

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090395.D
 Acq On : 5 Oct 2016 22:23
 Operator : UM/SJ
 Sample : H4803-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Oct 06 02:06:42 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

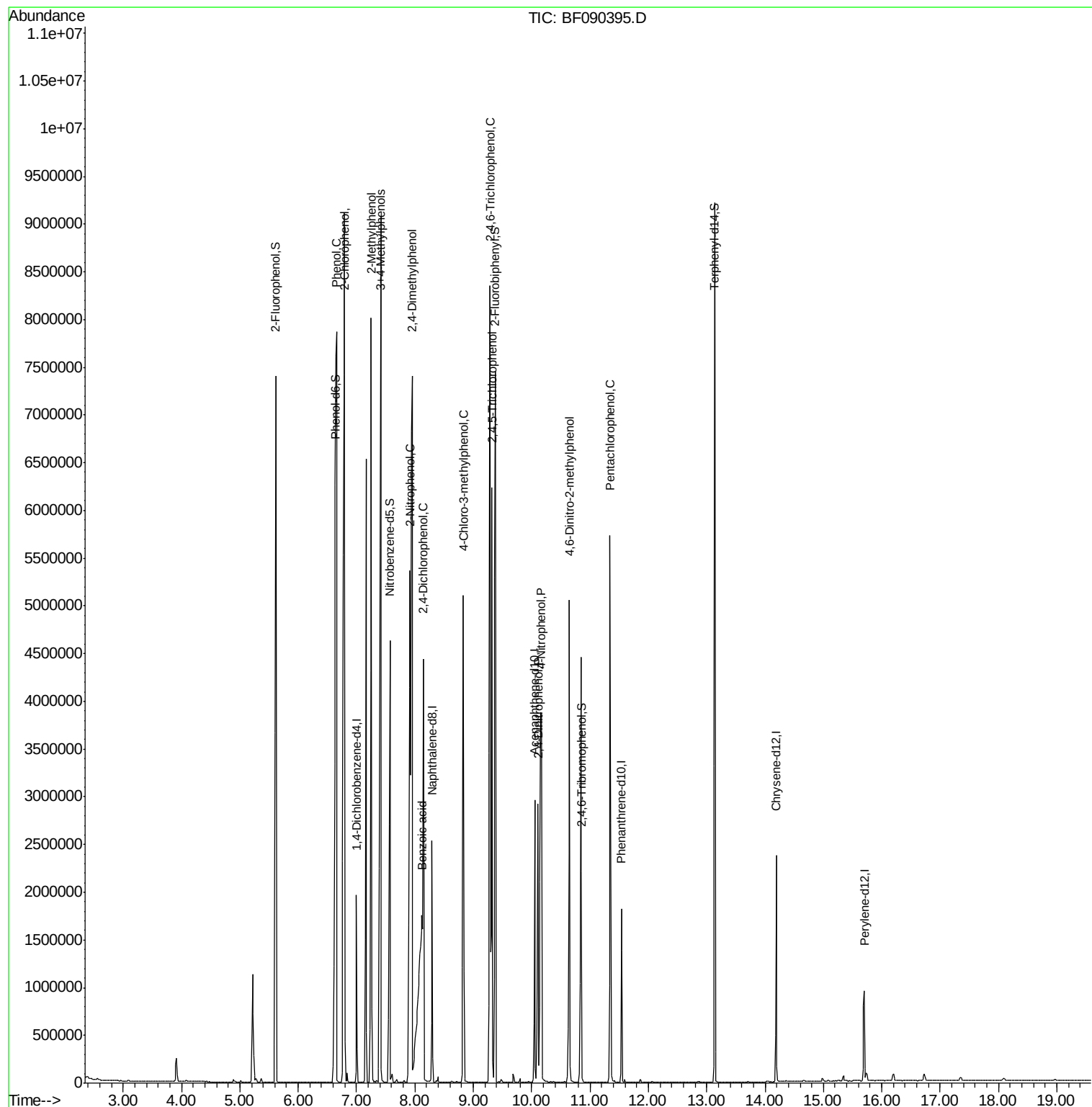
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	253514	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1086476	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	561547	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	835022	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	700433	20.00	ng	-0.01
86) Perylene-d12	15.70	264	460326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	2093589	123.25	ng	0.01
7) Phenol-d6	6.63	99	2922254	131.35	ng	0.01
23) Nitrobenzene-d5	7.57	82	1957339	87.63	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	692238	151.60	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3046921	90.40	ng	0.00
78) Terphenyl-d14	13.14	244	2751524	88.32	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.79	128	2366606	126.61	ng	98
10) Phenol	6.66	94	3654887	141.30	ng	92
17) 2-Methylphenol	7.25	107	1747258	113.65	ng	98
20) 3+4-Methylphenols	7.41	107	3157346	158.66	ng	# 78
26) 2-Nitrophenol	7.91	139	1509163	158.13	ng	93
27) 2,4-Dimethylphenol	7.95	122	2442555	131.60	ng	99
29) 2,4-Dichlorophenol	8.14	162	800524	56.73	ng	91
32) Benzoic acid	8.12	122	1584568	122.80	ng	96
36) 4-Chloro-3-methylphenol	8.83	107	1143689	64.73	ng	95
42) 2,4,6-Trichlorophenol	9.29	196	1456801	142.60	ng	98
43) 2,4,5-Trichlorophenol	9.32	196	720115	74.54	ng	97
53) 2,4-Dinitrophenol	10.11	184	572881	160.93	ng	90
55) 4-Nitrophenol	10.17	139	1322114	162.00	ng	# 78
64) 4,6-Dinitro-2-methylphenol	10.65	198	701580	115.80	ng	# 75
69) Pentachlorophenol	11.34	266	810541	149.38	ng	100

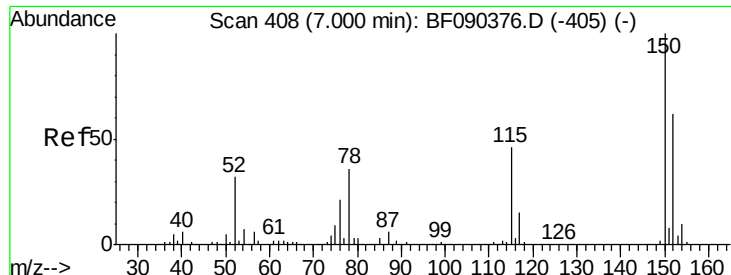
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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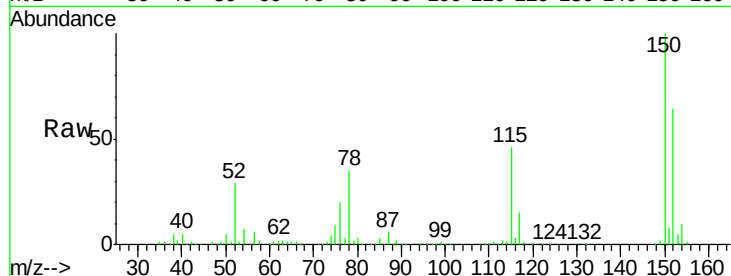


#1

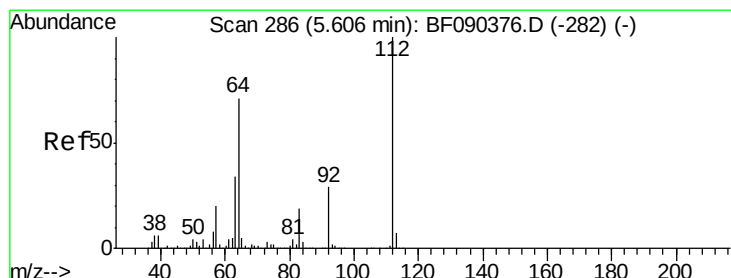
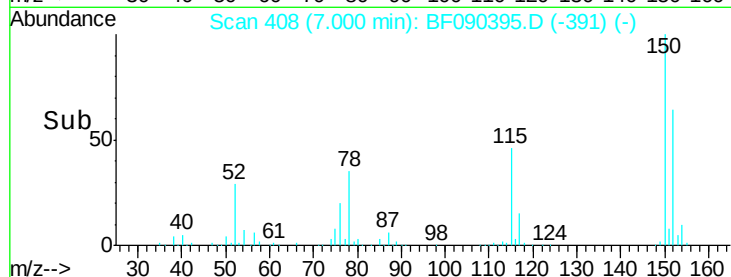
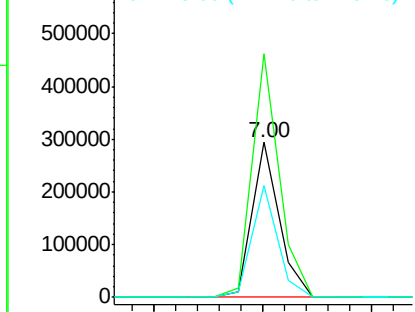
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion:152 Resp: 253514
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 71.9 46.2 69.4#



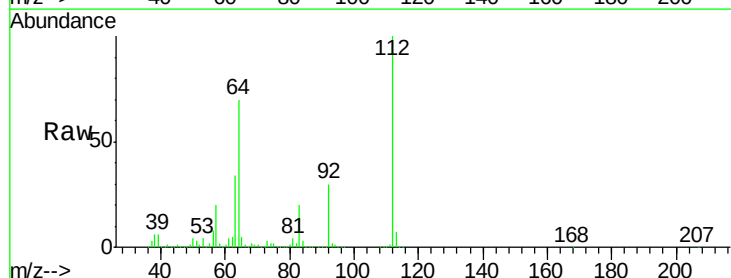
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



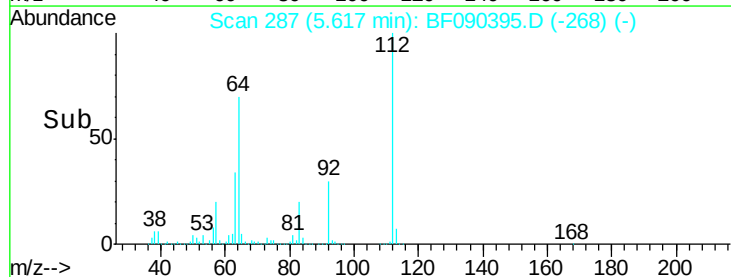
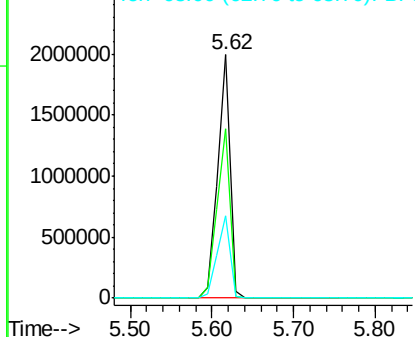
#5

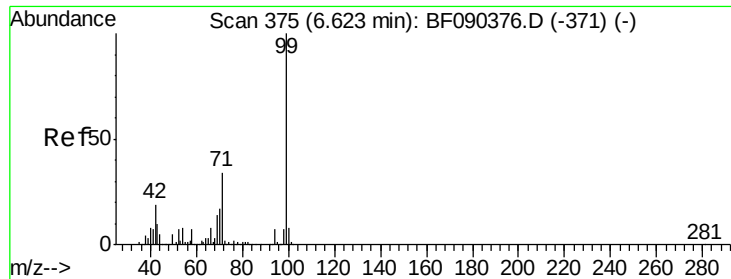
2-Fluorophenol
Concen: 123.25 ng
RT: 5.62 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Tgt Ion:112 Resp: 2093589
Ion Ratio Lower Upper
112 100
64 69.8 57.9 86.9
63 33.9 29.6 44.4



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: 131.35 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

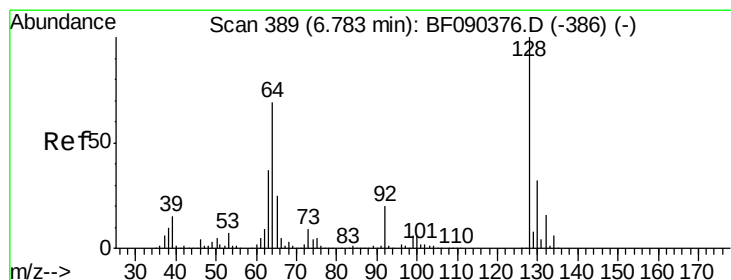
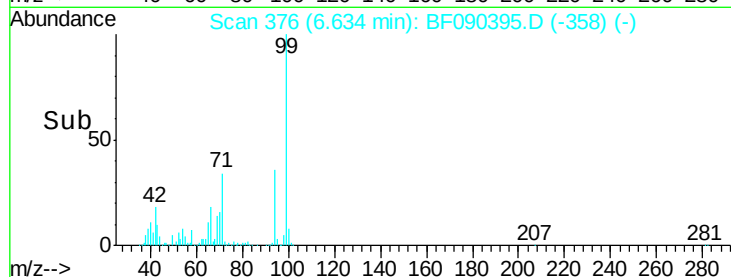
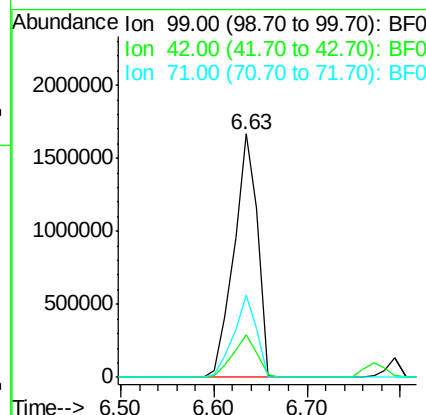
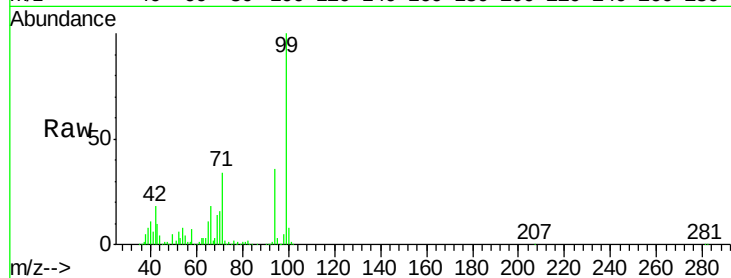
BNA_F

ClientSampleId :

PT-ACIDS-WP

Tot Ion: 99 Resp: 2922254

Ion	Ratio	Lower	Upper
99	100		
42	17.6	20.0	30.0#
71	33.8	27.9	41.9



#8

2-Chlorophenol

Concen: 126.61 ng

RT: 6.79 min Scan# 390

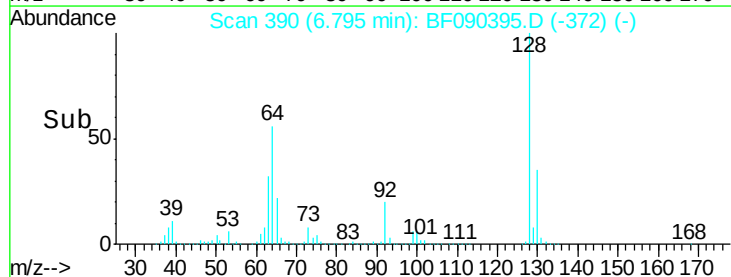
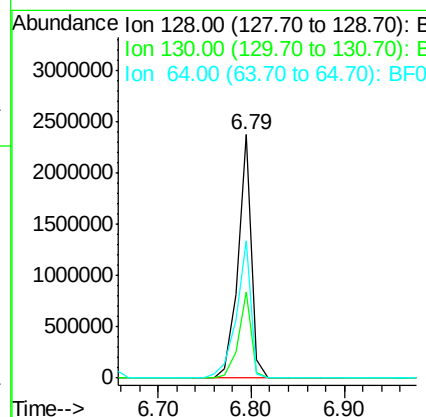
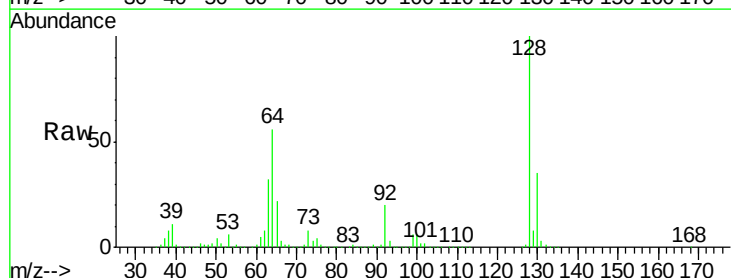
Delta R.T. 0.01 min

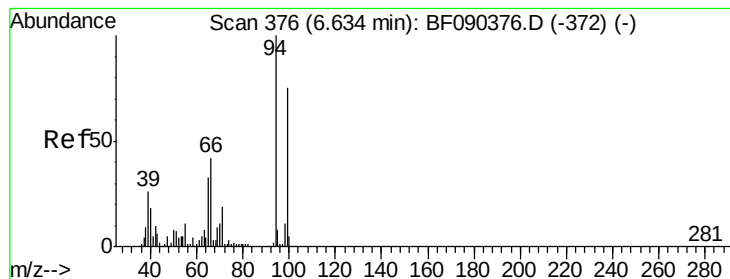
Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Tgt Ion: 128 Resp: 2366606

Ion	Ratio	Lower	Upper
128	100		
130	35.2	13.3	53.3
64	56.4	36.0	76.0





#10

Phenol

Concen: 141.30 ng

RT: 6.66 min Scan# 378

Delta R.T. 0.02 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

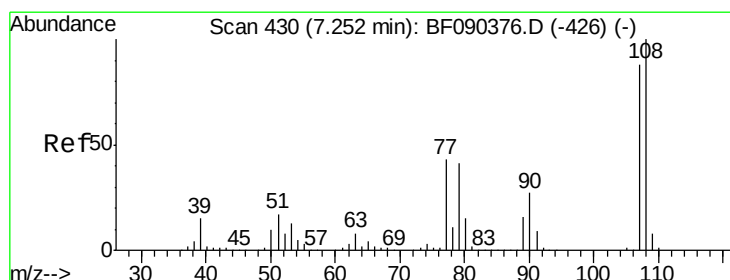
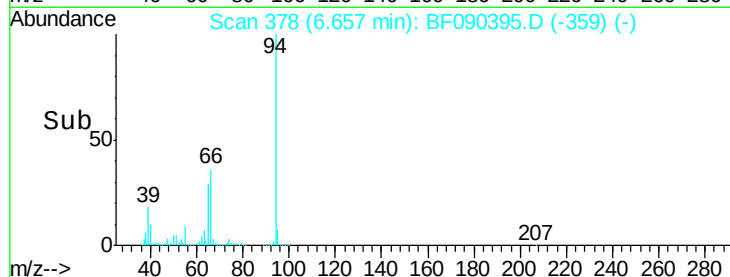
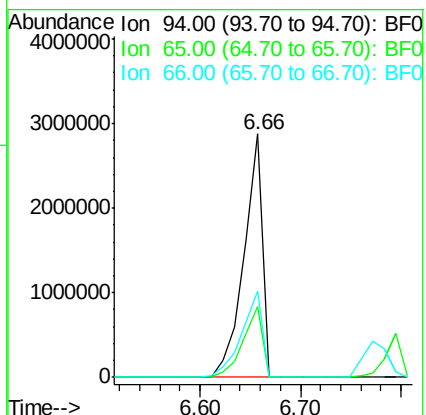
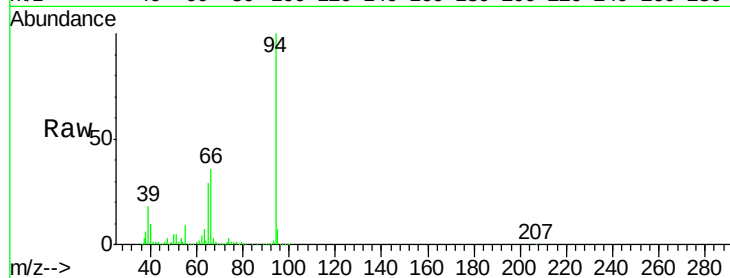
Tot Ion: 94 Resp: 3654887

Ion Ratio Lower Upper

94 100

65 29.0 13.3 53.3

66 35.6 20.4 60.4



#17

2-Methylphenol

Concen: 113.65 ng

RT: 7.25 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Tgt Ion: 107 Resp: 1747258

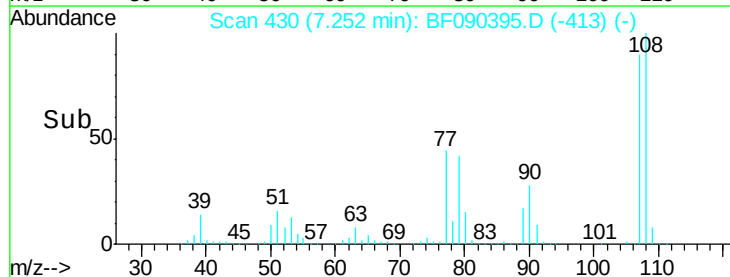
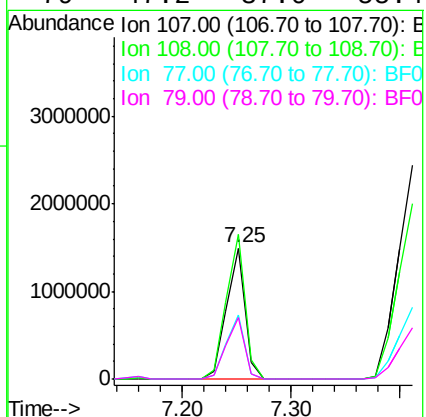
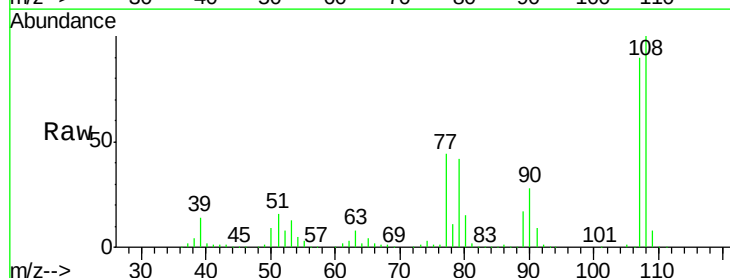
Ion Ratio Lower Upper

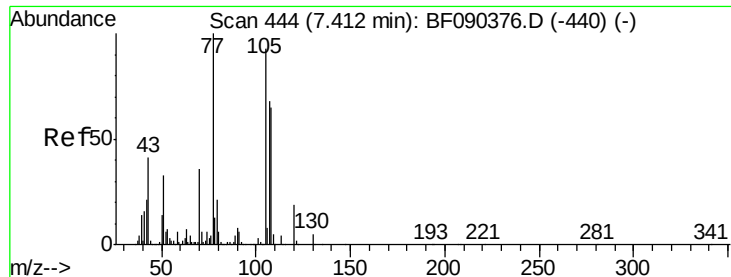
107 100

108 111.3 90.9 136.3

77 49.3 38.2 57.4

79 47.2 37.0 55.4





#20

3+4-Methylphenols

Concen: 158.66 ng

RT: 7.41 min Scan# 444

Delta R.T. 0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

Tot Ion:107 Resp: 3157346

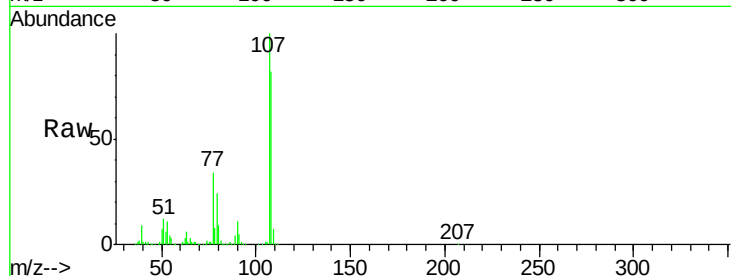
Ion Ratio Lower Upper

107 100

108 82.4 66.7 106.7

77 33.7 53.7 93.7#

79 23.7 8.4 48.4

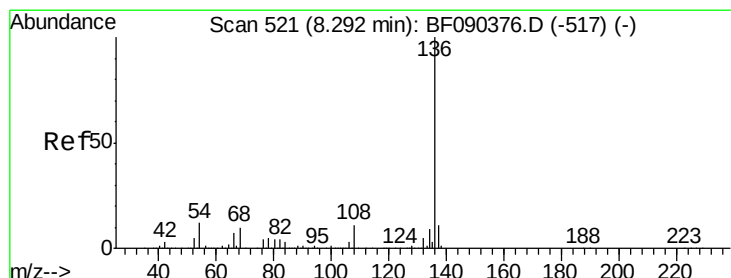
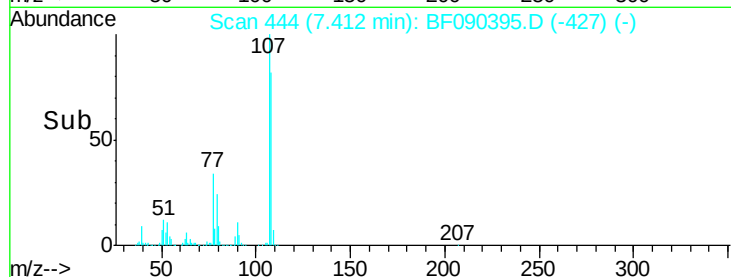
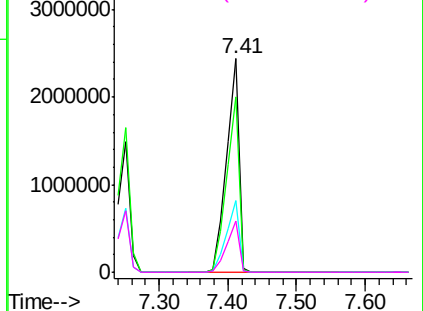


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Tgt Ion:136 Resp: 1086476

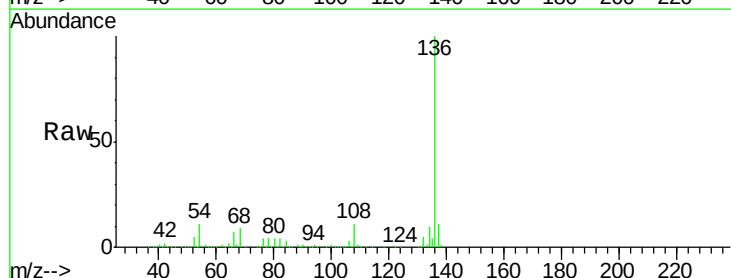
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 11.0 6.6 10.0#

68 9.4 5.0 7.6#

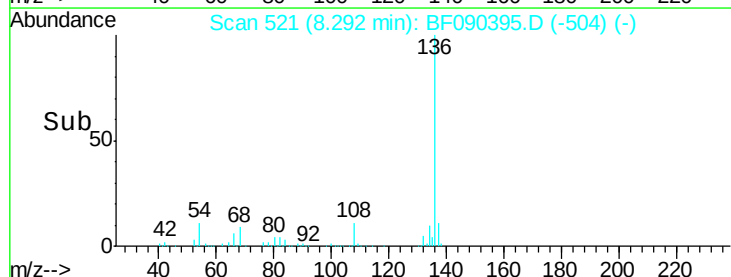
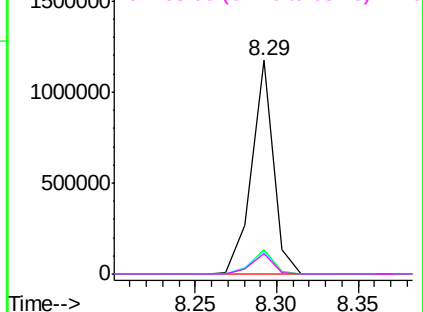


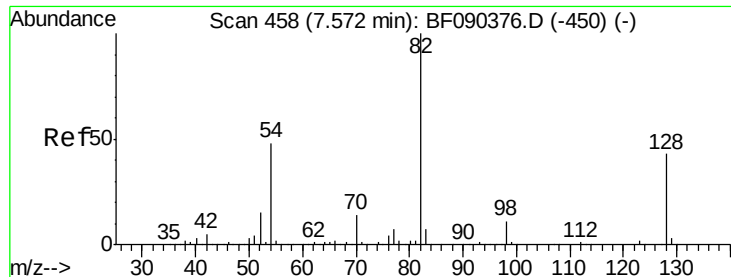
Abundance Ion 136.00 (135.70 to 136.70): E

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

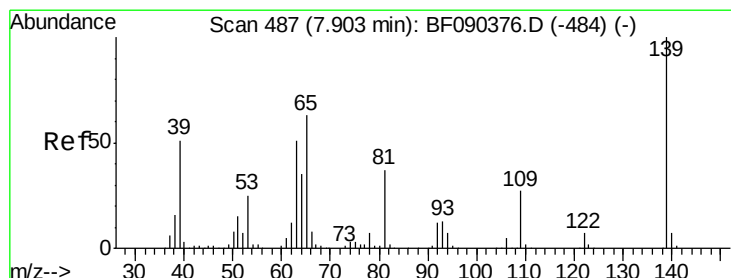
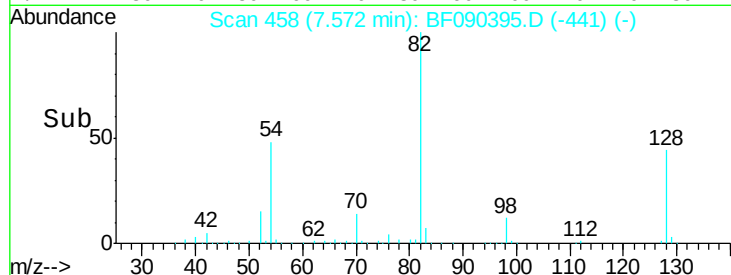
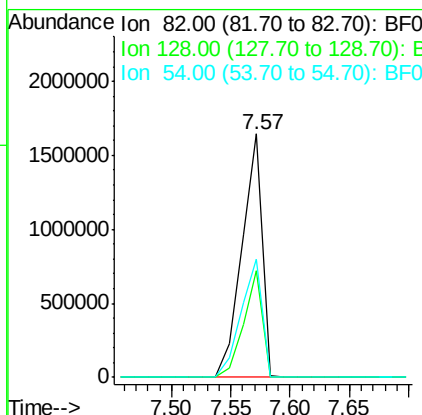
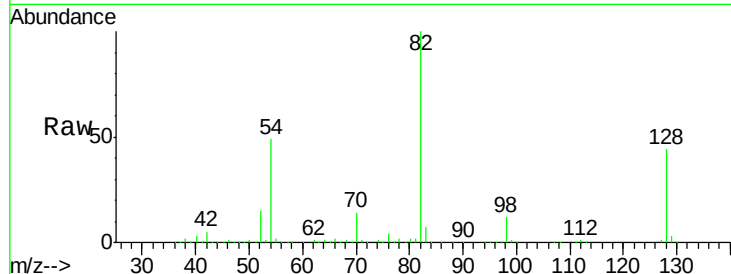




#23
 Nitrobenzene-d5
 Concen: 87.63 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF090395.D
 Acq: 5 Oct 2016 22:23

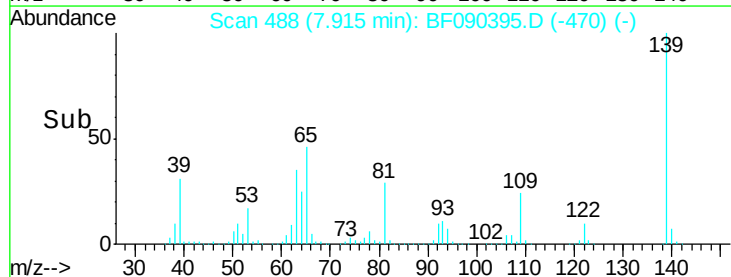
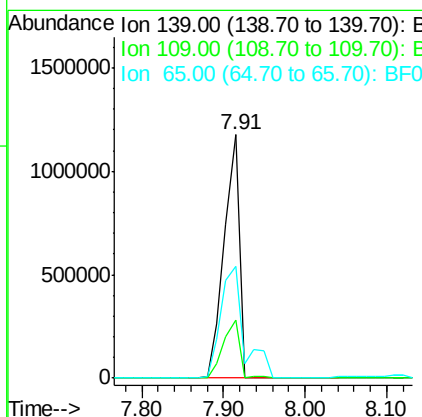
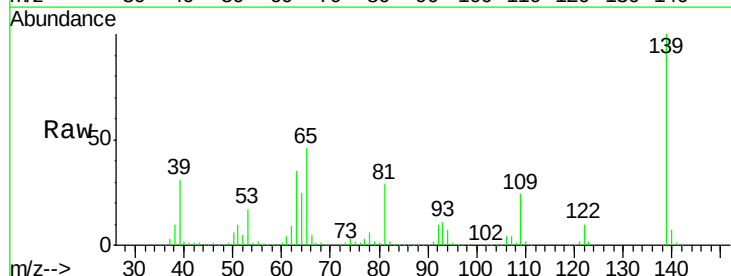
Instrument :
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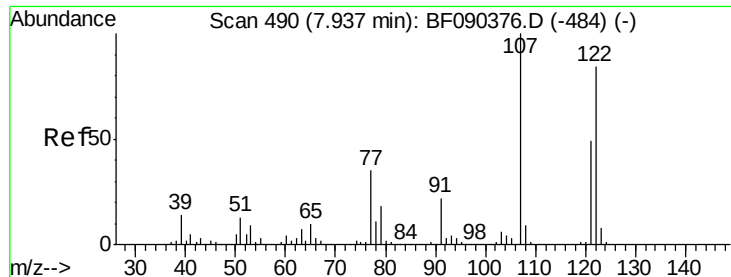
Tot Ion: 82 Resp: 1957339
 Ion Ratio Lower Upper
 82 100
 128 43.7 40.0 60.0
 54 48.5 42.6 64.0



#26
 2-Nitrophenol
 Concen: 158.13 ng
 RT: 7.91 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: BF090395.D
 Acq: 5 Oct 2016 22:23

Tgt Ion: 139 Resp: 1509163
 Ion Ratio Lower Upper
 139 100
 109 24.0 18.9 28.3
 65 46.0 31.6 47.4

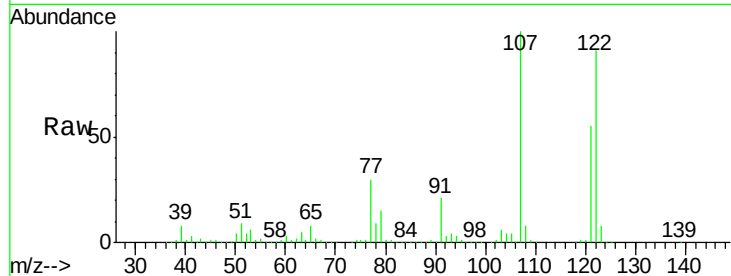




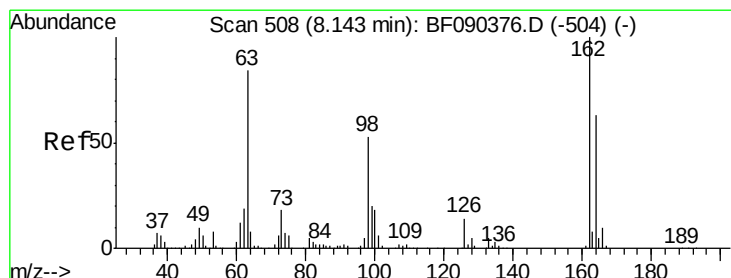
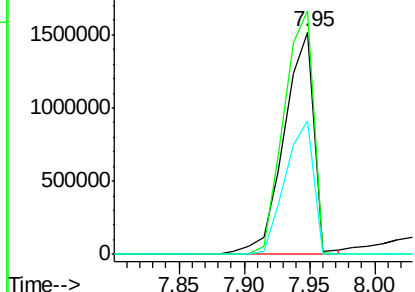
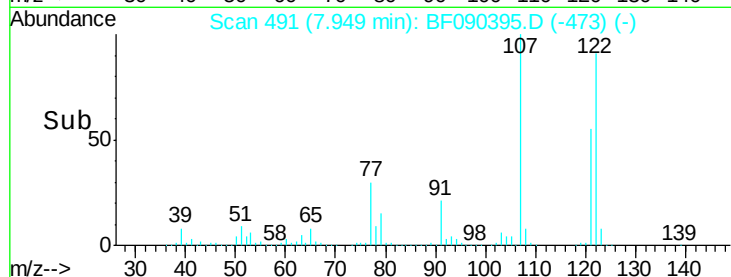
#27
2,4-Dimethylphenol
Concen: 131.60 ng
RT: 7.95 min Scan# 491
Delta R.T. 0.01 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion:122 Resp: 2442555
Ion Ratio Lower Upper
122 100
107 109.6 88.6 132.8
121 59.9 47.5 71.3

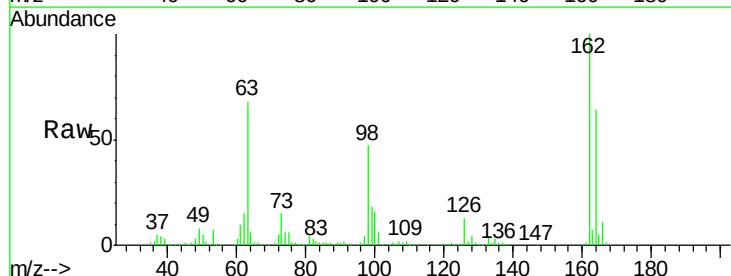


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

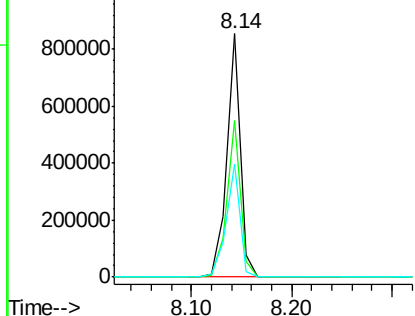
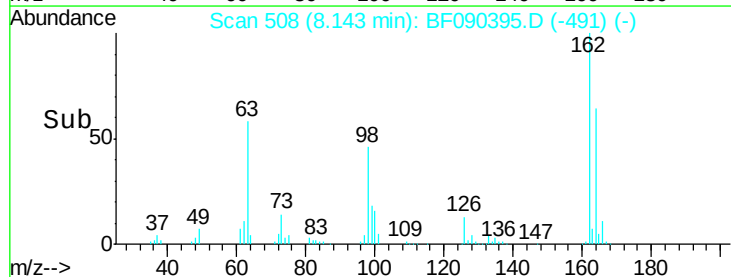


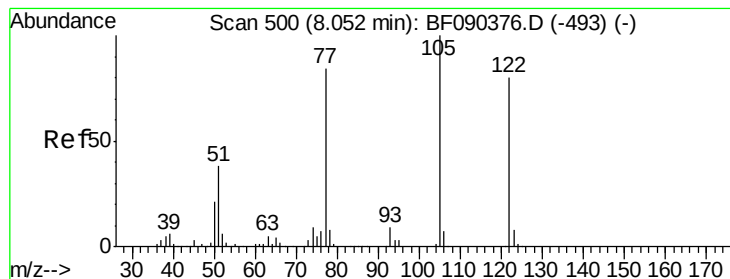
#29
2,4-Dichlorophenol
Concen: 56.73 ng
RT: 8.14 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Tgt Ion:162 Resp: 800524
Ion Ratio Lower Upper
162 100
164 64.3 45.7 85.7
98 46.7 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: 122.80 ng

RT: 8.12 min Scan# 506

Delta R.T. 0.07 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

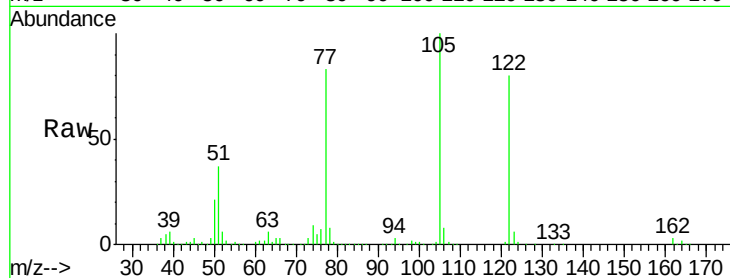
Tot Ion:122 Resp: 1584568

Ion Ratio Lower Upper

122 100

105 125.0 103.9 143.9

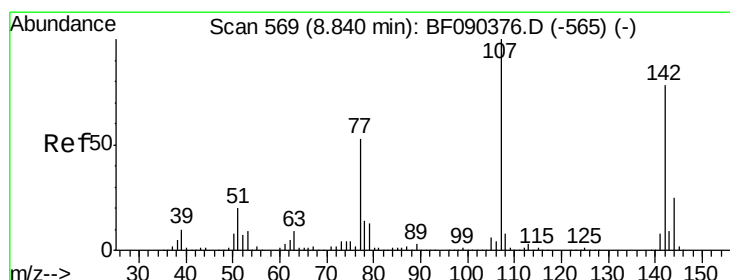
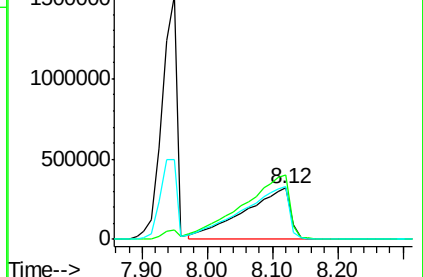
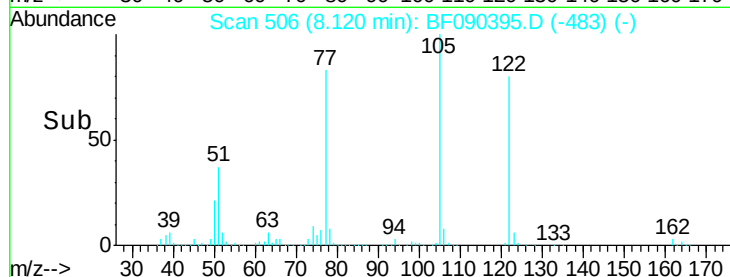
77 103.4 74.6 114.6



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: 64.73 ng

RT: 8.83 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

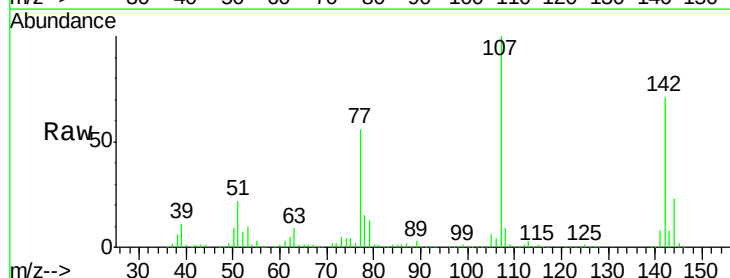
Tgt Ion:107 Resp: 1143689

Ion Ratio Lower Upper

107 100

144 23.3 19.8 29.8

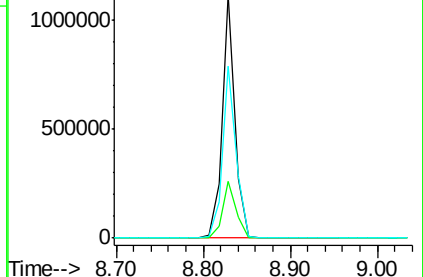
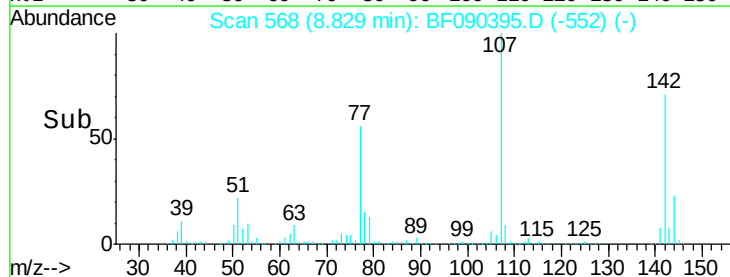
142 70.9 60.7 91.1

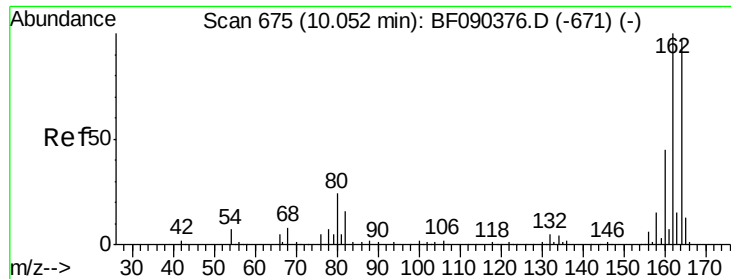


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

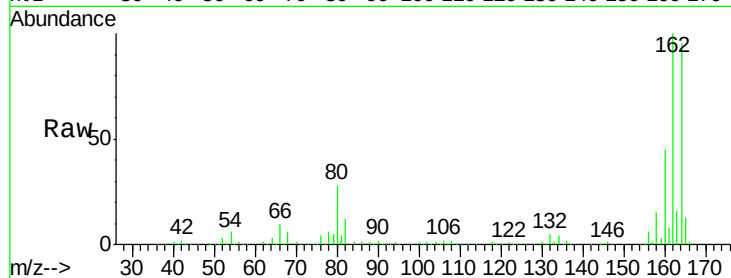




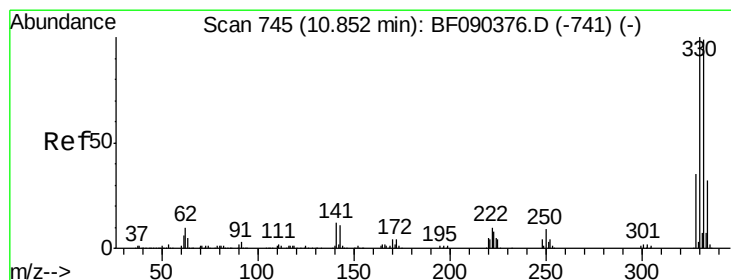
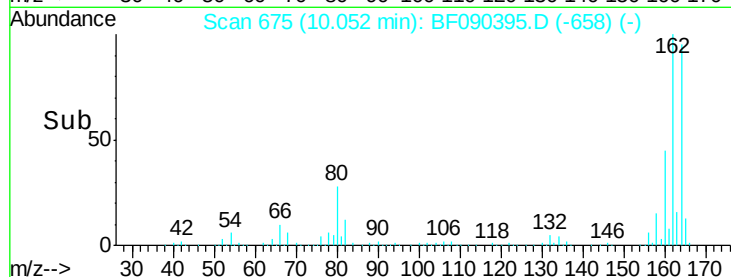
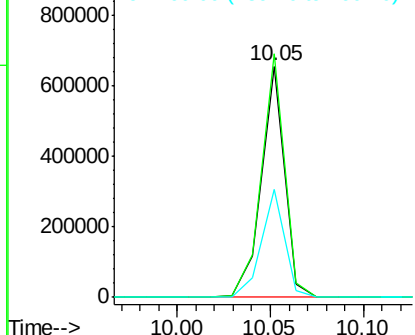
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion:164 Resp: 561547
Ion Ratio Lower Upper
164 100
162 105.3 80.1 120.1
160 46.9 36.3 54.5

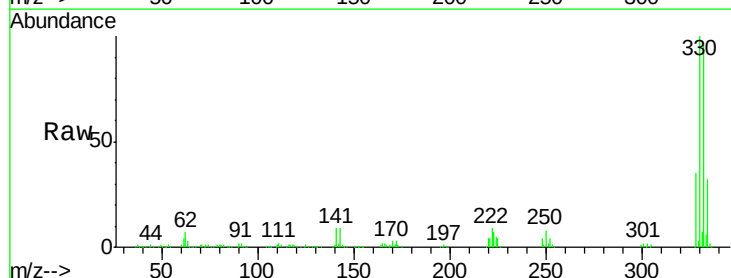


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

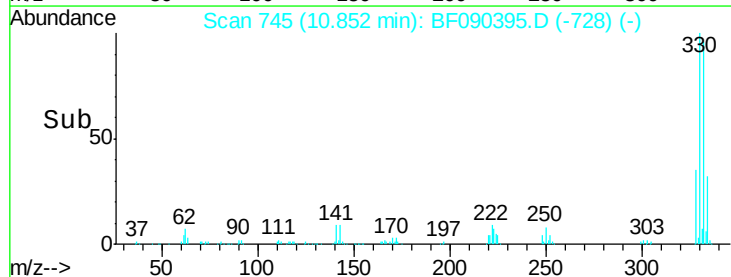
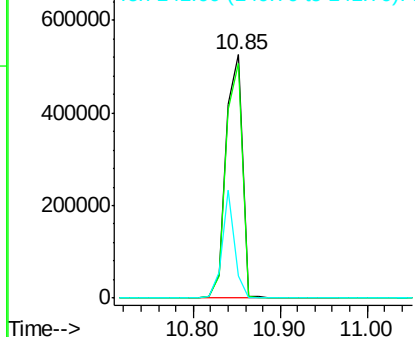


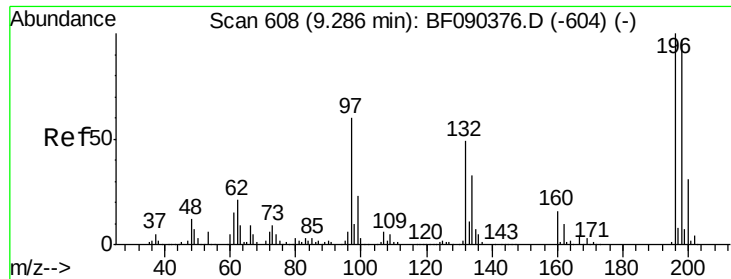
#41
2,4,6-Tribromophenol
Concen: 151.60 ng
RT: 10.85 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Tgt Ion:330 Resp: 692238
Ion Ratio Lower Upper
330 100
332 96.7 75.4 113.0
141 34.2 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

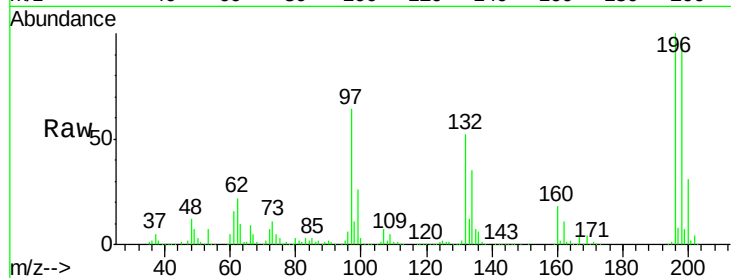




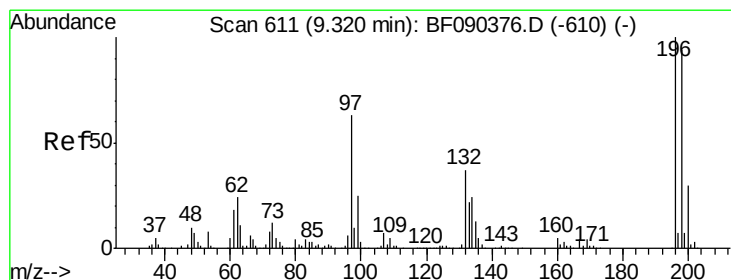
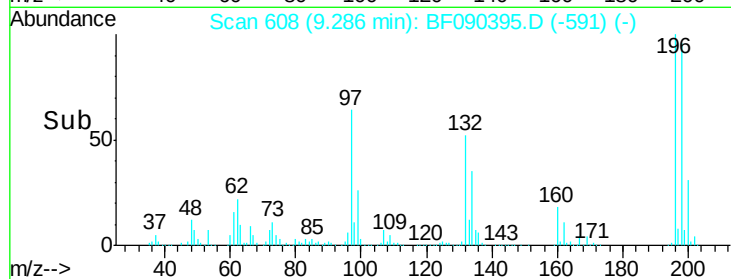
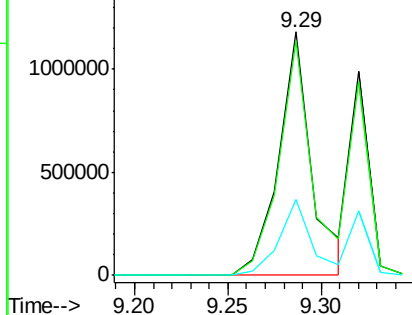
#42
 2,4,6-Trichlorophenol
 Concen: 142.60 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090395.D
 Acq: 5 Oct 2016 22:23

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:196 Resp: 1456801
 Ion Ratio Lower Upper
 196 100
 198 96.1 78.9 118.3
 200 31.4 25.4 38.2

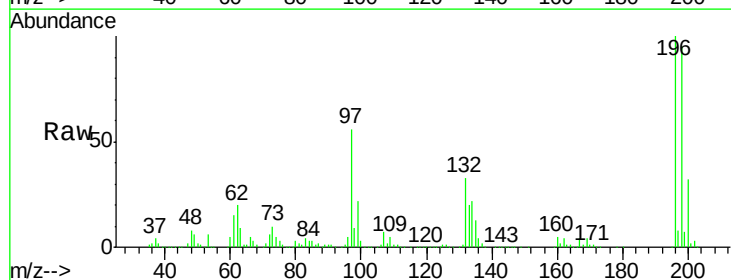


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

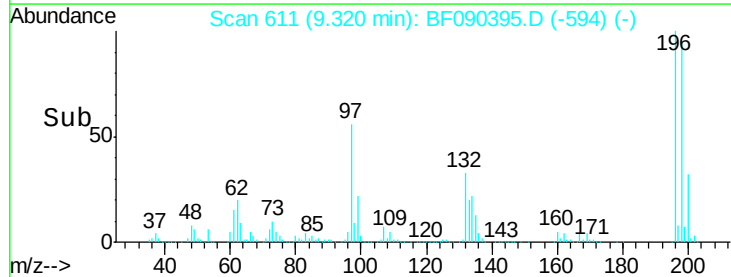
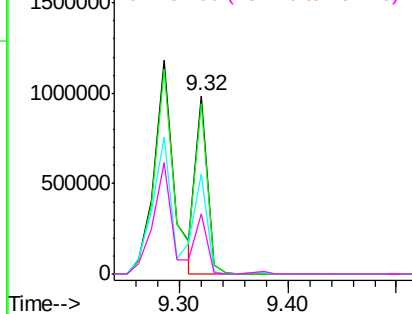


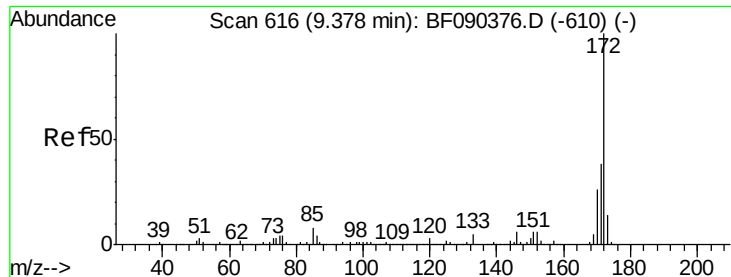
#43
 2,4,5-Trichlorophenol
 Concen: 74.54 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090395.D
 Acq: 5 Oct 2016 22:23

Tgt Ion:196 Resp: 720115
 Ion Ratio Lower Upper
 196 100
 198 95.2 78.1 117.1
 97 56.0 48.1 72.1
 132 33.5 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

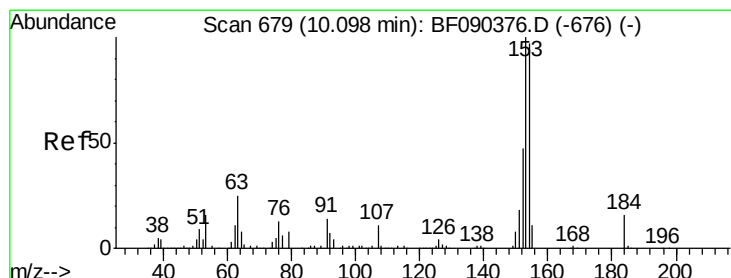
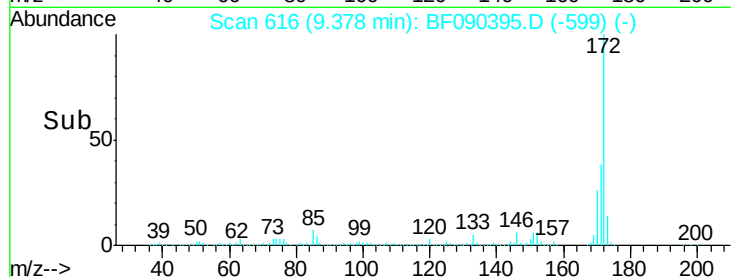
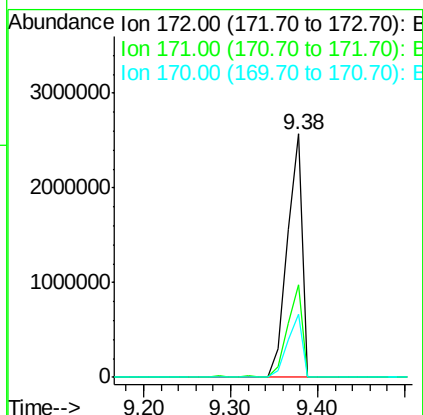
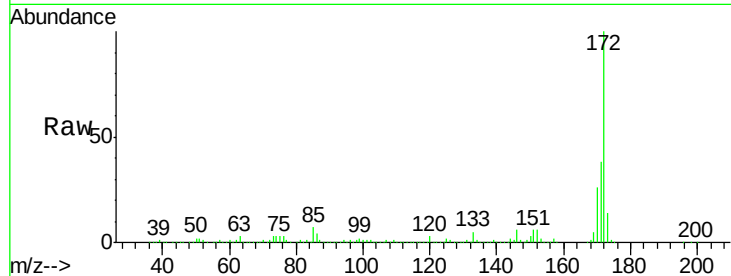




#44
2-Fluorobiphenyl
Concen: 90.40 ng
RT: 9.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

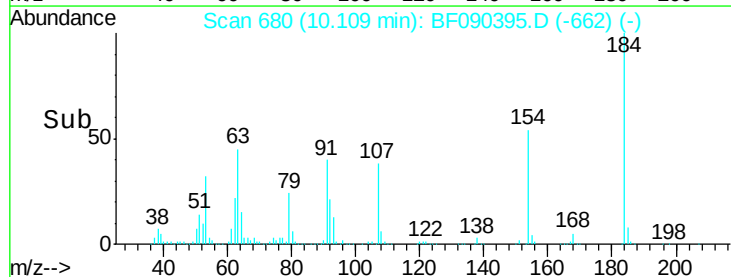
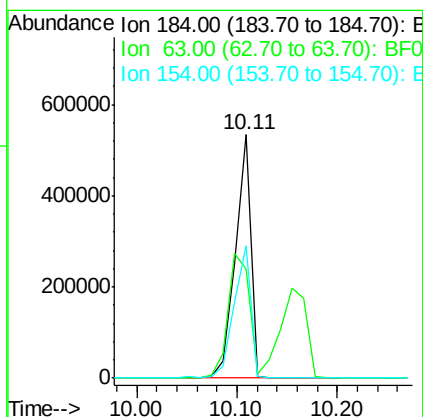
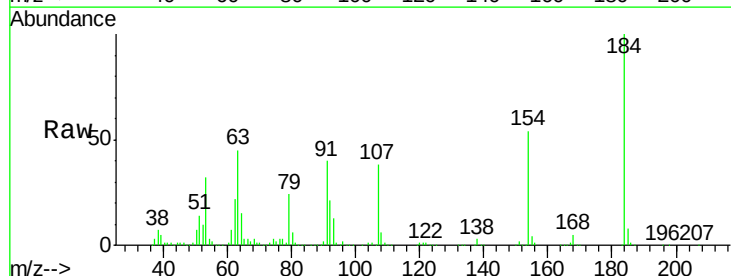
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

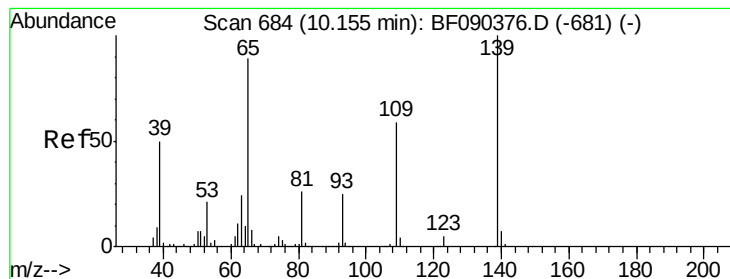
Tot Ion:172 Resp: 3046921
Ion Ratio Lower Upper
172 100
171 38.2 31.8 47.8
170 26.1 21.7 32.5



#53
2,4-Dinitrophenol
Concen: 160.93 ng
RT: 10.11 min Scan# 680
Delta R.T. 0.01 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Tgt Ion:184 Resp: 572881
Ion Ratio Lower Upper
184 100
63 45.0 41.9 62.9
154 54.3 48.9 73.3





#55

4-Nitrophenol

Concen: 162.00 ng

RT: 10.17 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

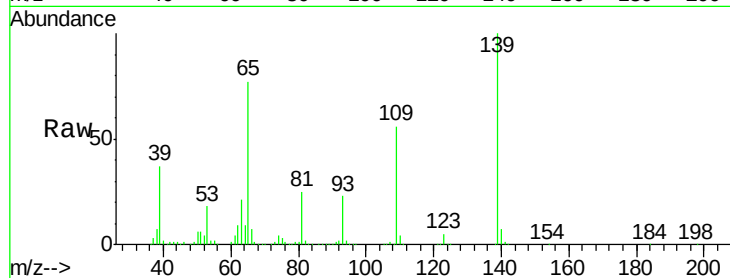
Tot Ion:139 Resp: 1322114

Ion Ratio Lower Upper

139 100

109 55.7 43.6 83.6

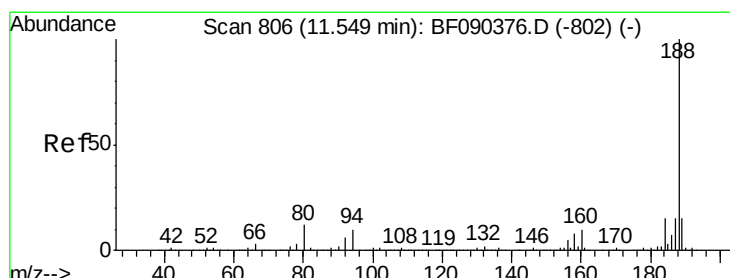
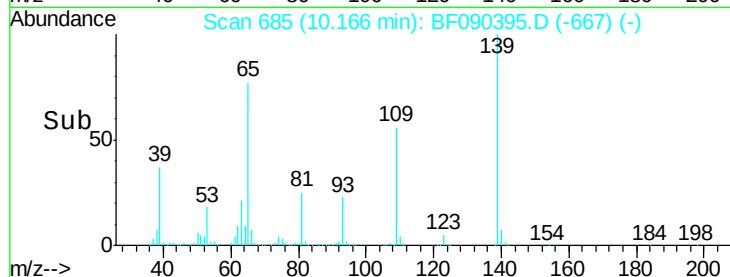
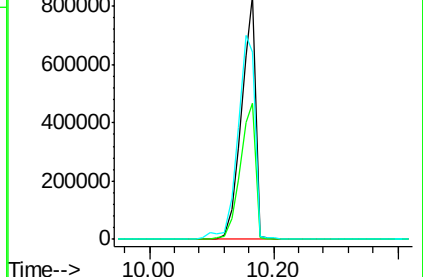
65 77.0 87.5 127.5#



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: BF090395.D

Acq: 5 Oct 2016 22:23

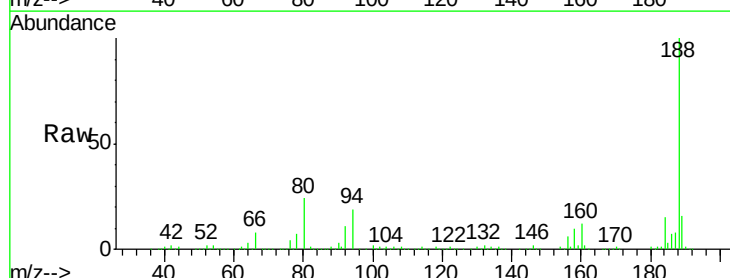
Tgt Ion:188 Resp: 835022

Ion Ratio Lower Upper

188 100

94 18.9 8.2 12.2#

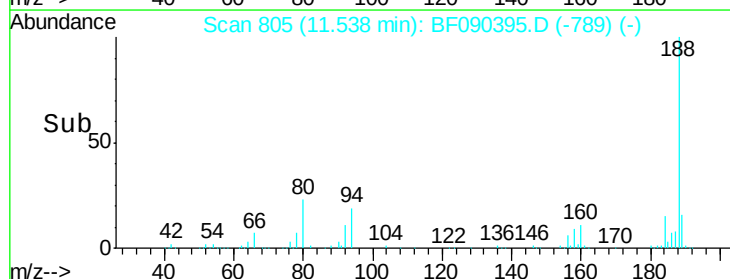
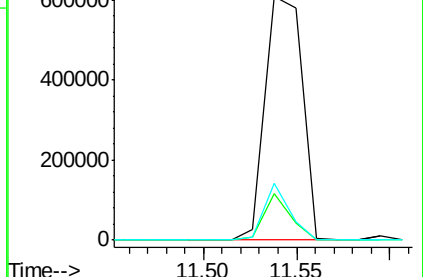
80 23.6 8.8 13.2#

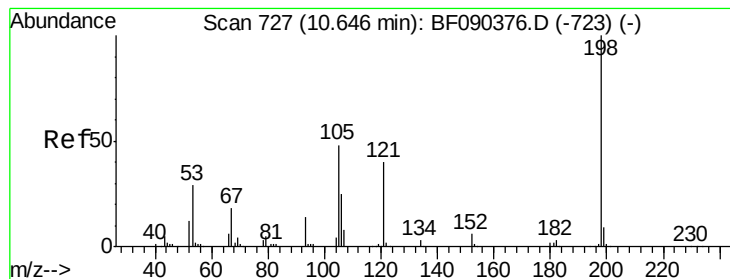


Abundance Ion 188.00 (187.70 to 188.70): E

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: 115.80 ng

RT: 10.65 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

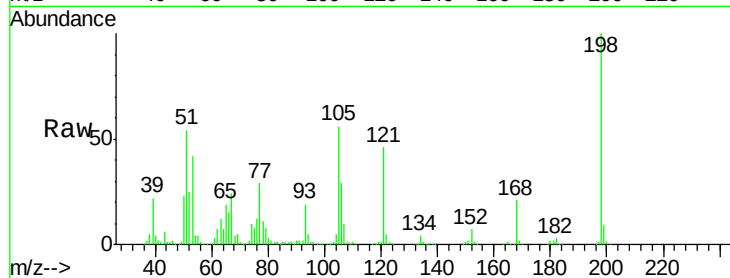
Tot Ion:198 Resp: 701580

Ion Ratio Lower Upper

198 100

51 54.1 67.3 107.3#

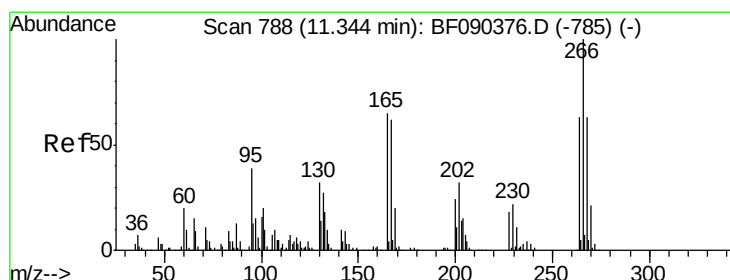
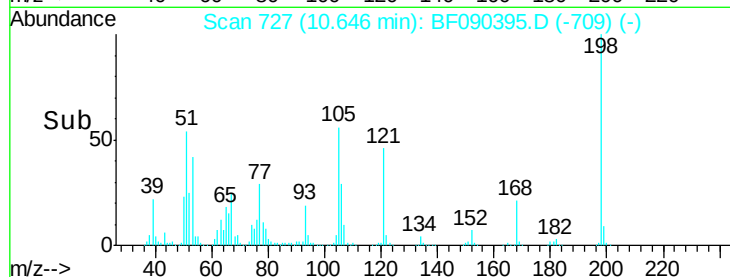
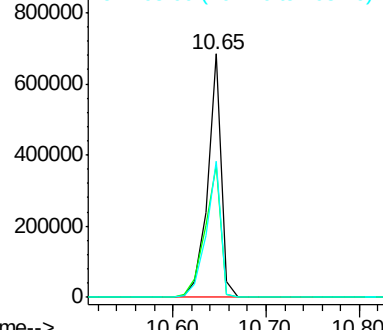
105 55.7 42.6 82.6



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



#69

Pentachlorophenol

Concen: 149.38 ng

RT: 11.34 min Scan# 788

Delta R.T. 0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

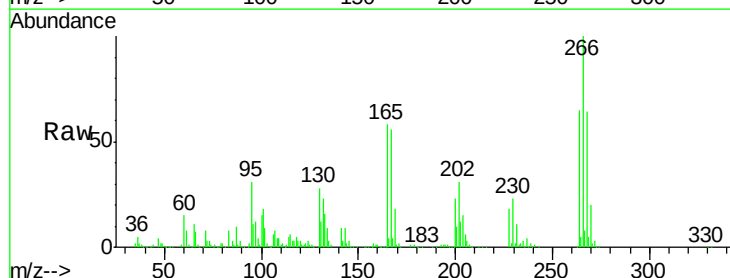
Tgt Ion:266 Resp: 810541

Ion Ratio Lower Upper

266 100

268 63.5 50.9 76.3

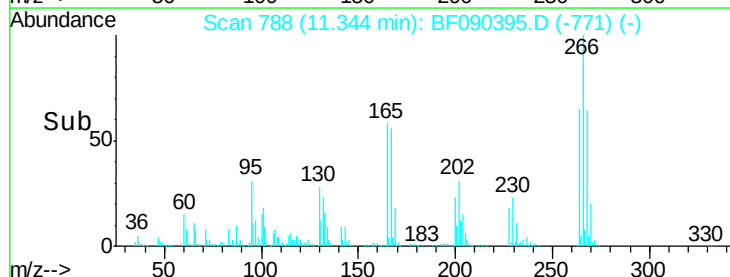
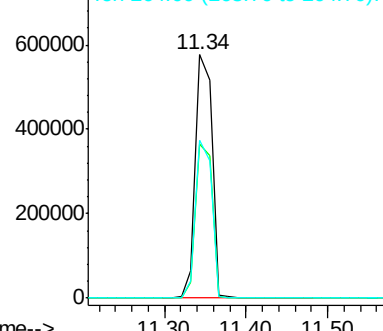
264 64.8 51.5 77.3

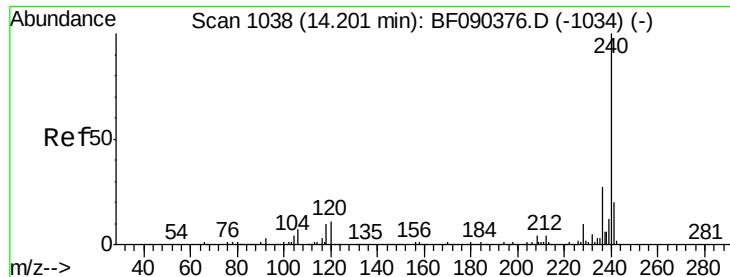


Abundance Ion 265.70 (265.40 to 266.40): E

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: BF090395.D

Acq: 5 Oct 2016 22:23

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WP

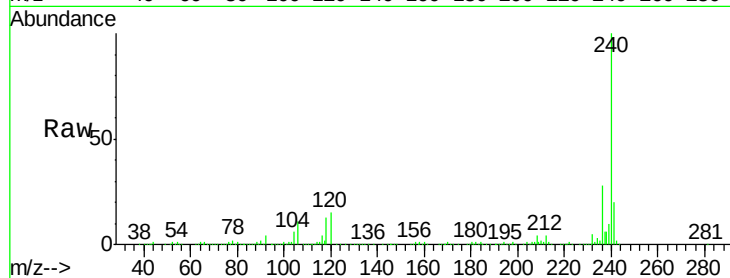
Tot Ion:240 Resp: 700433

Ion Ratio Lower Upper

240 100

120 14.6 8.6 13.0#

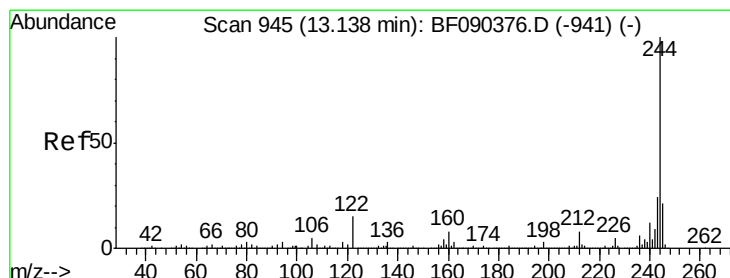
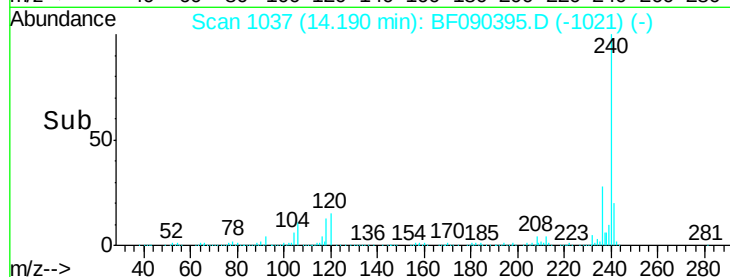
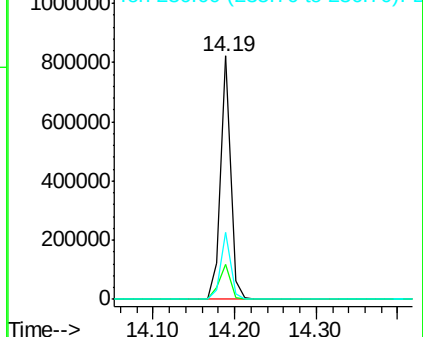
236 27.6 21.6 32.4



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: 88.32 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090395.D

Acq: 5 Oct 2016 22:23

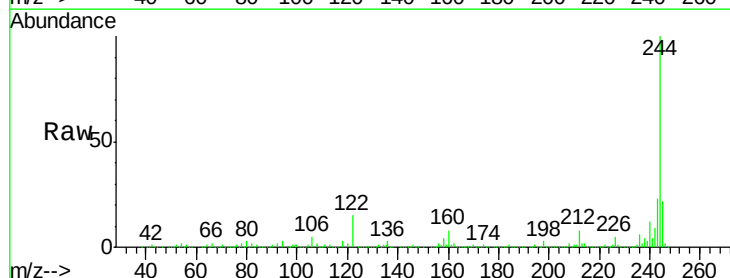
Tgt Ion:244 Resp: 2751524

Ion Ratio Lower Upper

244 100

212 8.0 6.8 10.2

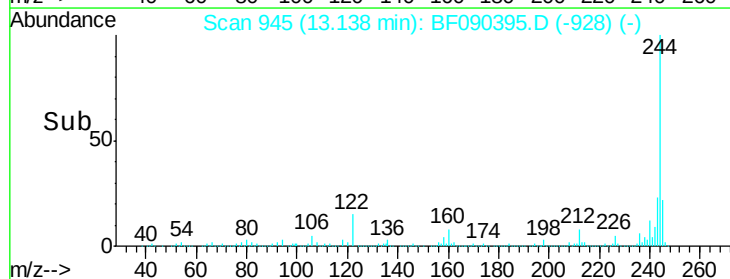
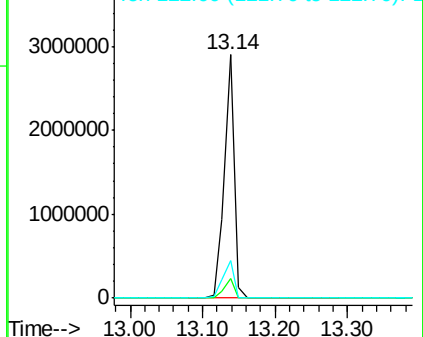
122 15.2 13.3 19.9

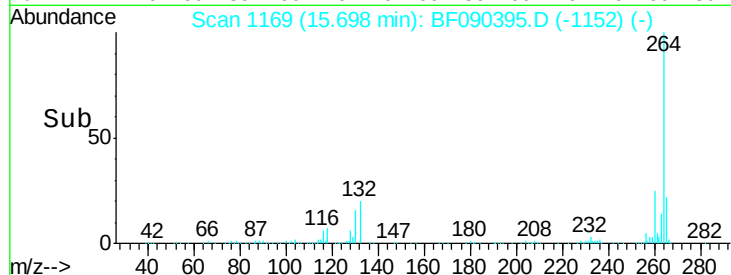
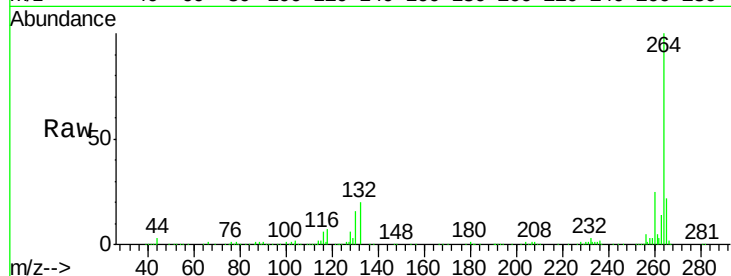
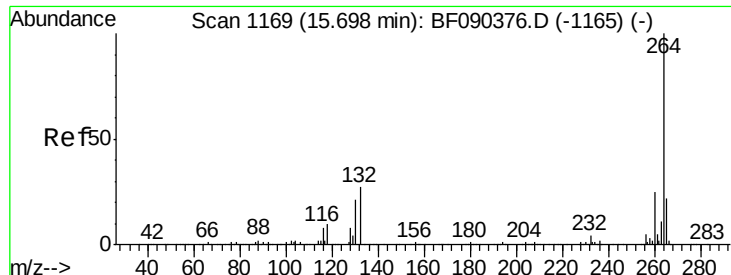


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF090395.D
Acq: 5 Oct 2016 22:23

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WP

Tot Ion:264	Resp:	460326
Ion	Ratio	Lower Upper
264	100	
260	25.1	19.3 28.9
265	21.6	17.4 26.0

