

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 :
 DFTPP

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

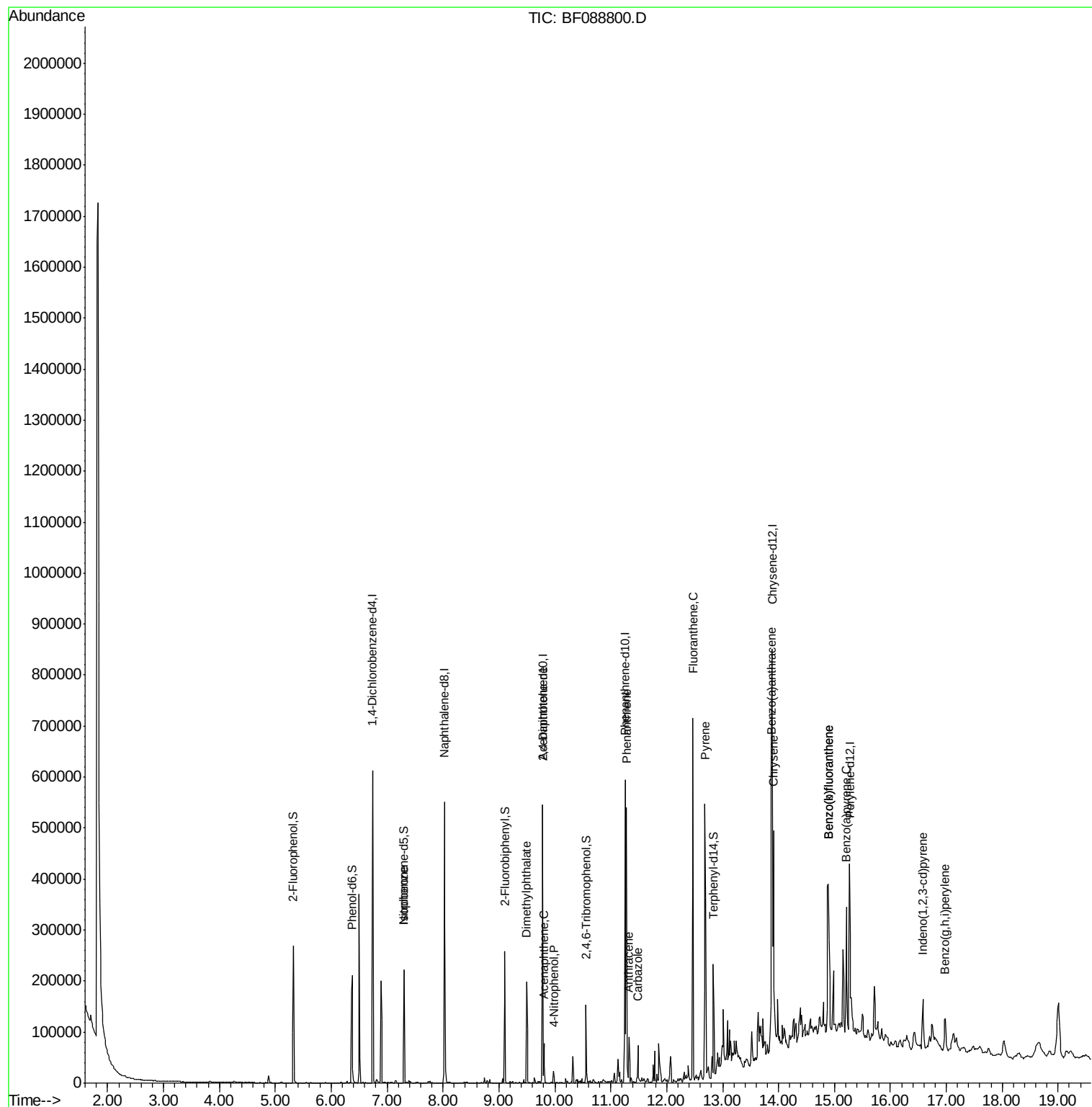
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.30	82	58119	5.44	ng	# 65
49) Dimethylphthalate	9.50	163	95145	11.03	ng	99
51) Acenaphthene	9.80	154	18874	2.46	ng	97
55) 4-Nitrophenol	9.98	139	3797	2.06	ng	# 5
56) 2,4-Dinitrotoluene	9.78	165	15573	6.23	ng	# 36
70) Phenanthrene	11.28	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

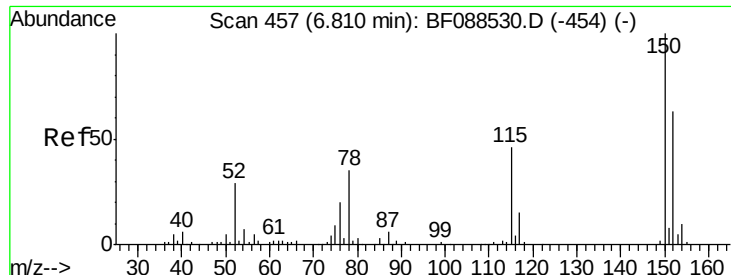
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

DFTPP

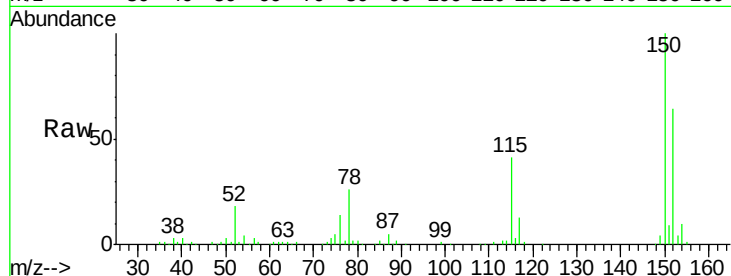
Tgt Ion:152 Resp: 87080

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

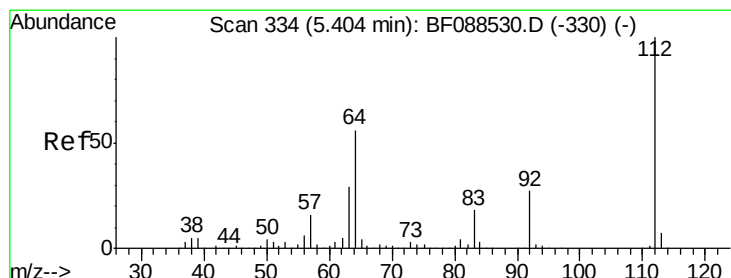
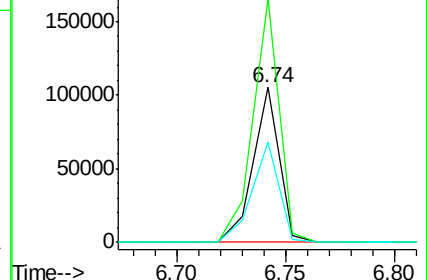
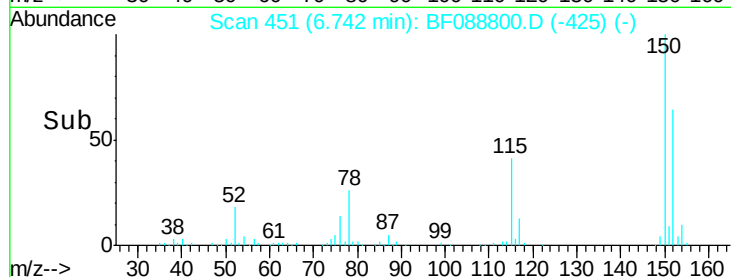
115 64.9 39.6 59.4#



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

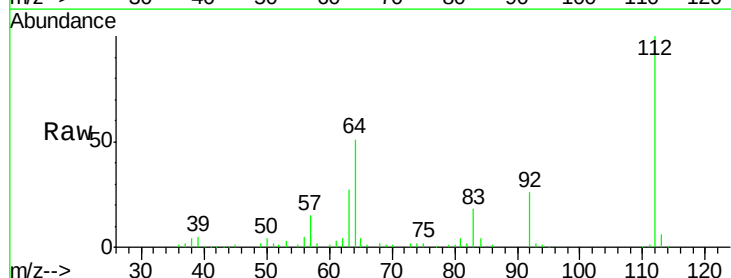
Tgt Ion:112 Resp: 82040

Ion Ratio Lower Upper

112 100

64 51.1 42.2 63.2

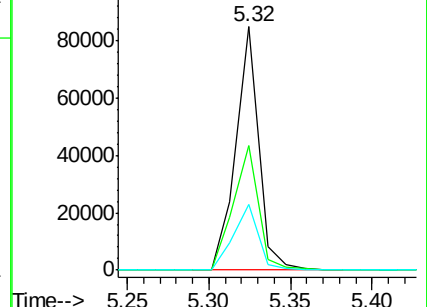
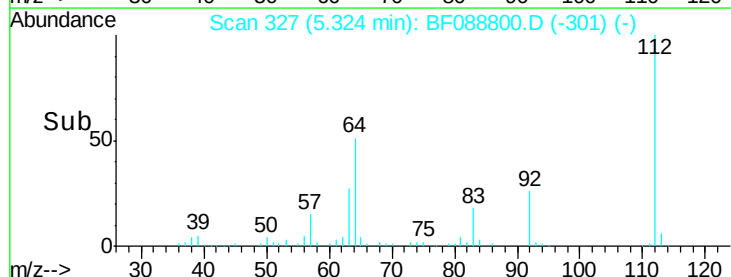
63 26.9 21.8 32.8

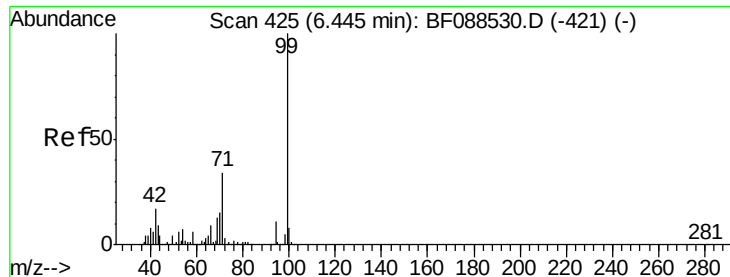


Abundance Ion 112.00 (111.70 to 112.70): E

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

ClientSampleId :

DFTPP

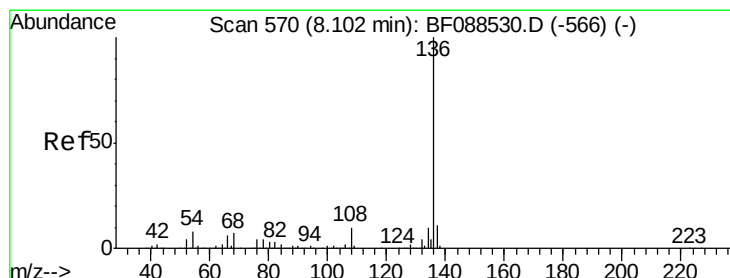
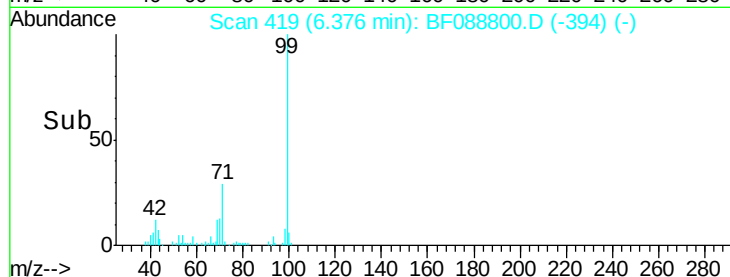
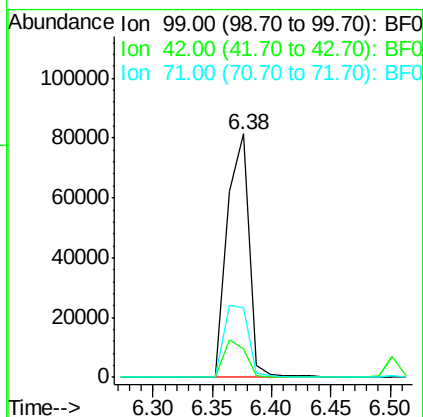
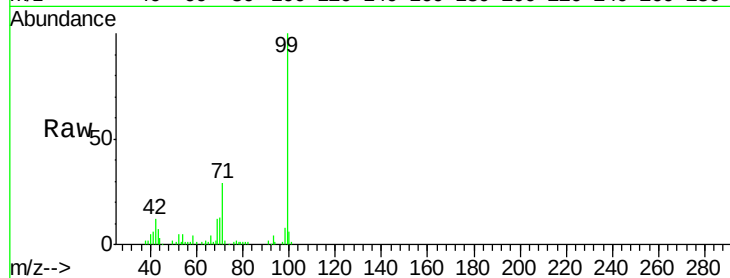
Tgt Ion: 99 Resp: 103321

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

71 28.7 23.4 35.0



#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

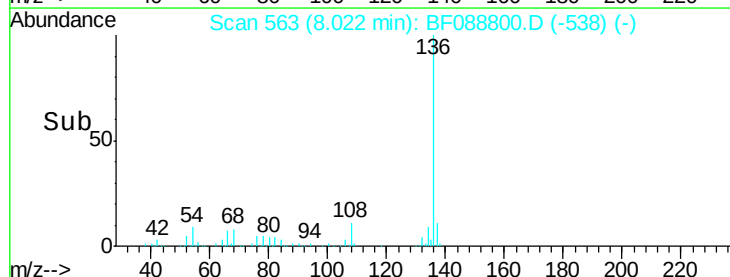
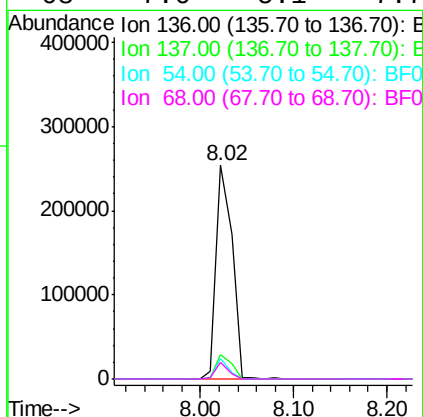
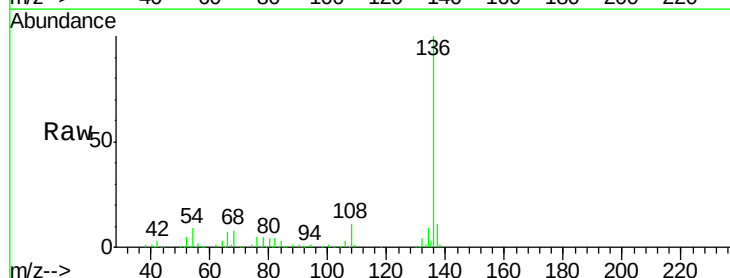
Ion Ratio Lower Upper

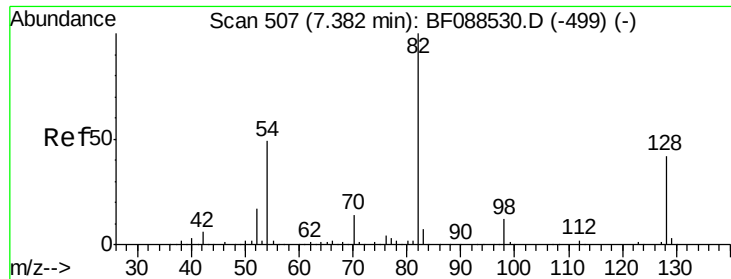
136 100

137 11.3 9.1 13.7

54 9.4 6.6 10.0

68 7.6 5.1 7.7

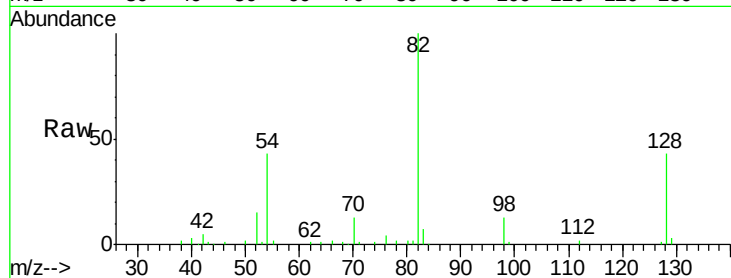




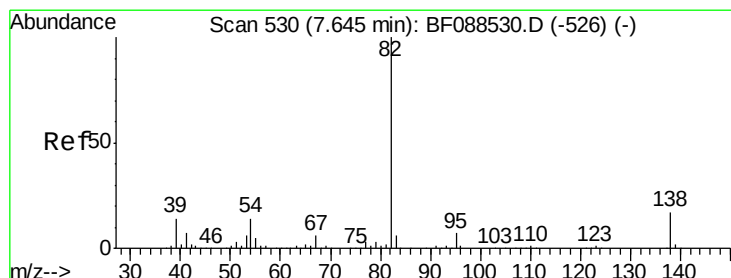
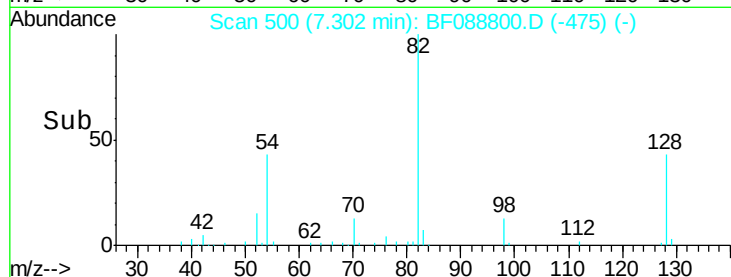
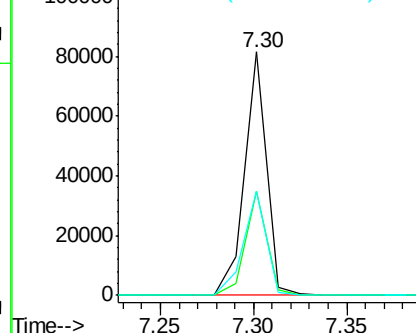
#23
Nitrobenzene-d5
Concen: 11.63 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
DFTPP

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

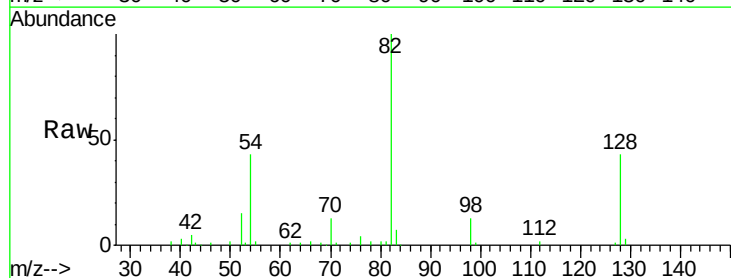


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

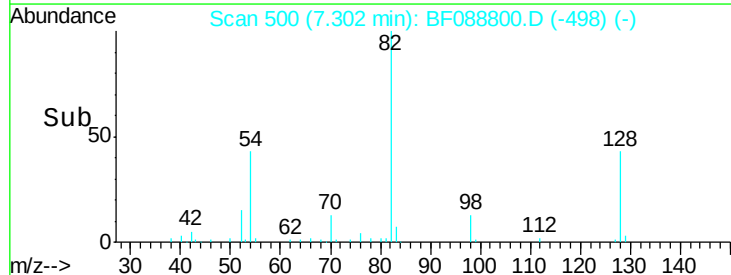
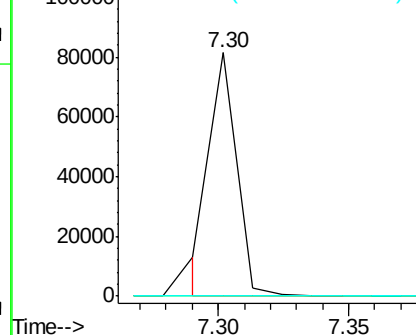


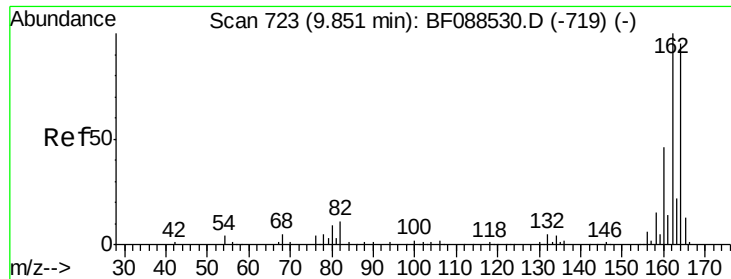
#25
Isophorone
Concen: 5.44 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.27 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

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 :

DFTPP

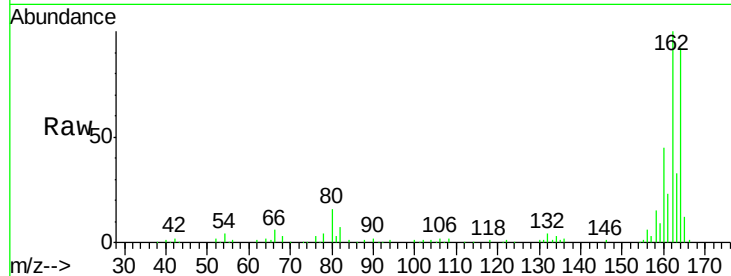
Tgt Ion:164 Resp: 121054

Ion Ratio Lower Upper

164 100

162 108.2 85.4 128.2

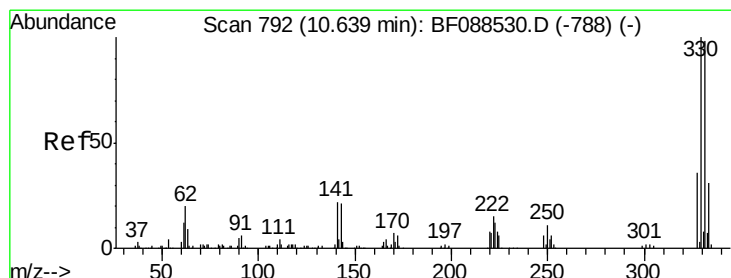
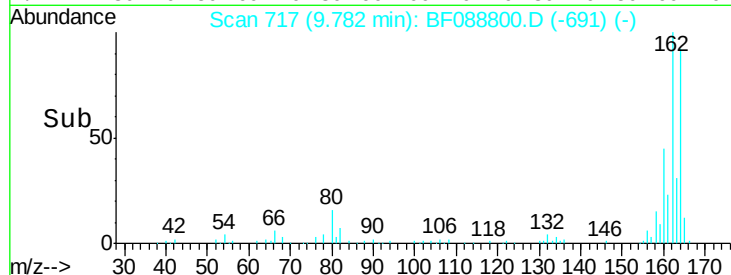
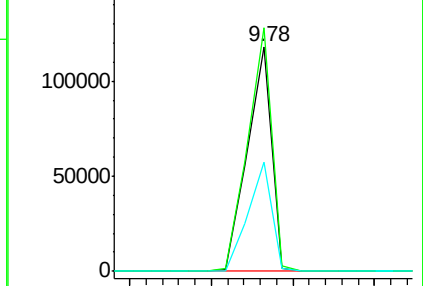
160 48.6 39.5 59.3



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

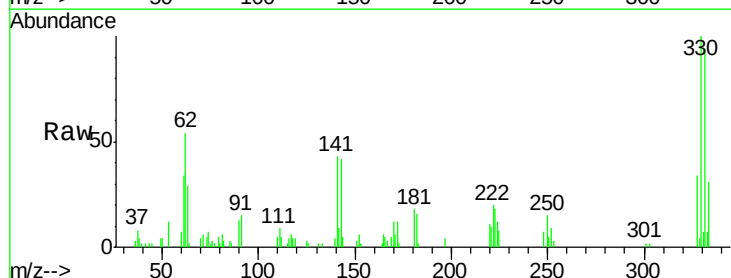
Tgt Ion:330 Resp: 15226

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

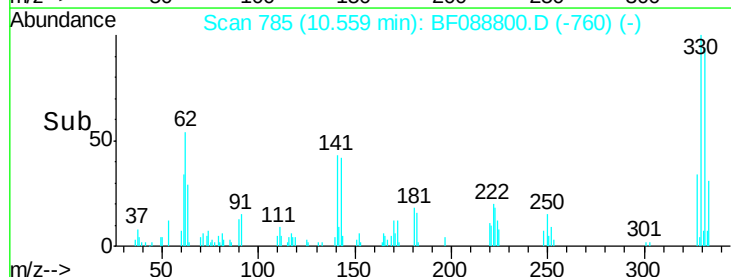
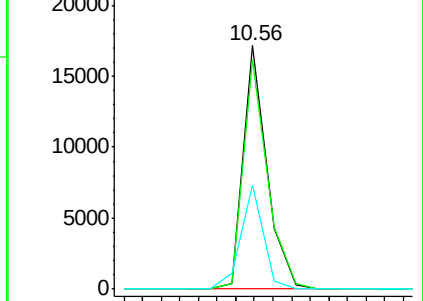
141 40.7 0.0 0.0#

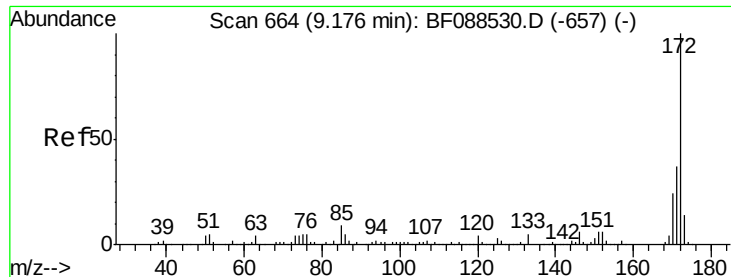


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

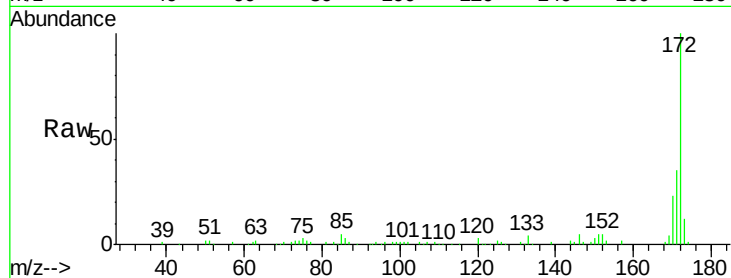




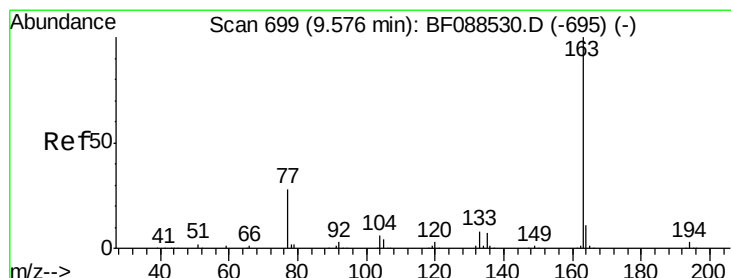
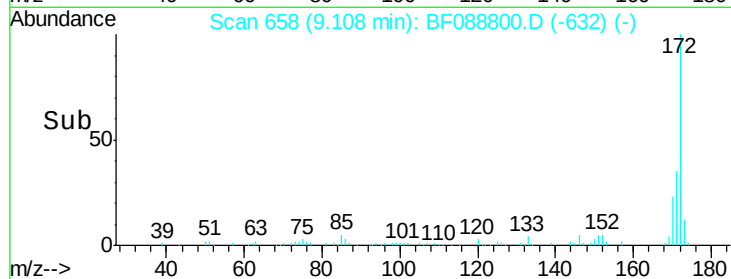
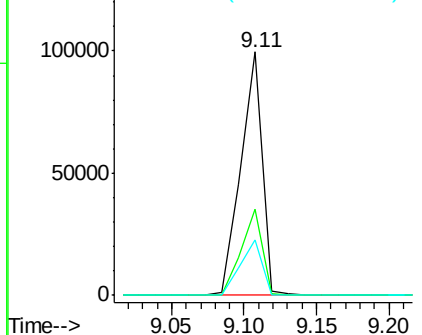
#44
 2-Fluorobiphenyl
 Concen: 13.31 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampled :
 DFTPP

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

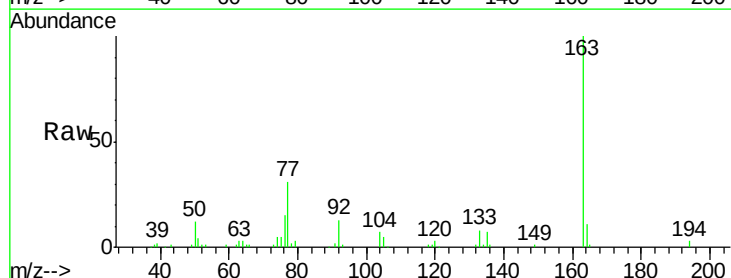


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

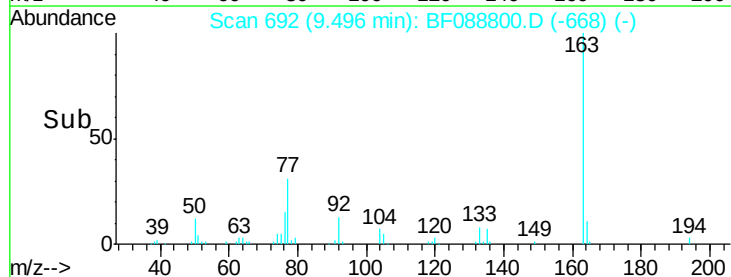
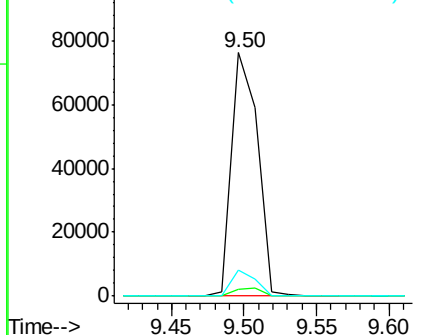


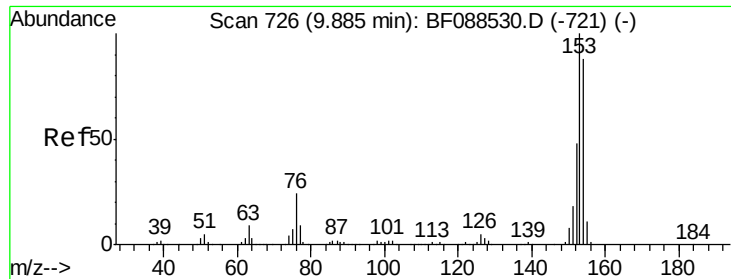
#49
 Dimethylphthalate
 Concen: 11.03 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.02 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

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 :

DFTPP

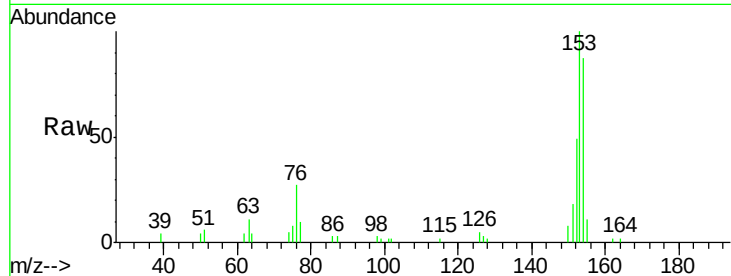
Tgt Ion:154 Resp: 18874

Ion Ratio Lower Upper

154 100

153 114.4 89.5 134.3

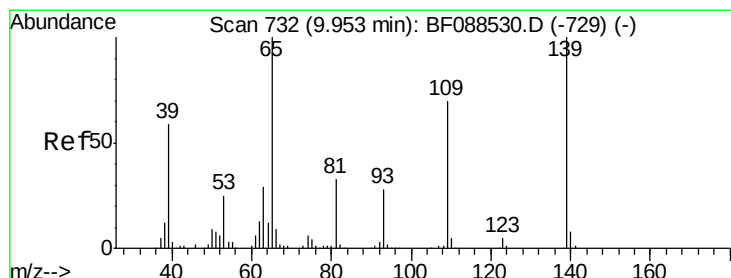
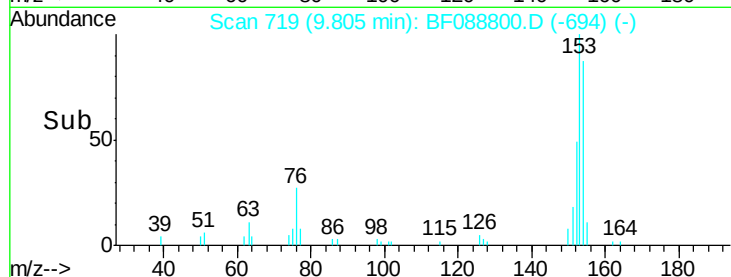
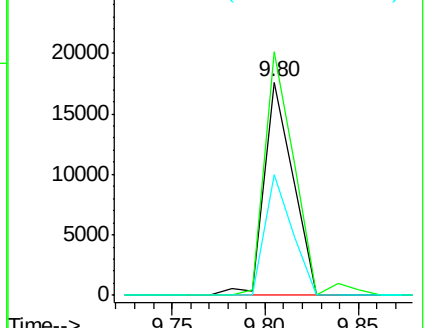
152 56.6 42.7 64.1



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

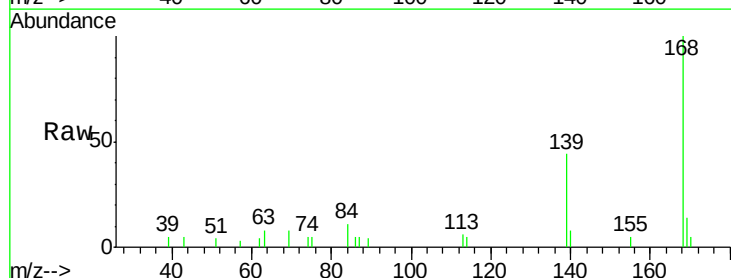
Tgt Ion:139 Resp: 3797

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

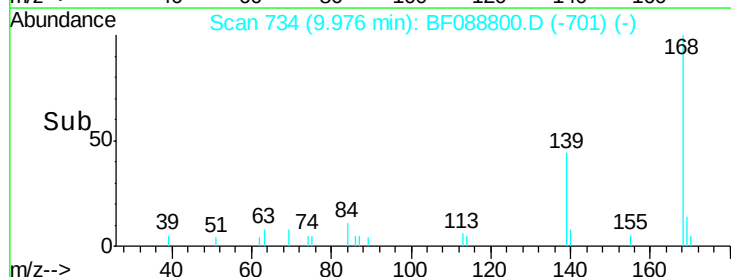
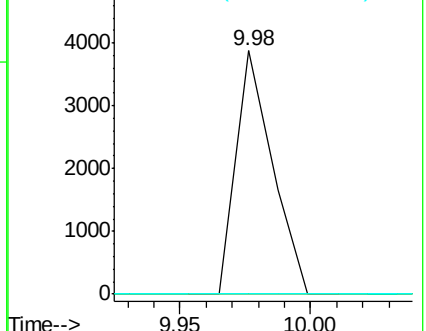
65 0.0 84.9 124.9#

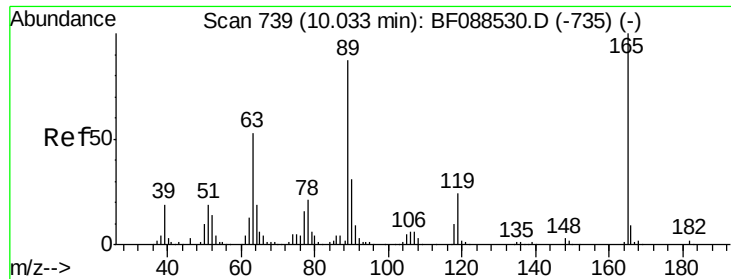


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

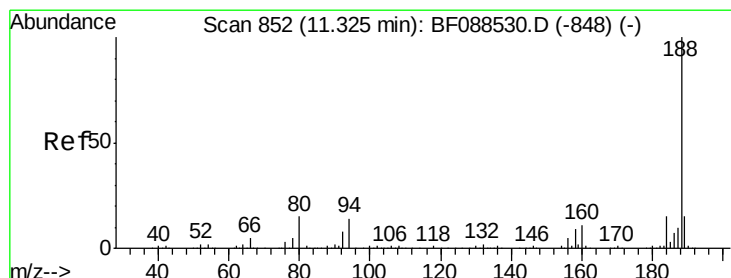
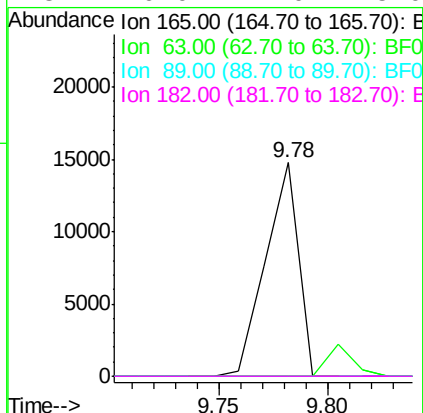
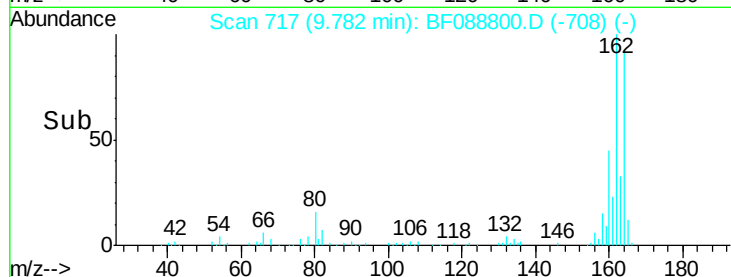
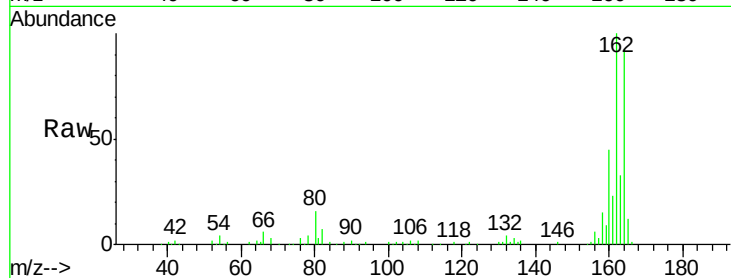




#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.19 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

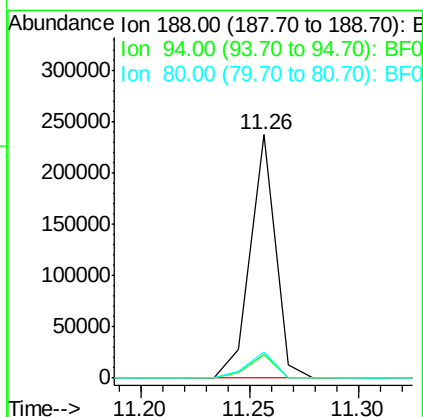
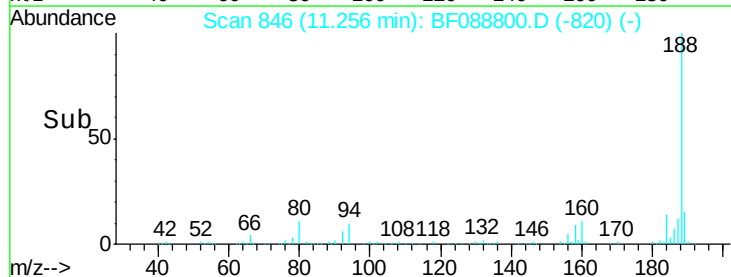
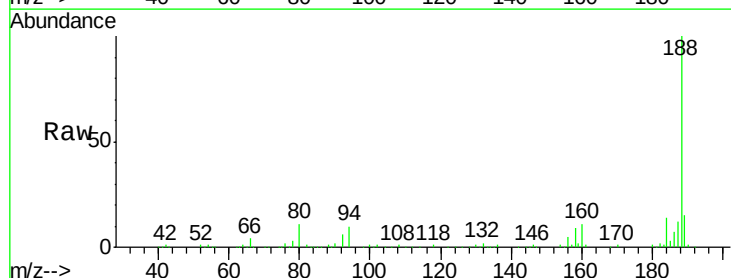
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

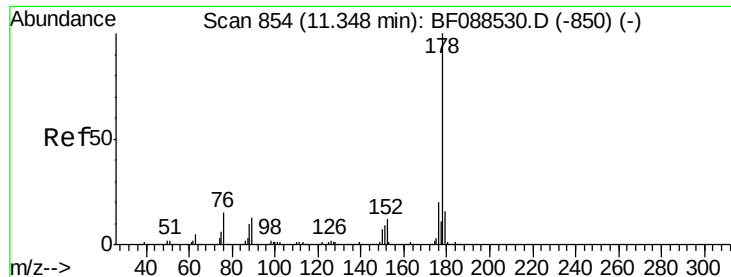
Tgt Ion:165 Resp: 15573
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 41.1 61.7#
 182 0.0 2.0 3.0#



#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

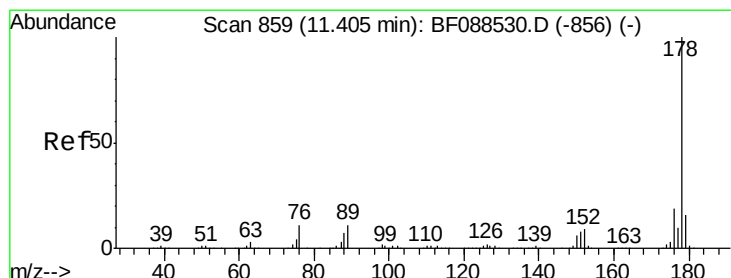
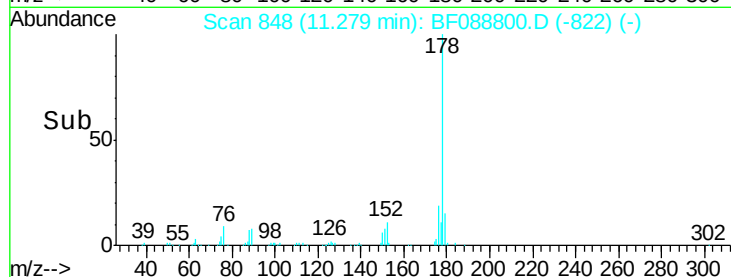
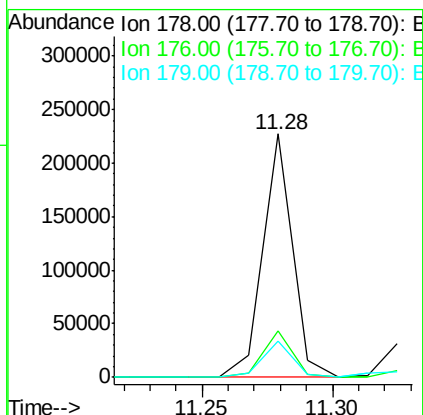
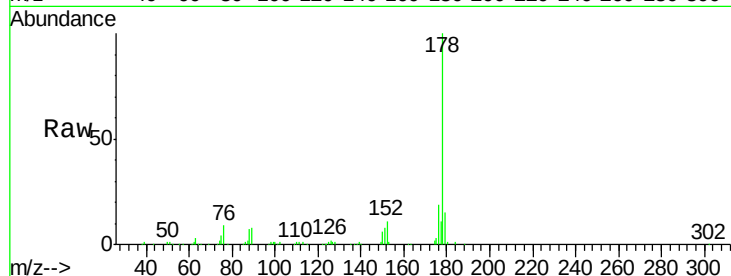




#70
Phenanthrene
Concen: 17.30 ng
RT: 11.28 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

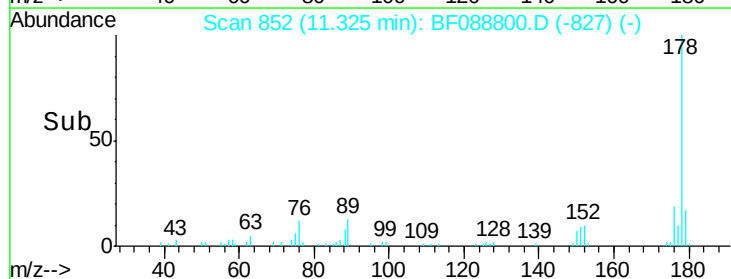
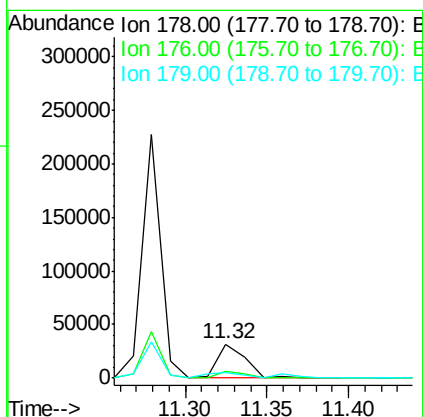
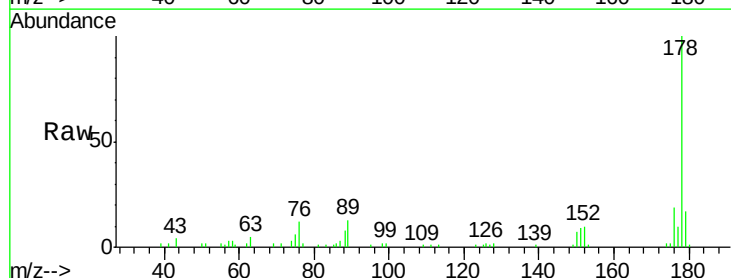
Instrument :
BNA_F
ClientSampleId :
DFTPP

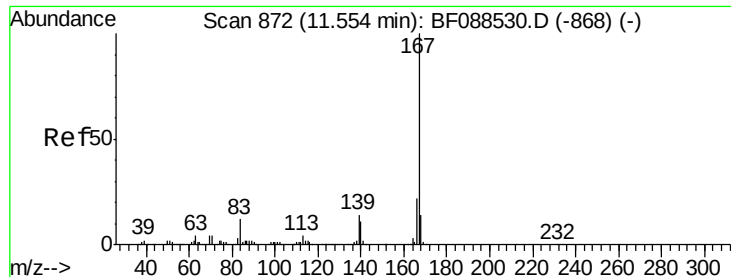
Tgt Ion:178 Resp: 181039
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.1 13.0 19.4



#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 :

DFTPP

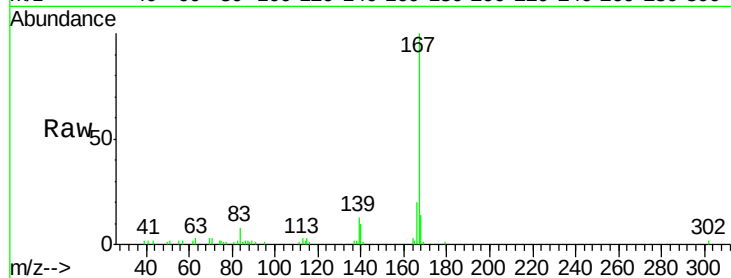
Tgt Ion:167 Resp: 25683

Ion Ratio Lower Upper

167 100

166 20.4 17.8 26.6

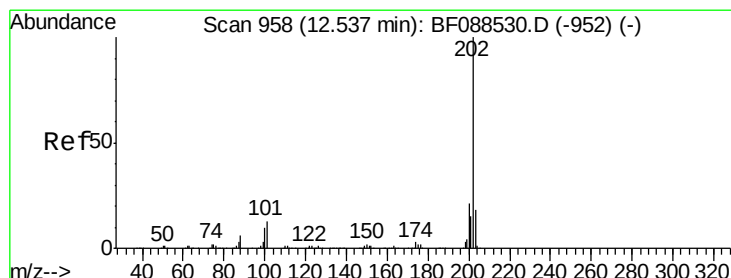
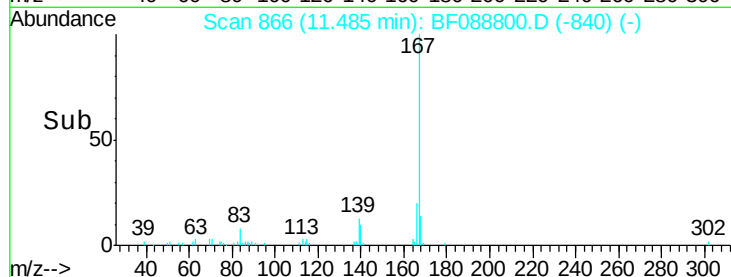
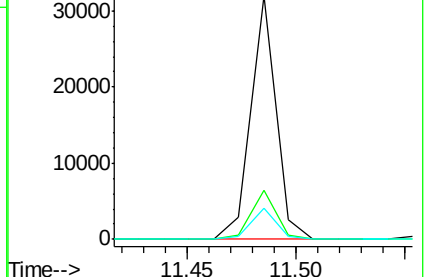
139 12.9 11.2 16.8



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: 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

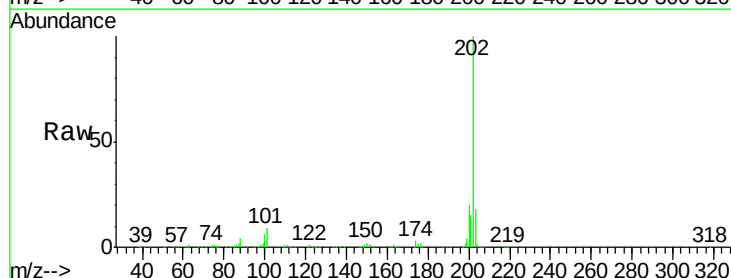
Tgt Ion:202 Resp: 332936

Ion Ratio Lower Upper

202 100

101 8.7 0.0 33.1

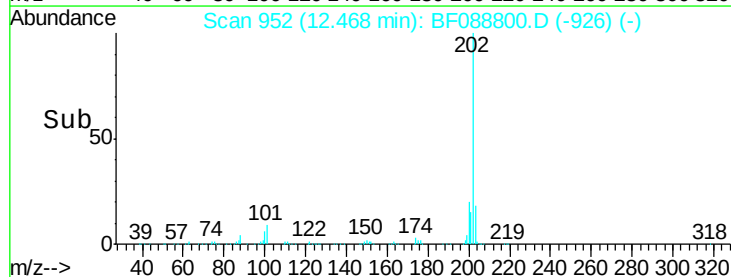
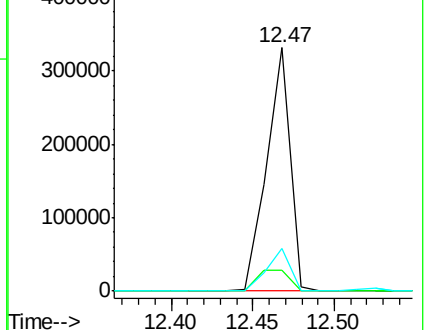
203 17.6 0.0 38.1

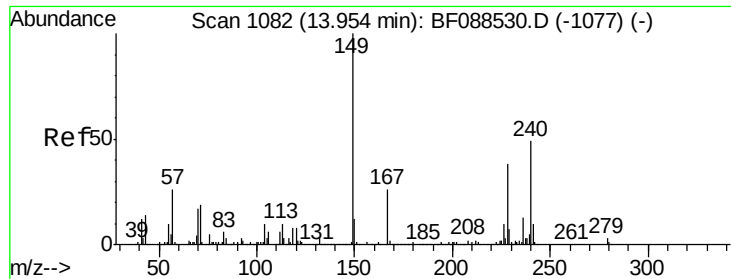


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

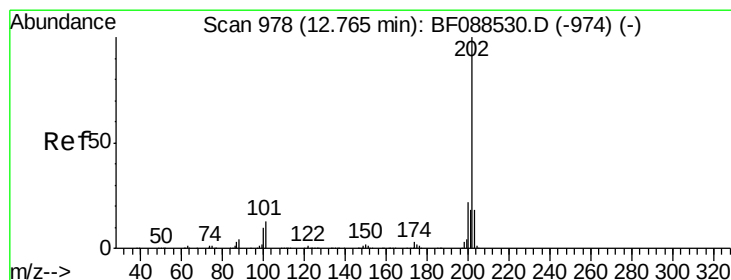
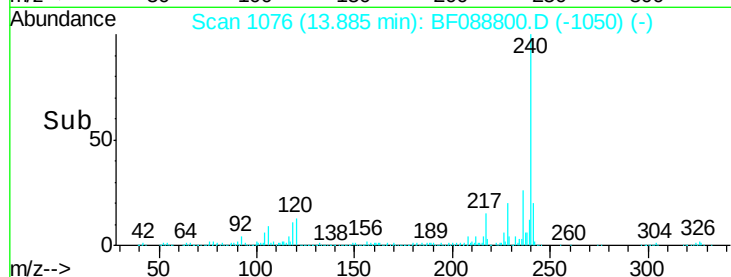
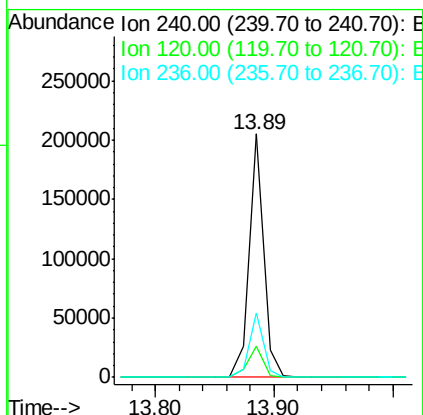
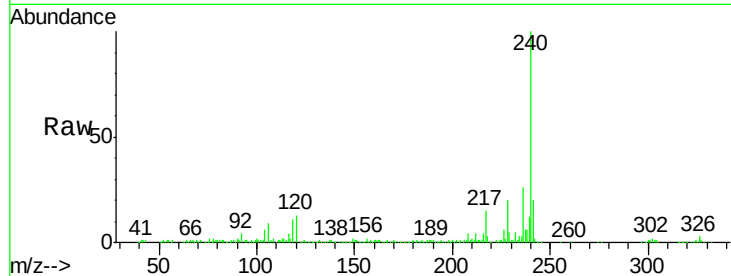




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

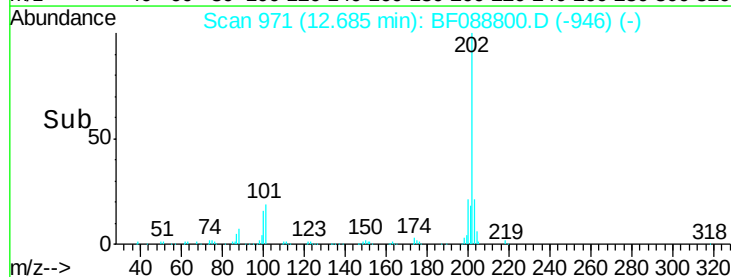
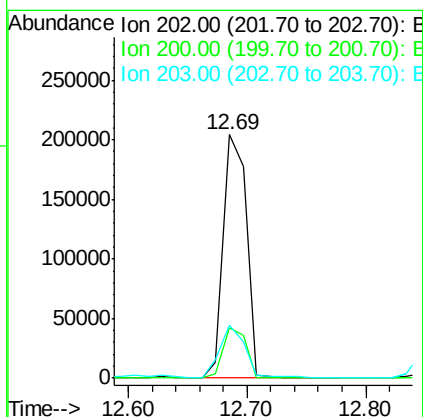
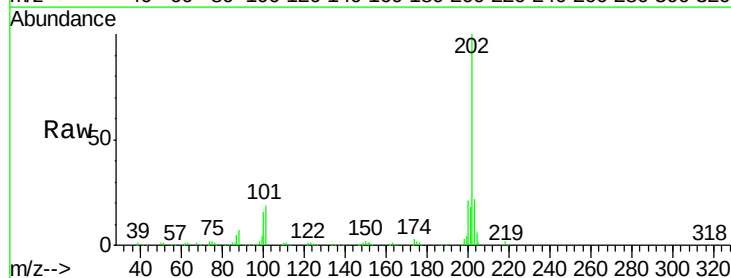
Instrument :
BNA_F
ClientSampled :
DFTPP

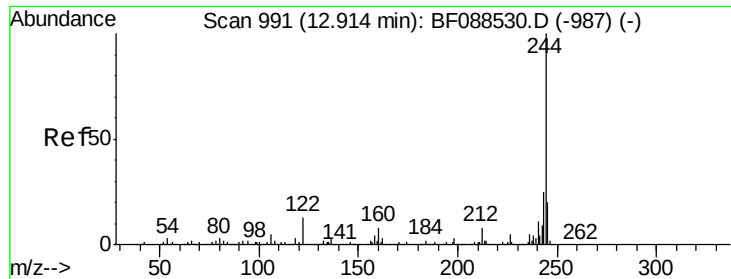
Tgt Ion:240 Resp: 176329
Ion Ratio Lower Upper
240 100
120 12.8 6.8 10.2#
236 26.3 20.2 30.2



#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





#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 :

DFTPP

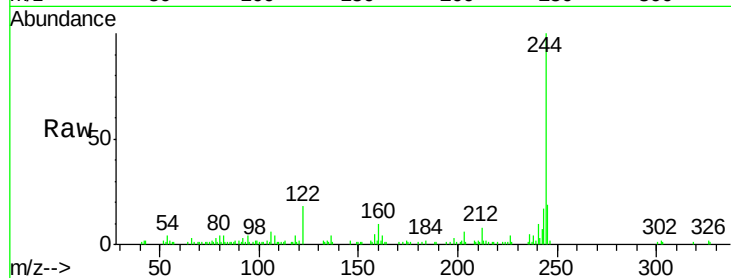
Tgt Ion:244 Resp: 65979

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

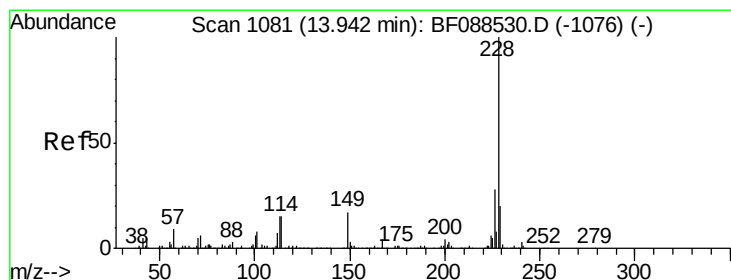
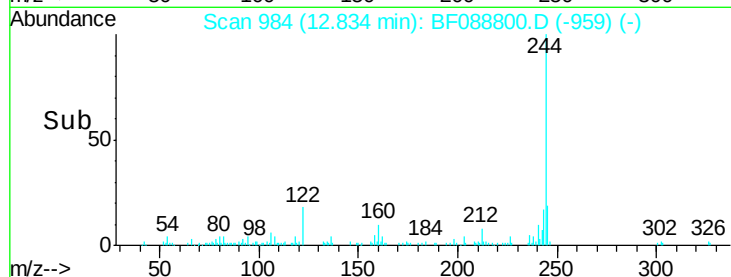
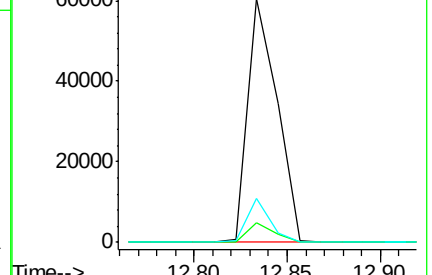
122 17.9 11.2 16.8#



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: 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

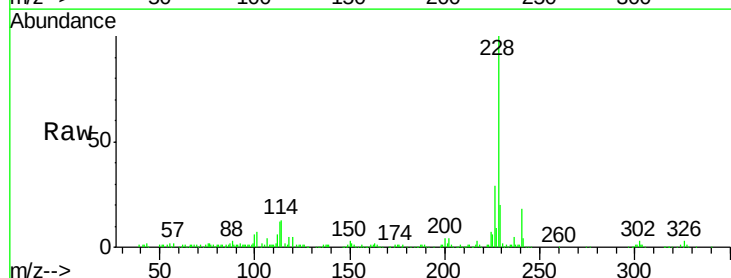
Tgt Ion:228 Resp: 171993

Ion Ratio Lower Upper

228 100

226 29.2 22.3 33.5

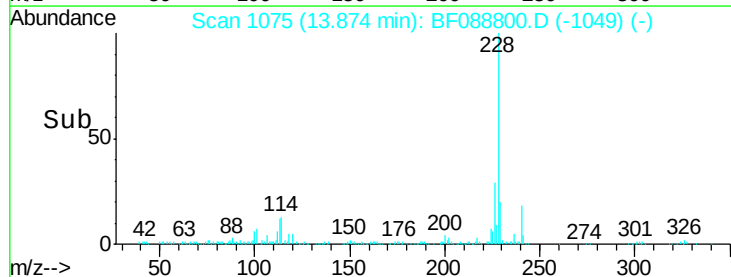
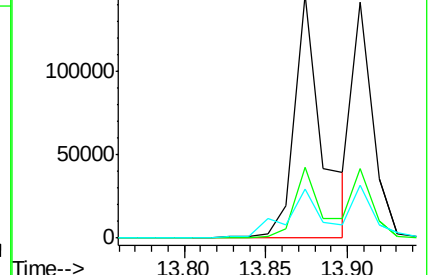
229 20.3 16.0 24.0

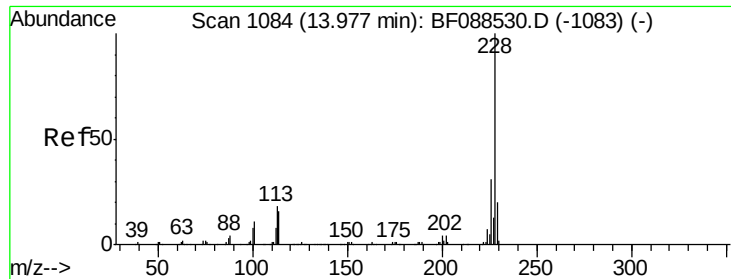


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 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 :

DFTPP

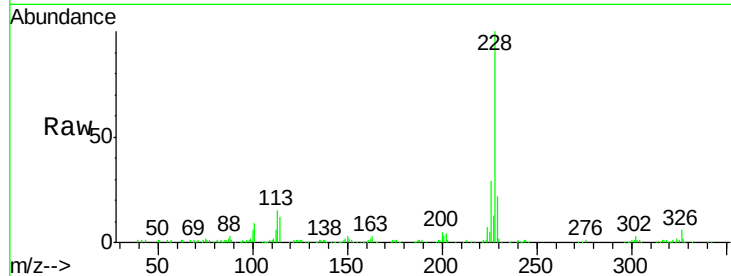
Tgt Ion:228 Resp: 123482

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

200000

150000

100000

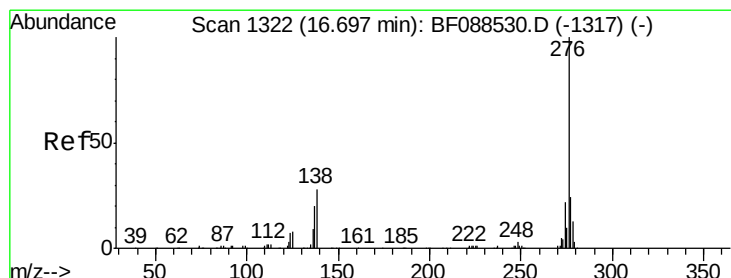
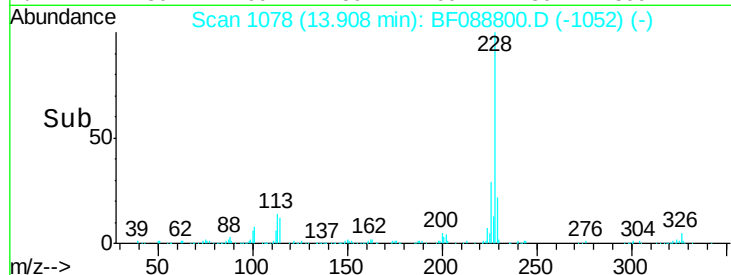
50000

0

13.91

13.95

Time-->



#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

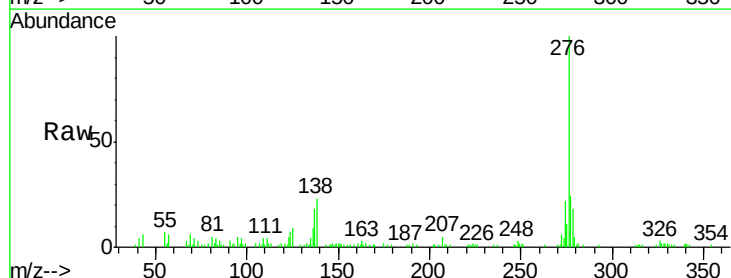
Tgt Ion:276 Resp: 57354

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

40000

30000

20000

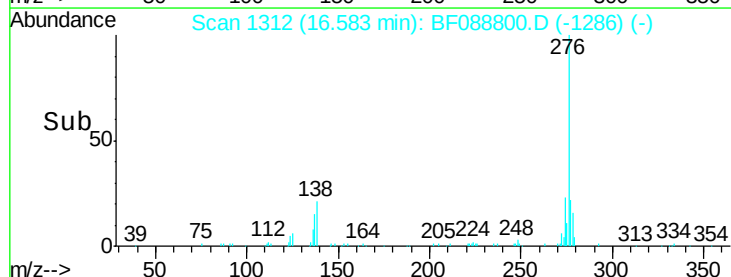
10000

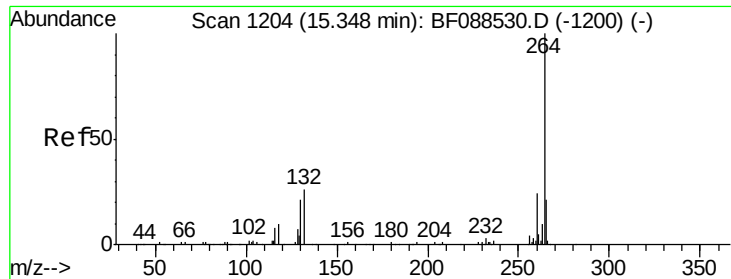
0

16.58

16.60

Time-->



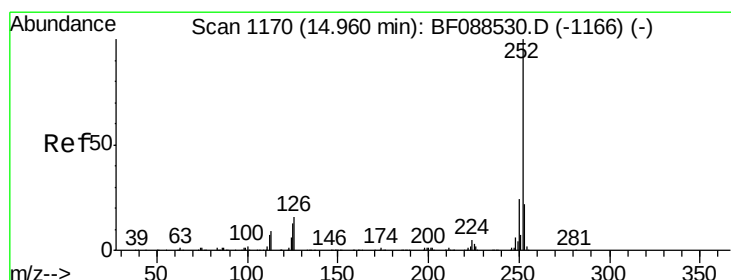
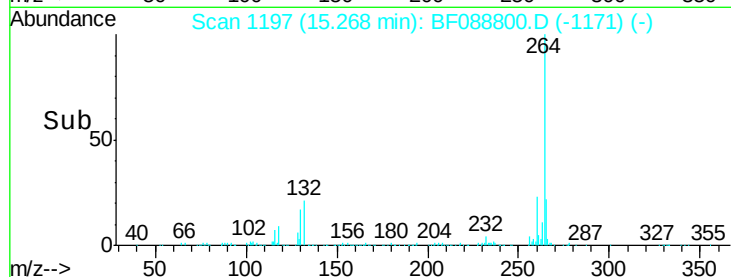
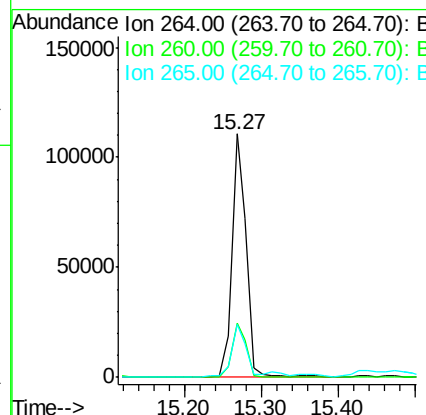
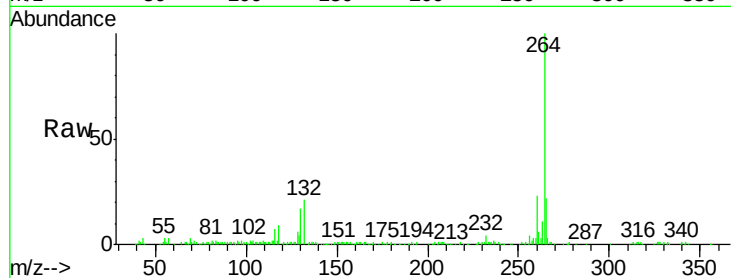


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion: 264 Resp: 146098

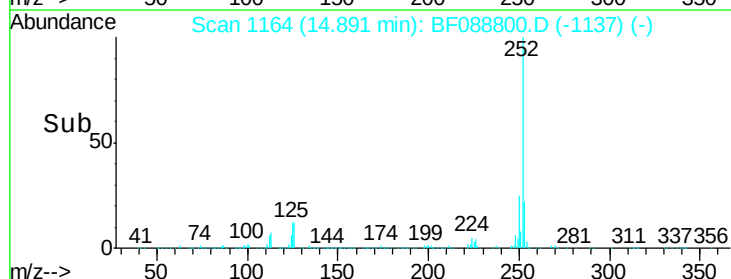
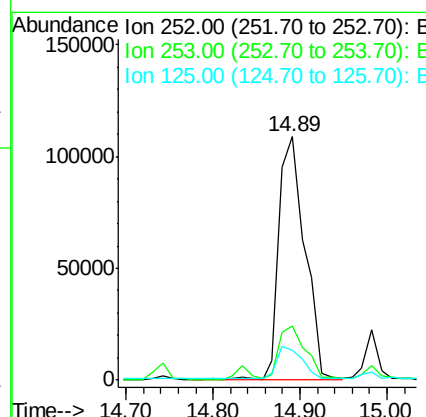
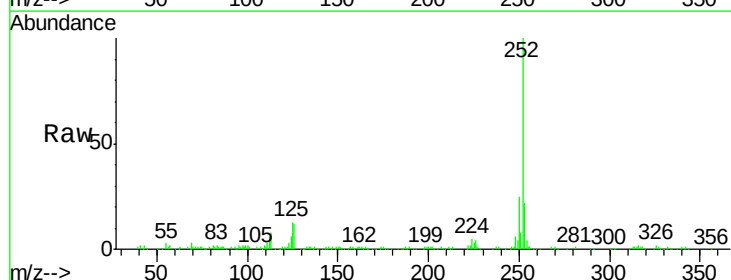
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.9	16.9	25.3

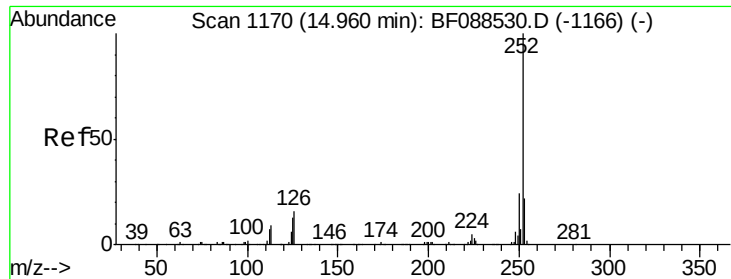


#87
Benzo(b)fluoranthene
Concen: 24.71 ng
RT: 14.89 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

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

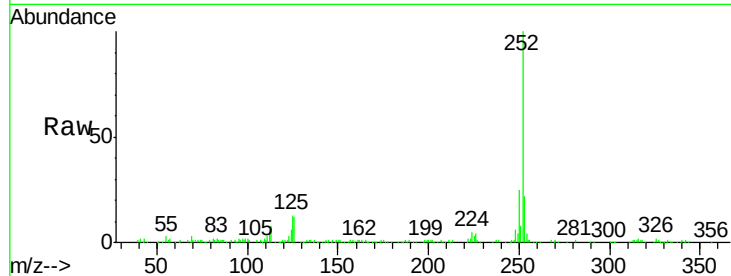
Instrument :

BNA_F

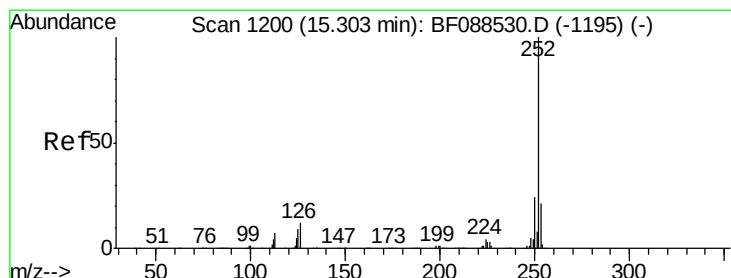
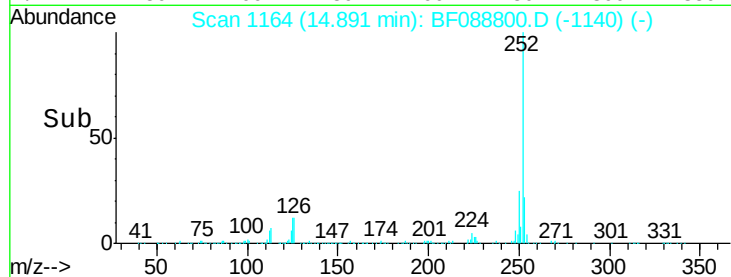
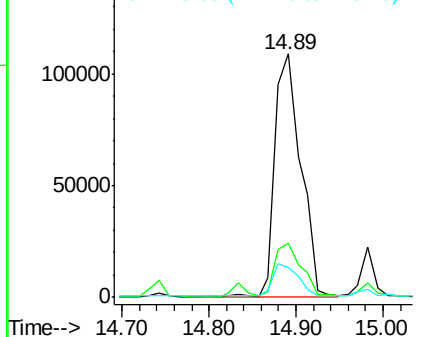
ClientSampled :

DFTPP

Tgt Ion:	252	Resp:	226433
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.5	11.2	16.8



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



#89

Benzo(a)pyrene

Concen: 13.03 ng

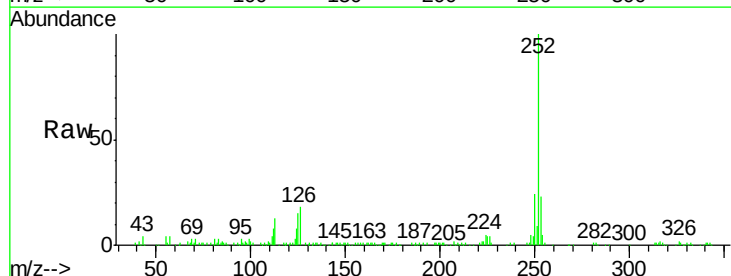
RT: 15.21 min Scan# 1192

Delta R.T. 0.00 min

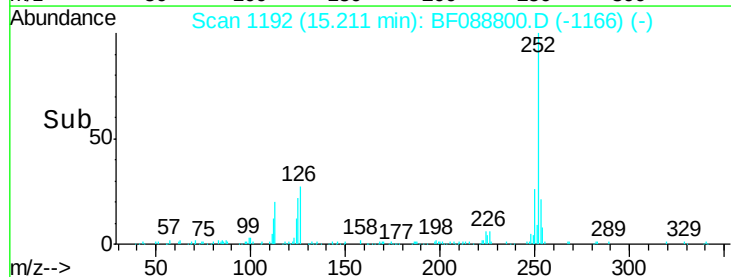
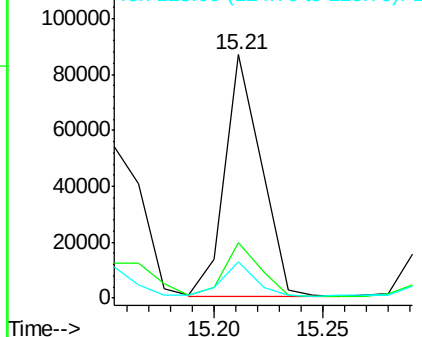
Lab File: BF088800.D

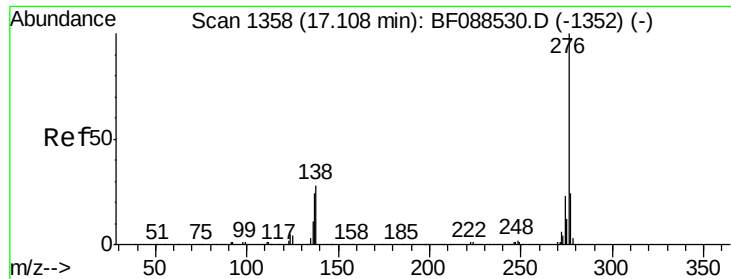
Acq: 8 Jul 2016 1:32

Tgt Ion:	252	Resp:	101080
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.1	12.5	18.7



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





#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 :

DFTPP

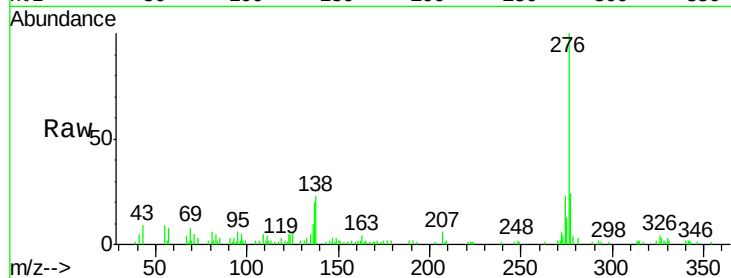
Tgt Ion: 276 Resp: 53328

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

