

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089655.D
 Acq On : 6 Aug 2016 7:32
 Operator : UM/SJ
 Sample : H4364-01
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

Quant Time: Aug 08 00:51:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

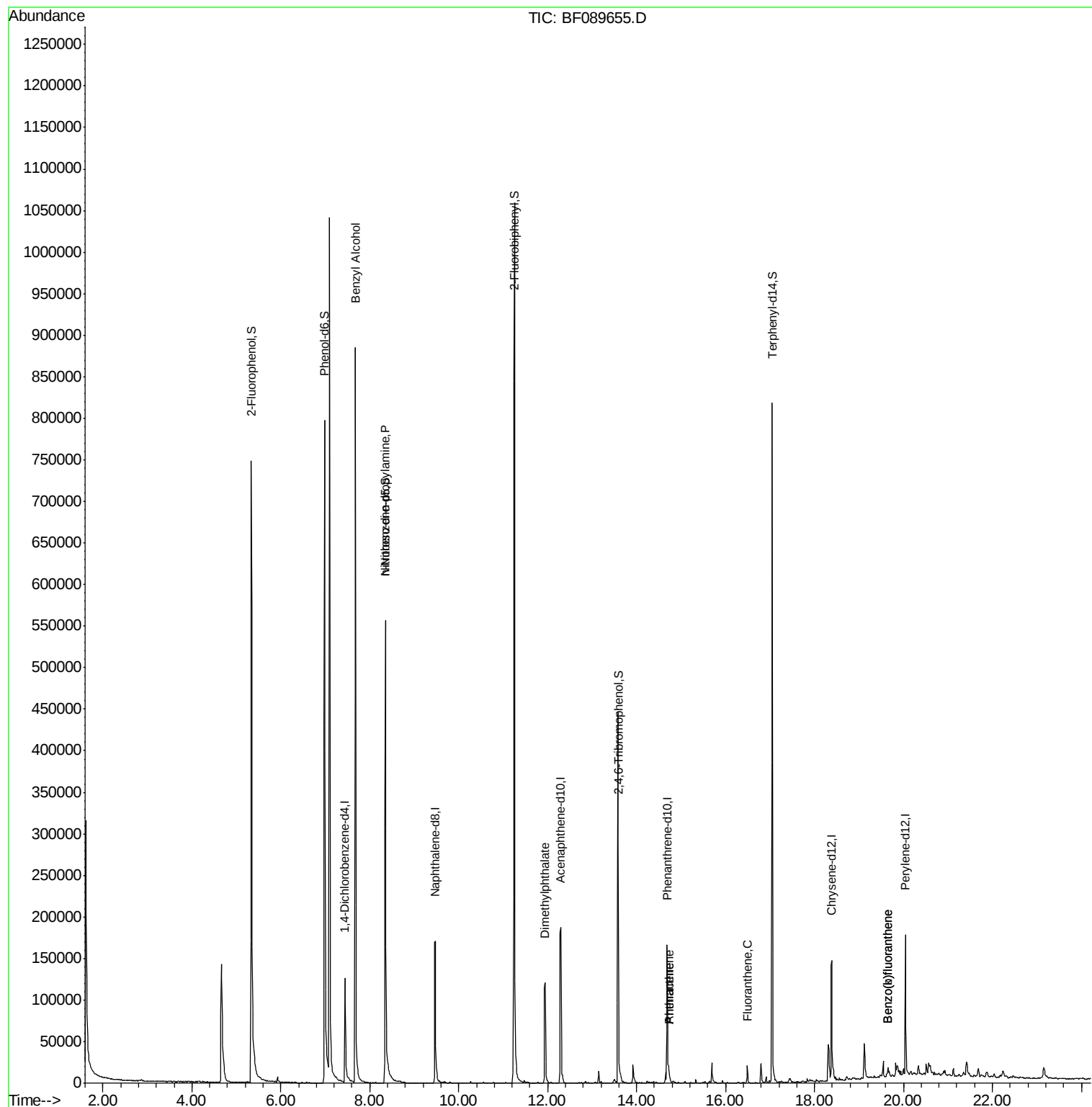
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	41608	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	162609	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	66847	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	100908	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	84294	20.00	ng	0.00
86) Perylene-d12	20.05	264	75764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	402107	161.98	ng	0.02
7) Phenol-d6	6.98	99	521152	154.75	ng	0.00
23) Nitrobenzene-d5	8.35	82	329852	112.20	ng	-0.01
41) 2,4,6-Tribromophenol	13.59	330	74676	135.37	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	571254	111.06	ng	0.00
78) Terphenyl-d14	17.05	244	321417	75.27	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.68	79	5448	2.47	ng	# 45
19) n-Nitroso-di-n-propylamine	8.35	70	39633	16.29	ng	# 82
49) Dimethylphthalate	11.94	163	94690	18.07	ng	100
70) Phenanthrene	14.73	178	13911	2.54	ng	98
71) Anthracene	14.73	178	13911	2.36	ng	99
74) Fluoranthene	16.49	202	13730	2.43	ng	98
87) Benzo(b)fluoranthene	19.65	252	9960	2.14	ng	# 93
88) Benzo(k)fluoranthene	19.65	252	9960	2.12	ng	# 96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

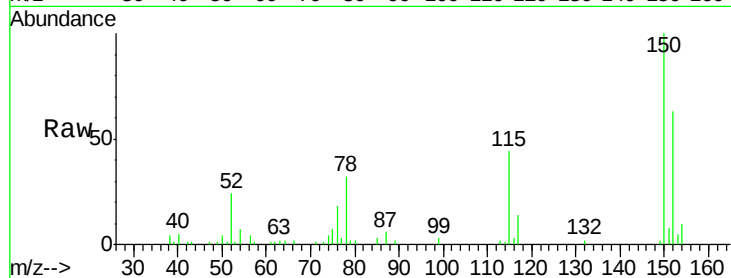
Tgt Ion:152 Resp: 41608

Ion Ratio Lower Upper

152 100

150 159.5 125.5 188.3

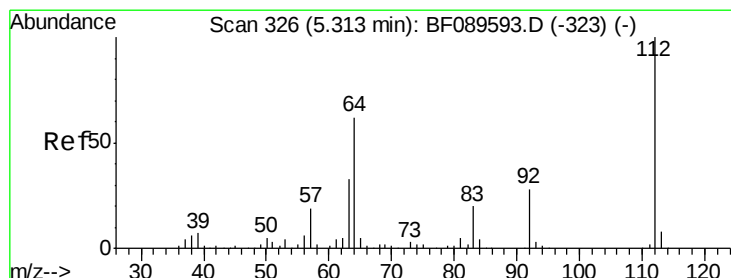
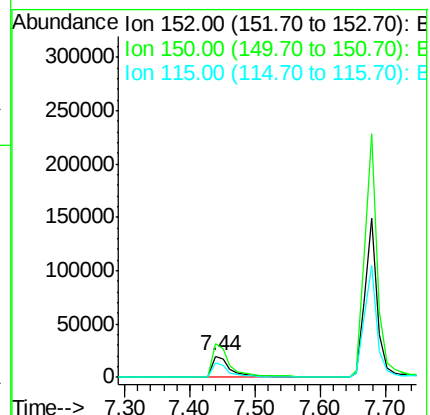
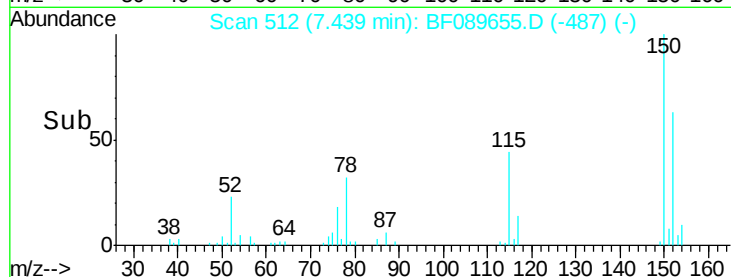
115 69.9 52.0 78.0



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: 161.98 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

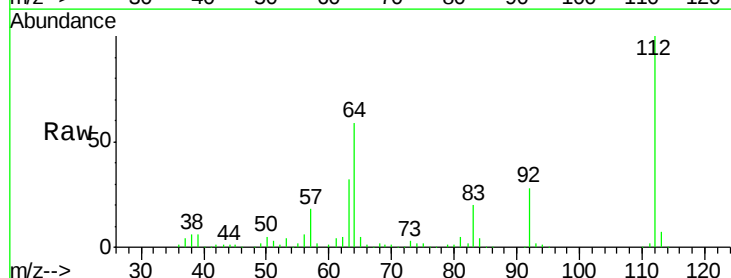
Tgt Ion:112 Resp: 402107

Ion Ratio Lower Upper

112 100

64 59.5 49.9 74.9

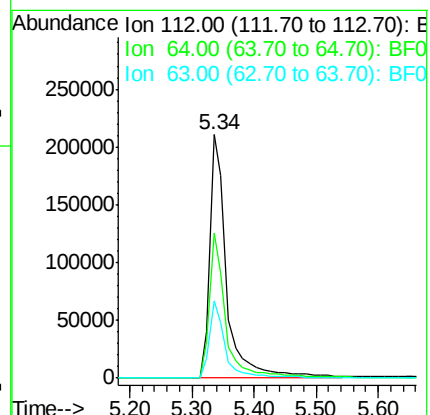
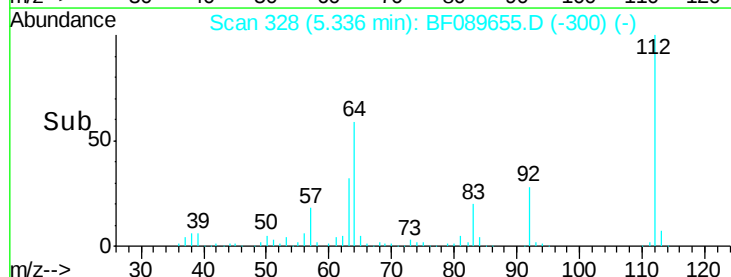
63 31.8 26.1 39.1

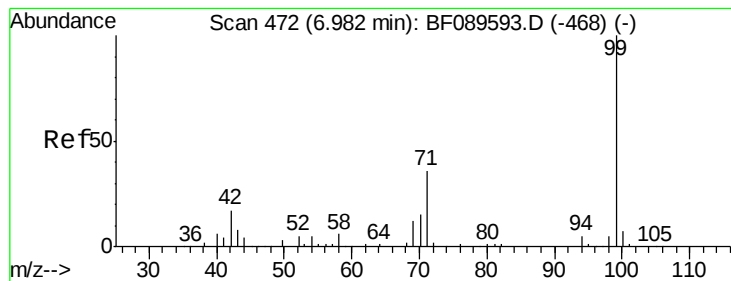


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 154.75 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

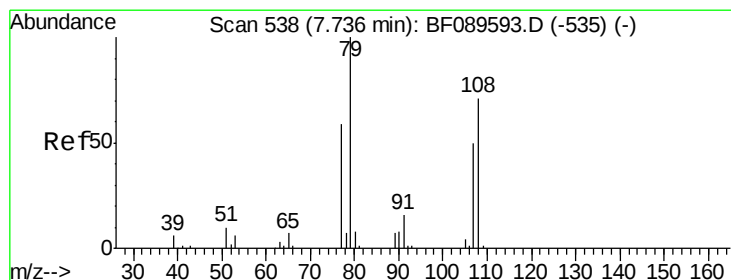
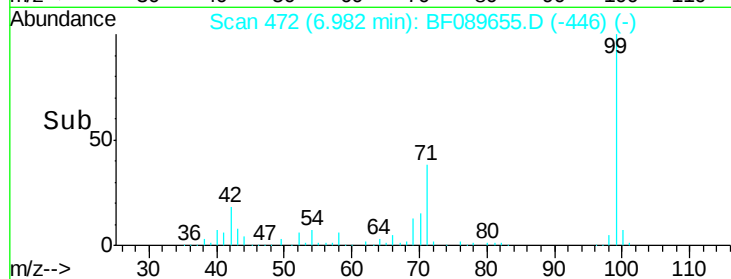
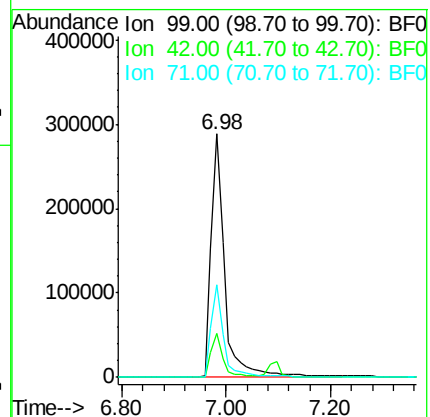
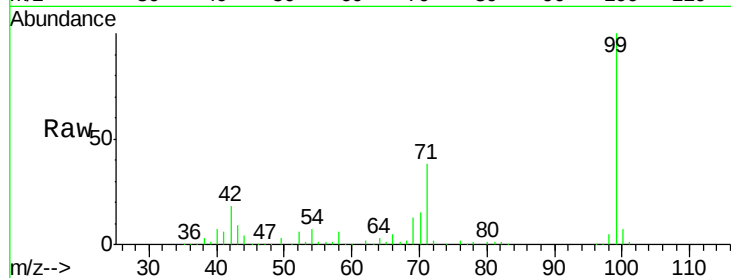
Tgt Ion: 99 Resp: 521152

Ion Ratio Lower Upper

99 100

42 17.9 13.7 20.5

71 37.8 29.0 43.4



#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

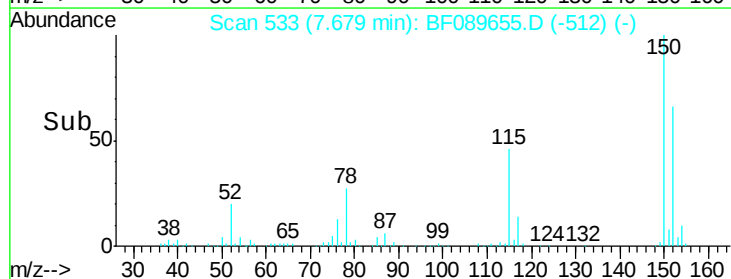
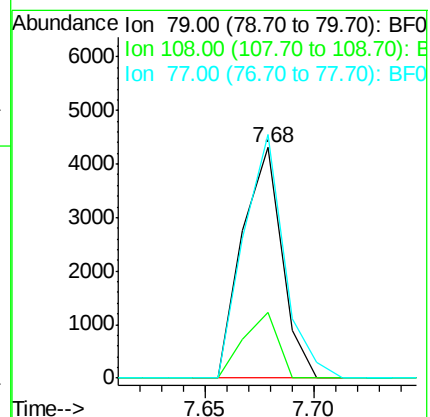
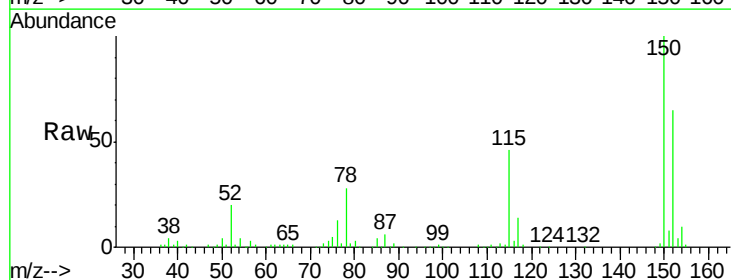
Tgt Ion: 79 Resp: 5448

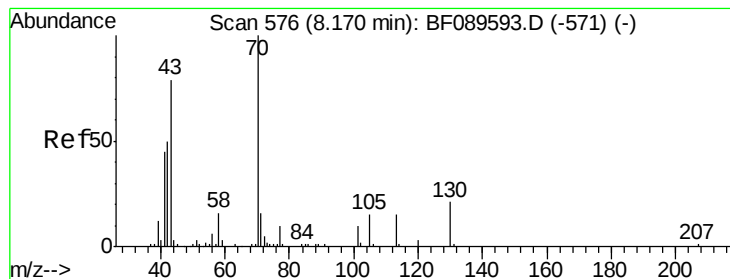
Ion Ratio Lower Upper

79 100

108 28.6 58.3 87.5#

77 105.6 48.7 73.1#





#19

n-Nitroso-di-n-propylamine

Concen: 16.29 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

Tgt Ion: 70 Resp: 39633

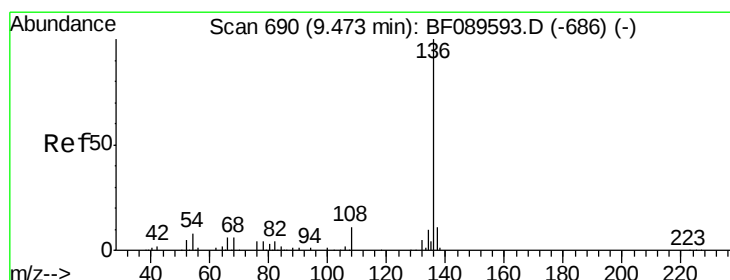
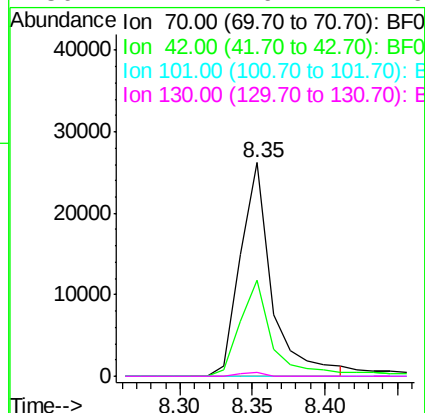
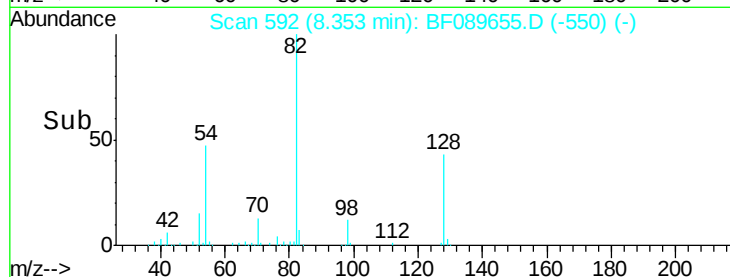
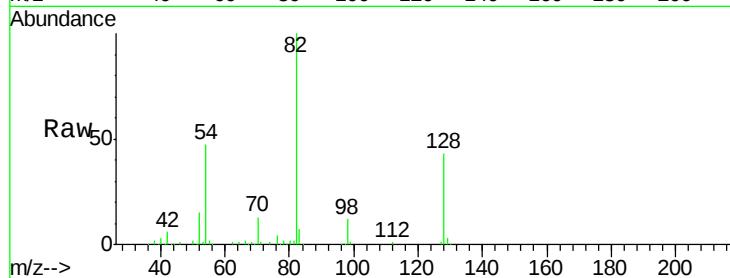
Ion Ratio Lower Upper

70 100

42 44.7 40.2 60.2

101 0.0 7.8 11.6#

130 2.1 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Tgt Ion: 136 Resp: 162609

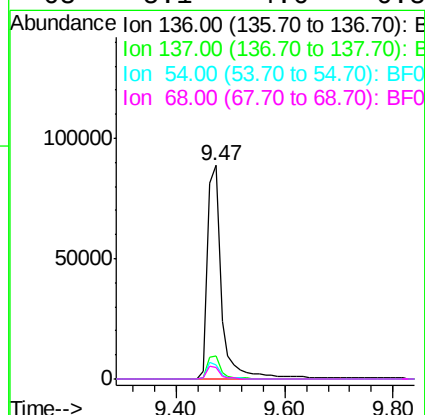
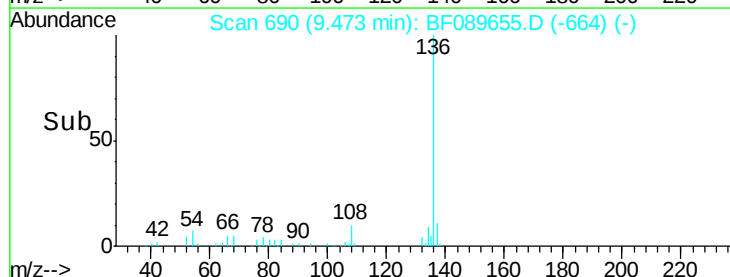
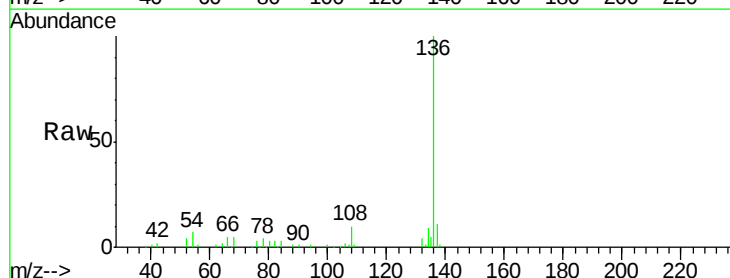
Ion Ratio Lower Upper

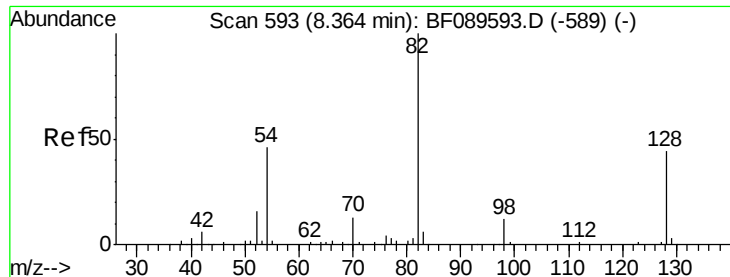
136 100

137 10.7 8.6 12.8

54 6.7 6.0 9.0

68 5.1 4.6 6.8

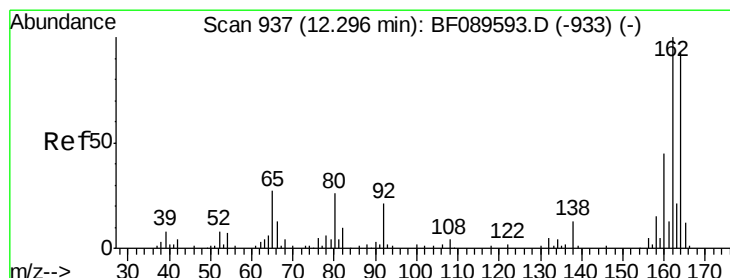
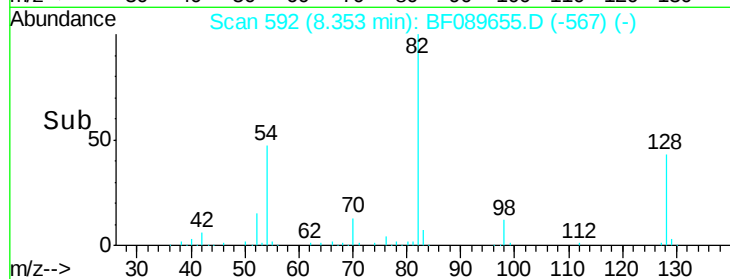
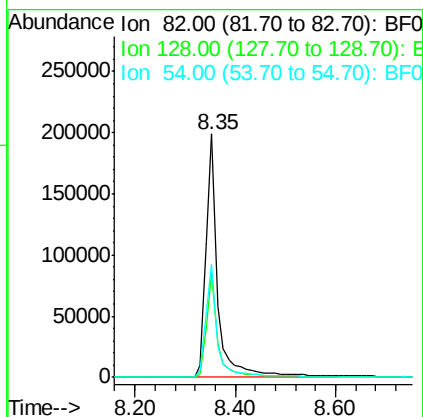
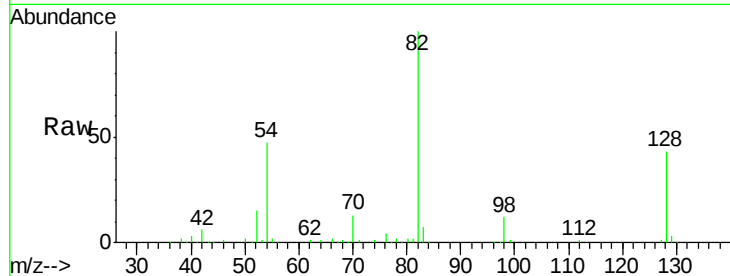




#23
 Nitrobenzene-d5
 Concen: 112.20 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

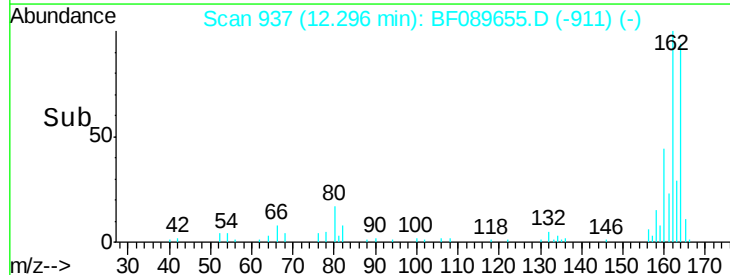
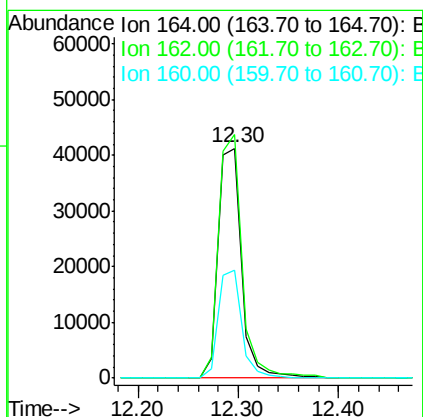
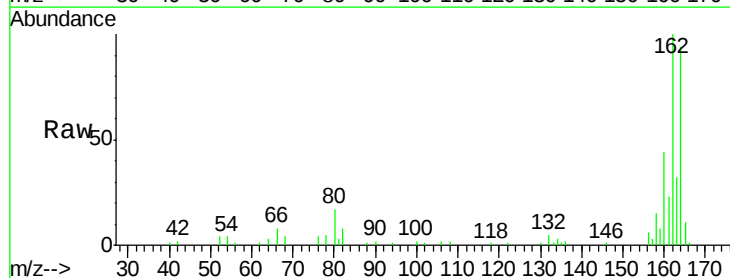
Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

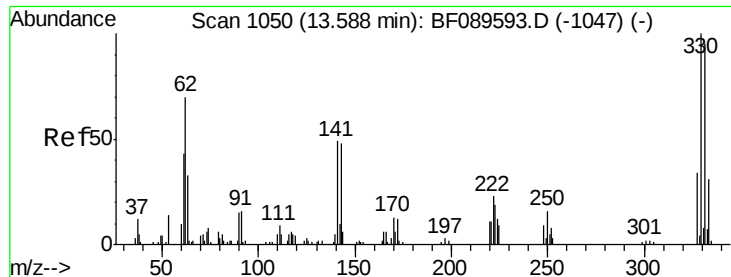
Tgt Ion: 82 Resp: 329852
 Ion Ratio Lower Upper
 82 100
 128 42.7 35.4 53.0
 54 46.5 36.4 54.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

Tgt Ion: 164 Resp: 66847
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.7 128.5
 160 47.1 38.2 57.4

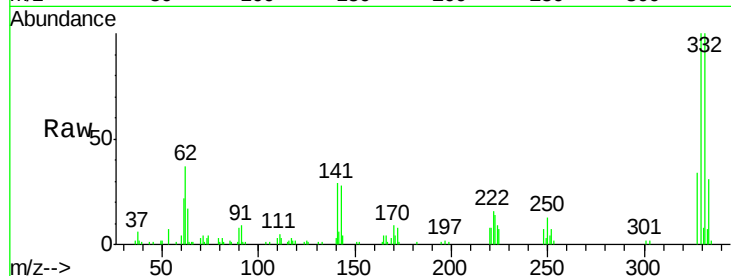




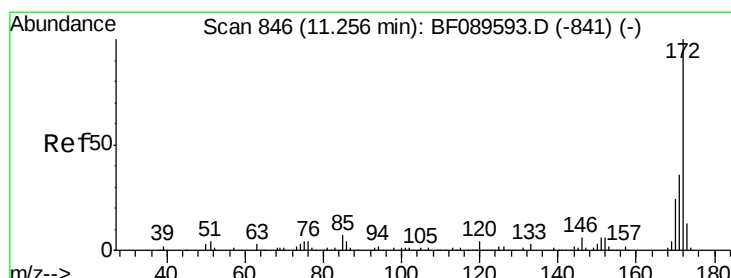
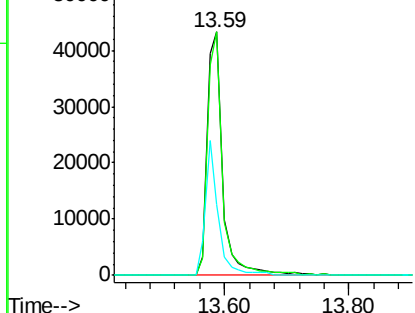
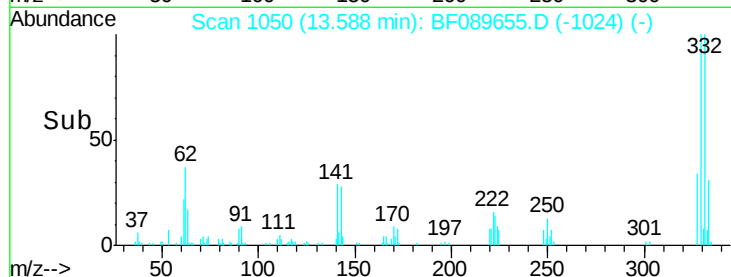
#41
 2,4,6-Tribromophenol
 Concen: 135.37 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

Tgt Ion: 330 Resp: 74676
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 46.5 38.6 57.8

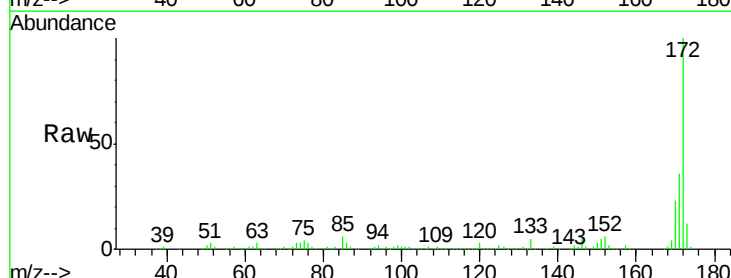


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

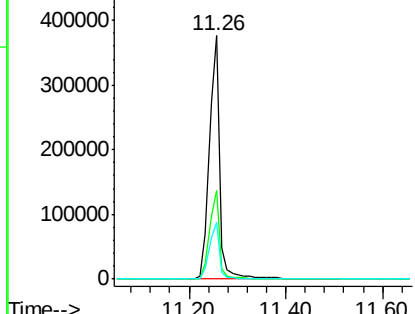
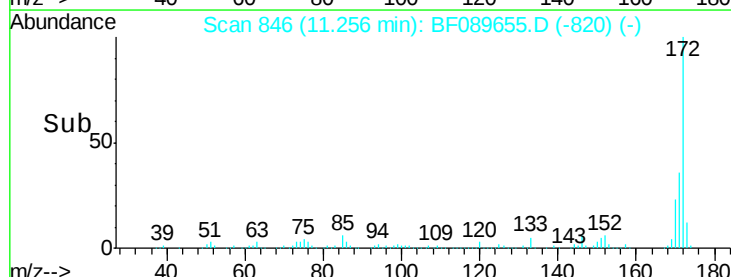


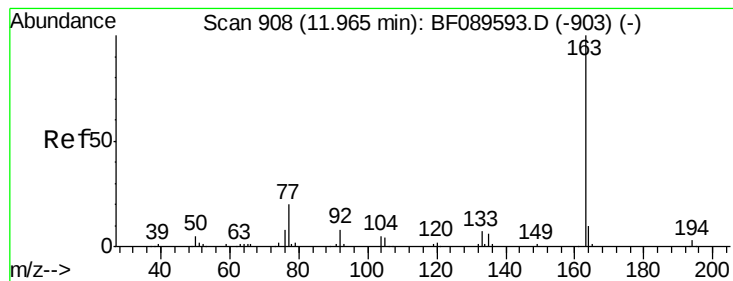
#44
 2-Fluorobiphenyl
 Concen: 111.06 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

Tgt Ion: 172 Resp: 571254
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 23.5 19.0 28.6



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: 18.07 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Instrument :

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ClientSampleId :

MMA-FL-01

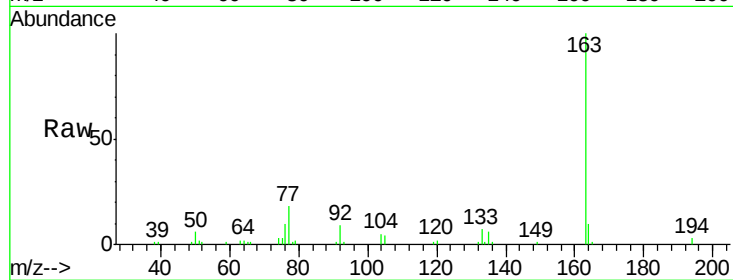
Tgt Ion:163 Resp: 94690

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

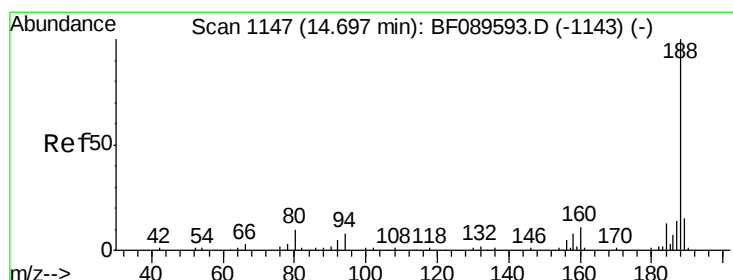
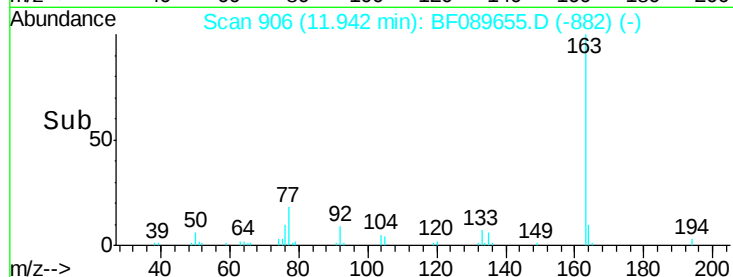
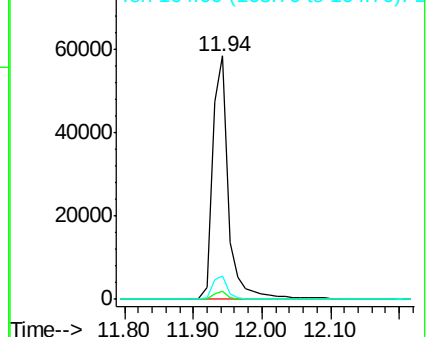
164 9.5 7.8 11.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

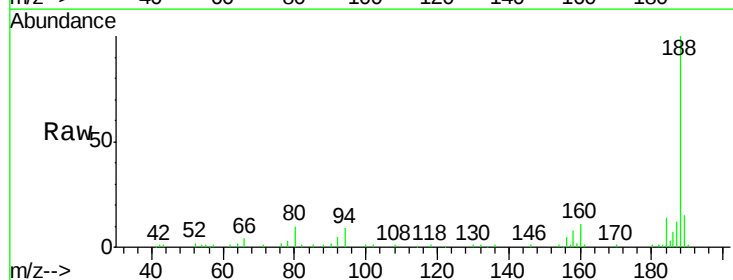
Tgt Ion:188 Resp: 100908

Ion Ratio Lower Upper

188 100

94 9.2 6.5 9.7

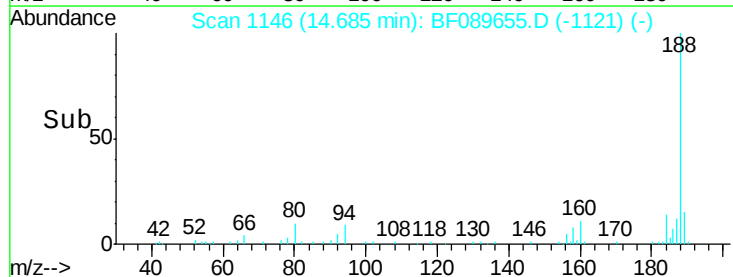
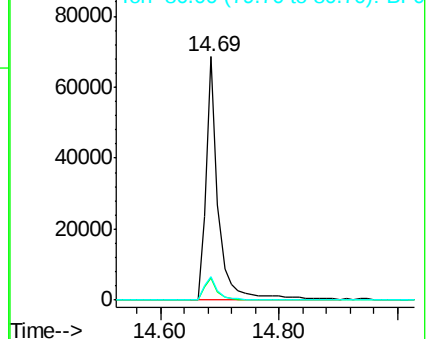
80 9.8 8.0 12.0

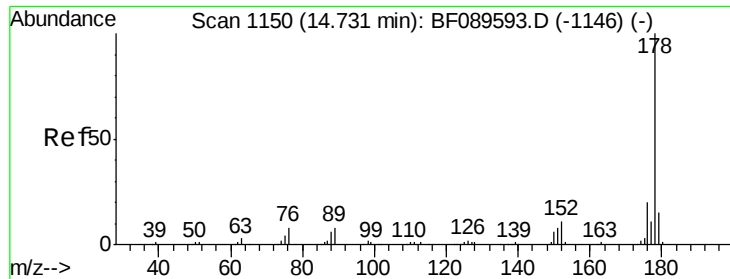


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

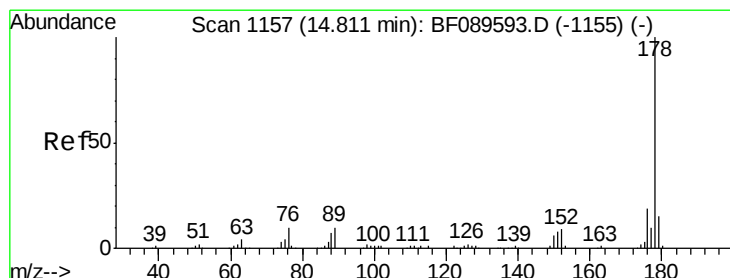
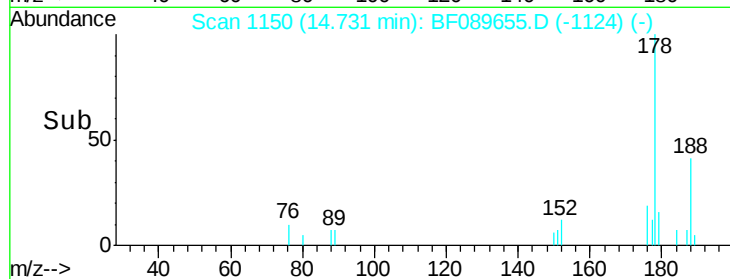
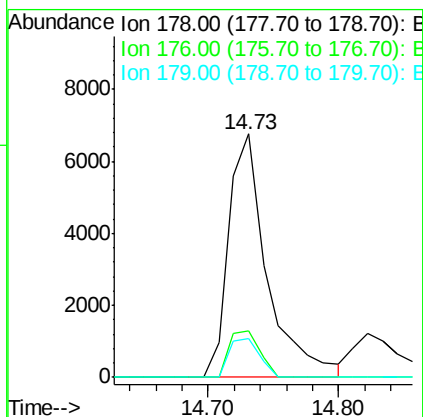
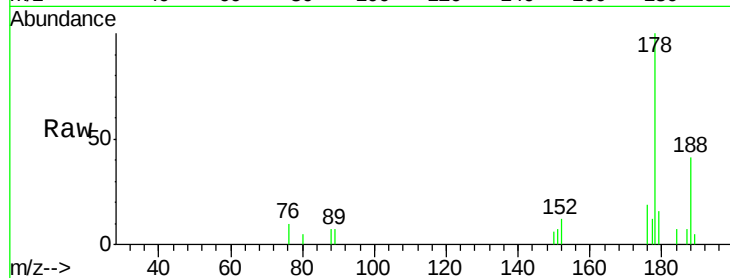




#70
Phenanthrene
Concen: 2.54 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF089655.D
Acq: 6 Aug 2016 7:32

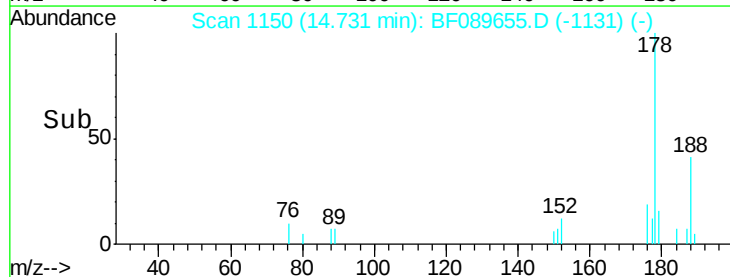
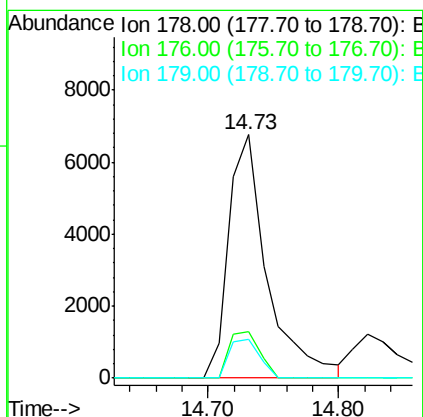
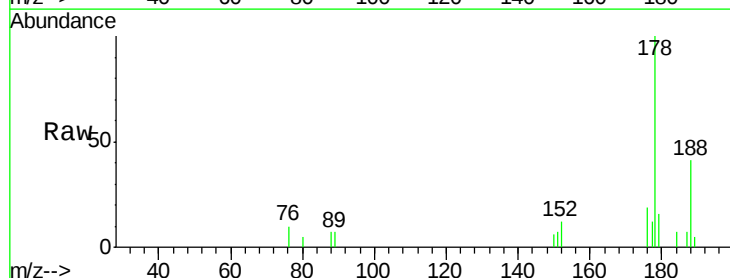
Instrument :
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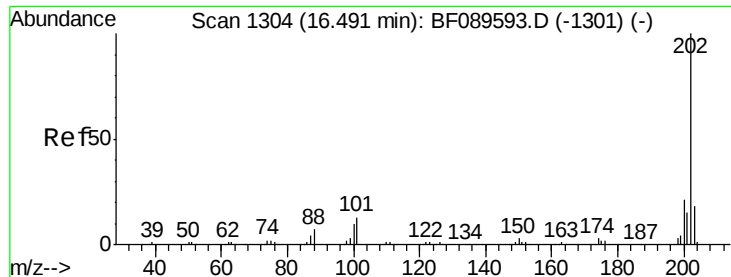
Tgt Ion:178 Resp: 13911
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 16.0 12.2 18.2



#71
Anthracene
Concen: 2.36 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.08 min
Lab File: BF089655.D
Acq: 6 Aug 2016 7:32

Tgt Ion:178 Resp: 13911
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 16.0 12.4 18.6

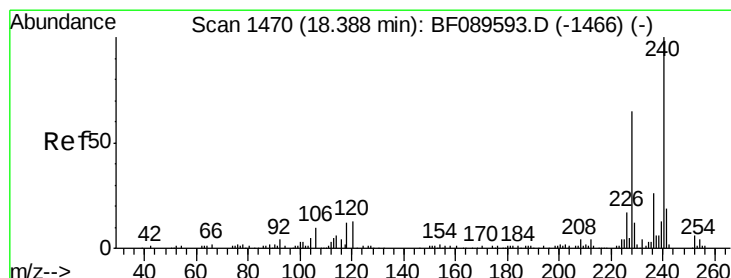
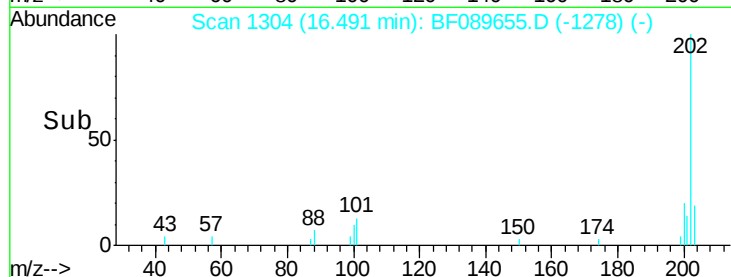
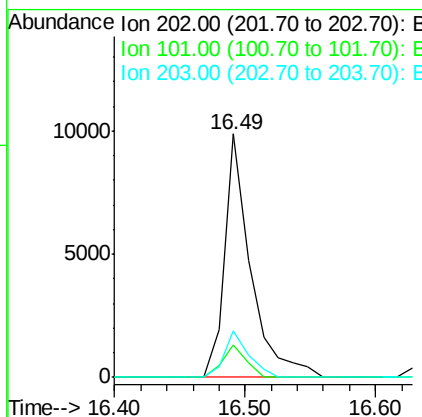
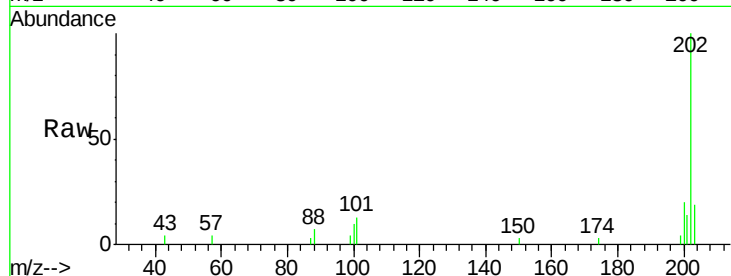




#74
 Fluoranthene
 Concen: 2.43 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

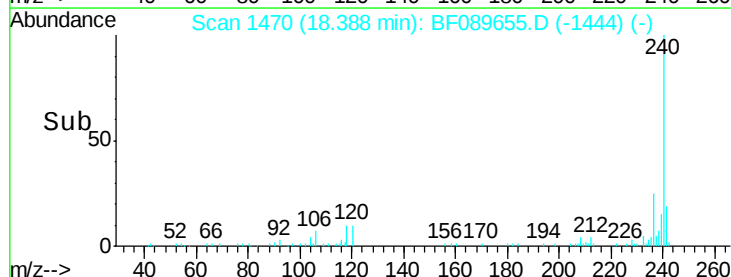
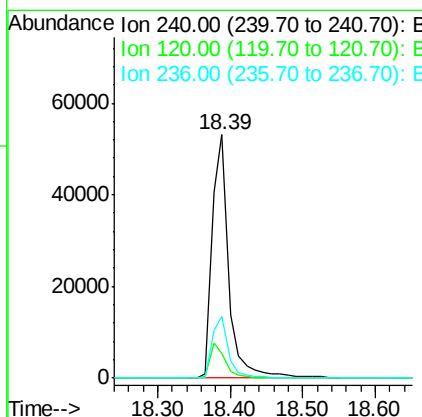
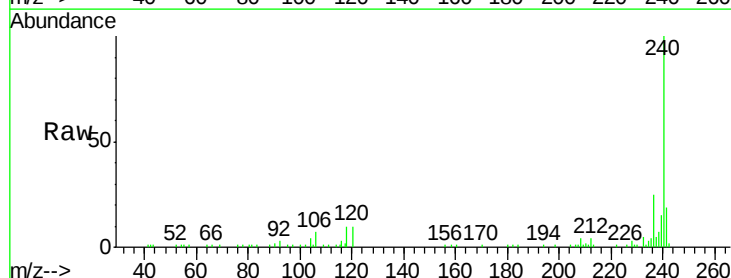
Instrument :
 BNA_F
 ClientSampleId :
 MMA-FL-01

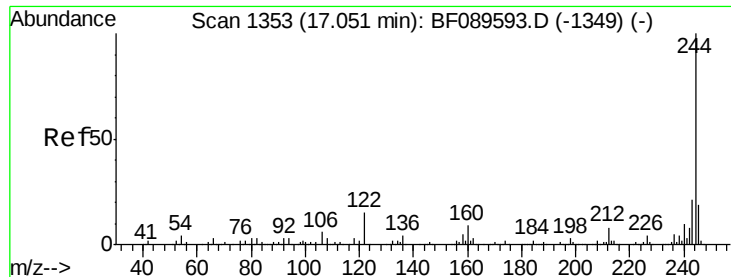
Tgt Ion: 202 Resp: 13730
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 32.7
 203 18.9 0.0 37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089655.D
 Acq: 6 Aug 2016 7:32

Tgt Ion: 240 Resp: 84294
 Ion Ratio Lower Upper
 240 100
 120 10.1 10.6 15.8#
 236 25.4 20.6 30.8





#78

Terphenyl-d14

Concen: 75.27 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

Instrument :

BNA_F

ClientSampleId :

MMA-FL-01

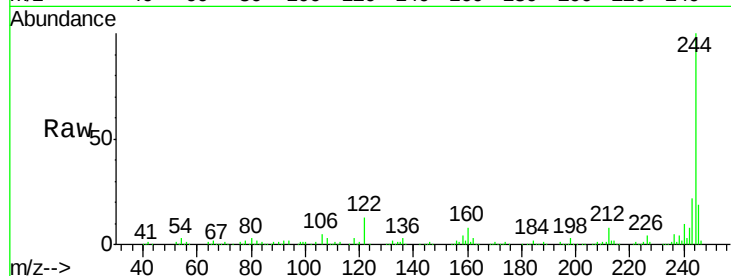
Tgt Ion:244 Resp: 321417

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

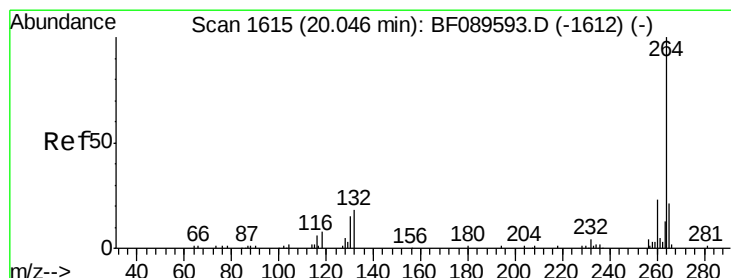
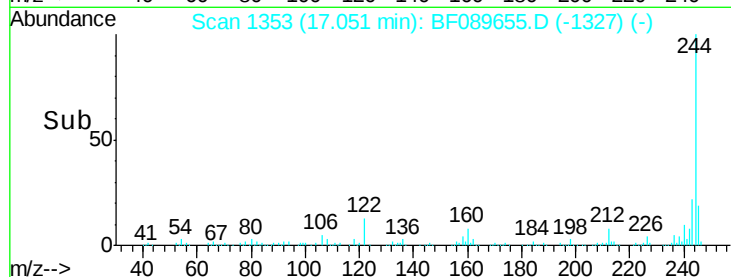
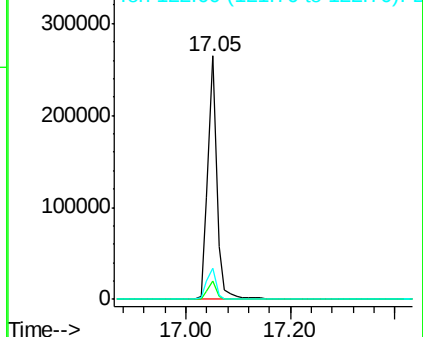
122 12.8 12.2 18.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.05 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF089655.D

Acq: 6 Aug 2016 7:32

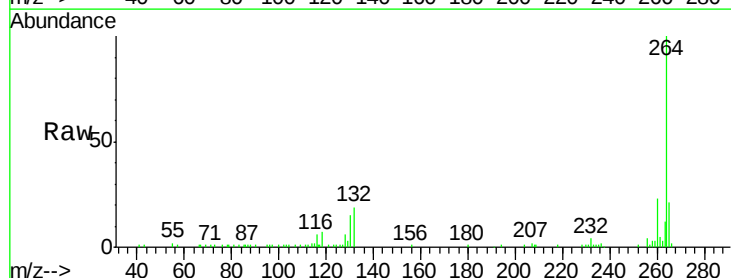
Tgt Ion:264 Resp: 75764

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

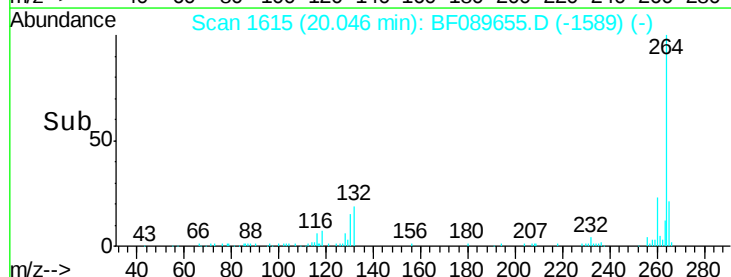
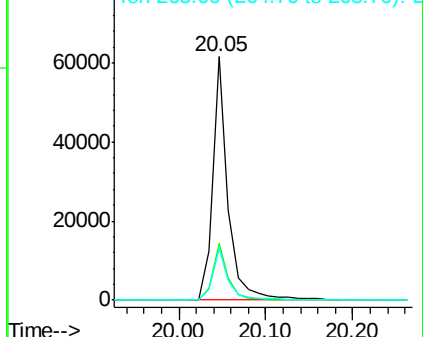
265 21.3 16.5 24.7

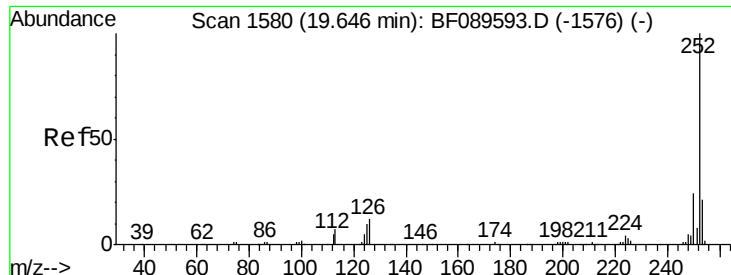


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

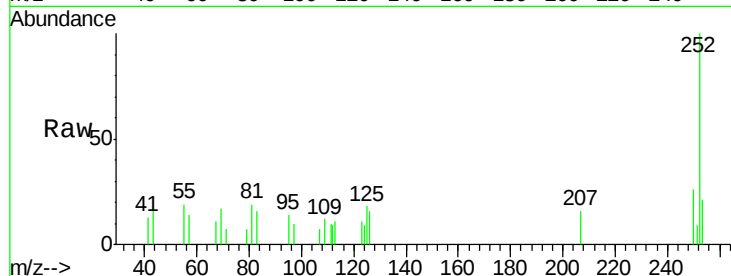




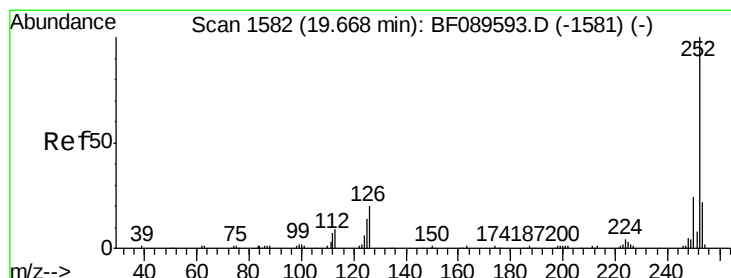
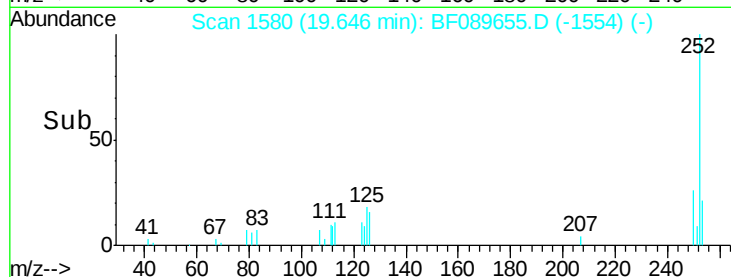
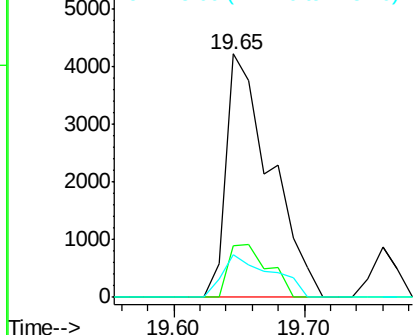
#87
Benzo(b)fluoranthene
Concen: 2.14 ng
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089655.D
Acq: 6 Aug 2016 7:32

Instrument :
BNA_F
ClientSampleId :
MMA-FL-01

Tgt Ion:252 Resp: 9960
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 17.7 7.8 11.8#

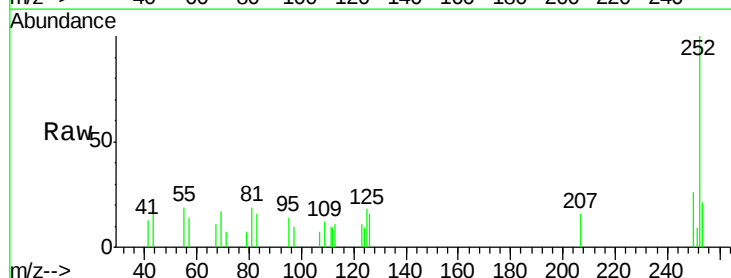


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.12 ng
RT: 19.65 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF089655.D
Acq: 6 Aug 2016 7:32

Tgt Ion:252 Resp: 9960
Ion Ratio Lower Upper
252 100
253 21.2 17.3 25.9
125 17.7 11.0 16.6#



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

