

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031518\
 Data File : BF103678.D
 Acq On : 15 Mar 2018 19:48
 Operator : JU/SJ
 Sample : J1888-06DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Mar 16 04:55:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

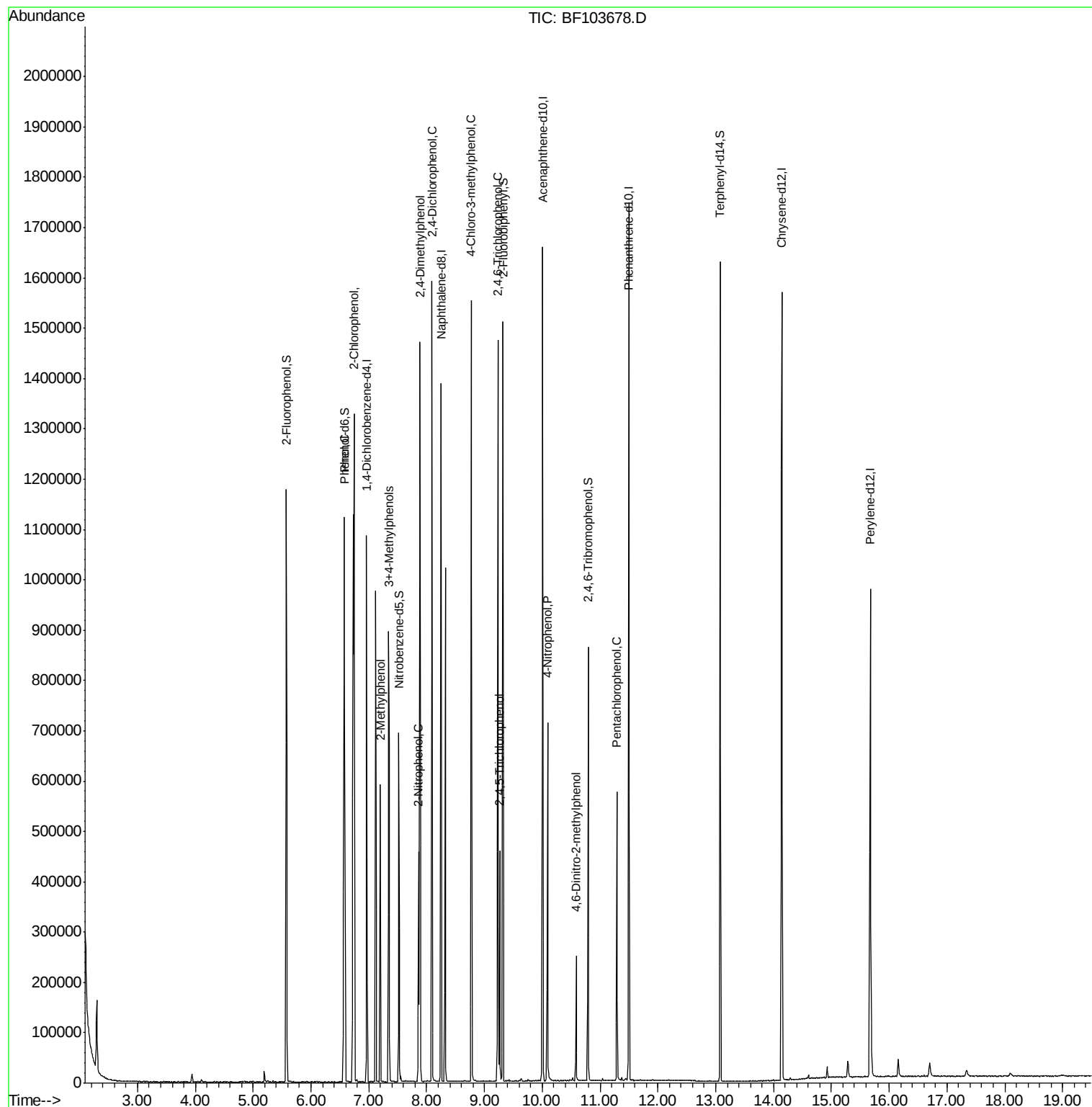
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	153852	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	647885	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	308728	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	564855	20.00	ng	0.00
75) Chrysene-d12	14.14	240	483669	20.00	ng	0.00
86) Perylene-d12	15.67	264	447640	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	288355	28.51	ng	0.00
7) Phenol-d6	6.57	99	354324	28.63	ng	-0.01
23) Nitrobenzene-d5	7.52	82	180692	19.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	80715	30.41	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	418726	21.63	ng	0.00
78) Terphenyl-d14	13.08	244	464163	22.28	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.75	128	306448	28.920	ng	98
10) Phenol	6.59	94	281826	21.432	ng	100
17) 2-Methylphenol	7.20	107	92034	9.753	ng	98
20) 3+4-Methylphenols	7.35	107	205710	17.178	ng	87
26) 2-Nitrophenol	7.86	139	78266	24.595	ng	97
27) 2,4-Dimethylphenol	7.89	122	235487	25.559	ng	97
29) 2,4-Dichlorophenol	8.09	162	266430	31.784	ng	99
36) 4-Chloro-3-methylphenol	8.77	107	278453	30.132	ng	99
42) 2,4,6-Trichlorophenol	9.23	196	189161	33.577	ng	99
43) 2,4,5-Trichlorophenol	9.26	196	58692	9.230	ng	98
55) 4-Nitrophenol	10.09	139	88584	24.235	ng	94
64) 4,6-Dinitro-2-methylphenol	10.59	198	22221	18.996	ng	90
69) Pentachlorophenol	11.29	266	54703	14.375	ng	96

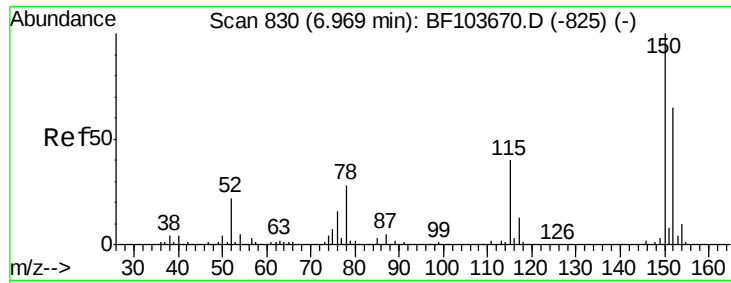
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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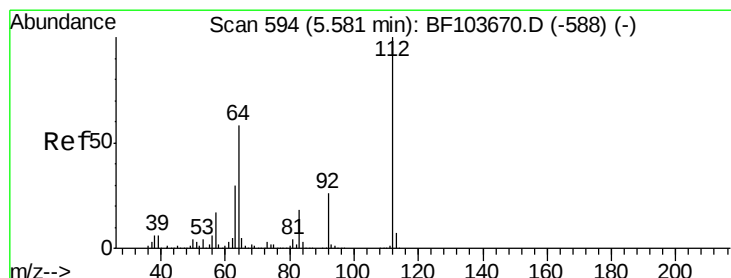
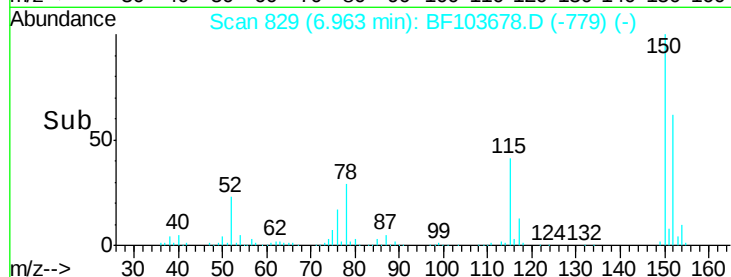
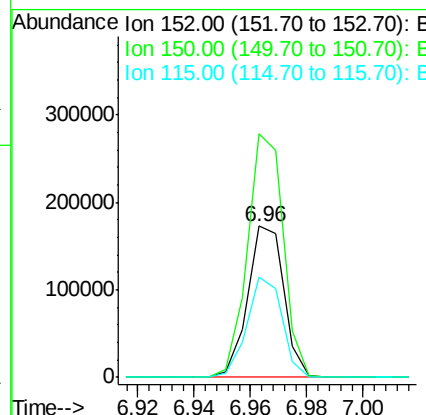
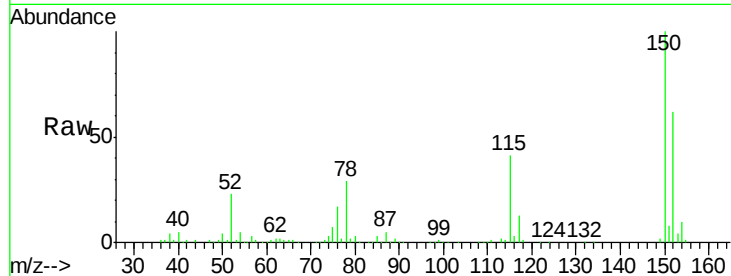


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL

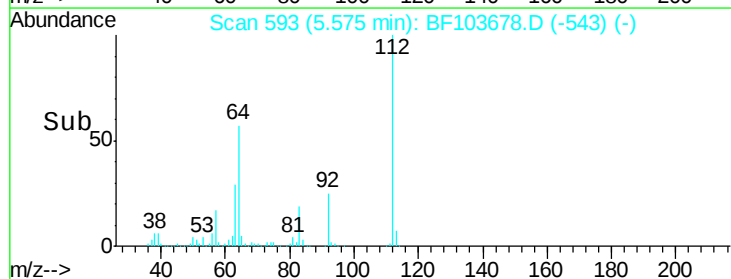
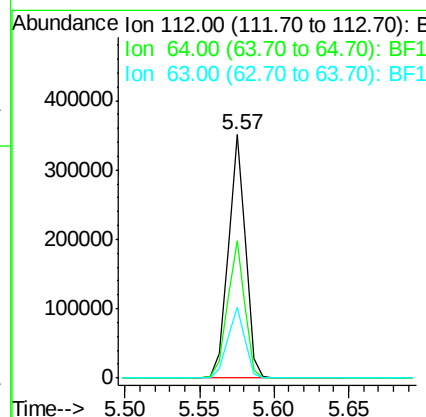
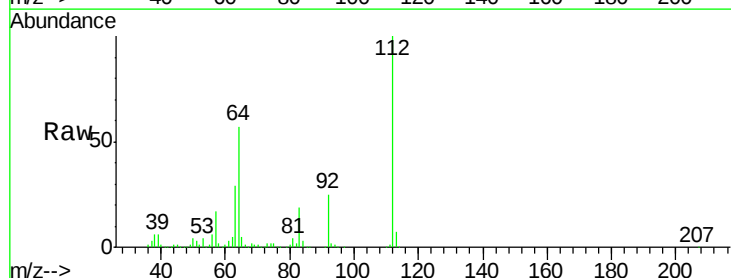
Tot Ion:152 Resp: 153852
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 66.6 50.1 75.1



#5

2-Fluorophenol
Concen: 28.507 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Tgt Ion:112 Resp: 288355
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.0 23.7 35.5





#7

Phenol-d6

Concen: 28.632 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL

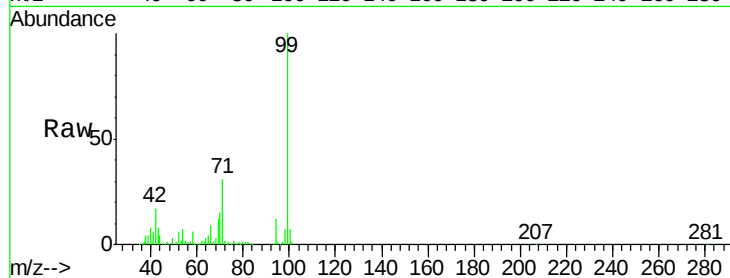
Tot Ion: 99 Resp: 354324

Ion Ratio Lower Upper

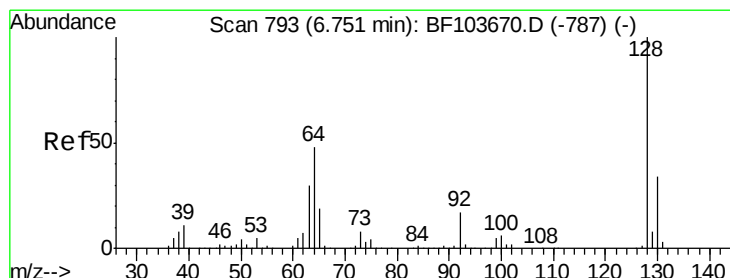
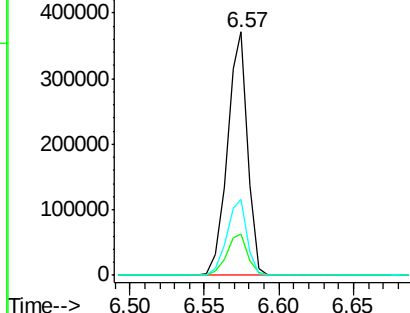
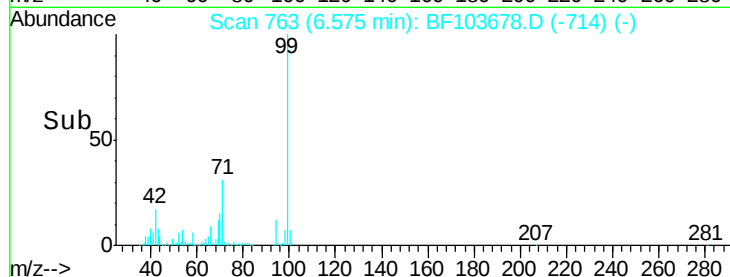
99 100

42 16.8 14.5 21.7

71 31.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 28.920 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

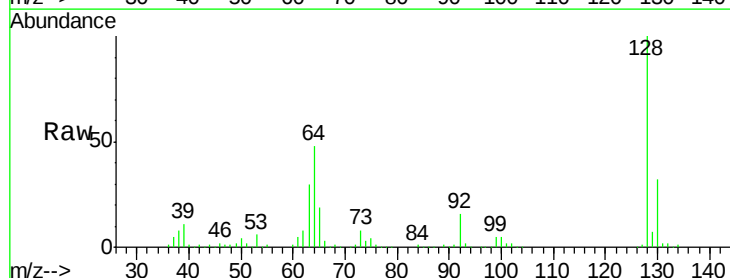
Tgt Ion: 128 Resp: 306448

Ion Ratio Lower Upper

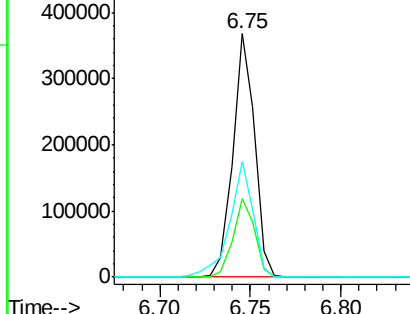
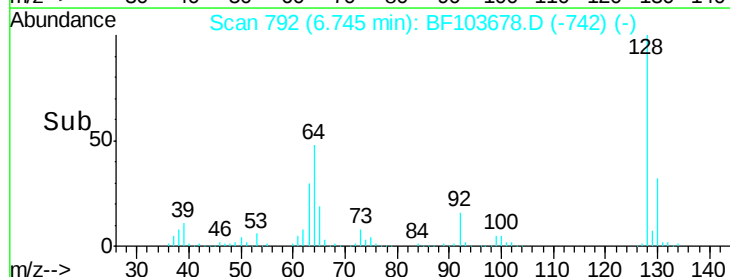
128 100

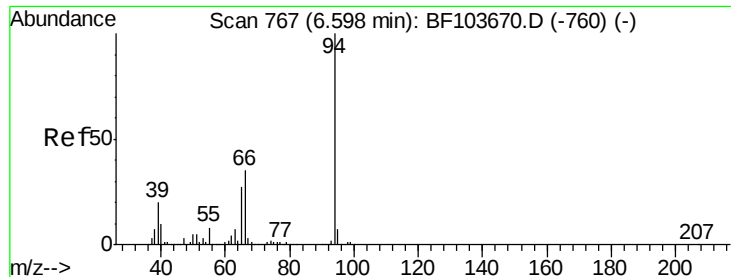
130 32.4 13.0 53.0

64 47.6 29.4 69.4



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): BF1





#10

Phenol

Concen: 21.432 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL

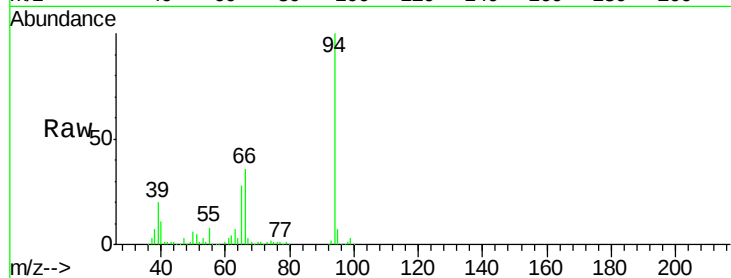
Tot Ion: 94 Resp: 281826

Ion Ratio Lower Upper

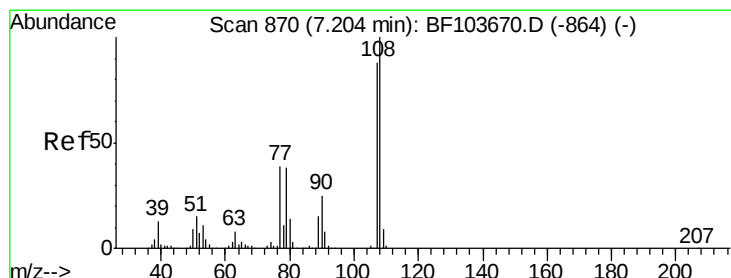
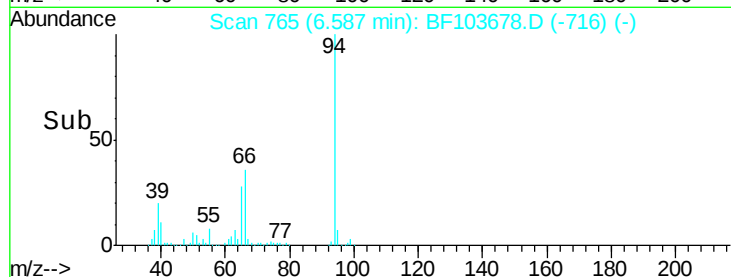
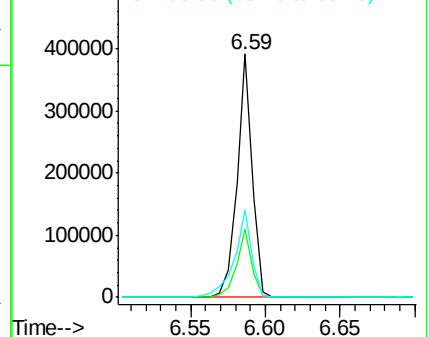
94 100

65 27.9 7.9 47.9

66 35.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#17

2-Methylphenol

Concen: 9.753 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Tgt Ion:107 Resp: 92034

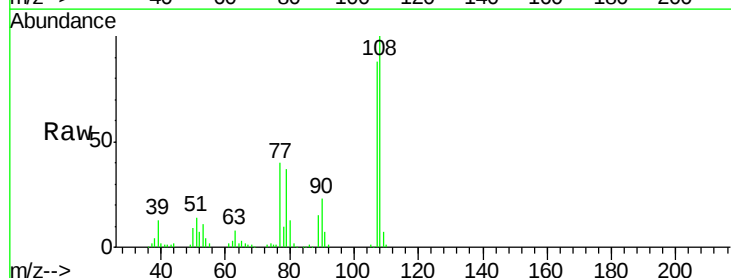
Ion Ratio Lower Upper

107 100

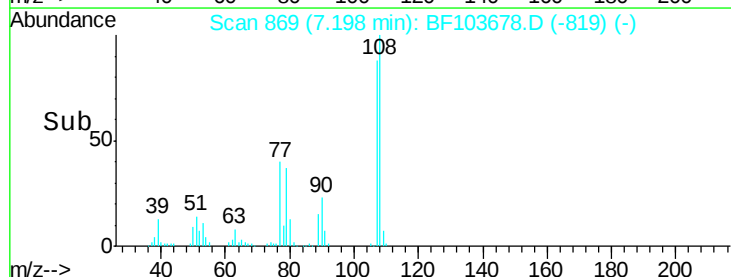
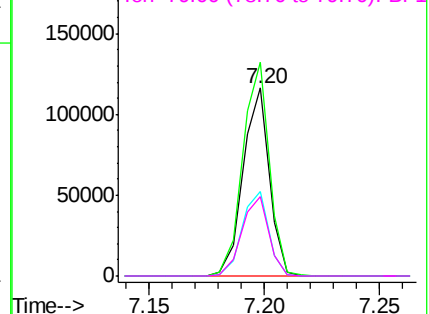
108 113.6 91.7 137.5

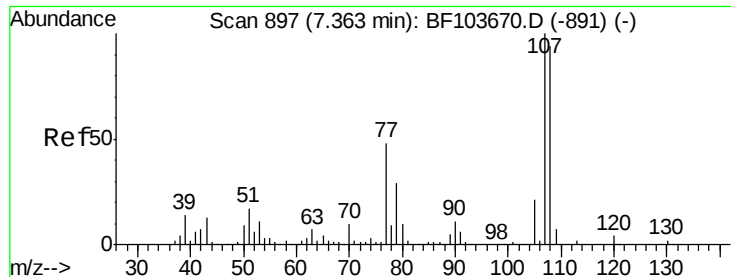
77 45.2 33.8 50.8

79 42.1 33.8 50.8



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): BF1
Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 17.178 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.02 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL

Tot Ion:107 Resp: 205710

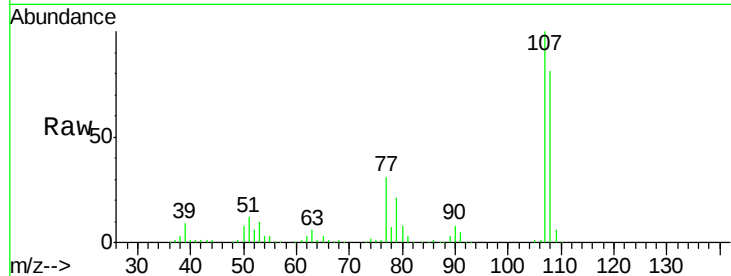
Ion Ratio Lower Upper

107 100

108 81.2 68.2 108.2

77 30.7 26.7 66.7

79 21.2 6.3 46.3

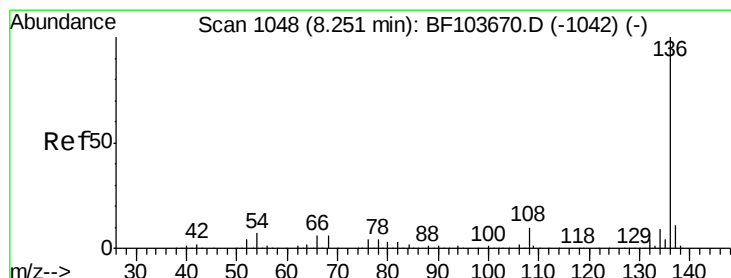
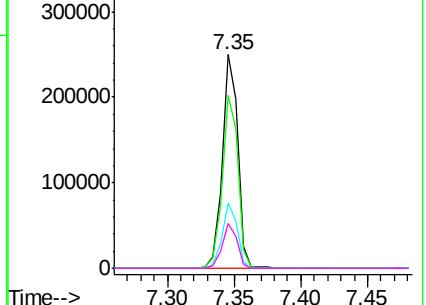
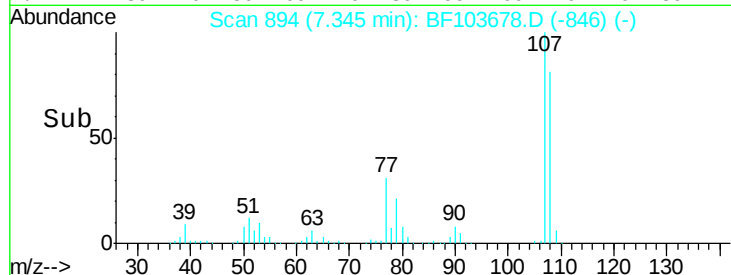


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Tgt Ion:136 Resp: 647885

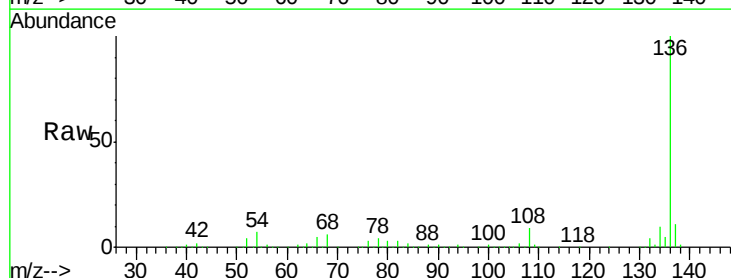
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4

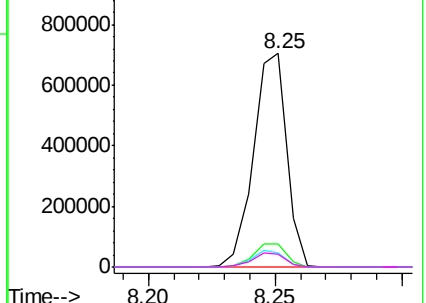
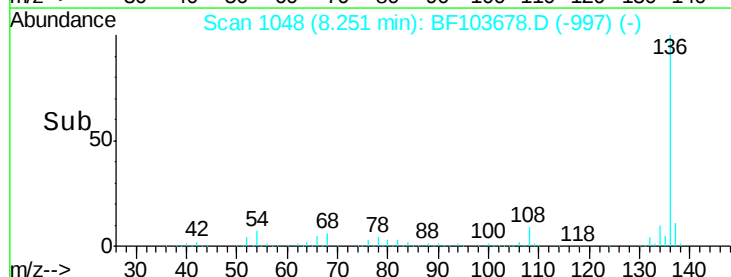


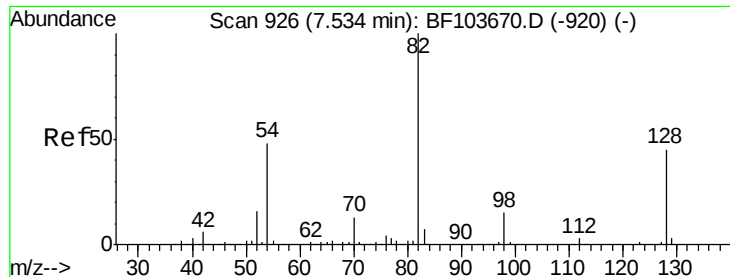
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

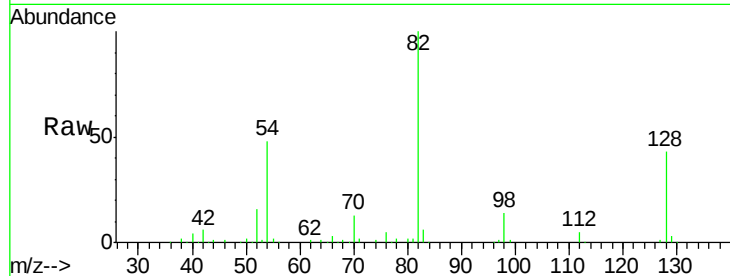




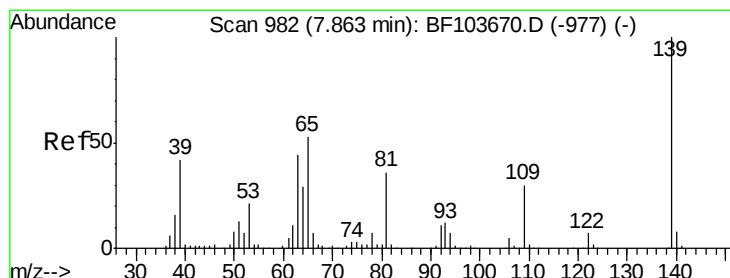
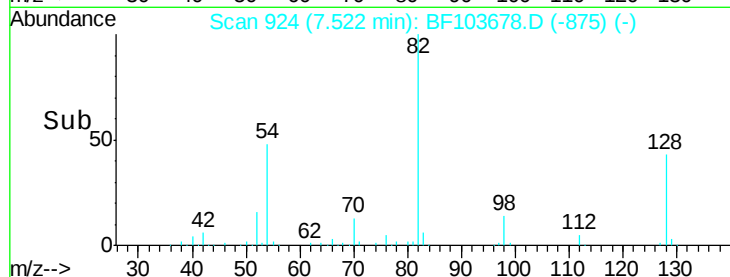
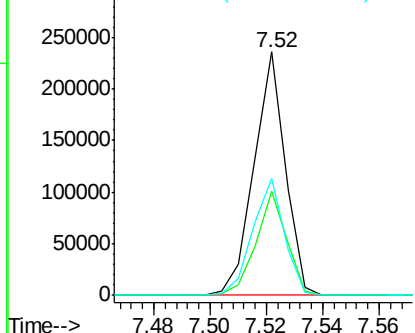
#23
 Nitrobenzene-d5
 Concen: 19.449 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion: 82 Resp: 180692
 Ion Ratio Lower Upper
 82 100
 128 43.0 36.1 54.1
 54 48.2 41.4 62.2

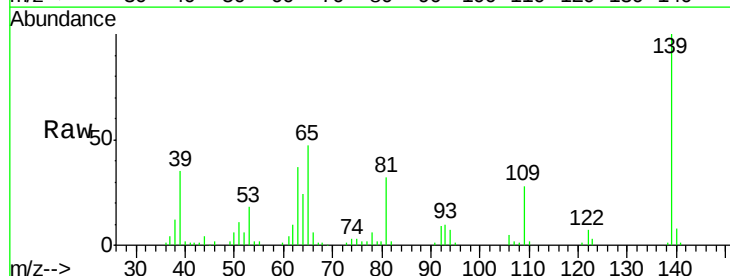


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

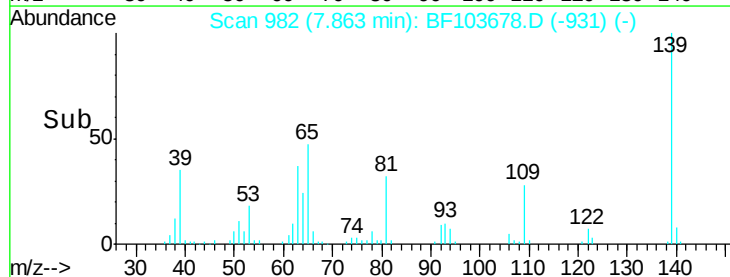
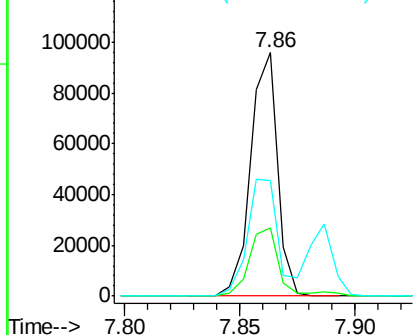


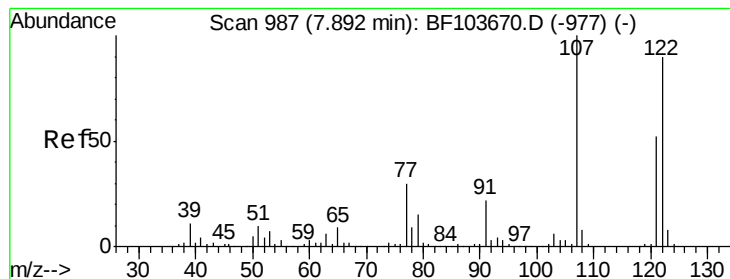
#26
 2-Nitrophenol
 Concen: 24.595 ng
 RT: 7.86 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Tgt Ion: 139 Resp: 78266
 Ion Ratio Lower Upper
 139 100
 109 27.8 22.7 34.1
 65 47.4 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
 Ion 109.00 (108.70 to 109.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 25.559 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL

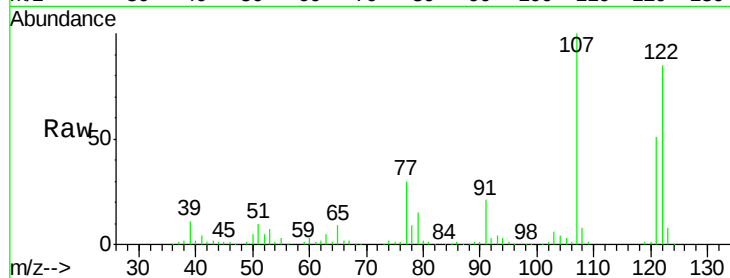
Tot Ion:122 Resp: 235487

Ion Ratio Lower Upper

122 100

107 118.3 91.2 136.8

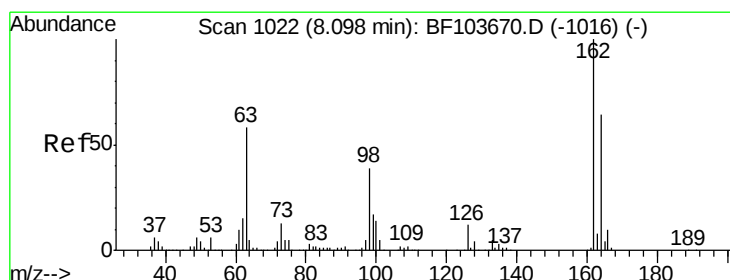
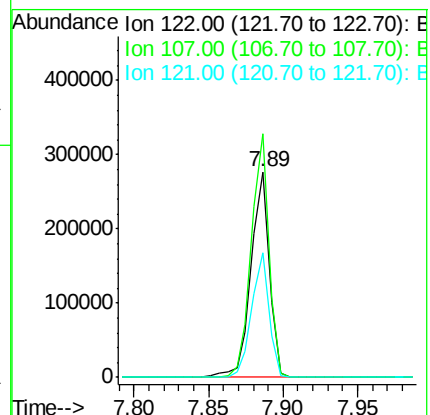
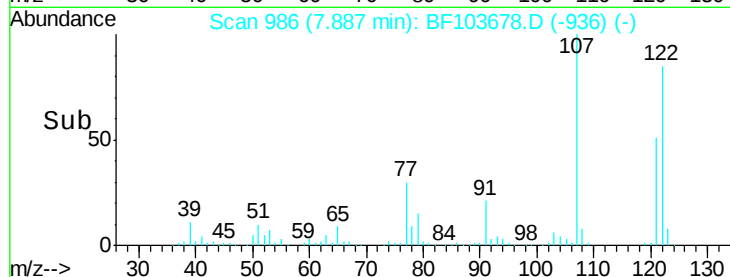
121 60.5 47.2 70.8



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: 31.784 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF103678.D

Acq: 15 Mar 2018 19:48

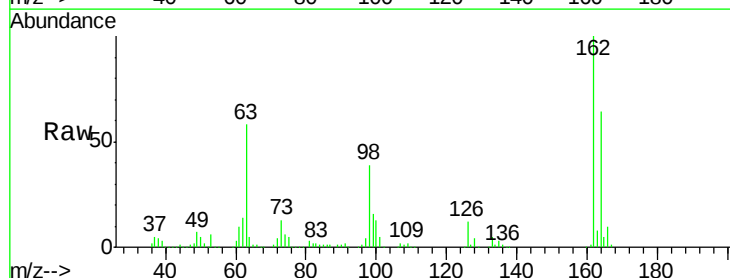
Tgt Ion:162 Resp: 266430

Ion Ratio Lower Upper

162 100

164 63.5 42.7 82.7

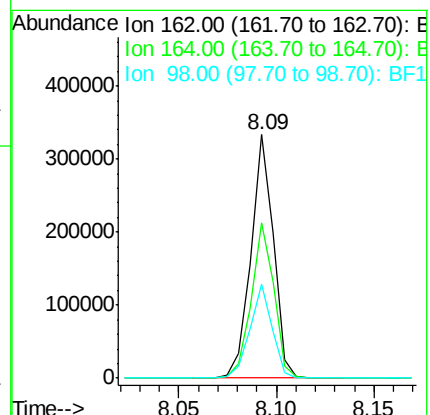
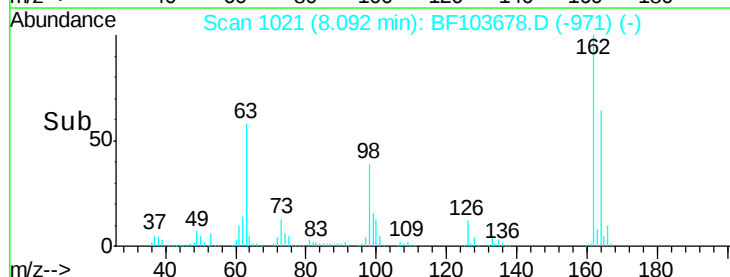
98 38.7 18.1 58.1

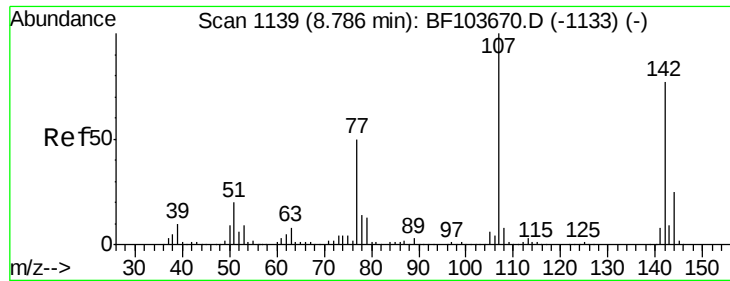


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1

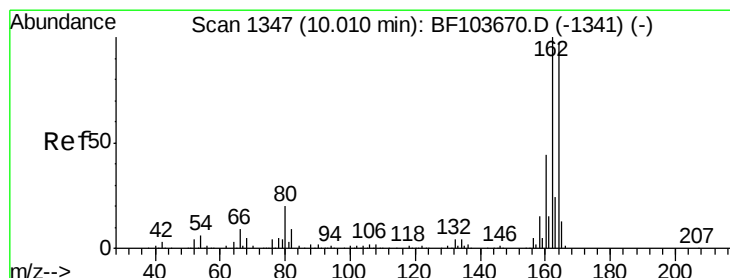
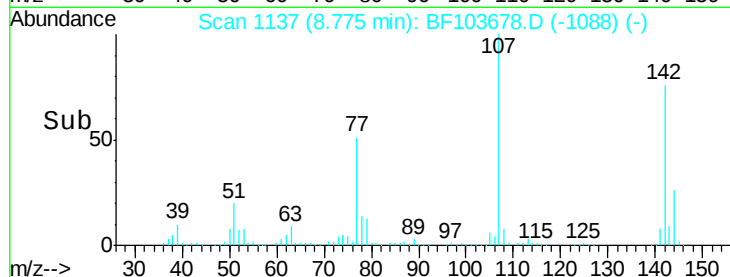
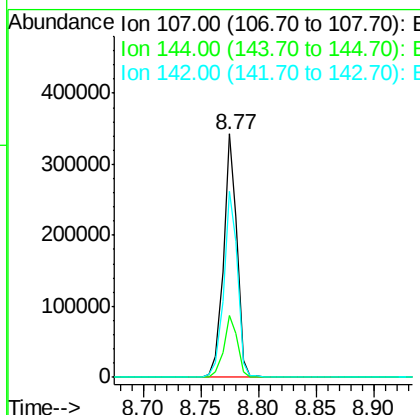
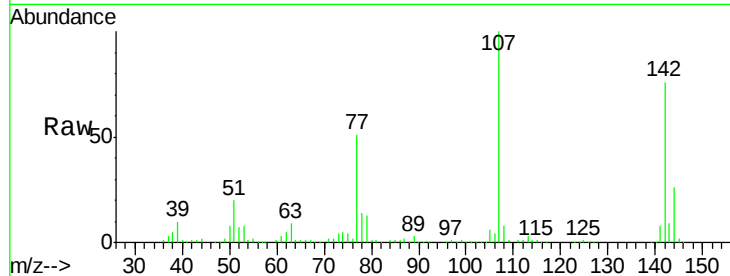




#36
 4-Chloro-3-methylphenol
 Concen: 30.132 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

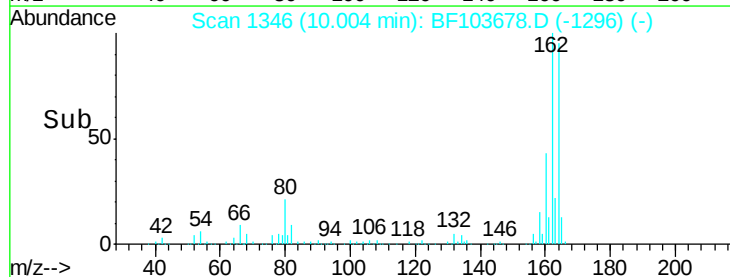
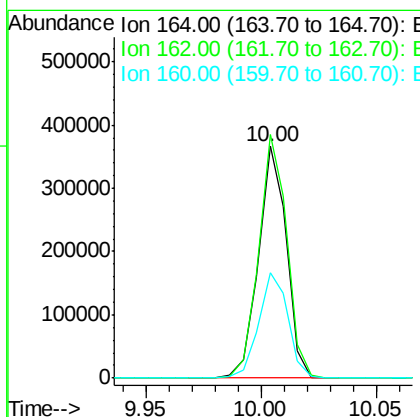
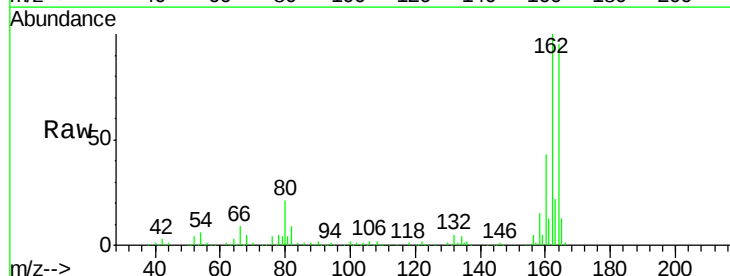
Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

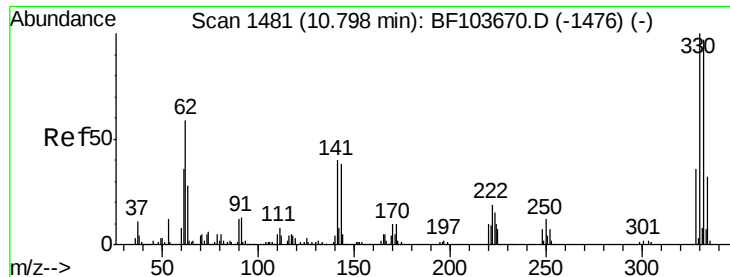
Tot Ion:107 Resp: 278453
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.5 30.7
 142 76.4 62.0 93.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Tgt Ion:164 Resp: 308728
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 45.5 38.3 57.5

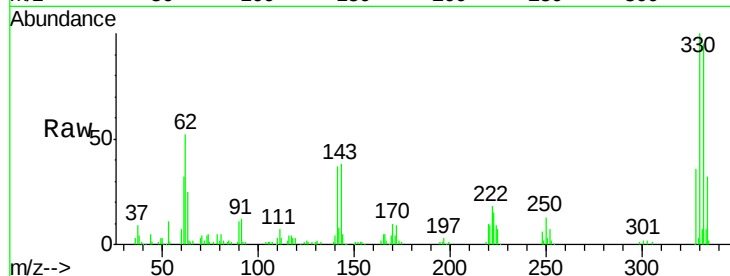




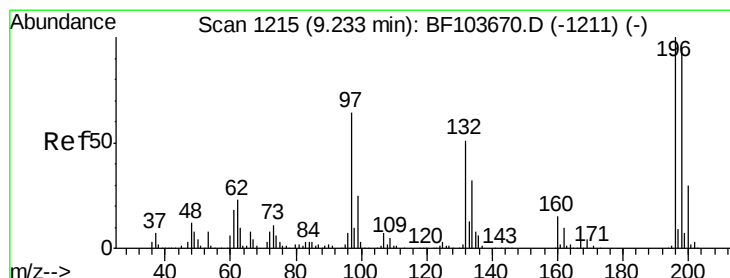
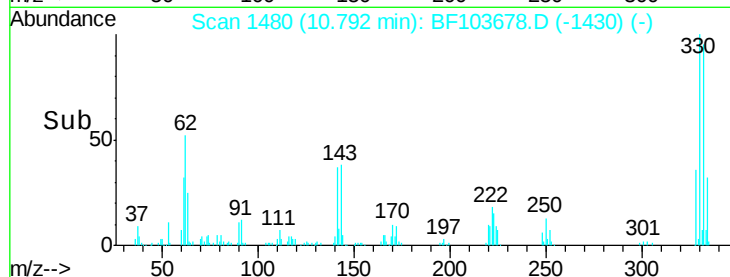
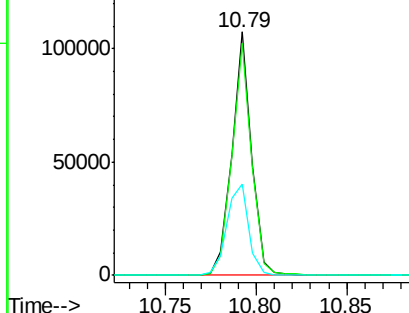
#41
 2,4,6-Tribromophenol
 Concen: 30.407 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion	330	Resp	80715
Ion Ratio	100	Lower	Upper
330	100	77.0	115.6
332	95.7	29.9	44.9
141	41.7		

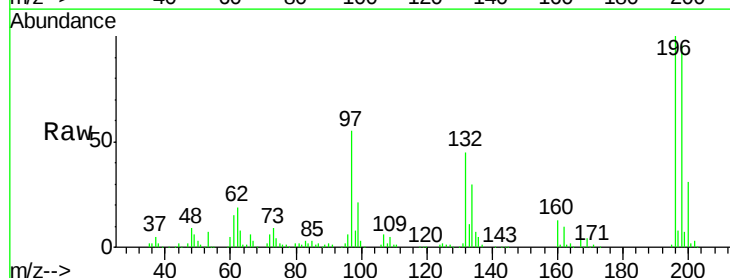


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

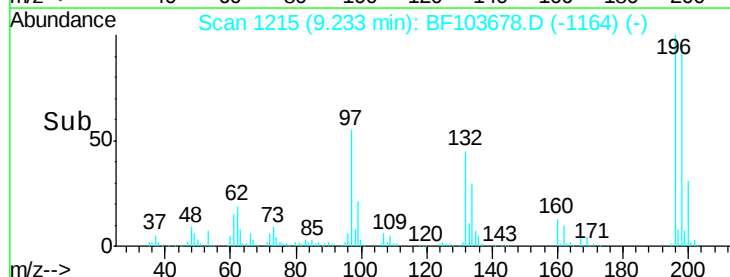
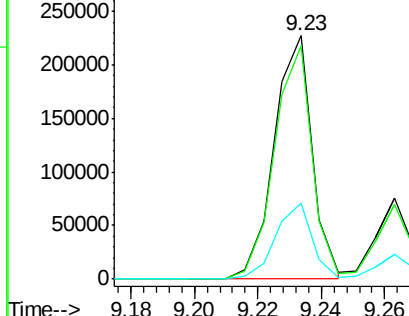


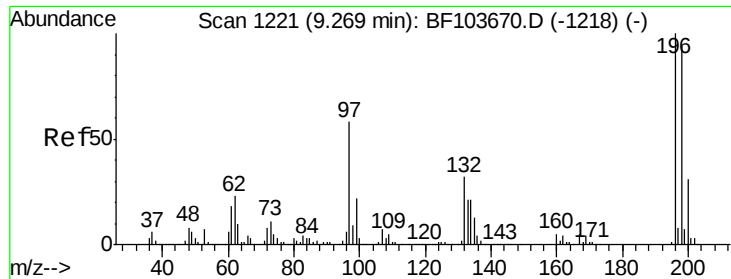
#42
 2,4,6-Trichlorophenol
 Concen: 33.577 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Tgt Ion	196	Resp	189161
Ion Ratio	100	Lower	Upper
196	100	75.7	113.5
198	96.0	24.5	36.7
200	31.2		



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

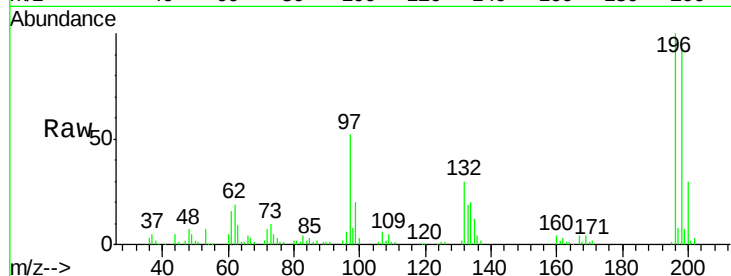




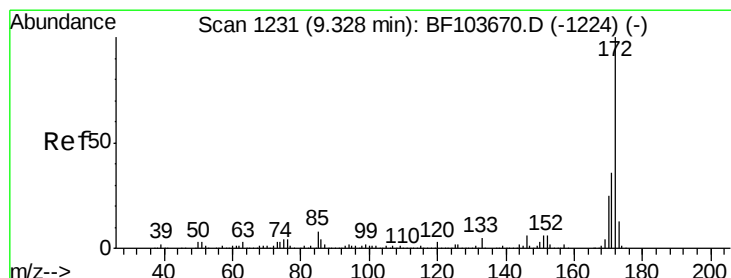
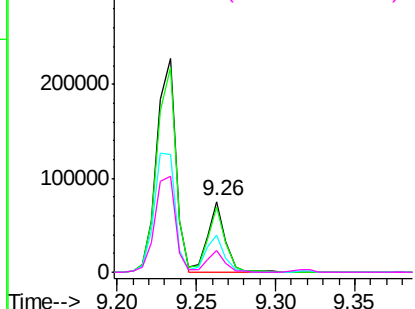
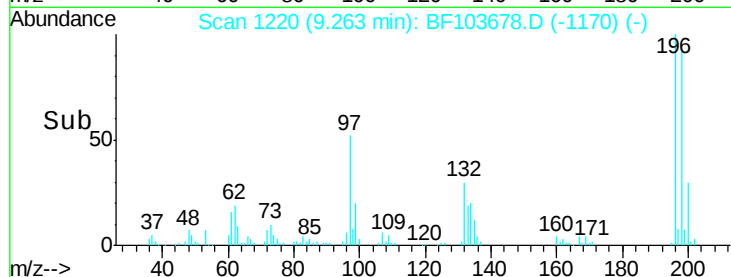
#43
 2,4,5-Trichlorophenol
 Concen: 9.230 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:196 Resp: 58692
 Ion Ratio Lower Upper
 196 100
 198 93.2 74.6 112.0
 97 51.9 42.9 64.3
 132 30.2 26.3 39.5

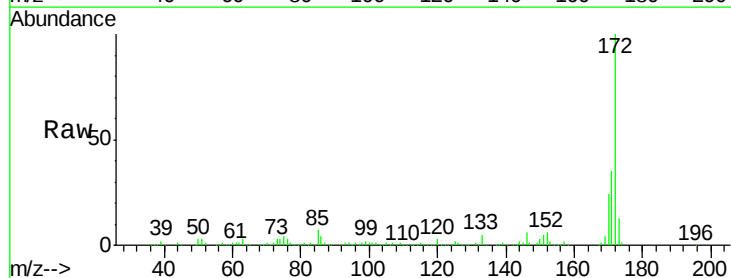


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

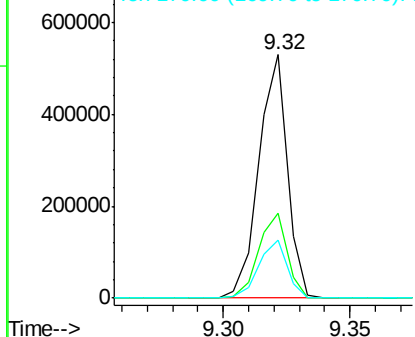
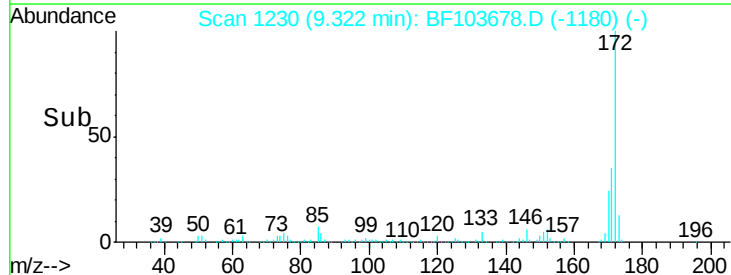


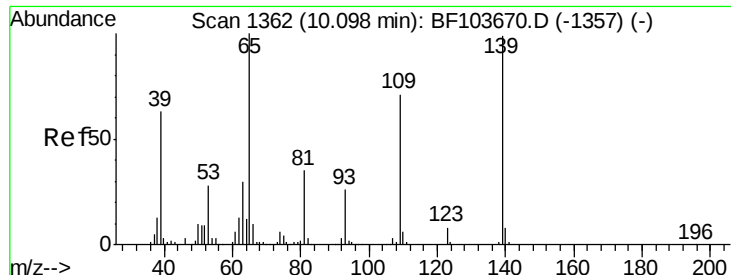
#44
 2-Fluorobiphenyl
 Concen: 21.635 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Tgt Ion:172 Resp: 418726
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 23.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

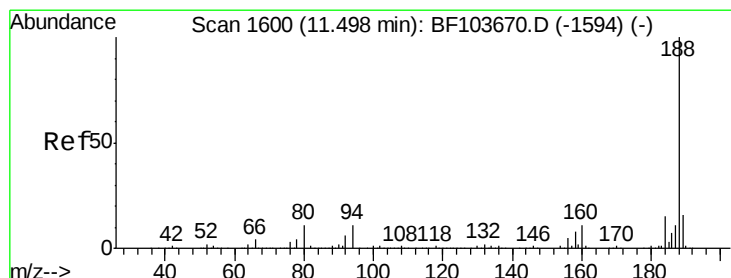
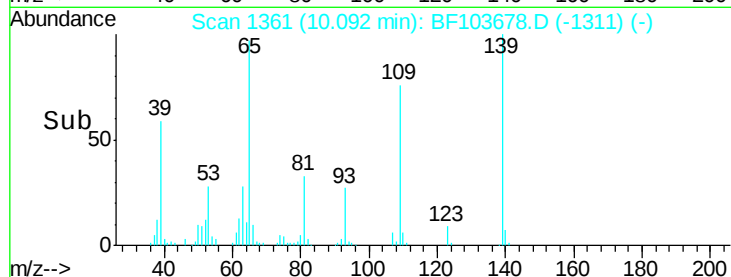
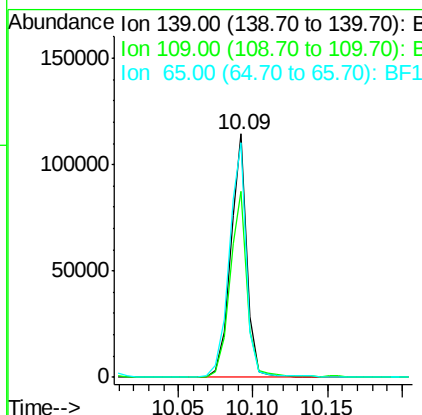
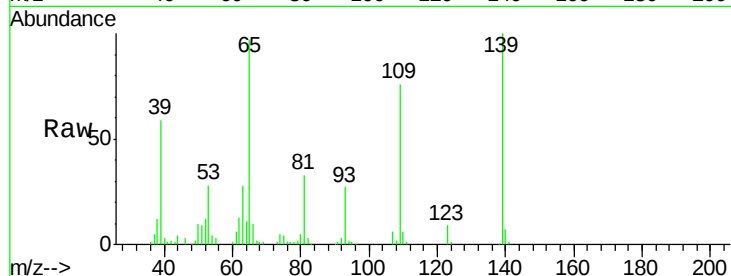




#55
4-Nitrophenol
Concen: 24.235 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

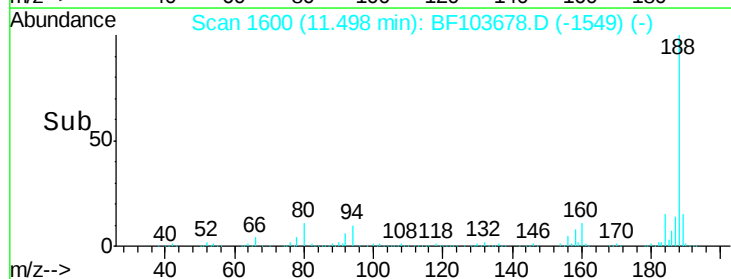
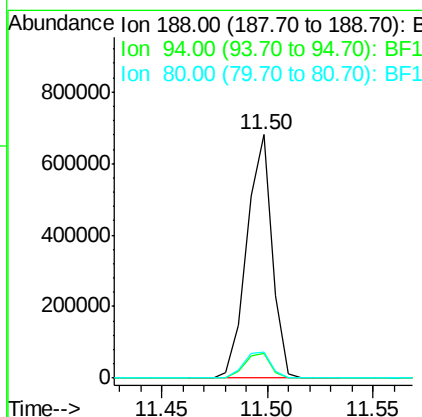
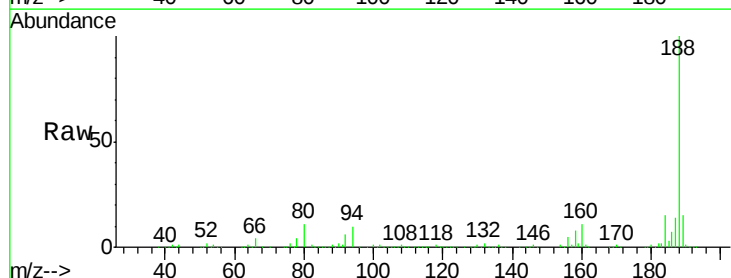
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL

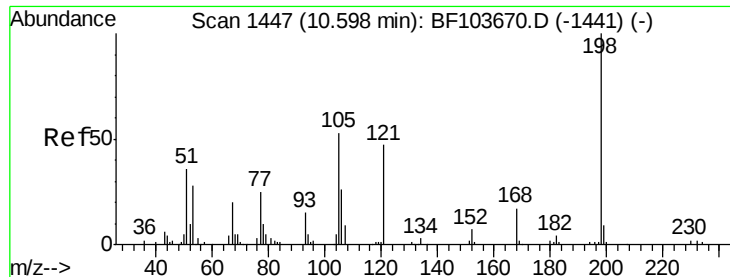
Tot Ion:139 Resp: 88584
Ion Ratio Lower Upper
139 100
109 76.2 48.4 88.4
65 96.6 72.6 112.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Tgt Ion:188 Resp: 564855
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.2 13.8

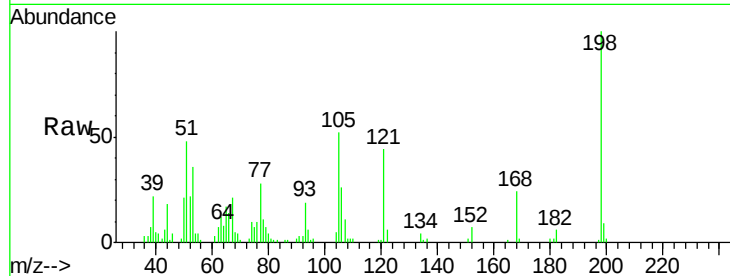




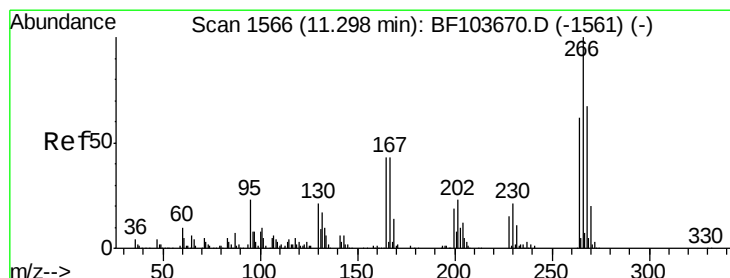
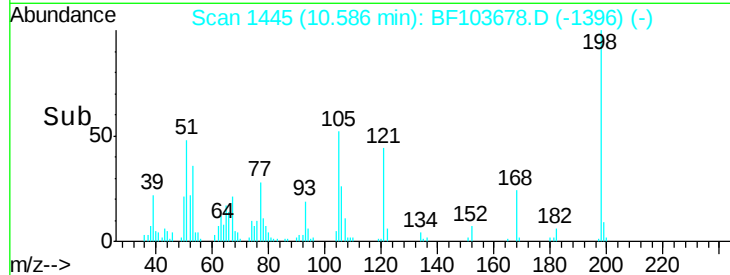
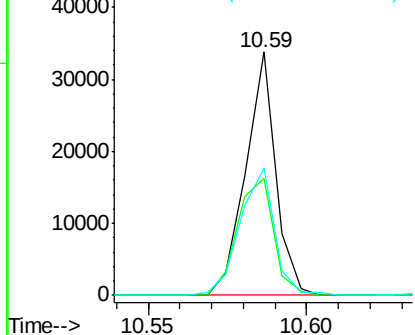
#64
 4,6-Dinitro-2-methylphenol
 Concen: 18.996 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:198 Resp: 22221
 Ion Ratio Lower Upper
 198 100
 51 47.9 37.7 77.7
 105 52.2 36.3 76.3

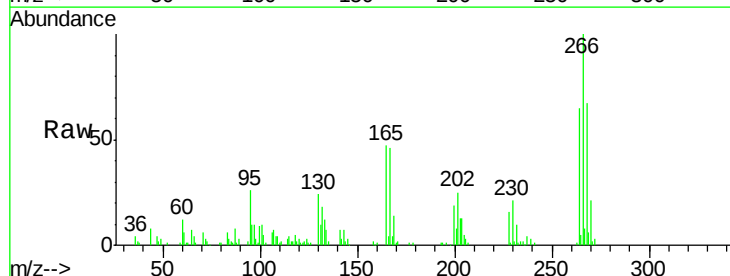


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

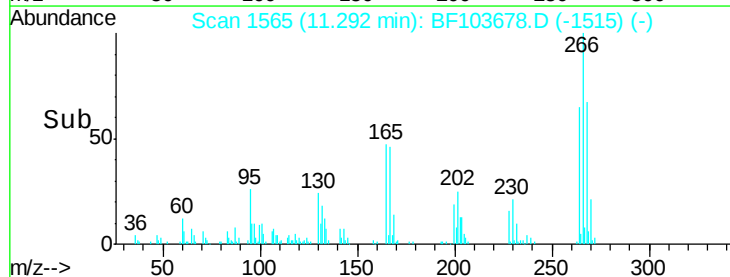
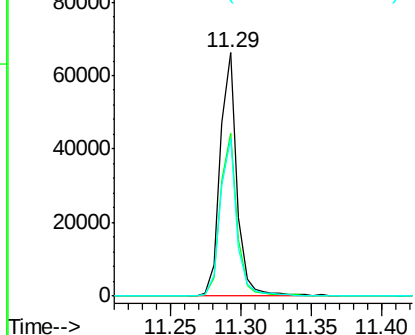


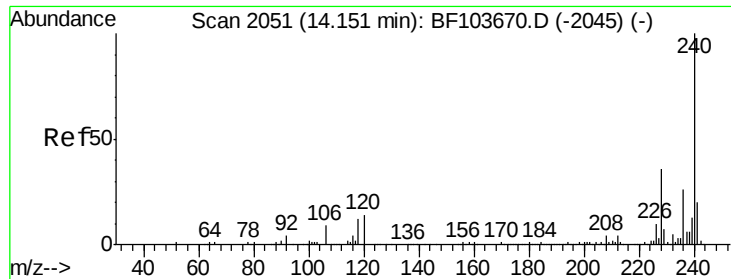
#69
 Pentachlorophenol
 Concen: 14.375 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF103678.D
 Acq: 15 Mar 2018 19:48

Tgt Ion:266 Resp: 54703
 Ion Ratio Lower Upper
 266 100
 268 66.9 51.1 76.7
 264 64.7 49.5 74.3



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

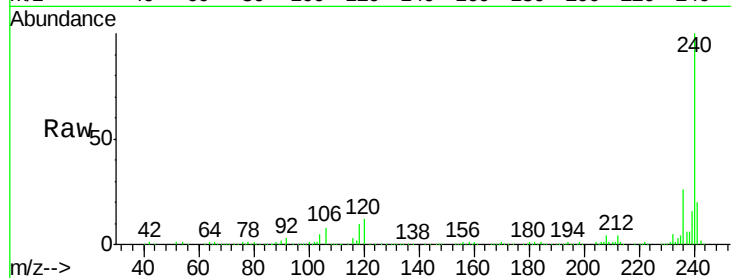




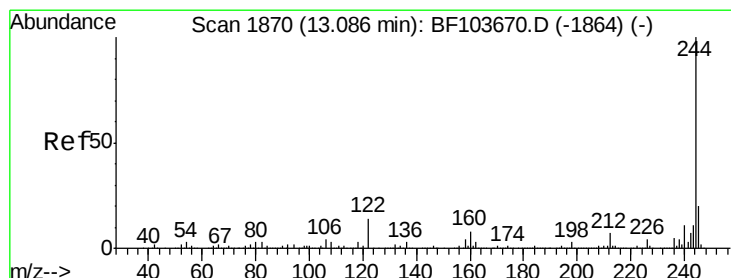
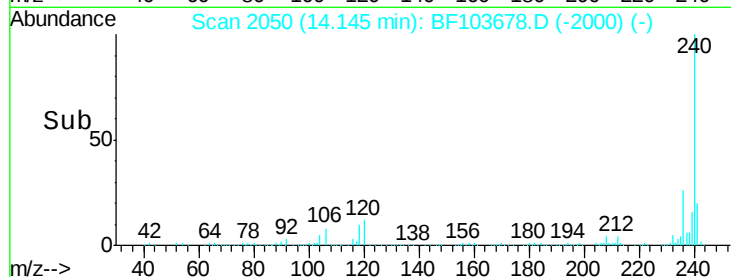
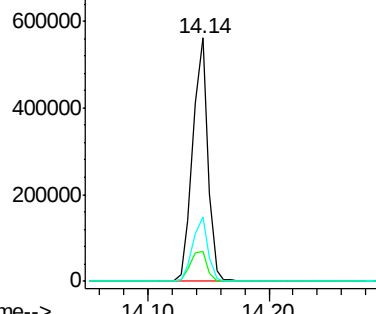
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:240 Resp: 483669
Ion Ratio Lower Upper
240 100
120 12.0 9.5 14.3
236 26.2 20.7 31.1

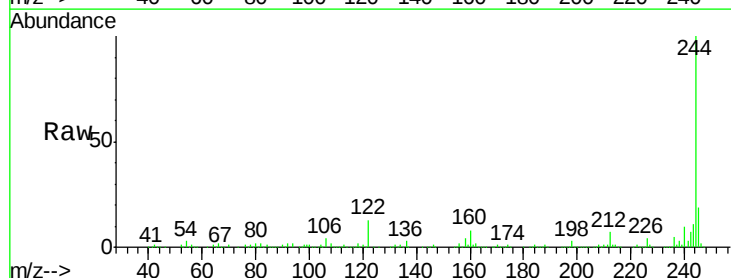


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

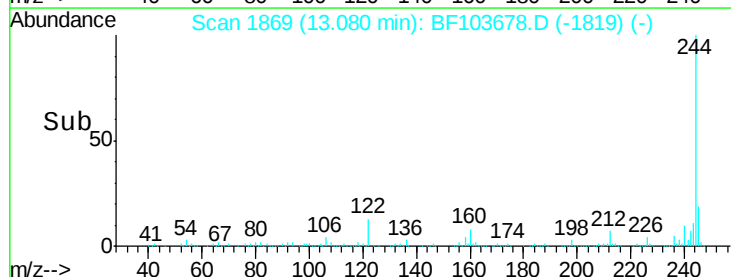
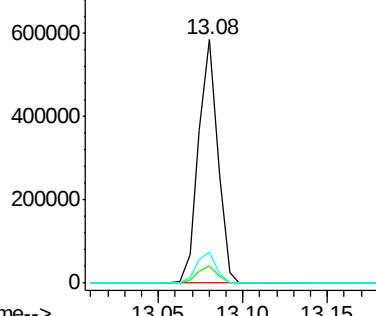


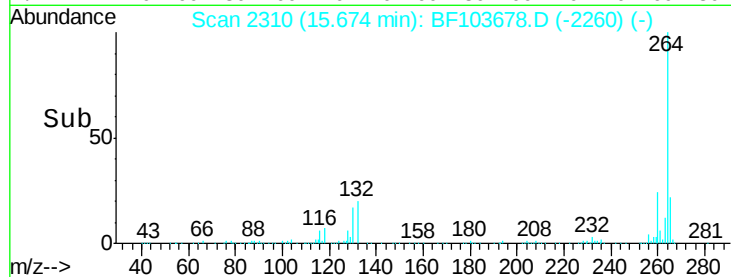
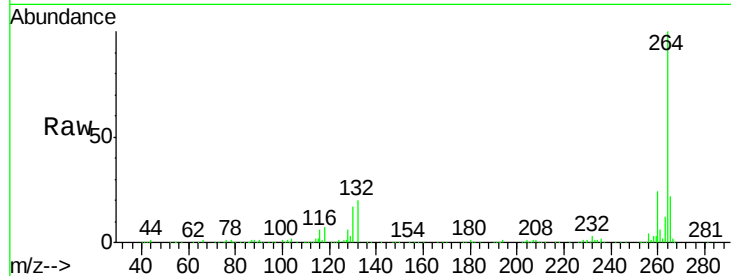
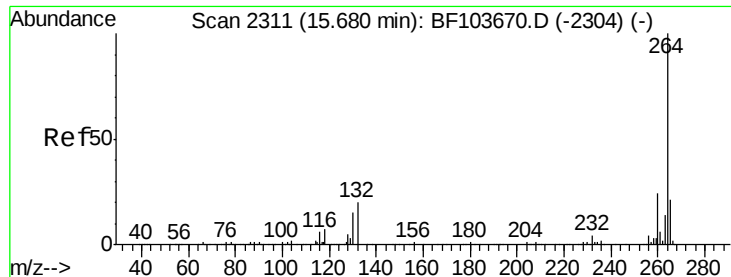
#78
Terphenyl-d14
Concen: 22.275 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Tgt Ion:244 Resp: 464163
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.7 11.0 16.4



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: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BF103678.D
Acq: 15 Mar 2018 19:48

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

