

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020317\
 Data File : BF092793.D
 Acq On : 3 Feb 2017 23:28
 Operator : SJ/MA
 Sample : I1685-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-1A

Quant Time: Feb 04 00:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	124883	20.00	ng	-0.05
21) Naphthalene-d8	8.21	136	491257	20.00	ng	-0.05
38) Acenaphthene-d10	9.97	164	282749	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	433523	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	362310	20.00	ng	-0.05
86) Perylene-d12	15.57	264	310740	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1019710	140.09	ng	-0.04
7) Phenol-d6	6.57	99	1246603	133.10	ng	-0.03
23) Nitrobenzene-d5	7.49	82	892753	101.20	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	324614	158.73	ng	-0.03
44) 2-Fluorobiphenyl	9.29	172	1361196	87.22	ng	-0.05
78) Terphenyl-d14	13.05	244	1205722	78.19	ng	-0.03

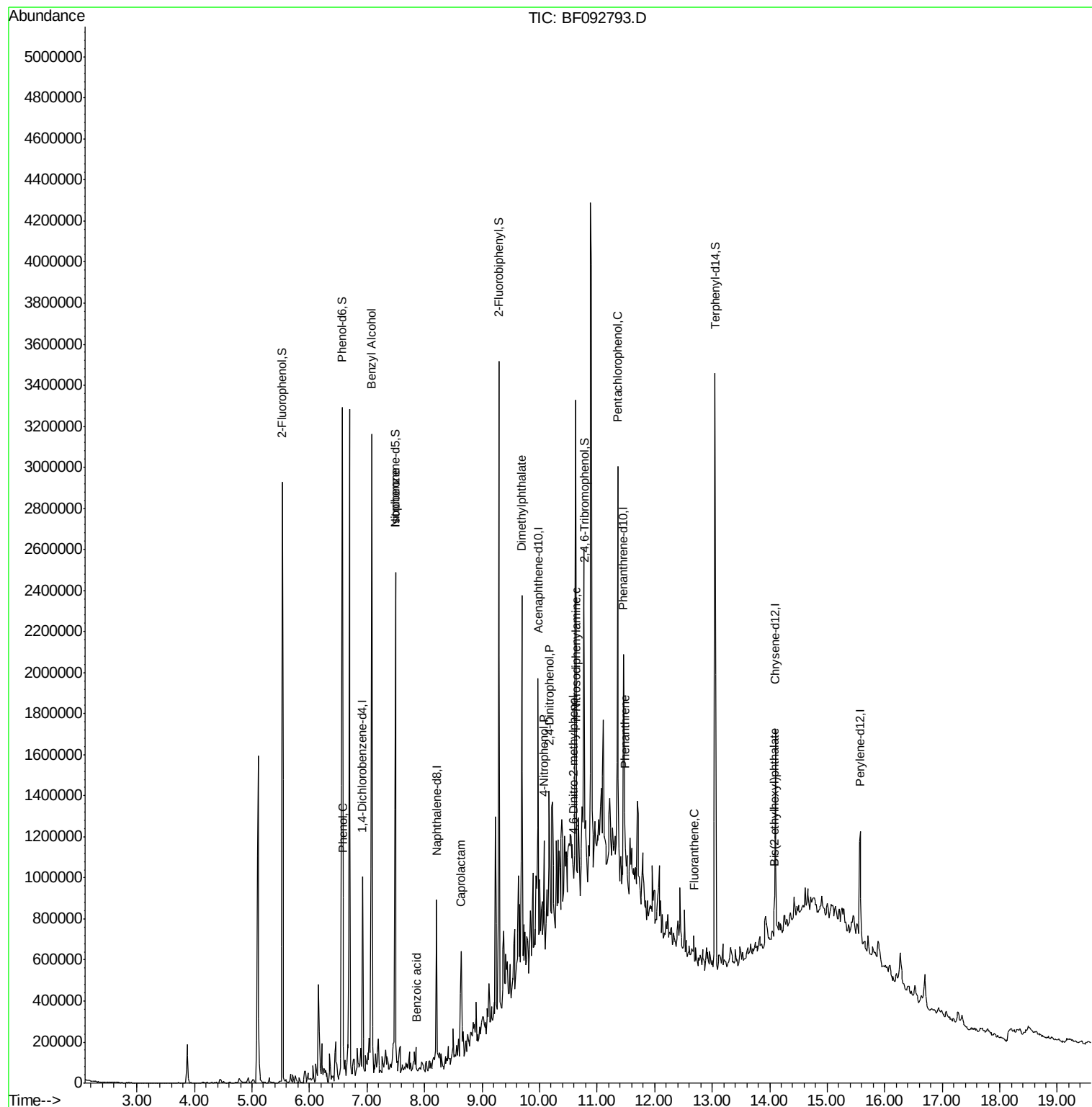
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.58	94	103236	9.42	ng	# 77
15) Benzyl Alcohol	7.08	79	14836	2.14	ng	# 38
25) Isophorone	7.49	82	864847	52.61	ng	# 65
32) Benzoic acid	7.86	122	855	7.34	ng	# 87
35) Caprolactam	8.64	113	18135	8.17	ng	# 19
49) Dimethylphthalate	9.69	163	128994	6.77	ng	# 99
53) 2,4-Dinitrophenol	10.17	184	515	4.97	ng	# 1
55) 4-Nitrophenol	10.08	139	10853	3.20	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.59	198	719	2.93	ng	# 1
65) n-Nitrosodiphenylamine	10.64	169	127782	9.23	ng	# 43
69) Pentachlorophenol	11.36	266	215	7.29	ng	# 16
70) Phenanthrene	11.48	178	123333	4.97	ng	# 93
74) Fluoranthene	12.68	202	53901	2.10	ng	# 92
83) Bis(2-ethylhexyl)phthalate	14.08	149	42485	2.82	ng	# 96

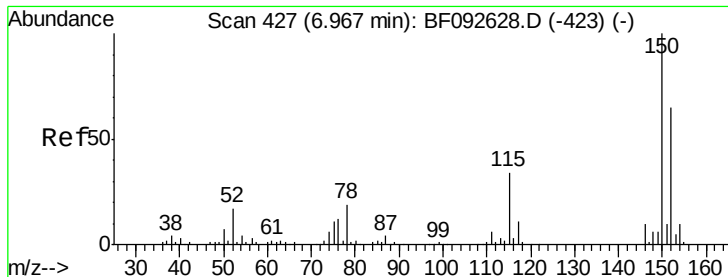
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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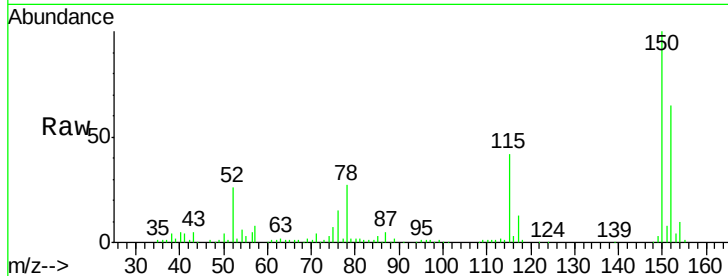


#1

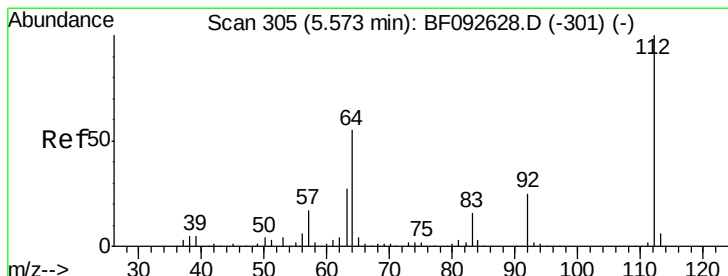
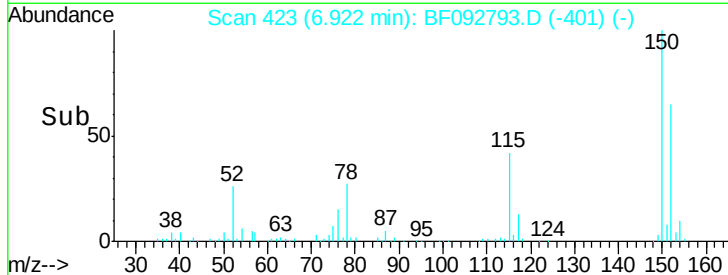
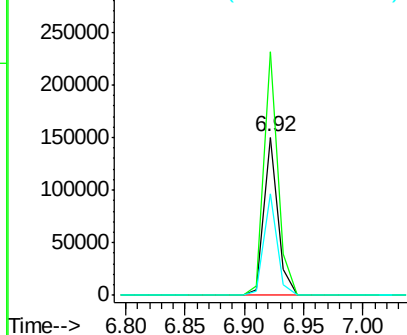
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.05 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Instrument :
 BNA_F
 ClientSampleId :
 N-1A

Tgt Ion:152 Resp: 124883
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.9 187.3
 115 63.9 46.0 69.0



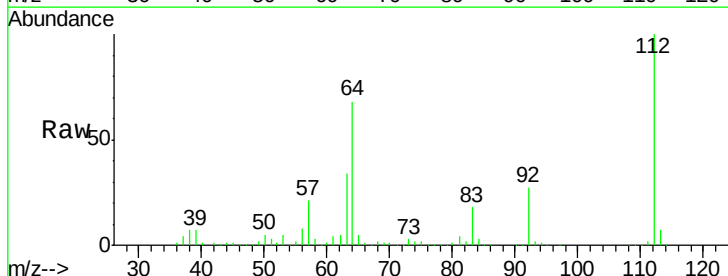
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



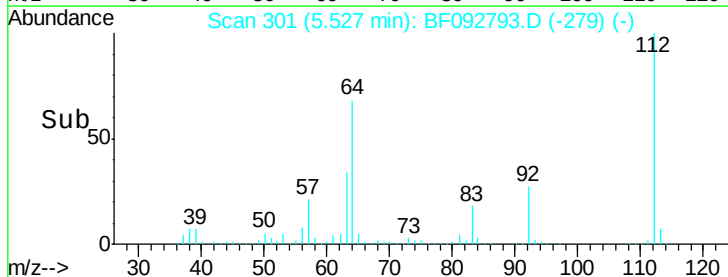
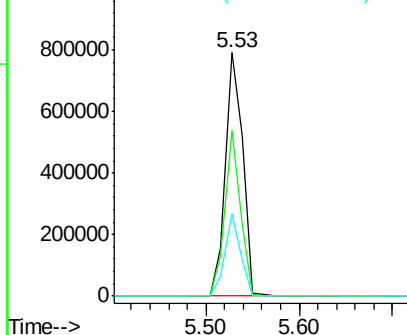
#5

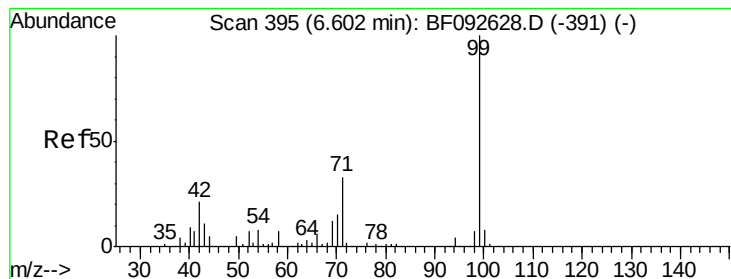
2-Fluorophenol
 Concen: 140.09 ng
 RT: 5.53 min Scan# 301
 Delta R.T. -0.04 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Tgt Ion:112 Resp: 1019710
 Ion Ratio Lower Upper
 112 100
 64 68.0 46.1 69.1
 63 33.9 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





#7

Phenol-d6

Concen: 133.10 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Instrument :

BNA_F

ClientSampled :

N-1A

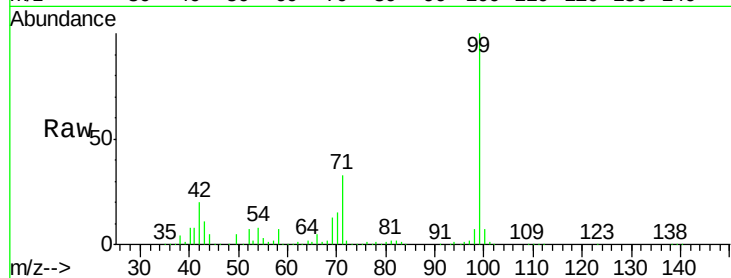
Tgt Ion: 99 Resp: 1246603

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

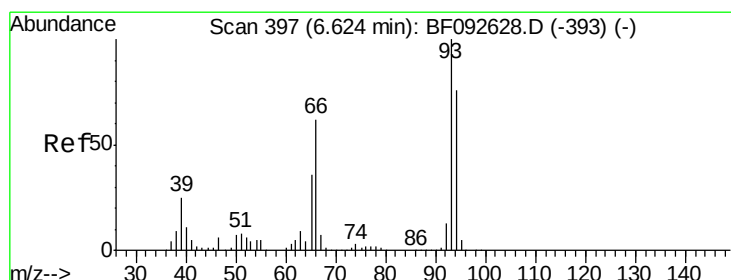
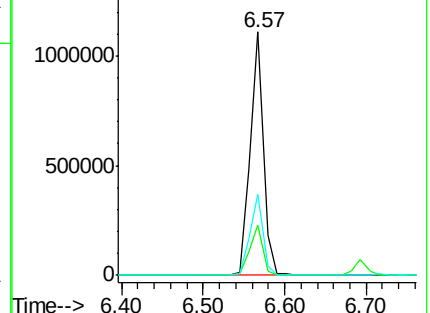
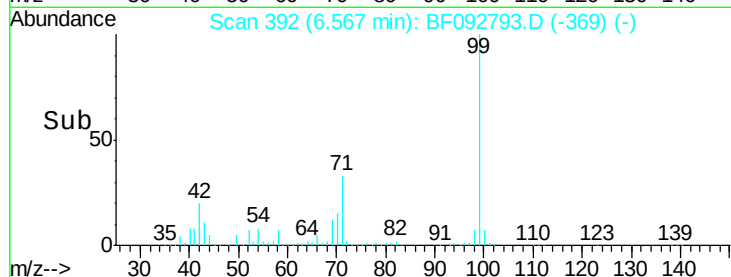
71 33.0 27.5 41.3



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: 9.42 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

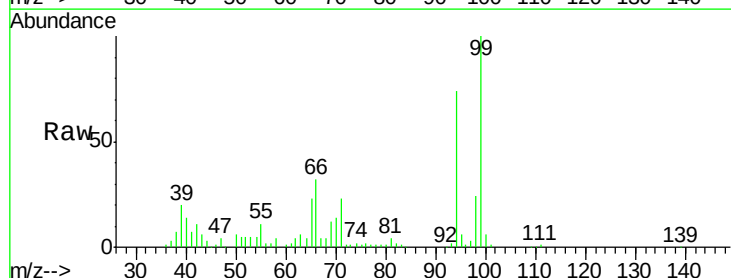
Tgt Ion: 94 Resp: 103236

Ion Ratio Lower Upper

94 100

65 30.7 21.4 61.4

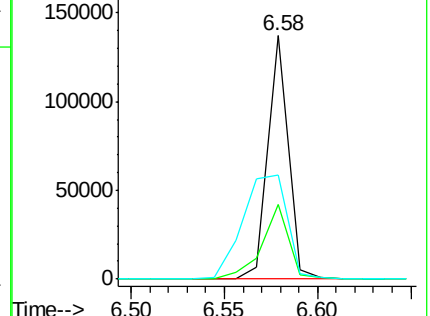
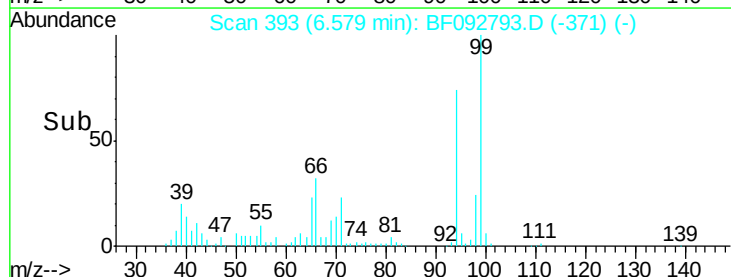
66 42.7 44.0 84.0#

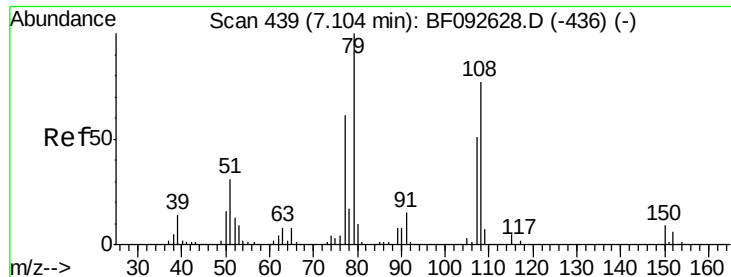


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

N-1A

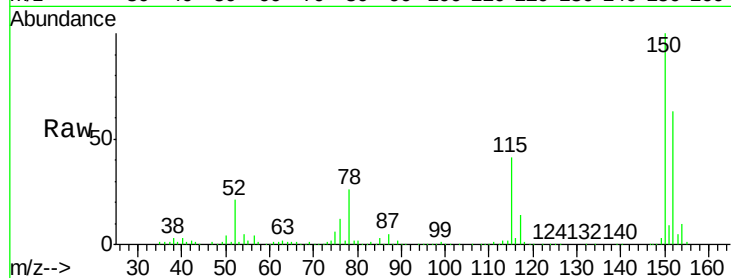
Tgt Ion: 79 Resp: 14836

Ion Ratio Lower Upper

79 100

108 25.3 61.4 92.0#

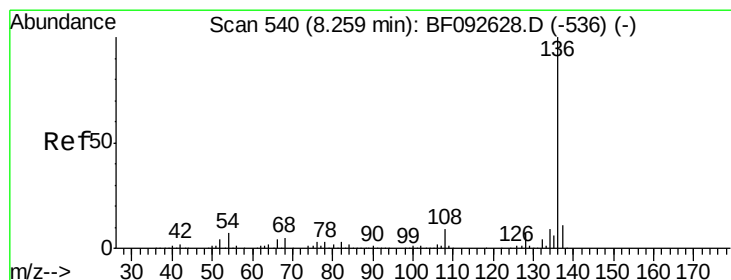
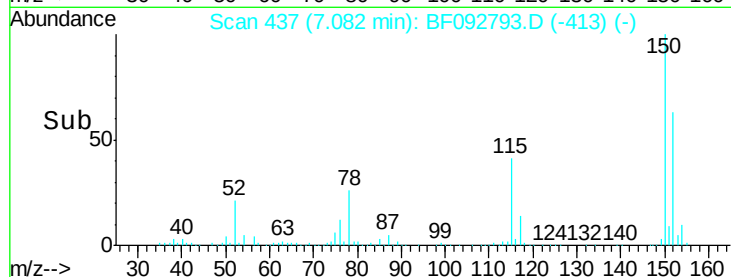
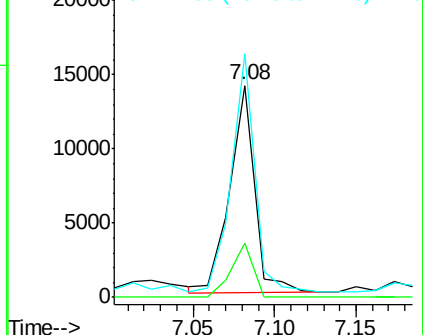
77 114.9 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.05 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Tgt Ion: 136 Resp: 491257

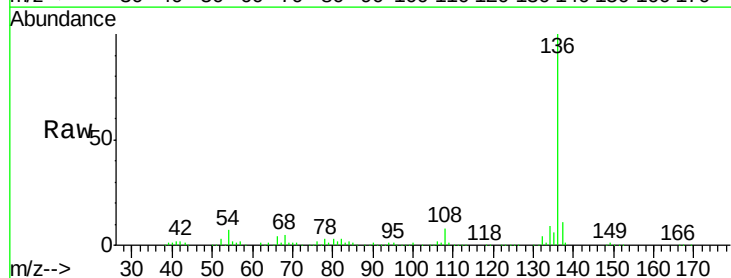
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 6.5 4.5 6.7

68 4.8 3.6 5.4

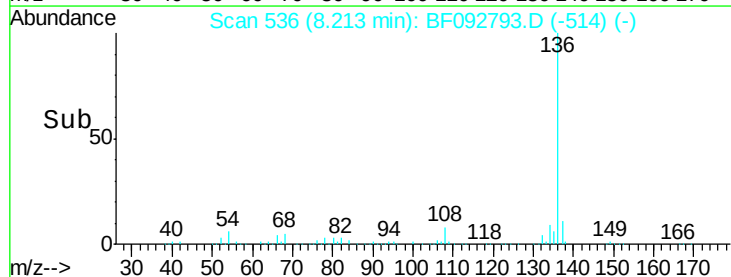
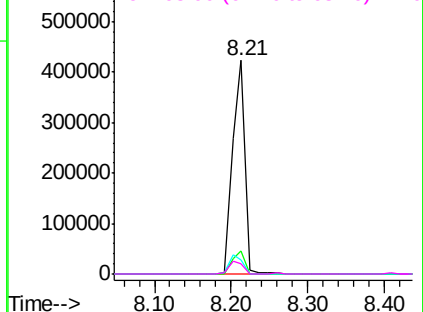


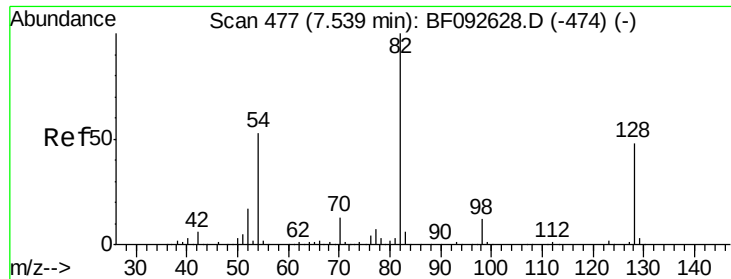
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

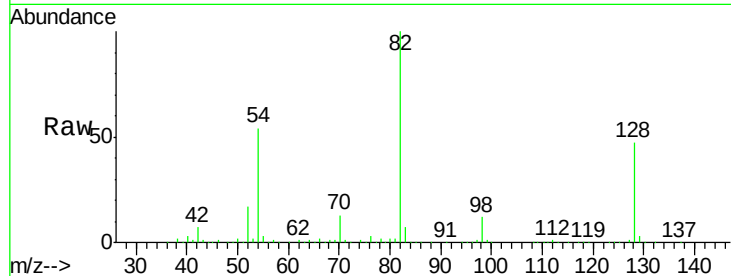




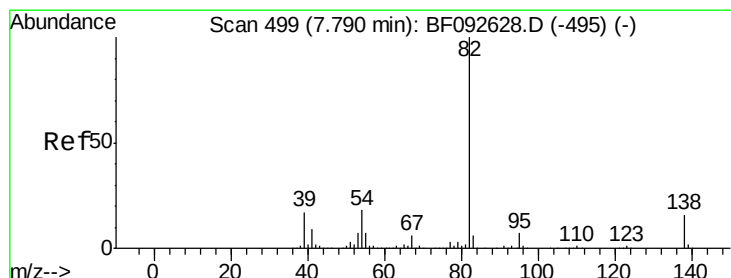
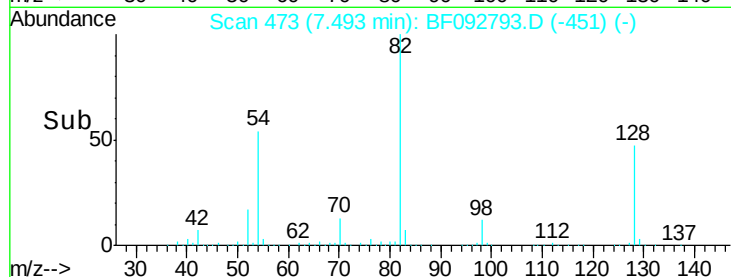
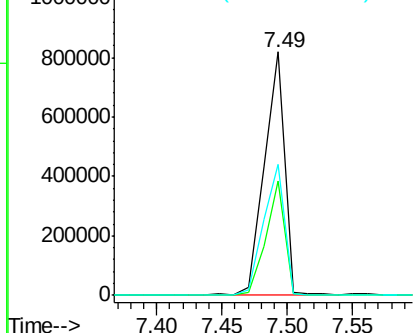
#23
 Nitrobenzene-d5
 Concen: 101.20 ng
 RT: 7.49 min Scan# 473
 Delta R.T. -0.05 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Instrument :
 BNA_F
 ClientSampleId :
 N-1A

Tgt Ion: 82 Resp: 892753
 Ion Ratio Lower Upper
 82 100
 128 47.2 34.6 52.0
 54 53.9 39.5 59.3

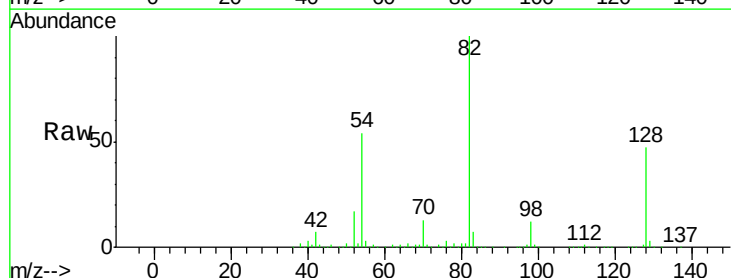


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

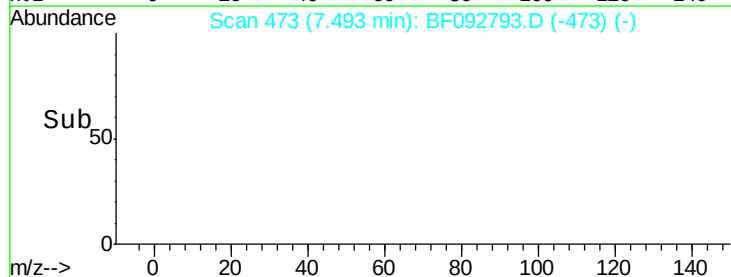
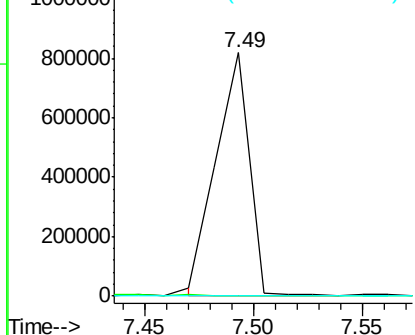


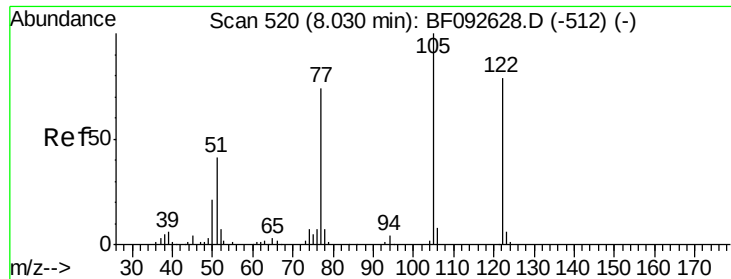
#25
 Isophorone
 Concen: 52.61 ng
 RT: 7.49 min Scan# 473
 Delta R.T. -0.30 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Tgt Ion: 82 Resp: 864847
 Ion Ratio Lower Upper
 82 100
 95 0.4 5.6 8.4#
 138 0.0 14.6 22.0#



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

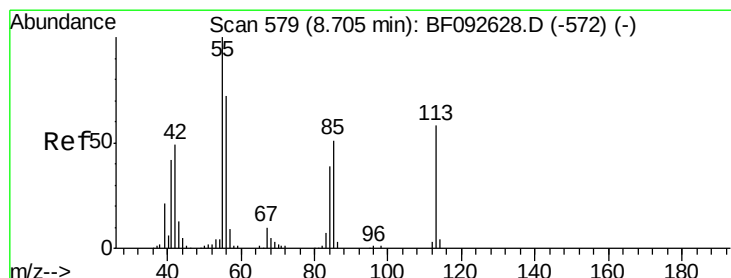
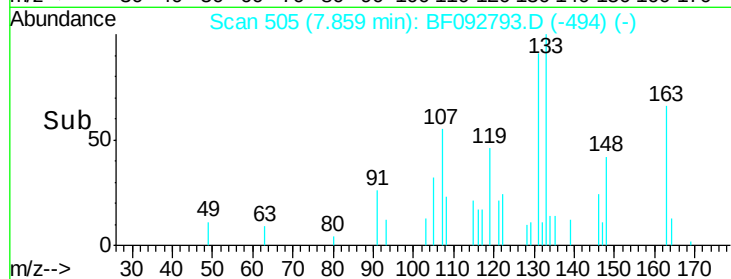
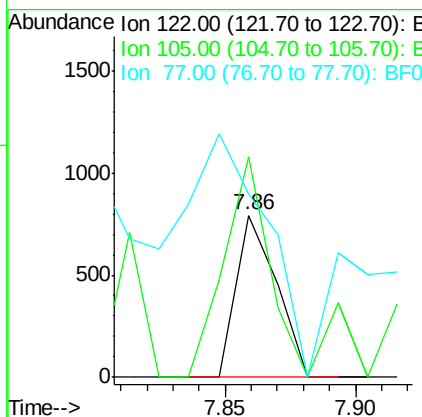
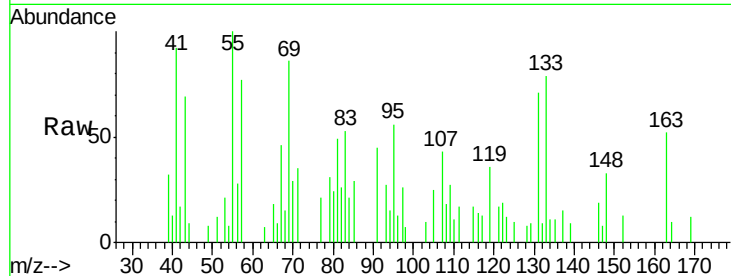




#32
Benzoic acid
Concen: 7.34 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.17 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

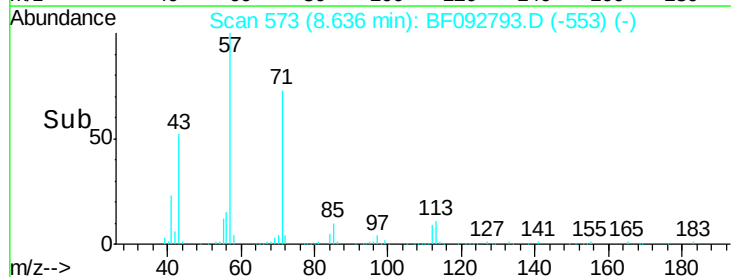
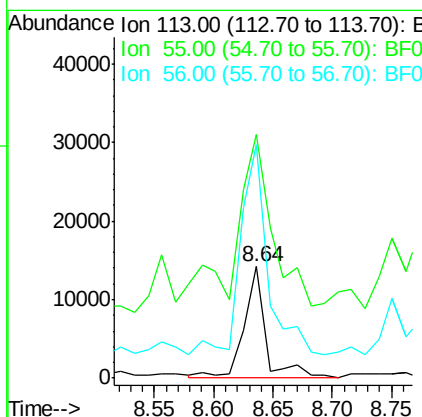
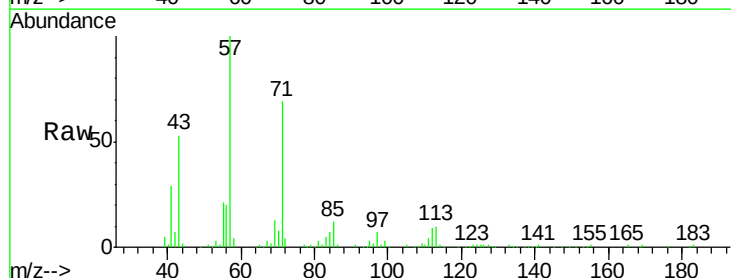
Instrument :
BNA_F
ClientSampleId :
N-1A

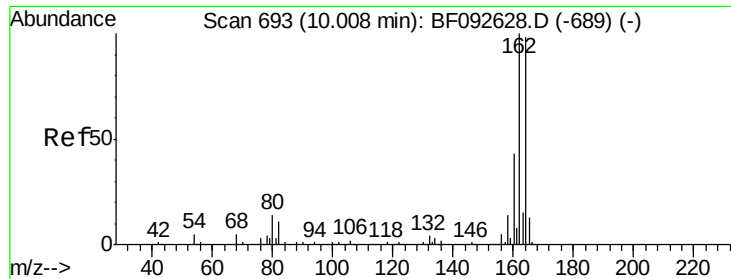
Tgt Ion:122 Resp: 855
Ion Ratio Lower Upper
122 100
105 136.2 107.2 147.2
77 113.6 74.5 114.5



#35
Caprolactam
Concen: 8.17 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.07 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

Tgt Ion:113 Resp: 18135
Ion Ratio Lower Upper
113 100
55 218.0 119.2 159.2#
56 208.8 83.8 123.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

N-1A

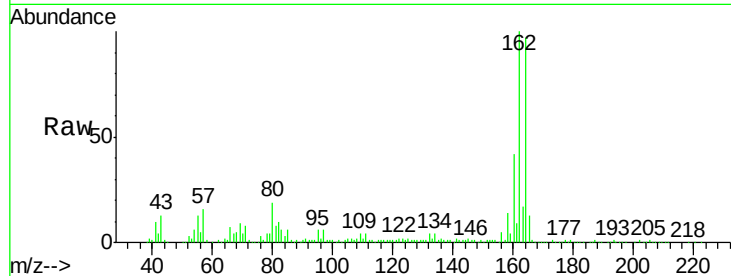
Tgt Ion:164 Resp: 282749

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

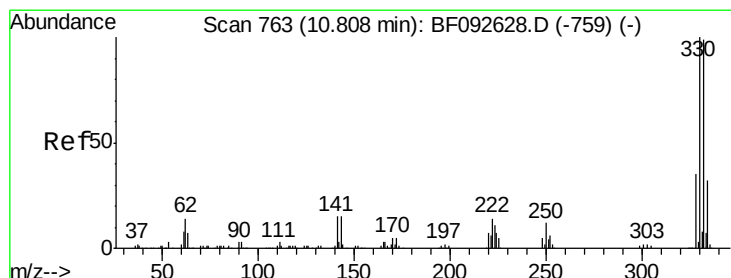
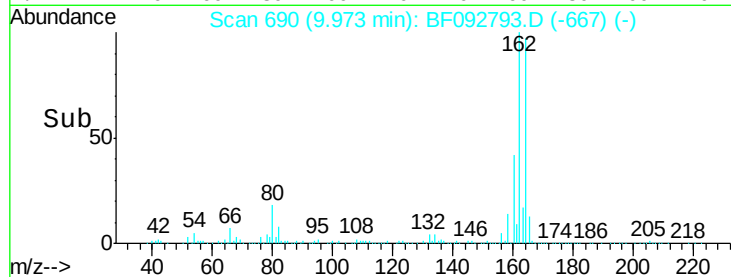
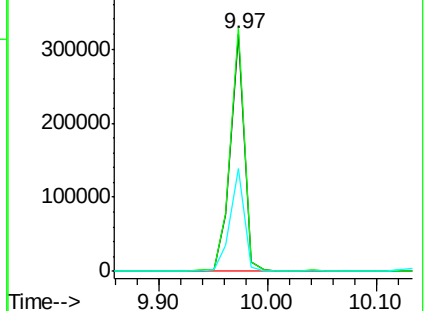
160 43.3 36.9 55.3



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: 158.73 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

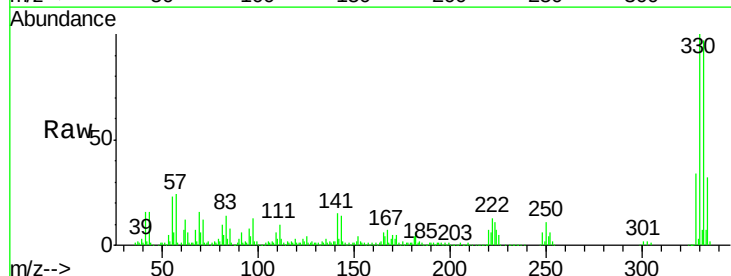
Tgt Ion:330 Resp: 324614

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

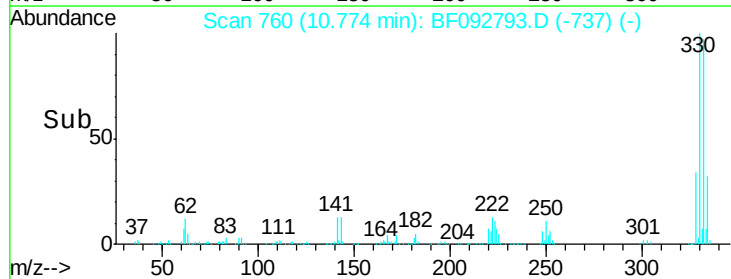
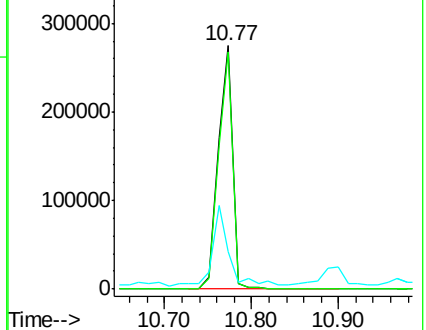
141 37.7 34.1 51.1

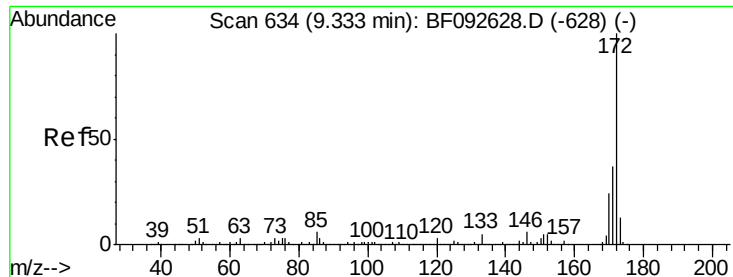


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

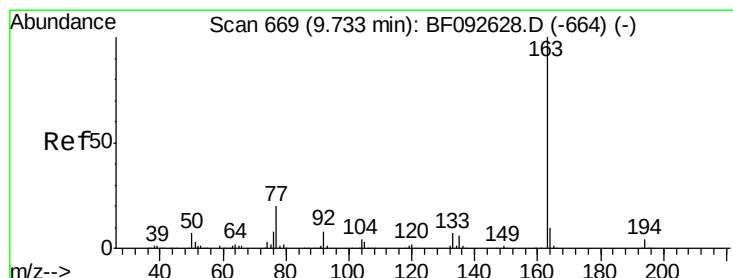
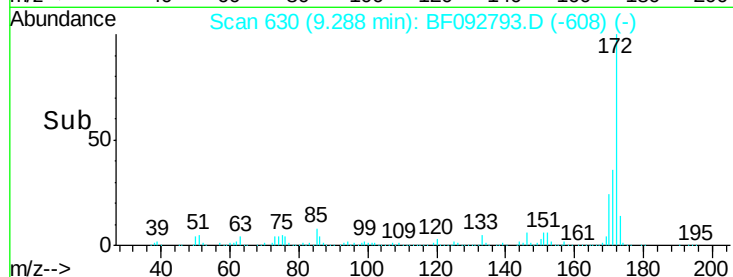
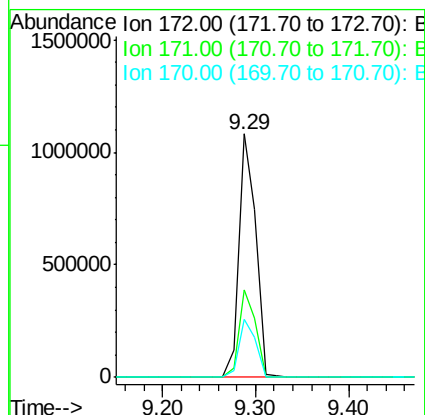
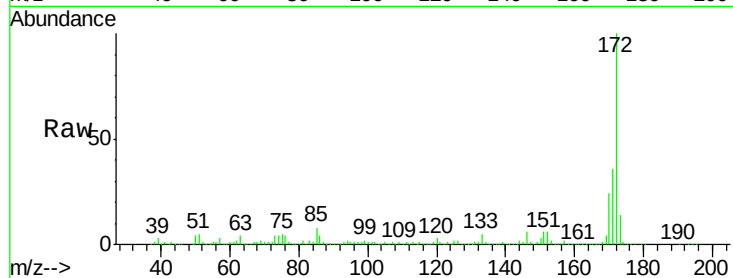




#44
2-Fluorobiphenyl
Concen: 87.22 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.05 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

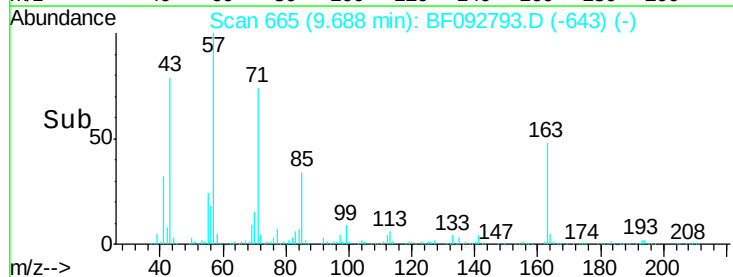
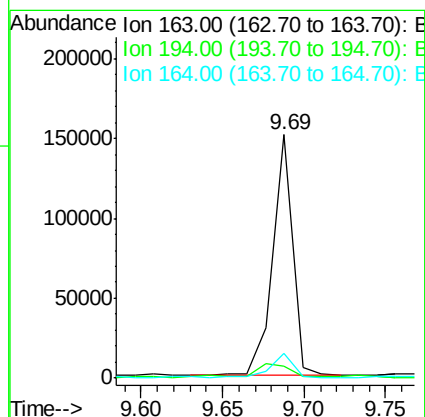
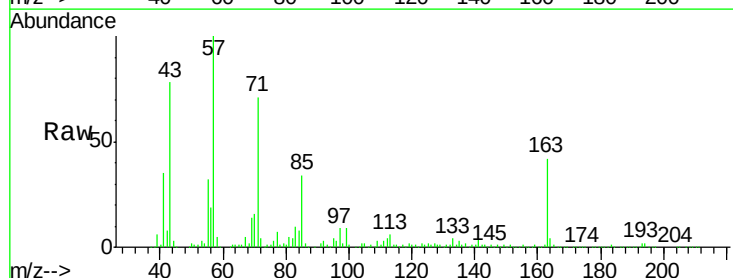
Instrument :
BNA_F
ClientSampleId :
N-1A

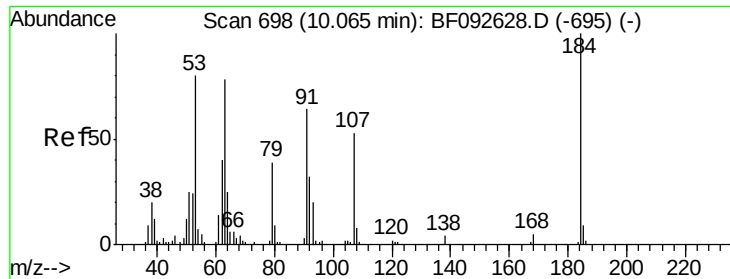
Tgt Ion:172 Resp: 1361196
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.1 20.2 30.4



#49
Dimethylphthalate
Concen: 6.77 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

Tgt Ion:163 Resp: 128994
Ion Ratio Lower Upper
163 100
194 5.1 3.0 4.4#
164 10.1 8.0 12.0

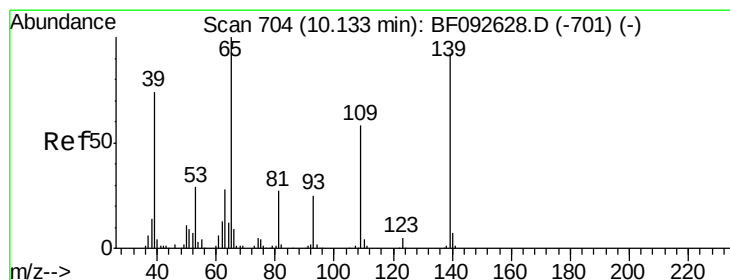
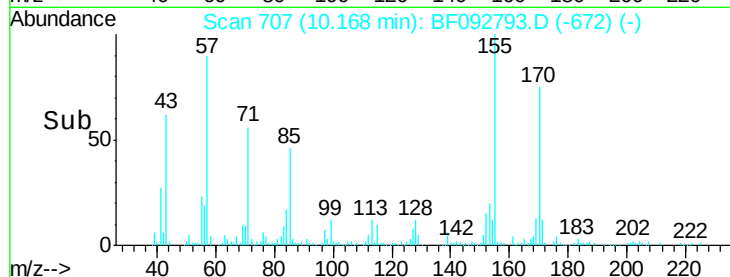
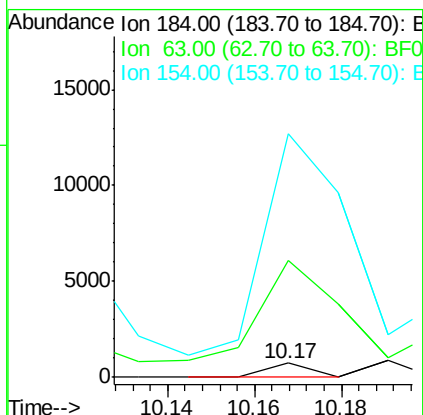
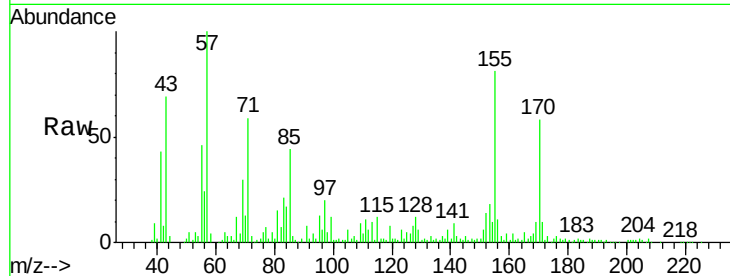




#53
2,4-Dinitrophenol
Concen: 4.97 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.10 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

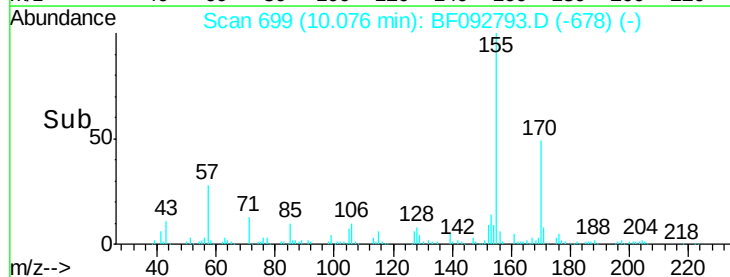
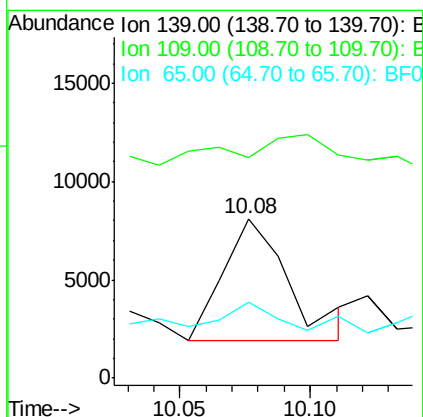
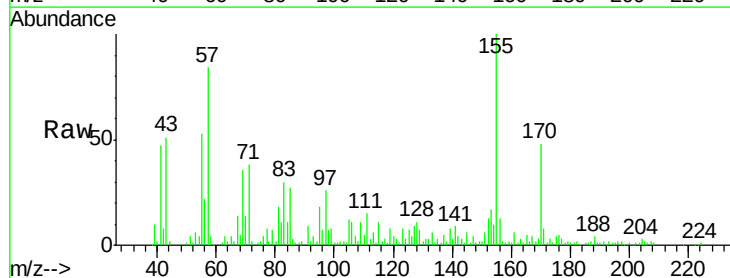
Instrument :
BNA_F
ClientSampleId :
N-1A

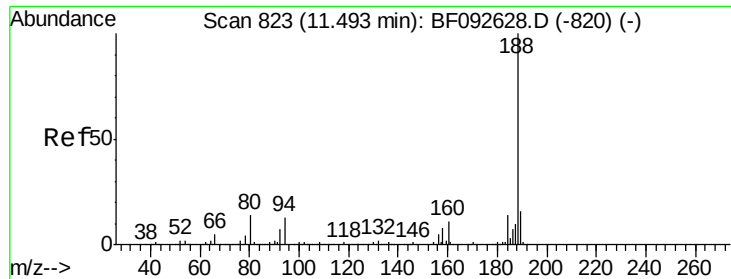
Tgt Ion:184 Resp: 515
Ion Ratio Lower Upper
184 100
63 815.3 28.4 42.6#
154 1692.3 44.3 66.5#



#55
4-Nitrophenol
Concen: 3.20 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.06 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

Tgt Ion:139 Resp: 10853
Ion Ratio Lower Upper
139 100
109 138.6 52.2 92.2#
65 47.3 85.8 125.8#

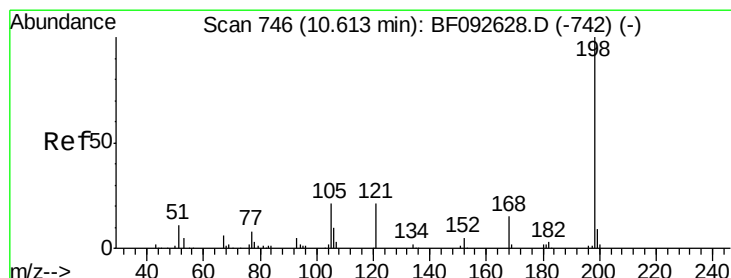
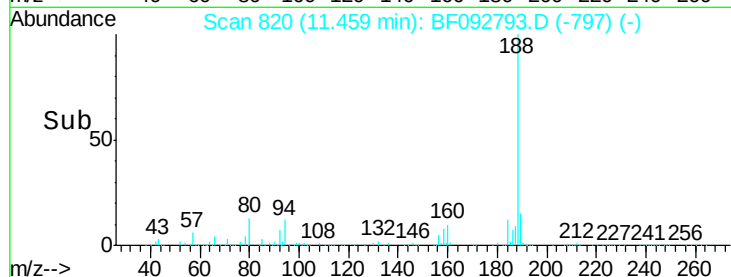
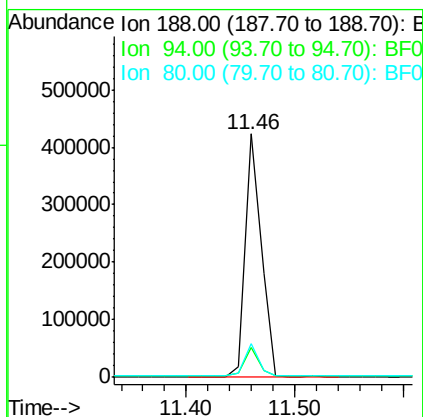
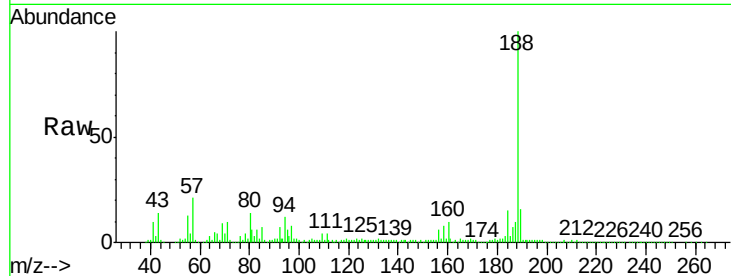




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

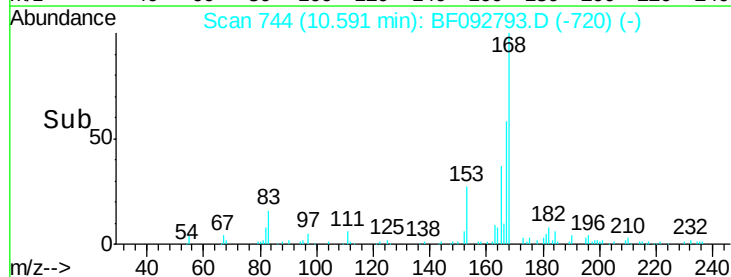
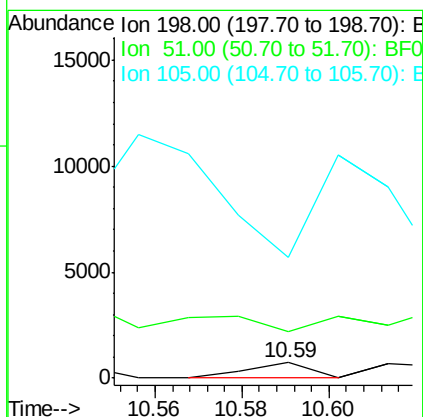
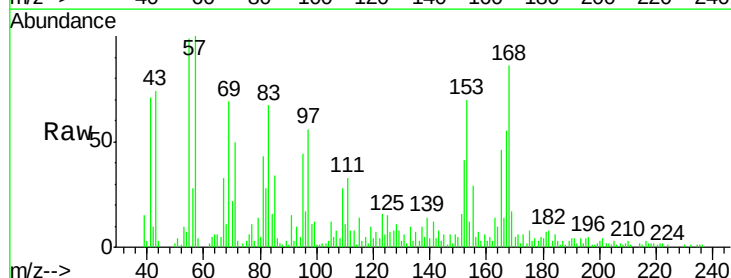
Instrument :
BNA_F
ClientSampled :
N-1A

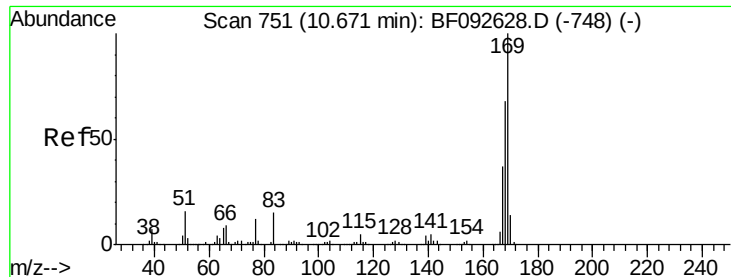
Tgt Ion:188 Resp: 433523
Ion Ratio Lower Upper
188 100
94 12.5 10.0 15.0
80 13.9 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 2.93 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

Tgt Ion:198 Resp: 719
Ion Ratio Lower Upper
198 100
51 301.2 6.7 46.7#
105 788.0 16.6 56.6#





#65

n-Nitrosodiphenylamine

Concen: 9.23 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

N-1A

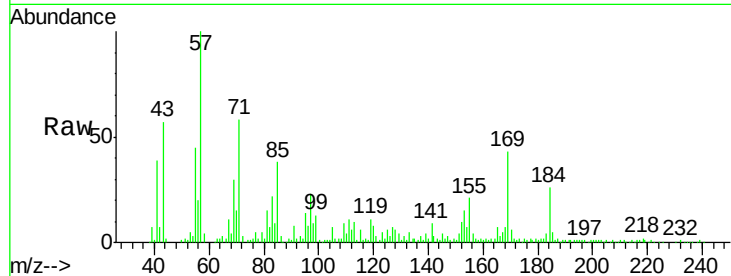
Tgt Ion:169 Resp: 127782

Ion Ratio Lower Upper

169 100

168 15.9 54.2 81.2#

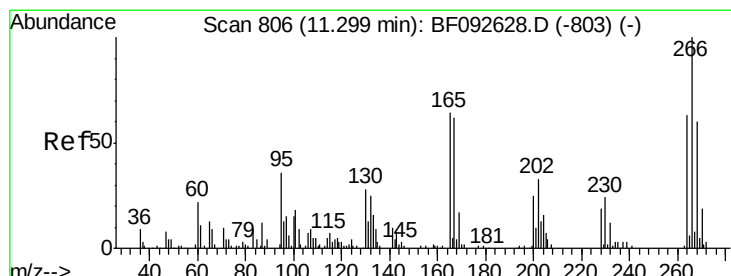
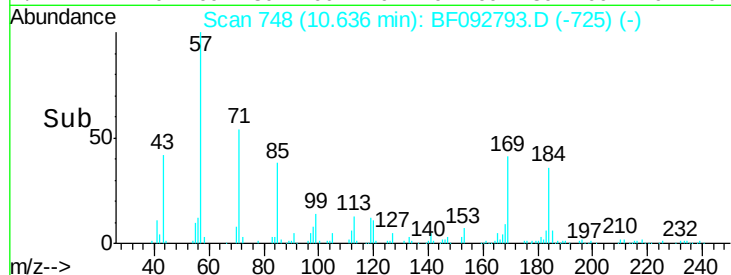
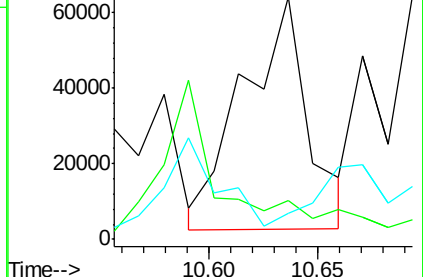
167 11.0 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 7.29 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.06 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

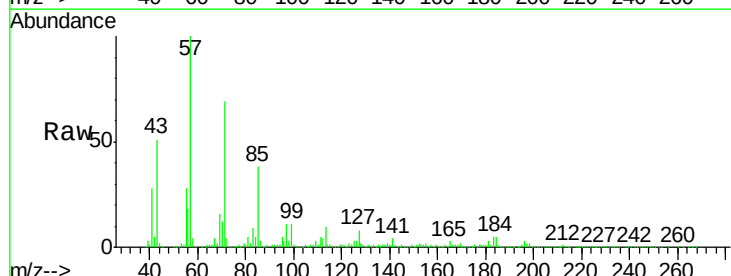
Tgt Ion:266 Resp: 215

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

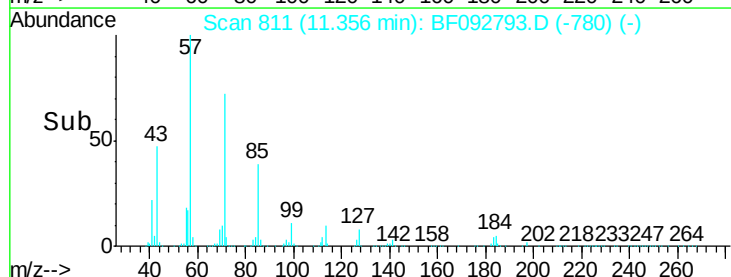
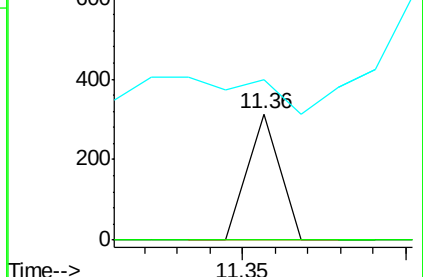
264 127.8 50.3 75.5#

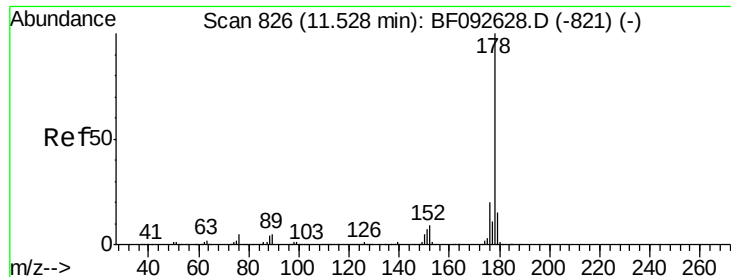


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

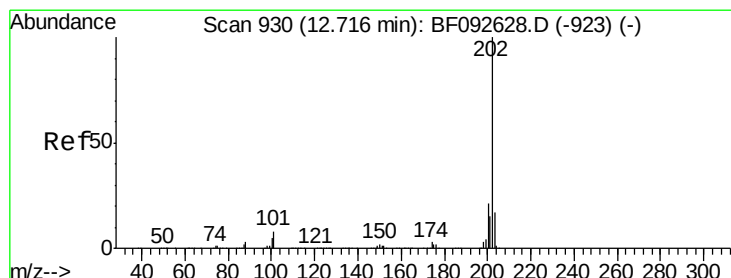
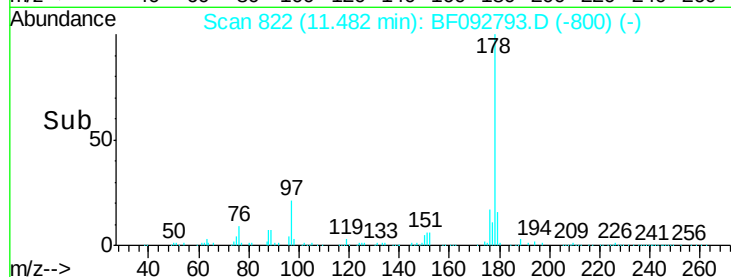
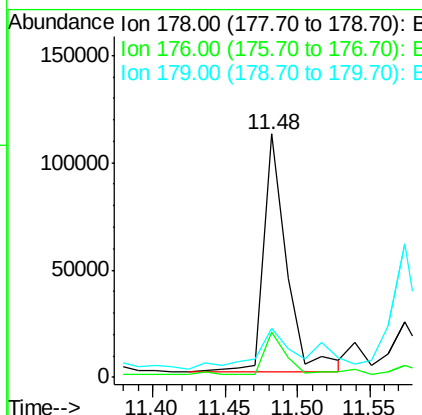
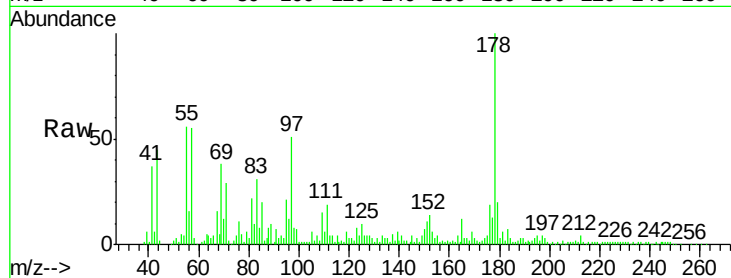




#70
Phenanthrene
Concen: 4.97 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

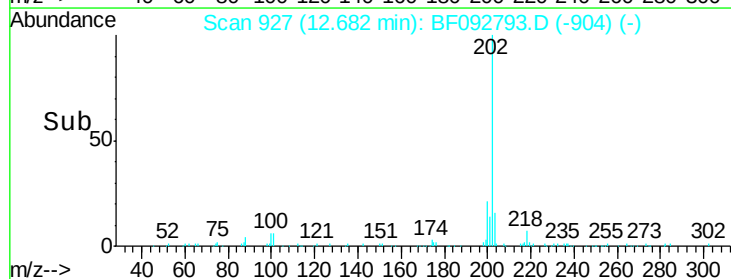
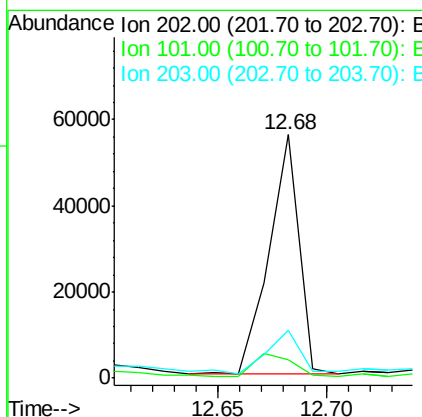
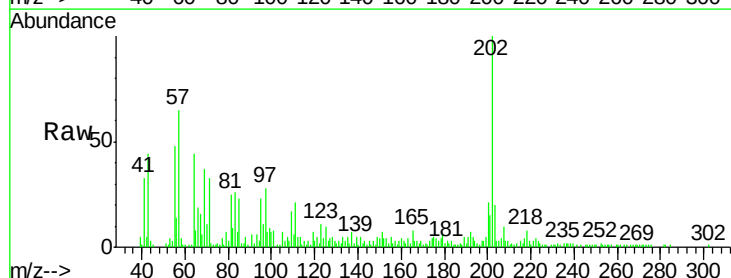
Instrument :
BNA_F
ClientSampleId :
N-1A

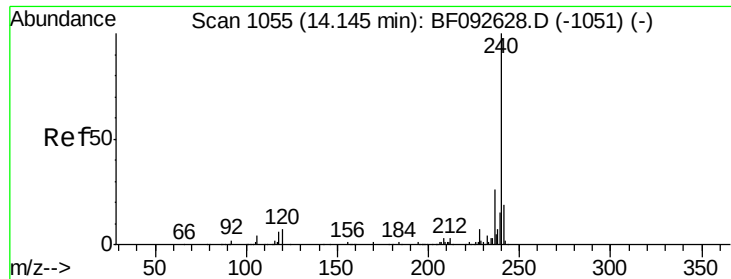
Tgt Ion:178 Resp: 123333
Ion Ratio Lower Upper
178 100
176 18.5 16.6 25.0
179 20.1 12.8 19.2#



#74
Fluoranthene
Concen: 2.10 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF092793.D
Acq: 3 Feb 2017 23:28

Tgt Ion:202 Resp: 53901
Ion Ratio Lower Upper
202 100
101 7.7 0.0 34.6
203 19.5 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

N-1A

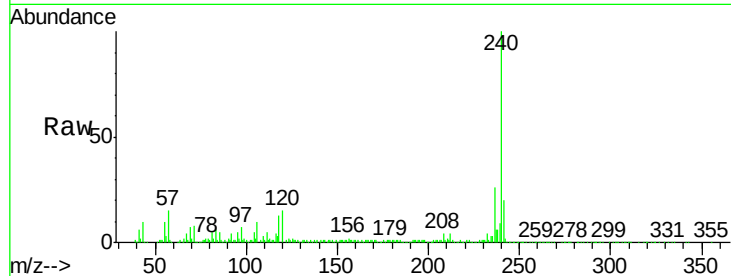
Tgt Ion:240 Resp: 362310

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

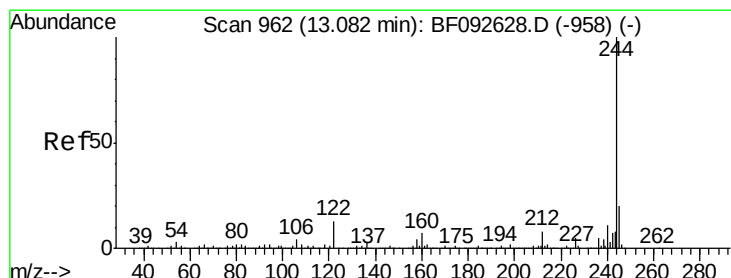
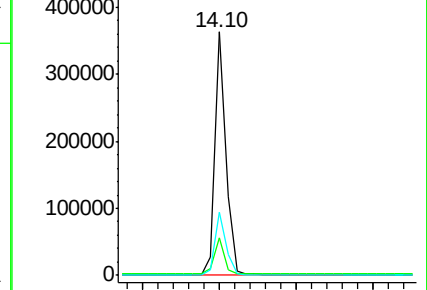
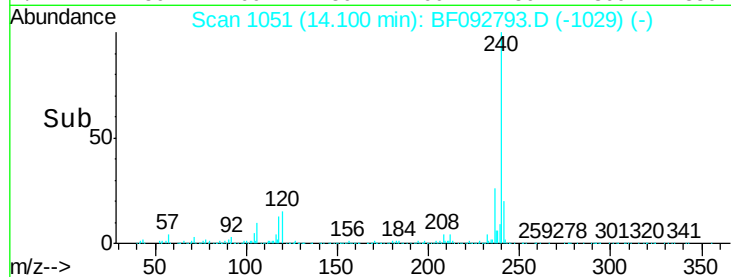
236 25.7 20.9 31.3



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: 78.19 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092793.D

Acq: 3 Feb 2017 23:28

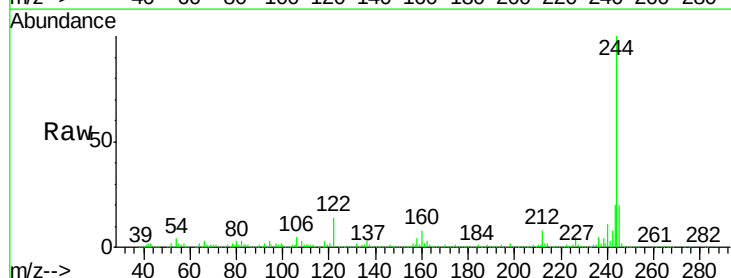
Tgt Ion:244 Resp: 1205722

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

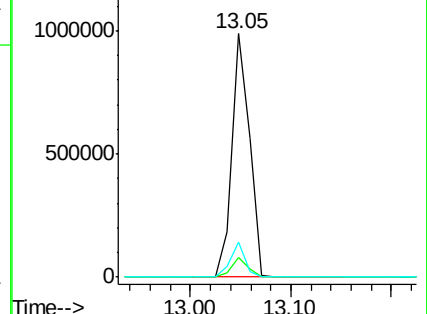
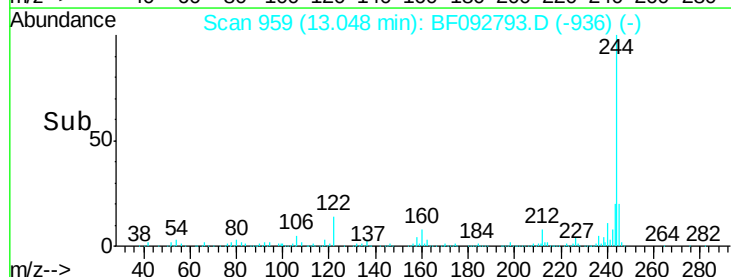
122 14.4 11.4 17.2

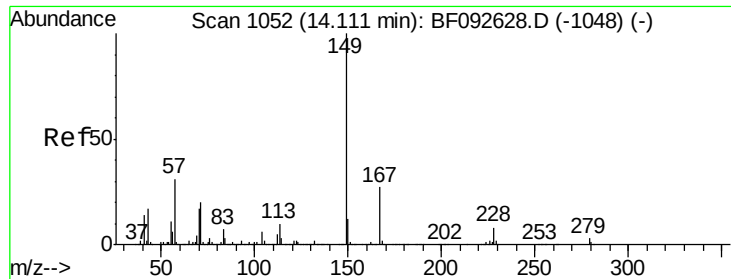


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

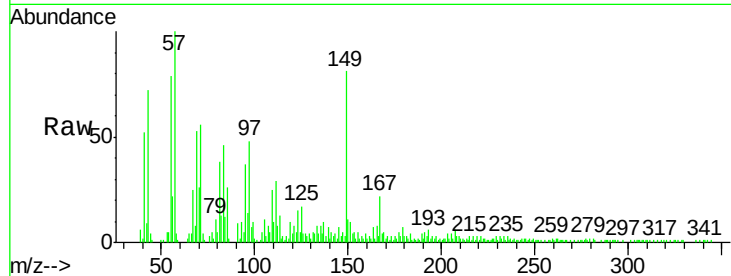




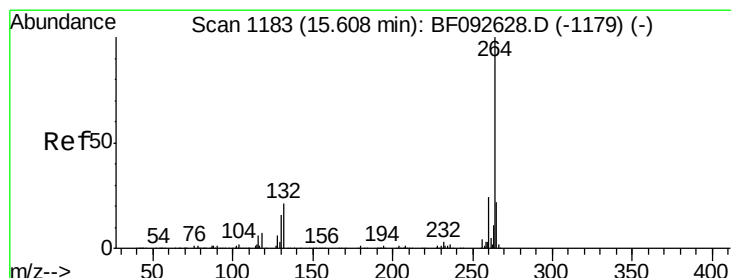
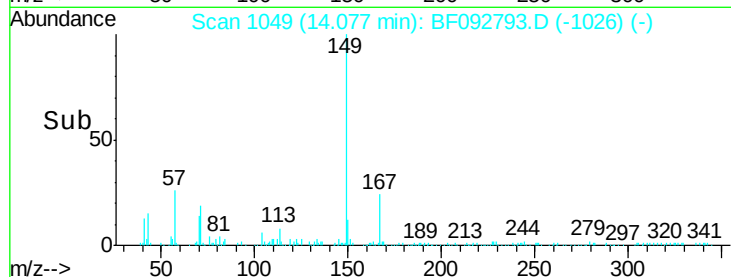
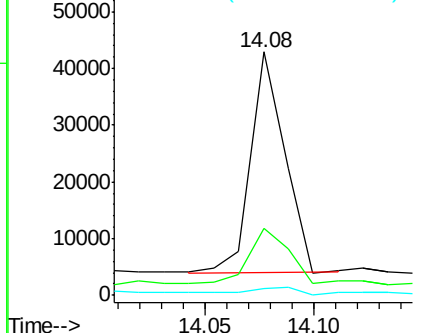
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.82 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Instrument :
 BNA_F
 ClientSampleId :
 N-1A

Tgt Ion:149 Resp: 42485
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.2 30.4
 279 2.9 1.8 2.8#

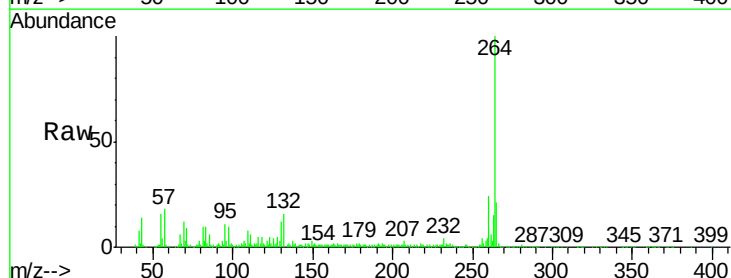


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1180
 Delta R.T. -0.03 min
 Lab File: BF092793.D
 Acq: 3 Feb 2017 23:28

Tgt Ion:264 Resp: 310740
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.1 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

