

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070716\
 Data File : BF088800.D
 Acq On : 8 Jul 2016 1:32
 Operator : UM/SJ
 Sample : H3889-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Quant Time: Jul 08 03:54:43 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	87080	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	302488	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	121054	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	191424	20.00	ng	0.00
75) Chrysene-d12	13.89	240	176329	20.00	ng	0.00
86) Perylene-d12	15.27	264	146098	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	82040	14.12	ng	0.00
7) Phenol-d6	6.38	99	103321	13.76	ng	-0.01
23) Nitrobenzene-d5	7.30	82	67133	11.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	15226	13.54	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	102025	13.31	ng	0.00
78) Terphenyl-d14	12.83	244	65979	8.33	ng	-0.01

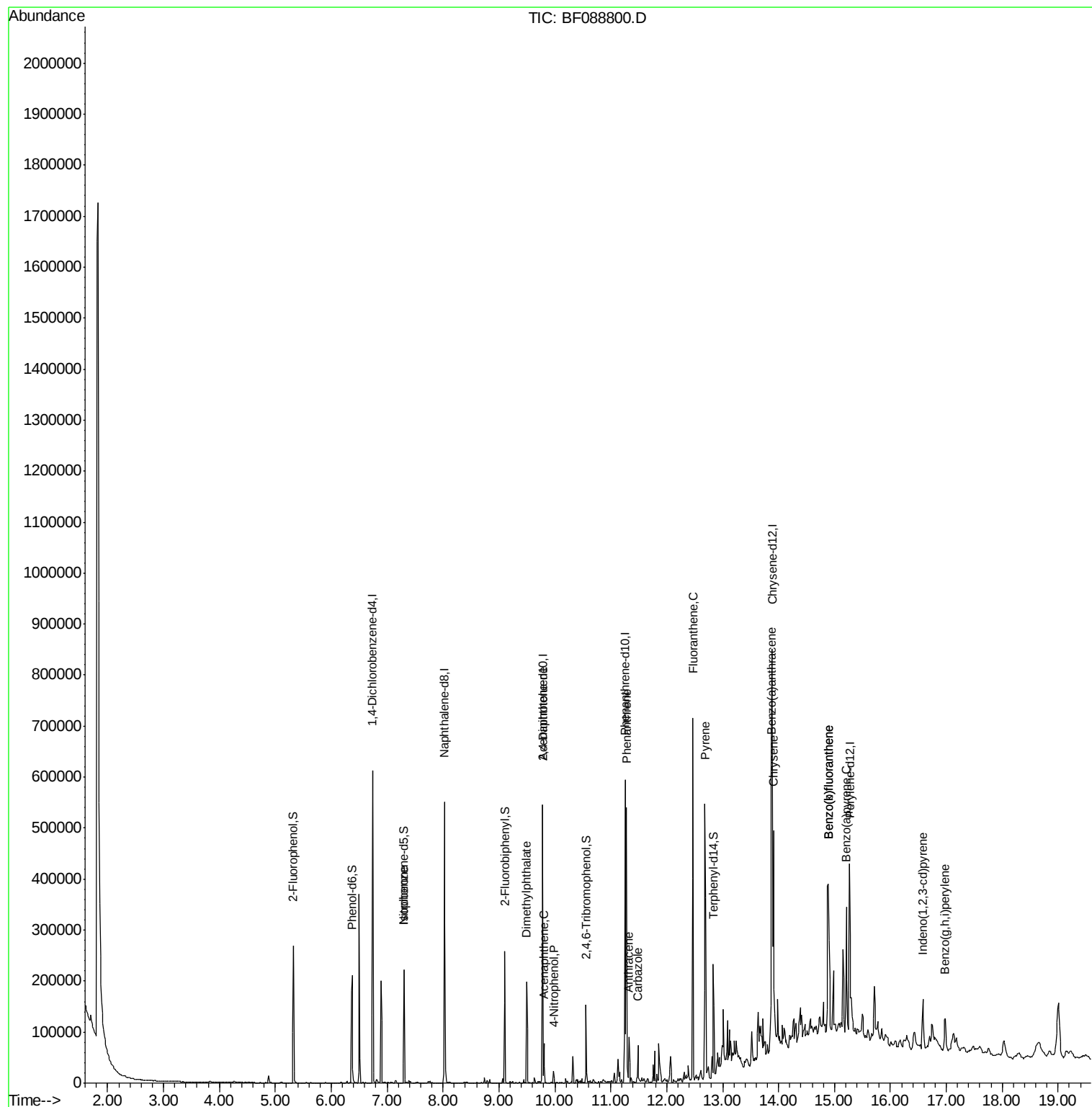
Target Compounds				Qvalue		
25) Isophorone	7.30	82	58119	5.44	ng	# 65
49) Dimethylphthalate	9.50	163	95145	11.03	ng	99
51) Acenaphthene	9.80	154	18874	2.46	ng	97
55) 4-Nitrophenol	9.98	139	3797	2.06	ng	# 5
56) 2,4-Dinitrotoluene	9.78	165	15573	6.23	ng	# 36
70) Phenanthrene	11.28	178	181039	17.30	ng	98
71) Anthracene	11.32	178	38127	3.66	ng	98
72) Carbazole	11.48	167	25683	2.62	ng	97
74) Fluoranthene	12.47	202	332936	31.39	ng	95
77) Pyrene	12.69	202	274941	18.39	ng	95
80) Benzo(a)anthracene	13.87	228	171993	15.15	ng	98
82) Chrysene	13.91	228	123482	10.99	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	57354	6.64	ng	# 100
87) Benzo(b)fluoranthene	14.89	252	226433	24.71	ng	# 97
88) Benzo(k)fluoranthene	14.89	252	226433	28.38	ng	98
89) Benzo(a)pyrene	15.21	252	101080	13.03	ng	99
91) Benzo(g,h,i)perylene	16.98	276	53328	7.95	ng	95

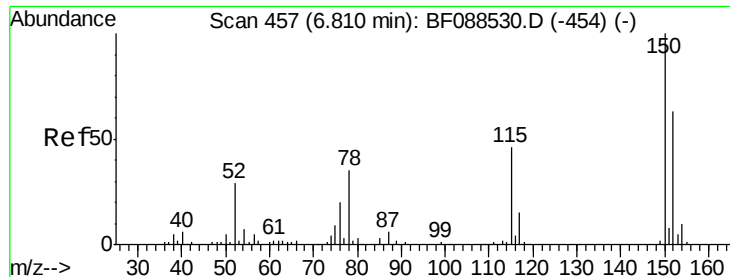
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

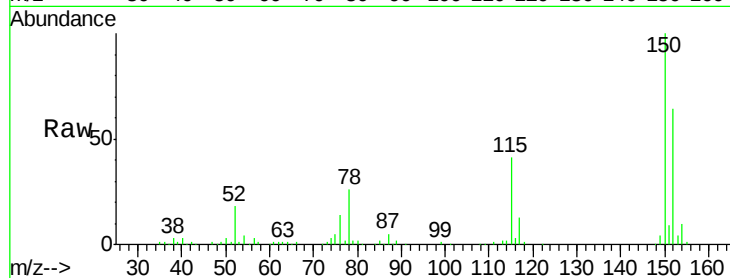
Tgt Ion:152 Resp: 87080

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

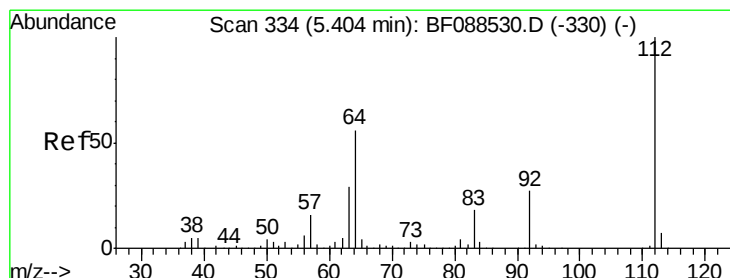
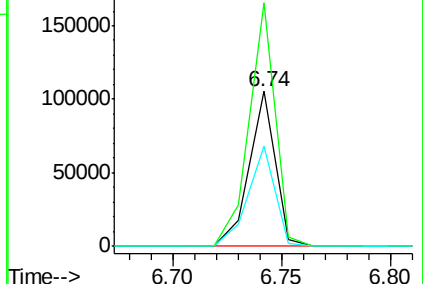
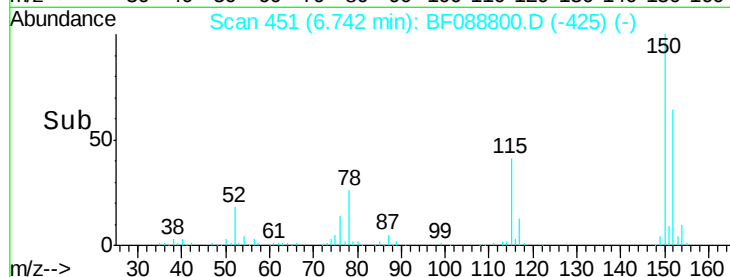
115 64.9 39.6 59.4#



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: 14.12 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

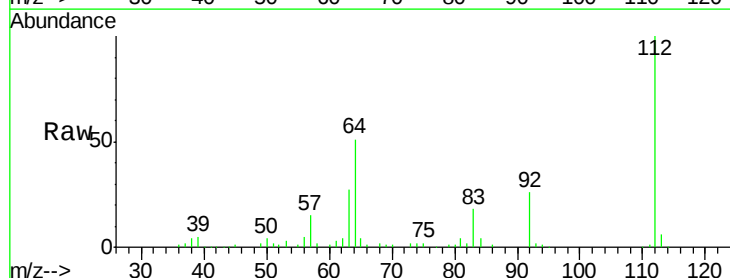
Tgt Ion:112 Resp: 82040

Ion Ratio Lower Upper

112 100

64 51.1 42.2 63.2

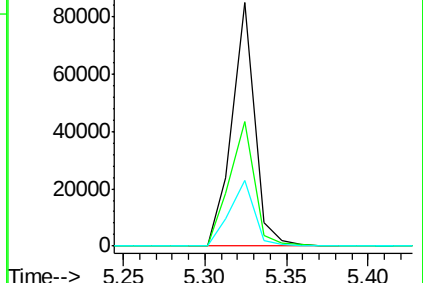
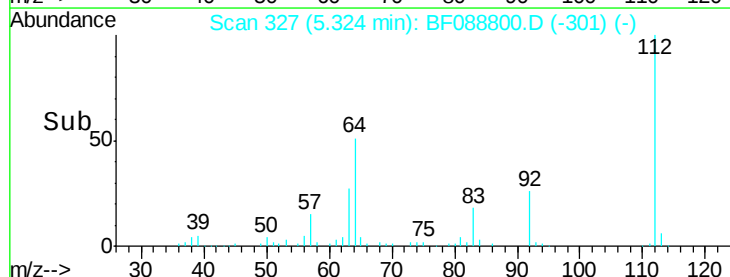
63 26.9 21.8 32.8



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: 13.76 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampled :

SS-4

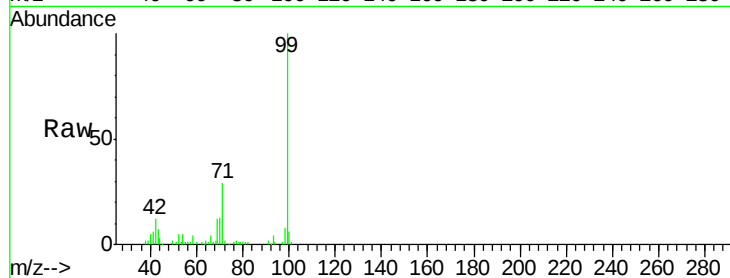
Tgt Ion: 99 Resp: 103321

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

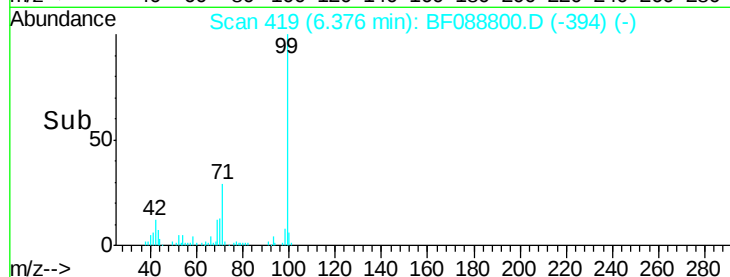
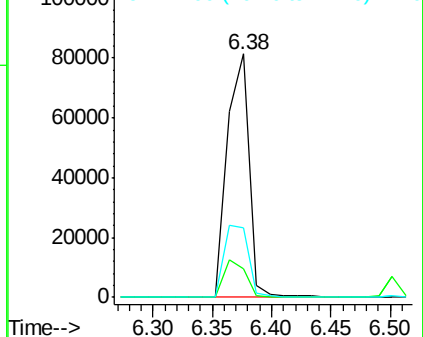
71 28.7 23.4 35.0



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: BF088800.D

Acq: 8 Jul 2016 1:32

Tgt Ion: 136 Resp: 302488

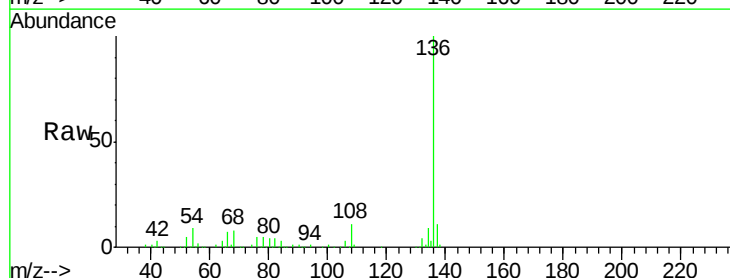
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.4 6.6 10.0

68 7.6 5.1 7.7

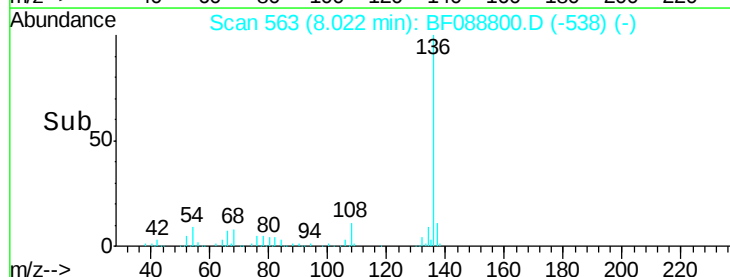
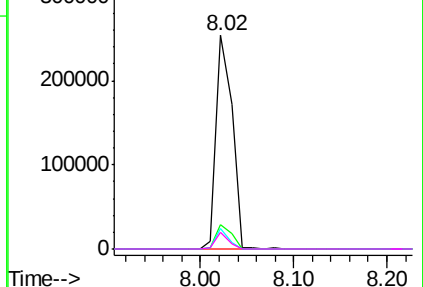


Abundance Ion 136.00 (135.70 to 136.70): E

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

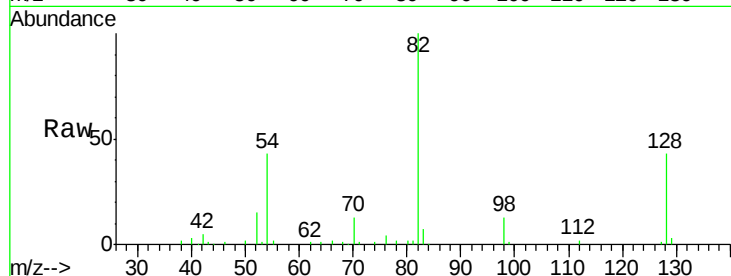




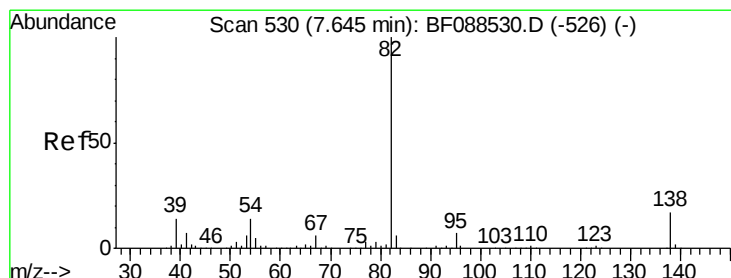
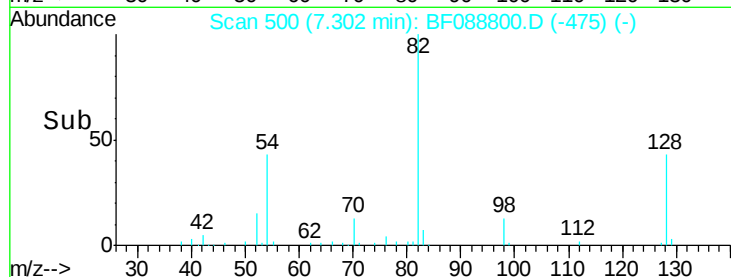
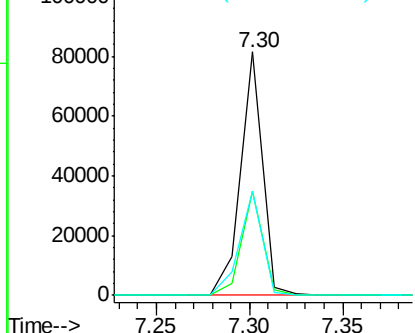
#23
 Nitrobenzene-d5
 Concen: 11.63 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampled :
 SS-4

Tgt Ion: 82 Resp: 67133
 Ion Ratio Lower Upper
 82 100
 128 42.7 35.9 53.9
 54 42.5 40.9 61.3

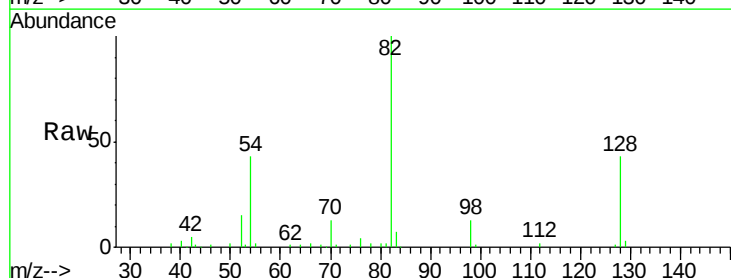


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

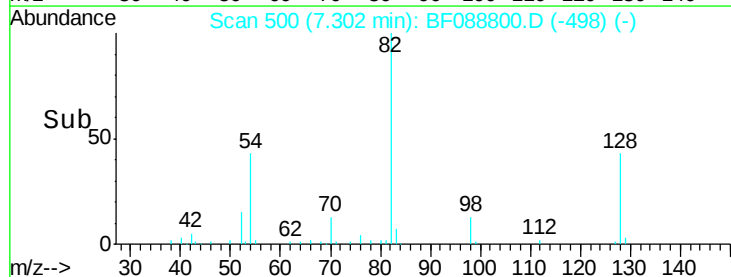
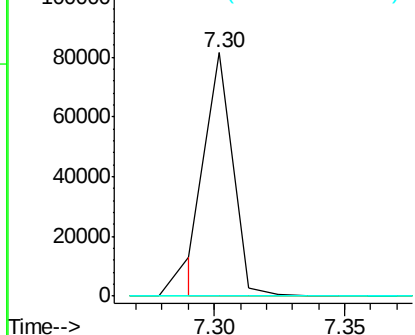


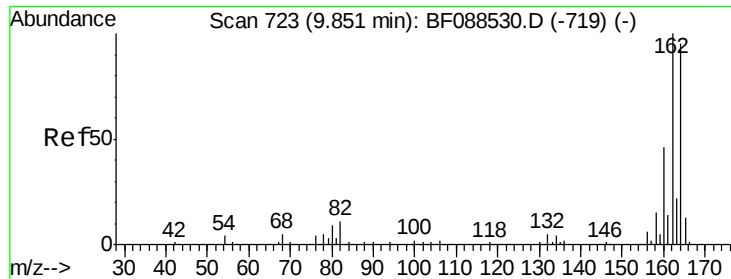
#25
 Isophorone
 Concen: 5.44 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.27 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion: 82 Resp: 58119
 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: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

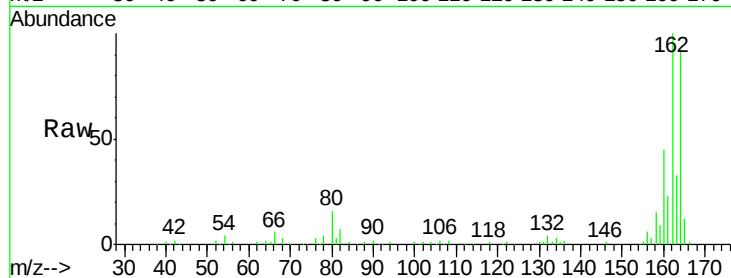
Tgt Ion:164 Resp: 121054

Ion Ratio Lower Upper

164 100

162 108.2 85.4 128.2

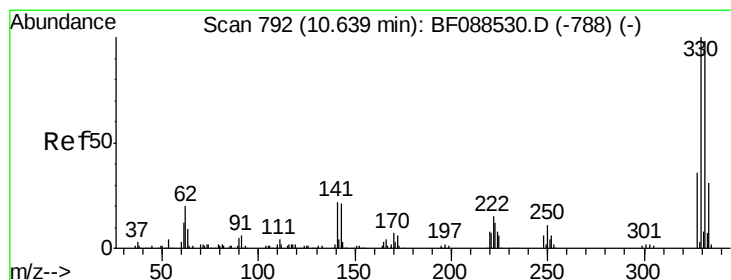
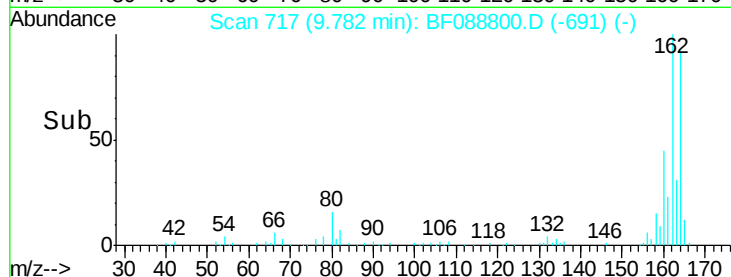
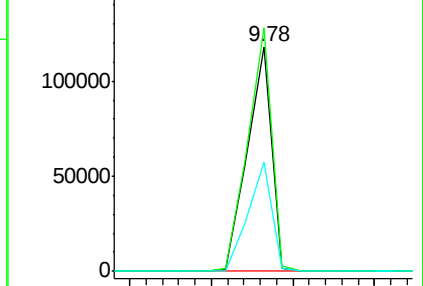
160 48.6 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 13.54 ng

RT: 10.56 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

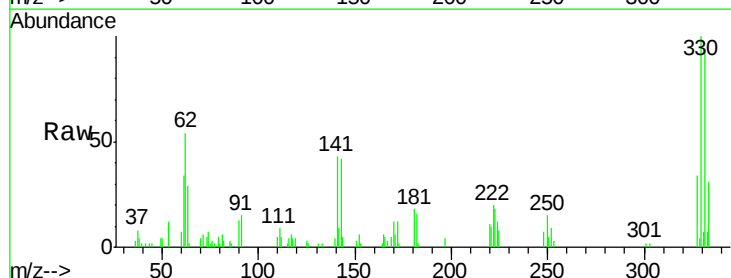
Tgt Ion:330 Resp: 15226

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

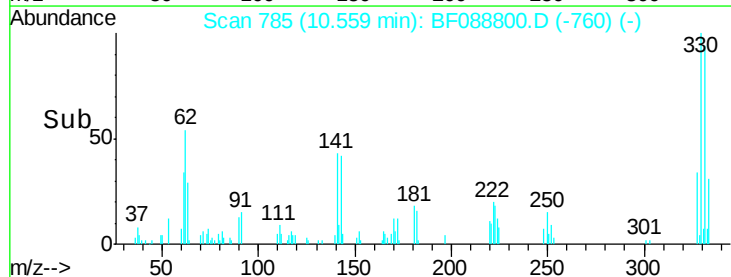
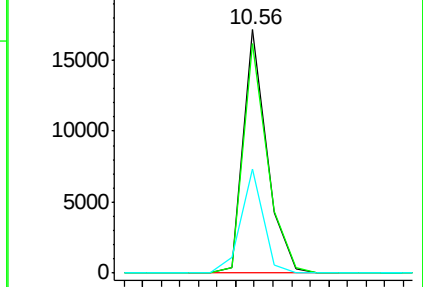
141 40.7 0.0 0.0#



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

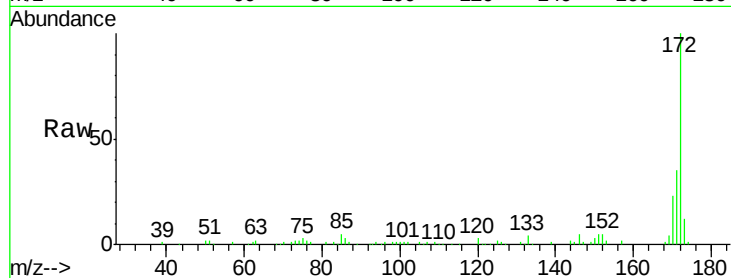




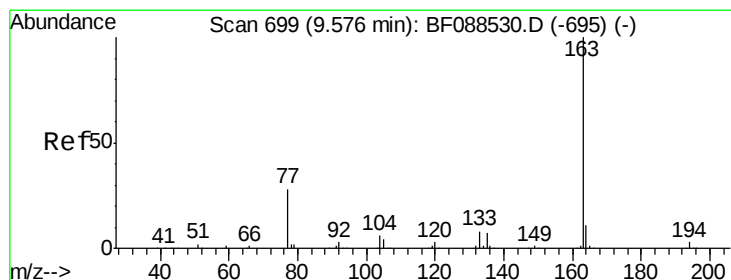
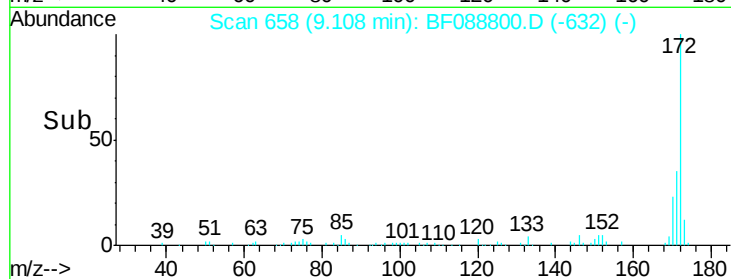
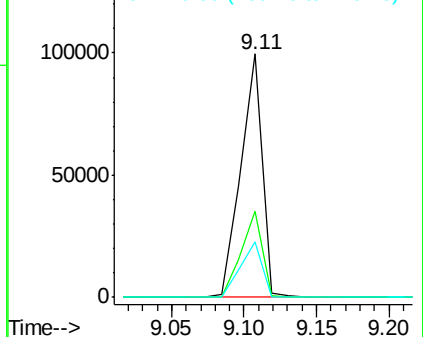
#44
 2-Fluorobiphenyl
 Concen: 13.31 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tgt Ion:172 Resp: 102025
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 22.7 19.2 28.8

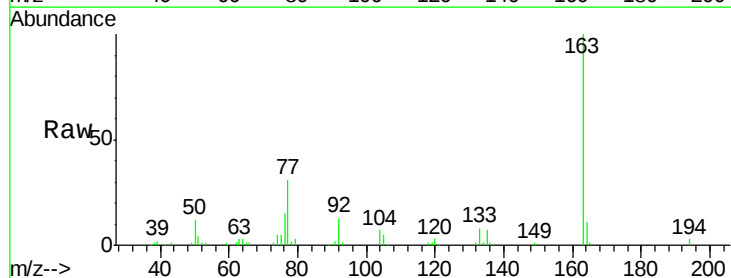


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

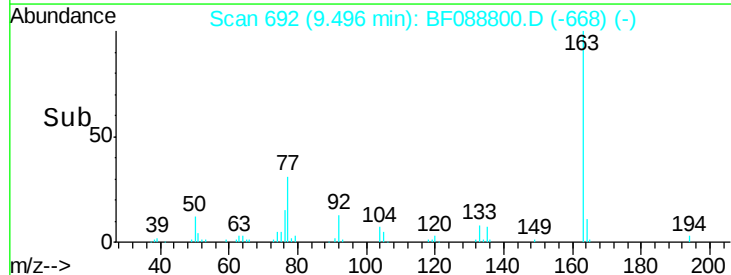
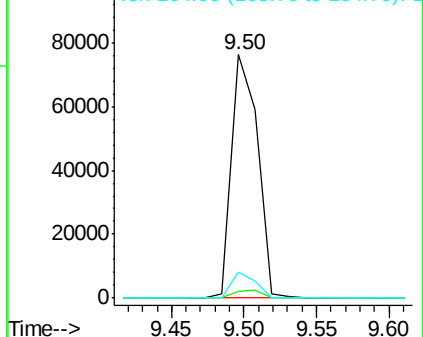


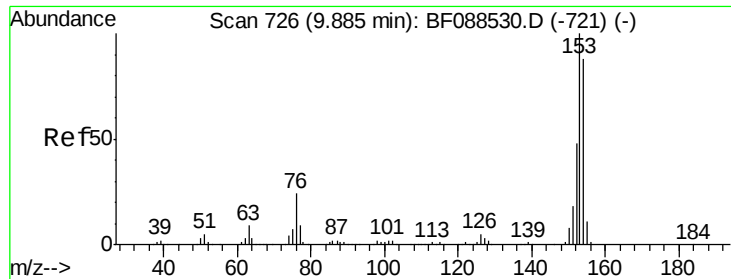
#49
 Dimethylphthalate
 Concen: 11.03 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.02 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion:163 Resp: 95145
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.6 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





#51

Acenaphthene

Concen: 2.46 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

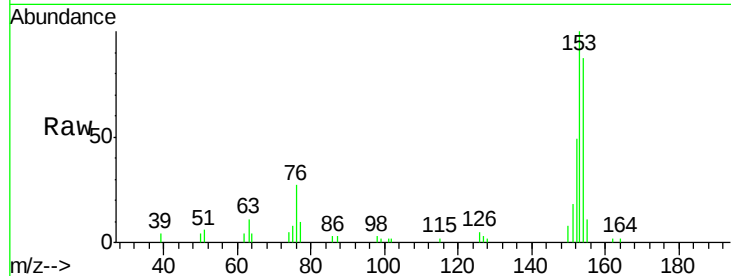
Tgt Ion:154 Resp: 18874

Ion Ratio Lower Upper

154 100

153 114.4 89.5 134.3

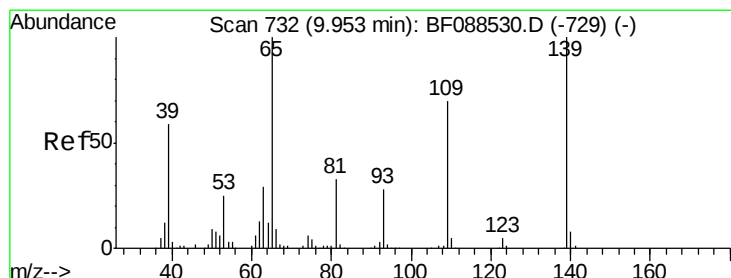
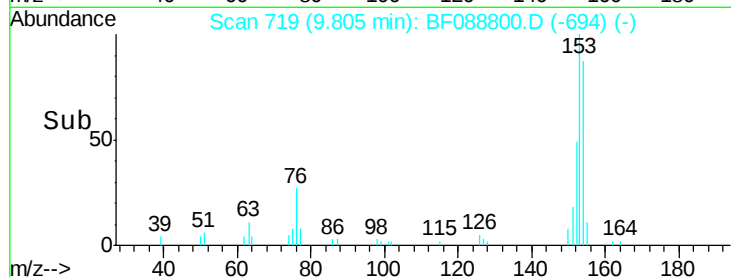
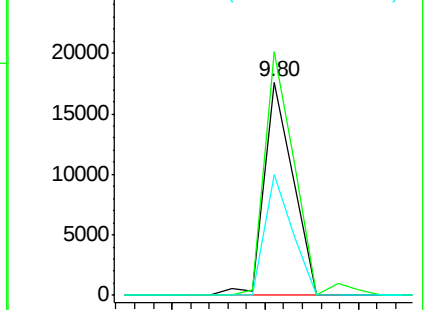
152 56.6 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 2.06 ng

RT: 9.98 min Scan# 734

Delta R.T. 0.08 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

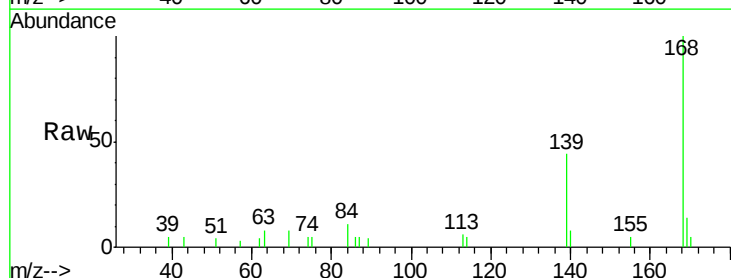
Tgt Ion:139 Resp: 3797

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

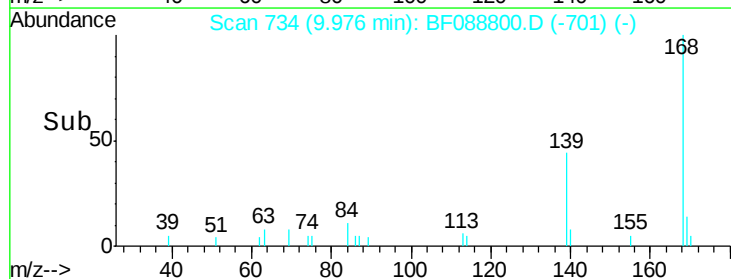
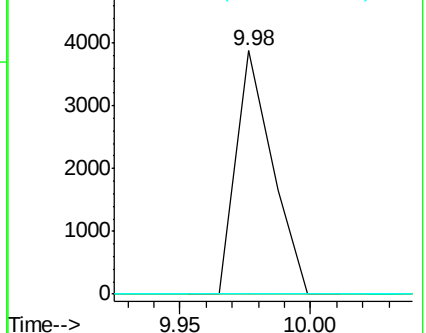
65 0.0 84.9 124.9#

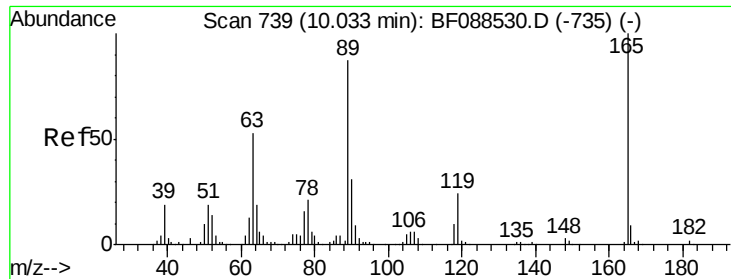


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

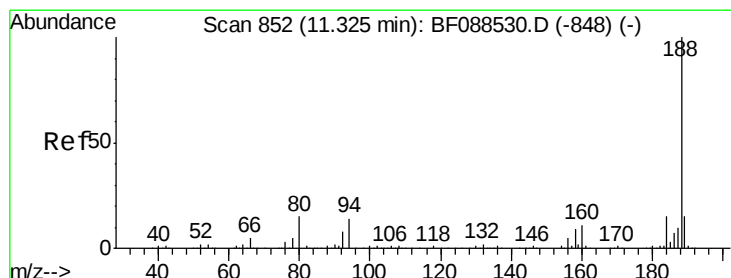
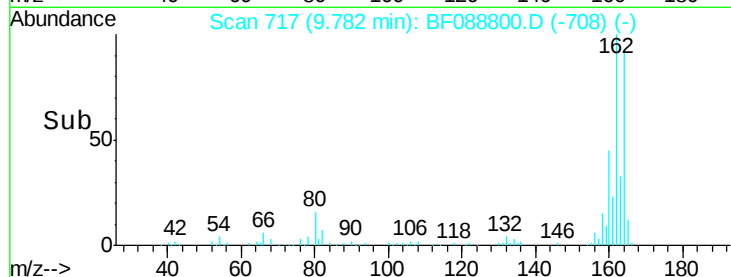
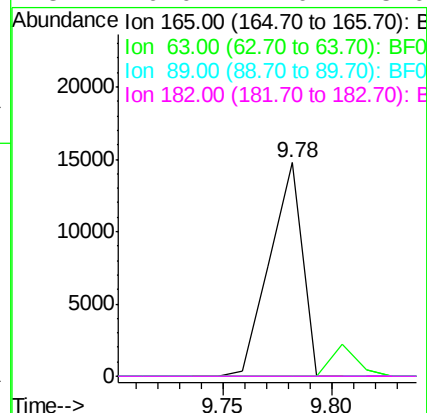
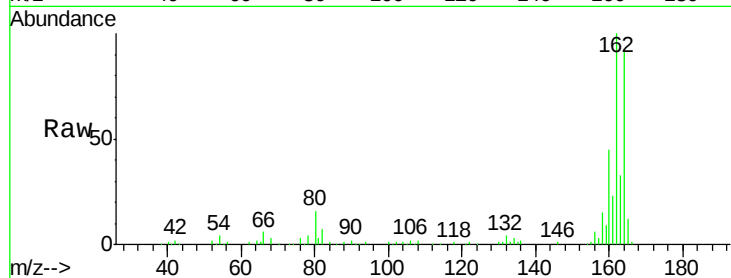




#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.19 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

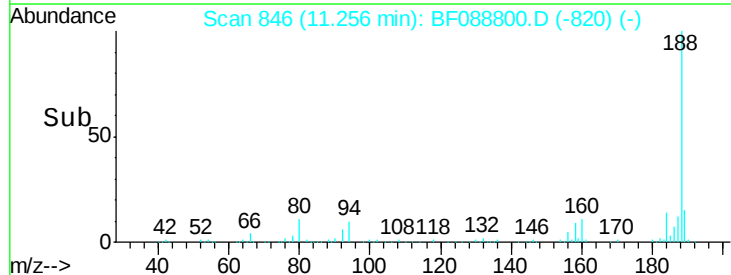
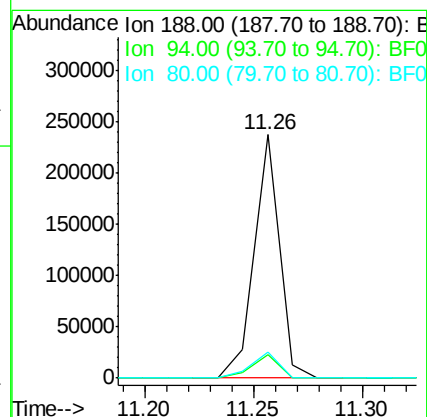
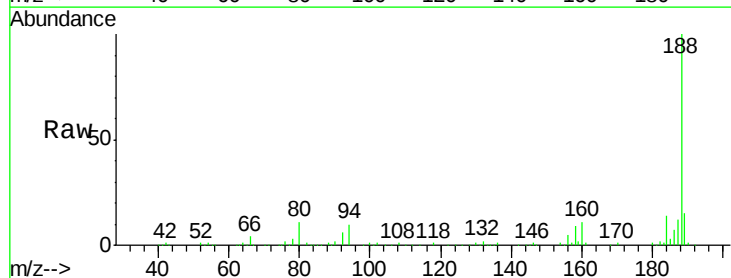
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

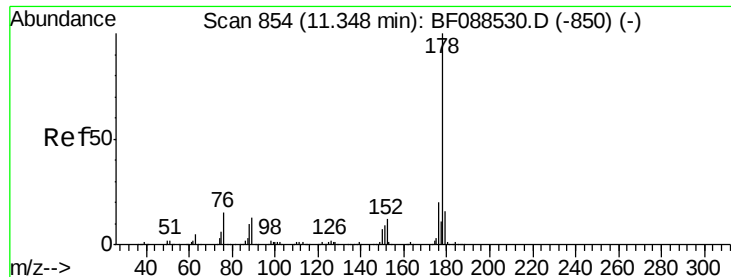
Tgt Ion:165 Resp: 15573
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 41.1 61.7#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion:188 Resp: 191424
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.0 13.6
 80 10.9 10.0 15.0

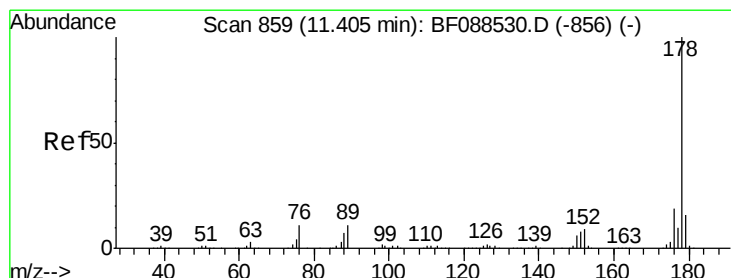
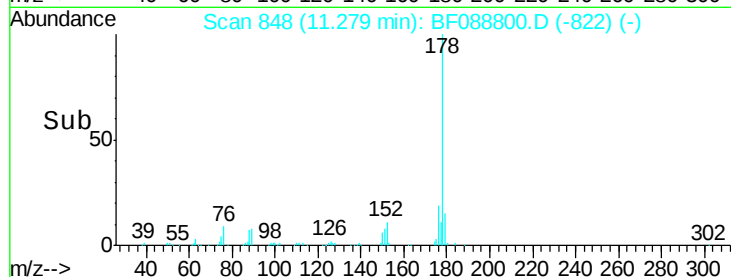
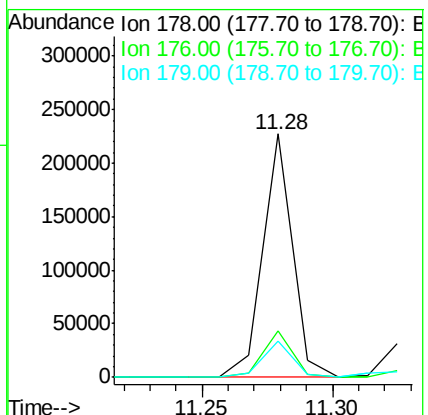
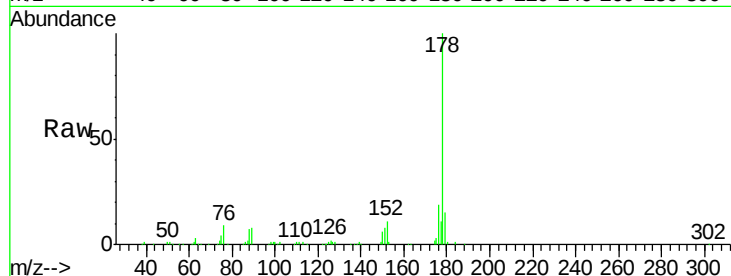




#70
Phenanthrene
Concen: 17.30 ng
RT: 11.28 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

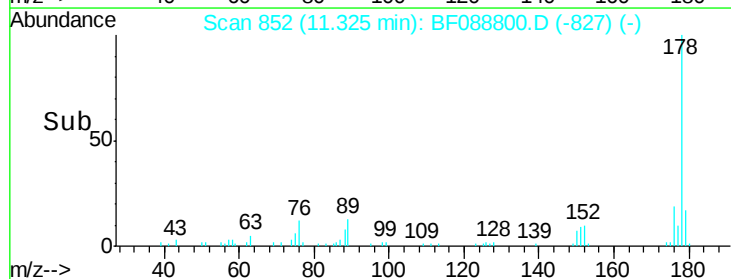
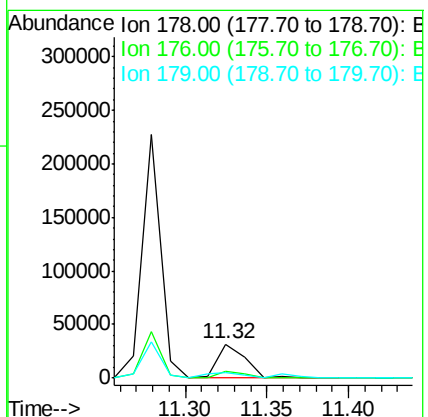
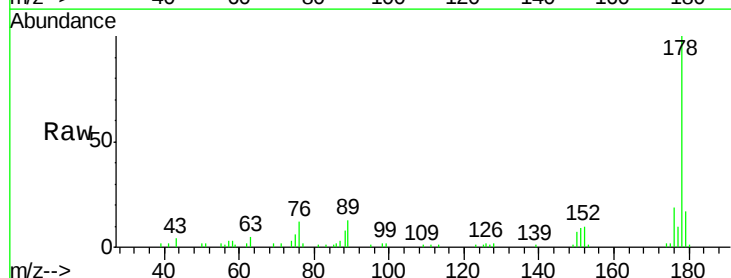
Instrument :
BNA_F
ClientSampleId :
SS-4

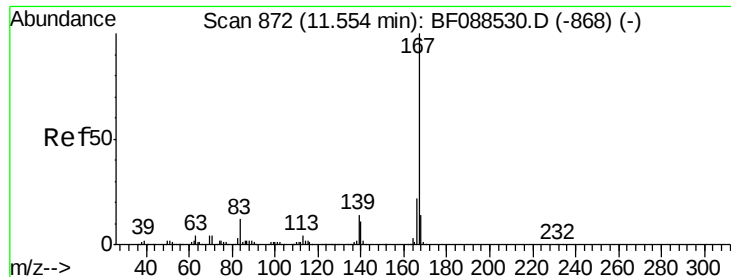
Tgt Ion:178 Resp: 181039
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.1 13.0 19.4



#71
Anthracene
Concen: 3.66 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion:178 Resp: 38127
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 17.0 12.8 19.2

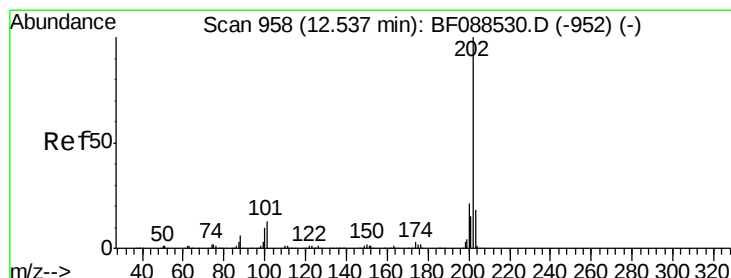
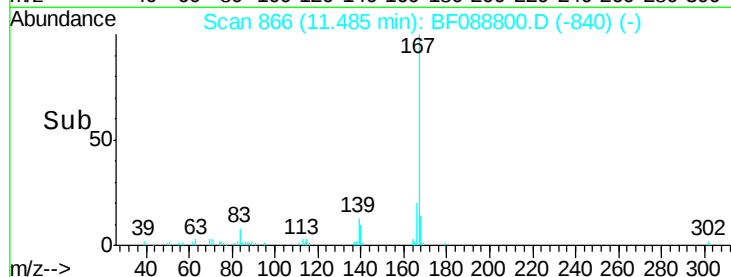
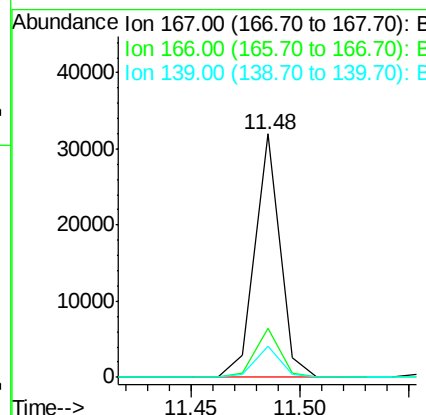
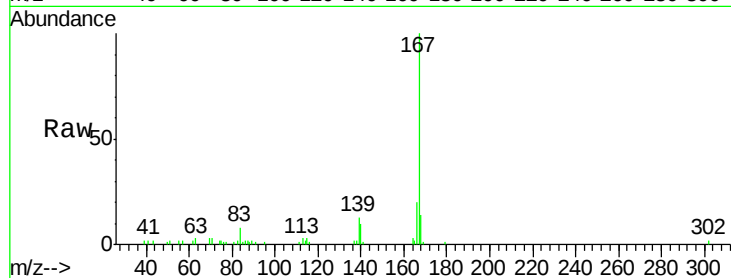




#72
 Carbazole
 Concen: 2.62 ng
 RT: 11.48 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

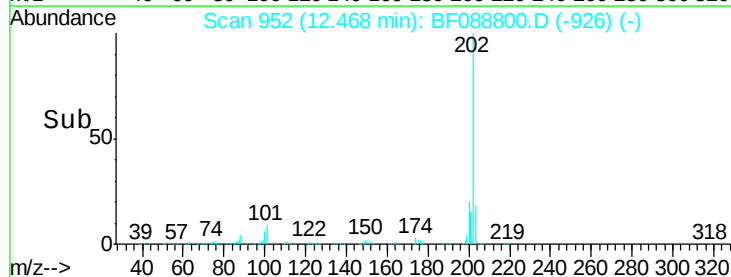
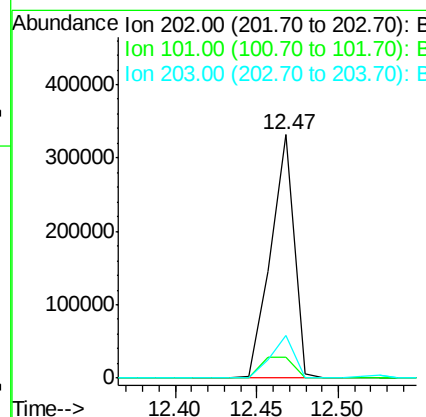
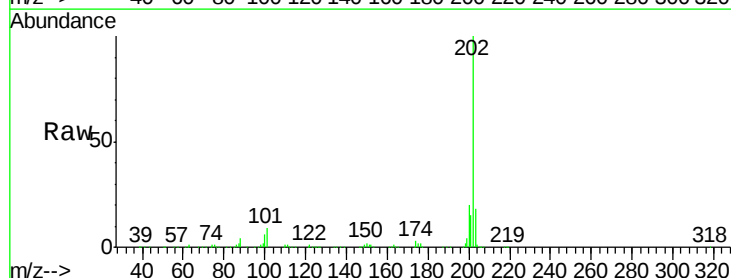
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

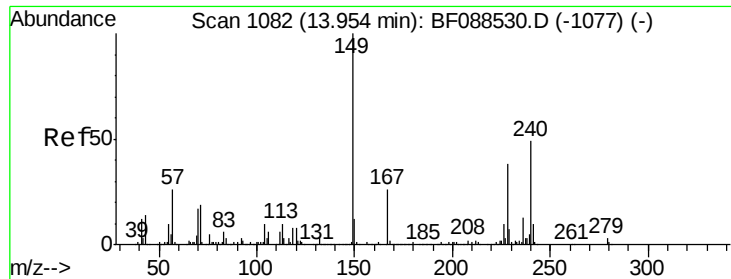
Tgt Ion:167 Resp: 25683
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.8 26.6
 139 12.9 11.2 16.8



#74
 Fluoranthene
 Concen: 31.39 ng
 RT: 12.47 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion:202 Resp: 332936
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 33.1
 203 17.6 0.0 38.1

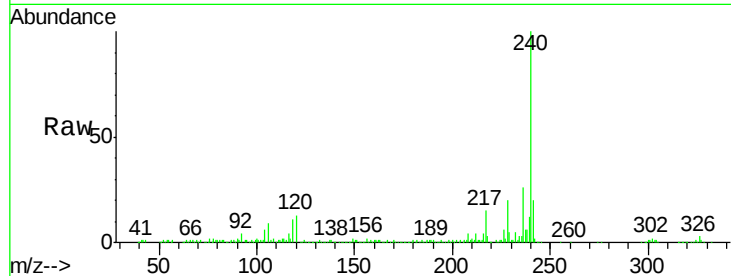




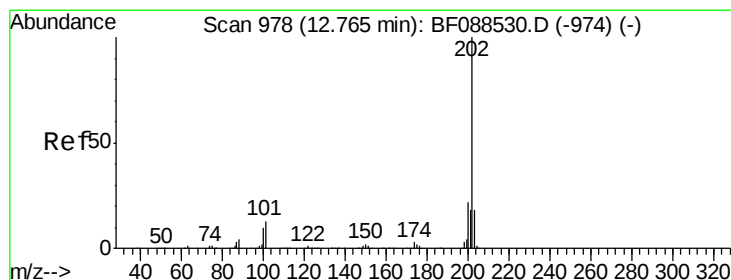
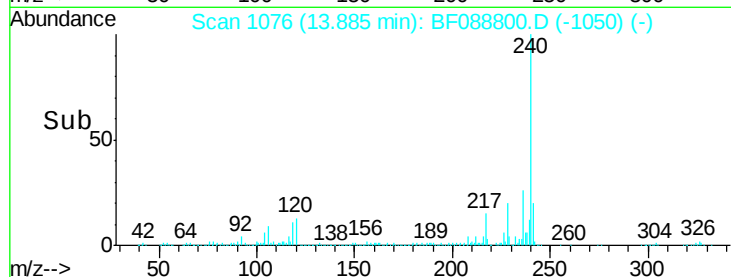
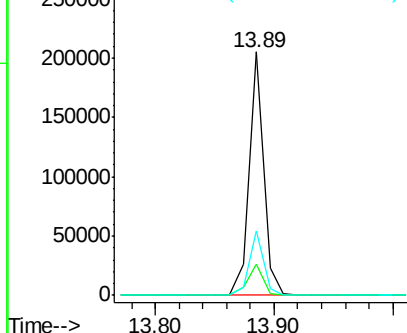
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampled :
SS-4

Tgt Ion:240 Resp: 176329
Ion Ratio Lower Upper
240 100
120 12.8 6.8 10.2#
236 26.3 20.2 30.2

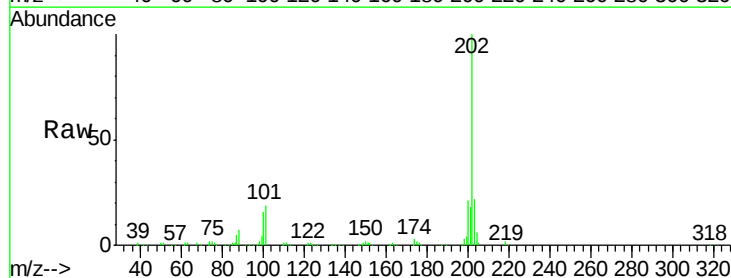


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

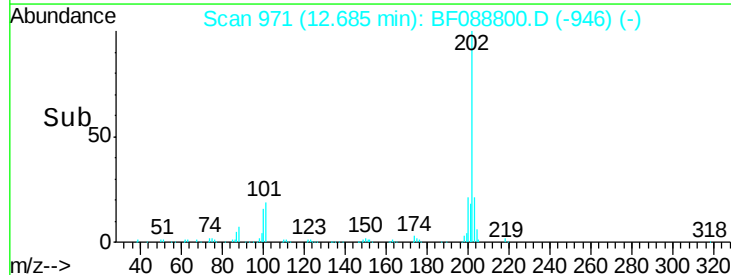
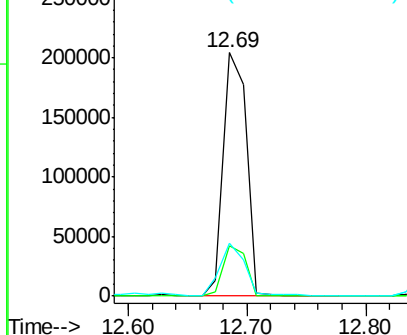


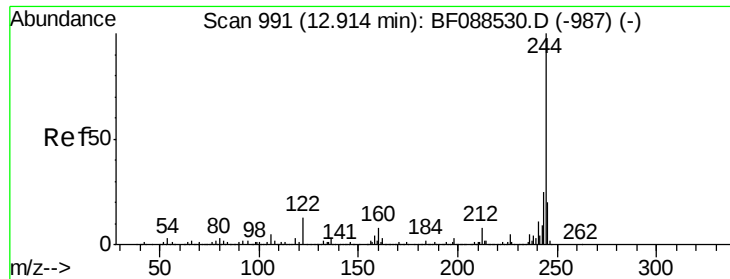
#77
Pyrene
Concen: 18.39 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion:202 Resp: 274941
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 21.6 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

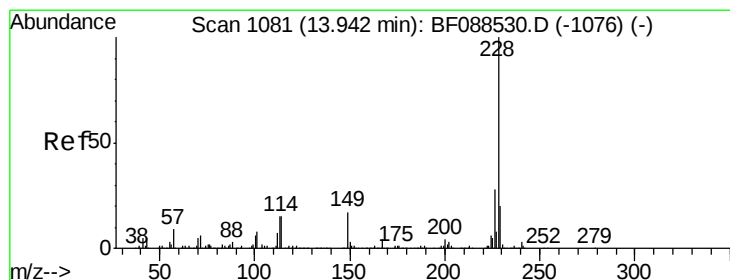
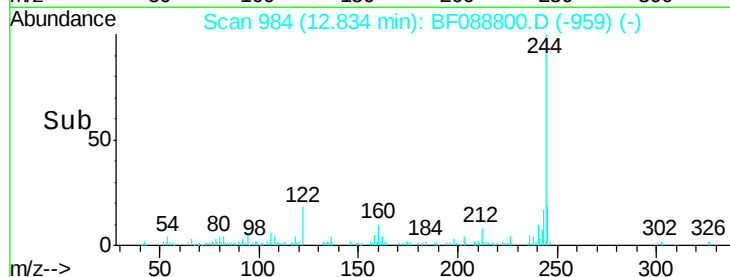
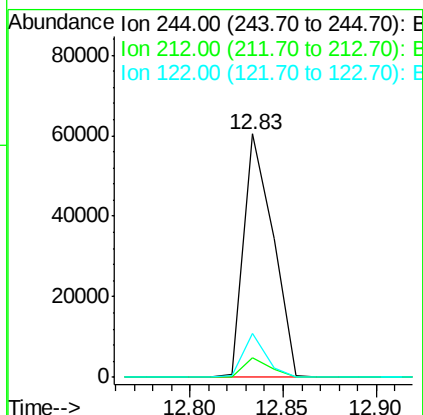
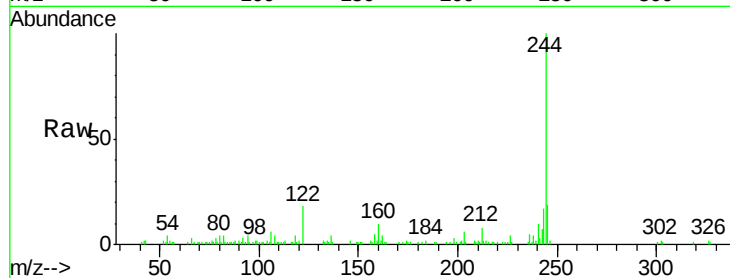




#78
 Terphenyl-d14
 Concen: 8.33 ng
 RT: 12.83 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

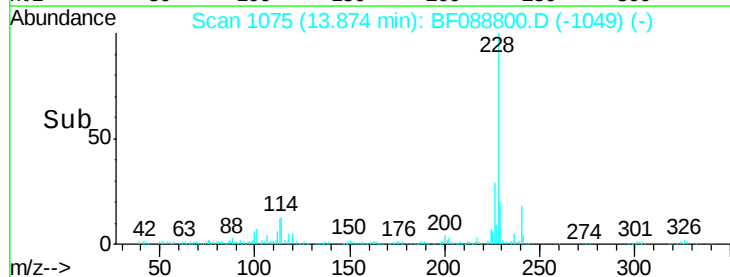
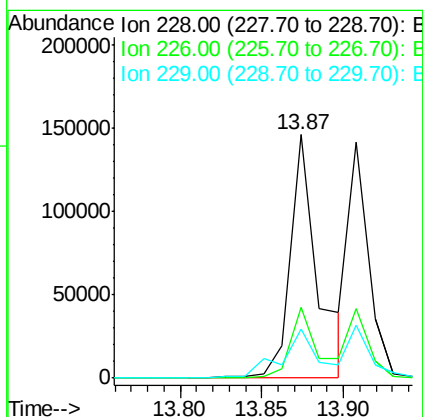
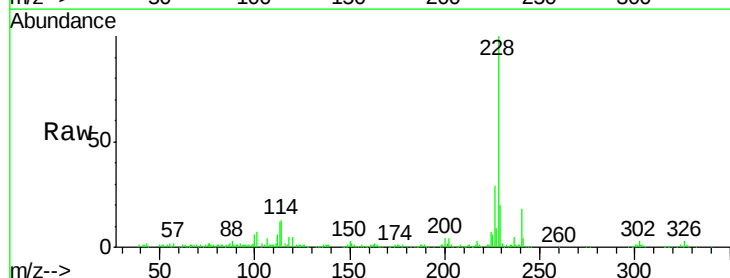
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

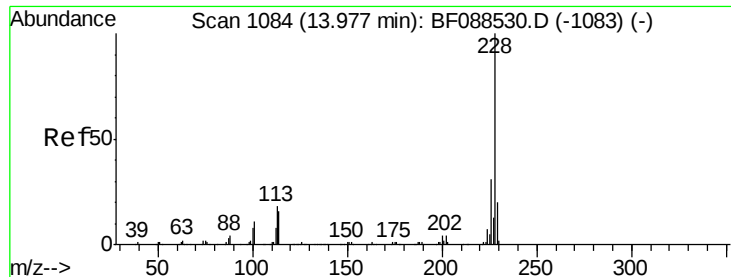
Tgt Ion:244 Resp: 65979
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 17.9 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 15.15 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion:228 Resp: 171993
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.3 33.5
 229 20.3 16.0 24.0





#82

Chrysene

Concen: 10.99 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

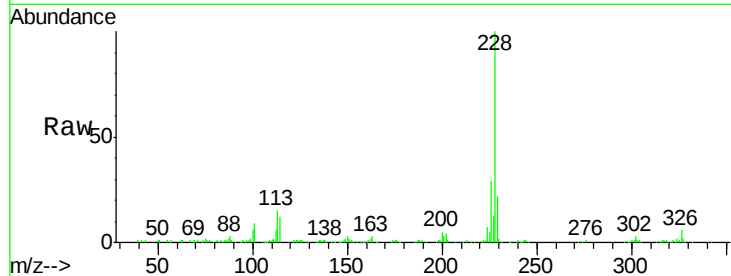
Tgt Ion:228 Resp: 123482

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.2

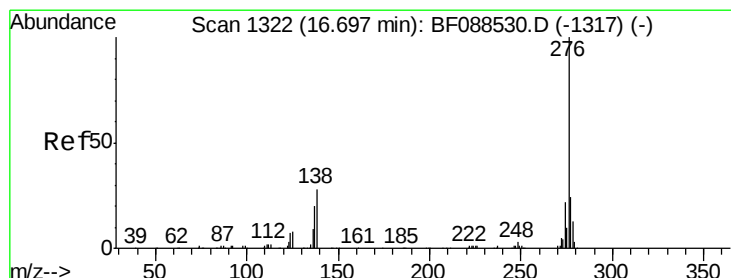
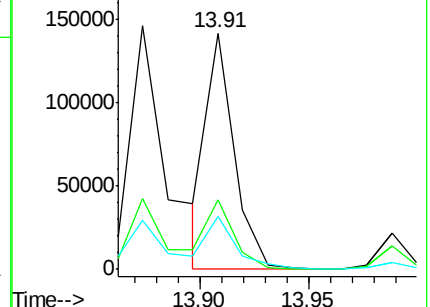
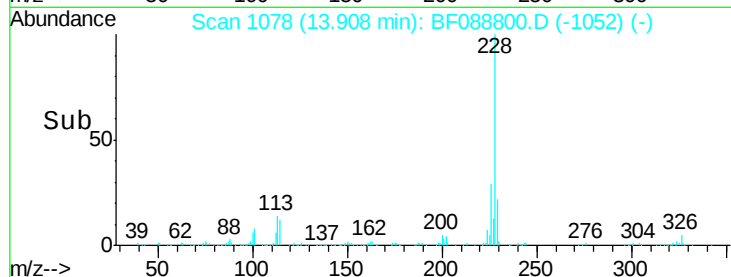
229 22.3 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.64 ng

RT: 16.58 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

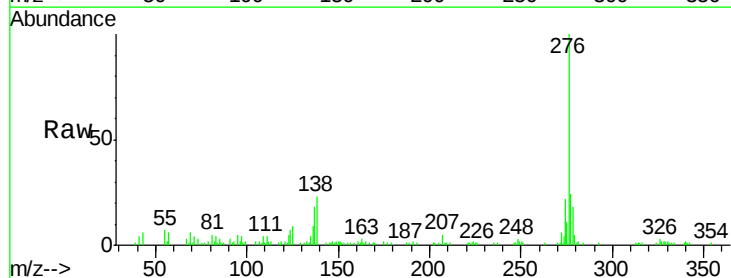
Tgt Ion:276 Resp: 57354

Ion Ratio Lower Upper

276 100

138 24.7 0.0 0.0#

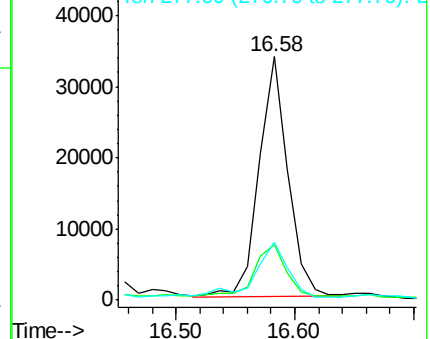
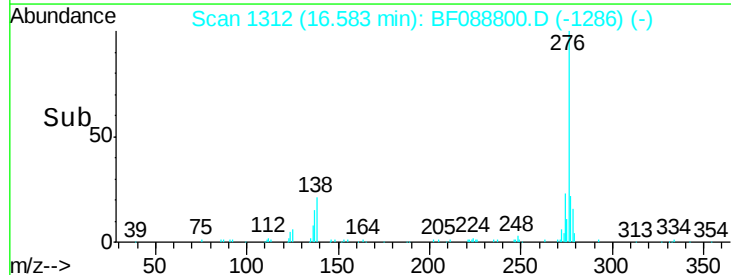
277 28.4 0.0 0.0#

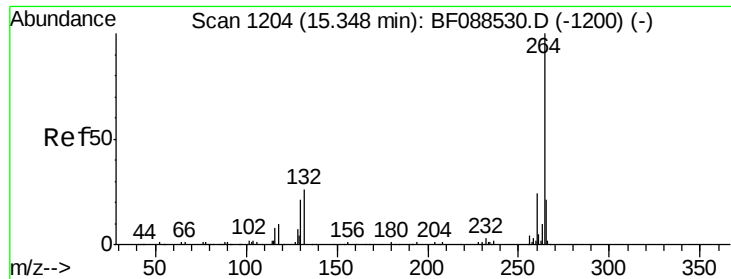


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



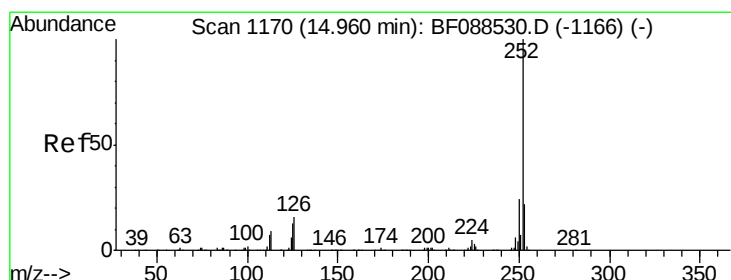
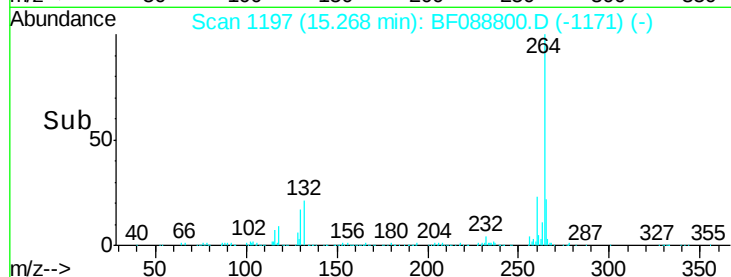
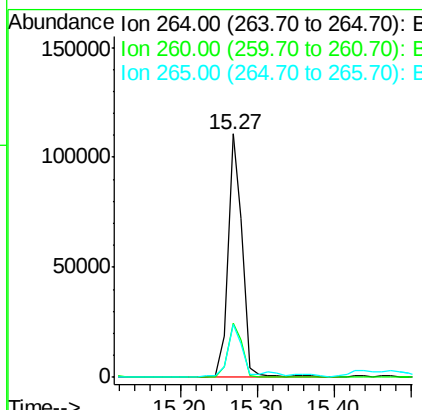
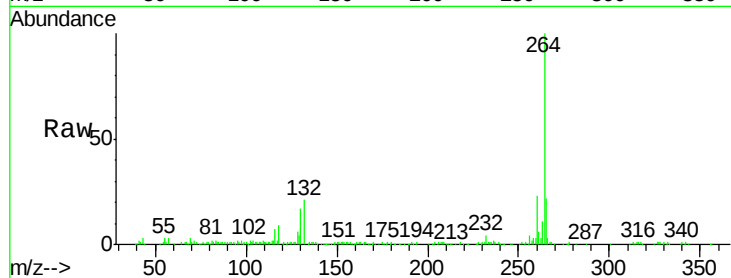


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion: 264 Resp: 146098

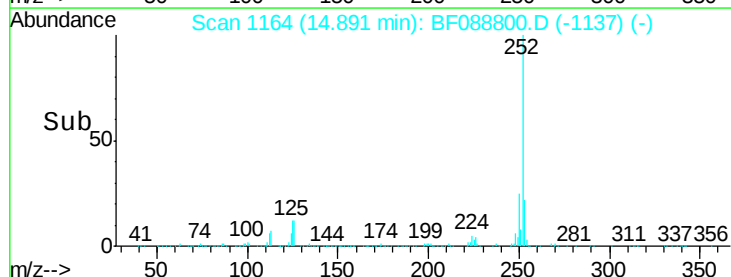
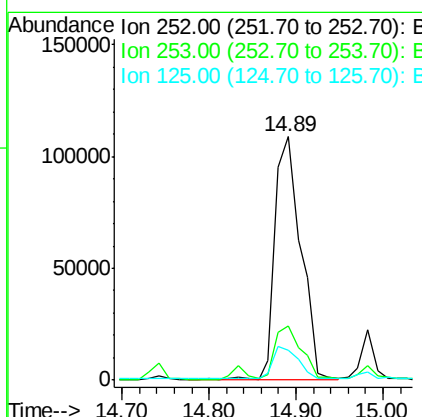
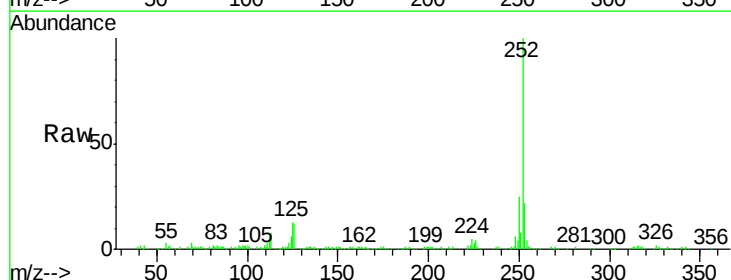
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.9	16.9	25.3

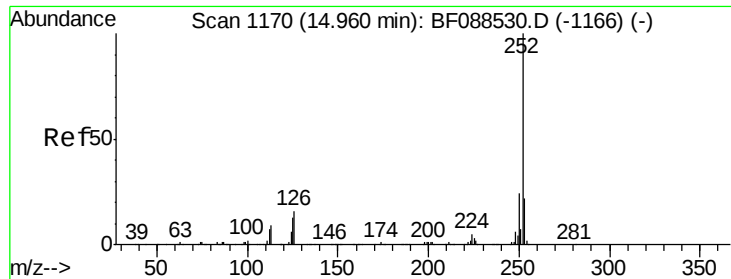


#87
Benzo(b)fluoranthene
Concen: 24.71 ng
RT: 14.89 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion: 252 Resp: 226433

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.5	7.1	10.7#

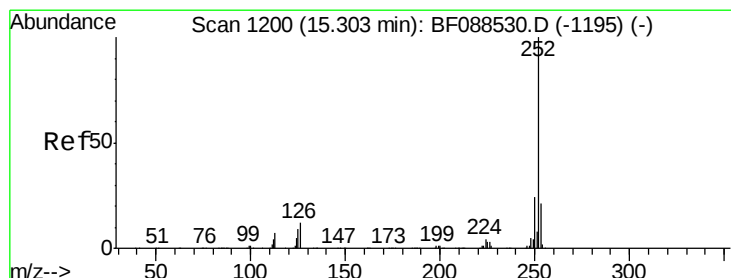
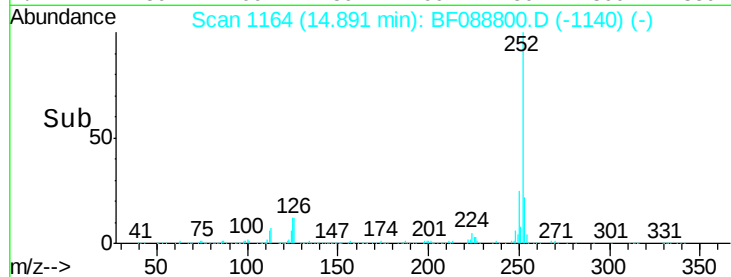
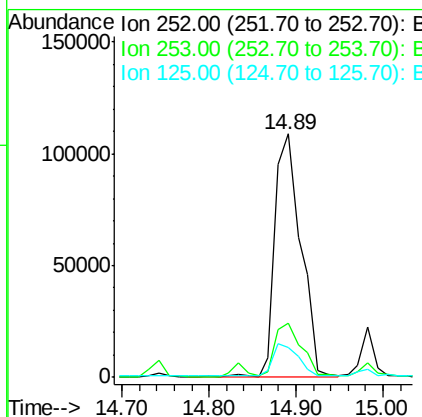
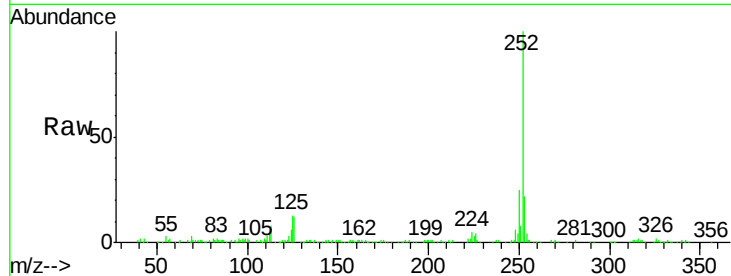




#88
Benzo(k)fluoranthene
Concen: 28.38 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

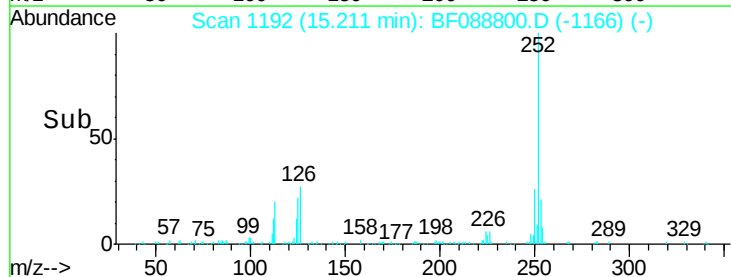
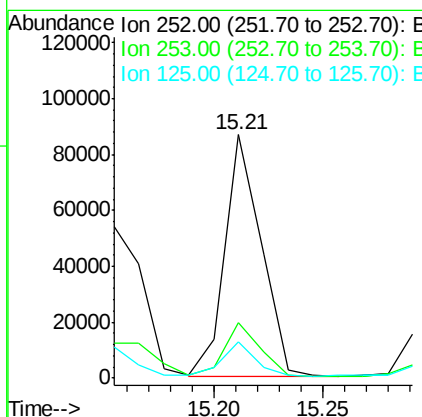
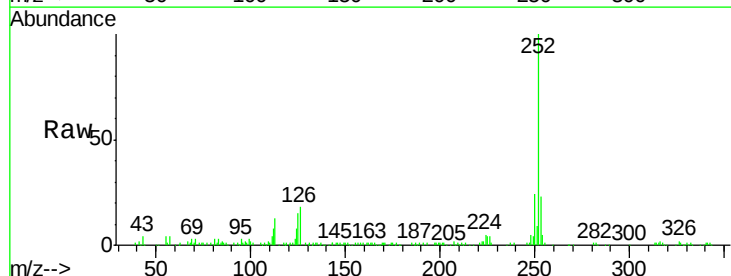
Instrument :
BNA_F
ClientSampled :
SS-4

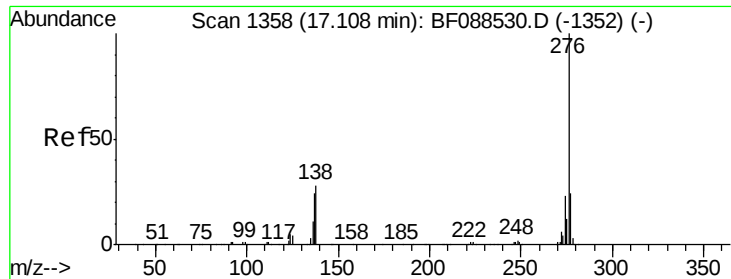
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.5	11.2	16.8



#89
Benzo(a)pyrene
Concen: 13.03 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.1	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 7.95 ng

RT: 16.98 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

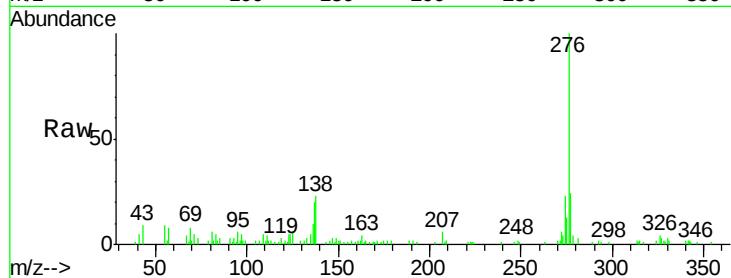
Tgt Ion: 276 Resp: 53328

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 22.6 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

