

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031115\
 Data File : BF077692.D
 Acq On : 11 Mar 2015 17:13
 Operator : TP/IZ
 Sample : G1457-06
 Misc : W/ACID
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Mar 12 04:10:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 12 02:24:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.17	152	47192	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	189480	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	98518	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	218042	20.00	ng	0.00
75) Chrysene-d12	16.03	240	202211	20.00	ng	0.00
86) Perylene-d12	17.72	264	190845	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	453246	167.65	ng	0.00
7) Phenol-d6	6.74	99	572569	171.41	ng	0.00
23) Nitrobenzene-d5	7.87	82	337102	116.62	ng	0.01
41) 2,4,6-Tribromophenol	11.89	330	164526	174.54	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	760539	113.45	ng	0.00
78) Terphenyl-d14	14.75	244	955929	115.47	ng	0.00

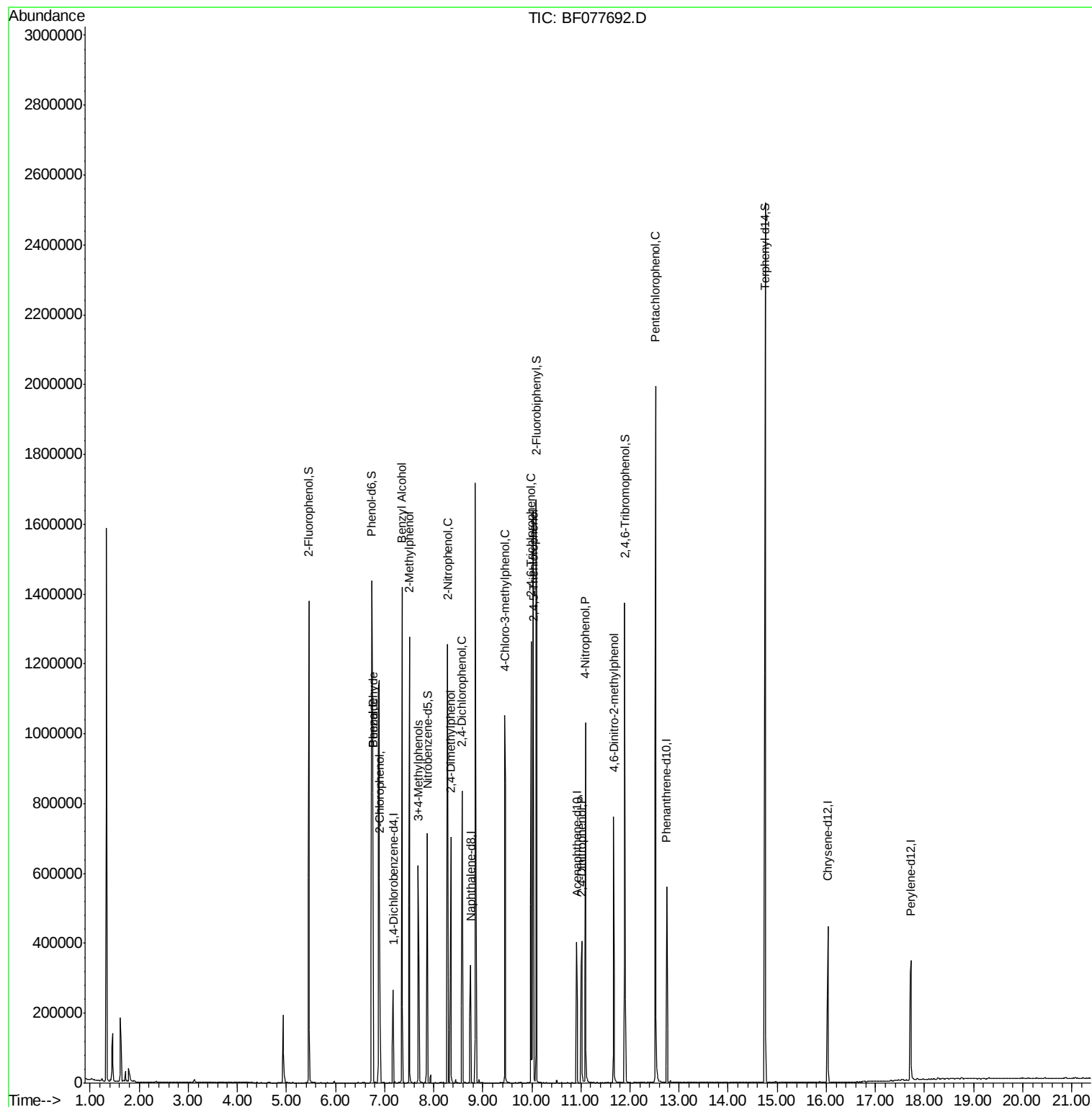
Target Compounds				Qvalue		
8) 2-Chlorophenol	6.90	128	158973	49.40	ng	99
9) Benzaldehyde	6.76	77	4139	3.02	ng	# 2
10) Phenol	6.76	94	405047	102.58	ng	# 65
15) Benzyl Alcohol	7.36	79	6102	2.34	ng	# 51
17) 2-Methylphenol	7.50	107	251363	95.95	ng	99
20) 3+4-Methylphenols	7.69	107	205540	59.79	ng	89
26) 2-Nitrophenol	8.28	139	236137	154.89	ng	# 89
27) 2,4-Dimethylphenol	8.35	122	144409	51.99	ng	99
29) 2,4-Dichlorophenol	8.58	162	178932	67.59	ng	98
36) 4-Chloro-3-methylphenol	9.45	107	304893	114.46	ng	83
42) 2,4,6-Trichlorophenol	9.98	196	209154	102.76	ng	98
43) 2,4,5-Trichlorophenol	10.03	196	351708	159.94	ng	97
53) 2,4-Dinitrophenol	11.01	184	83410	142.86	ng	# 65
55) 4-Nitrophenol	11.09	139	180085	138.20	ng	84
64) 4,6-Dinitro-2-methylphenol	11.66	198	134795	123.51	ng	92
69) Pentachlorophenol	12.52	266	268353	195.76	ng	99
76) Benzidine	14.44	184	2051	Below Cal	#	68

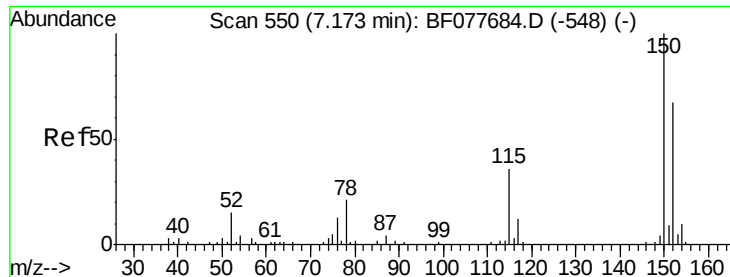
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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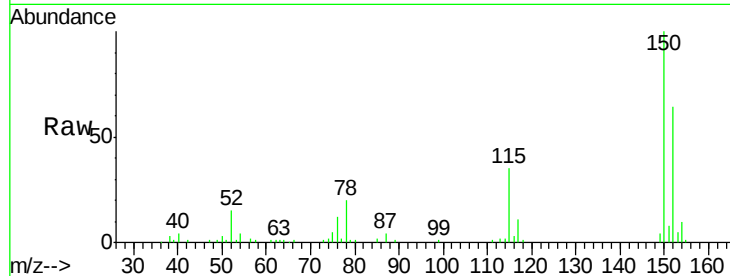


#1

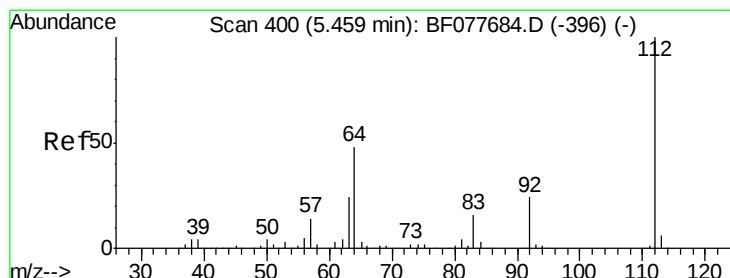
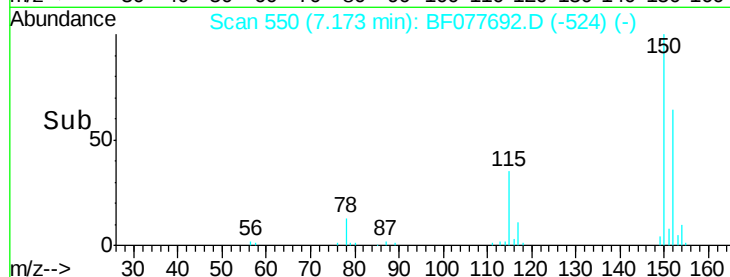
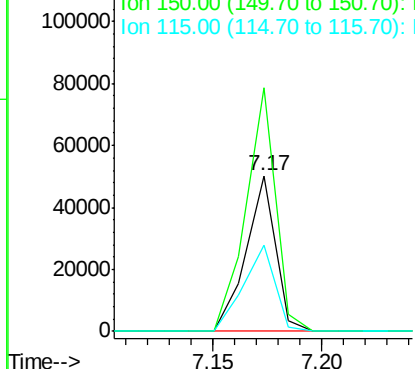
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.17 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:152 Resp: 47192
Ion Ratio Lower Upper
152 100
150 156.8 119.5 179.3
115 55.3 43.0 64.4



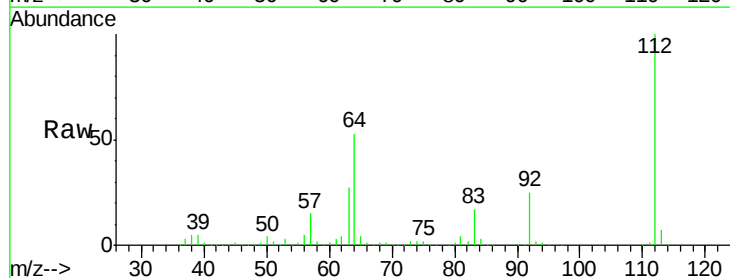
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



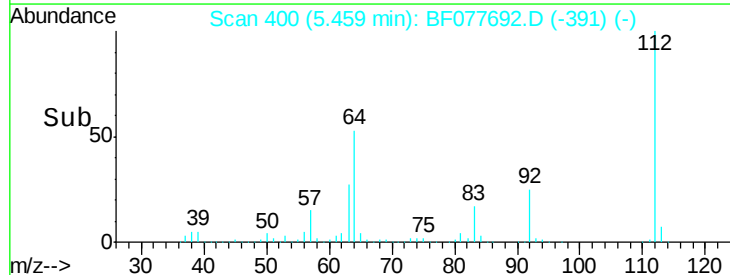
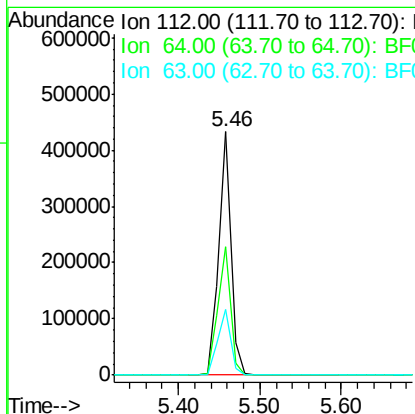
#5

2-Fluorophenol
Concen: 167.65 ng
RT: 5.46 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

Tgt Ion:112 Resp: 453246
Ion Ratio Lower Upper
112 100
64 52.6 38.6 57.8
63 27.0 19.3 28.9



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: 171.41 ng

RT: 6.74 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

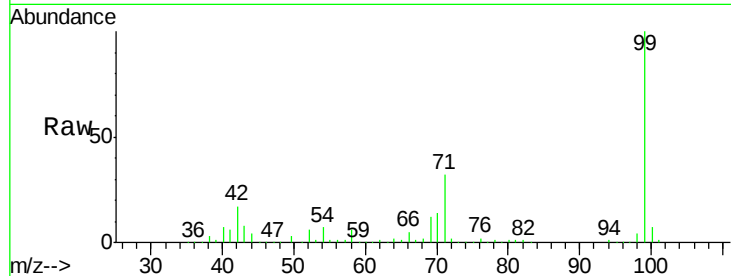
Tgt Ion: 99 Resp: 572569

Ion Ratio Lower Upper

99 100

42 16.6 11.0 16.4#

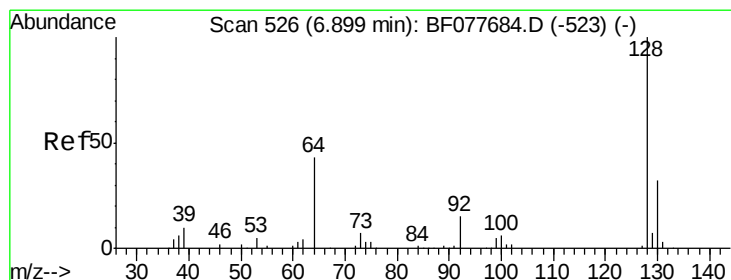
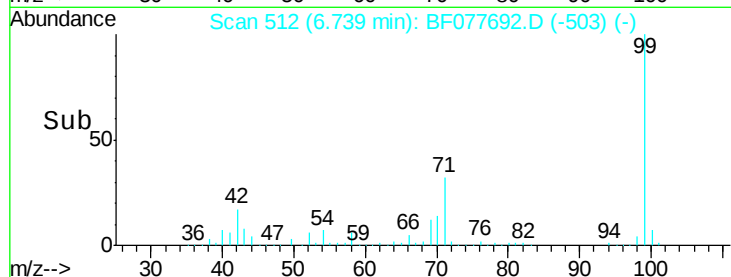
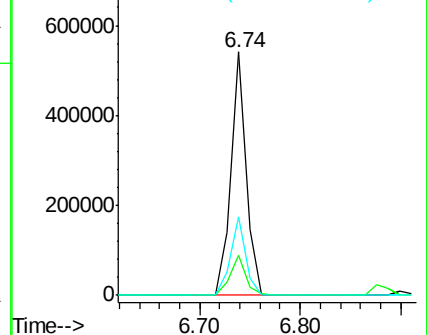
71 32.2 23.4 35.2



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: 49.40 ng

RT: 6.90 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

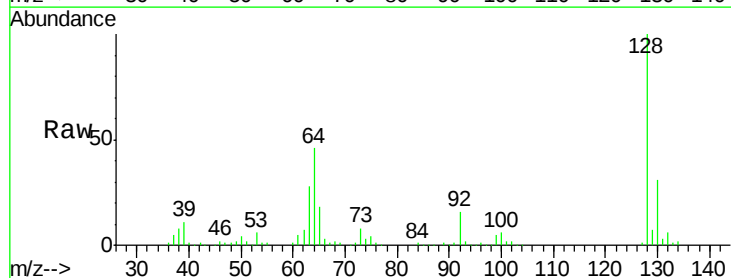
Tgt Ion: 128 Resp: 158973

Ion Ratio Lower Upper

128 100

130 31.4 12.0 52.0

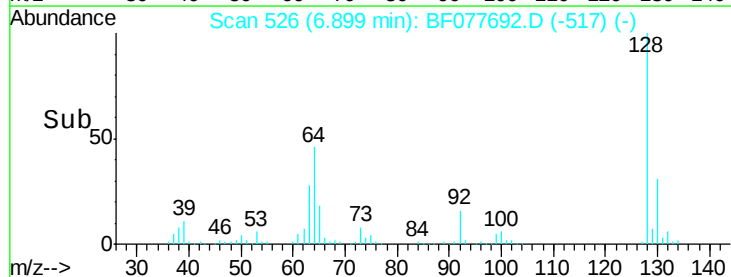
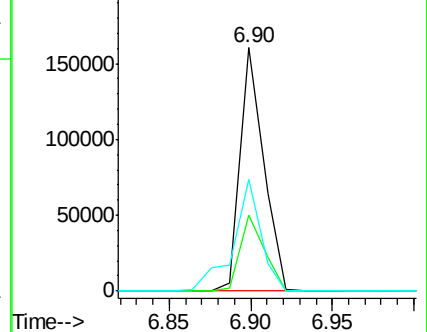
64 46.1 24.9 64.9

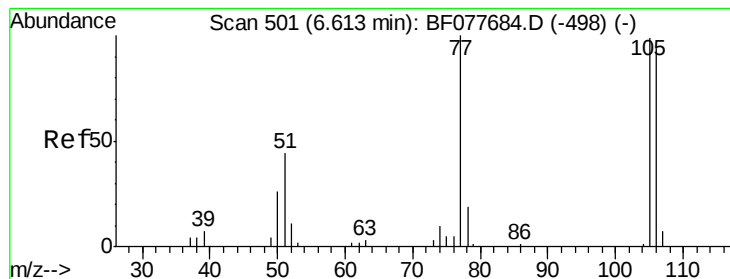


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.02 ng

RT: 6.76 min Scan# 514

Delta R.T. 0.15 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

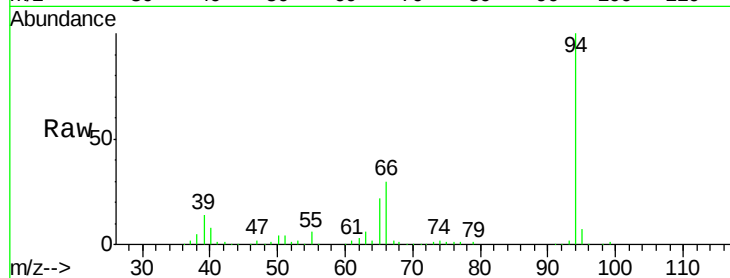
Tgt Ion: 77 Resp: 4139

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

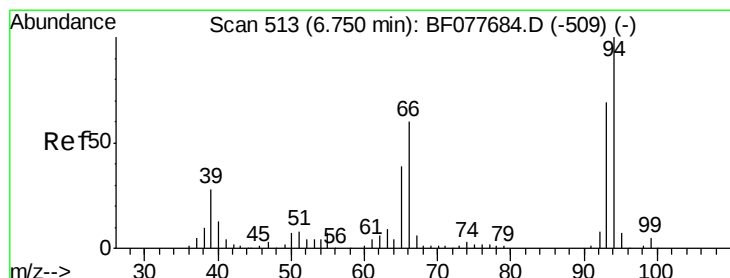
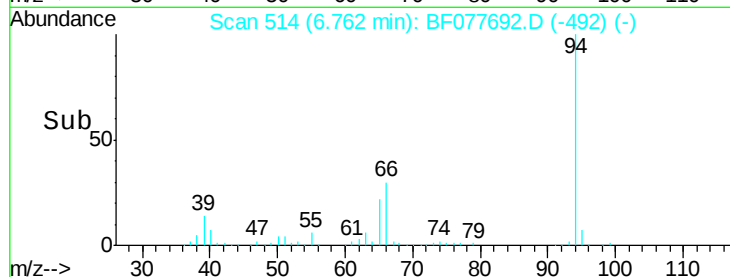
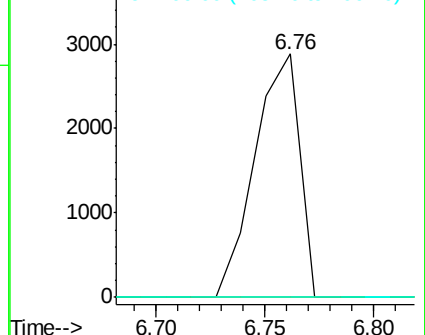
106 0.0 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 102.58 ng

RT: 6.76 min Scan# 514

Delta R.T. 0.01 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

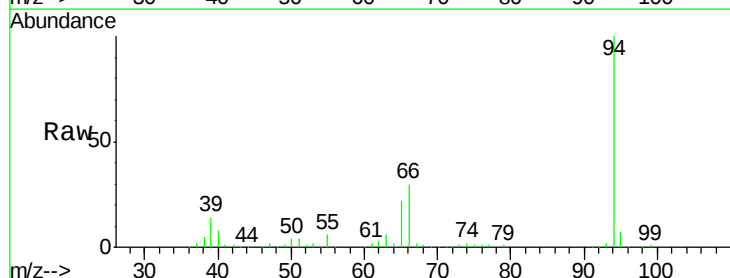
Tgt Ion: 94 Resp: 405047

Ion Ratio Lower Upper

94 100

65 22.0 18.8 58.8

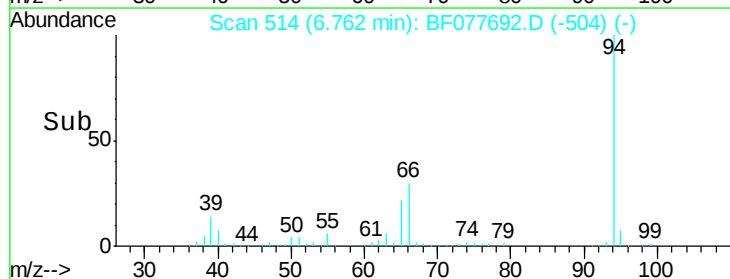
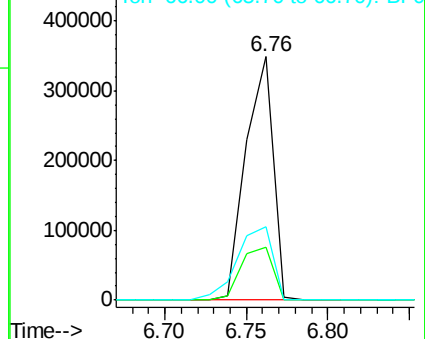
66 29.9 39.9 79.9#

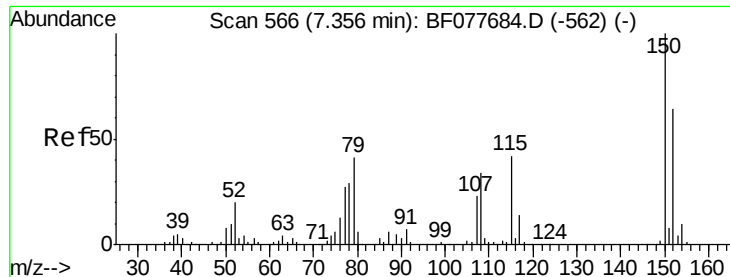


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 7.36 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

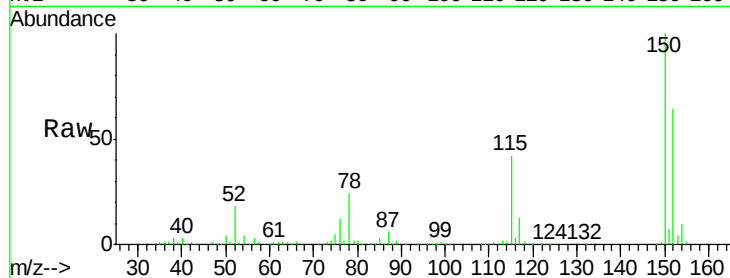
Tgt Ion: 79 Resp: 6102

Ion Ratio Lower Upper

79 100

108 28.2 65.0 97.4#

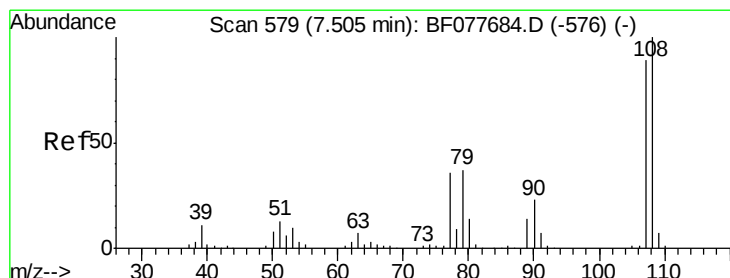
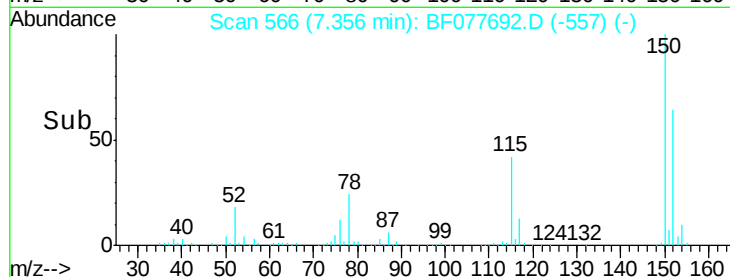
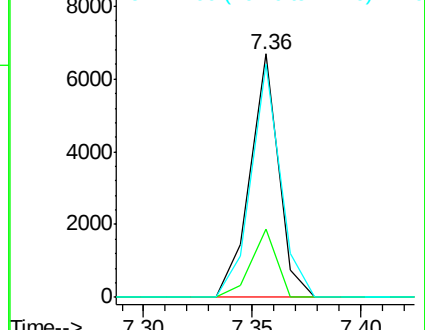
77 95.8 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 95.95 ng

RT: 7.50 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Tgt Ion: 107 Resp: 251363

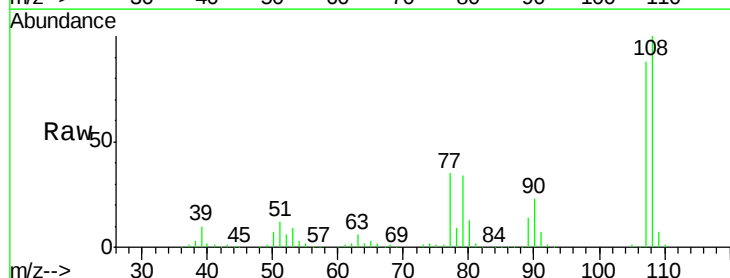
Ion Ratio Lower Upper

107 100

108 113.3 89.8 134.8

77 39.9 32.6 48.8

79 39.0 32.8 49.2

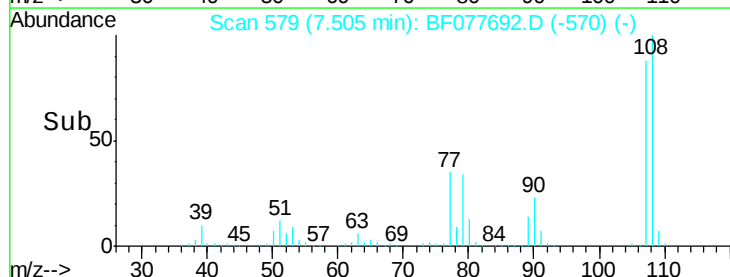
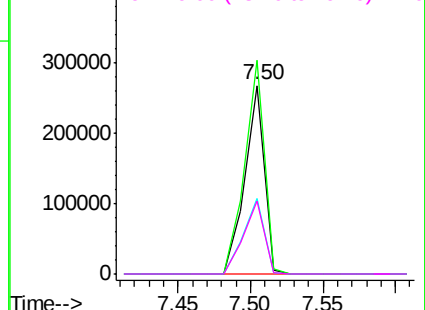


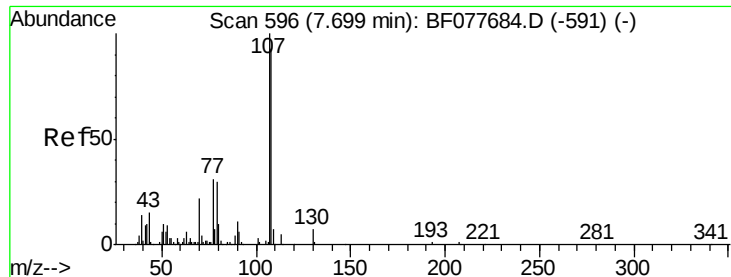
Abundance Ion 107.00 (106.70 to 107.70): E

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





#20

3+4-Methylphenols

Concen: 59.79 ng

RT: 7.69 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

Tgt Ion:107 Resp: 205540

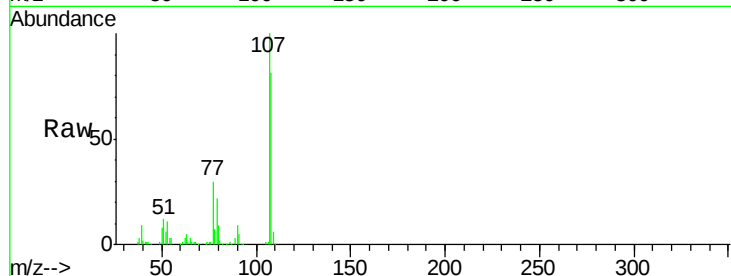
Ion Ratio Lower Upper

107 100

108 81.0 73.2 113.2

77 30.4 10.7 50.7

79 21.9 9.6 49.6

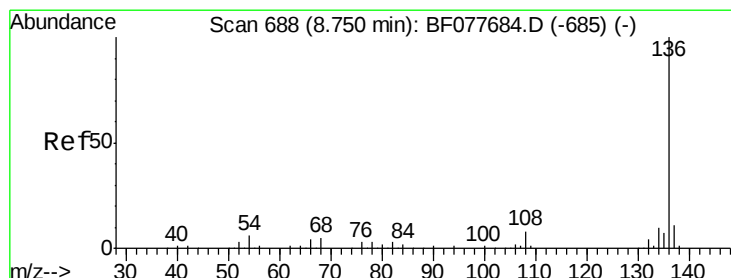
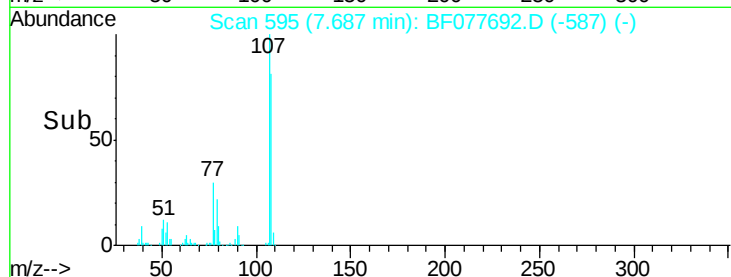
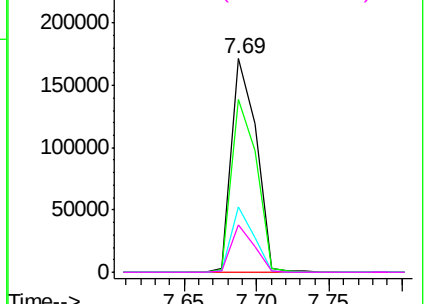


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Tgt Ion:136 Resp: 189480

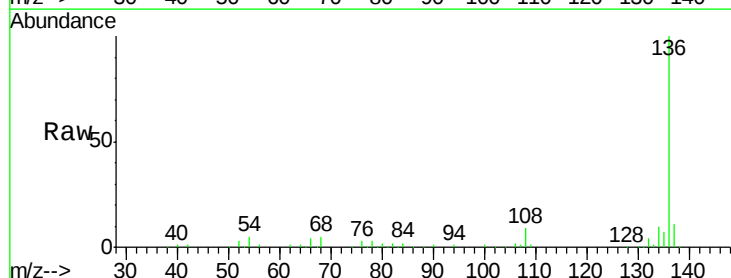
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 5.2 4.6 6.8

68 4.7 3.7 5.5

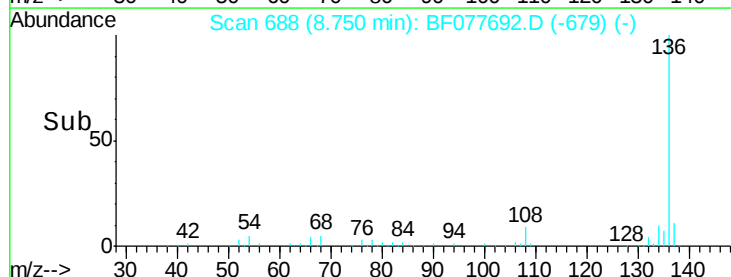
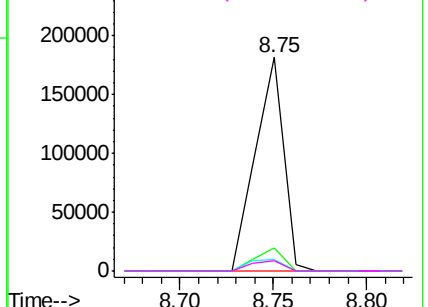


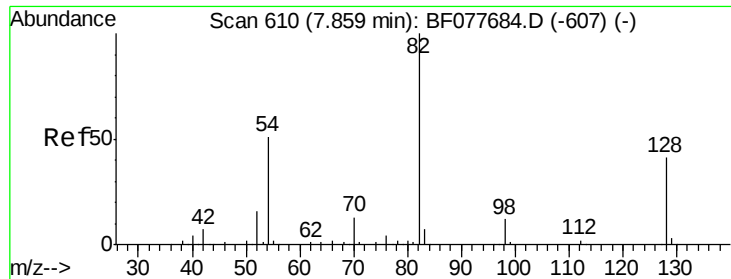
Abundance Ion 136.00 (135.70 to 136.70): E

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: 116.62 ng

RT: 7.87 min Scan# 611

Delta R.T. 0.01 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

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ClientSampleId :

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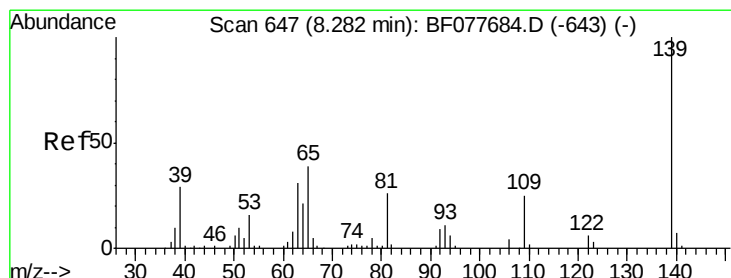
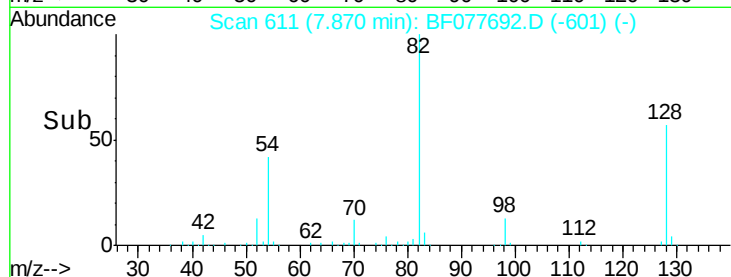
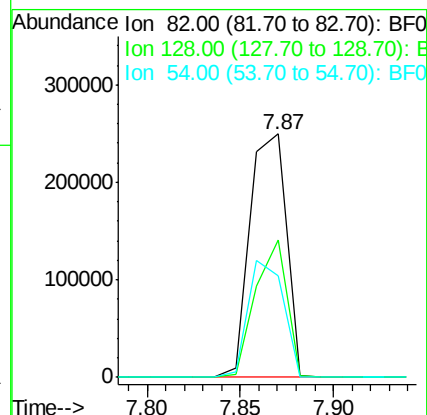
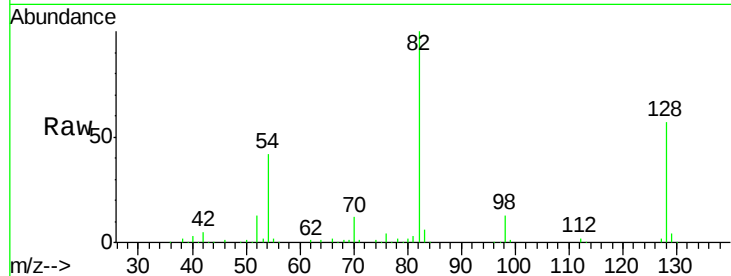
Tgt Ion: 82 Resp: 337102

Ion Ratio Lower Upper

82 100

128 56.5 32.8 49.2#

54 41.8 40.6 60.8



#26

2-Nitrophenol

Concen: 154.89 ng

RT: 8.28 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

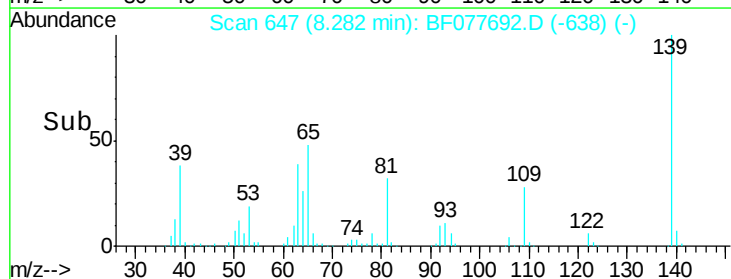
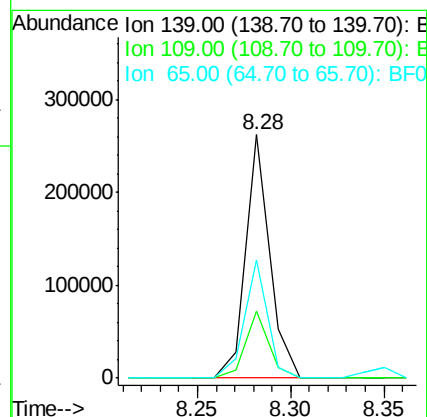
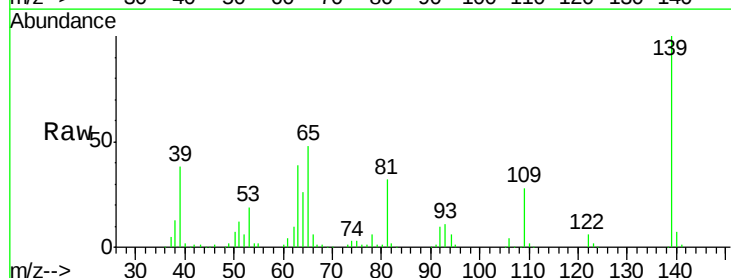
Tgt Ion: 139 Resp: 236137

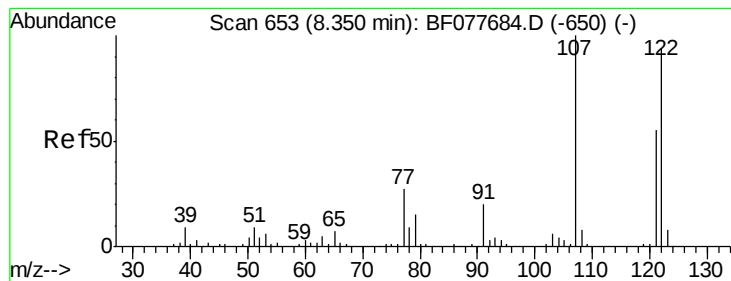
Ion Ratio Lower Upper

139 100

109 27.6 20.1 30.1

65 48.4 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 51.99 ng

RT: 8.35 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

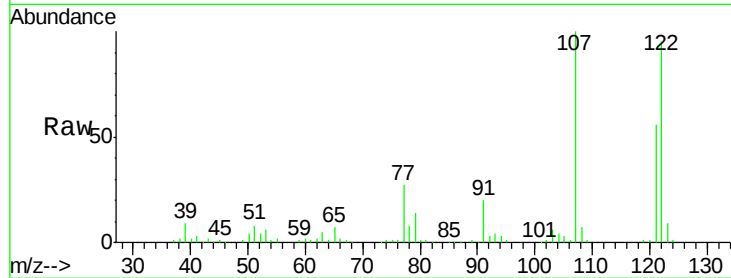
Tgt Ion:122 Resp: 144409

Ion Ratio Lower Upper

122 100

107 104.8 84.7 127.1

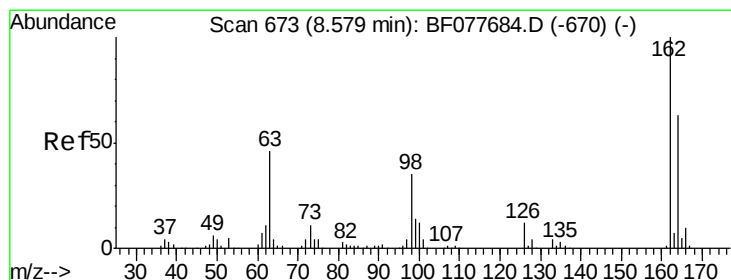
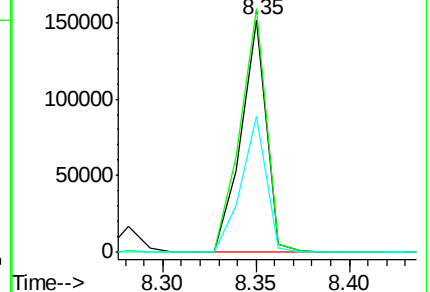
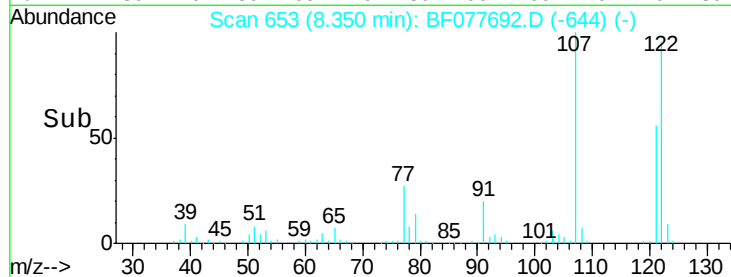
121 58.6 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#29

2,4-Dichlorophenol

Concen: 67.59 ng

RT: 8.58 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF077692.D

Acq: 11 Mar 2015 17:13

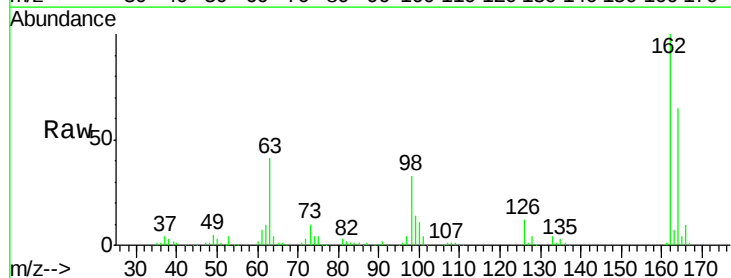
Tgt Ion:162 Resp: 178932

Ion Ratio Lower Upper

162 100

164 64.7 42.8 82.8

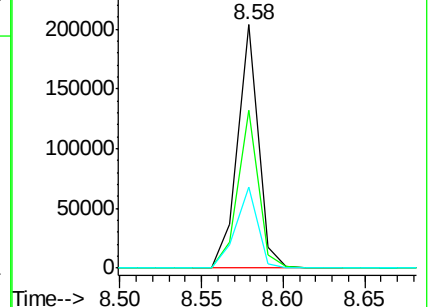
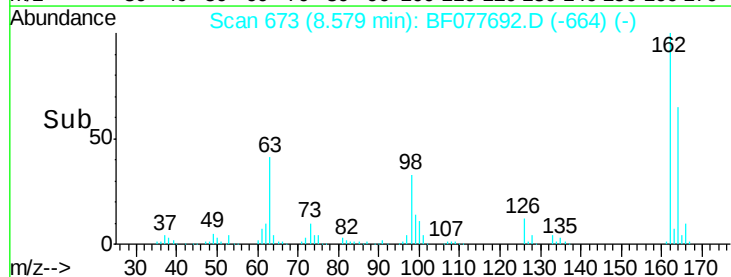
98 33.2 14.5 54.5

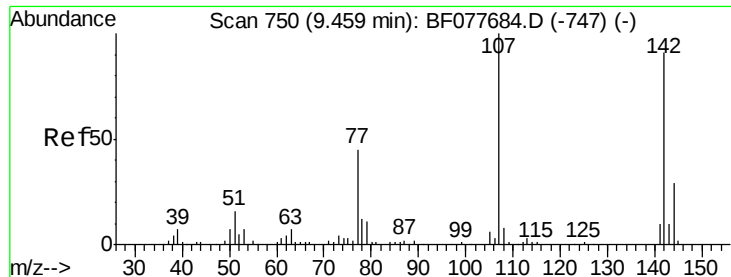


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0

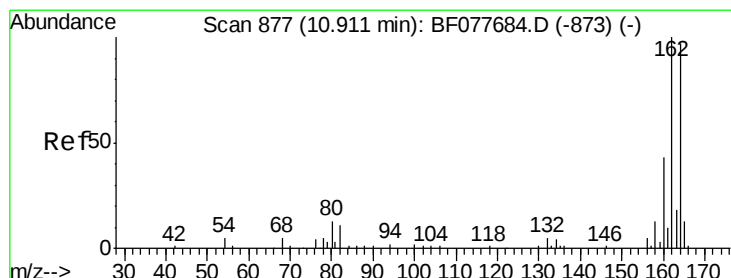
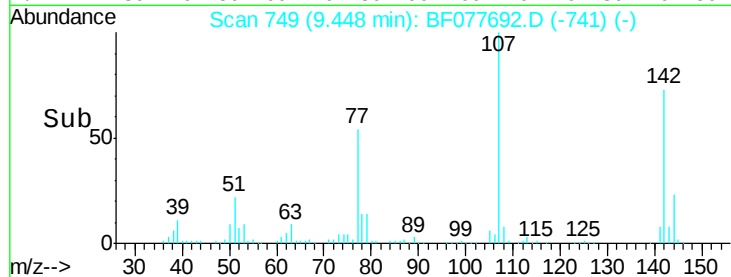
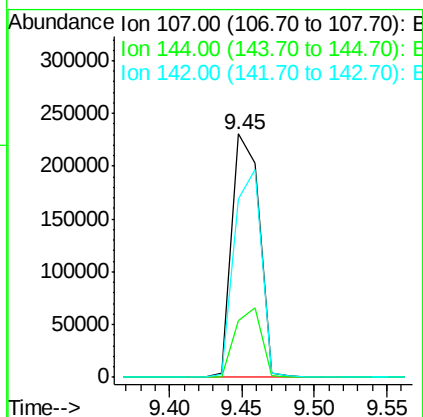
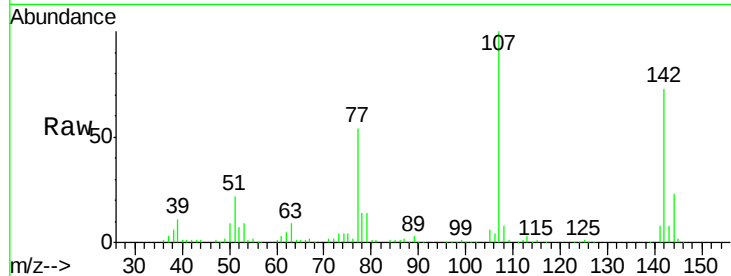




#36
 4-Chloro-3-methylphenol
 Concen: 114.46 ng
 RT: 9.45 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

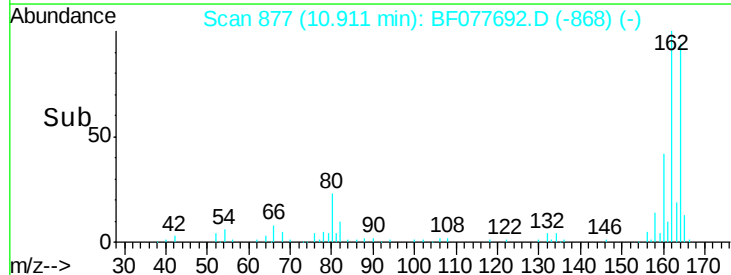
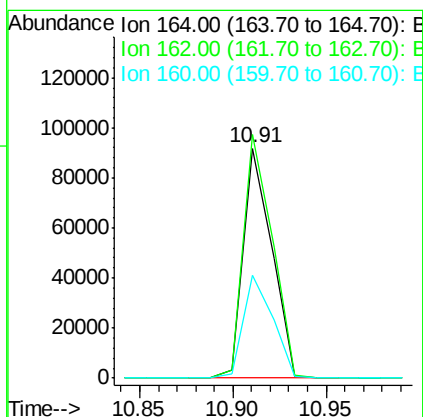
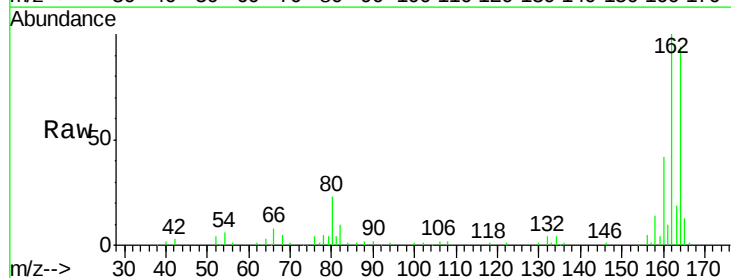
Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

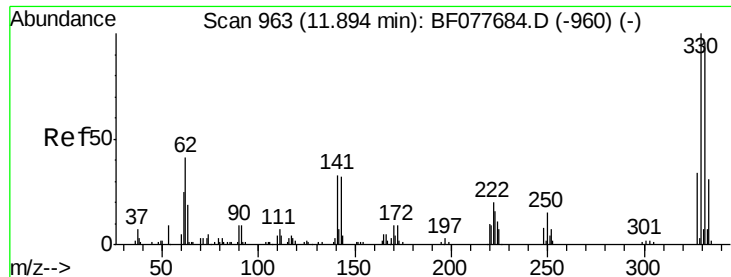
Tgt Ion:107 Resp: 304893
 Ion Ratio Lower Upper
 107 100
 144 23.3 23.3 34.9
 142 73.2 72.6 109.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Tgt Ion:164 Resp: 98518
 Ion Ratio Lower Upper
 164 100
 162 106.1 82.4 123.6
 160 44.9 35.8 53.6

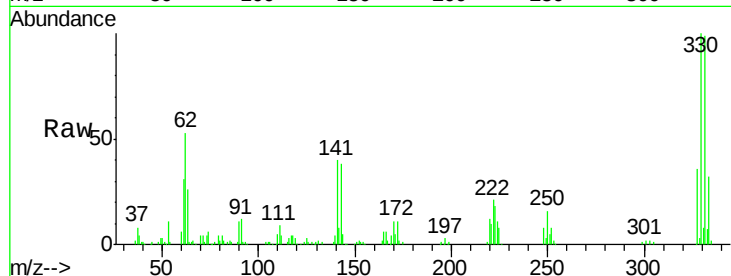




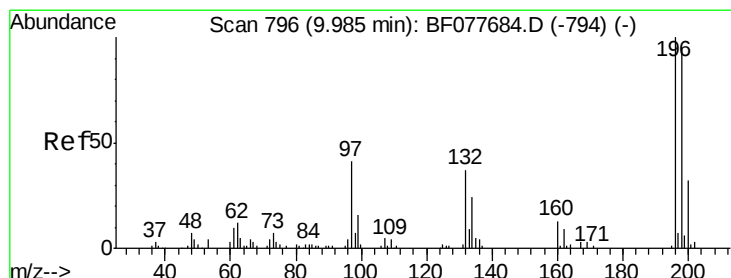
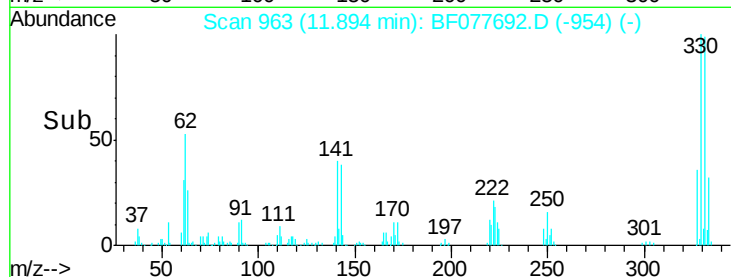
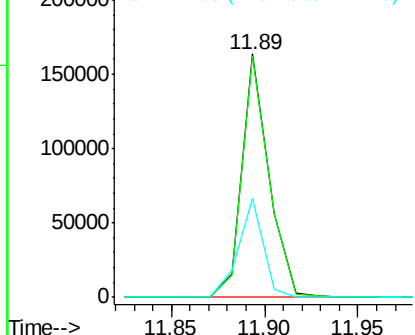
#41
 2,4,6-Tribromophenol
 Concen: 174.54 ng
 RT: 11.89 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:330 Resp: 164526
 Ion Ratio Lower Upper
 330 100
 332 99.4 0.0 0.0#
 141 37.8 0.0 0.0#

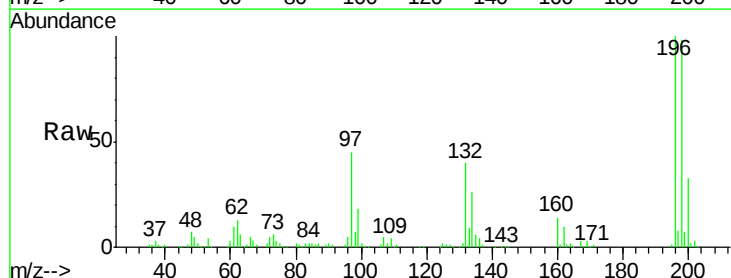


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

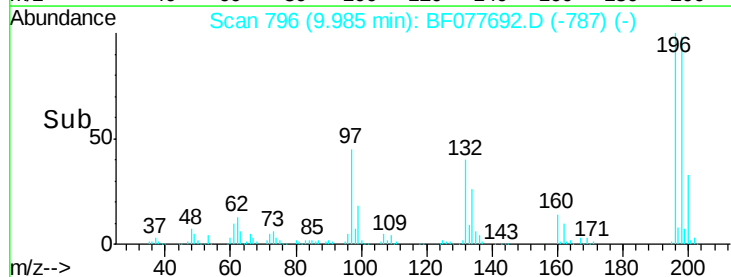
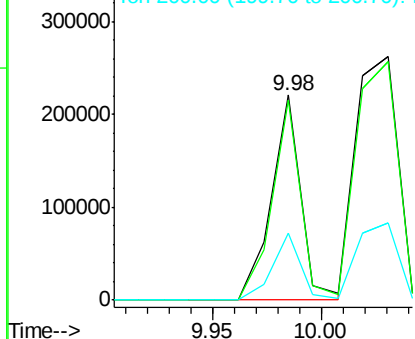


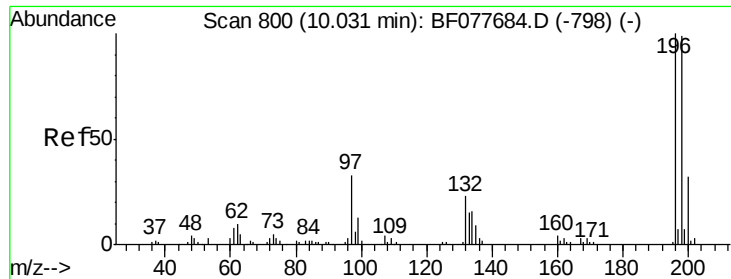
#42
 2,4,6-Trichlorophenol
 Concen: 102.76 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Tgt Ion:196 Resp: 209154
 Ion Ratio Lower Upper
 196 100
 198 97.7 76.3 114.5
 200 32.5 25.6 38.4



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

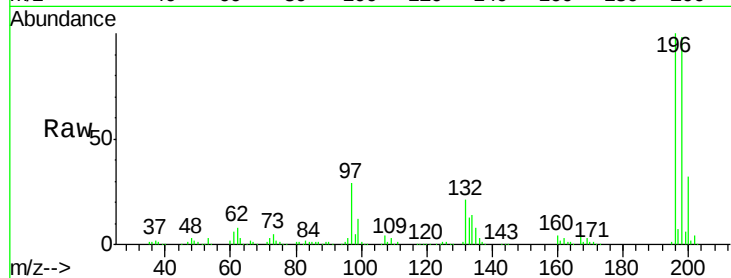




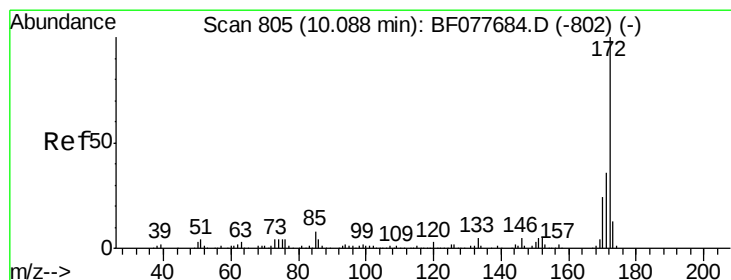
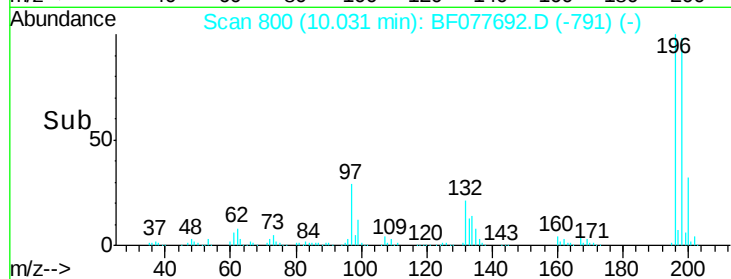
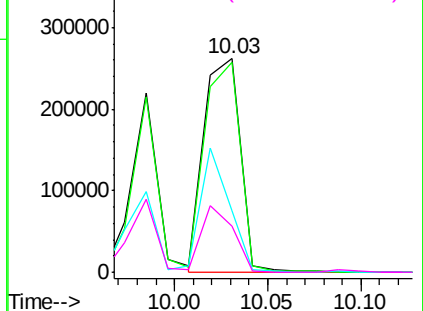
#43
 2,4,5-Trichlorophenol
 Concen: 159.94 ng
 RT: 10.03 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.4	119.0
97	29.0	26.8	40.2
132	21.3	18.6	28.0

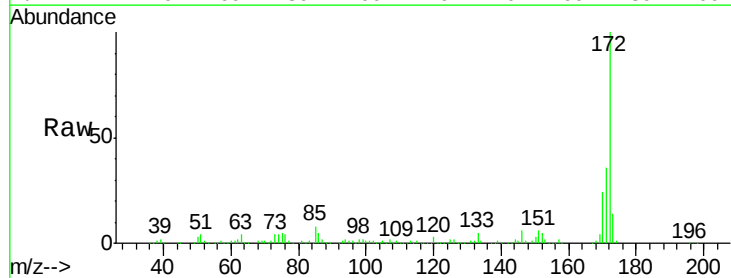


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

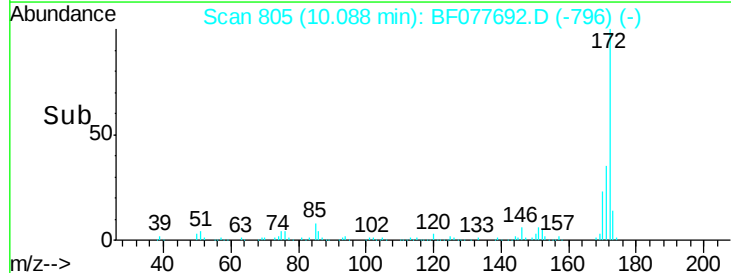
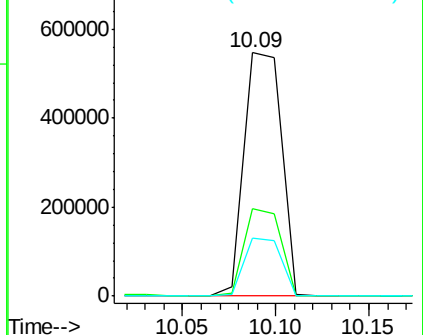


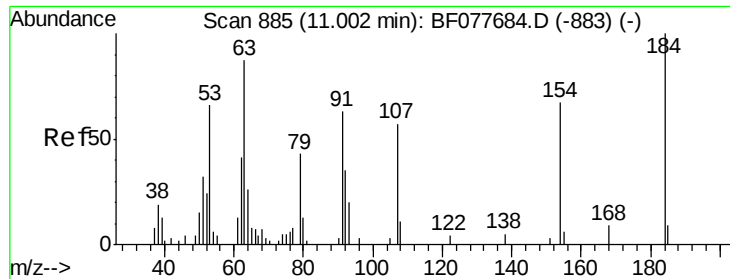
#44
 2-Fluorobiphenyl
 Concen: 113.45 ng
 RT: 10.09 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.6	18.8	28.2



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

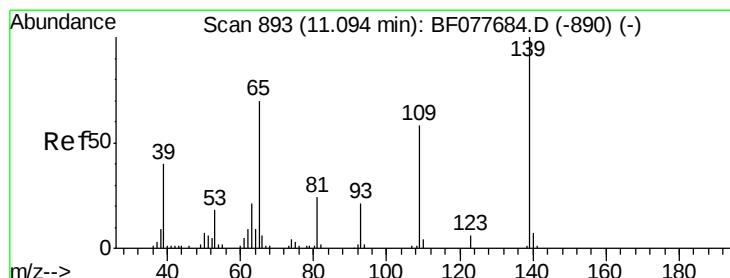
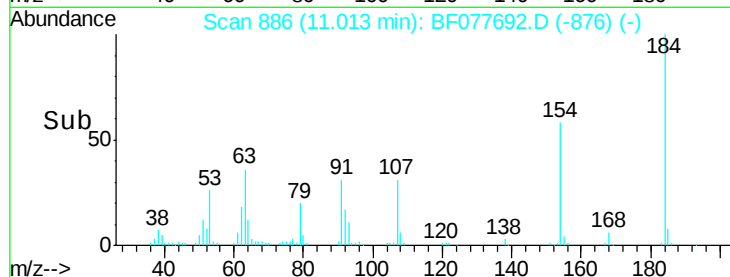
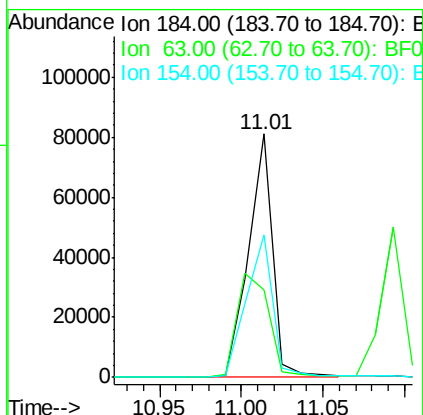
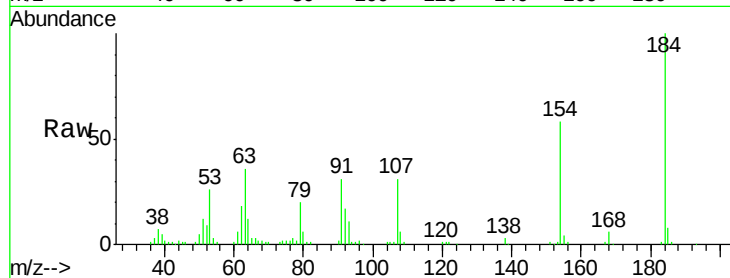




#53
2,4-Dinitrophenol
Concen: 142.86 ng
RT: 11.01 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

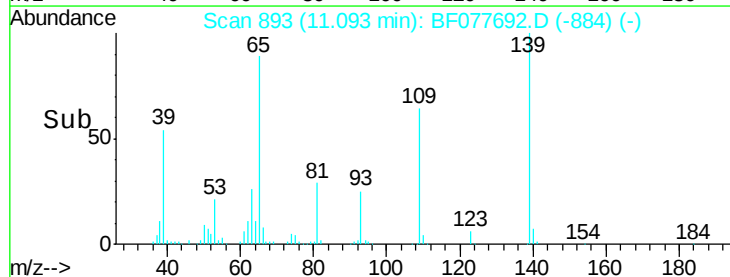
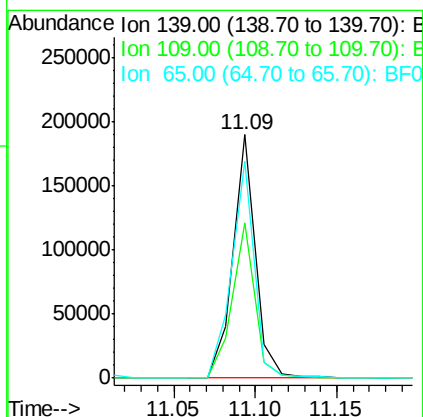
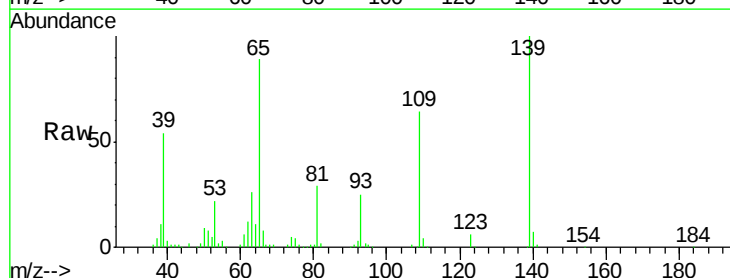
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

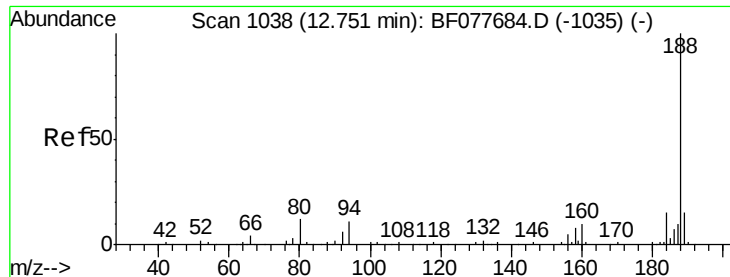
Tgt Ion:184 Resp: 83410
Ion Ratio Lower Upper
184 100
63 36.1 69.2 103.8#
154 58.3 53.3 79.9



#55
4-Nitrophenol
Concen: 138.20 ng
RT: 11.09 min Scan# 893
Delta R.T. -0.00 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

Tgt Ion:139 Resp: 180085
Ion Ratio Lower Upper
139 100
109 63.9 37.7 77.7
65 88.8 49.9 89.9

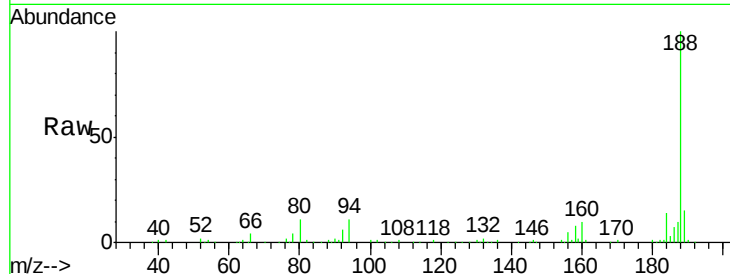




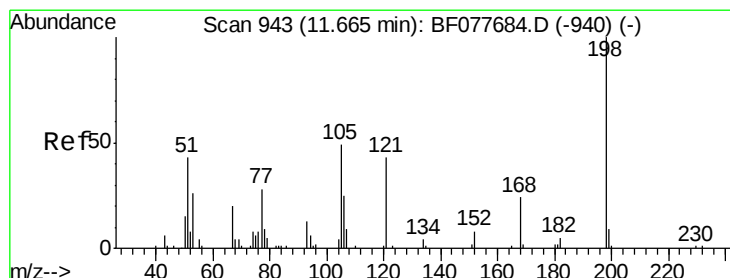
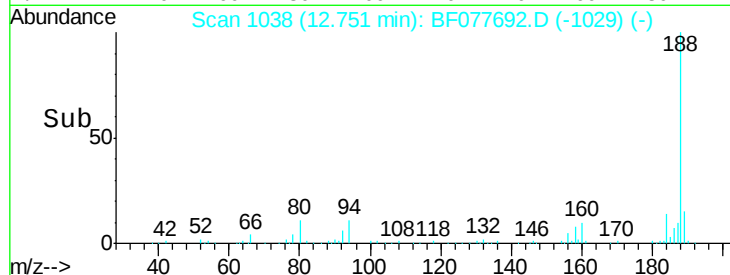
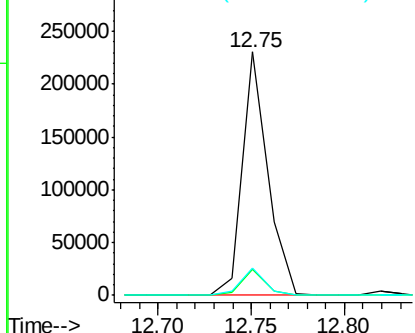
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tgt Ion:188 Resp: 218042
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.1 9.3 13.9

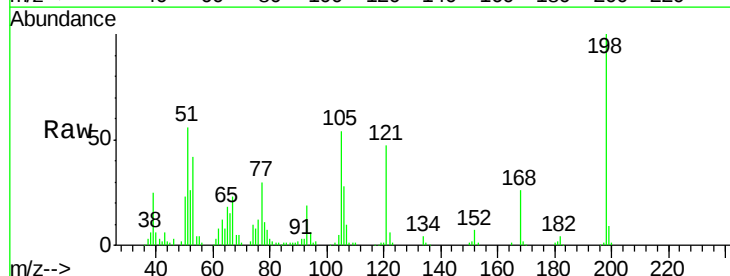


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

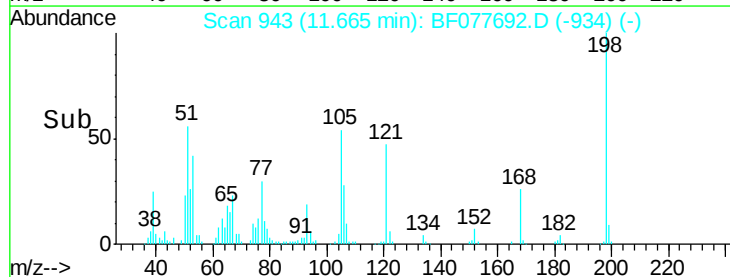
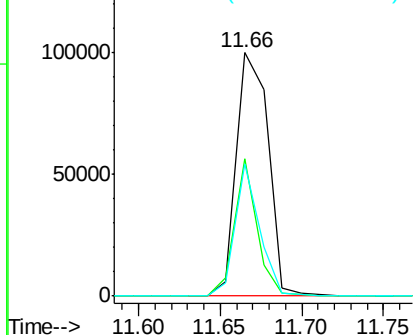


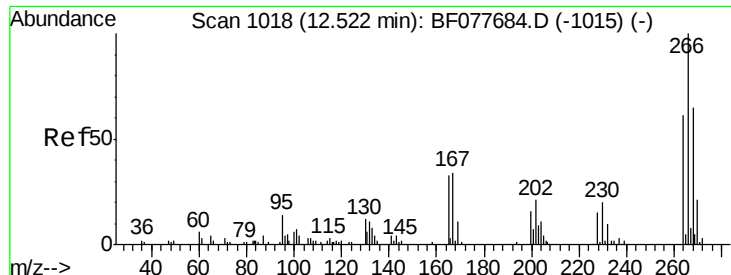
#64
4,6-Dinitro-2-methylphenol
Concen: 123.51 ng
RT: 11.66 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF077692.D
Acq: 11 Mar 2015 17:13

Tgt Ion:198 Resp: 134795
Ion Ratio Lower Upper
198 100
51 56.2 28.8 68.8
105 54.3 30.5 70.5



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

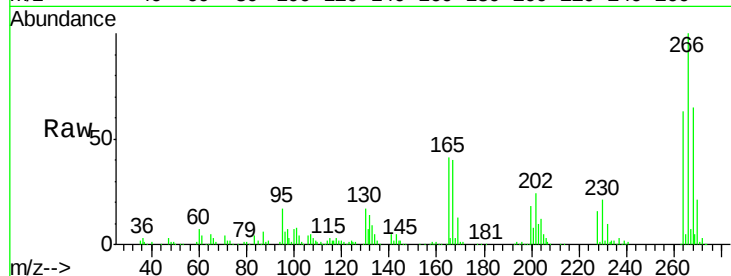




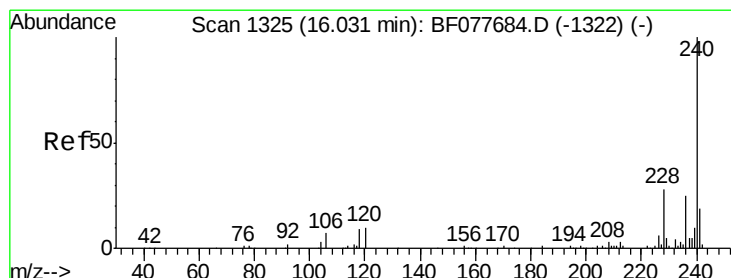
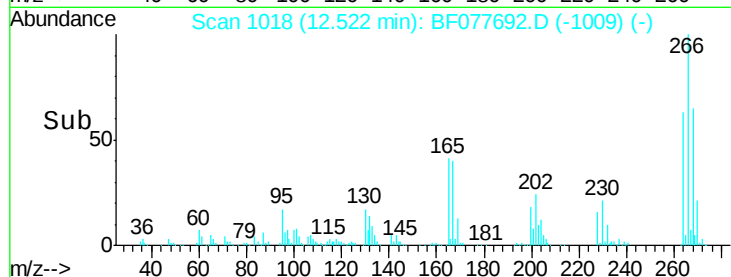
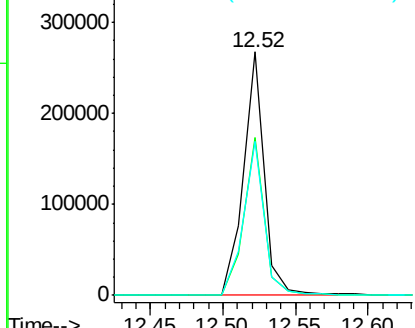
#69
 Pentachlorophenol
 Concen: 195.76 ng
 RT: 12.52 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion:266 Resp: 268353
 Ion Ratio Lower Upper
 266 100
 268 64.9 52.0 78.0
 264 63.3 49.0 73.4

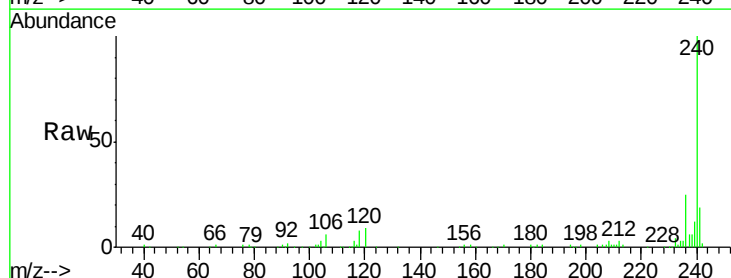


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

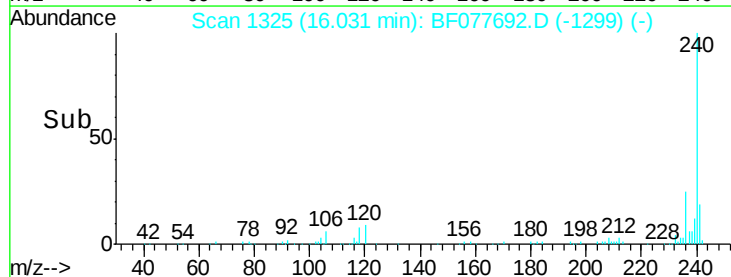
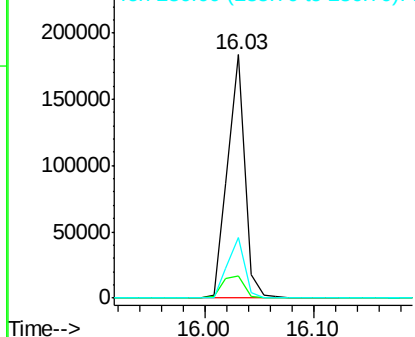


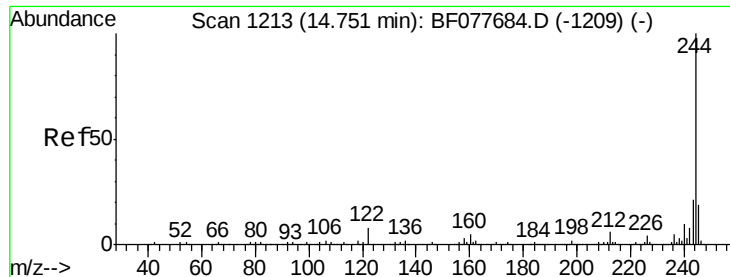
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.03 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Tgt Ion:240 Resp: 202211
 Ion Ratio Lower Upper
 240 100
 120 9.2 8.2 12.2
 236 25.1 20.0 30.0



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

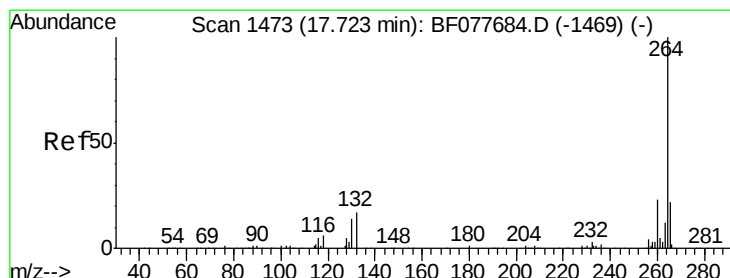
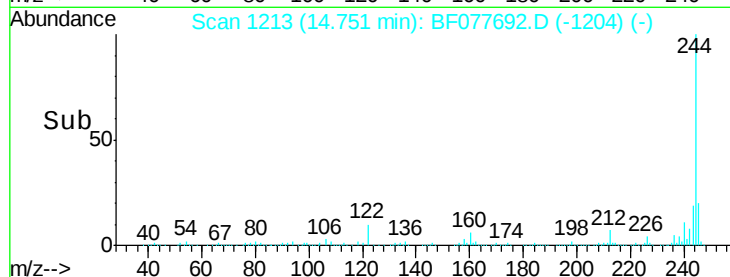
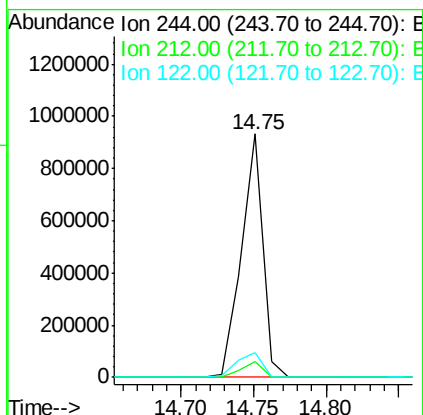
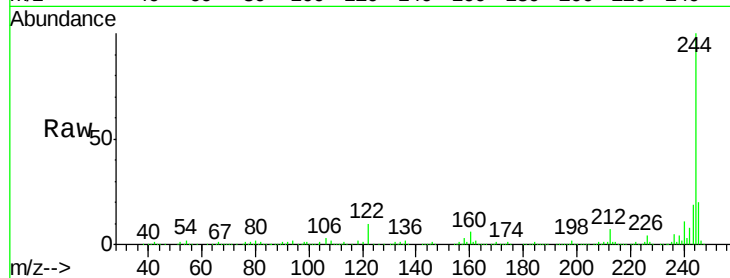




#78
 Terphenyl-d14
 Concen: 115.47 ng
 RT: 14.75 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	4.9	7.3
122	10.2	6.2	9.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF077692.D
 Acq: 11 Mar 2015 17:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.3	17.3	25.9

