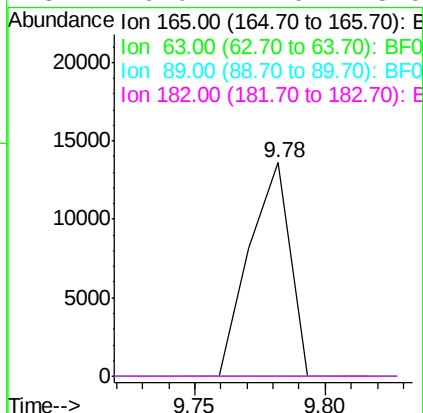
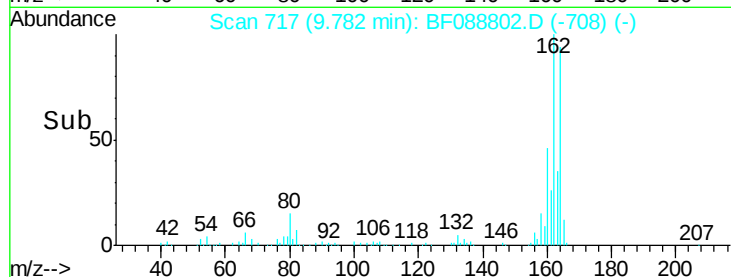
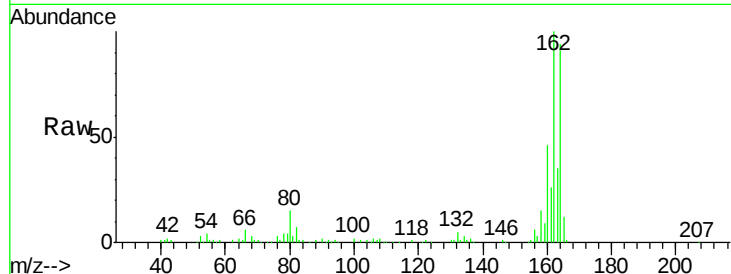




#56
 2,4-Dinitrotoluene
 Concen: 6.12 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.19 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

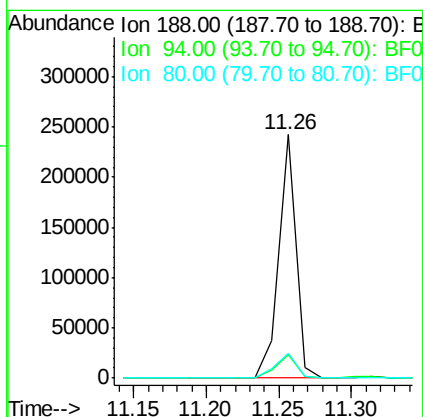
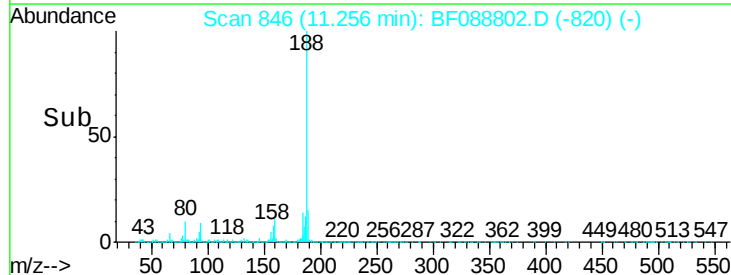
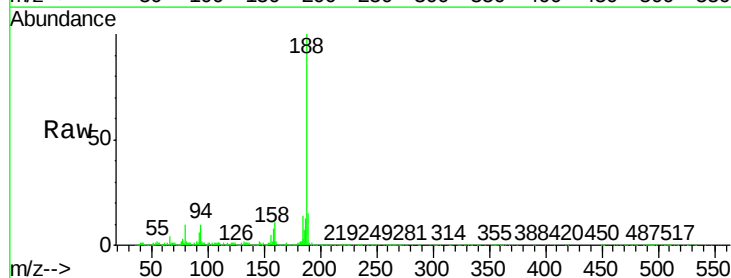
Instrument :
 BNA_F
 ClientSampleId :
 SS-10

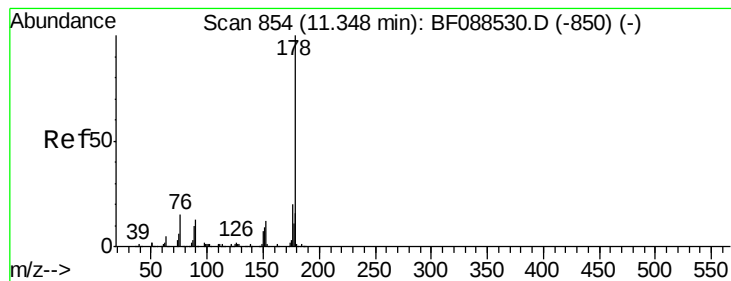
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.6
80	10.0	10.0	15.0





#70

Phenanthrene

Concen: 2.04 ng

RT: 11.28 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

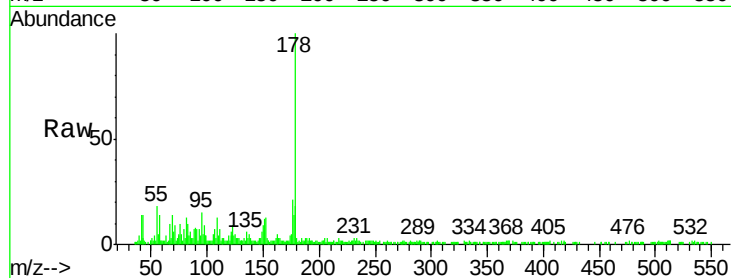
Tgt Ion:178 Resp: 22572

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.6

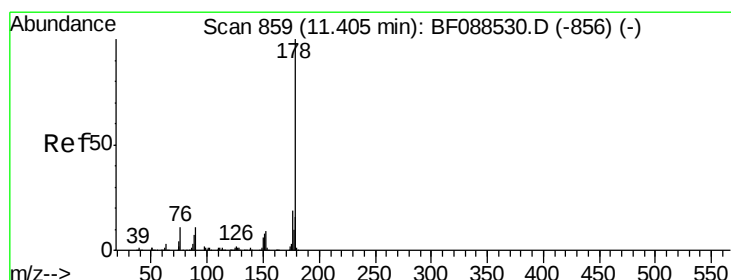
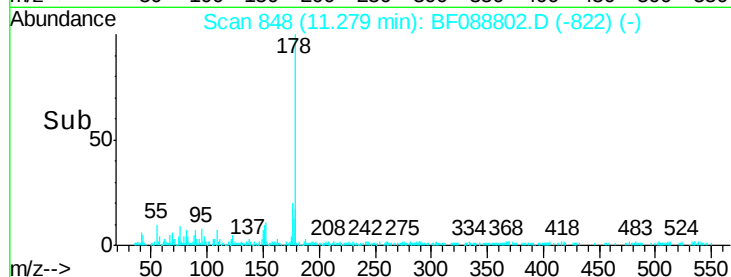
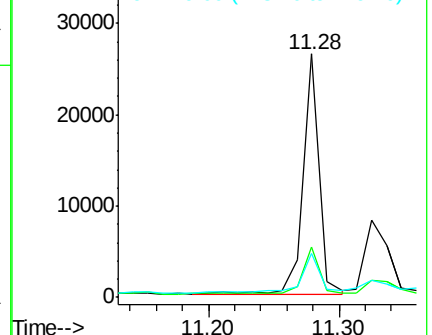
179 18.2 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.05 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

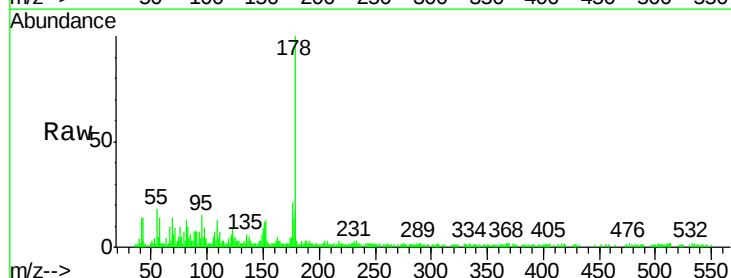
Tgt Ion:178 Resp: 22572

Ion Ratio Lower Upper

178 100

176 20.9 15.6 23.4

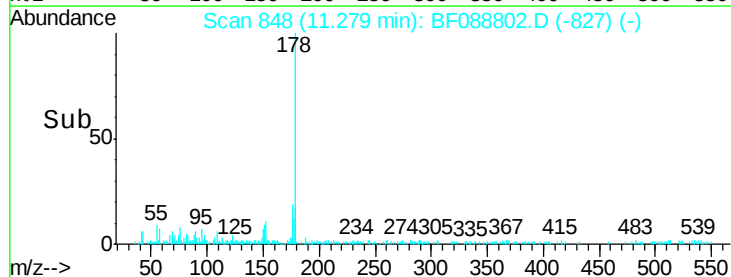
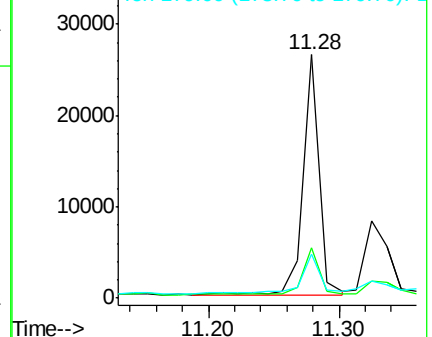
179 18.2 12.8 19.2

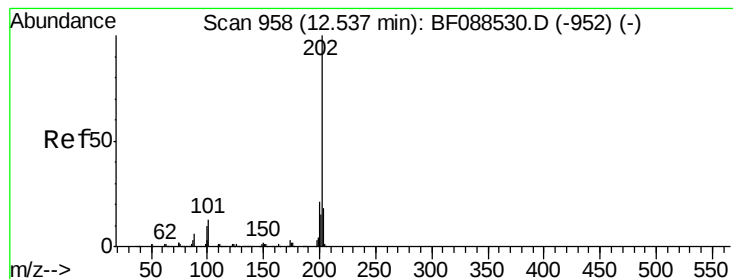


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.54 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

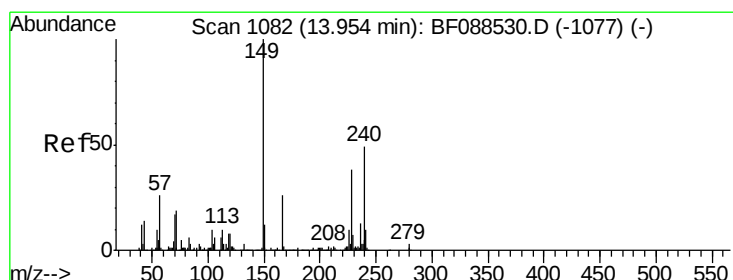
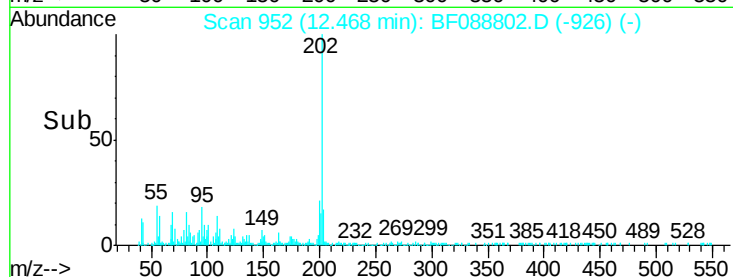
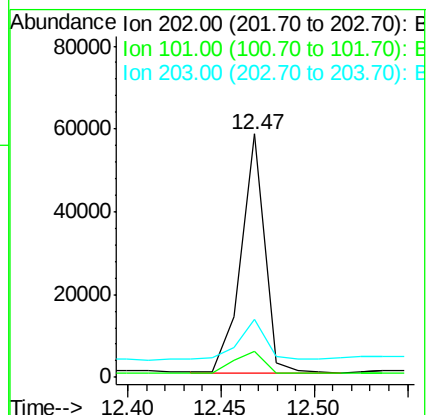
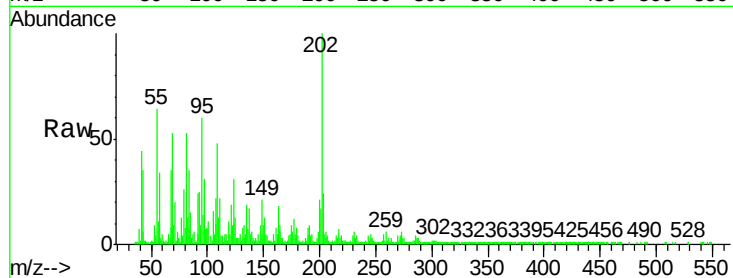
Tgt Ion:202 Resp: 50873

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.1

203 23.8 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1077

Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

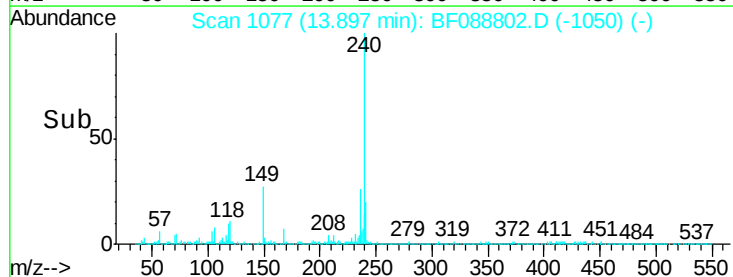
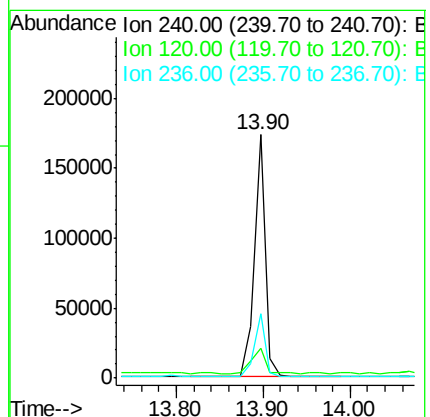
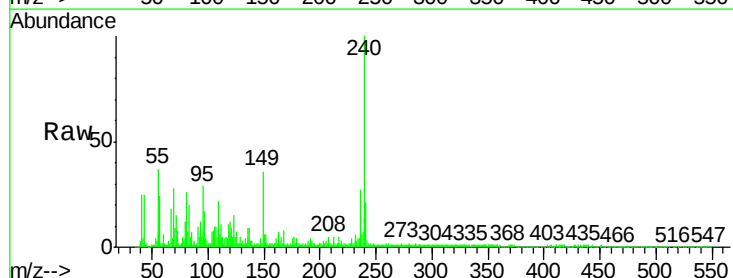
Tgt Ion:240 Resp: 157414

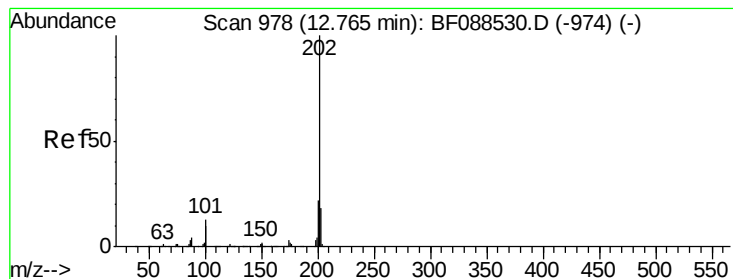
Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

236 26.7 20.2 30.2





#77

Pyrene

Concen: 3.44 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

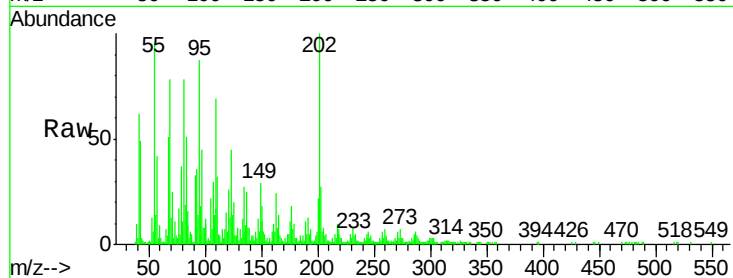
Tgt Ion:202 Resp: 45938

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

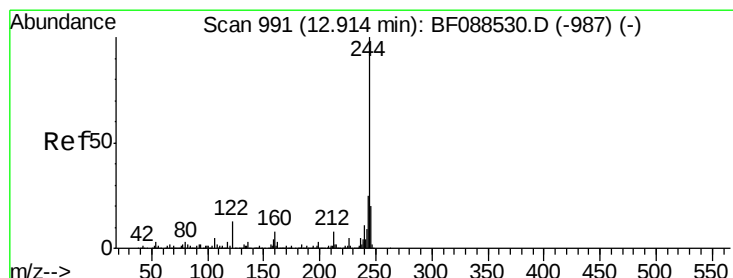
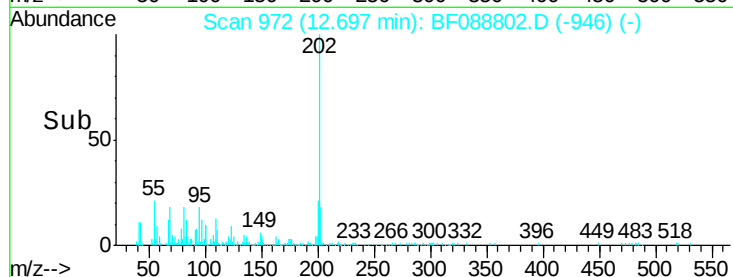
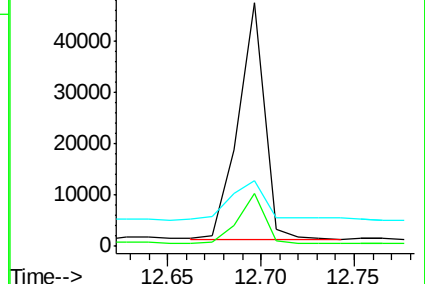
203 27.1 14.5 21.7#



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: 15.11 ng

RT: 12.85 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

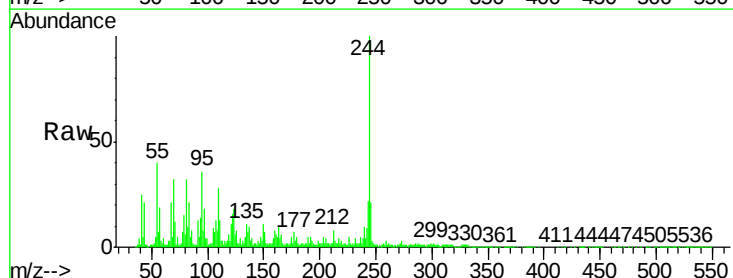
Tgt Ion:244 Resp: 106789

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

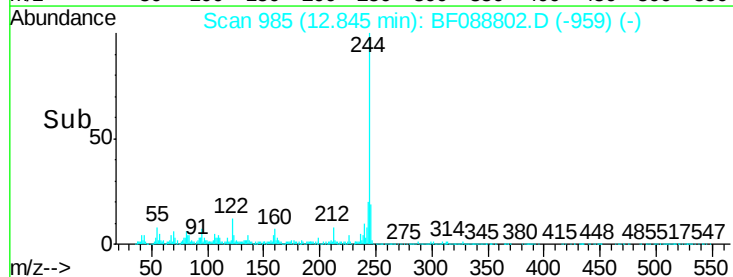
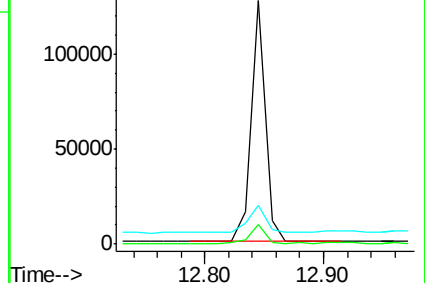
122 15.8 11.2 16.8

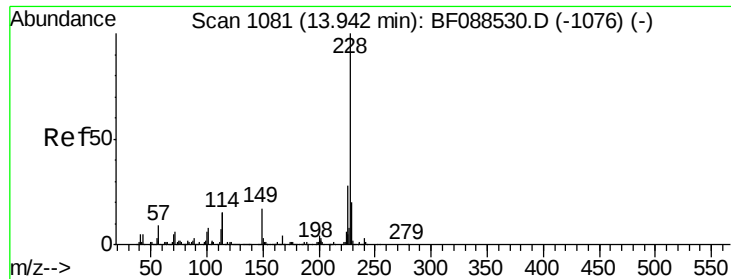


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.08 ng

RT: 13.89 min Scan# 1076

Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

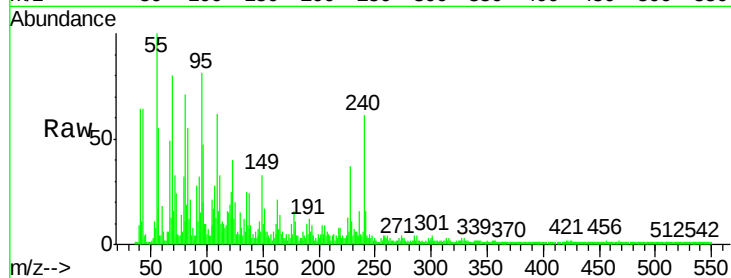
Tgt Ion:228 Resp: 21127

Ion Ratio Lower Upper

228 100

226 35.0 22.3 33.5#

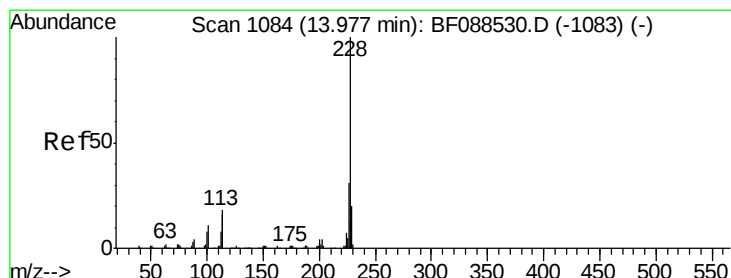
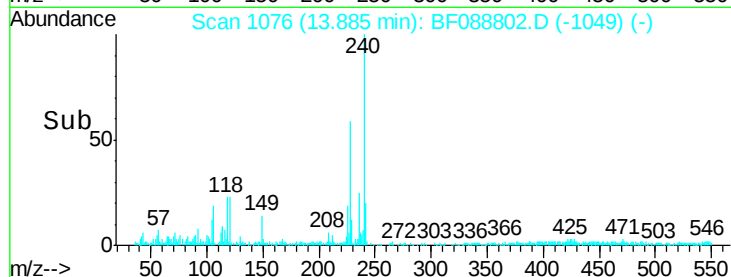
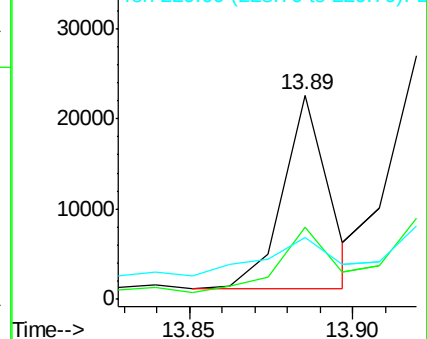
229 30.0 16.0 24.0#



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: 2.71 ng

RT: 13.92 min Scan# 1079

Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

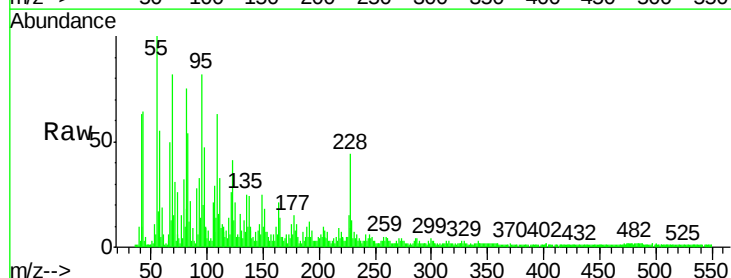
Tgt Ion:228 Resp: 27166

Ion Ratio Lower Upper

228 100

226 33.1 25.4 38.2

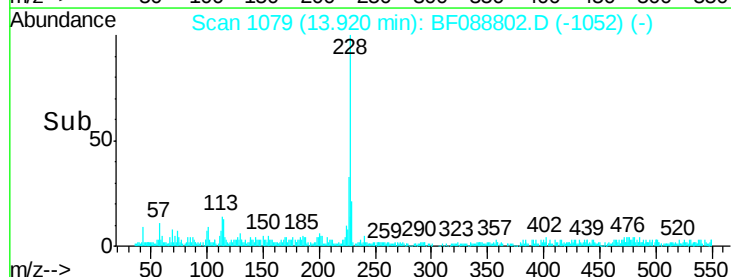
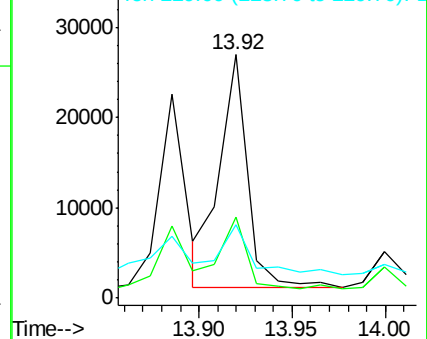
229 30.1 16.3 24.5#

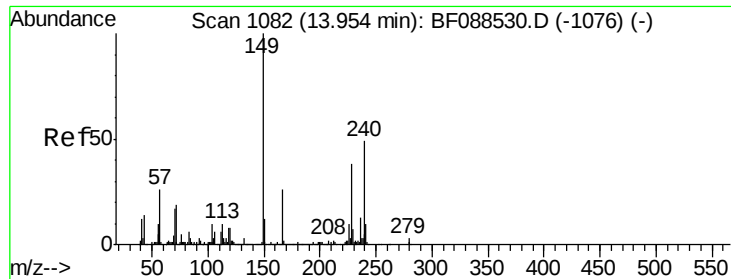


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

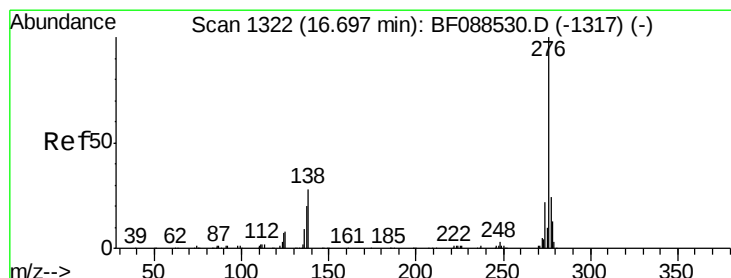
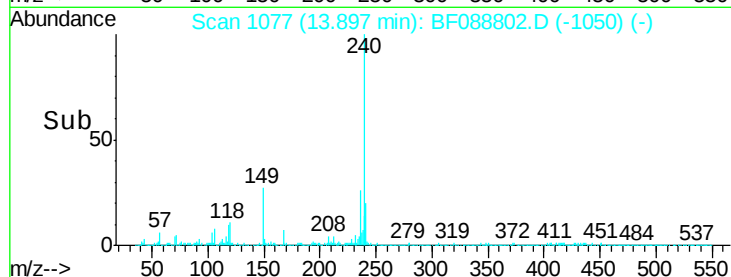
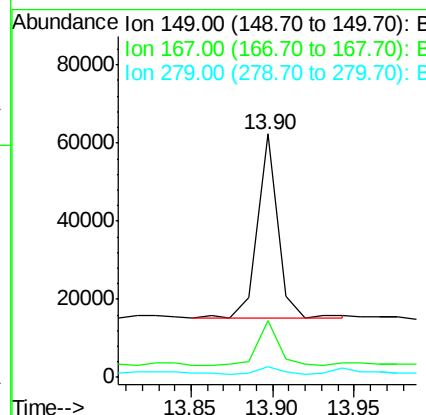
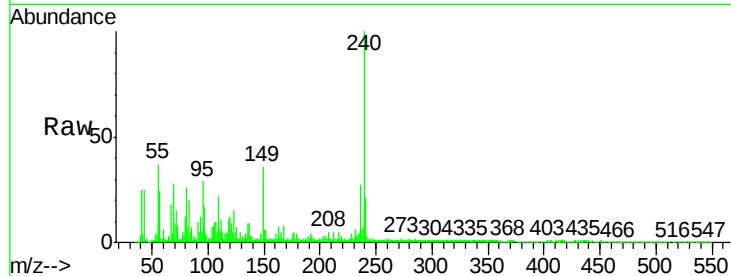




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.07 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

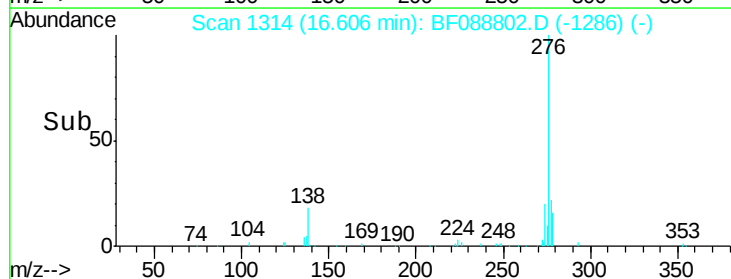
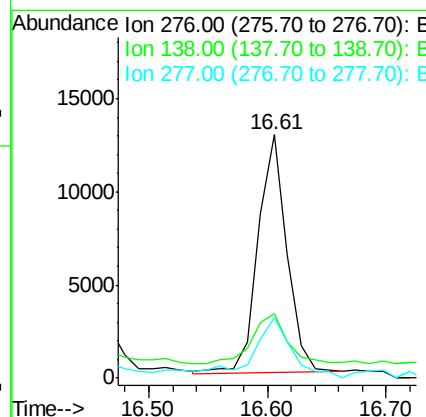
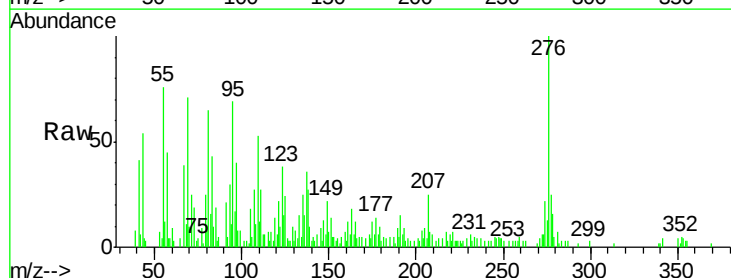
Instrument :
 BNA_F
 ClientSampleId :
 SS-10

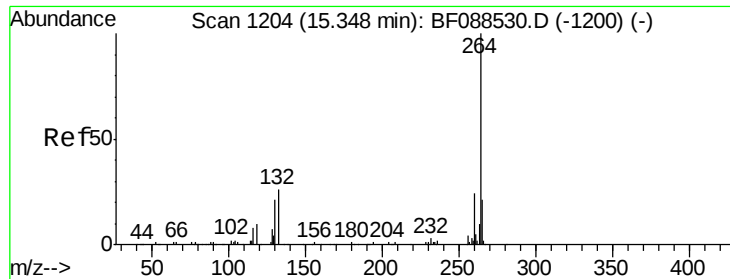
Tgt Ion:149 Resp: 41266
 Ion Ratio Lower Upper
 149 100
 167 23.5 20.5 30.7
 279 4.2 2.0 3.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.83 ng
 RT: 16.61 min Scan# 1314
 Delta R.T. 0.02 min
 Lab File: BF088802.D
 Acq: 8 Jul 2016 2:30

Tgt Ion:276 Resp: 21865
 Ion Ratio Lower Upper
 276 100
 138 25.3 0.0 0.0#
 277 34.2 0.0 0.0#



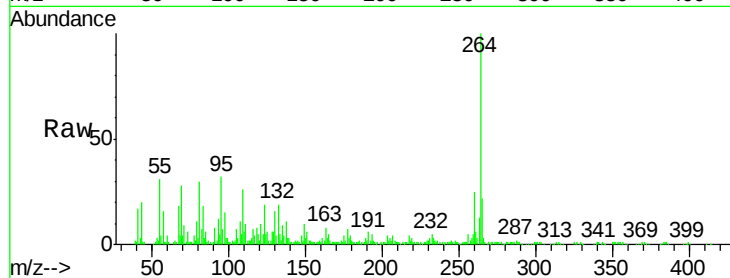


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. 0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

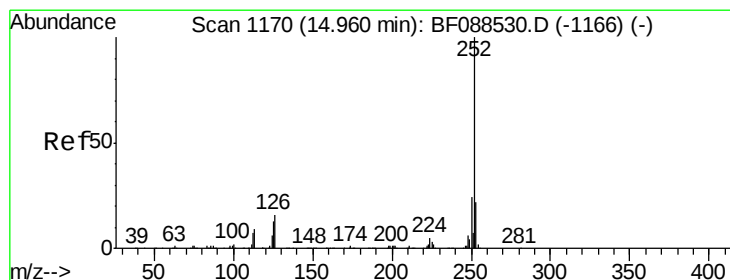
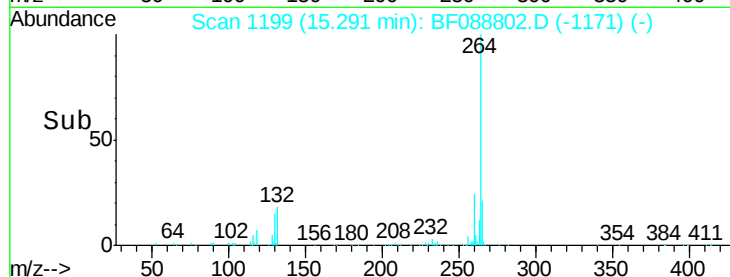
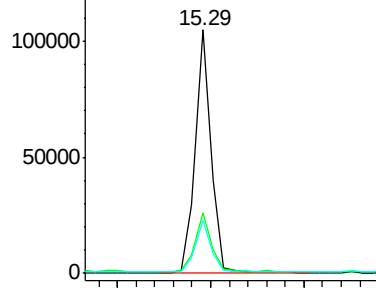
Instrument :
BNA_F
ClientSampled :
SS-10

Tgt Ion: 264 Resp: 125176

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.6	16.9	25.3



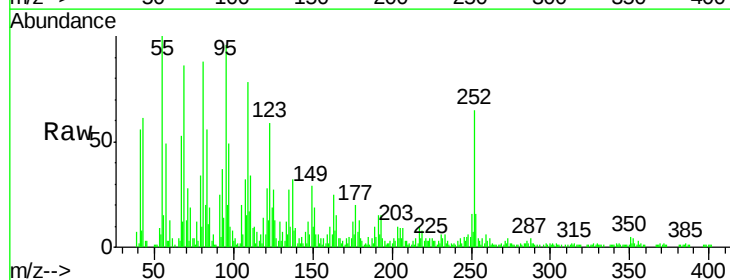
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



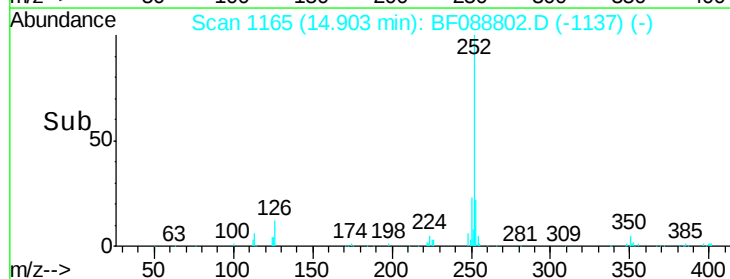
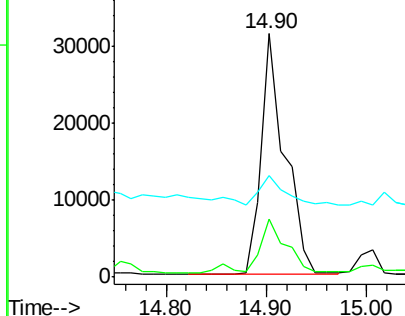
#87
Benzo(b)fluoranthene
Concen: 6.53 ng
RT: 14.90 min Scan# 1165
Delta R.T. 0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

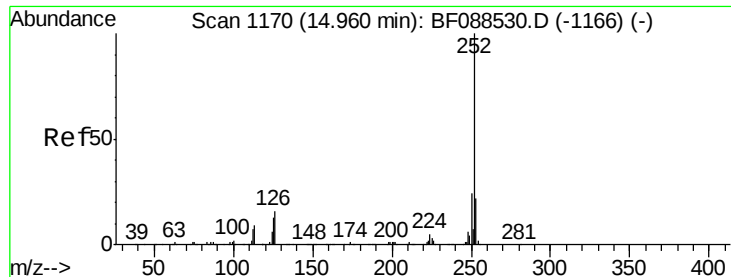
Tgt Ion: 252 Resp: 51283

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	41.5	7.1	10.7#



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

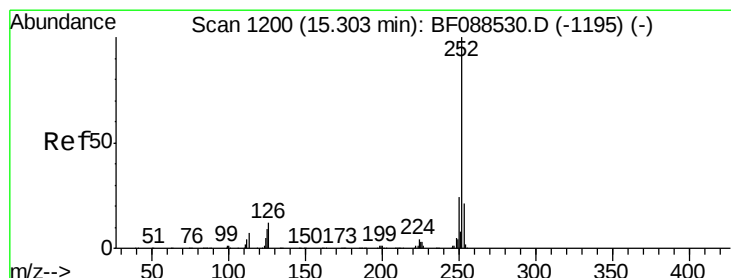
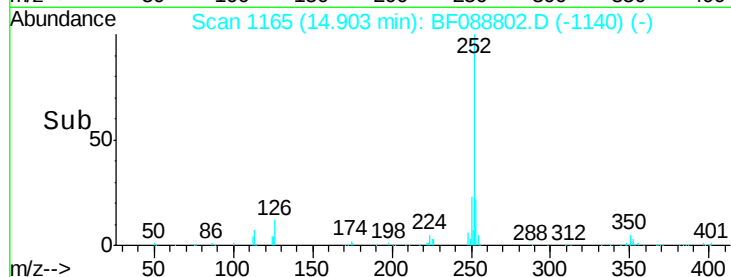
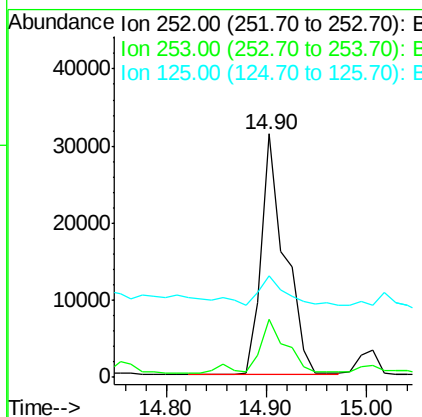
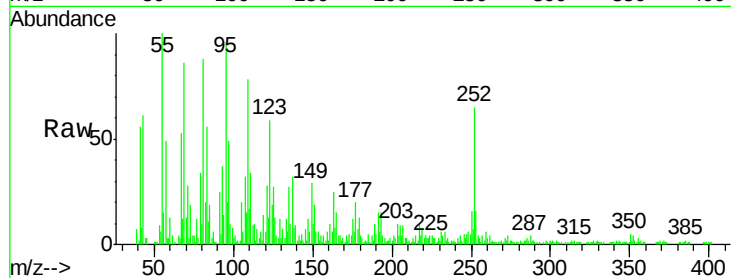




#88
Benzo(k)fluoranthene
Concen: 7.50 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

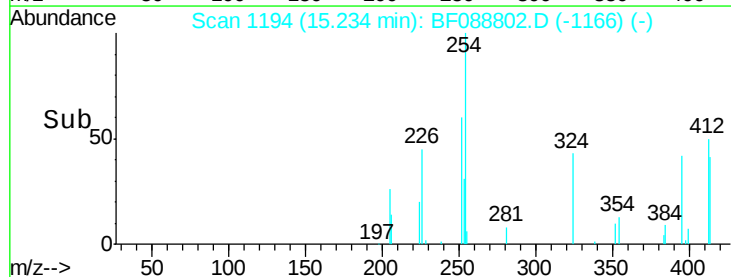
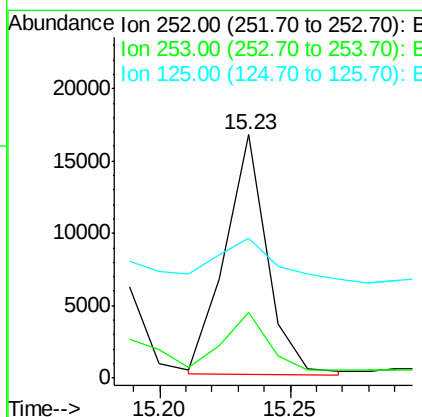
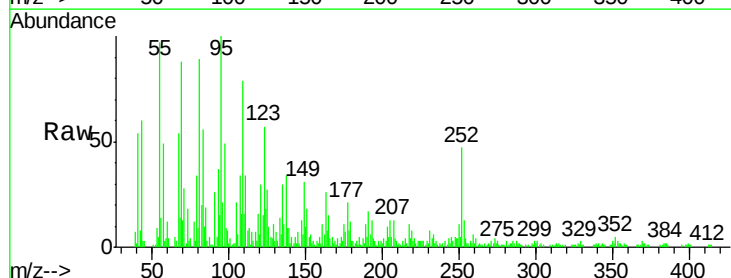
Instrument :
BNA_F
ClientSampleId :
SS-10

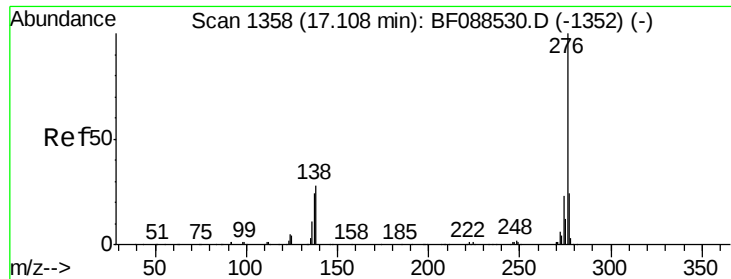
Tgt Ion: 252 Resp: 51283
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 41.5 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 2.82 ng
RT: 15.23 min Scan# 1194
Delta R.T. 0.02 min
Lab File: BF088802.D
Acq: 8 Jul 2016 2:30

Tgt Ion: 252 Resp: 18728
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 57.3 12.5 18.7#





#91

Benzo(g,h,i)perylene

Concen: 3.99 ng

RT: 16.99 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF088802.D

Acq: 8 Jul 2016 2:30

Instrument :

BNA_F

ClientSampleId :

SS-10

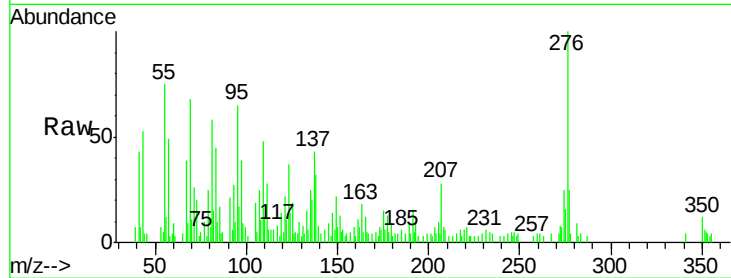
Tgt Ion: 276 Resp: 22911

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 31.7 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

