

Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\
 Data File : BF077012.D
 Acq On : 22 Jan 2015 14:01
 Operator : TP/IZ
 Sample : G1100-12DL 5X
 Misc : ACID/W
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:07:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 21 14:45:53 2015
 Response via : Initial Calibration

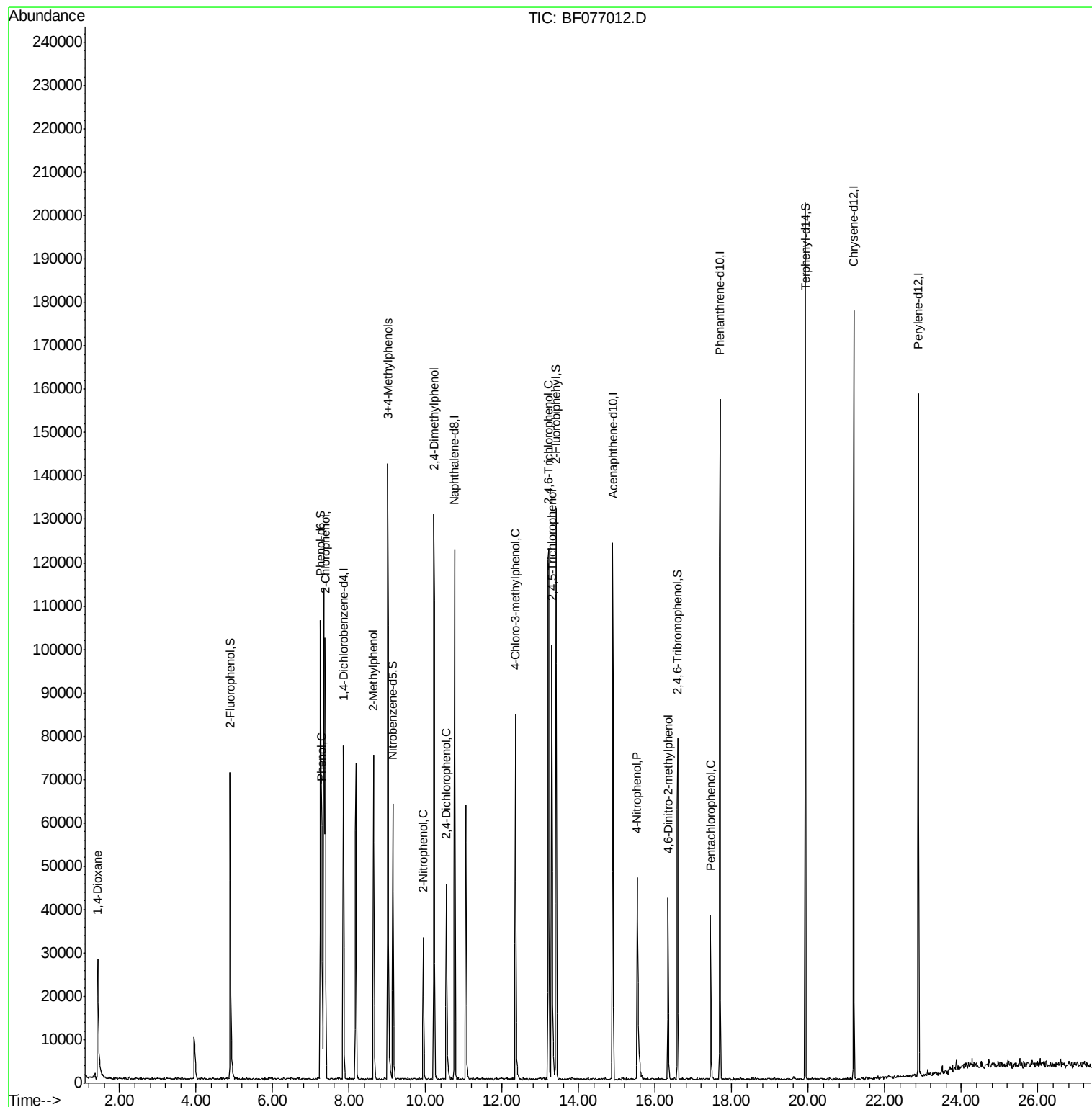
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	23377	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	92470	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	49822	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	87194	20.00	ng	0.00
75) Chrysene-d12	21.19	240	84216	20.00	ng	-0.01
86) Perylene-d12	22.87	264	76496	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	41839	29.43	ng	-0.01
7) Phenol-d6	7.25	99	54996	30.66	ng	-0.02
23) Nitrobenzene-d5	9.14	82	35796	21.45	ng	-0.02
41) 2,4,6-Tribromophenol	16.59	330	13081	32.35	ng	-0.01
44) 2-Fluorobiphenyl	13.41	172	74668	22.81	ng	-0.01
78) Terphenyl-d14	19.92	244	78513	21.46	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.43	88	1273	2.09	ng	Qvalue # 12
8) 2-Chlorophenol	7.37	128	47208	28.80	ng	97
10) Phenol	7.28	94	42680	22.41	ng	95
17) 2-Methylphenol	8.63	107	23847	17.80	ng	# 92
20) 3+4-Methylphenols	9.01	107	64767	36.52	ng	96
26) 2-Nitrophenol	9.93	139	10111	12.95	ng	# 67
27) 2,4-Dimethylphenol	10.21	122	39140	29.77	ng	91
29) 2,4-Dichlorophenol	10.54	162	19284	15.74	ng	96
36) 4-Chloro-3-methylphenol	12.35	107	30481	21.72	ng	95
42) 2,4,6-Trichlorophenol	13.21	196	32163	35.84	ng	97
43) 2,4,5-Trichlorophenol	13.29	196	30360	33.17	ng	96
55) 4-Nitrophenol	15.52	139	16929	30.57	ng	# 79
64) 4,6-Dinitro-2-methylphenol	16.33	198	8184	16.90	ng	89
69) Pentachlorophenol	17.44	266	6900	21.68	ng	90

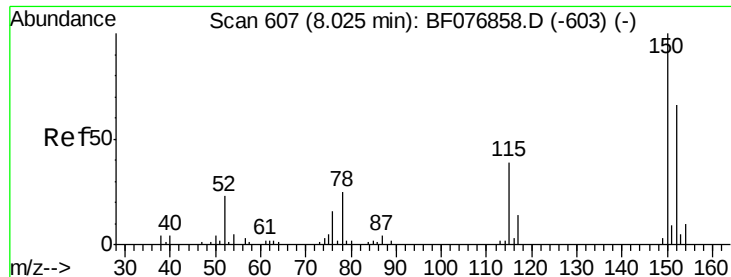
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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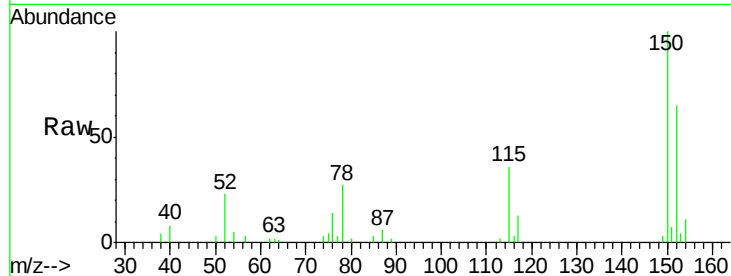


#1

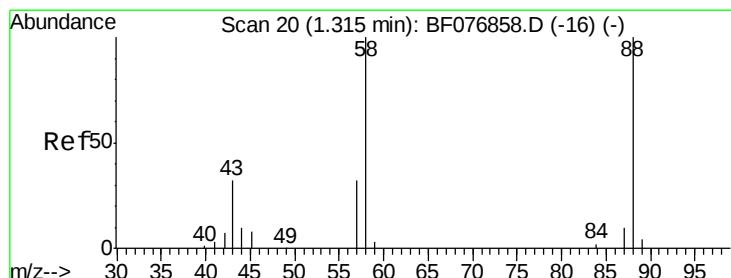
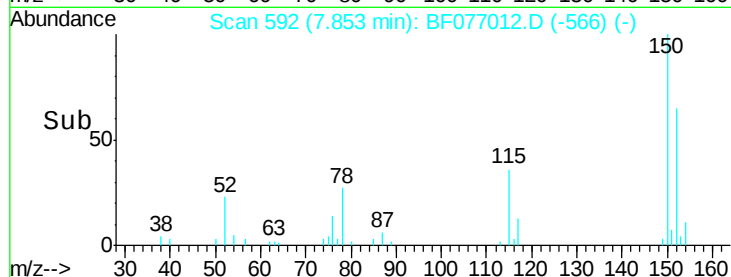
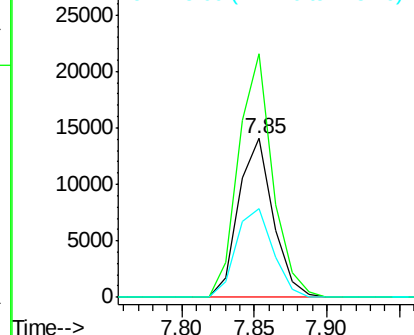
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 23377
Ion Ratio Lower Upper
152 100
150 153.5 121.7 182.5
115 55.6 47.0 70.6



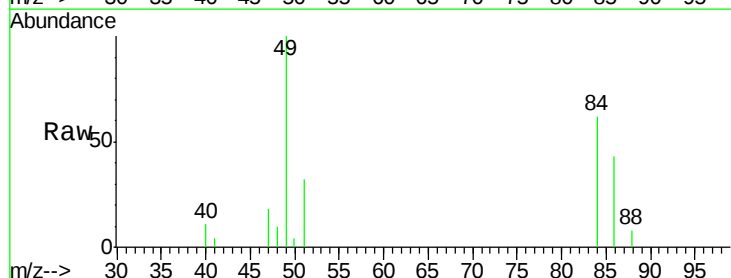
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



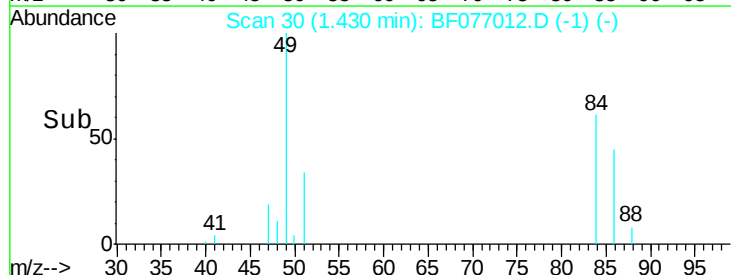
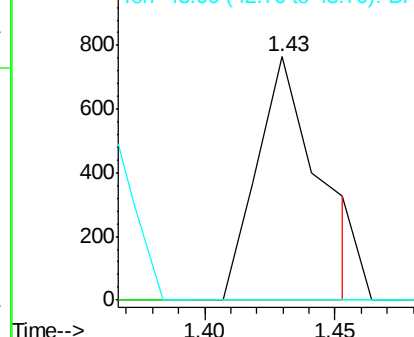
#2

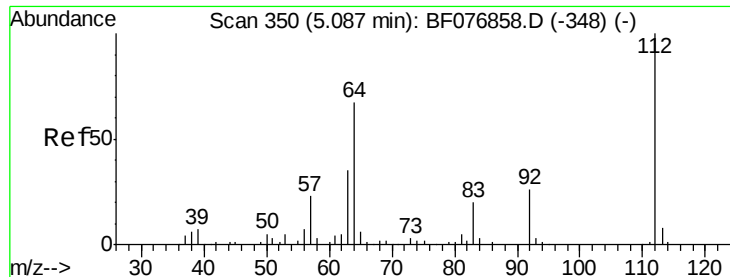
1,4-Dioxane
Concen: 2.09 ng
RT: 1.43 min Scan# 30
Delta R.T. 0.23 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Tgt Ion: 88 Resp: 1273
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 29.43 ng

RT: 4.89 min Scan# 333

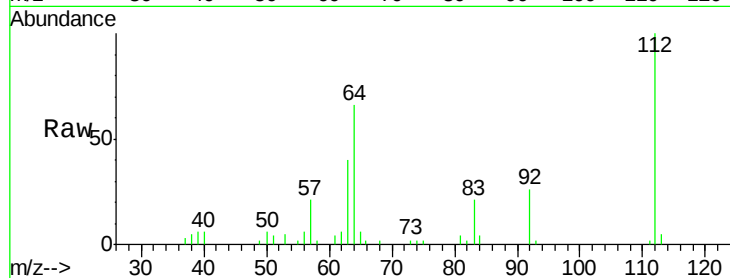
Delta R.T. -0.01 min

Lab File: BF077012.D

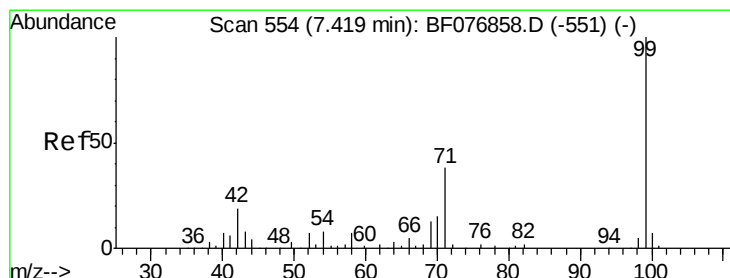
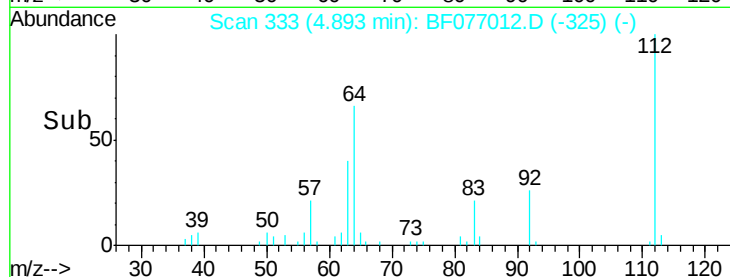
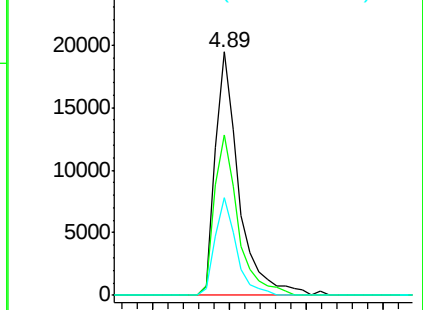
Acq: 22 Jan 2015 14:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	41839
Ion	Ratio	Lower	Upper
112	100		
64	66.0	54.2	81.4
63	39.9	28.4	42.6



Abundance Ion 112.00 (111.70 to 112.70): BF077012.D (-325) (-)



#7

Phenol-d6

Concen: 30.66 ng

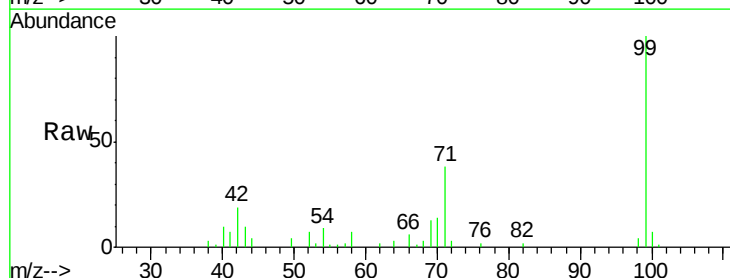
RT: 7.25 min Scan# 539

Delta R.T. -0.02 min

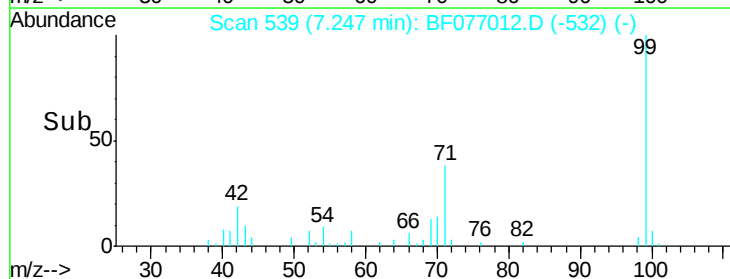
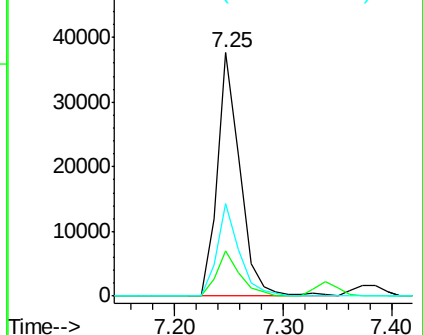
Lab File: BF077012.D

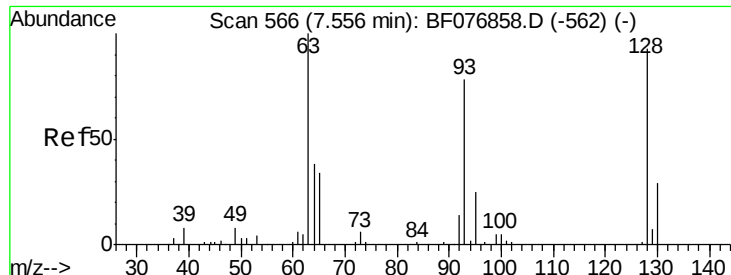
Acq: 22 Jan 2015 14:01

Tgt Ion:	99	Resp:	54996
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	38.1	30.5	45.7



Abundance Ion 99.00 (98.70 to 99.70): BF077012.D (-532) (-)





#8

2-Chlorophenol

Concen: 28.80 ng

RT: 7.37 min Scan# 550

Delta R.T. -0.01 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Instrument :

BNA_F

ClientSampleId :

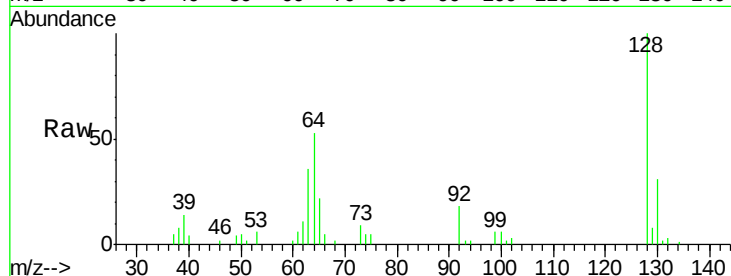
Tot Ion:128 Resp: 47208

Ion Ratio Lower Upper

128 100

130 31.1 11.0 51.0

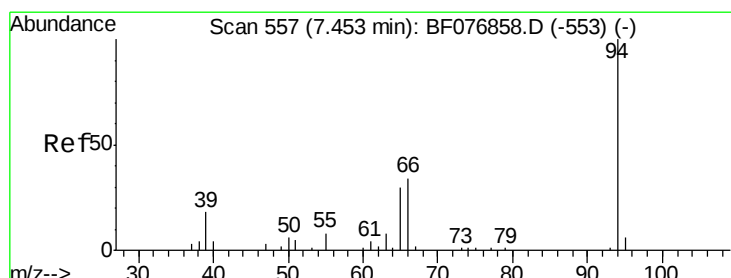
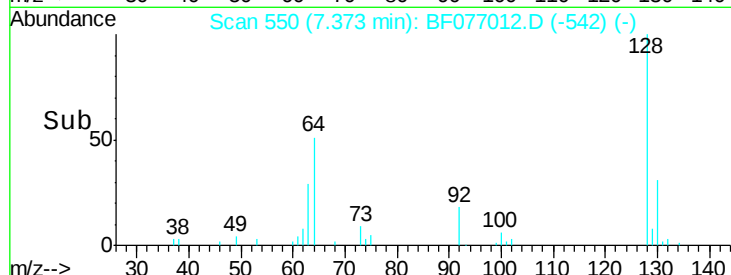
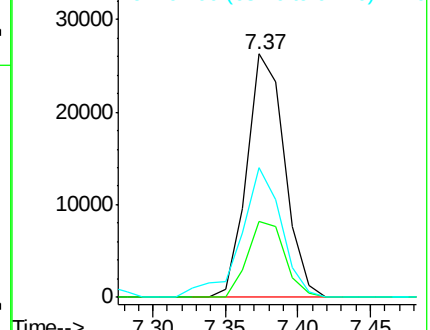
64 53.1 29.3 69.3



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: 22.41 ng

RT: 7.28 min Scan# 542

Delta R.T. -0.02 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

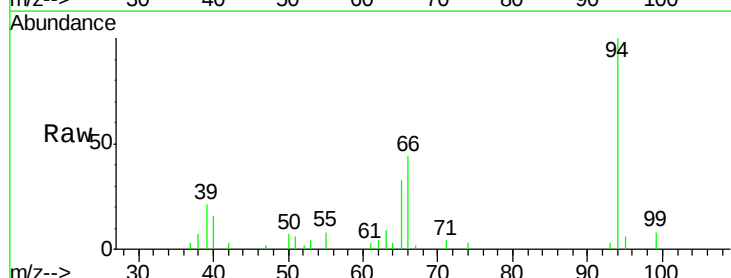
Tgt Ion: 94 Resp: 42680

Ion Ratio Lower Upper

94 100

65 32.7 11.3 51.3

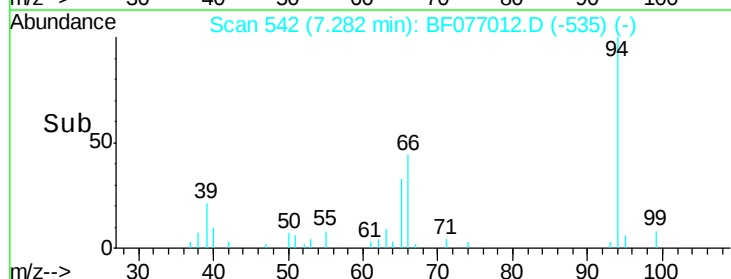
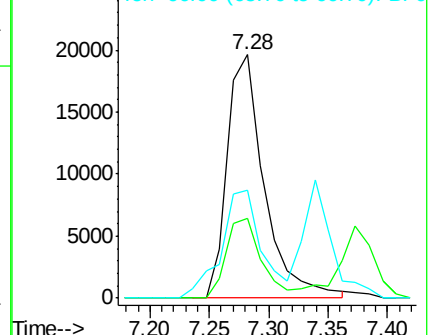
66 44.2 19.5 59.5

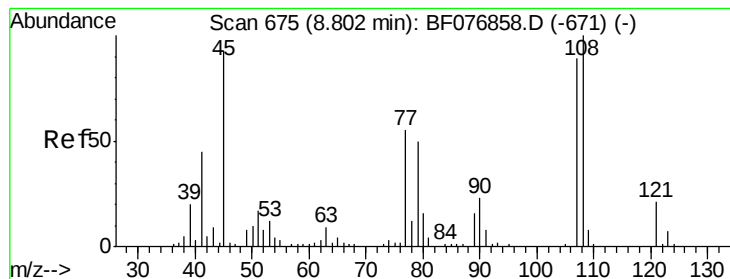


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 17.80 ng

RT: 8.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 23847

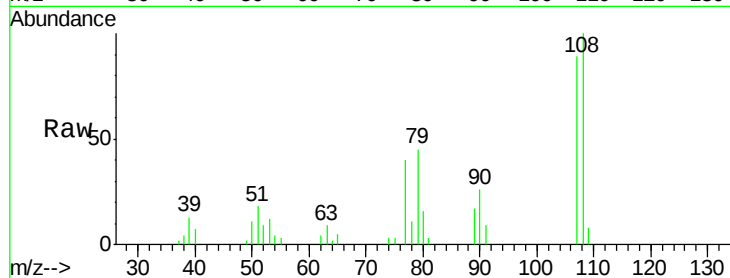
Ion Ratio Lower Upper

107 100

108 112.4 89.7 134.5

77 45.3 50.1 75.1#

79 50.6 45.0 67.6



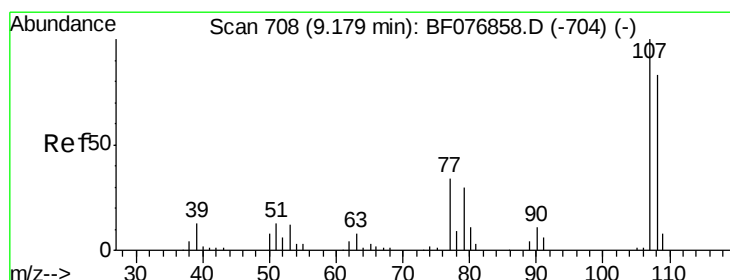
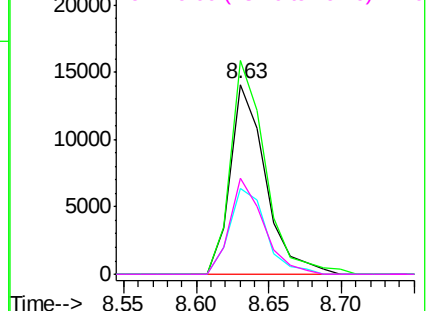
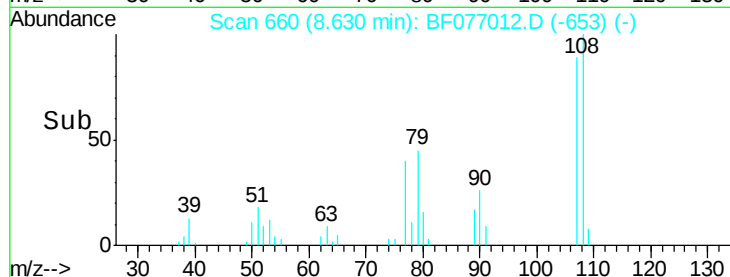
Abundance

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



#20

3+4-Methylphenols

Concen: 36.52 ng

RT: 9.01 min Scan# 693

Delta R.T. -0.02 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Tgt Ion:107 Resp: 64767

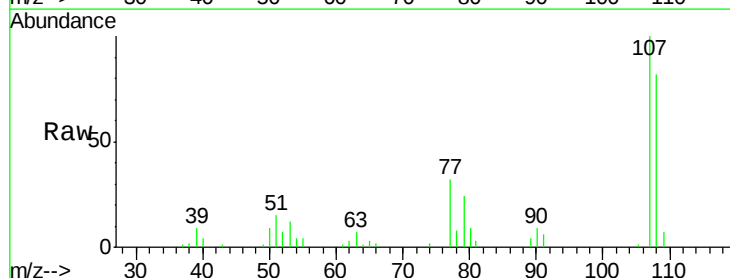
Ion Ratio Lower Upper

107 100

108 81.9 63.5 103.5

77 32.4 14.0 54.0

79 23.9 9.9 49.9



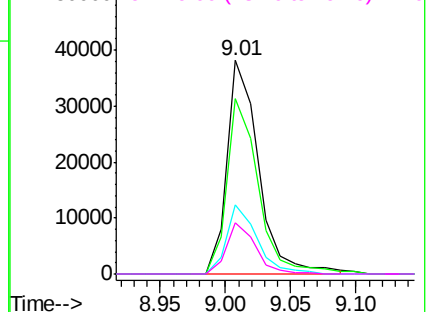
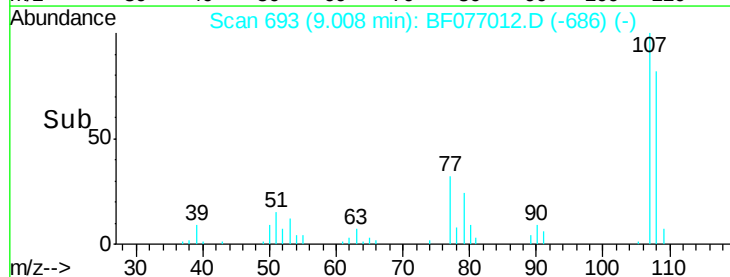
Abundance

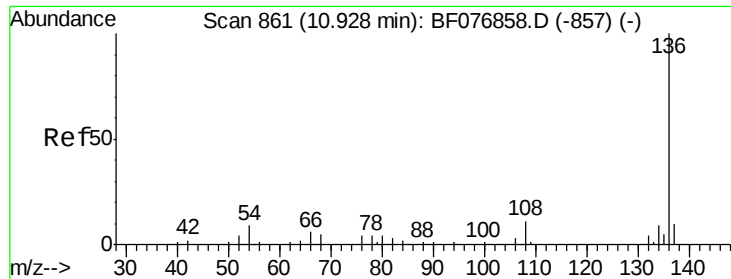
Ion 107.00 (106.70 to 107.70): E

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

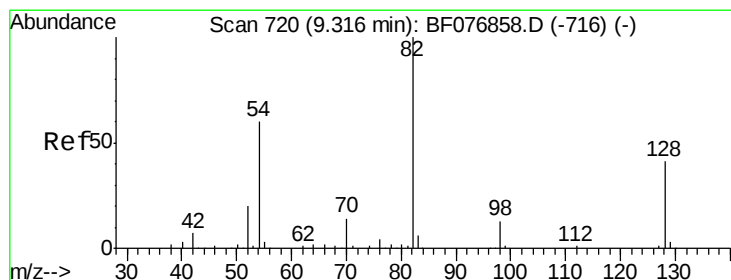
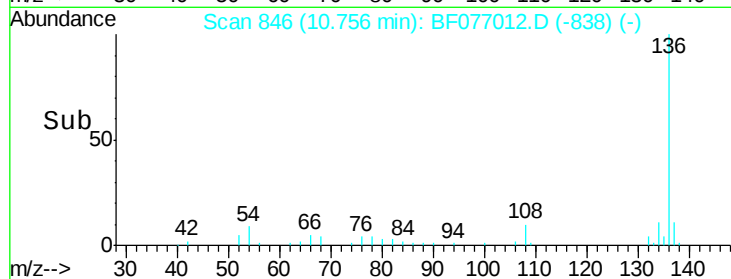
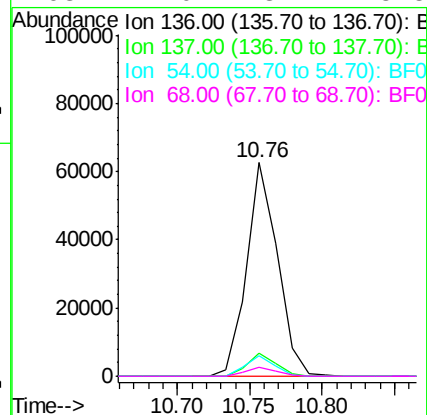
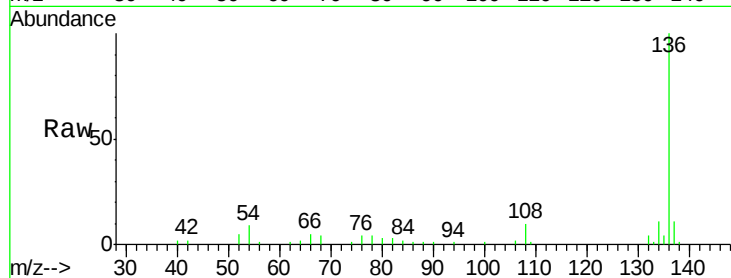




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

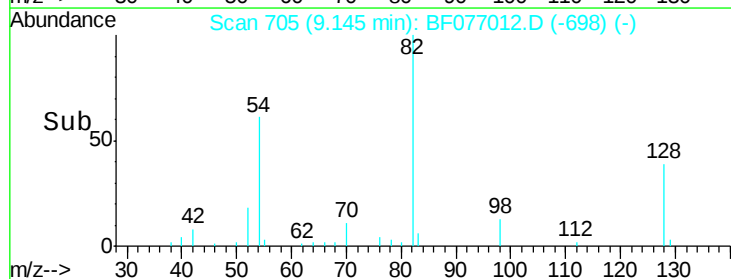
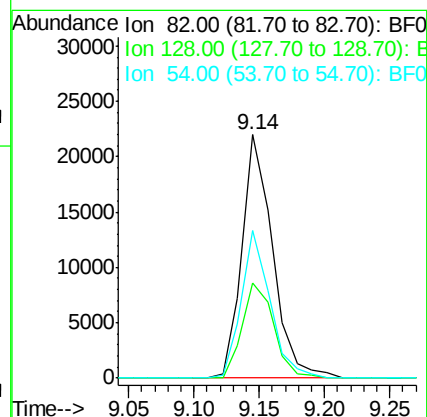
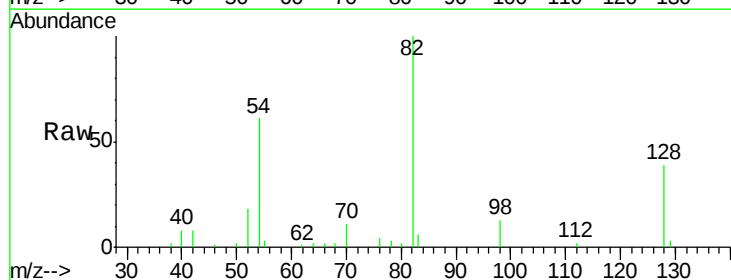
Instrument :
BNA_F
ClientSampleId :

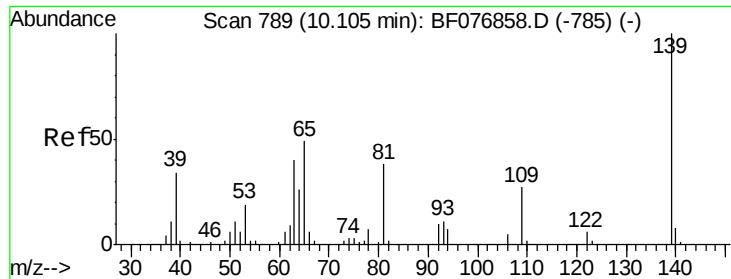
Tot Ion:136	Resp:	92470
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.1	12.1
54 9.4	7.0	10.4
68 4.0	3.7	5.5



#23
Nitrobenzene-d5
Concen: 21.45 ng
RT: 9.14 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Tgt Ion: 82	Resp:	35796
Ion Ratio	Lower	Upper
82 100		
128 39.3	33.1	49.7
54 60.8	48.3	72.5

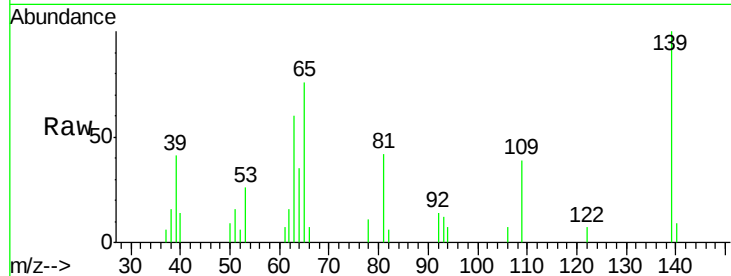




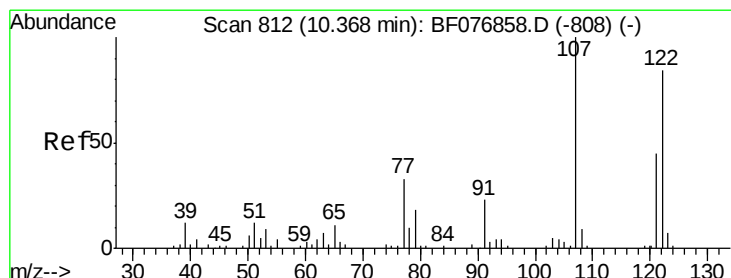
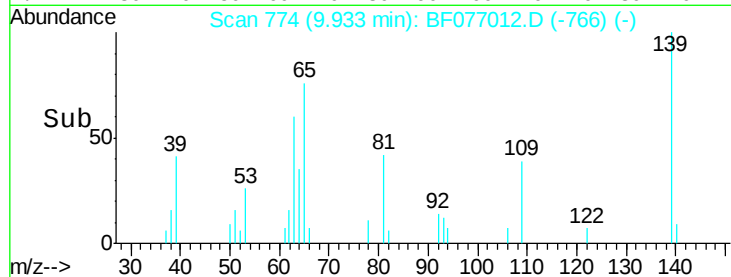
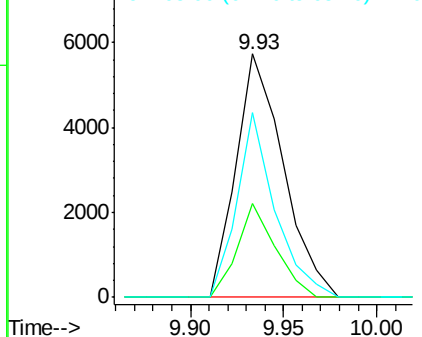
#26
2-Nitrophenol
Concen: 12.95 ng
RT: 9.93 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 10111
Ion Ratio Lower Upper
139 100
109 38.5 21.3 31.9#
65 75.7 39.4 59.0#

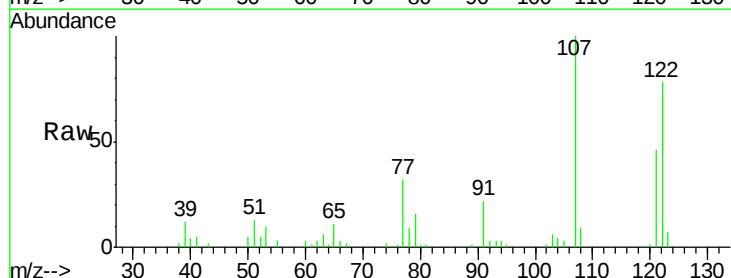


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

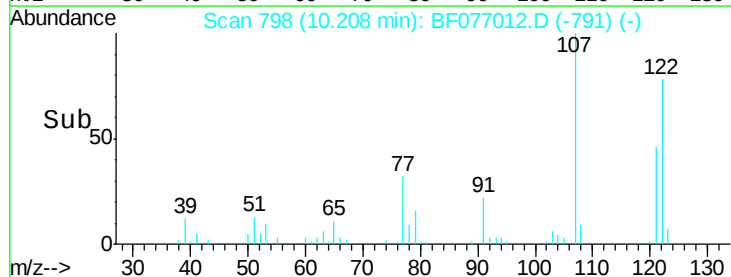
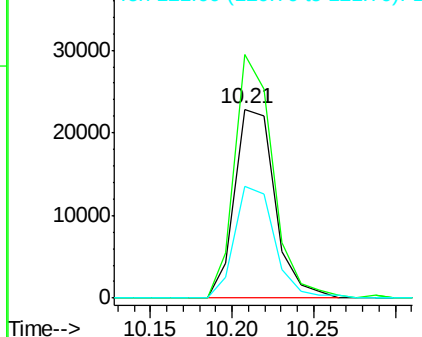


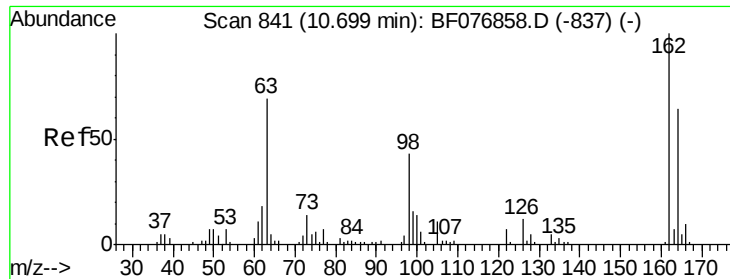
#27
2,4-Dimethylphenol
Concen: 29.77 ng
RT: 10.21 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Tgt Ion:122 Resp: 39140
Ion Ratio Lower Upper
122 100
107 128.8 95.2 142.8
121 59.2 42.9 64.3



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

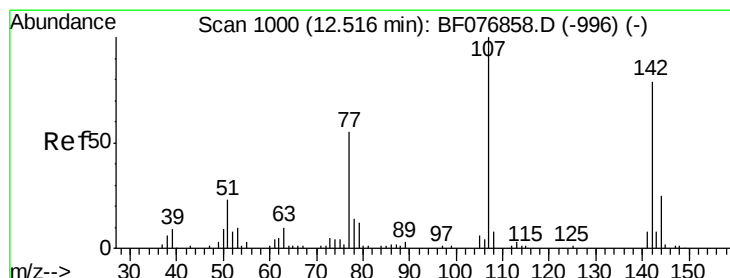
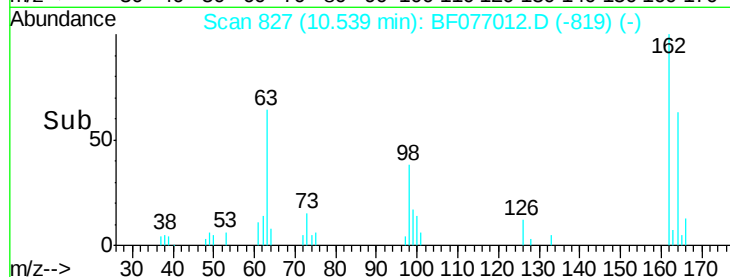
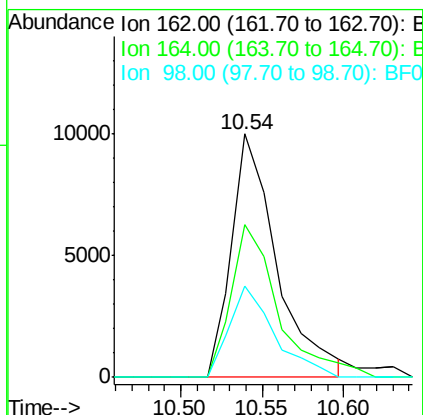
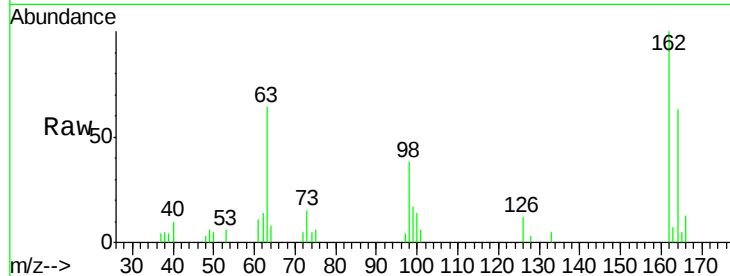




#29
2,4-Dichlorophenol
Concen: 15.74 ng
RT: 10.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

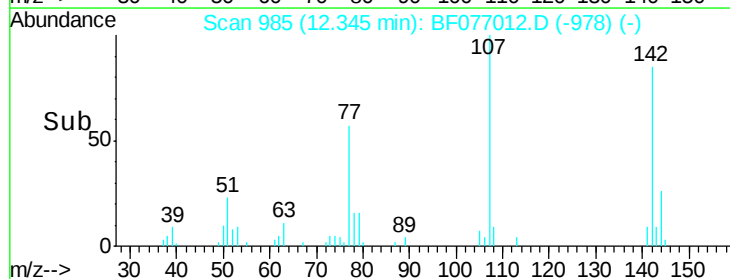
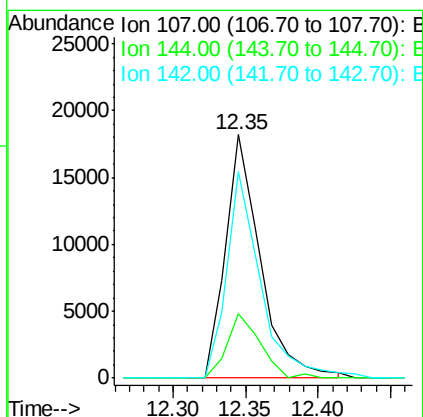
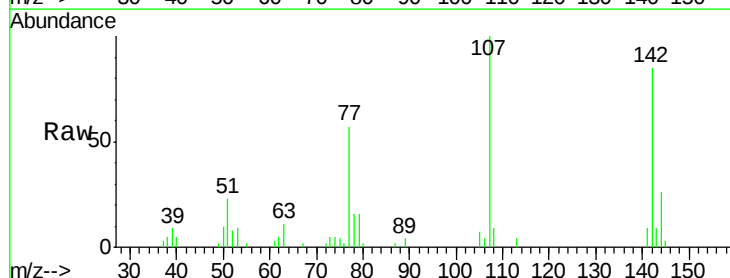
Instrument :
BNA_F
ClientSampled :

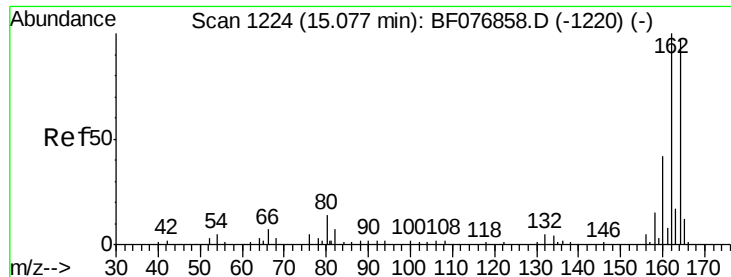
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.8	83.8
98	37.6	22.5	62.5



#36
4-Chloro-3-methylphenol
Concen: 21.72 ng
RT: 12.35 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.0	30.0
142	85.0	63.5	95.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Instrument :

BNA_F

ClientSampleId :

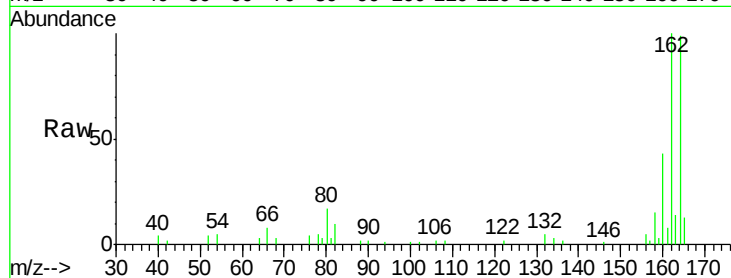
Tot Ion:164 Resp: 49822

Ion Ratio Lower Upper

164 100

162 101.3 82.4 123.6

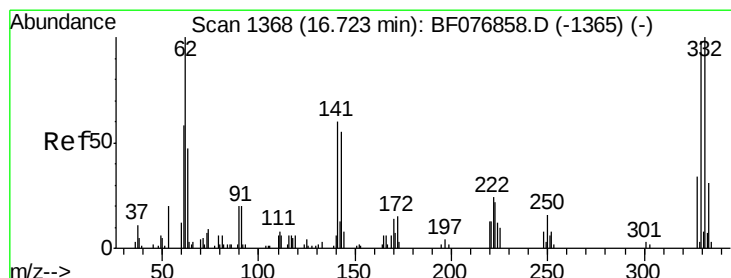
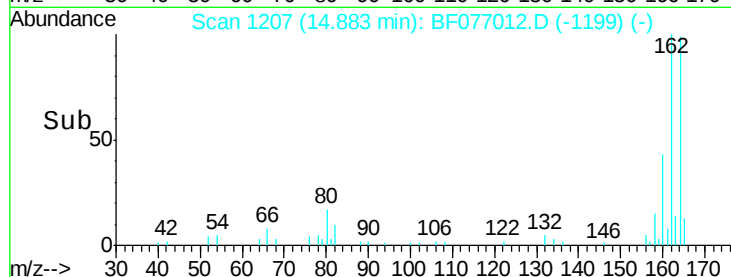
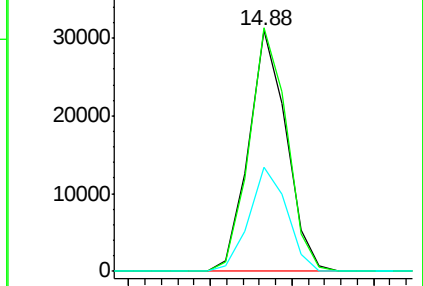
160 43.1 34.8 52.2



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: 32.35 ng

RT: 16.59 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

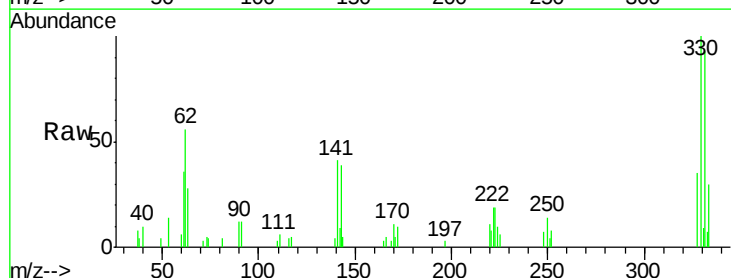
Tgt Ion:330 Resp: 13081

Ion Ratio Lower Upper

330 100

332 94.8 77.8 116.6

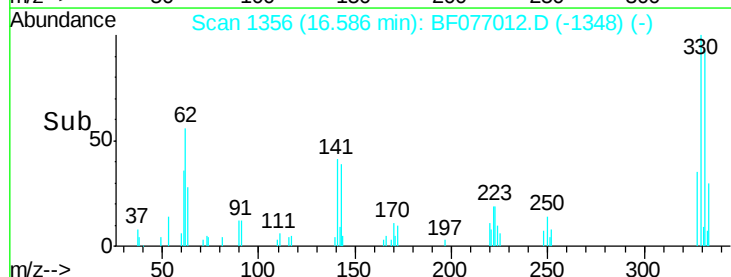
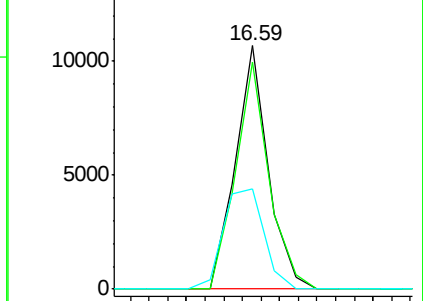
141 51.1 38.5 57.7

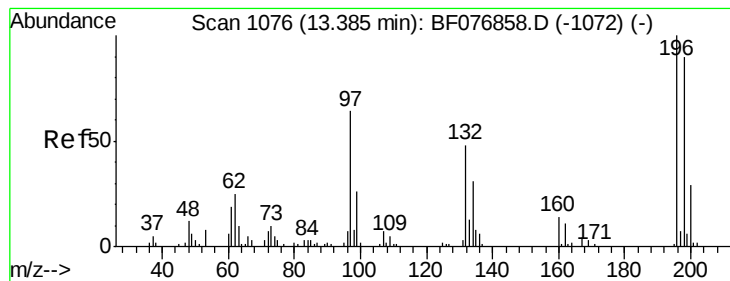


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 35.84 ng

RT: 13.21 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Instrument :

BNA_F

ClientSampled :

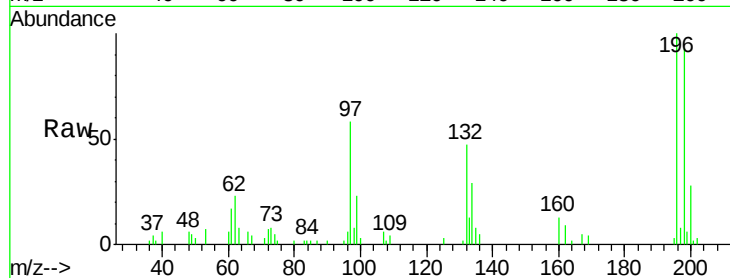
Tot Ion:196 Resp: 32163

Ion Ratio Lower Upper

196 100

198 93.3 72.0 108.0

200 27.9 23.4 35.2

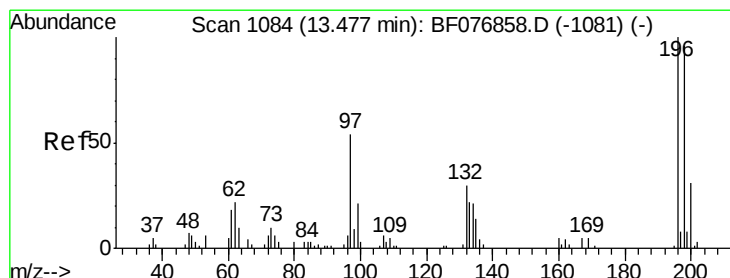
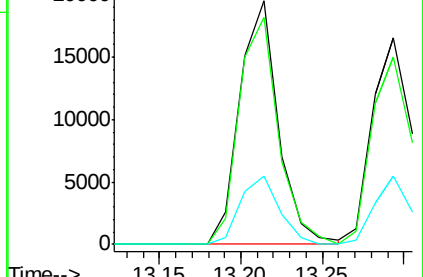
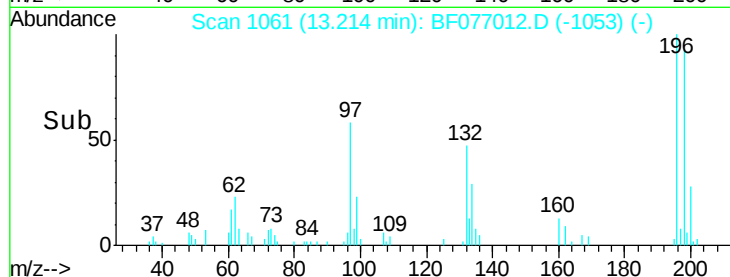


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

Time-->



#43

2,4,5-Trichlorophenol

Concen: 33.17 ng

RT: 13.29 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF077012.D

Acq: 22 Jan 2015 14:01

Tgt Ion:196 Resp: 30360

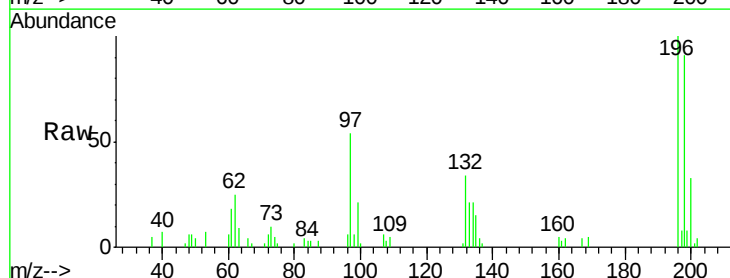
Ion Ratio Lower Upper

196 100

198 90.7 76.6 115.0

97 54.2 43.4 65.0

132 33.6 23.7 35.5



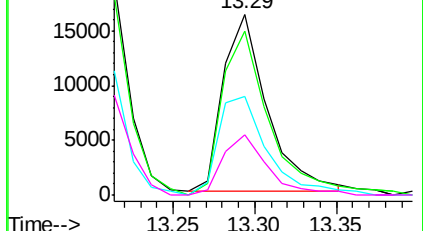
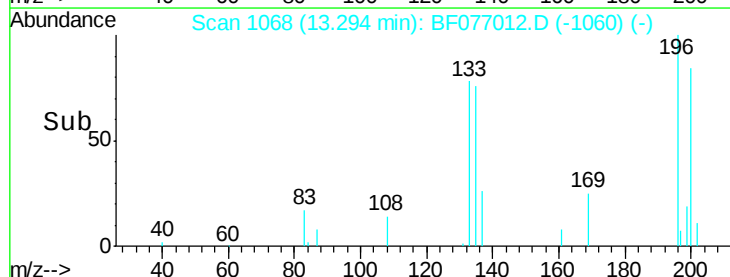
Abundance Ion 196.00 (195.70 to 196.70): E

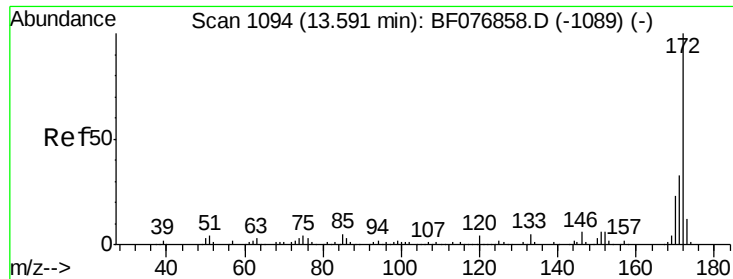
Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E

Time-->

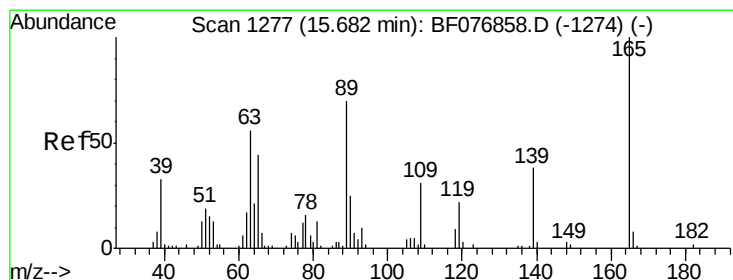
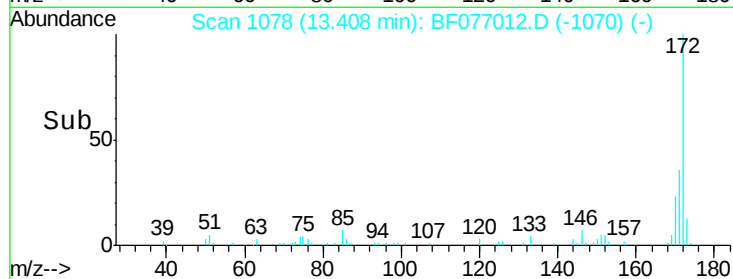
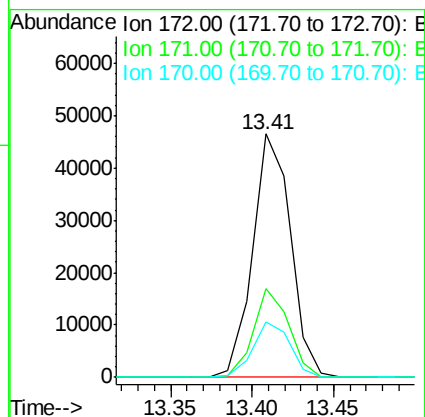
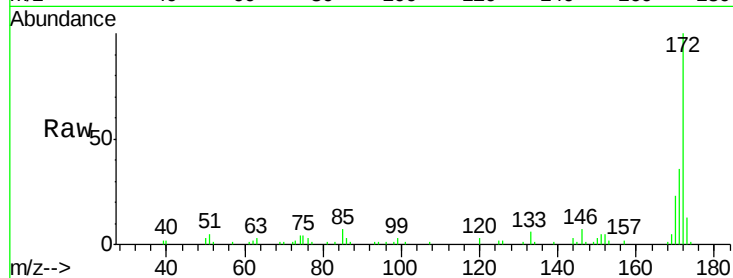




#44
 2-Fluorobiphenyl
 Concen: 22.81 ng
 RT: 13.41 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

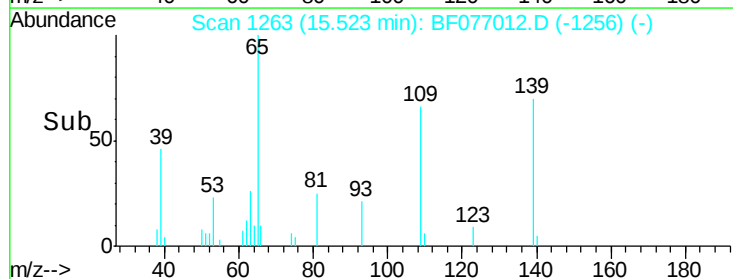
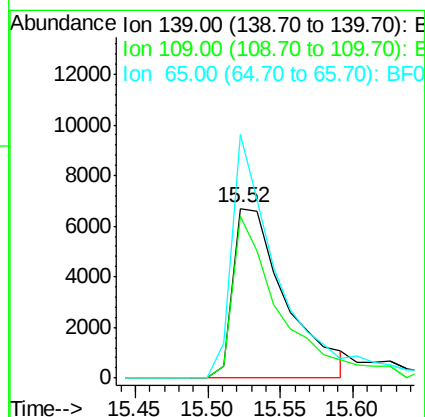
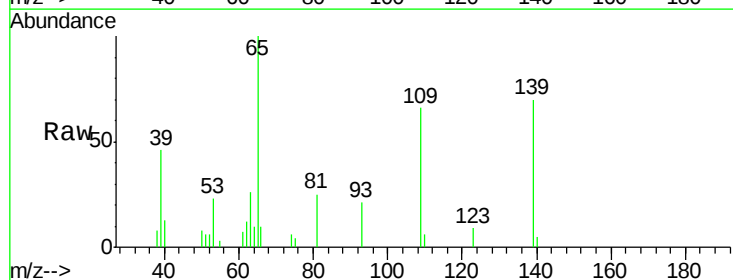
Instrument :
 BNA_F
 ClientSampleId :

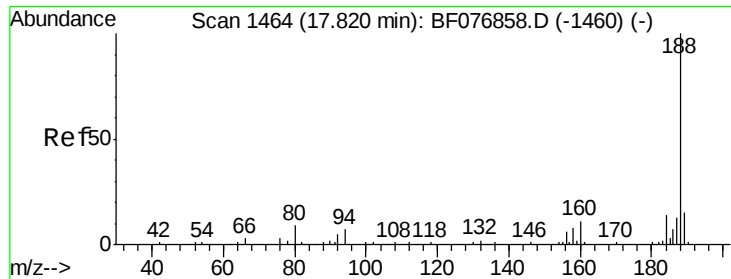
Tot Ion:172 Resp: 74668
 Ion Ratio Lower Upper
 172 100
 171 36.3 26.6 40.0
 170 23.0 18.0 27.0



#55
 4-Nitrophenol
 Concen: 30.57 ng
 RT: 15.52 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

Tgt Ion:139 Resp: 16929
 Ion Ratio Lower Upper
 139 100
 109 95.3 61.0 101.0
 65 143.4 96.6 136.6#

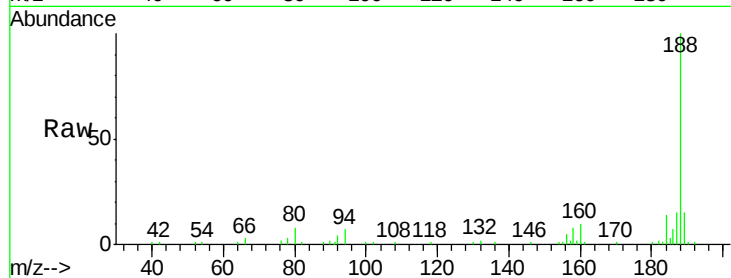




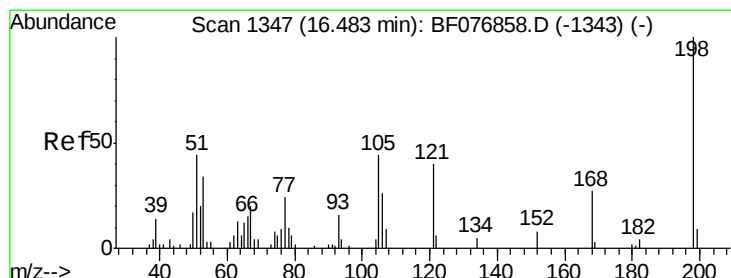
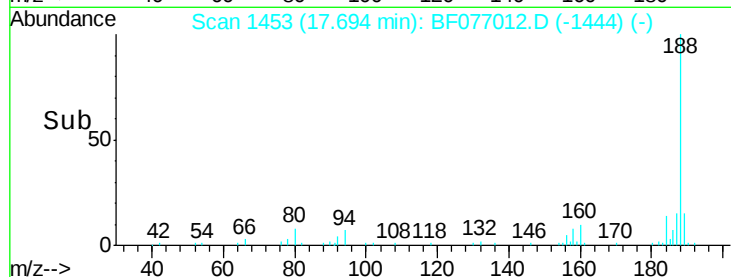
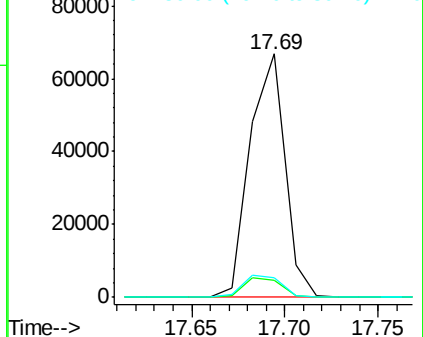
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.69 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 87194
Ion Ratio Lower Upper
188 100
94 7.0 6.0 9.0
80 7.9 6.9 10.3

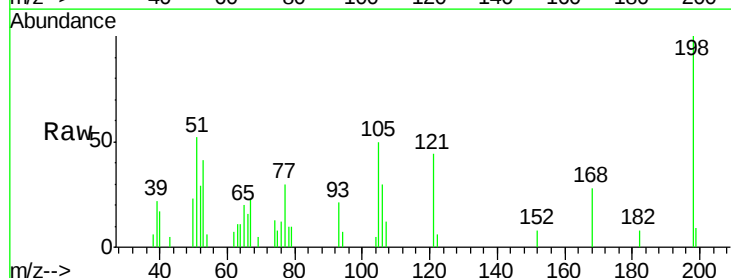


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

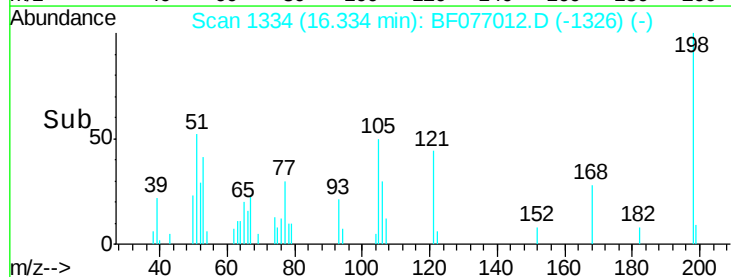
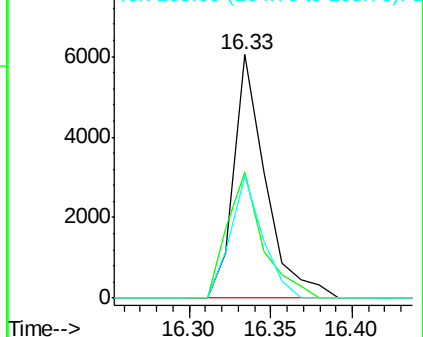


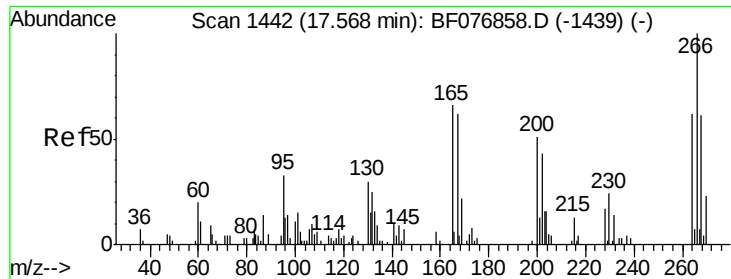
#64
4,6-Dinitro-2-methylphenol
Concen: 16.90 ng
RT: 16.33 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF077012.D
Acq: 22 Jan 2015 14:01

Tgt Ion:198 Resp: 8184
Ion Ratio Lower Upper
198 100
51 51.8 24.2 64.2
105 50.1 24.0 64.0



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

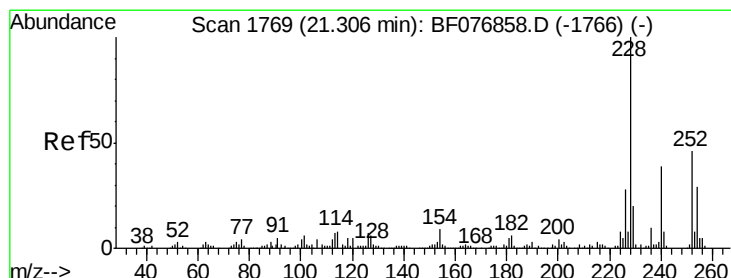
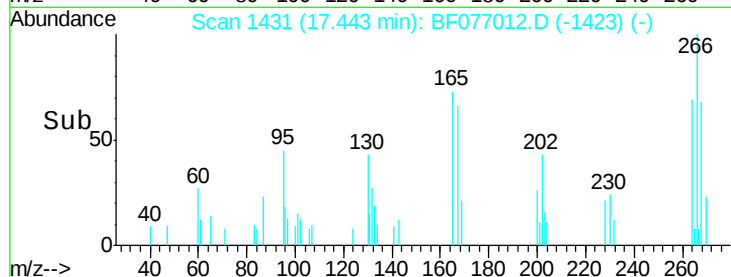
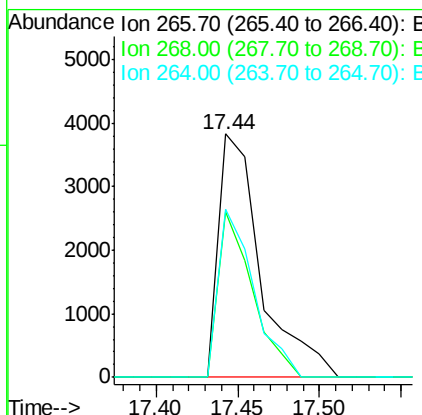
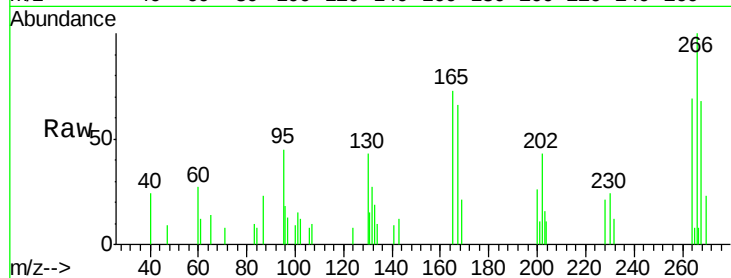




#69
 Pentachlorophenol
 Concen: 21.68 ng
 RT: 17.44 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

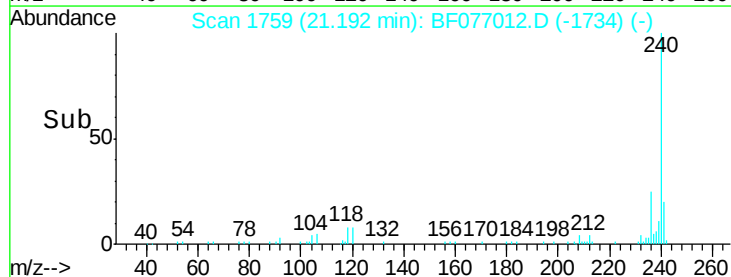
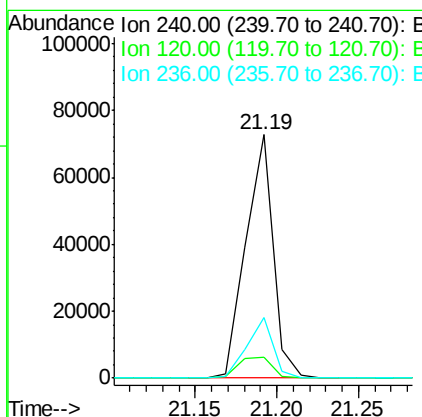
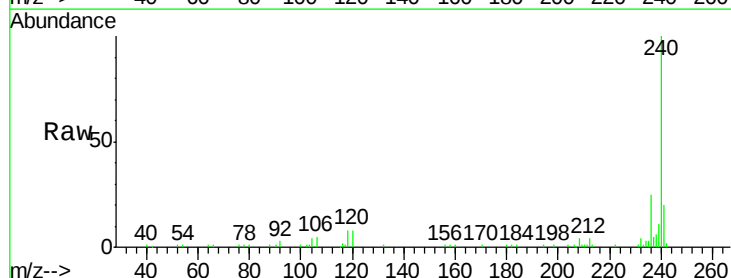
Instrument :
 BNA_F
 ClientSampleId :

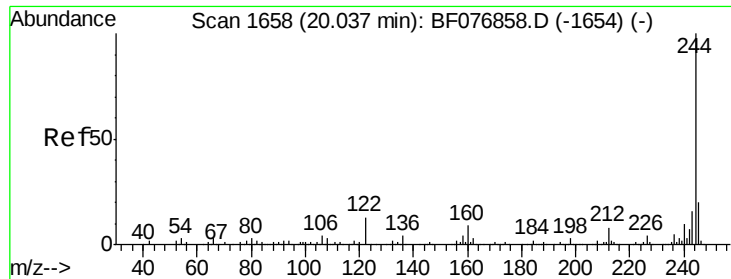
Tot Ion:266 Resp: 6900
 Ion Ratio Lower Upper
 266 100
 268 68.1 48.6 72.8
 264 69.1 49.5 74.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.19 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

Tgt Ion:240 Resp: 84216
 Ion Ratio Lower Upper
 240 100
 120 8.4 10.4 15.6#
 236 24.8 20.2 30.2

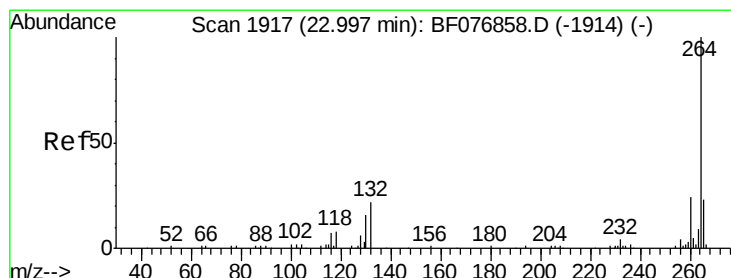
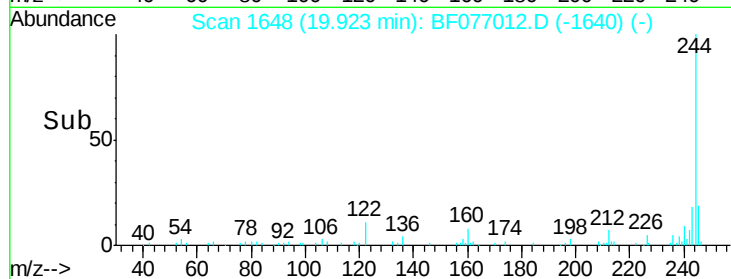
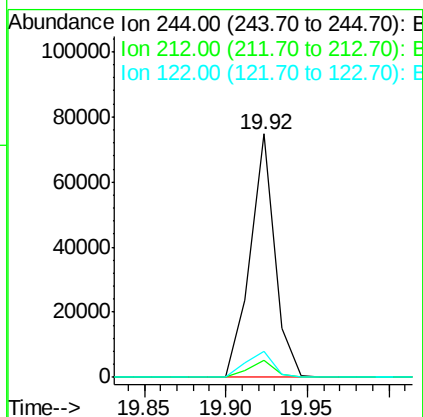
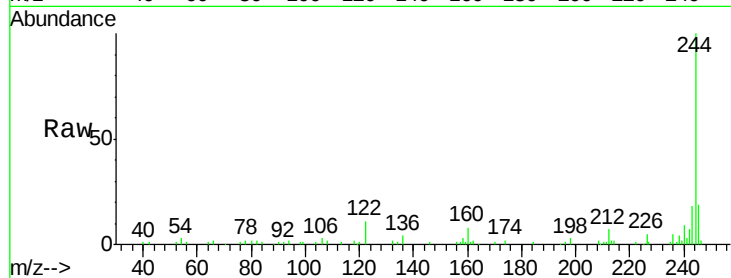




#78
 Terphenyl-d14
 Concen: 21.46 ng
 RT: 19.92 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 78513
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 10.9 10.1 15.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.87 min Scan# 1906
 Delta R.T. 0.01 min
 Lab File: BF077012.D
 Acq: 22 Jan 2015 14:01

Tgt Ion:264 Resp: 76496
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.4
 265 20.5 18.1 27.1

