

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089633.D
 Acq On : 5 Aug 2016 16:36
 Operator : UM/SJ
 Sample : H4292-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Quant Time: Aug 05 23:04:27 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

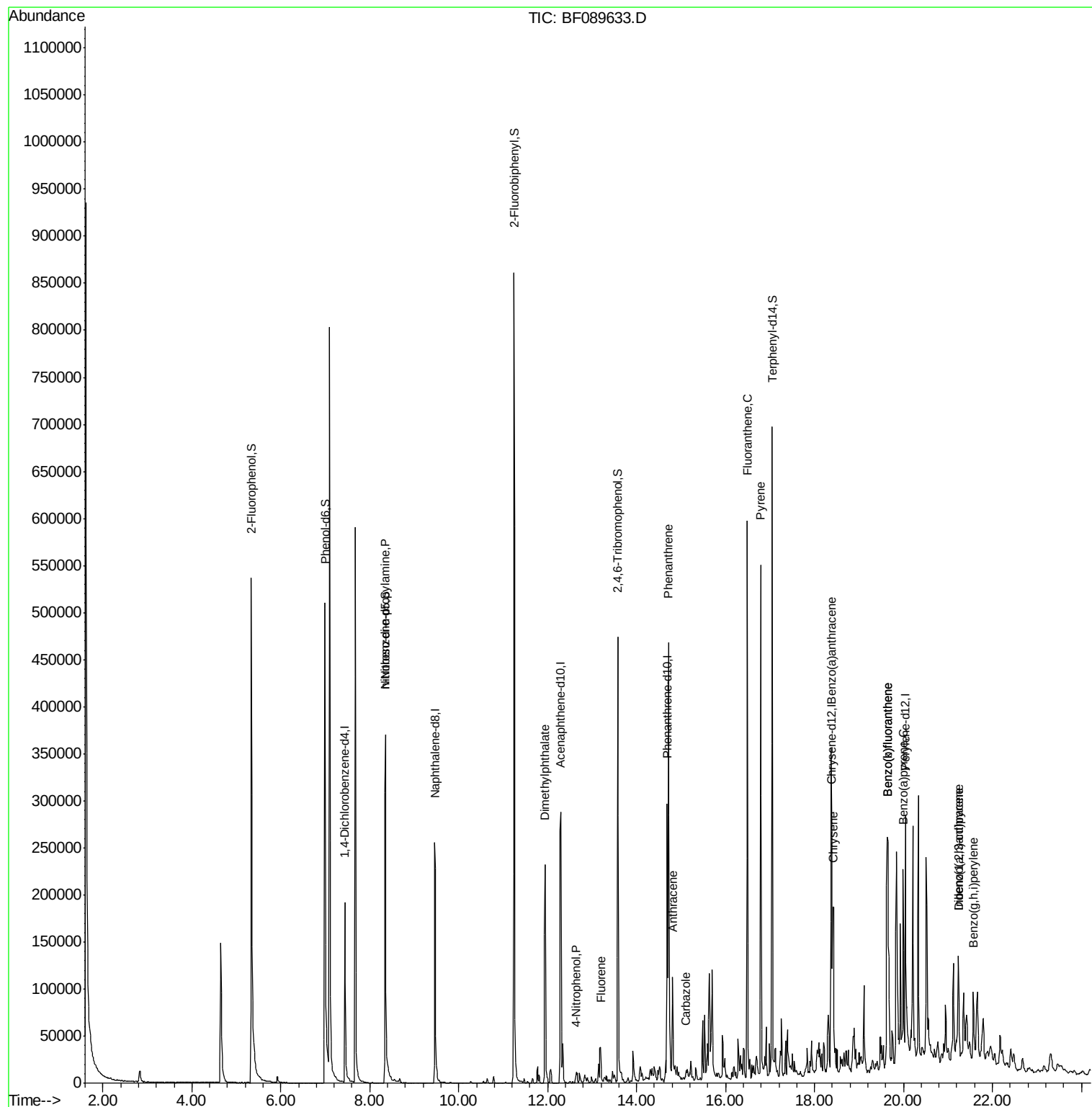
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	50190	20.00	ng	-0.01
21) Naphthalene-d8	9.46	136	213101	20.00	ng	-0.01
38) Acenaphthene-d10	12.30	164	96539	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	160003	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	99294	20.00	ng	0.00
86) Perylene-d12	20.05	264	108822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	286314	95.61	ng	0.02
7) Phenol-d6	6.99	99	399272	98.29	ng	0.01
23) Nitrobenzene-d5	8.35	82	248945	64.62	ng	-0.01
41) 2,4,6-Tribromophenol	13.58	330	70880	88.97	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	435763	58.66	ng	-0.01
78) Terphenyl-d14	17.05	244	266973	53.08	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.35	70	30068	10.25	ng	# 80
49) Dimethylphthalate	11.94	163	141690	18.73	ng	99
55) 4-Nitrophenol	12.64	139	4324	9.73	ng	# 21
57) Fluorene	13.19	166	21400	2.93	ng	100
70) Phenanthrene	14.72	178	263518	30.29	ng	99
71) Anthracene	14.81	178	77538	8.31	ng	98
72) Carbazole	15.11	167	15689	2.02	ng	# 96
74) Fluoranthene	16.49	202	305273	34.13	ng	98
77) Pyrene	16.79	202	234783	26.74	ng	# 95
80) Benzo(a)anthracene	18.38	228	121533	21.30	ng	98
82) Chrysene	18.42	228	85987	14.37	ng	97
85) Indeno(1,2,3-cd)pyrene	21.23	276	59297	13.05	ng	# 92
87) Benzo(b)fluoranthene	19.65	252	172578	25.79	ng	# 97
88) Benzo(k)fluoranthene	19.65	252	172578	25.56	ng	98
89) Benzo(a)pyrene	19.99	252	96223	15.36	ng	# 95
90) Dibenzo(a,h)anthracene	21.23	278	15568	2.66	ng	# 76
91) Benzo(g,h,i)perylene	21.57	276	52811	8.81	ng	97

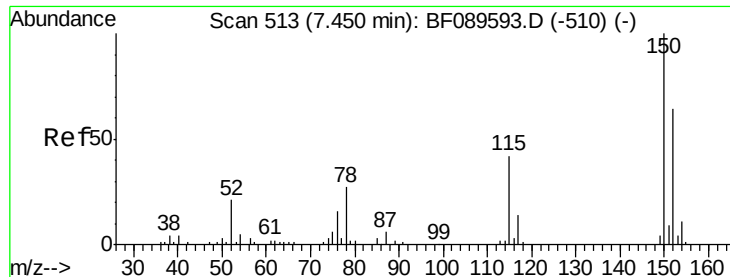
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampled :

SS9-0-2IN

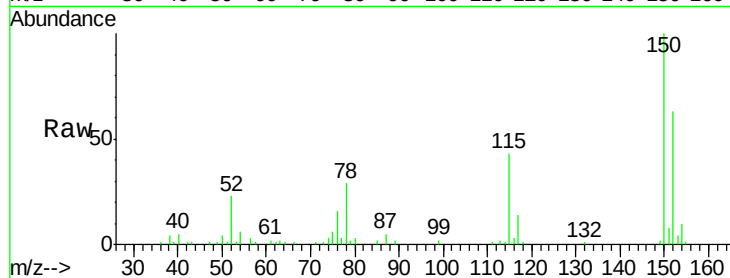
Tgt Ion:152 Resp: 50190

Ion Ratio Lower Upper

152 100

150 159.2 125.5 188.3

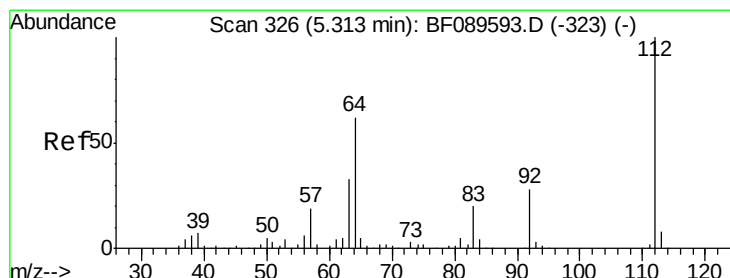
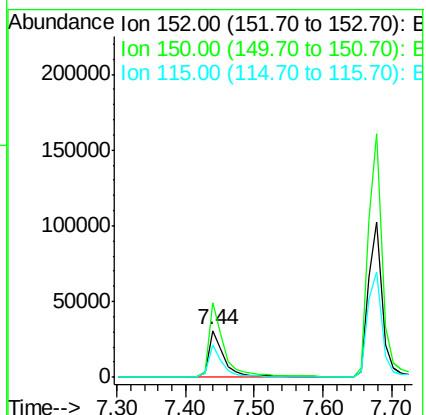
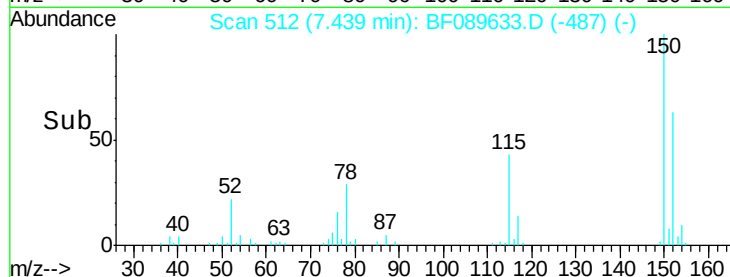
115 68.7 52.0 78.0



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: 95.61 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

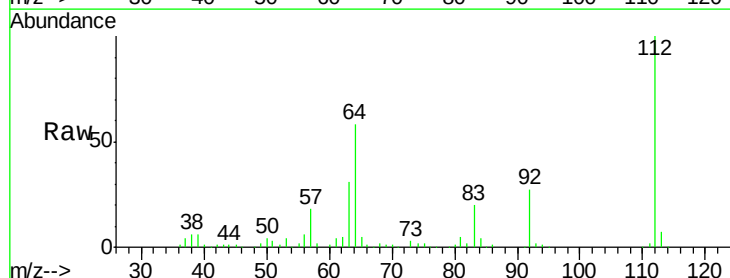
Tgt Ion:112 Resp: 286314

Ion Ratio Lower Upper

112 100

64 58.2 49.9 74.9

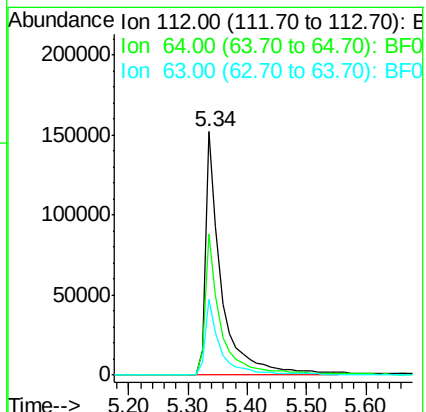
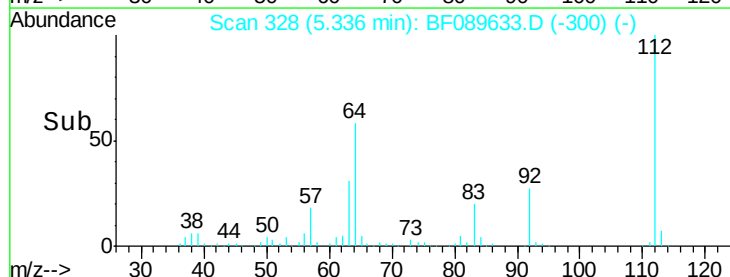
63 31.4 26.1 39.1

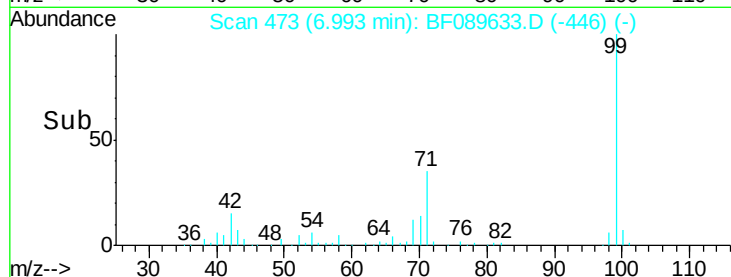
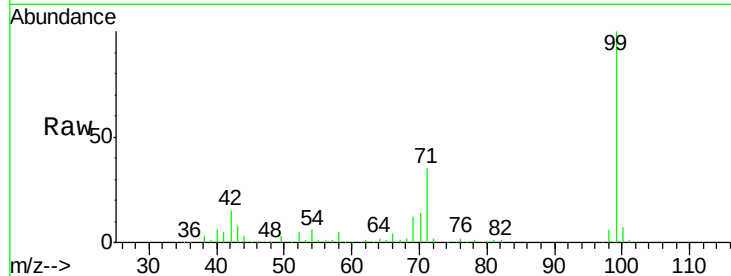
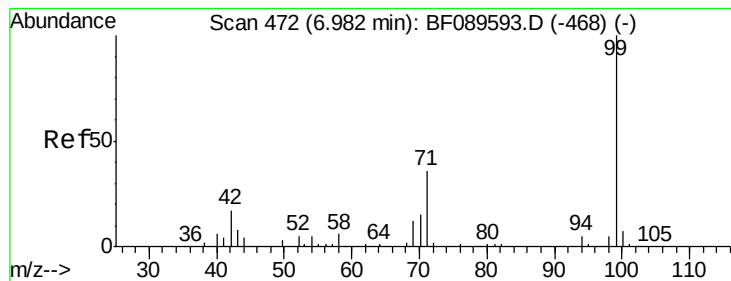


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.29 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

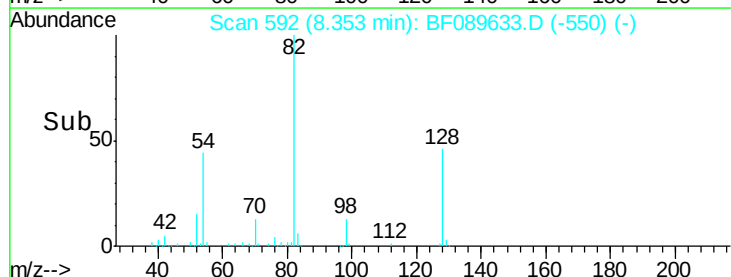
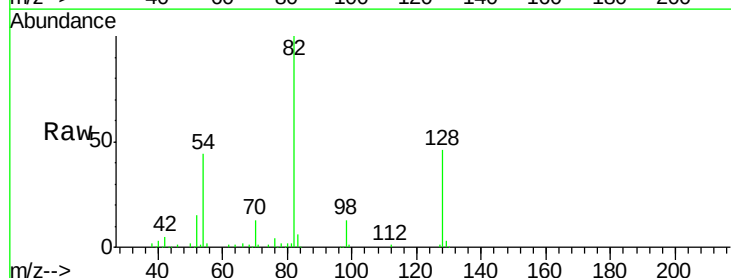
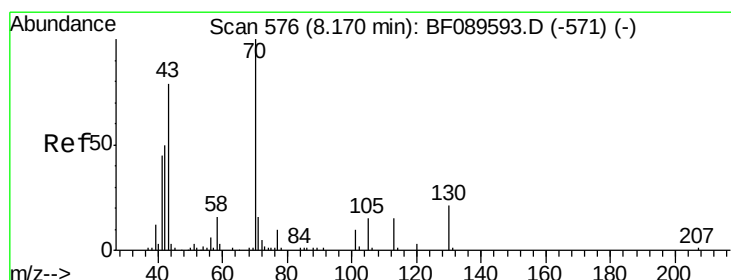
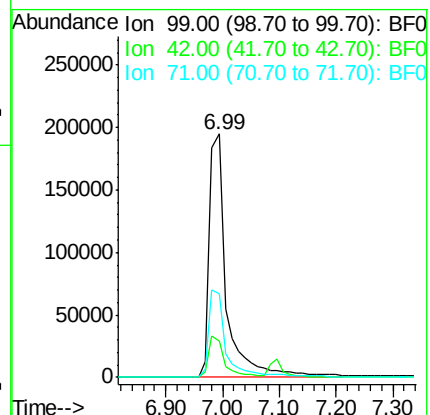
Tgt Ion: 99 Resp: 399272

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

71 34.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.25 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Tgt Ion: 70 Resp: 30068

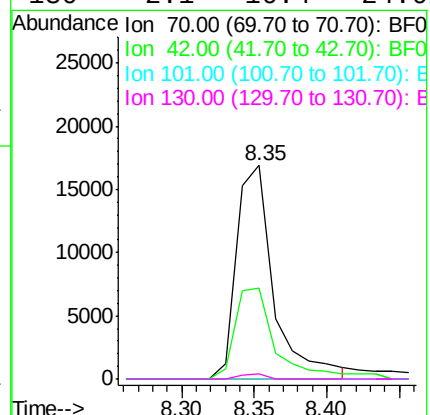
Ion Ratio Lower Upper

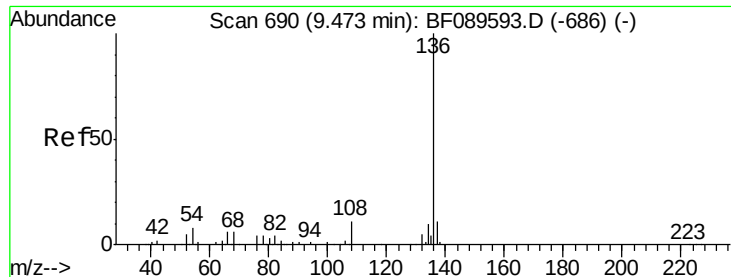
70 100

42 42.6 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: 9.46 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

Tgt Ion: 136 Resp: 213101

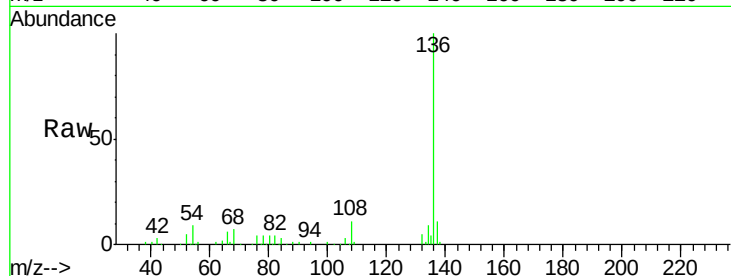
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 8.5 6.0 9.0

68 6.6 4.6 6.8

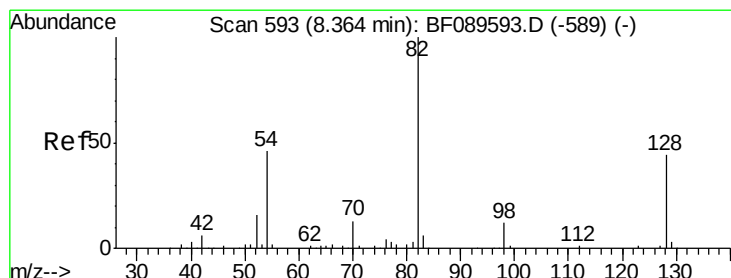
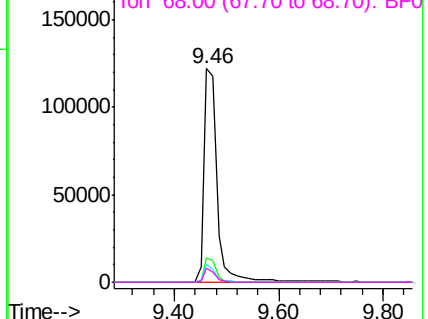
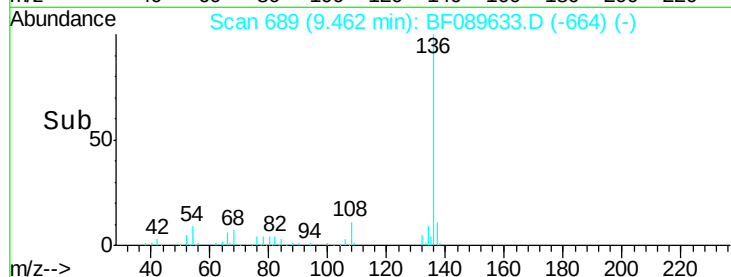


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.62 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

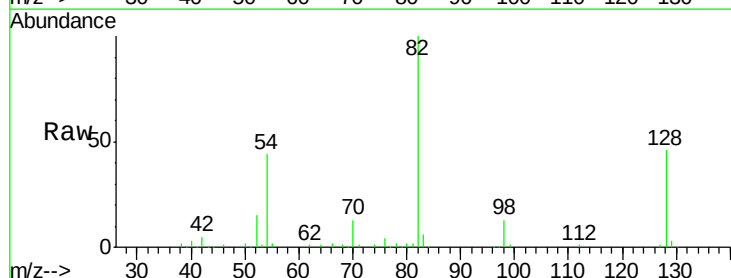
Tgt Ion: 82 Resp: 248945

Ion Ratio Lower Upper

82 100

128 45.7 35.4 53.0

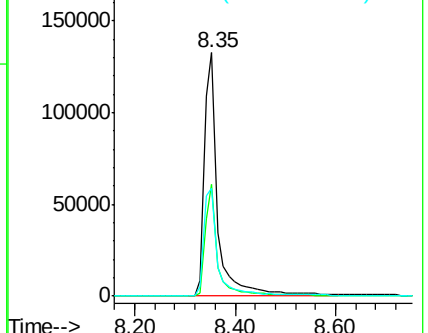
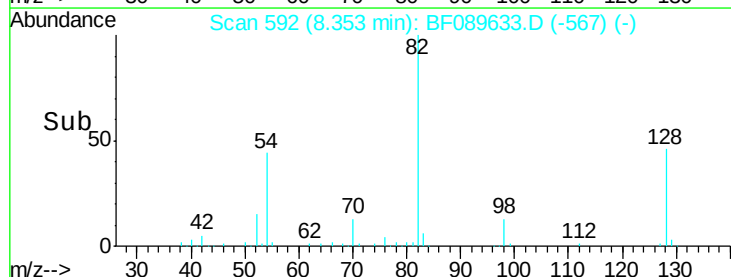
54 44.4 36.4 54.6

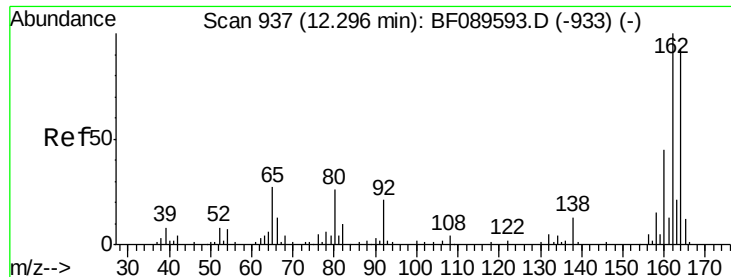


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.30 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

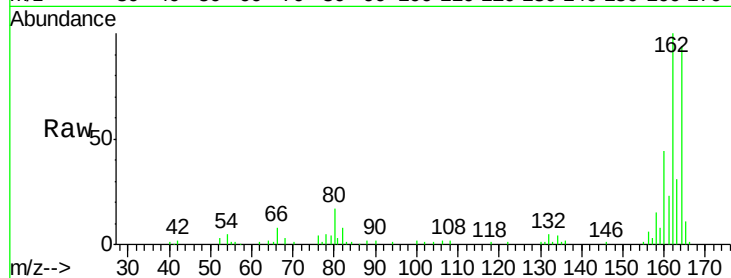
Tgt Ion:164 Resp: 96539

Ion Ratio Lower Upper

164 100

162 106.5 85.7 128.5

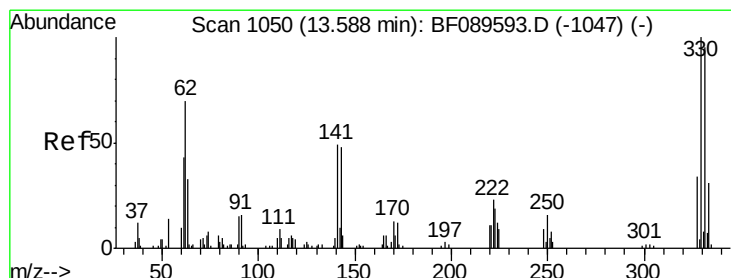
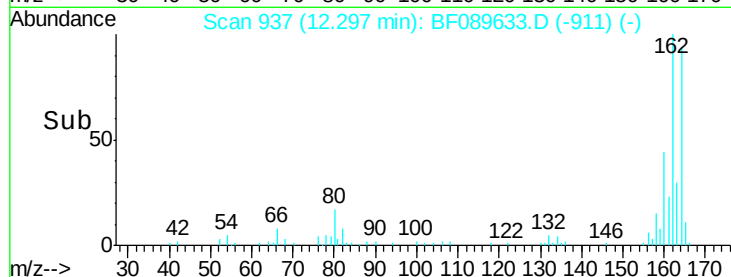
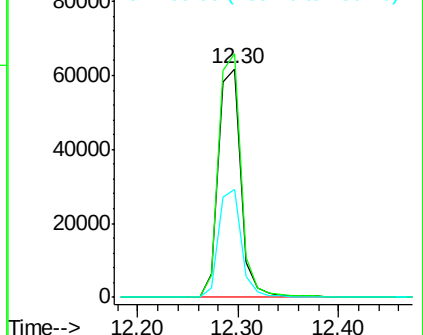
160 47.1 38.2 57.4



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: 88.97 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

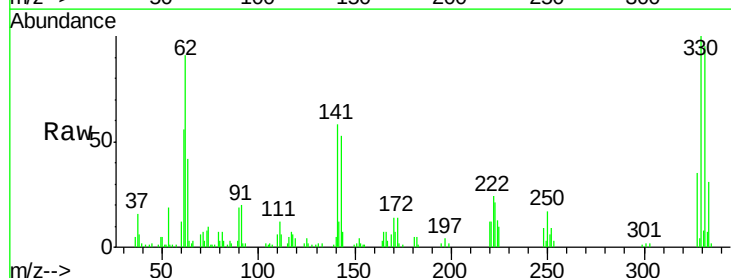
Tgt Ion:330 Resp: 70880

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

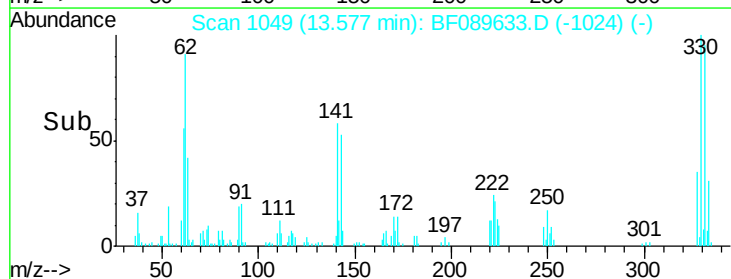
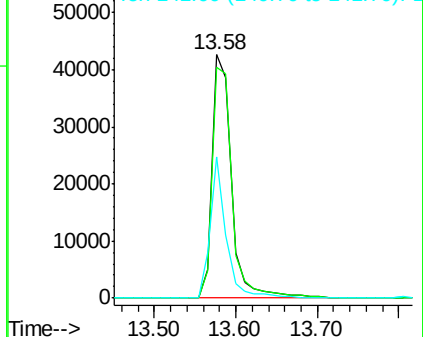
141 48.5 38.6 57.8

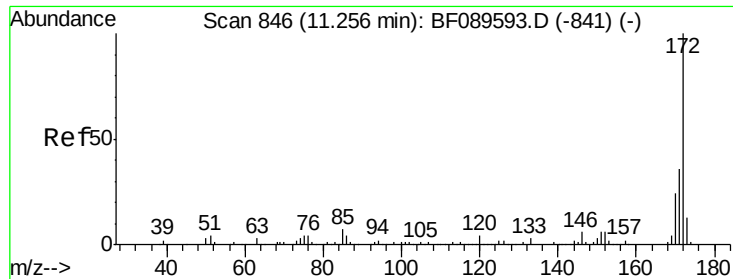


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

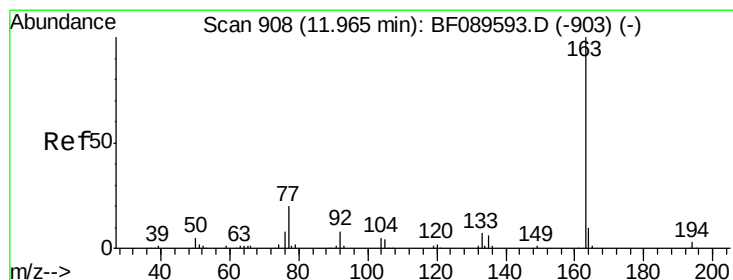
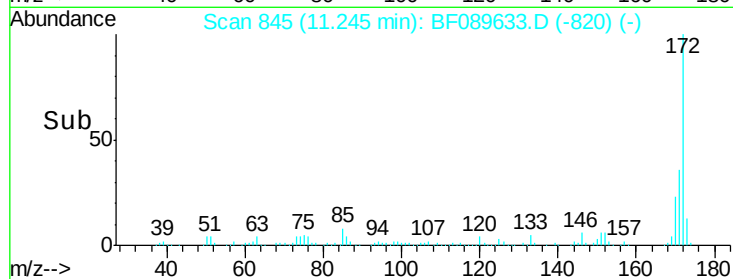
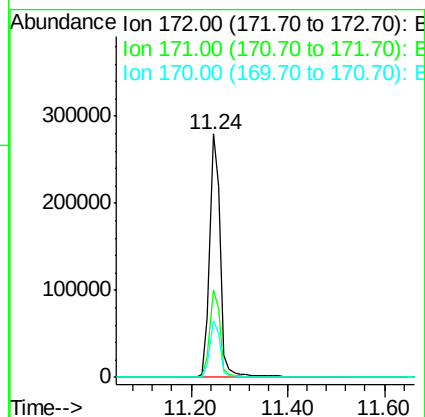
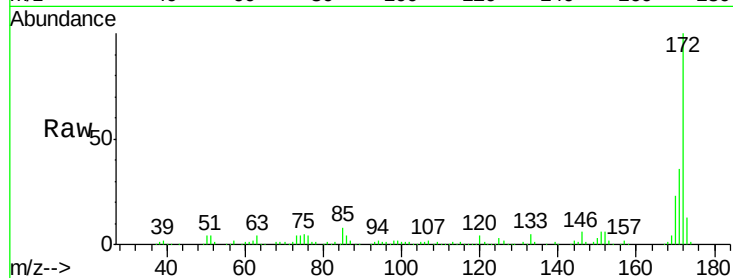




#44
 2-Fluorobiphenyl
 Concen: 58.66 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

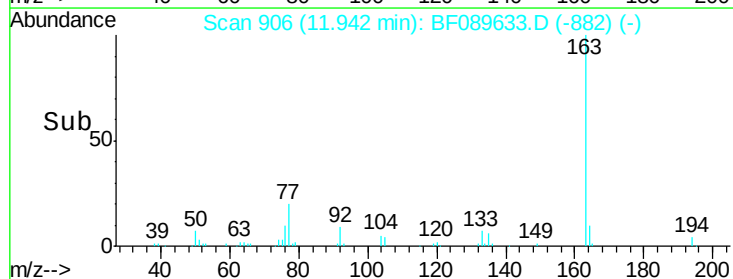
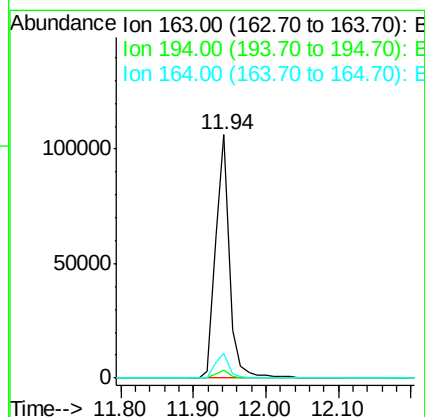
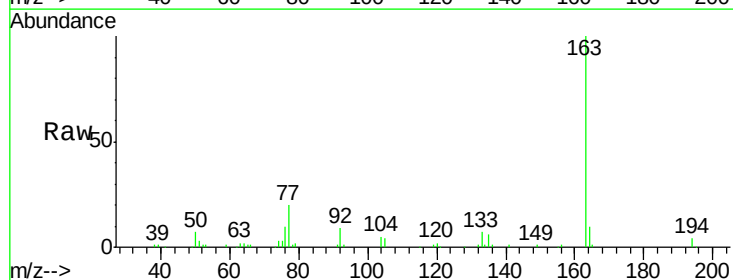
Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

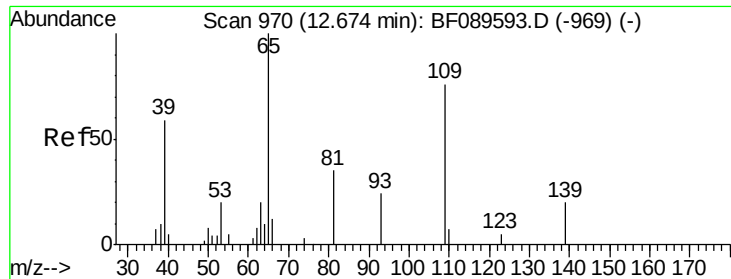
Tgt Ion:172 Resp: 435763
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 23.3 19.0 28.6



#49
 Dimethylphthalate
 Concen: 18.73 ng
 RT: 11.94 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion:163 Resp: 141690
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 10.1 7.8 11.6





#55

4-Nitrophenol

Concen: 9.73 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

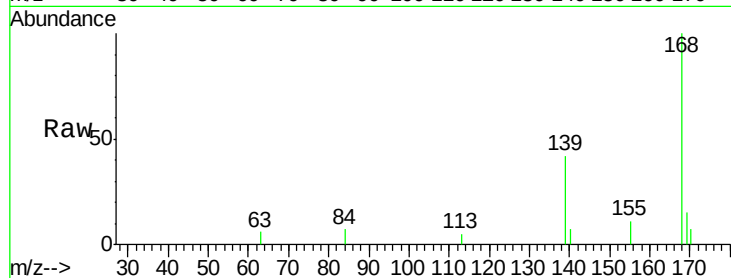
Tgt Ion:139 Resp: 4324

Ion Ratio Lower Upper

139 100

109 0.0 28.9 68.9#

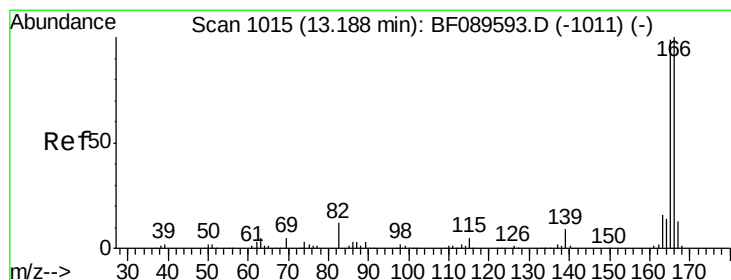
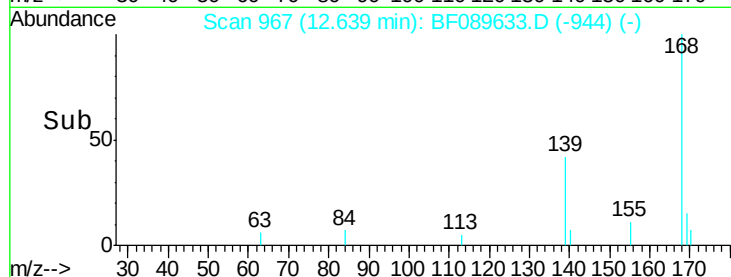
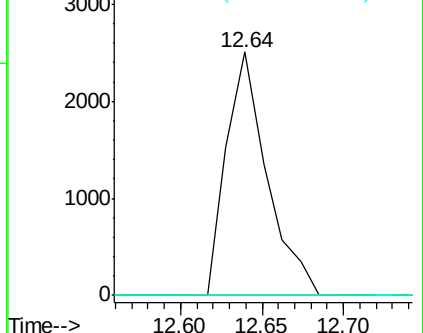
65 0.0 49.2 89.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 2.93 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

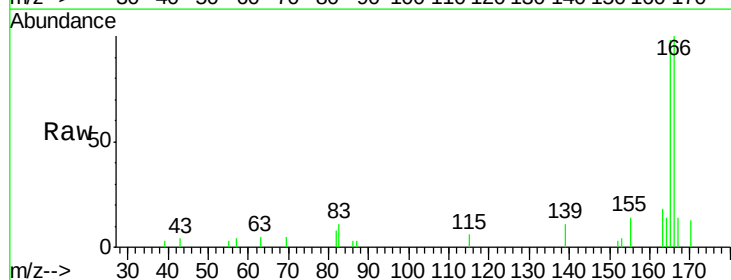
Tgt Ion:166 Resp: 21400

Ion Ratio Lower Upper

166 100

165 98.4 78.9 118.3

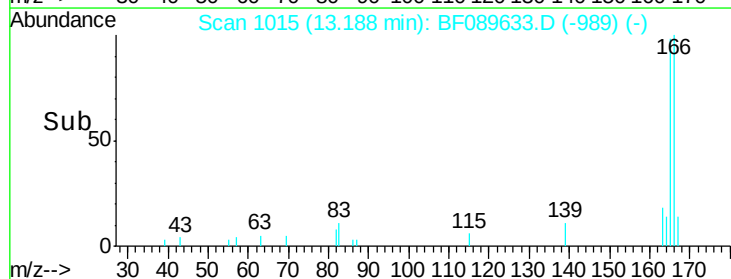
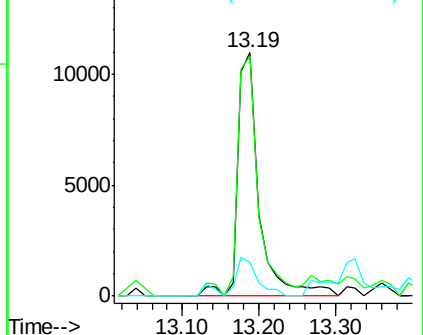
167 13.8 10.4 15.6

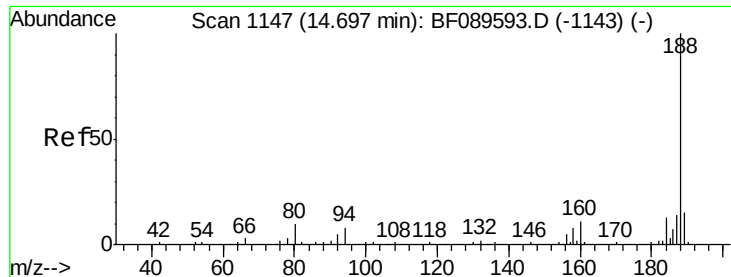


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

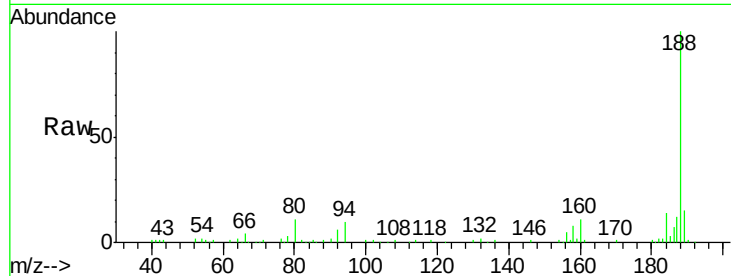




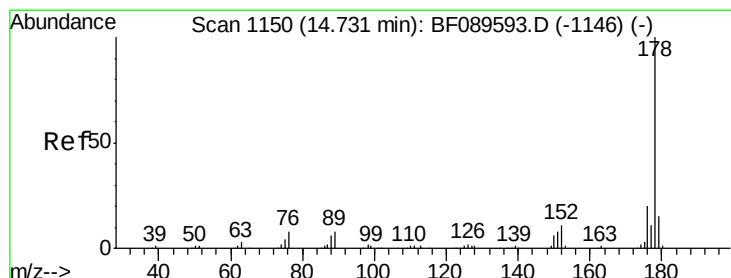
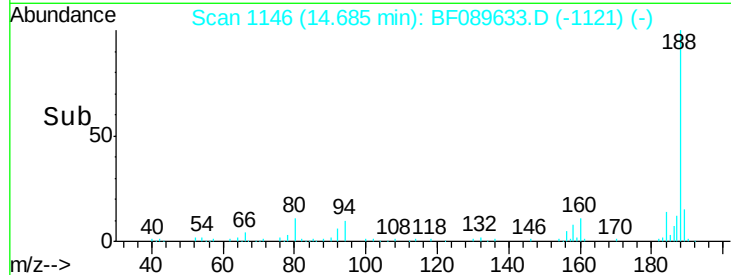
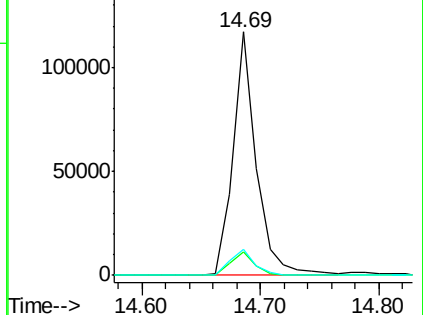
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion:188 Resp: 160003
Ion Ratio Lower Upper
188 100
94 9.7 6.5 9.7
80 10.8 8.0 12.0

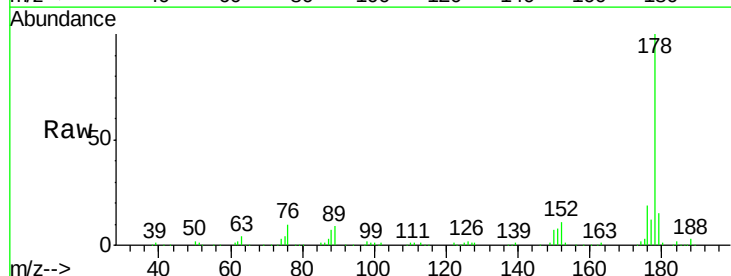


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

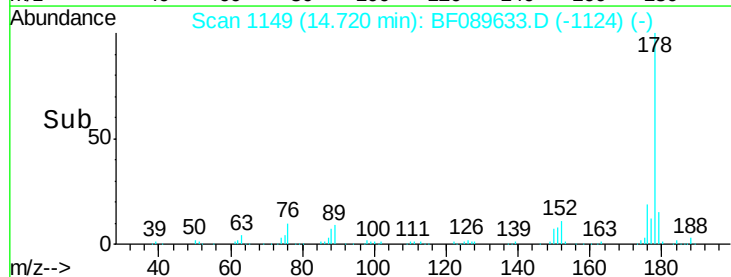
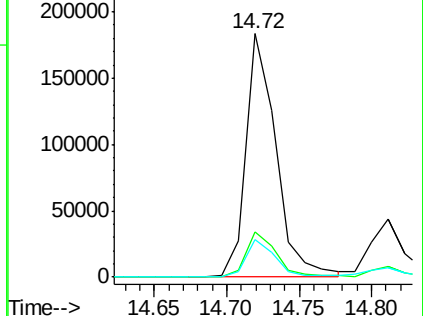


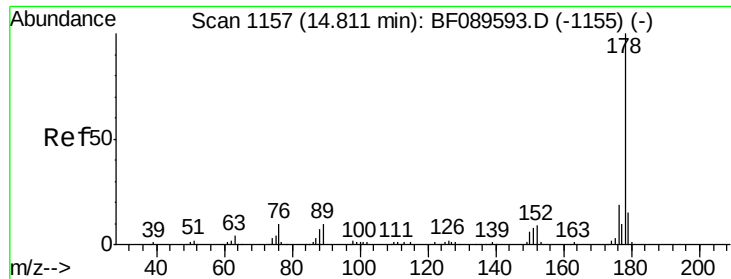
#70
Phenanthrene
Concen: 30.29 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion:178 Resp: 263518
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.3 12.2 18.2



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

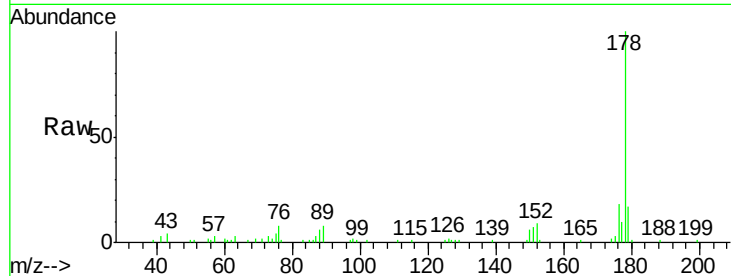




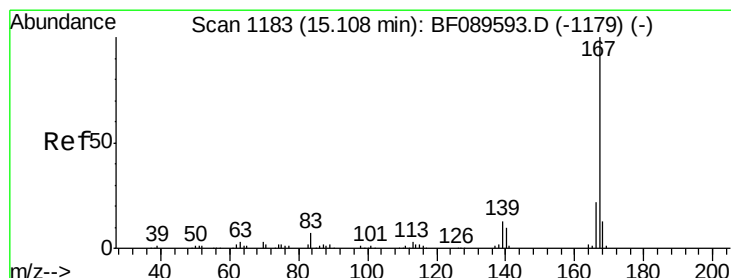
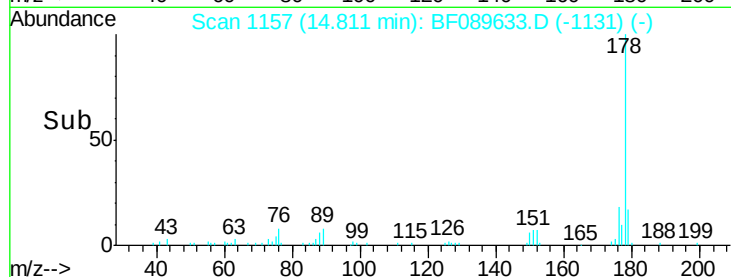
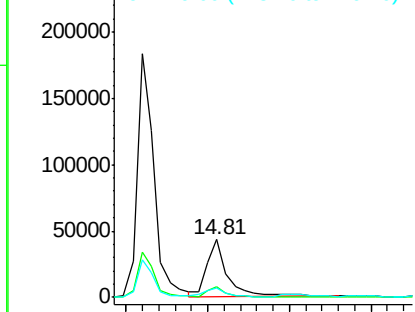
#71
 Anthracene
 Concen: 8.31 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion:178 Resp: 77538
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 17.0 12.4 18.6

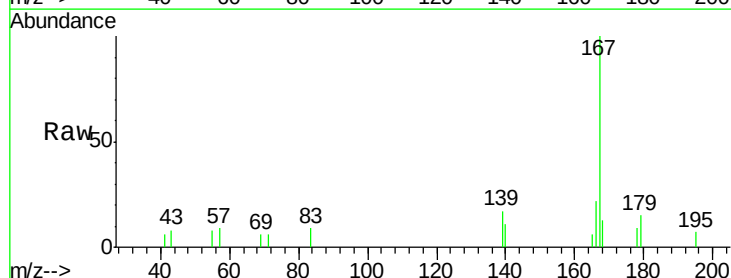


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

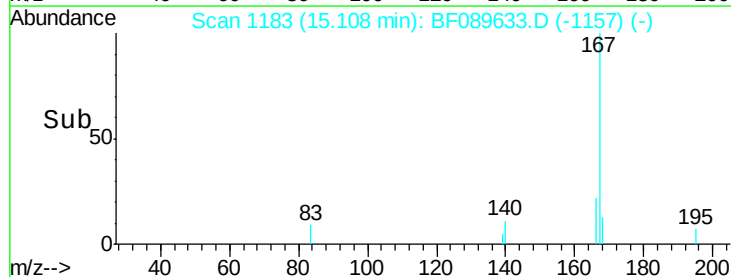
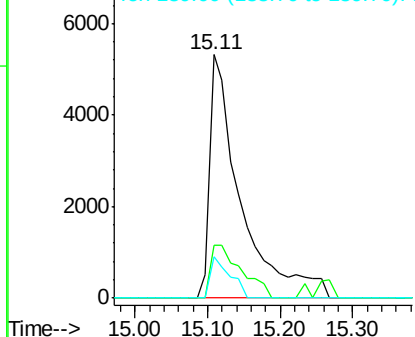


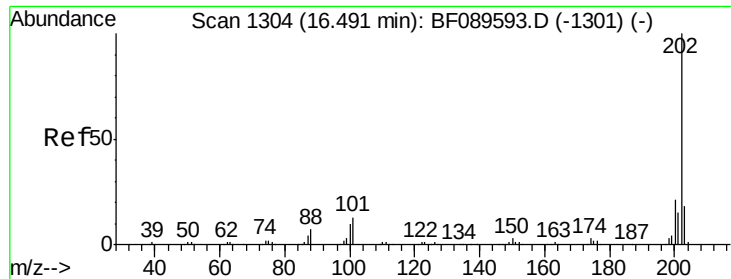
#72
 Carbazole
 Concen: 2.02 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion:167 Resp: 15689
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 16.8 10.4 15.6#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

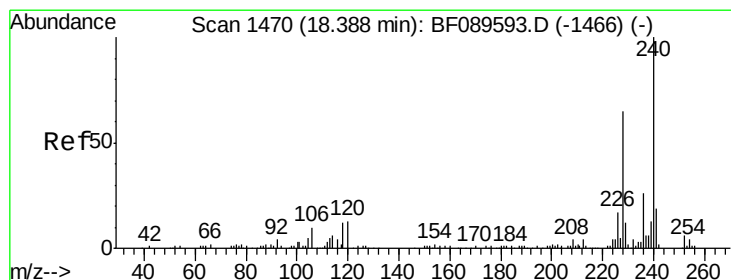
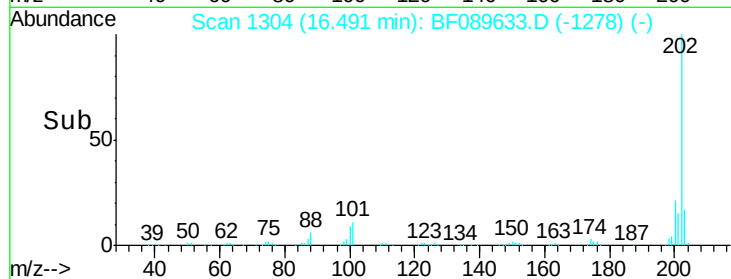
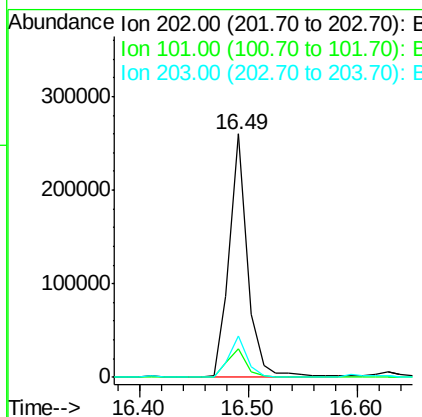
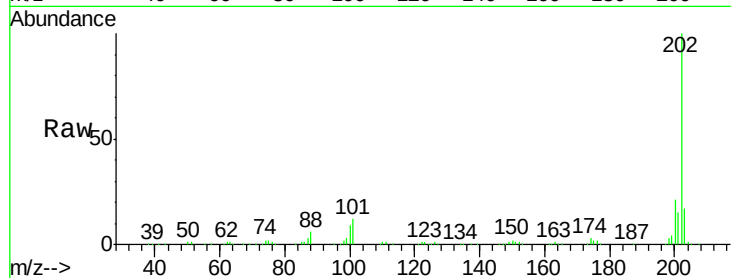




#74
 Fluoranthene
 Concen: 34.13 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

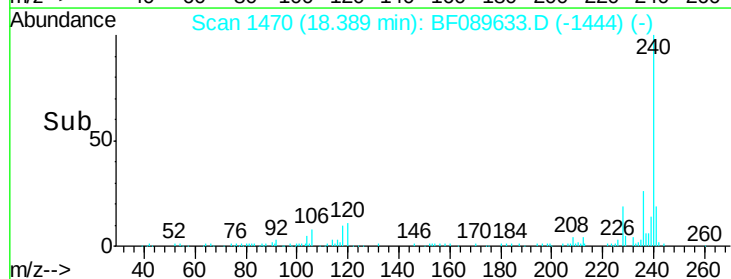
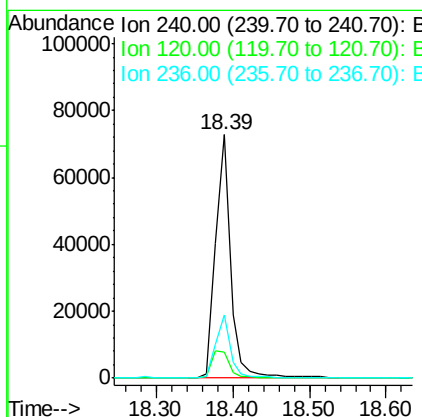
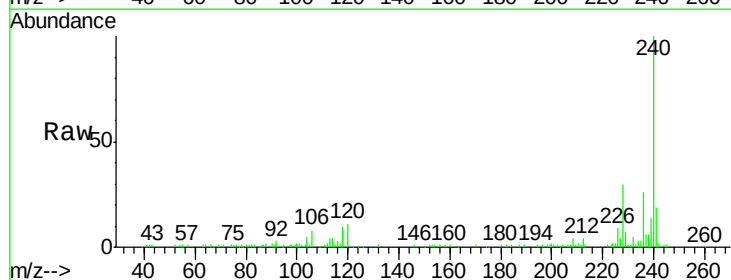
Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

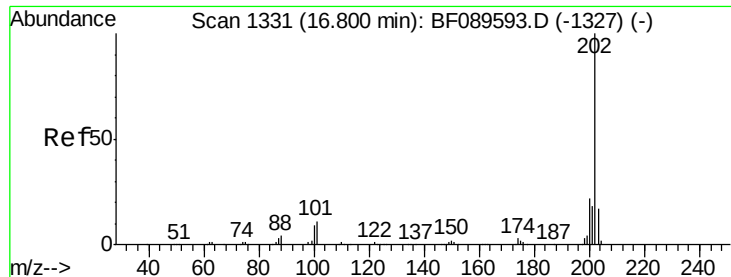
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.7
203	17.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.6	15.8
236	26.1	20.6	30.8

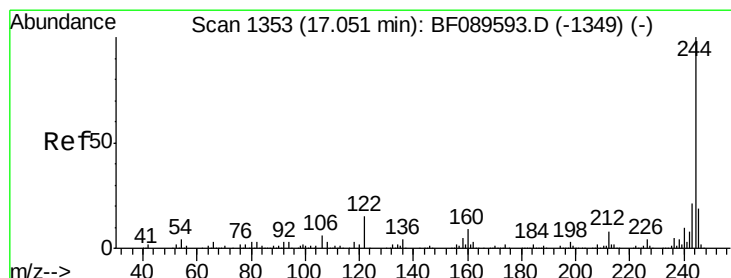
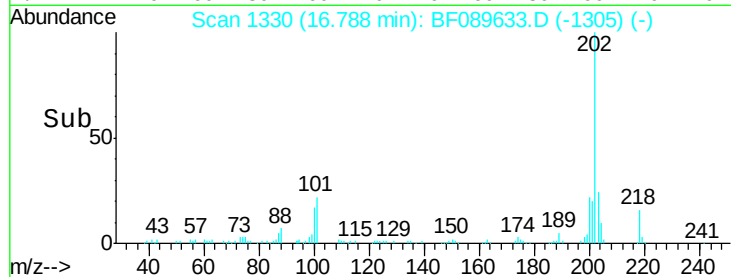
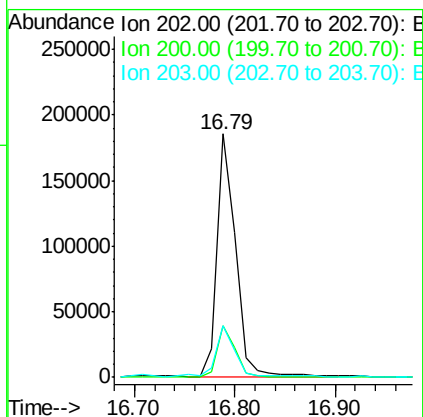
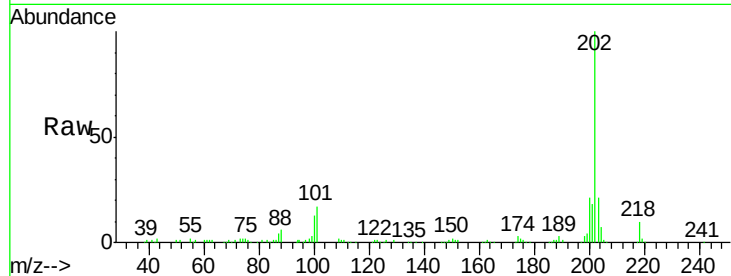




#77
 Pyrene
 Concen: 26.74 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

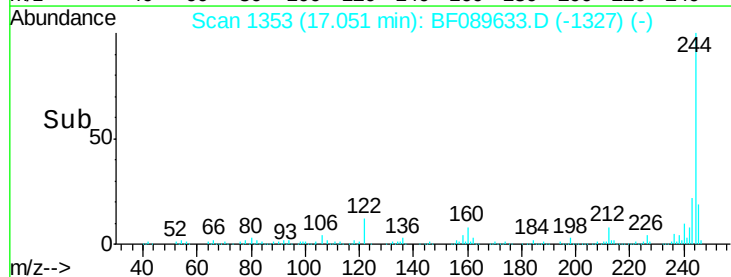
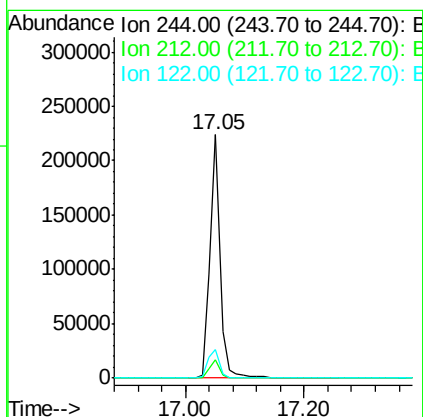
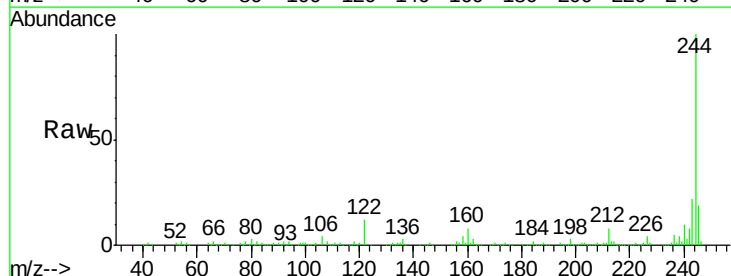
Instrument :
 BNA_F
 ClientSampleID :
 SS9-0-2IN

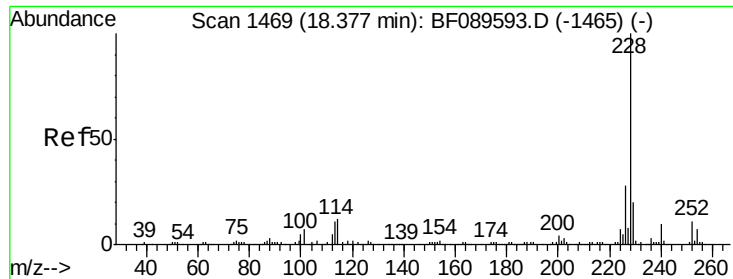
Tgt Ion: 202 Resp: 234783
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.4 26.0
 203 21.4 13.6 20.4#



#78
 Terphenyl-d14
 Concen: 53.08 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion: 244 Resp: 266973
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.4 9.6
 122 11.9 12.2 18.2#





#80

Benzo(a)anthracene

Concen: 21.30 ng

RT: 18.38 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

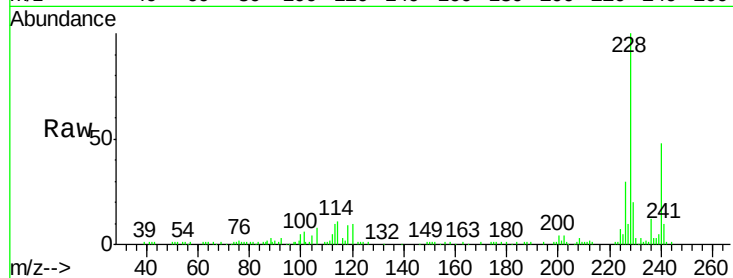
Tgt Ion:228 Resp: 121533

Ion Ratio Lower Upper

228 100

226 29.6 22.3 33.5

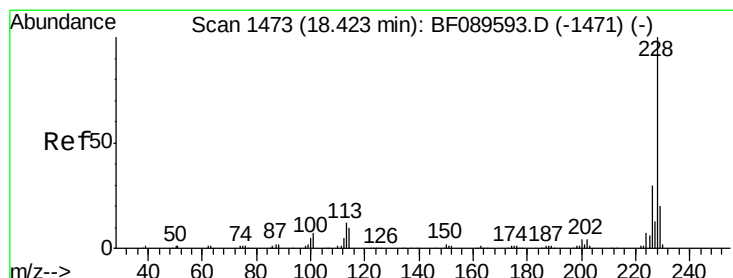
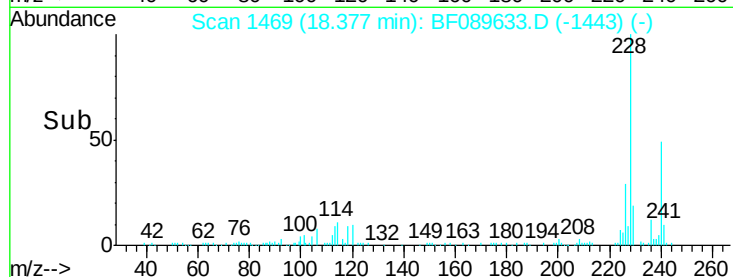
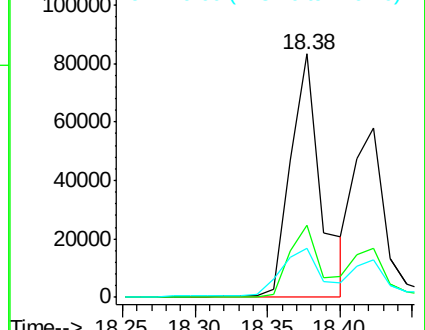
229 20.1 15.9 23.9



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: 14.37 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

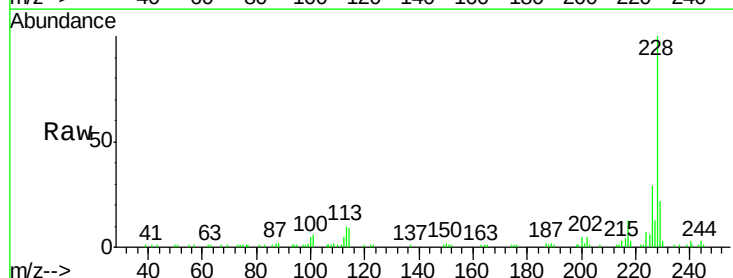
Tgt Ion:228 Resp: 85987

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

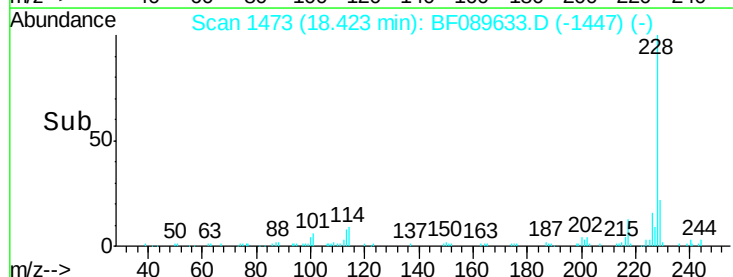
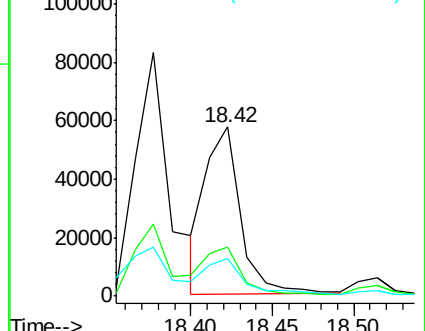
229 22.2 16.0 24.0

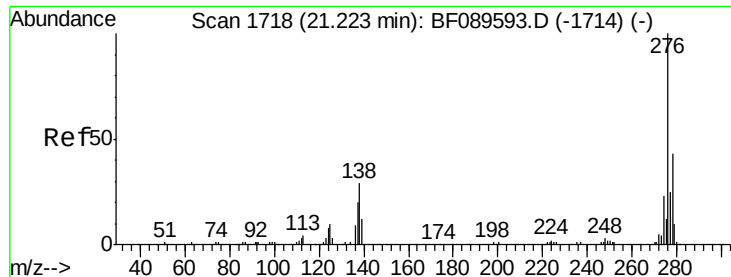


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

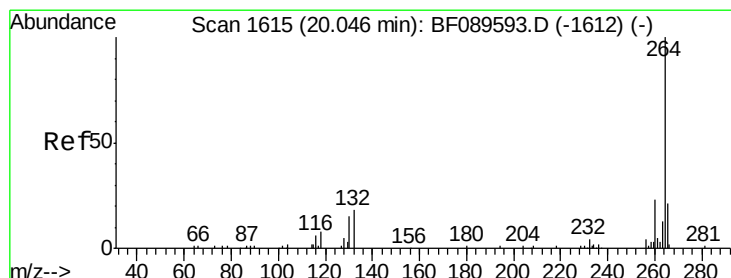
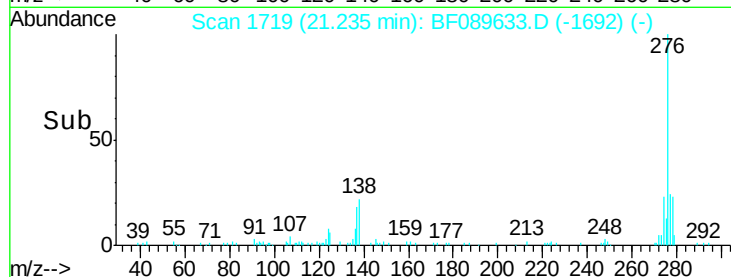
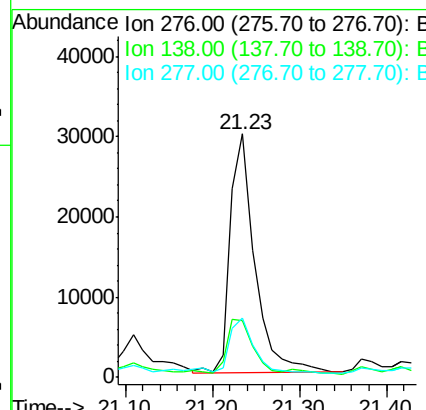
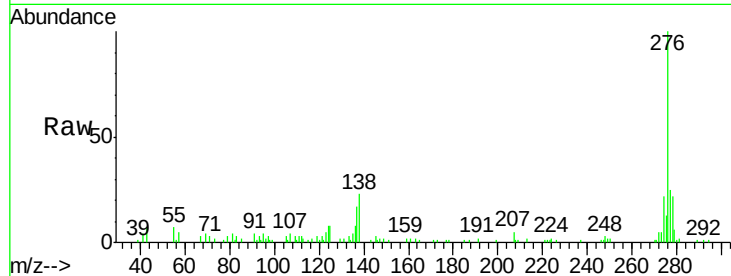




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.05 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

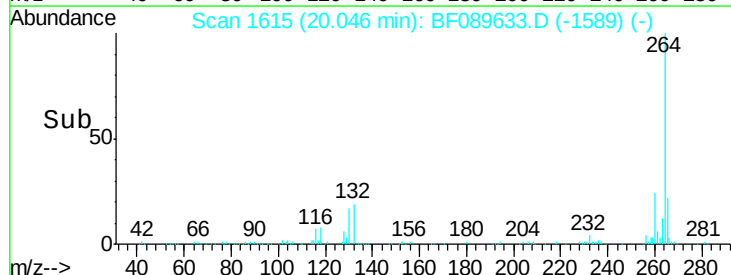
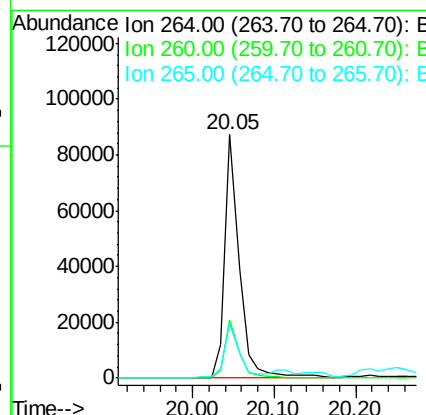
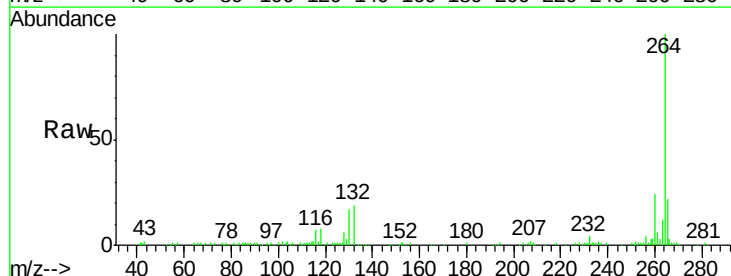
Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

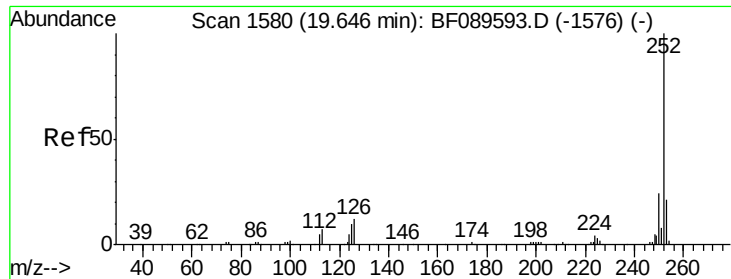
Tgt Ion: 276 Resp: 59297
 Ion Ratio Lower Upper
 276 100
 138 21.8 23.8 35.8#
 277 25.6 20.3 30.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion: 264 Resp: 108822
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.1 16.5 24.7

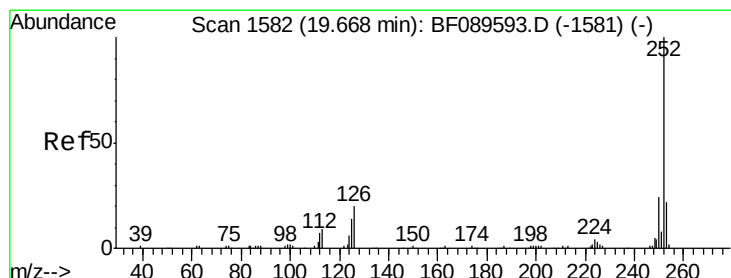
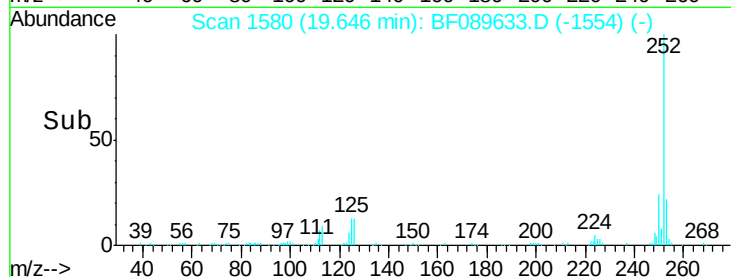
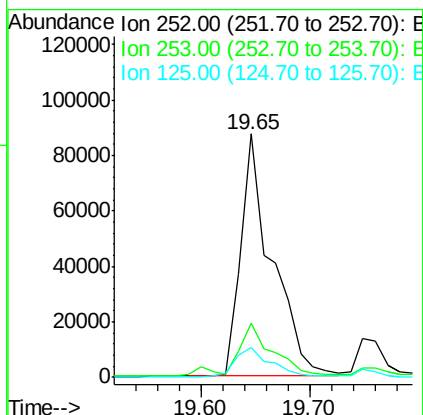
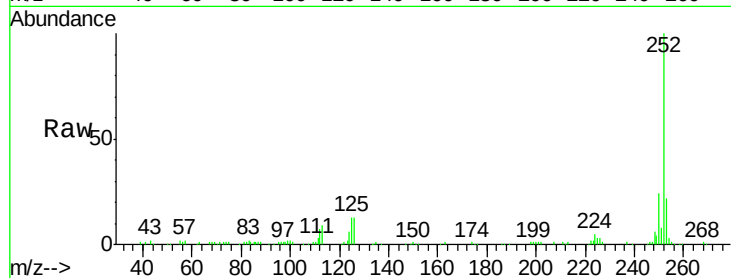




#87
Benzo(b)fluoranthene
Concen: 25.79 ng
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	12.5	7.8	11.8#



#88
Benzo(k)fluoranthene
Concen: 25.56 ng
RT: 19.65 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.5	11.0	16.6

