

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092894.D
 Acq On : 10 Feb 2017 20:23
 Operator : SJ/MA
 Sample : I1772-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Feb 11 00:00:04 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 23:31:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	164046	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	662734	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	380877	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	600443	20.00	ng	0.00
75) Chrysene-d12	14.05	240	478552	20.00	ng	-0.01
86) Perylene-d12	15.51	264	370079	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	610007	63.80	ng	0.00
7) Phenol-d6	6.53	99	500729	40.70	ng	0.00
23) Nitrobenzene-d5	7.47	82	1106282	92.96	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	353003	128.14	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	1977557	94.06	ng	0.00
78) Terphenyl-d14	13.01	244	1507621	74.02	ng	0.00

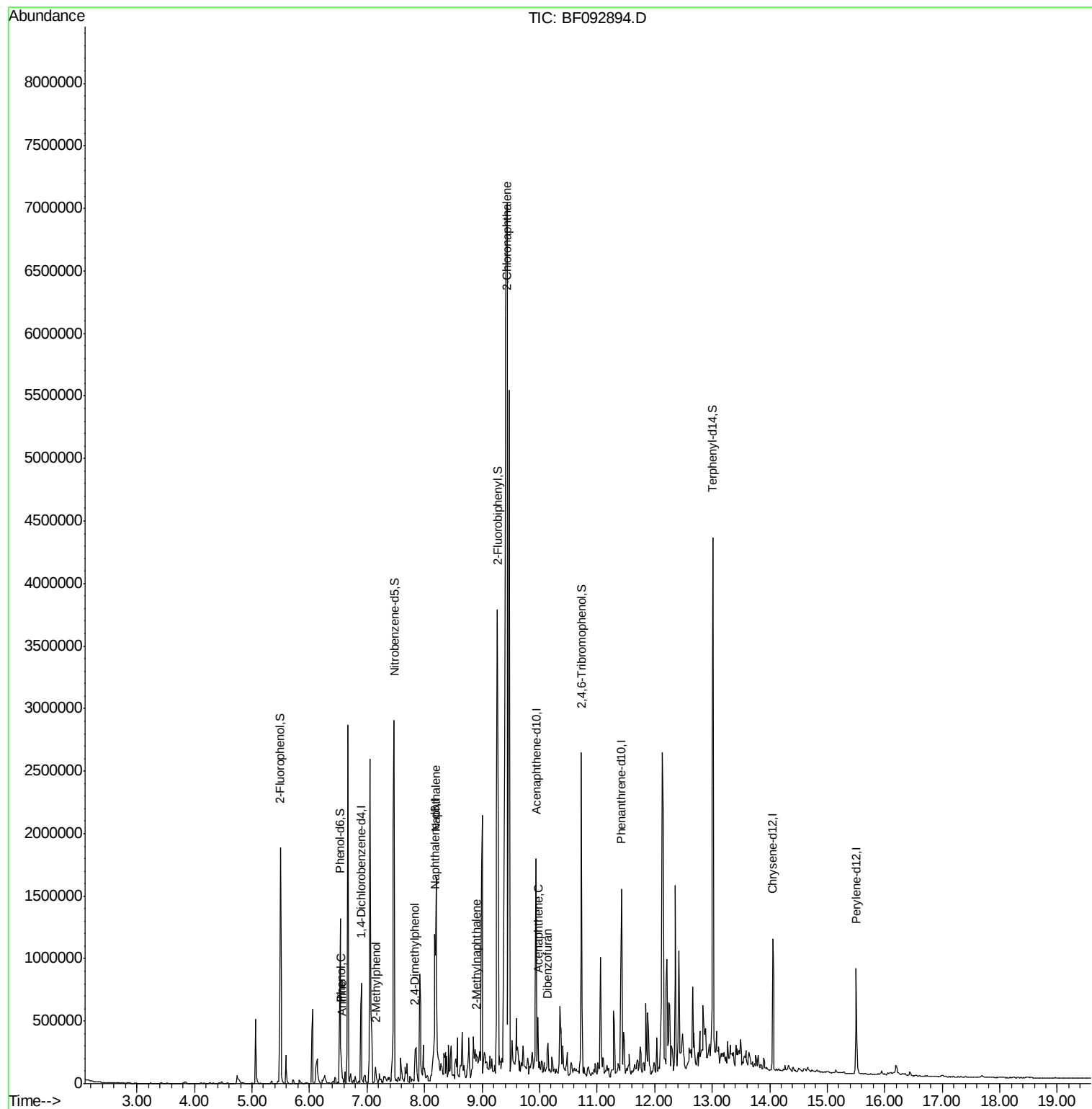
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.56	93	60110	3.58	ng	# 48
10) Phenol	6.54	94	45405	3.15	ng	94
17) 2-Methylphenol	7.15	107	20615	2.28	ng	# 91
27) 2,4-Dimethylphenol	7.84	122	35461	3.48	ng	99
31) Naphthalene	8.20	128	778496	23.17	ng	99
37) 2-Methylnaphthalene	8.90	142	43697	2.03	ng	98
46) 2-Chloronaphthalene	9.44	162	6361085	294.84	ng	99
51) Acenaphthene	9.97	154	133758	6.00	ng	94
54) Dibenzofuran	10.14	168	117627	3.95	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampleId :

MW-4

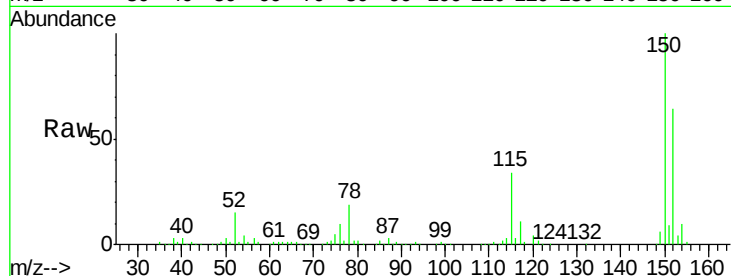
Tgt Ion:152 Resp: 164046

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

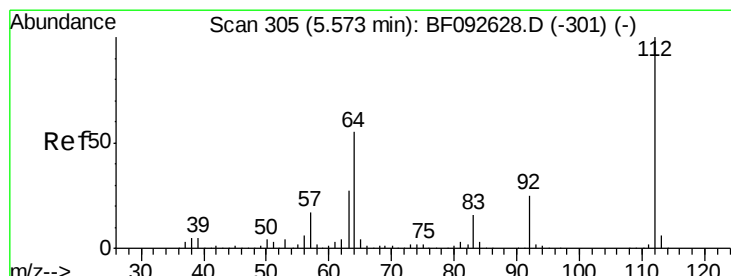
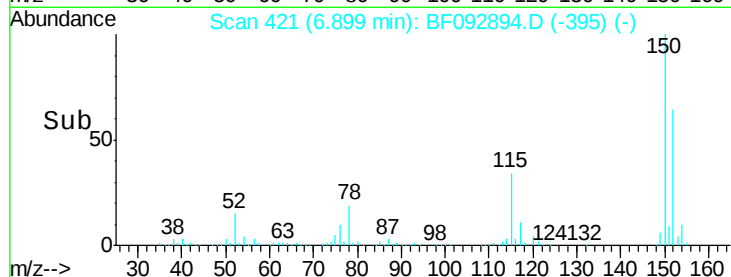
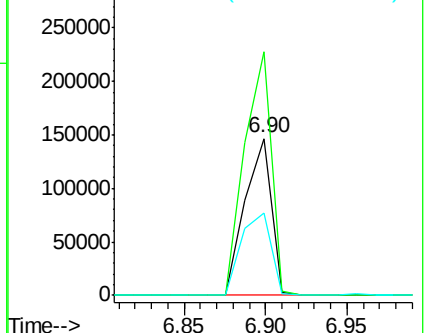
115 52.2 46.0 69.0



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: 63.80 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

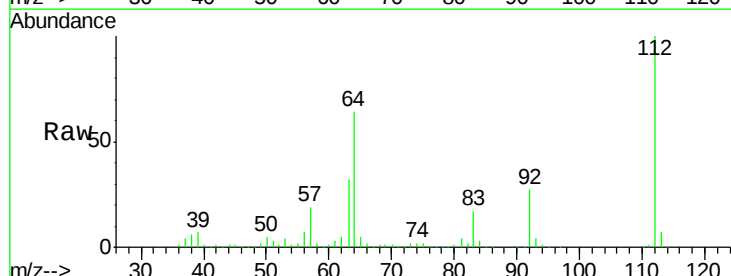
Tgt Ion:112 Resp: 610007

Ion Ratio Lower Upper

112 100

64 64.3 46.1 69.1

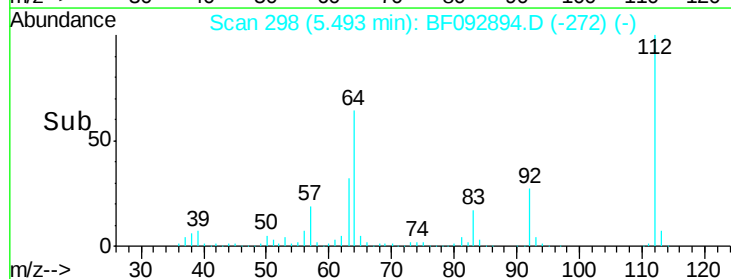
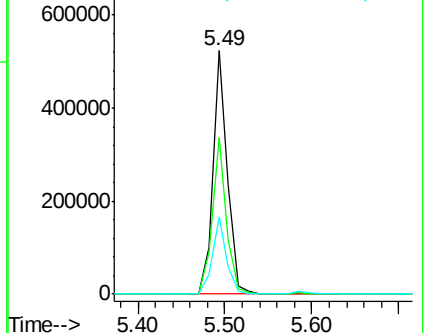
63 31.9 23.8 35.6

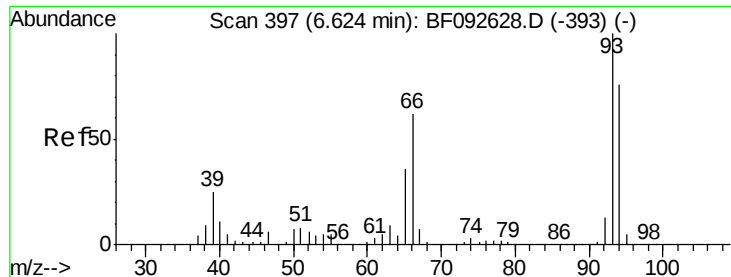


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.58 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampled :

MW-4

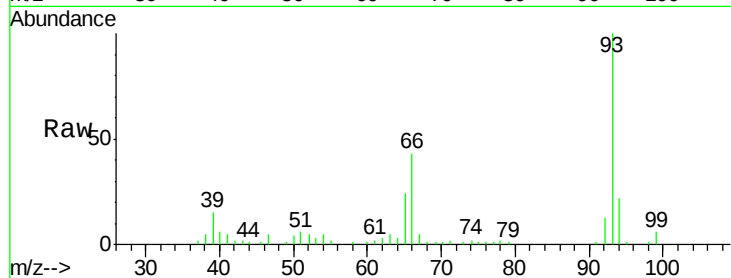
Tgt Ion: 93 Resp: 60110

Ion Ratio Lower Upper

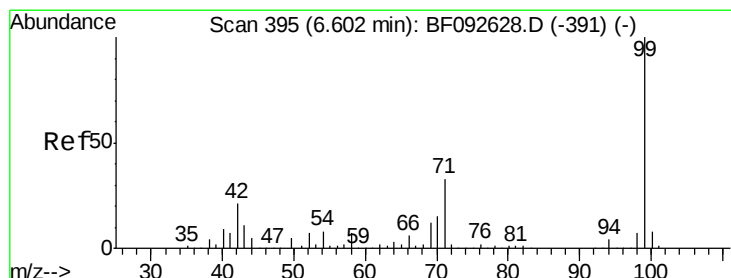
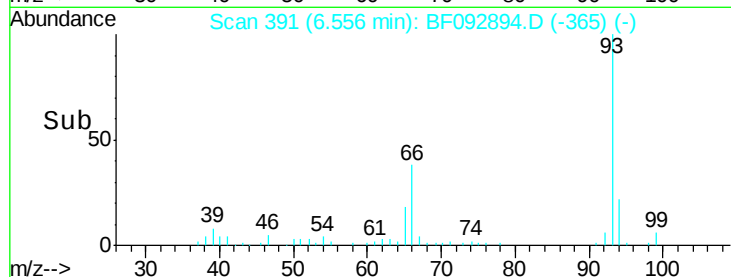
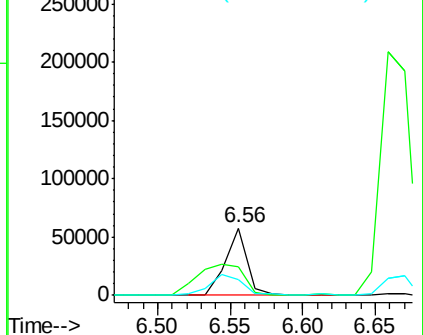
93 100

66 42.6 76.2 114.2#

65 23.5 49.3 73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 40.70 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

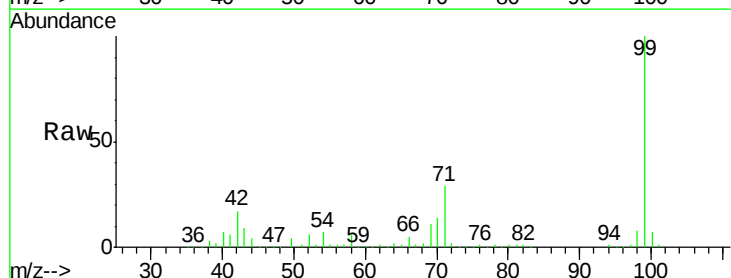
Tgt Ion: 99 Resp: 500729

Ion Ratio Lower Upper

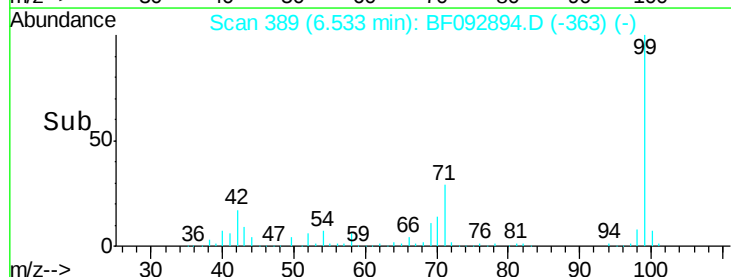
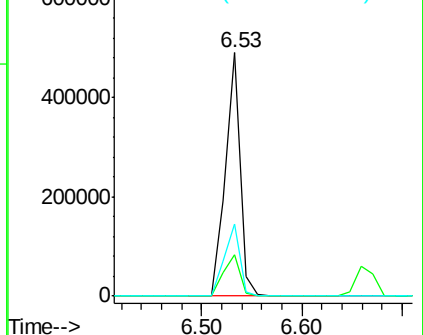
99 100

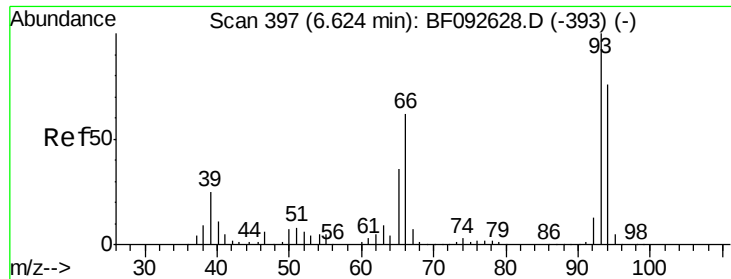
42 17.1 15.6 23.4

71 29.4 27.5 41.3



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





#10

Phenol

Concen: 3.15 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampleId :

MW-4

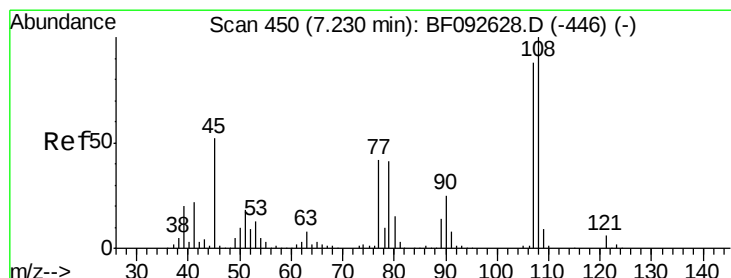
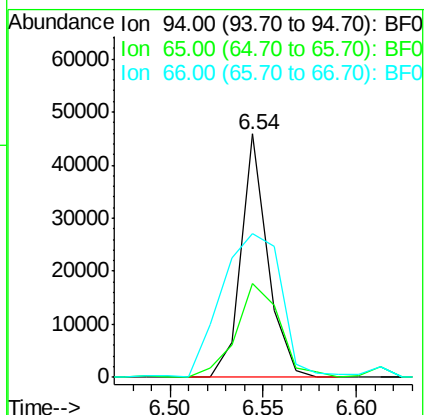
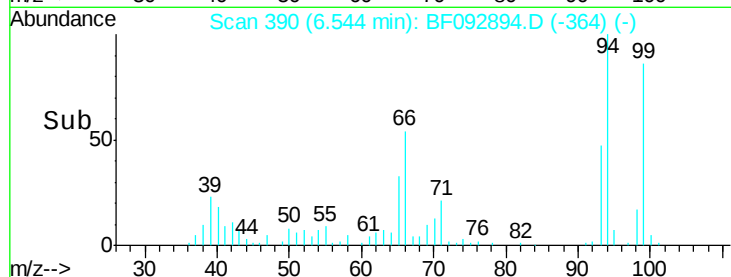
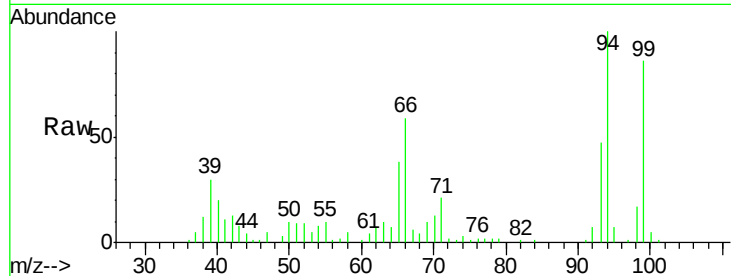
Tgt Ion: 94 Resp: 45405

Ion Ratio Lower Upper

94 100

65 38.4 21.4 61.4

66 58.9 44.0 84.0



#17

2-Methylphenol

Concen: 2.28 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Tgt Ion: 107 Resp: 20615

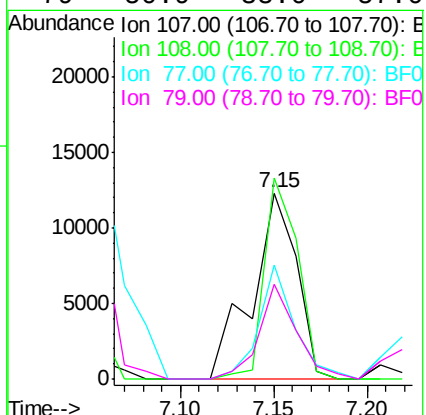
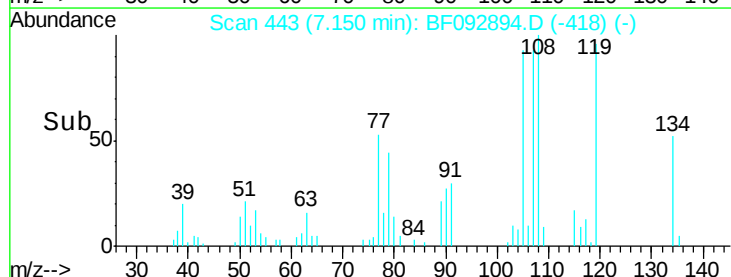
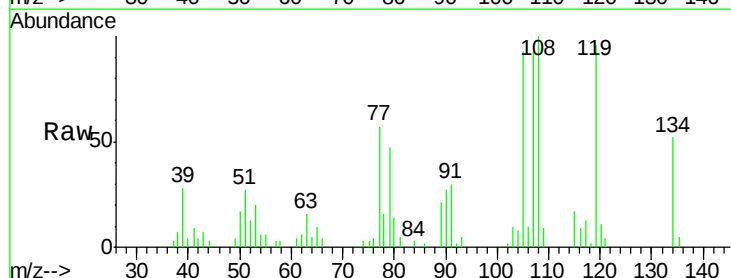
Ion Ratio Lower Upper

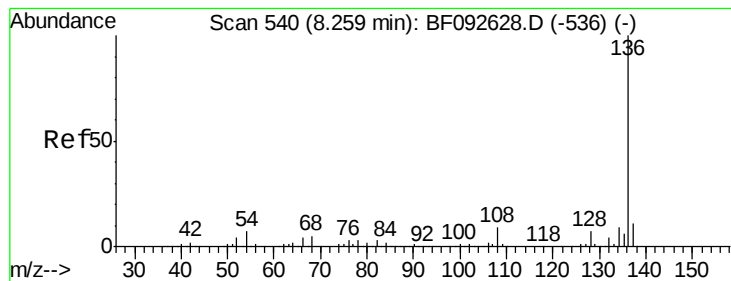
107 100

108 108.0 93.0 139.6

77 61.3 39.8 59.8#

79 50.9 38.0 57.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampleId :

MW-4

Tgt Ion:136 Resp: 662734

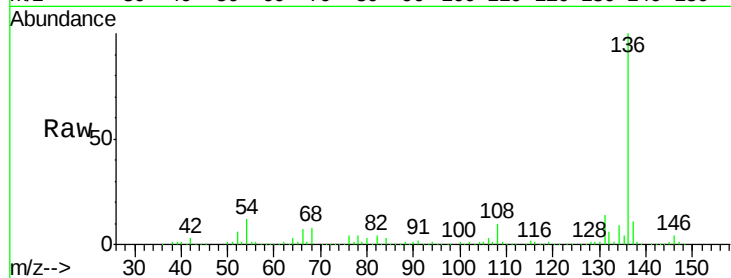
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 11.7 4.5 6.7#

68 8.1 3.6 5.4#

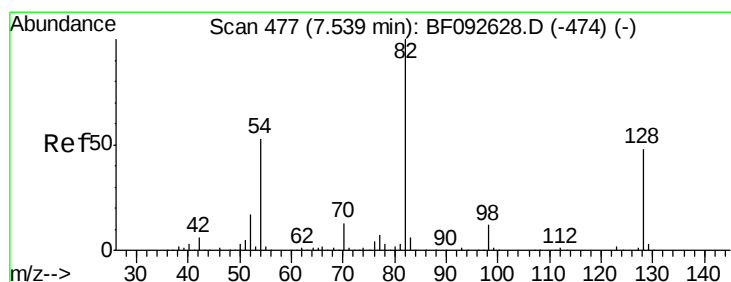
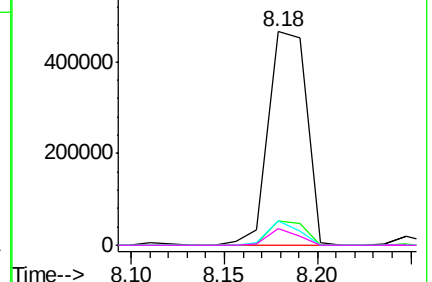
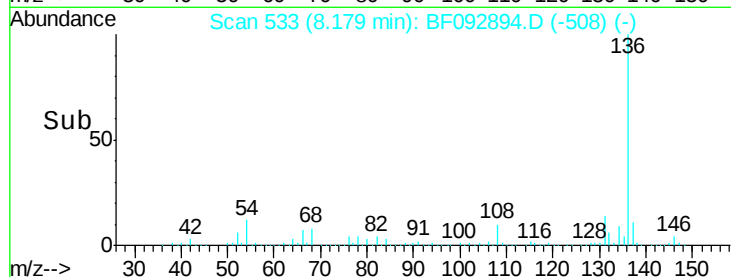


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.96 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

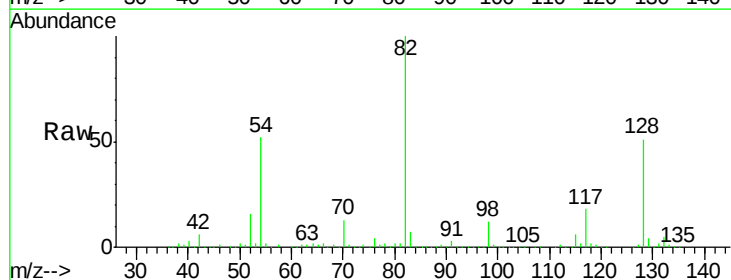
Tgt Ion: 82 Resp: 1106282

Ion Ratio Lower Upper

82 100

128 50.6 34.6 52.0

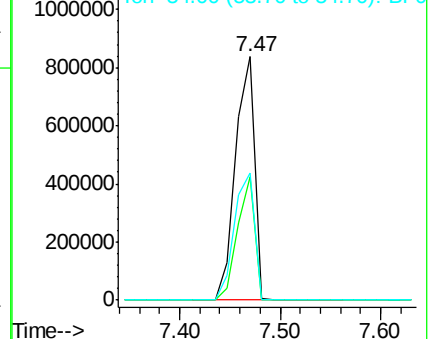
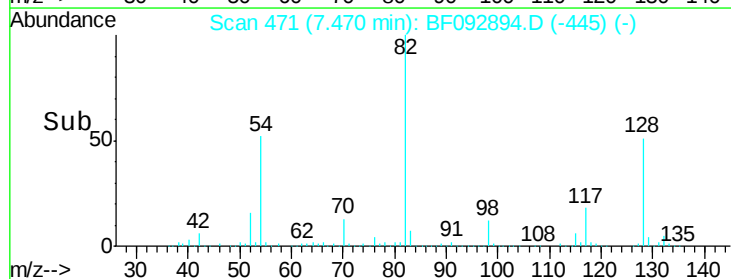
54 52.2 39.5 59.3

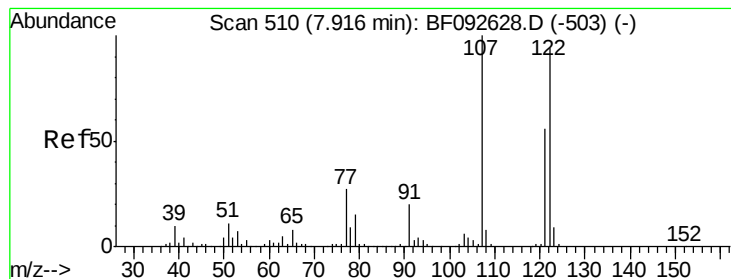


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.48 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampled :

MW-4

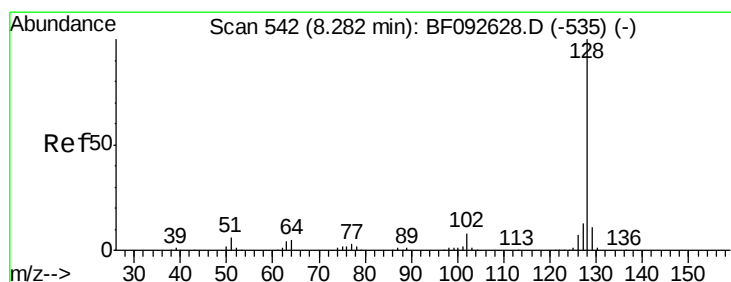
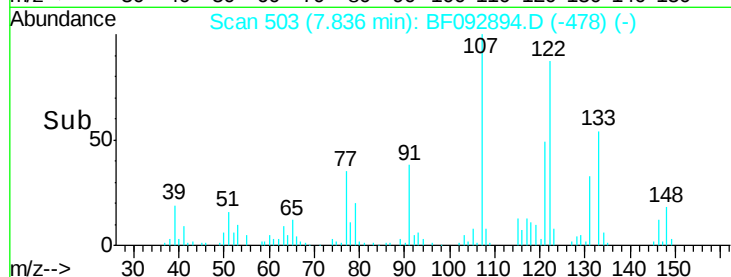
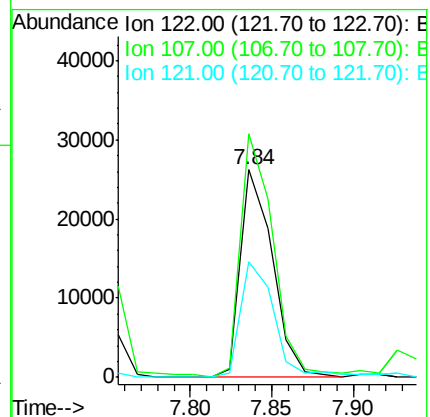
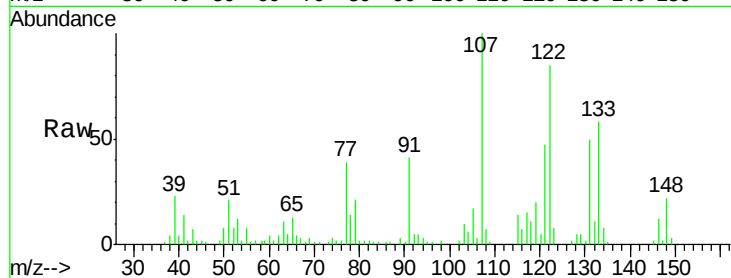
Tgt Ion:122 Resp: 35461

Ion Ratio Lower Upper

122 100

107 117.5 94.1 141.1

121 55.5 46.0 69.0



#31

Naphthalene

Concen: 23.17 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

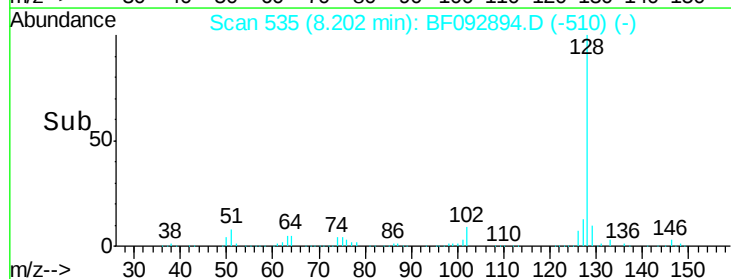
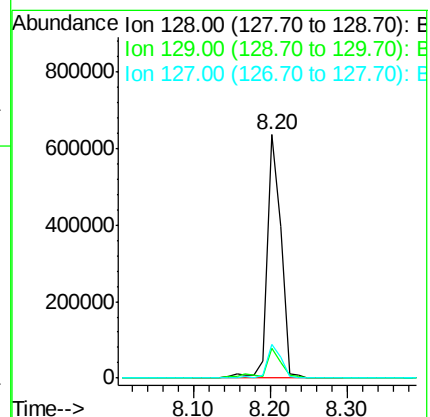
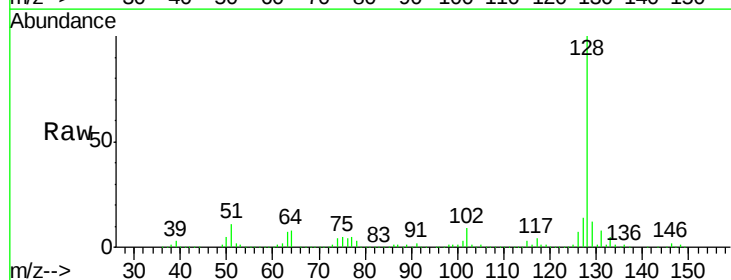
Tgt Ion:128 Resp: 778496

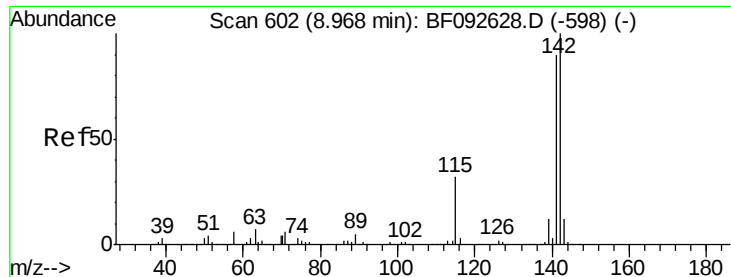
Ion Ratio Lower Upper

128 100

129 12.2 9.5 14.3

127 13.9 10.8 16.2

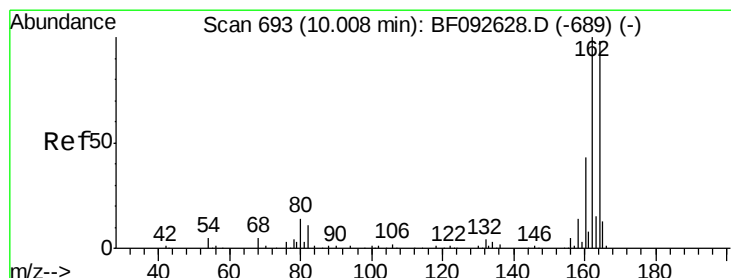
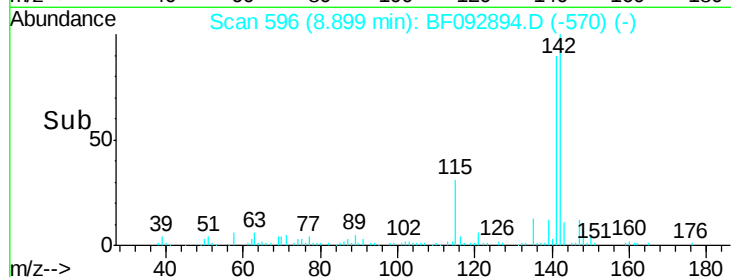
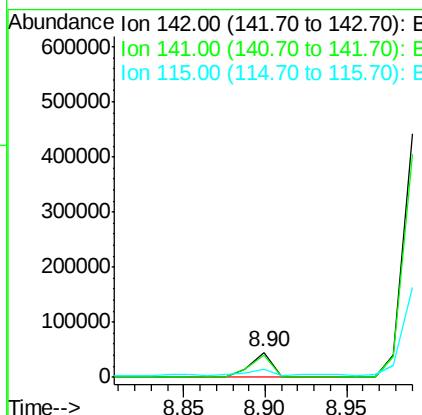
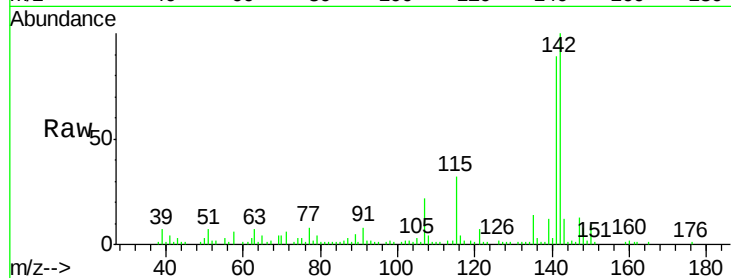




#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF092894.D
Acq: 10 Feb 2017 20:23

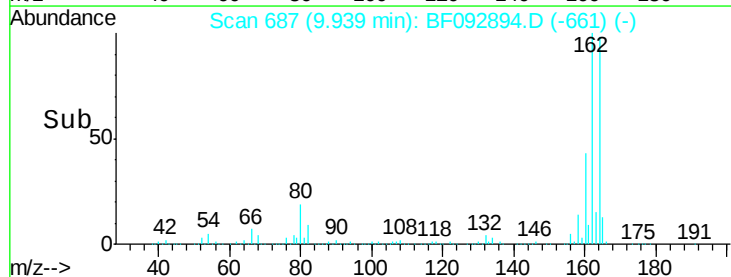
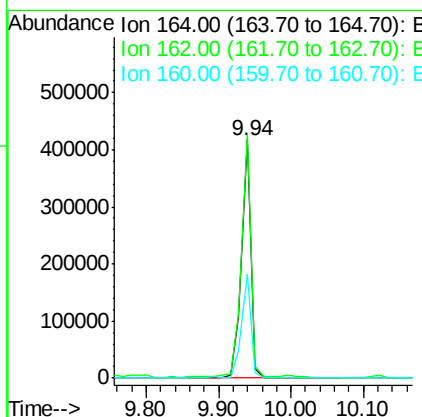
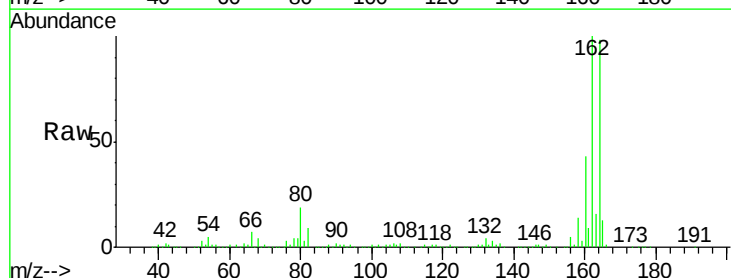
Instrument :
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MW-4

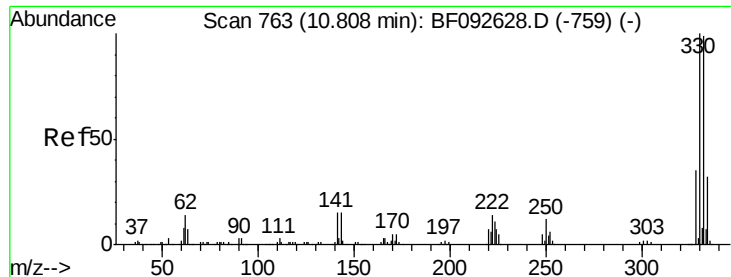
Tgt Ion:142 Resp: 43697
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6
115 32.3 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF092894.D
Acq: 10 Feb 2017 20:23

Tgt Ion:164 Resp: 380877
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 43.4 36.9 55.3

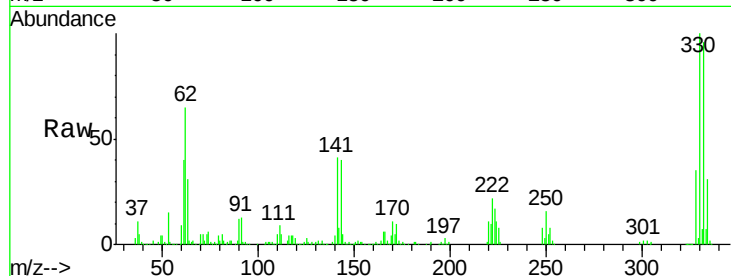




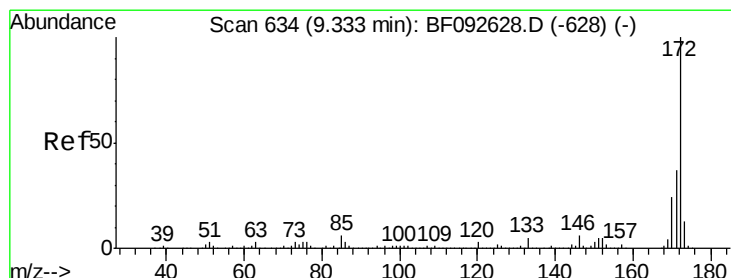
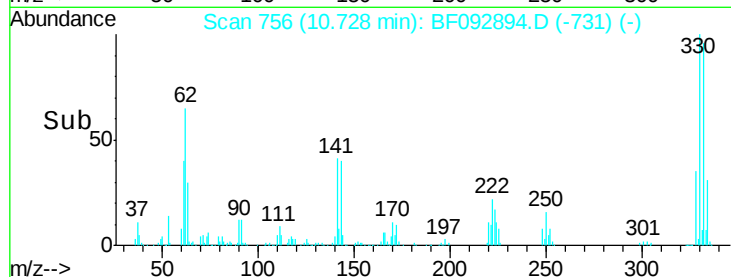
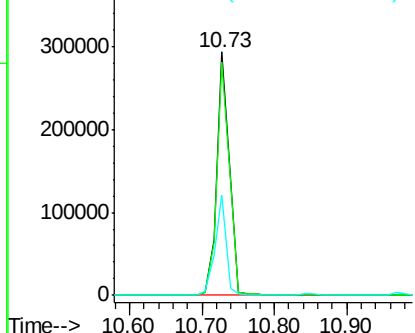
#41
 2,4,6-Tribromophenol
 Concen: 128.14 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF092894.D
 Acq: 10 Feb 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:330 Resp: 353003
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 35.9 34.1 51.1

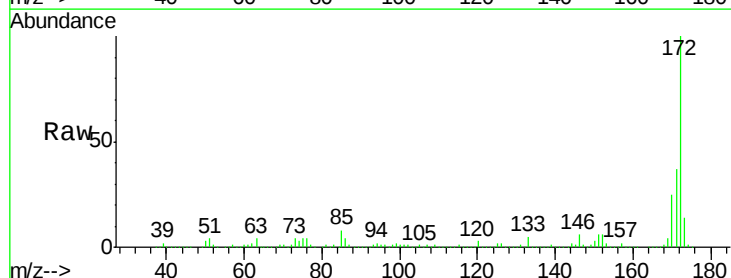


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

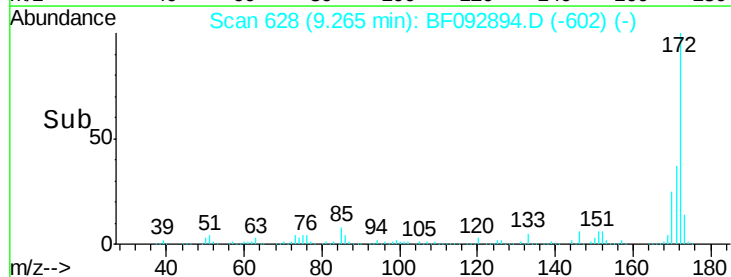
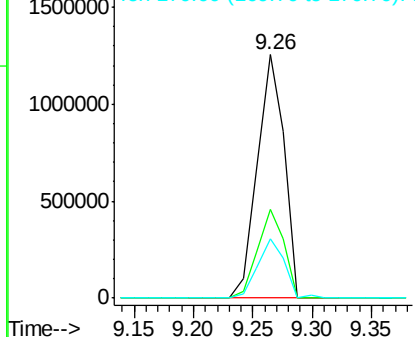


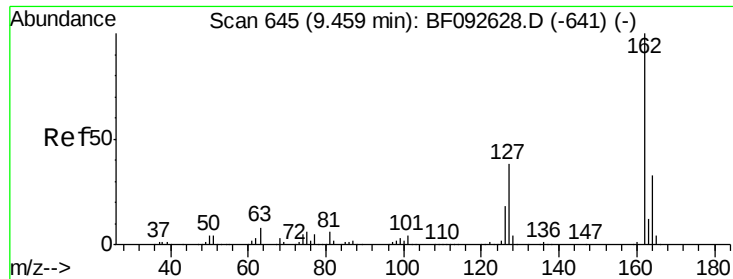
#44
 2-Fluorobiphenyl
 Concen: 94.06 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF092894.D
 Acq: 10 Feb 2017 20:23

Tgt Ion:172 Resp: 1977557
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.5 20.2 30.4



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

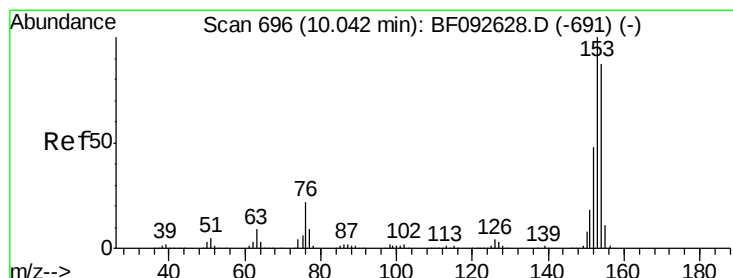
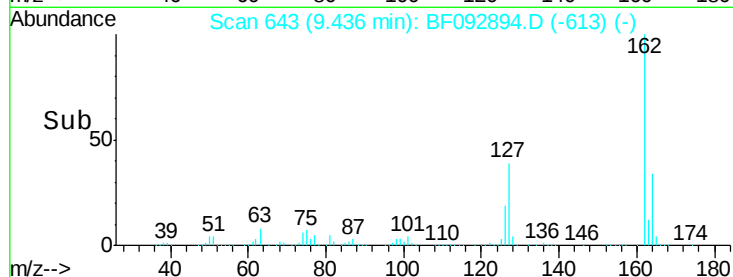
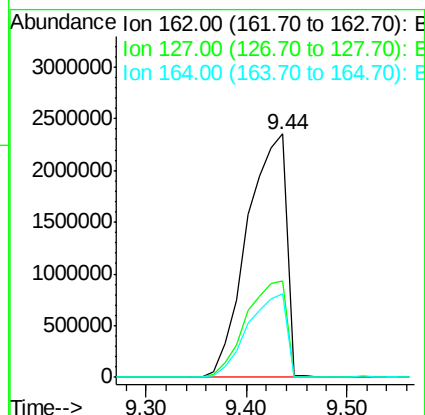
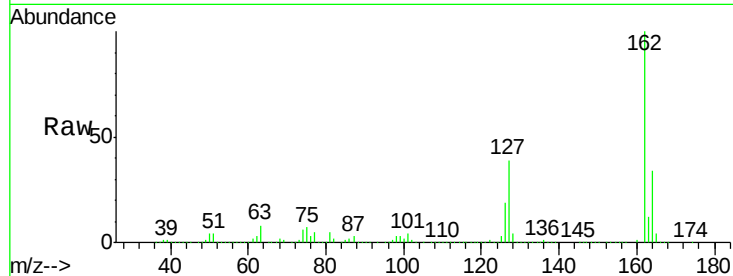




#46
 2-Chloronaphthalene
 Concen: 294.84 ng
 RT: 9.44 min Scan# 643
 Delta R.T. 0.05 min
 Lab File: BF092894.D
 Acq: 10 Feb 2017 20:23

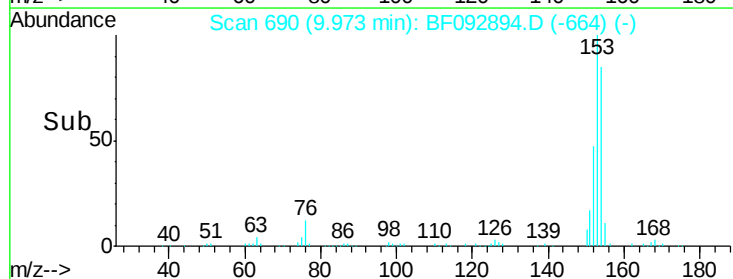
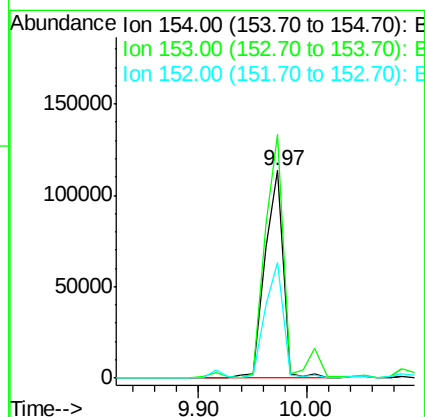
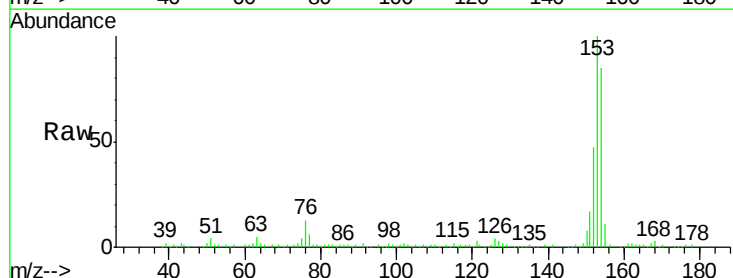
Instrument :
 BNA_F
 ClientSampleId :
 MW-4

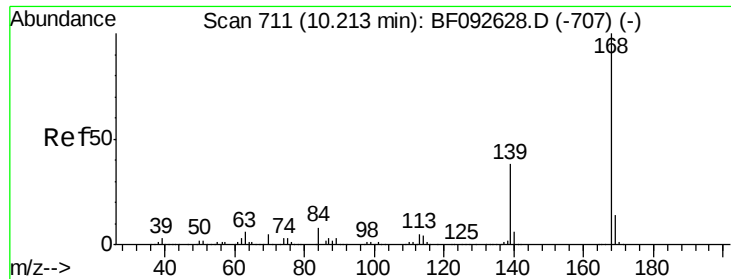
Tgt Ion:162 Resp: 6361085
 Ion Ratio Lower Upper
 162 100
 127 39.4 30.7 46.1
 164 34.3 27.6 41.4



#51
 Acenaphthene
 Concen: 6.00 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF092894.D
 Acq: 10 Feb 2017 20:23

Tgt Ion:154 Resp: 133758
 Ion Ratio Lower Upper
 154 100
 153 117.3 88.6 133.0
 152 55.7 41.6 62.4

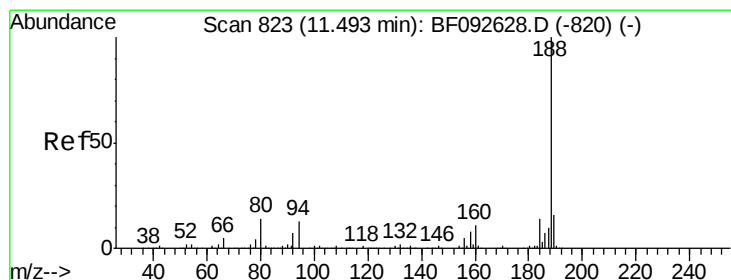
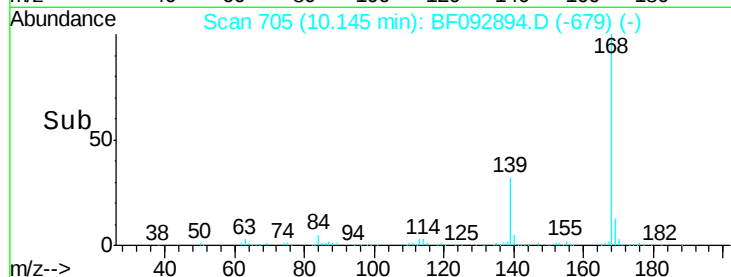
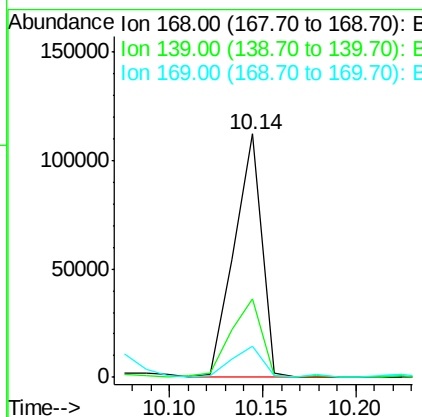
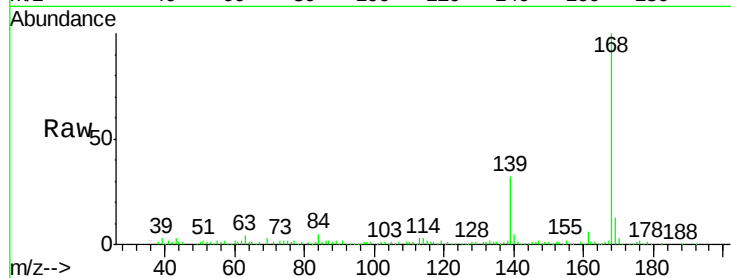




#54
Dibenzenofuran
Concen: 3.95 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.00 min
Lab File: BF092894.D
Acq: 10 Feb 2017 20:23

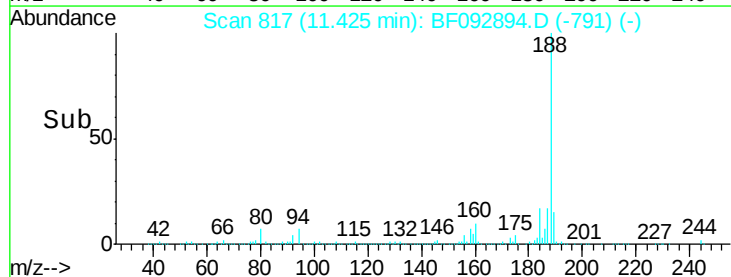
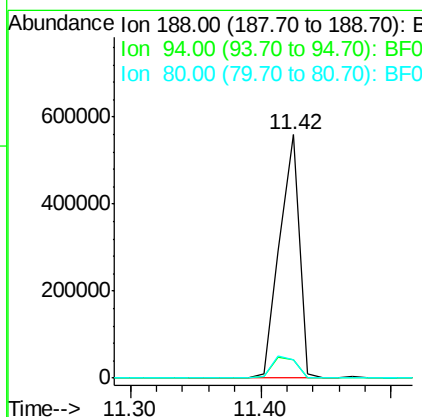
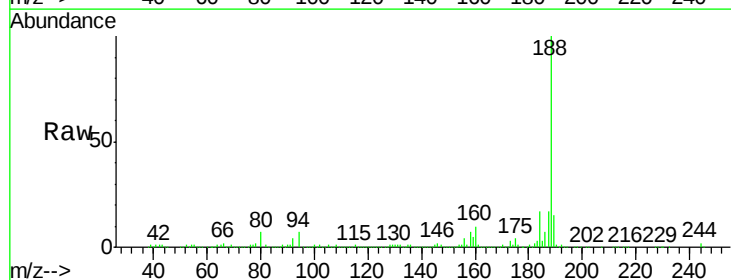
Instrument :
BNA_F
ClientSampled :
MW-4

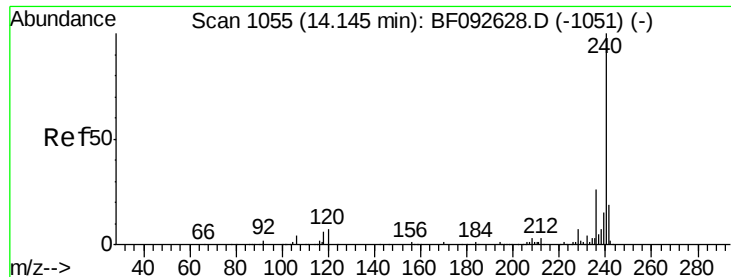
Tgt Ion:168 Resp: 117627
Ion Ratio Lower Upper
168 100
139 32.0 32.6 49.0#
169 12.5 11.3 16.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF092894.D
Acq: 10 Feb 2017 20:23

Tgt Ion:188 Resp: 600443
Ion Ratio Lower Upper
188 100
94 7.3 10.0 15.0#
80 7.4 11.2 16.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

Instrument :

BNA_F

ClientSampleId :

MW-4

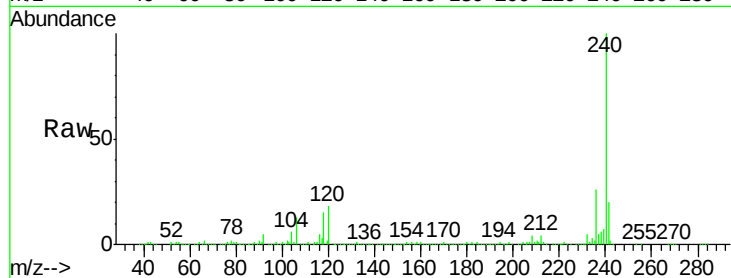
Tgt Ion:240 Resp: 478552

Ion Ratio Lower Upper

240 100

120 17.7 12.9 19.3

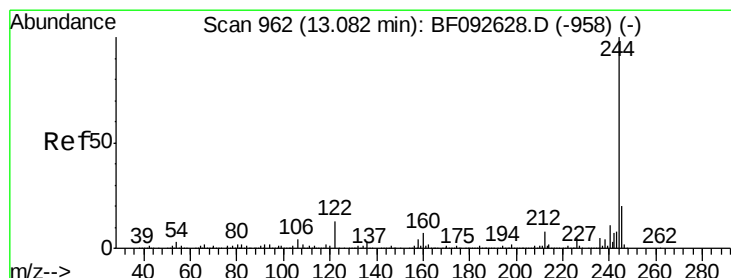
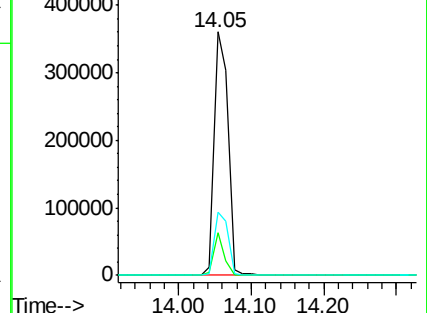
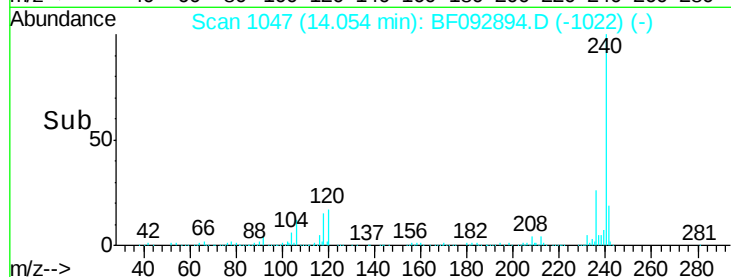
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 74.02 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF092894.D

Acq: 10 Feb 2017 20:23

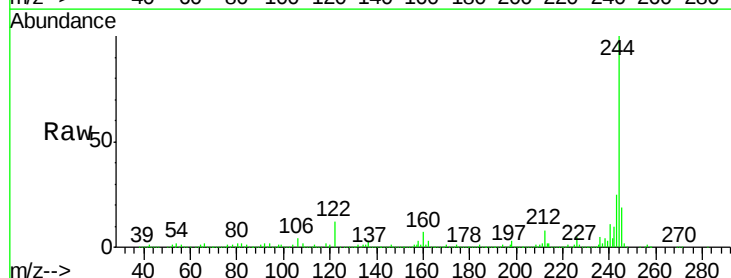
Tgt Ion:244 Resp: 1507621

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

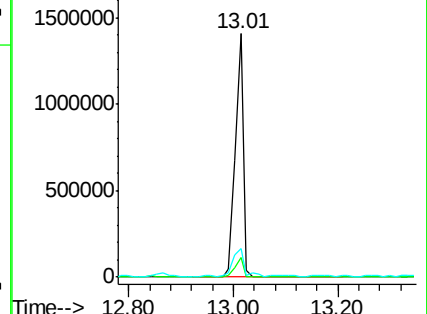
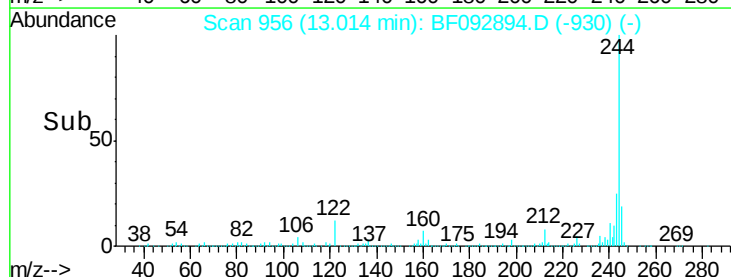
122 11.7 11.4 17.2

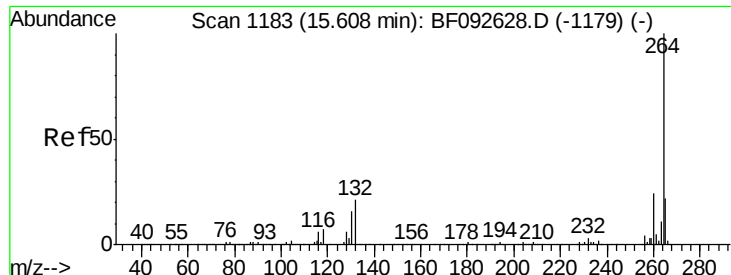


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF092894.D
Acq: 10 Feb 2017 20:23

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion: 264 Resp: 370079
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.7 17.4 26.0

