

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090396.D
 Acq On : 5 Oct 2016 22:51
 Operator : UM/SJ
 Sample : H4803-05DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Oct 06 01:13:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	235535	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	999061	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	513080	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	760162	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	623396	20.00	ng	-0.01
86) Perylene-d12	15.70	264	415029	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	401461	25.44	ng	-0.01
7) Phenol-d6	6.61	99	548644	26.54	ng	-0.01
23) Nitrobenzene-d5	7.56	82	368253	17.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	113739	27.26	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	579106	18.81	ng	-0.01
78) Terphenyl-d14	13.13	244	522067	18.83	ng	-0.01

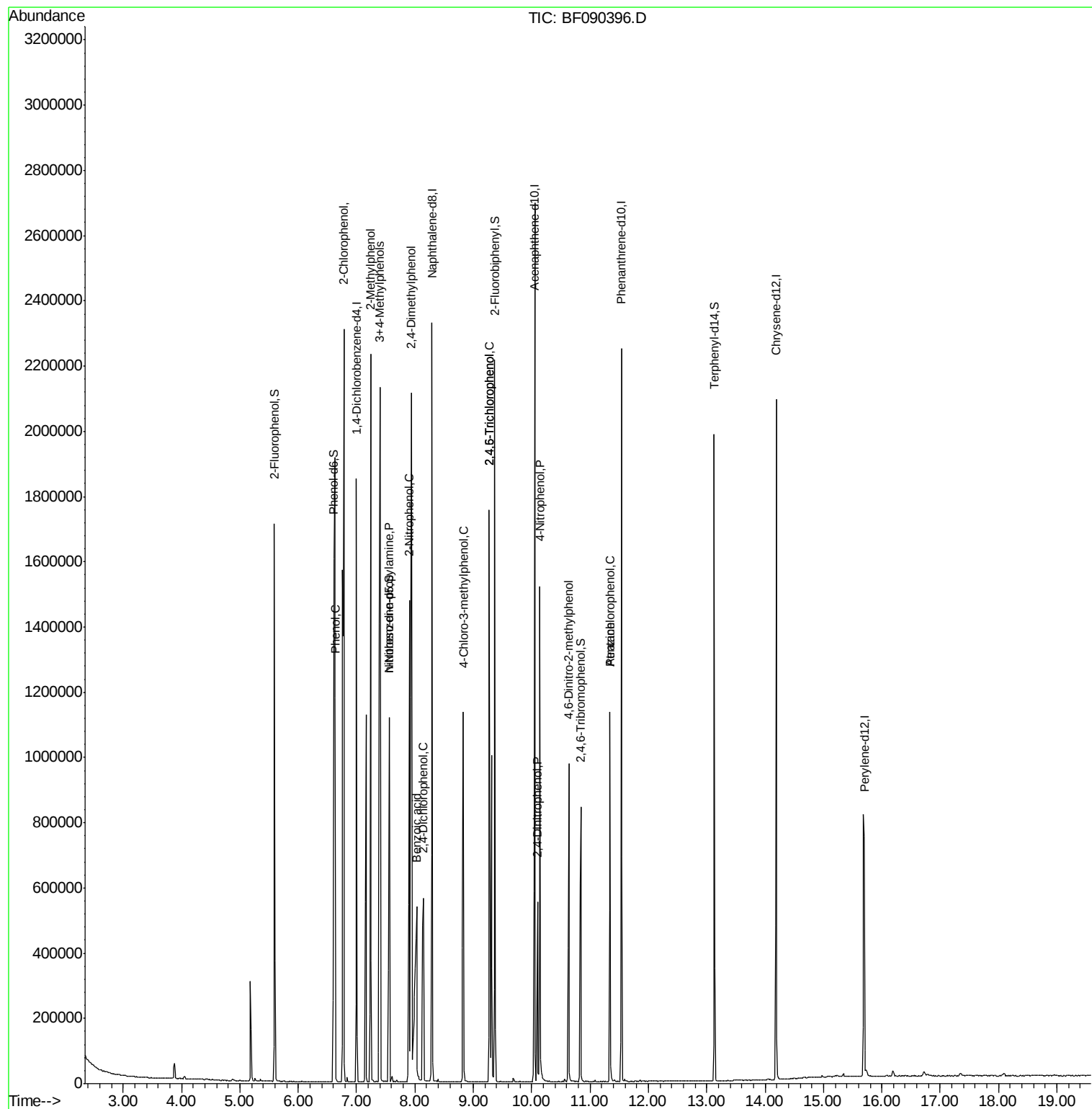
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) 2-Chlorophenol	6.78	128	567085	32.65	ng	97
10) Phenol	6.63	94	667392	27.77	ng	83
17) 2-Methylphenol	7.24	107	355658	24.90	ng	97
19) n-Nitroso-di-n-propylamine	7.56	70	49978	3.30	ng	# 65
20) 3+4-Methylphenols	7.40	107	705223	38.14	ng	# 73
26) 2-Nitrophenol	7.90	139	264726	30.16	ng	# 85
27) 2,4-Dimethylphenol	7.94	122	468276	27.44	ng	99
29) 2,4-Dichlorophenol	8.14	162	141514	10.91	ng	98
32) Benzoic acid	8.03	122	252287	21.26	ng	92
36) 4-Chloro-3-methylphenol	8.83	107	244291	15.04	ng	96
42) 2,4,6-Trichlorophenol	9.27	196	239963	25.71	ng	94
43) 2,4,5-Trichlorophenol	9.27	196	239963	27.19	ng	# 71
53) 2,4-Dinitrophenol	10.10	184	67516	20.76	ng	94
55) 4-Nitrophenol	10.14	139	231398	31.03	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	120165	26.20	ng	# 67
68) Atrazine	11.34	200	25478	4.06	ng	# 37
69) Pentachlorophenol	11.34	266	129055	26.13	ng	98

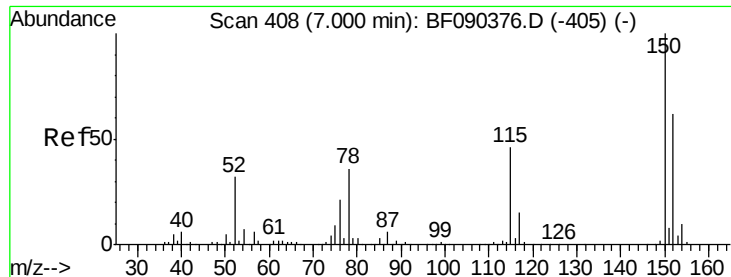
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

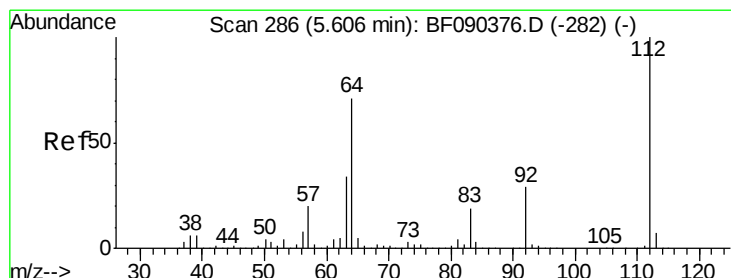
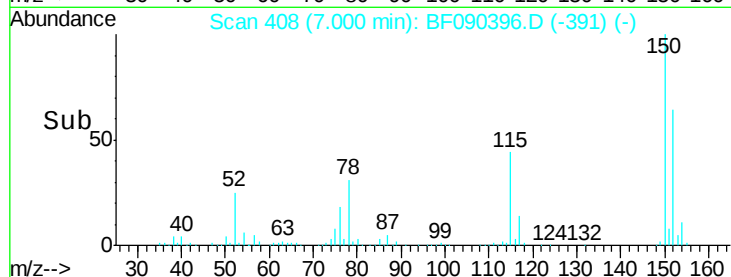
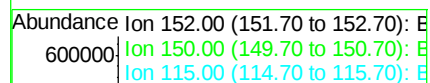
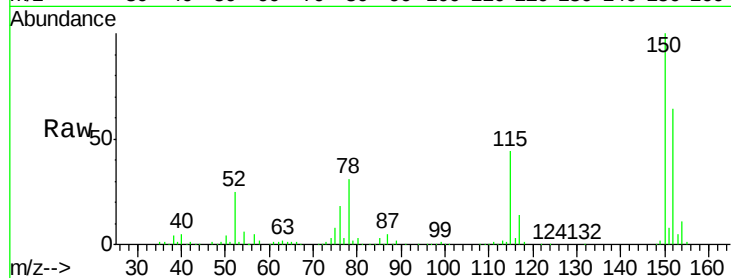
Tgt Ion:152 Resp: 23535

Ion Ratio Lower Upper

152 100

150 155.9 124.6 186.8

115 68.2 46.2 69.4



#5

2-Fluorophenol

Concen: 25.44 ng

RT: 5.59 min Scan# 285

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

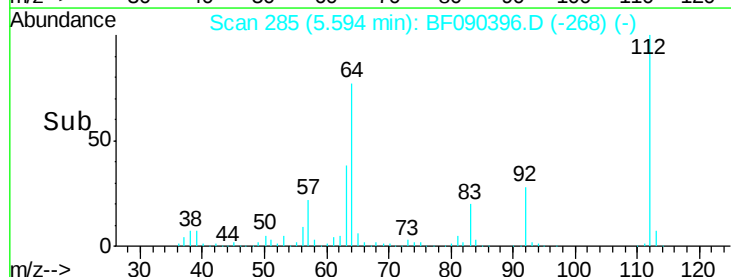
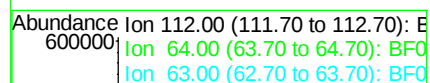
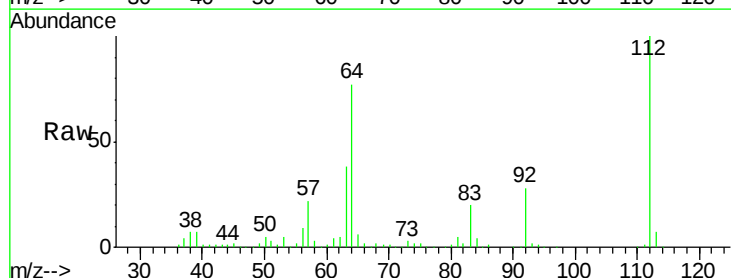
Tgt Ion:112 Resp: 401461

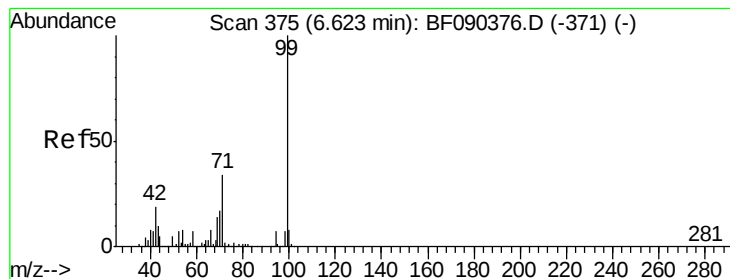
Ion Ratio Lower Upper

112 100

64 77.5 57.9 86.9

63 37.9 29.6 44.4





#7

Phenol-d6

Concen: 26.54 ng

RT: 6.61 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

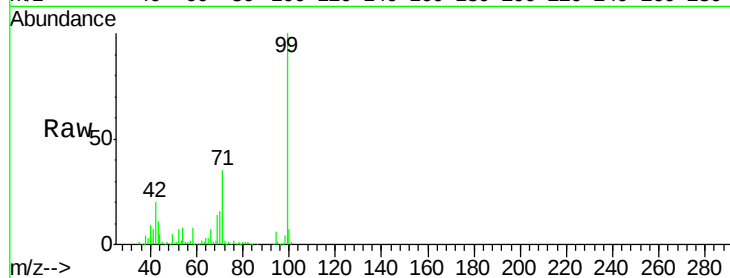
Tgt Ion: 99 Resp: 548644

Ion Ratio Lower Upper

99 100

42 20.4 20.0 30.0

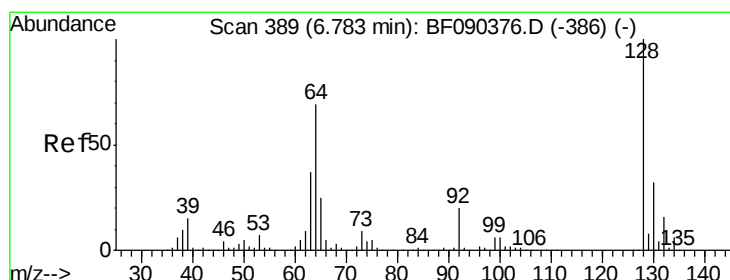
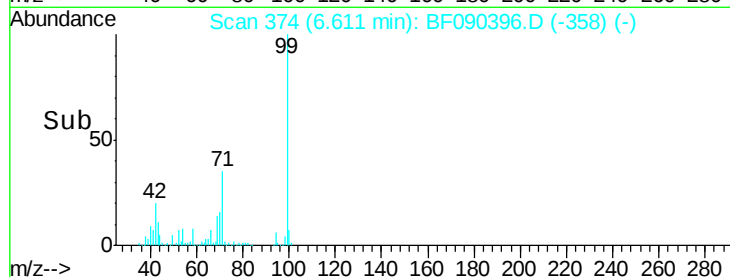
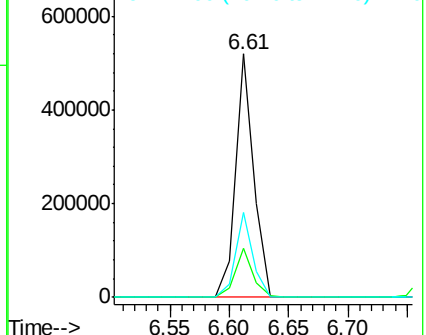
71 34.9 27.9 41.9



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



#8

2-Chlorophenol

Concen: 32.65 ng

RT: 6.78 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

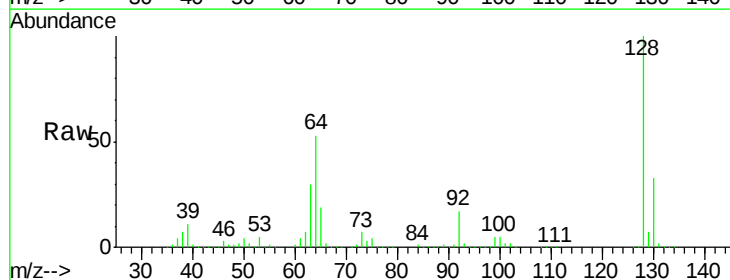
Tgt Ion: 128 Resp: 567085

Ion Ratio Lower Upper

128 100

130 33.0 13.3 53.3

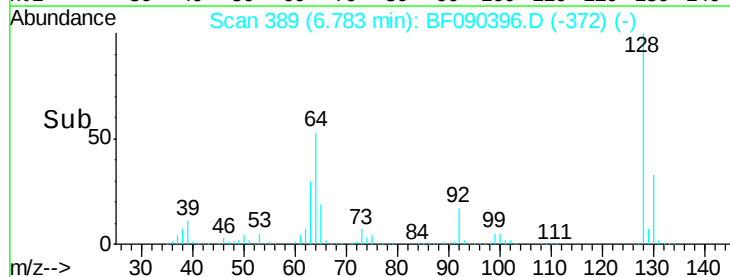
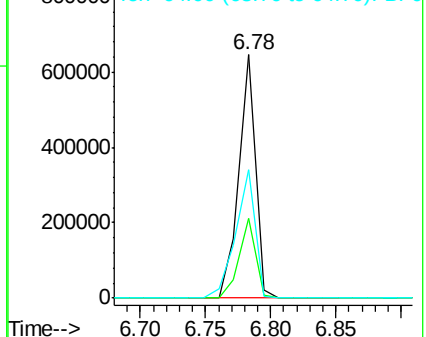
64 52.7 36.0 76.0

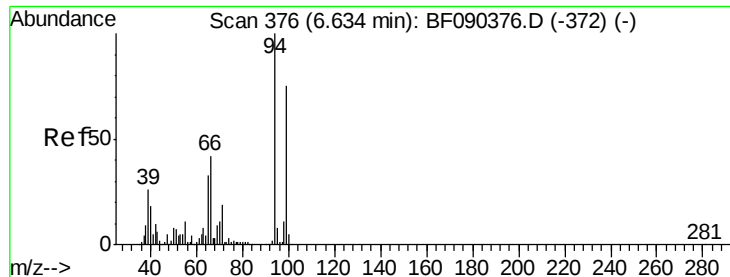


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 27.77 ng

RT: 6.63 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

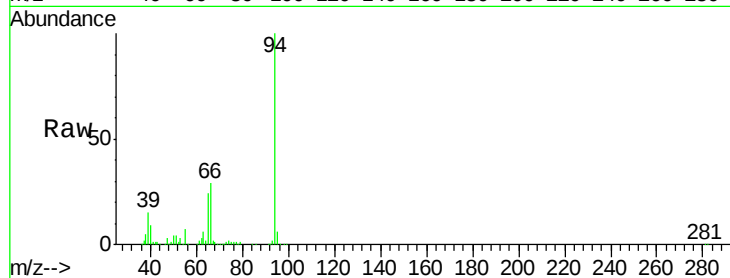
Tgt Ion: 94 Resp: 667392

Ion Ratio Lower Upper

94 100

65 24.3 13.3 53.3

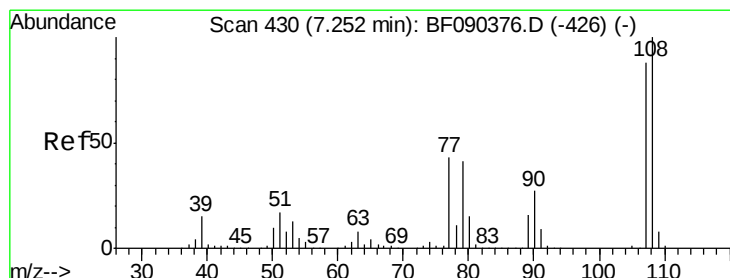
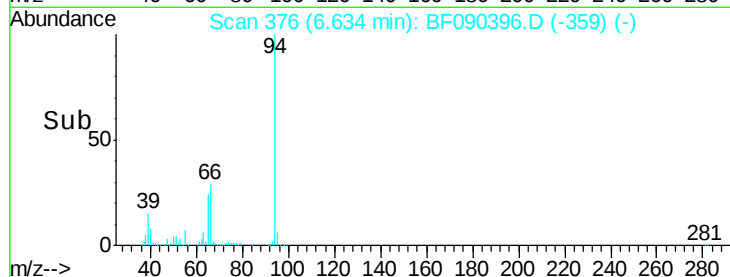
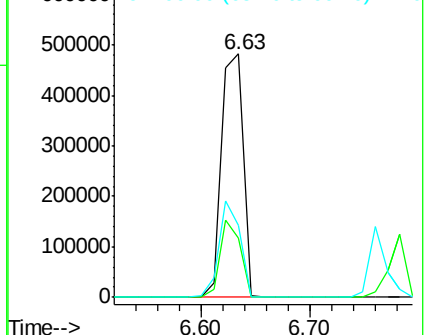
66 29.5 20.4 60.4



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



#17

2-Methylphenol

Concen: 24.90 ng

RT: 7.24 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Tgt Ion: 107 Resp: 355658

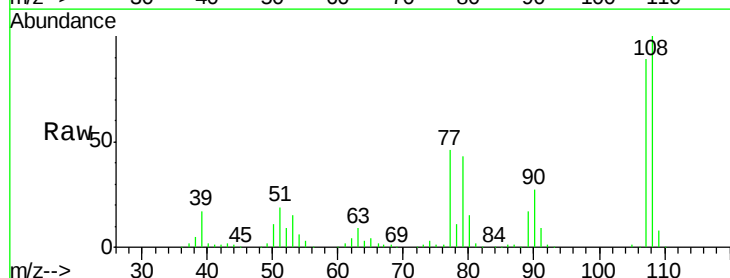
Ion Ratio Lower Upper

107 100

108 112.1 90.9 136.3

77 51.8 38.2 57.4

79 48.7 37.0 55.4

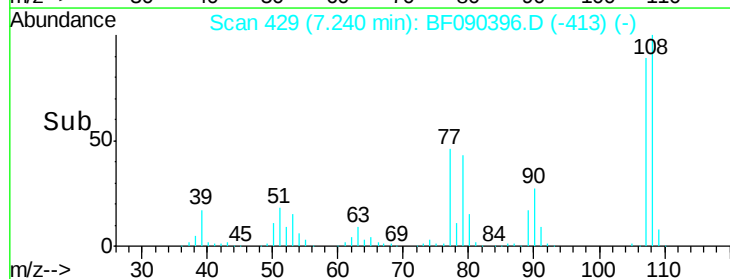
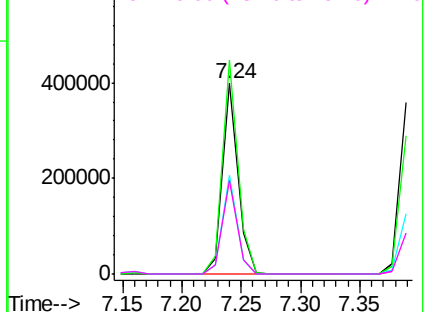


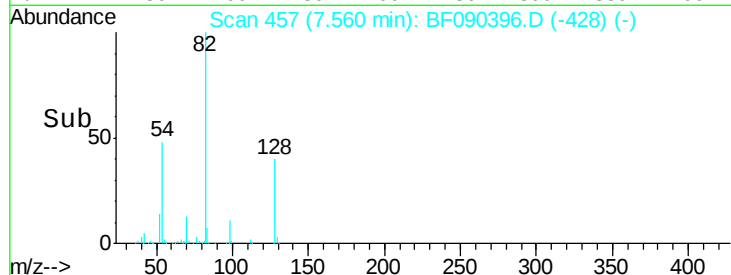
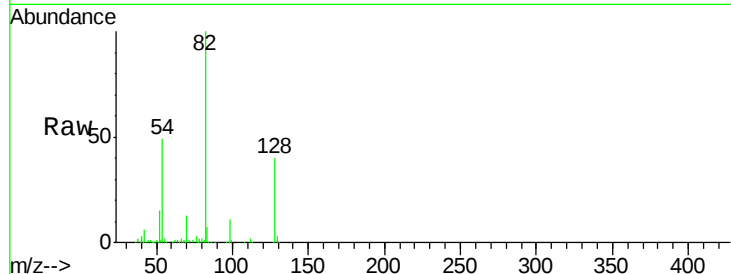
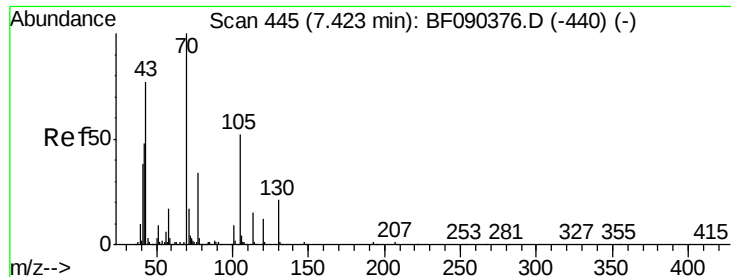
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

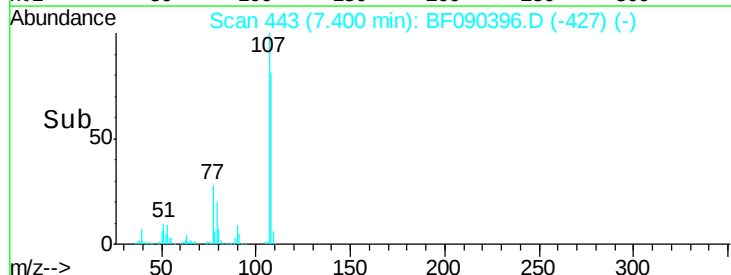
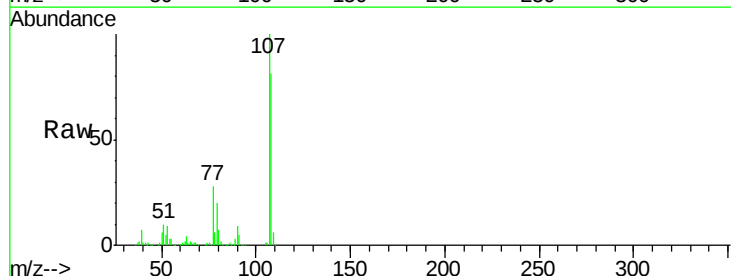
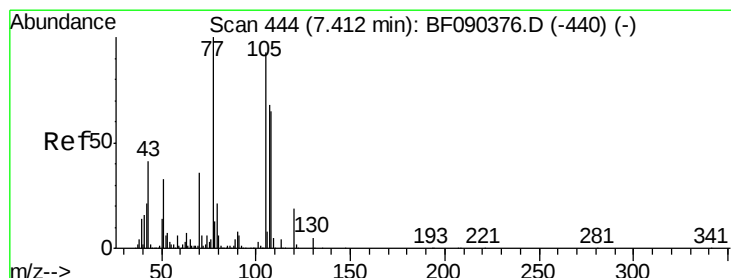
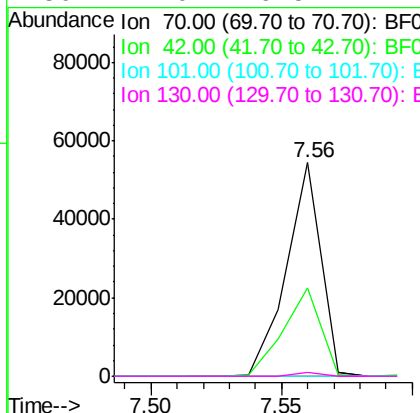




#19
n-Nitroso-di-n-propylamine
Concen: 3.30 ng
RT: 7.56 min Scan# 457
Delta R.T. 0.14 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

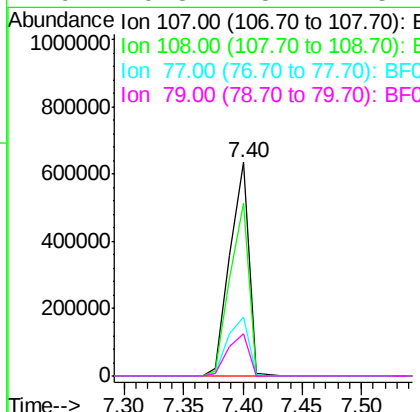
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

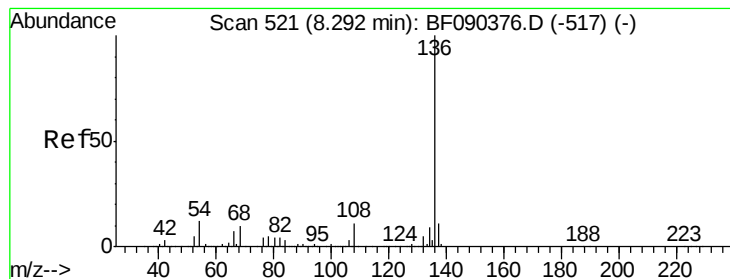
Tgt Ion: 70 Resp: 49978
Ion Ratio Lower Upper
70 100
42 41.2 55.4 83.2#
101 0.0 7.6 11.4#
130 2.0 16.5 24.7#



#20
3+4-Methylphenols
Concen: 38.14 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion: 107 Resp: 705223
Ion Ratio Lower Upper
107 100
108 80.8 66.7 106.7
77 27.8 53.7 93.7#
79 19.8 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

Tgt Ion: 136 Resp: 999061

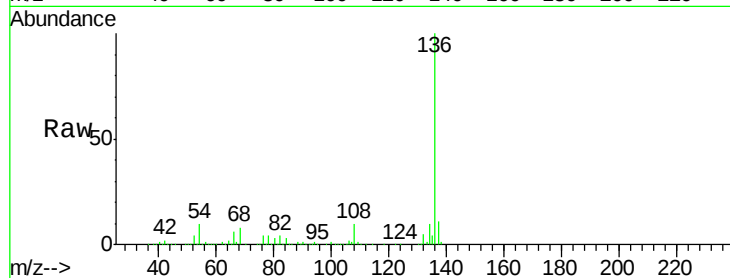
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.5 6.6 10.0

68 8.4 5.0 7.6#

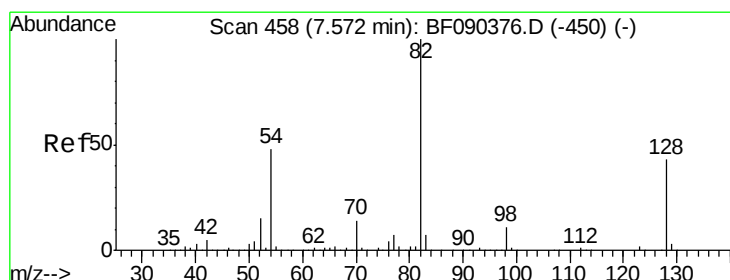
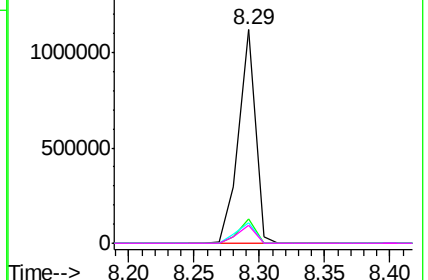
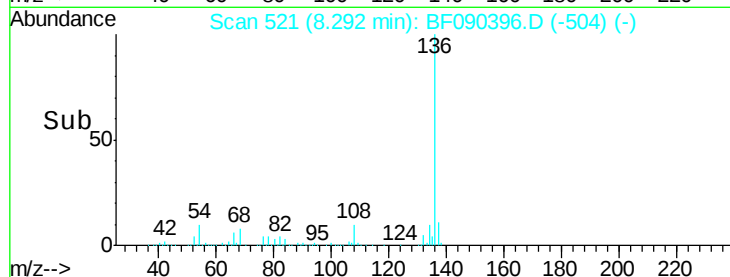


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.93 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

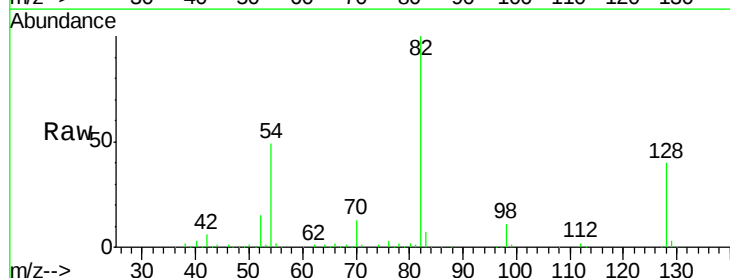
Tgt Ion: 82 Resp: 368253

Ion Ratio Lower Upper

82 100

128 40.4 40.0 60.0

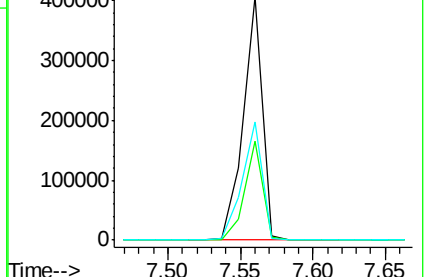
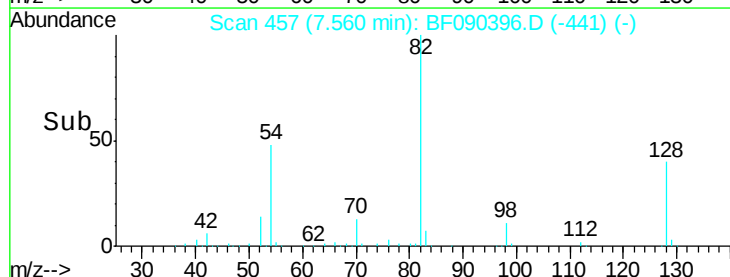
54 48.7 42.6 64.0

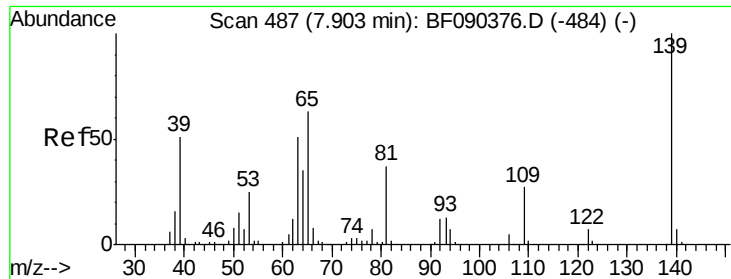


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

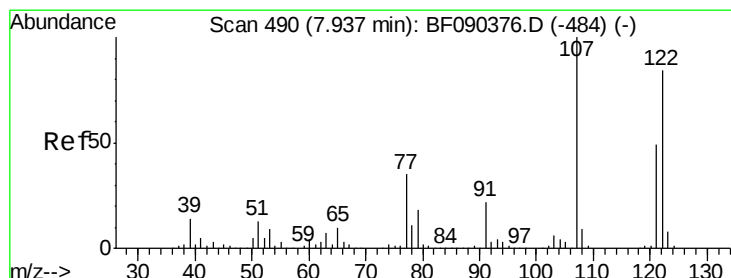
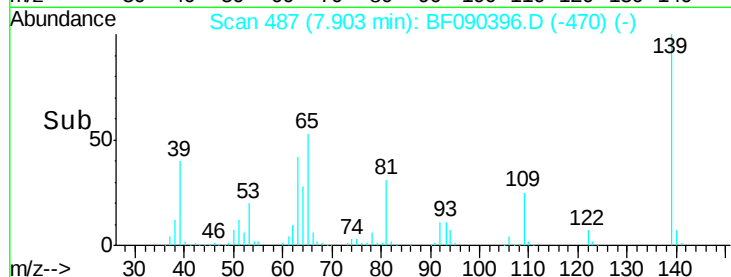
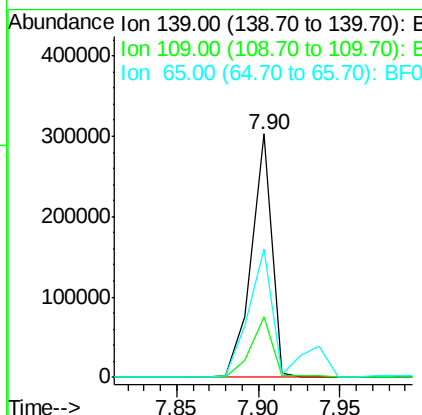
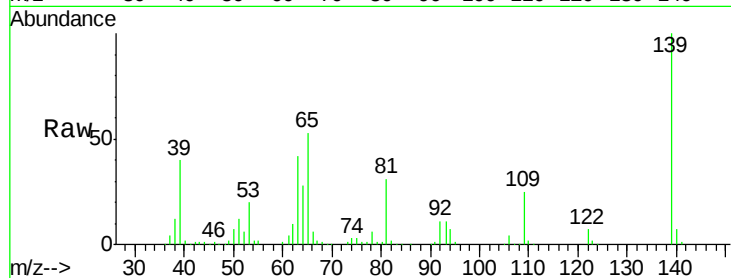




#26
 2-Nitrophenol
 Concen: 30.16 ng
 RT: 7.90 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

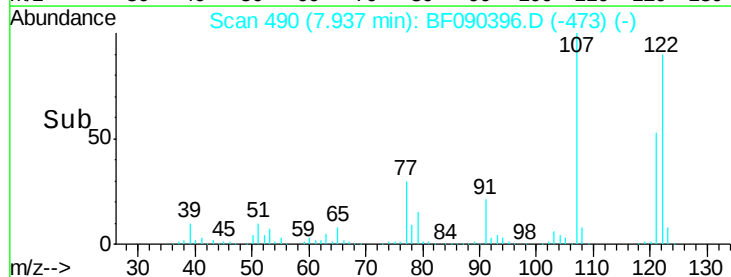
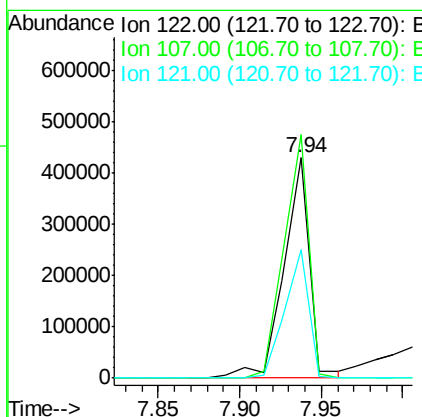
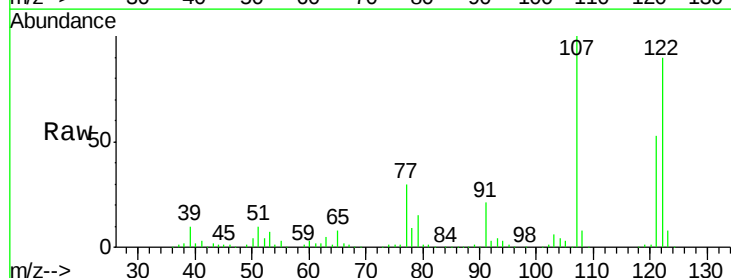
Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

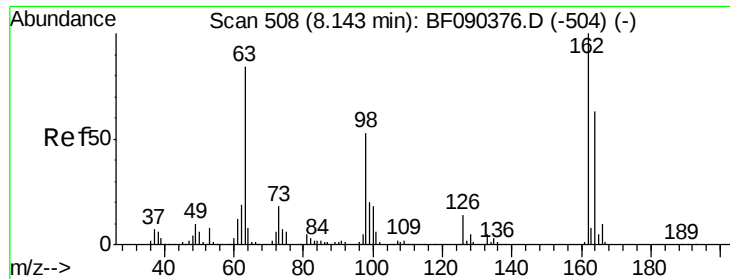
Tgt Ion	Ratio	Lower	Upper
139	100		
109	25.1	18.9	28.3
65	53.0	31.6	47.4



#27
 2,4-Dimethylphenol
 Concen: 27.44 ng
 RT: 7.94 min Scan# 490
 Delta R.T. -0.00 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion	Ratio	Lower	Upper
122	100		
107	110.6	88.6	132.8
121	58.3	47.5	71.3

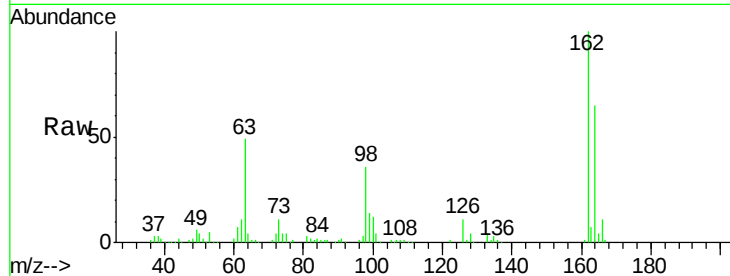




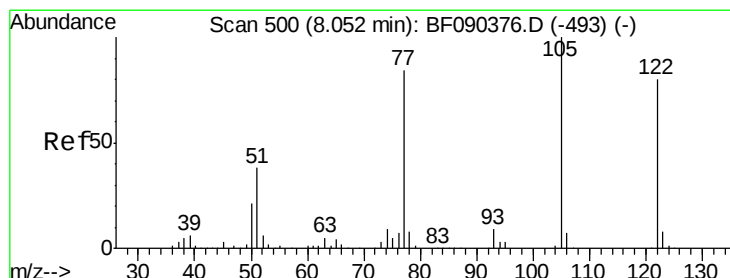
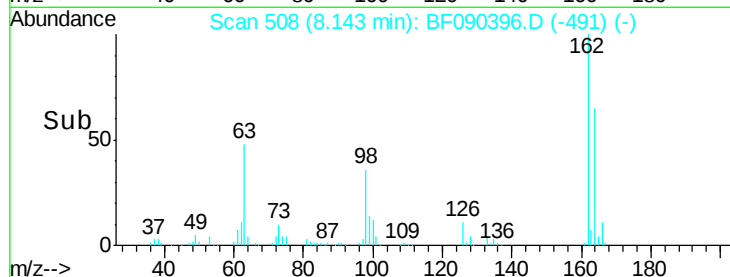
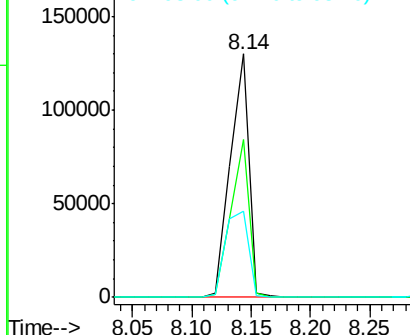
#29
2,4-Dichlorophenol
Concen: 10.91 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:162 Resp: 141514
Ion Ratio Lower Upper
162 100
164 64.7 45.7 85.7
98 35.6 13.3 53.3

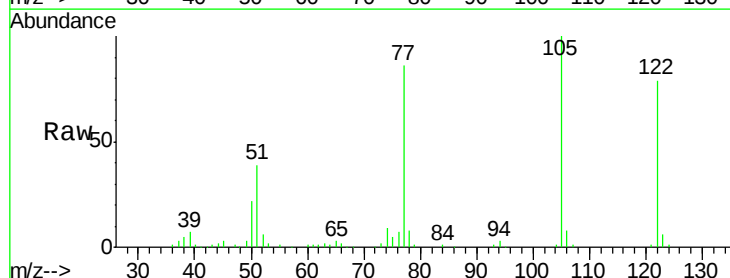


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

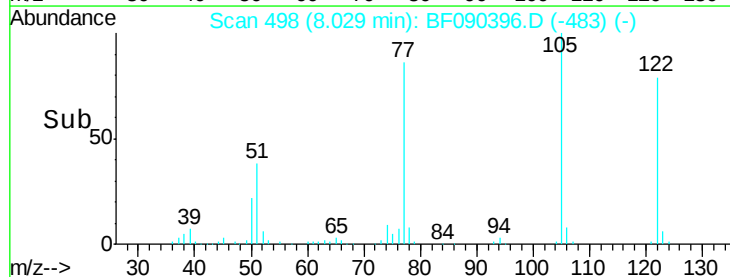
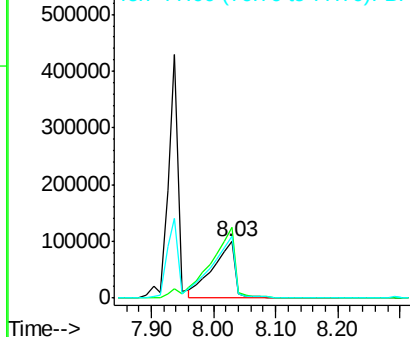


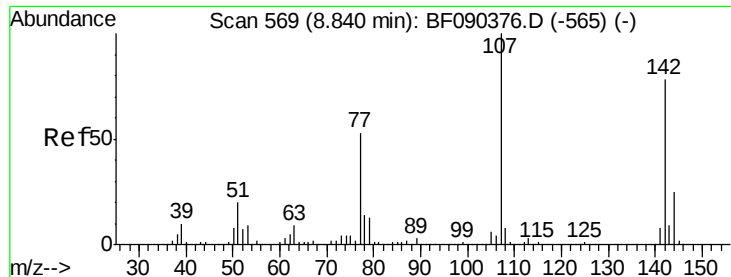
#32
Benzoic acid
Concen: 21.26 ng
RT: 8.03 min Scan# 498
Delta R.T. -0.02 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion:122 Resp: 252287
Ion Ratio Lower Upper
122 100
105 126.8 103.9 143.9
77 109.6 74.6 114.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

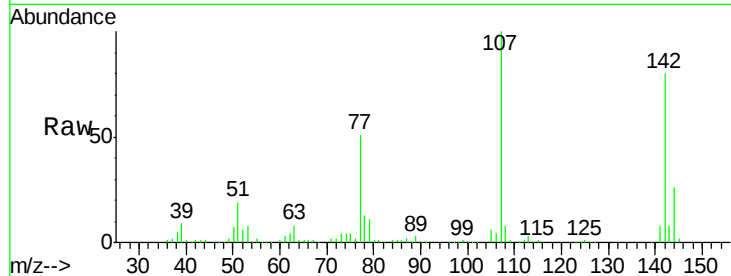




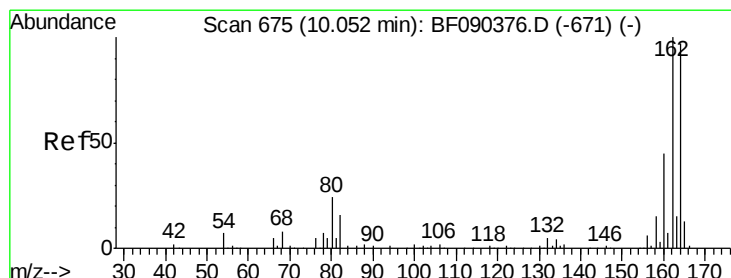
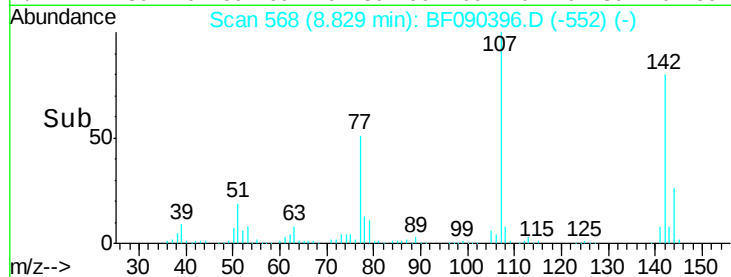
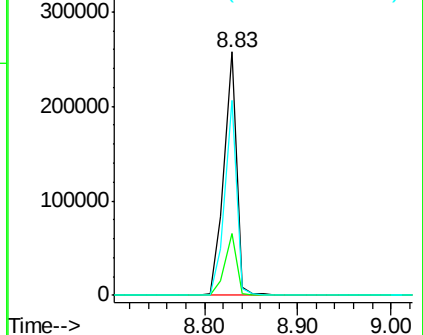
#36
 4-Chloro-3-methylphenol
 Concen: 15.04 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:107 Resp: 244291
 Ion Ratio Lower Upper
 107 100
 144 25.6 19.8 29.8
 142 80.0 60.7 91.1

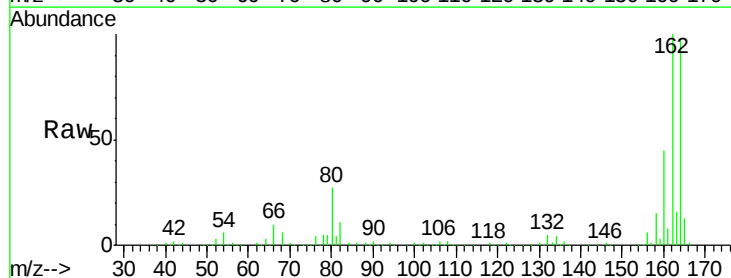


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

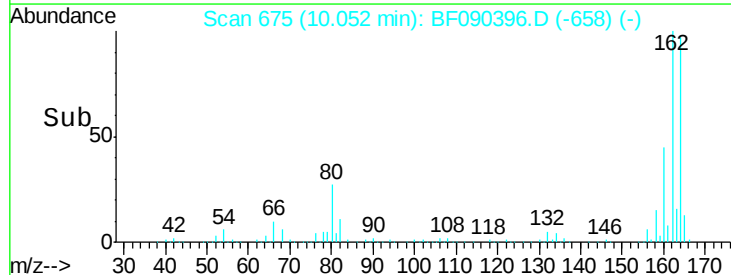
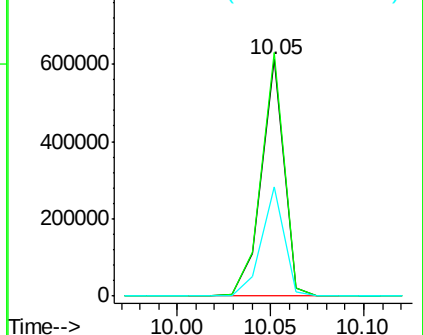


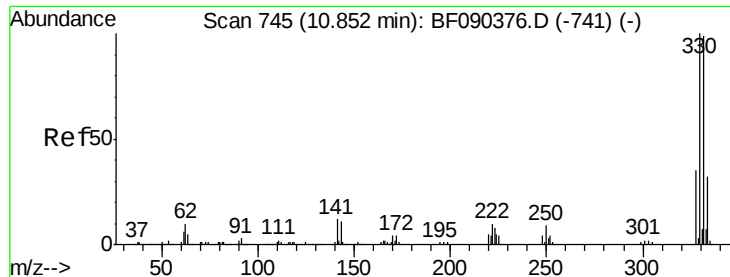
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.05 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion:164 Resp: 513080
 Ion Ratio Lower Upper
 164 100
 162 102.9 80.1 120.1
 160 46.2 36.3 54.5



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

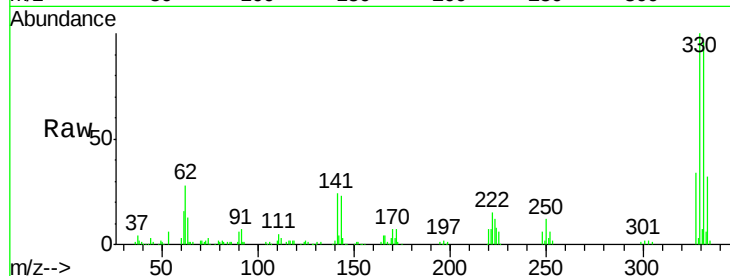




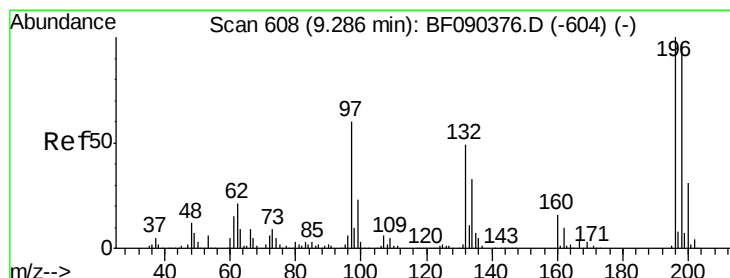
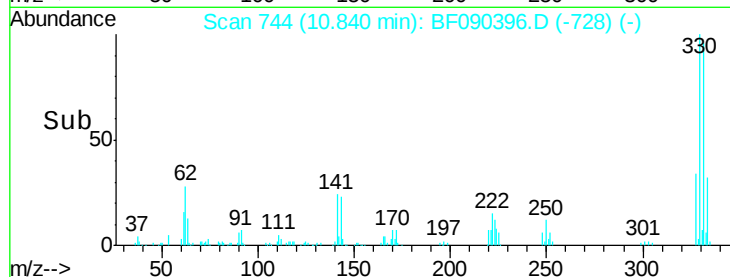
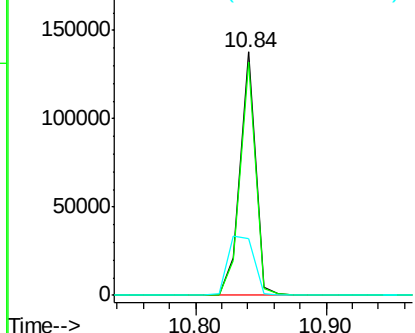
#41
 2,4,6-Tribromophenol
 Concen: 27.26 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:330 Resp: 113739
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.4 113.0
 141 40.9 26.9 40.3#

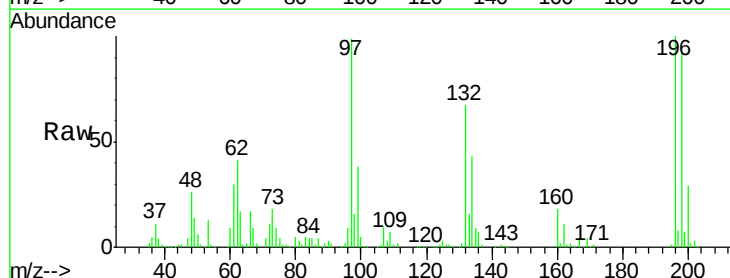


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

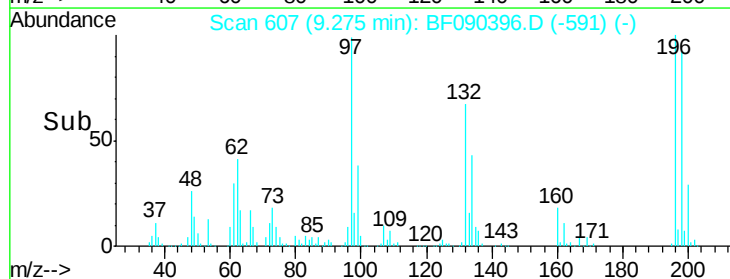
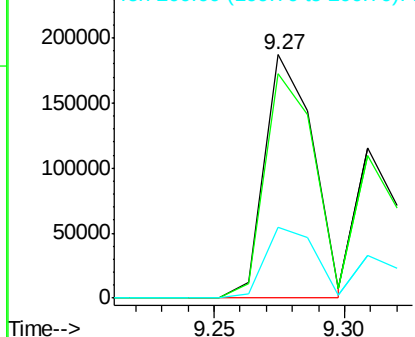


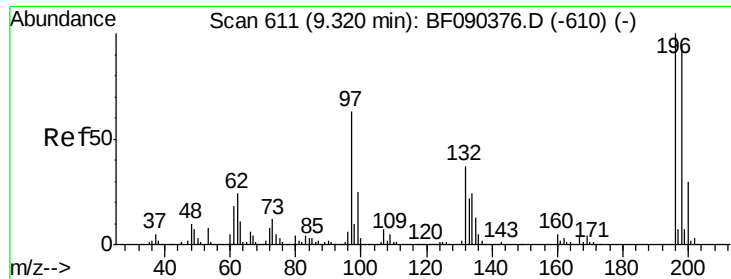
#42
 2,4,6-Trichlorophenol
 Concen: 25.71 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion:196 Resp: 239963
 Ion Ratio Lower Upper
 196 100
 198 92.0 78.9 118.3
 200 29.3 25.4 38.2



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

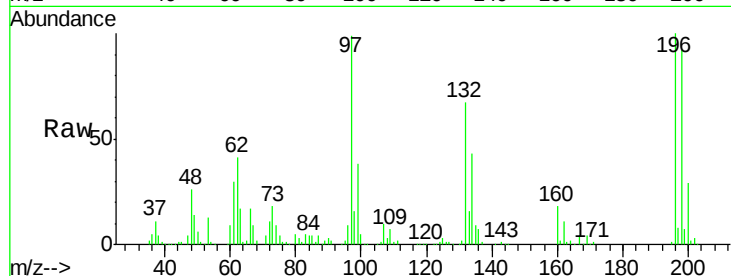




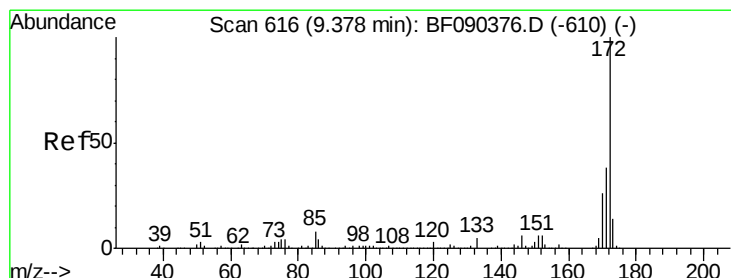
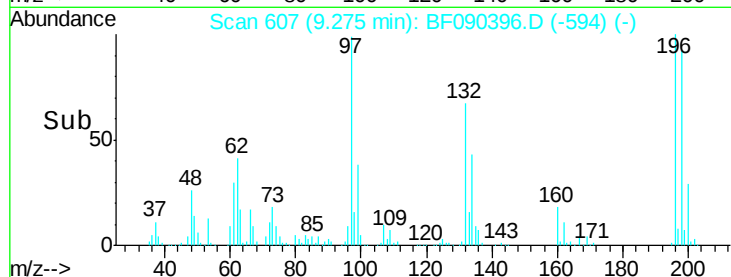
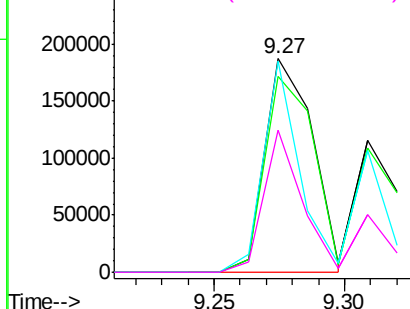
#43
 2,4,5-Trichlorophenol
 Concen: 27.19 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.05 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:196 Resp: 239963
 Ion Ratio Lower Upper
 196 100
 198 92.0 78.1 117.1
 97 98.8 48.1 72.1#
 132 66.7 27.4 41.2#

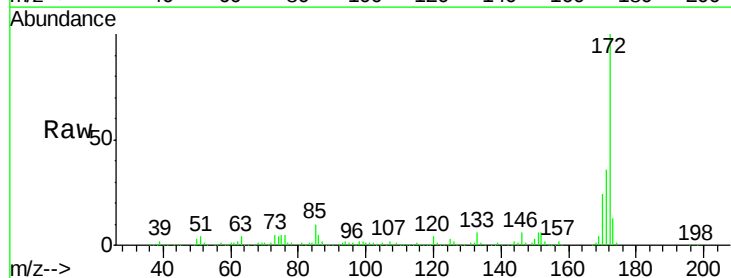


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

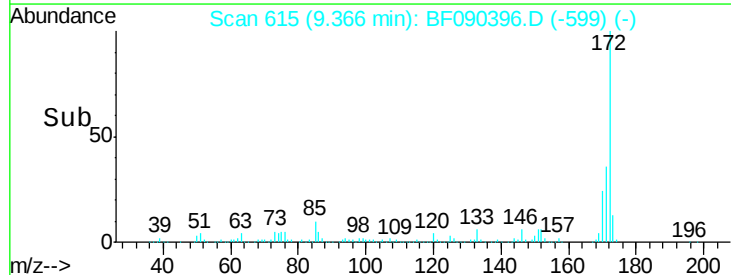
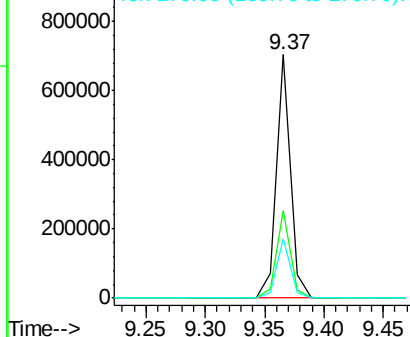


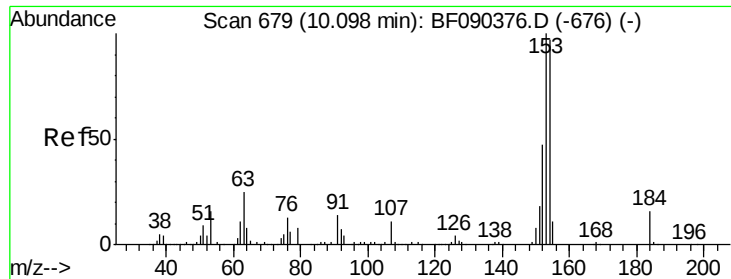
#44
 2-Fluorobiphenyl
 Concen: 18.81 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion:172 Resp: 579106
 Ion Ratio Lower Upper
 172 100
 171 35.8 31.8 47.8
 170 24.2 21.7 32.5



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

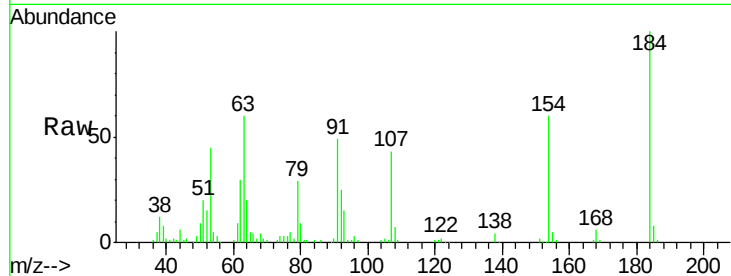




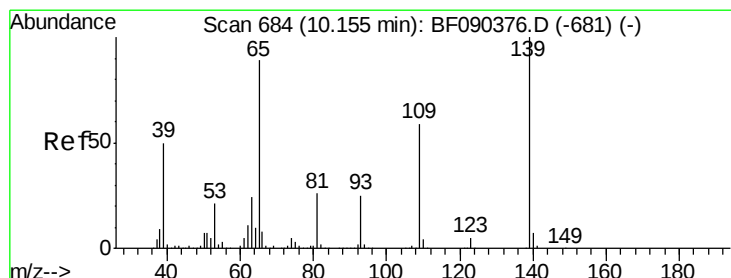
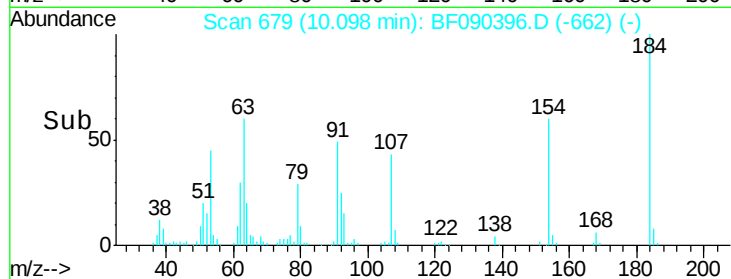
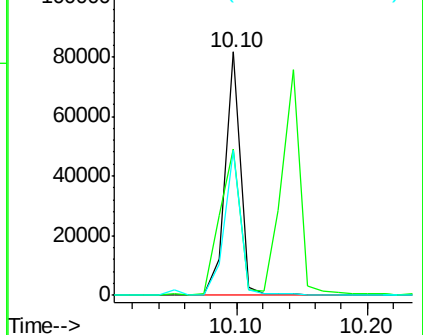
#53
 2,4-Dinitrophenol
 Concen: 20.76 ng
 RT: 10.10 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:184 Resp: 67516
 Ion Ratio Lower Upper
 184 100
 63 60.1 41.9 62.9
 154 59.8 48.9 73.3

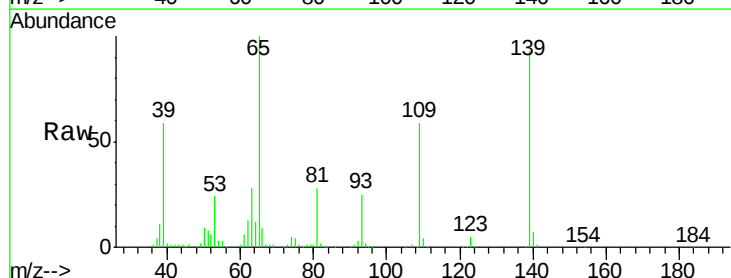


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

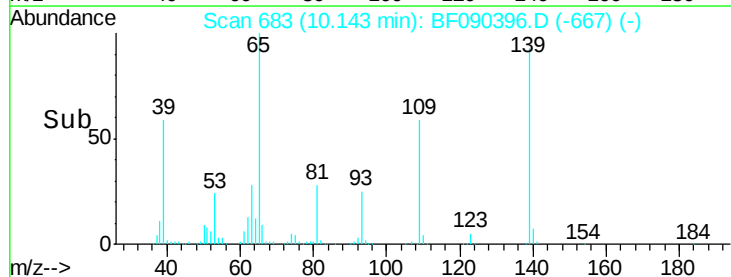
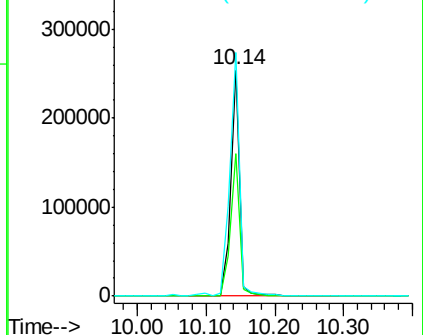


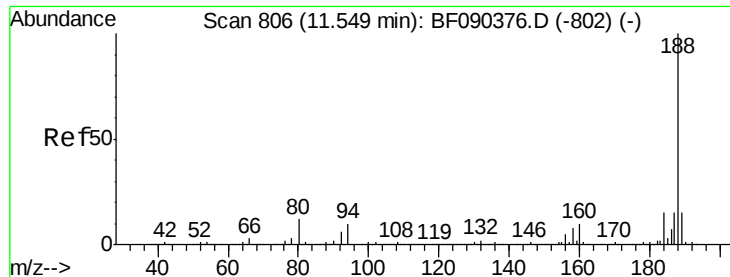
#55
 4-Nitrophenol
 Concen: 31.03 ng
 RT: 10.14 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF090396.D
 Acq: 5 Oct 2016 22:51

Tgt Ion:139 Resp: 231398
 Ion Ratio Lower Upper
 139 100
 109 63.2 43.6 83.6
 65 107.8 87.5 127.5



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

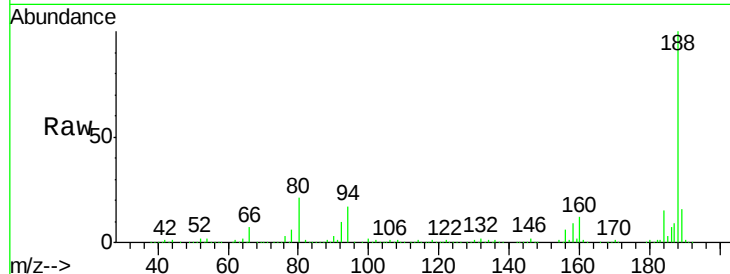




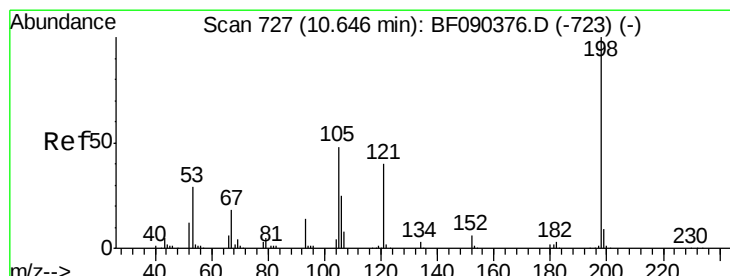
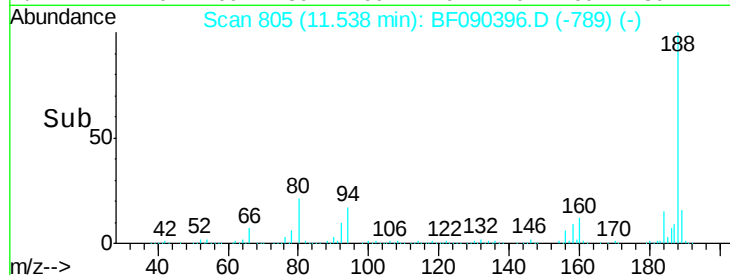
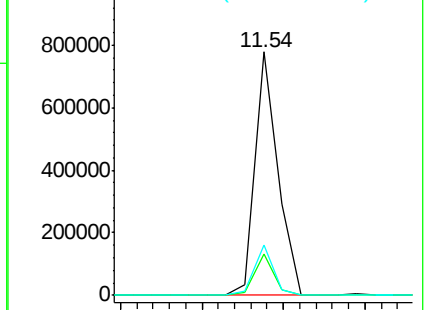
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:188 Resp: 760162
Ion Ratio Lower Upper
188 100
94 17.2 8.2 12.2#
80 20.7 8.8 13.2#

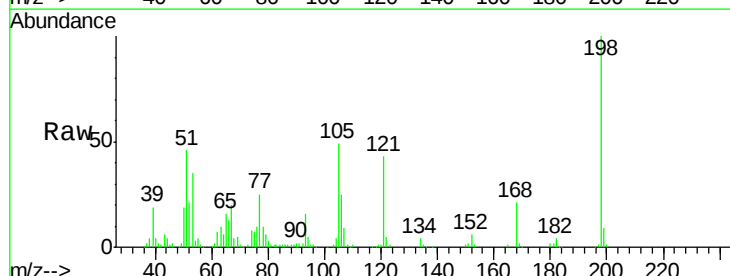


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

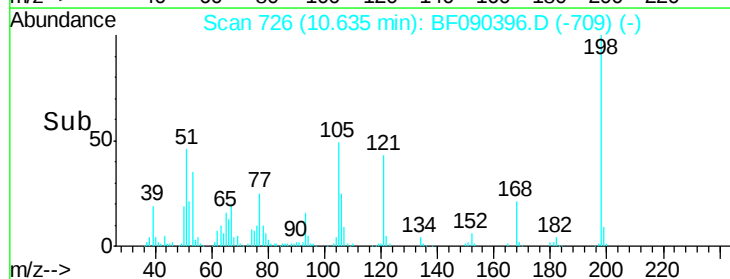
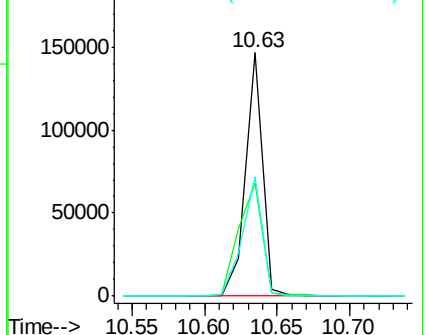


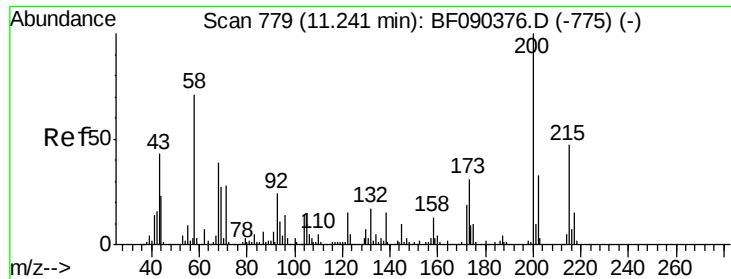
#64
4,6-Dinitro-2-methylphenol
Concen: 26.20 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion:198 Resp: 120165
Ion Ratio Lower Upper
198 100
51 46.4 67.3 107.3#
105 49.3 42.6 82.6



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

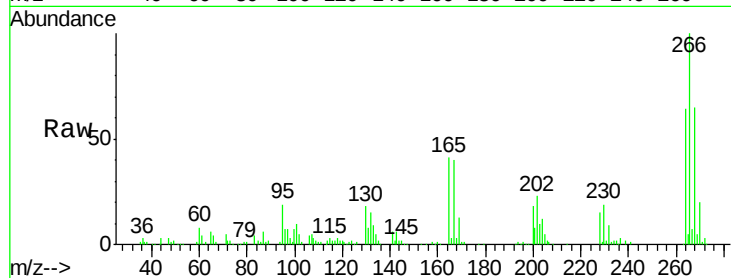




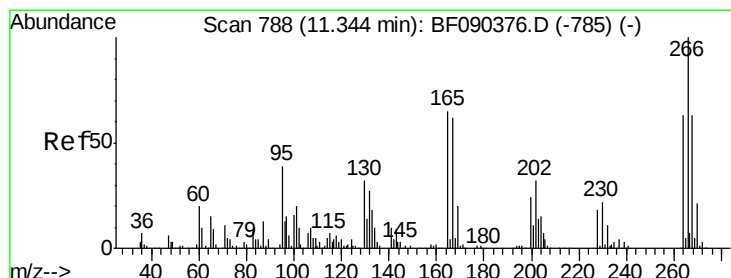
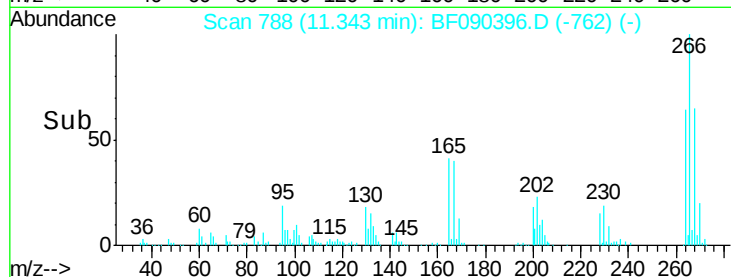
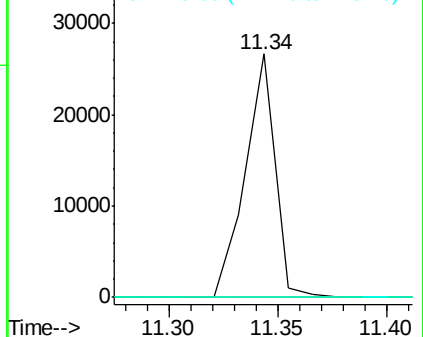
#68
Atrazine
Concen: 4.06 ng
RT: 11.34 min Scan# 788
Delta R.T. 0.10 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:200 Resp: 25478
Ion Ratio Lower Upper
200 100
173 0.0 9.0 49.0#
215 0.0 24.8 64.8#

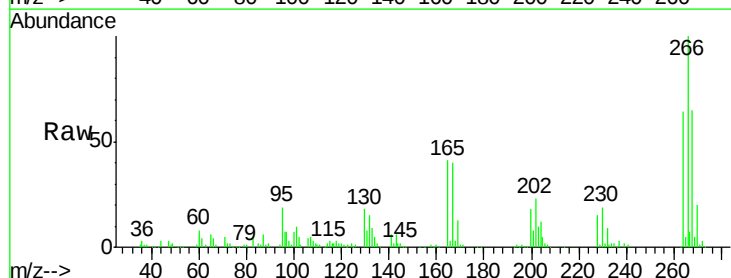


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

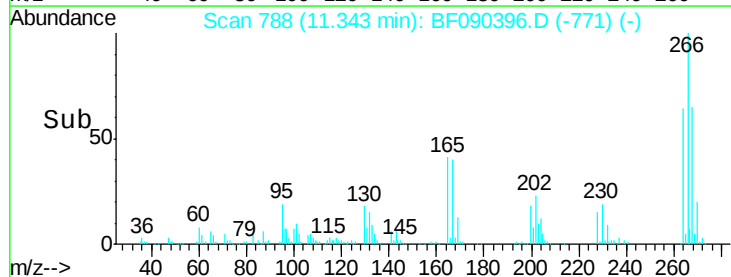
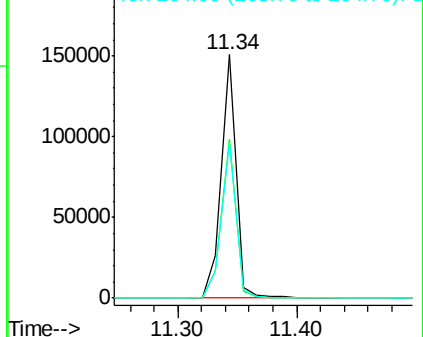


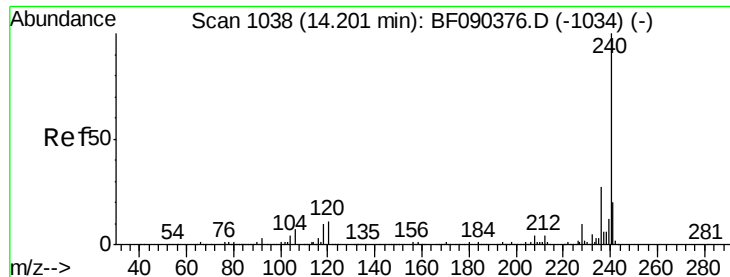
#69
Pentachlorophenol
Concen: 26.13 ng
RT: 11.34 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Tgt Ion:266 Resp: 129055
Ion Ratio Lower Upper
266 100
268 65.5 50.9 76.3
264 63.9 51.5 77.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

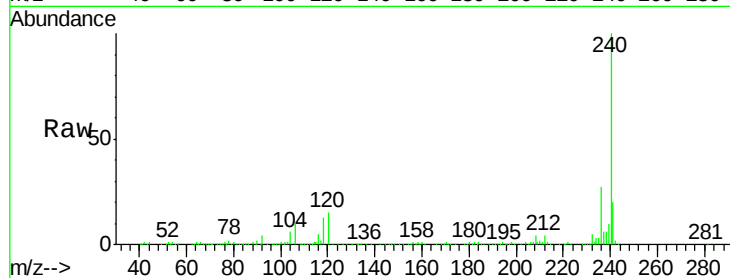
Tgt Ion:240 Resp: 623396

Ion Ratio Lower Upper

240 100

120 14.6 8.6 13.0#

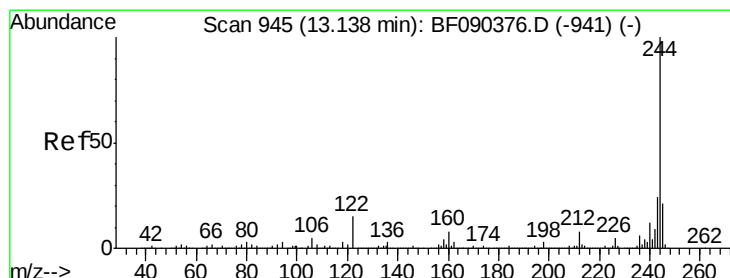
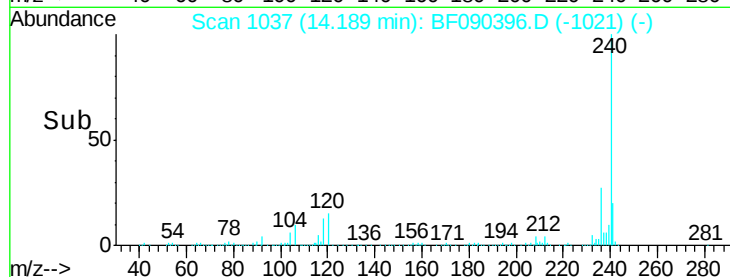
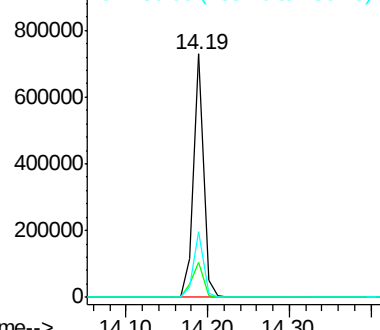
236 27.0 21.6 32.4



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: 18.83 ng

RT: 13.13 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF090396.D

Acq: 5 Oct 2016 22:51

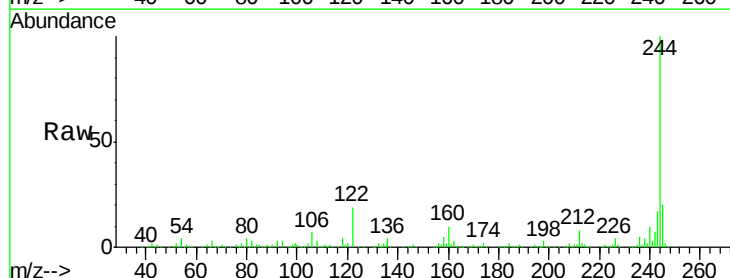
Tgt Ion:244 Resp: 522067

Ion Ratio Lower Upper

244 100

212 7.7 6.8 10.2

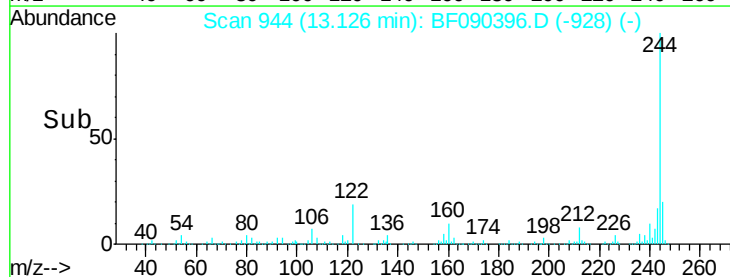
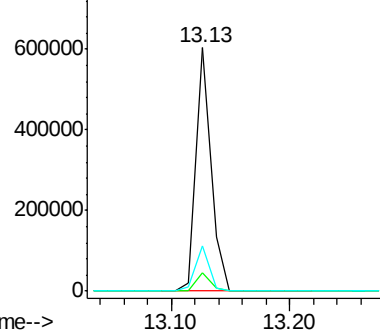
122 18.5 13.3 19.9

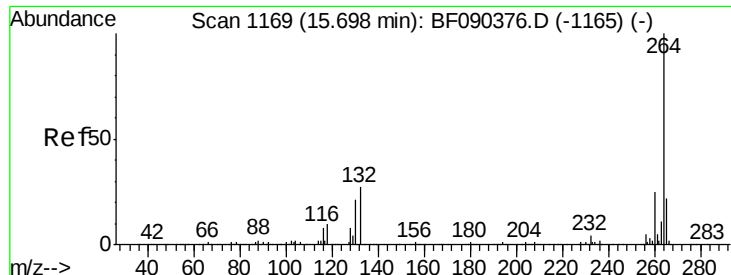


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

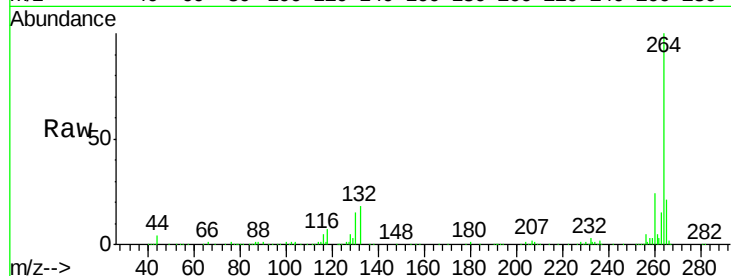




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090396.D
Acq: 5 Oct 2016 22:51

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.3	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

