

Data Path : Z:\HPCHEM1\BNA F\Data\BF012115\
 Data File : BF077001.D
 Acq On : 21 Jan 2015 18:07
 Operator : TP/IZ
 Sample : G1100-12DL 5X
 Misc : W/ACID
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:24:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 22 00:29:07 2015
 Response via : Initial Calibration

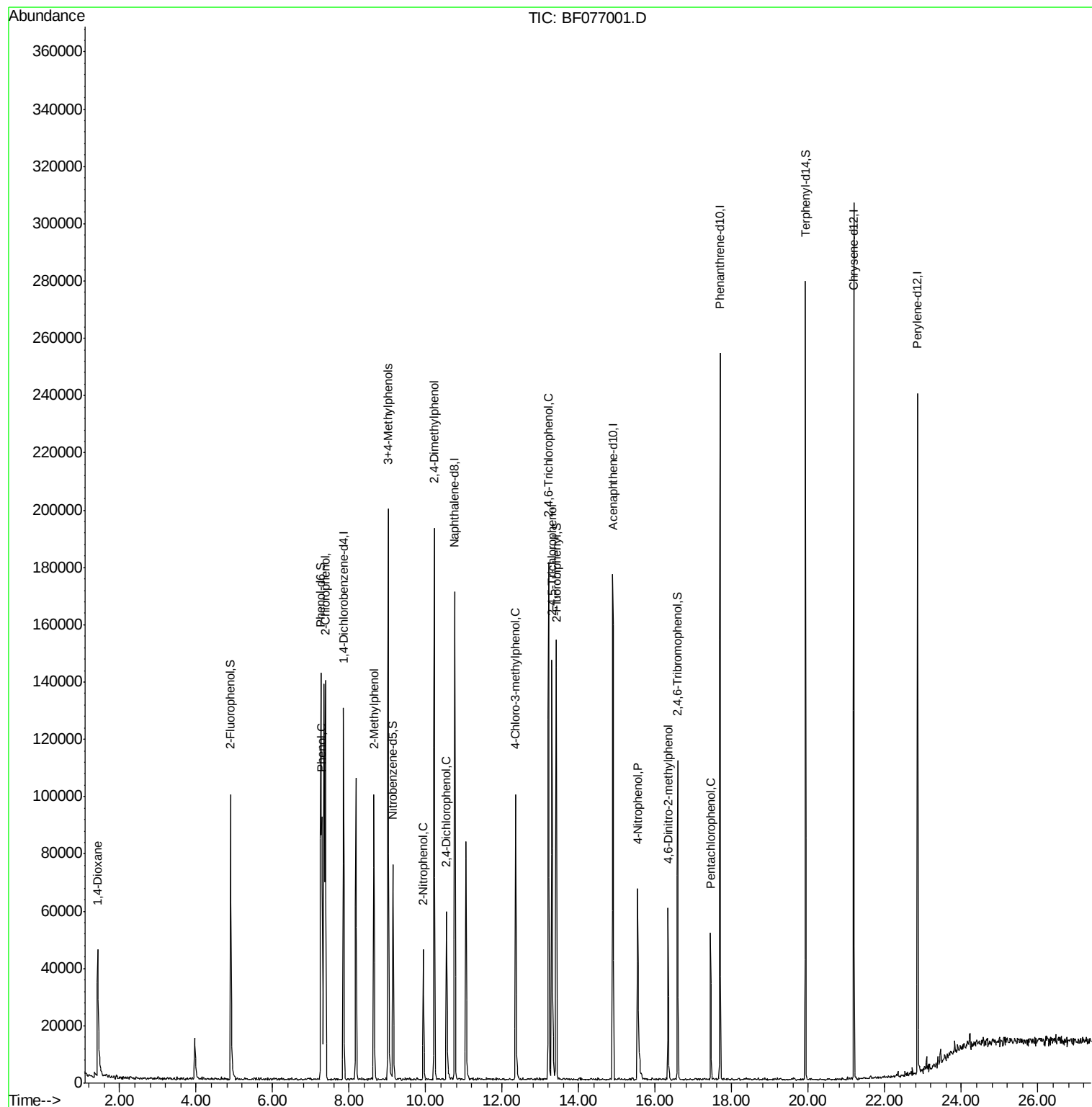
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	34091	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	148143	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	75410	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	125620	20.00	ng	0.00
75) Chrysene-d12	21.19	240	132168	20.00	ng	-0.01
86) Perylene-d12	22.85	264	115124	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	56109	27.06	ng	0.00
7) Phenol-d6	7.26	99	73974	28.28	ng	-0.02
23) Nitrobenzene-d5	9.14	82	44914	16.80	ng	-0.01
41) 2,4,6-Tribromophenol	16.59	330	17415	28.45	ng	-0.01
44) 2-Fluorobiphenyl	13.42	172	92726	18.71	ng	0.00
78) Terphenyl-d14	19.92	244	102981	17.94	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.43	88	1866	2.10	ng	# 12
8) 2-Chlorophenol	7.38	128	63159	26.42	ng	99
10) Phenol	7.28	94	55893	20.12	ng	88
17) 2-Methylphenol	8.64	107	31204	15.97	ng	# 89
20) 3+4-Methylphenols	9.02	107	86066	33.27	ng	94
26) 2-Nitrophenol	9.93	139	14064	11.48	ng	# 89
27) 2,4-Dimethylphenol	10.22	122	51597	24.49	ng	96
29) 2,4-Dichlorophenol	10.54	162	25310	12.89	ng	94
36) 4-Chloro-3-methylphenol	12.35	107	38790	17.26	ng	97
42) 2,4,6-Trichlorophenol	13.21	196	40851	30.07	ng	93
43) 2,4,5-Trichlorophenol	13.29	196	38173	27.55	ng	98
55) 4-Nitrophenol	15.53	139	23178	27.65	ng	93
64) 4,6-Dinitro-2-methylphenol	16.33	198	9945	14.78	ng	# 65
69) Pentachlorophenol	17.44	266	8641	19.75	ng	98

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

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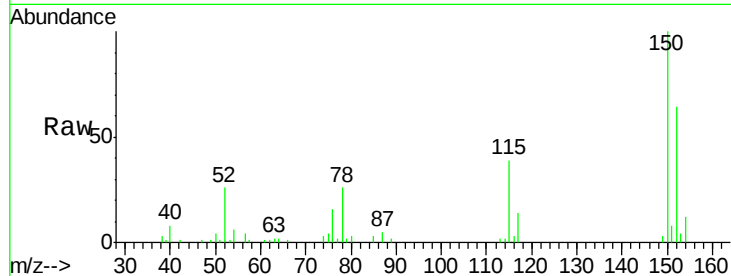


#1

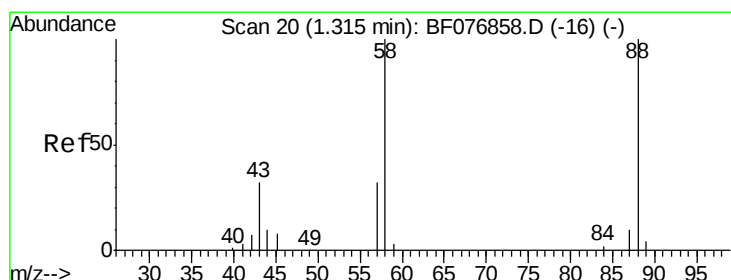
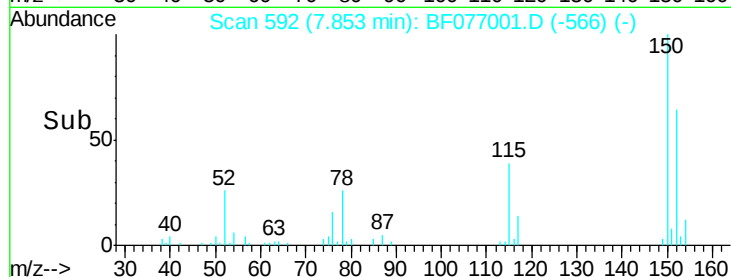
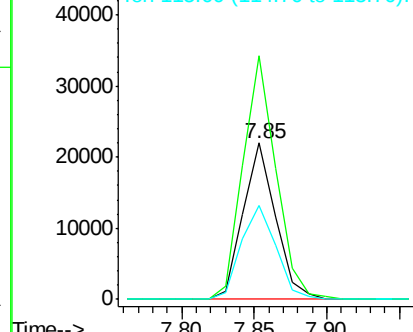
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34091
Ion Ratio Lower Upper
152 100
150 155.9 121.7 182.5
115 60.4 47.0 70.6



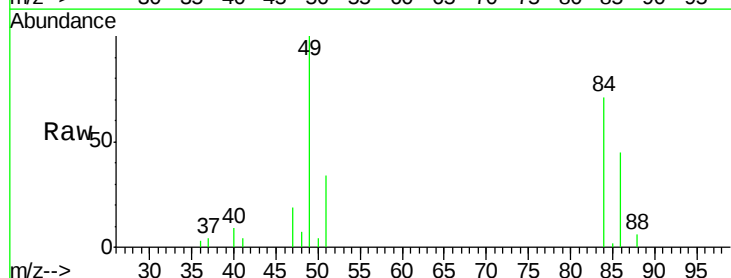
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



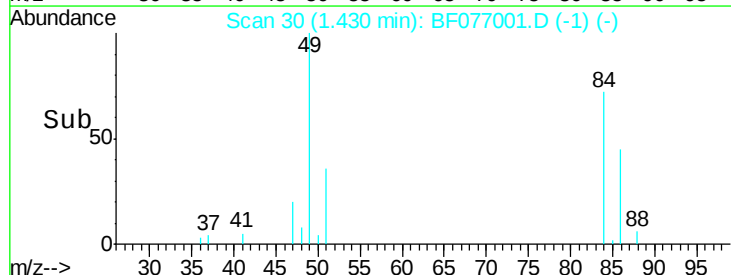
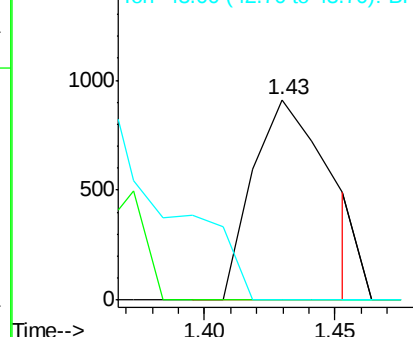
#2

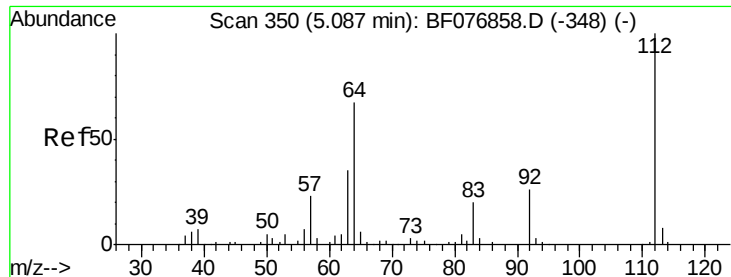
1,4-Dioxane
Concen: 2.10 ng
RT: 1.43 min Scan# 30
Delta R.T. 0.23 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Tgt Ion: 88 Resp: 1866
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: 27.06 ng

RT: 4.90 min Scan# 334

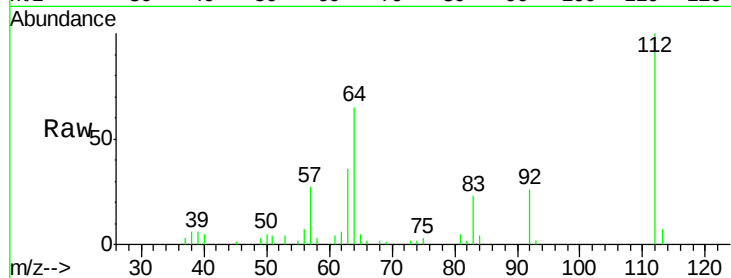
Delta R.T. 0.00 min

Lab File: BF077001.D

Acq: 21 Jan 2015 18:07

Instrument :
BNA_F
ClientSampleId :

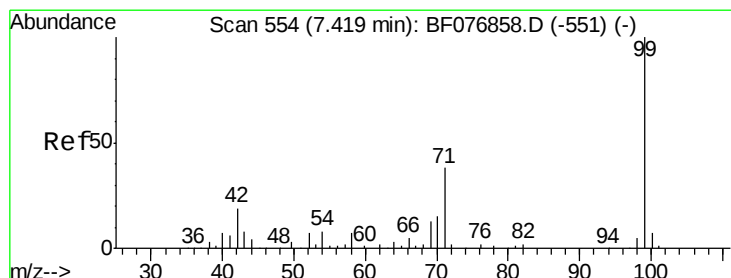
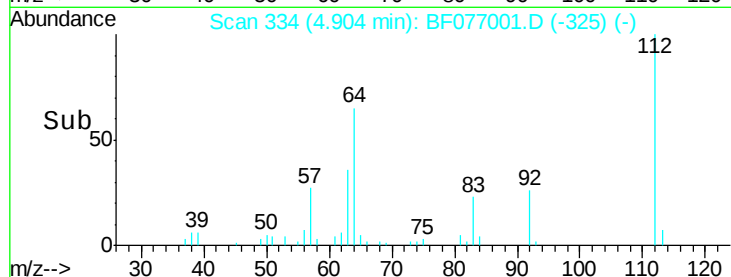
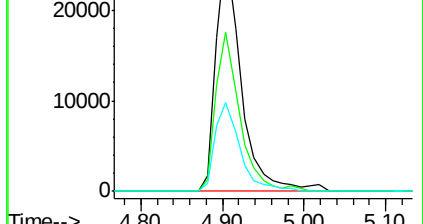
Tot Ion:	112	Resp:	56109
Ion	Ratio	Lower	Upper
112	100		
64	65.4	54.2	81.4
63	36.3	28.4	42.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 28.28 ng

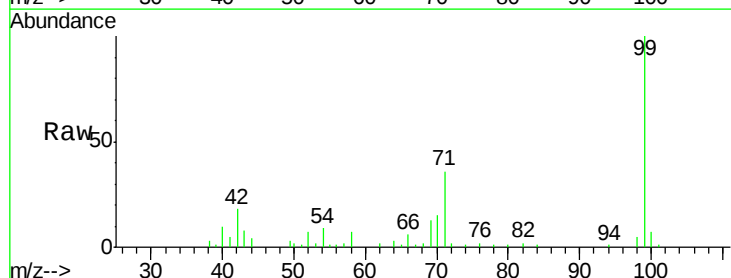
RT: 7.26 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF077001.D

Acq: 21 Jan 2015 18:07

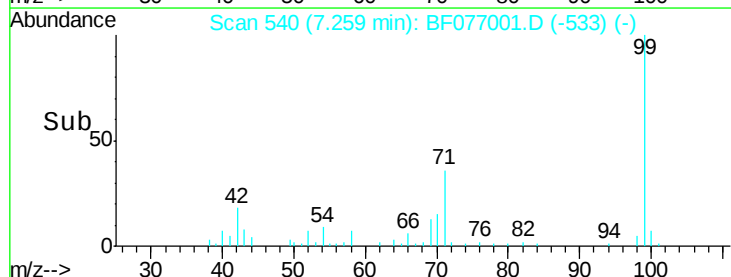
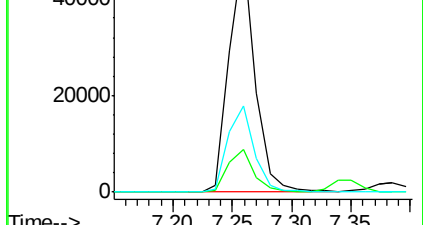
Tgt Ion:	99	Resp:	73974
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.4
71	35.5	30.5	45.7

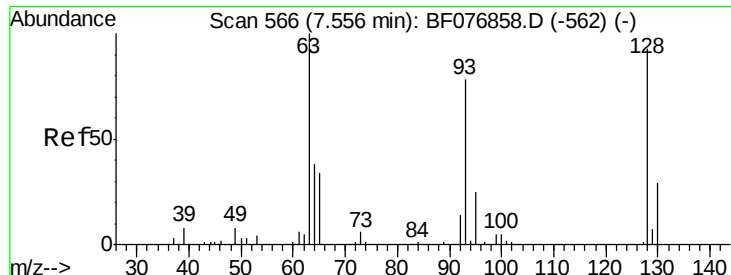


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 26.42 ng

RT: 7.38 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF077001.D

Acq: 21 Jan 2015 18:07

Instrument :

BNA_F

ClientSampleId :

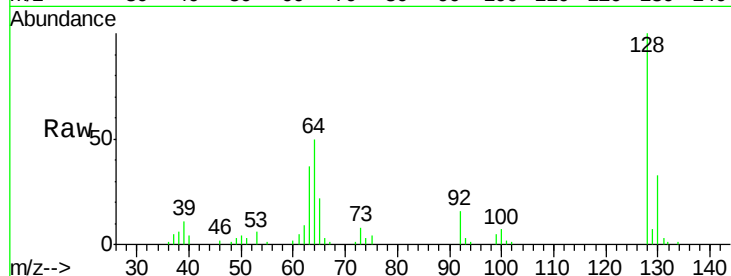
Tot Ion:128 Resp: 63159

Ion Ratio Lower Upper

128 100

130 32.7 11.0 51.0

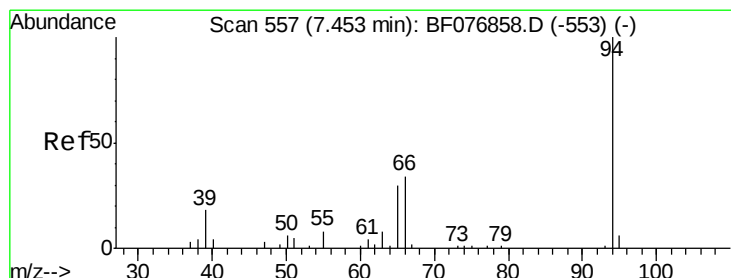
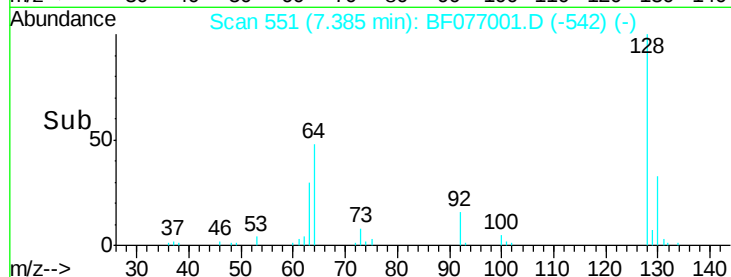
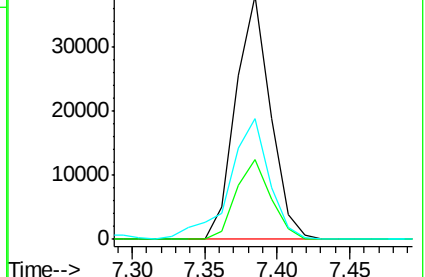
64 49.5 29.3 69.3



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: 20.12 ng

RT: 7.28 min Scan# 542

Delta R.T. -0.03 min

Lab File: BF077001.D

Acq: 21 Jan 2015 18:07

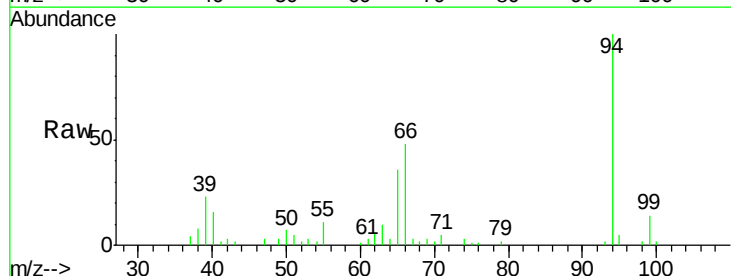
Tgt Ion: 94 Resp: 55893

Ion Ratio Lower Upper

94 100

65 36.5 11.3 51.3

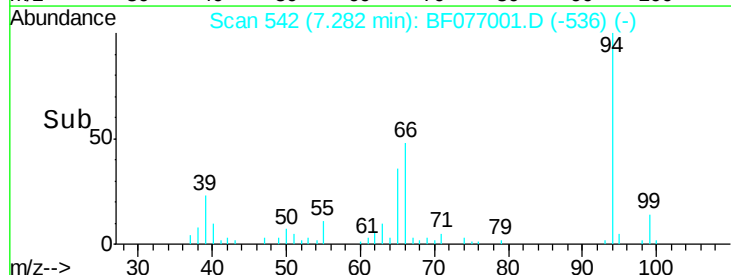
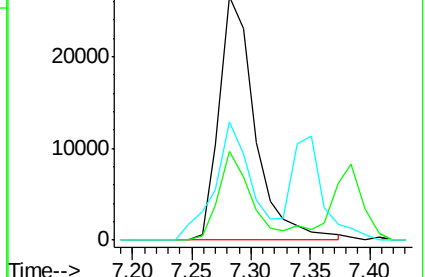
66 48.3 19.5 59.5

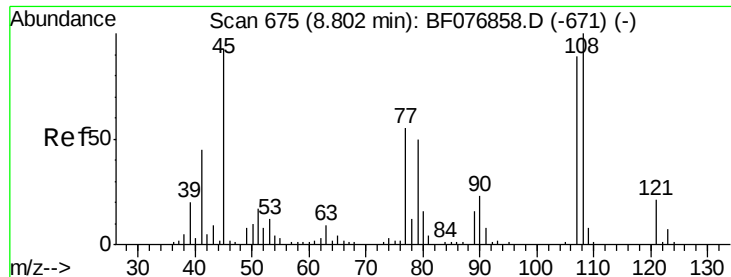


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

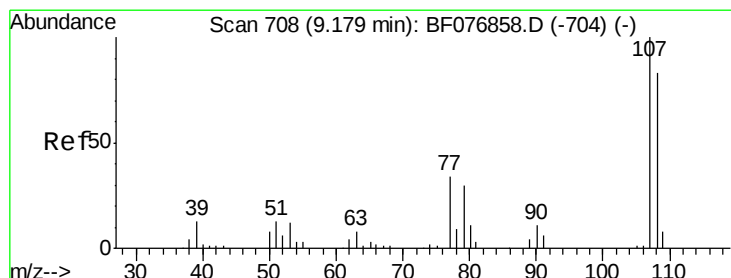
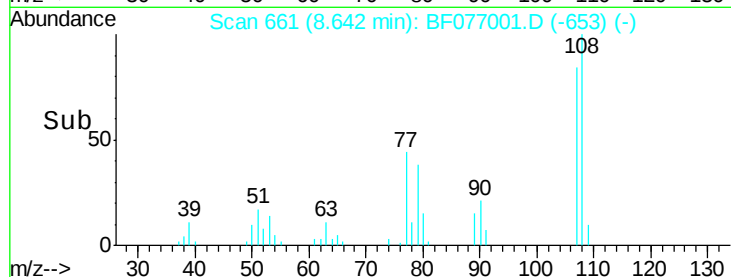
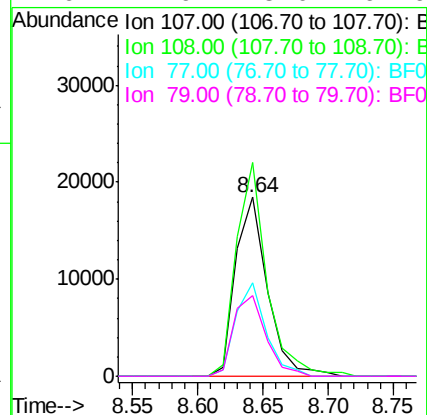
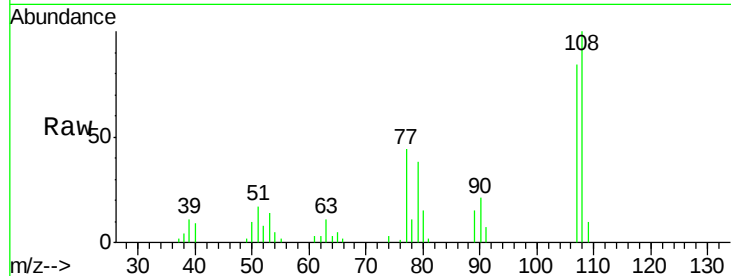




#17
2-Methylphenol
Concen: 15.97 ng
RT: 8.64 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

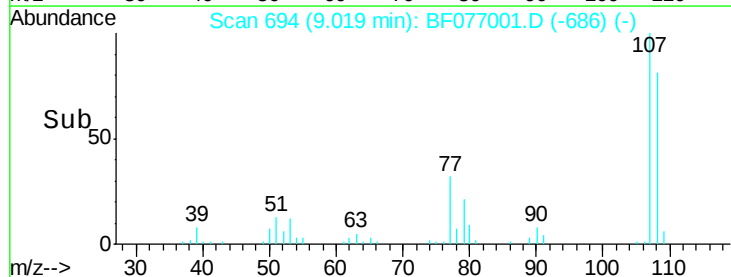
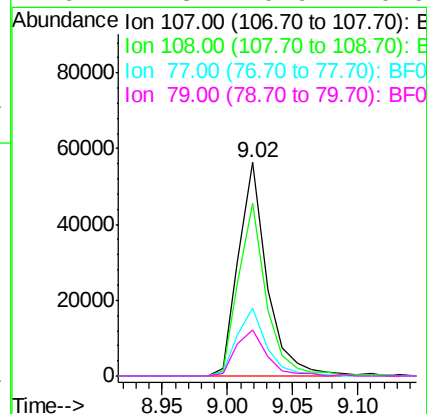
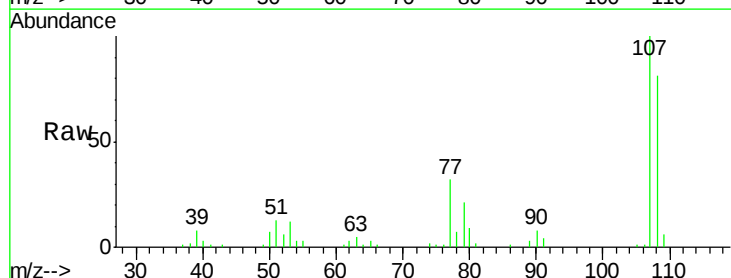
Instrument :
BNA_F
ClientSampleId :

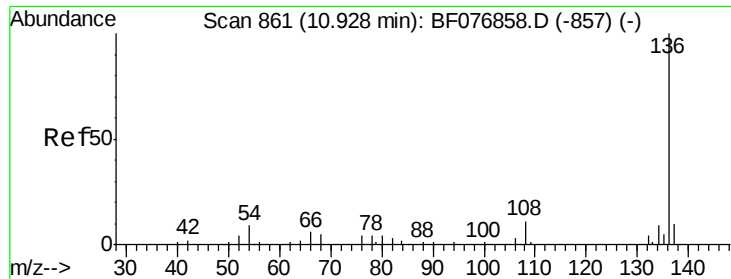
Tot Ion:107 Resp: 31204
Ion Ratio Lower Upper
107 100
108 119.6 89.7 134.5
77 52.4 50.1 75.1
79 44.9 45.0 67.6#



#20
3+4-Methylphenols
Concen: 33.27 ng
RT: 9.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Tgt Ion:107 Resp: 86066
Ion Ratio Lower Upper
107 100
108 80.8 63.5 103.5
77 31.6 14.0 54.0
79 21.3 9.9 49.9

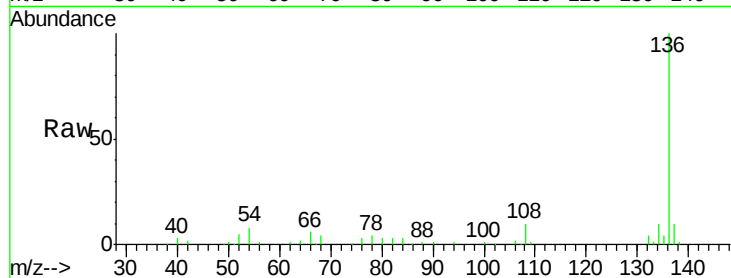




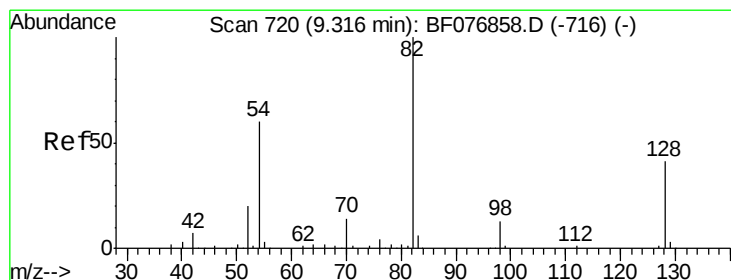
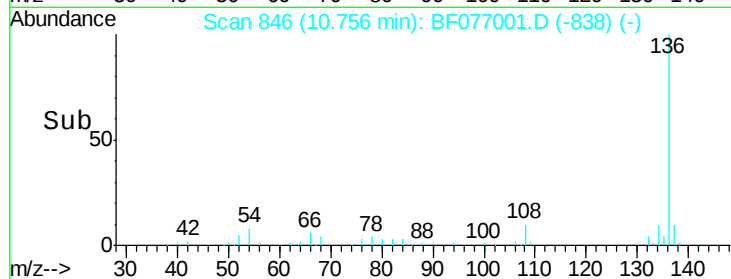
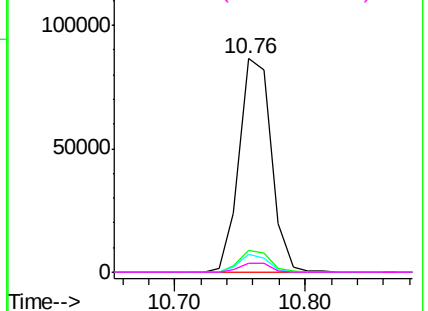
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	148143
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.1	12.1
54	8.4	7.0	10.4
68	4.4	3.7	5.5

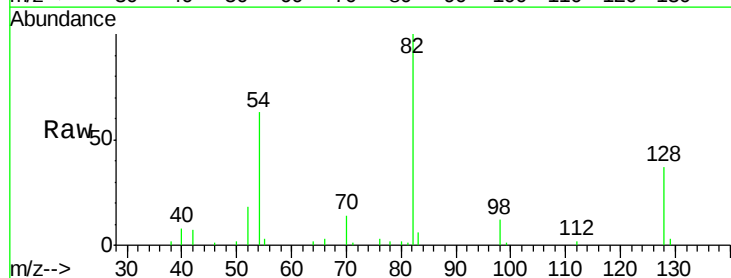


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

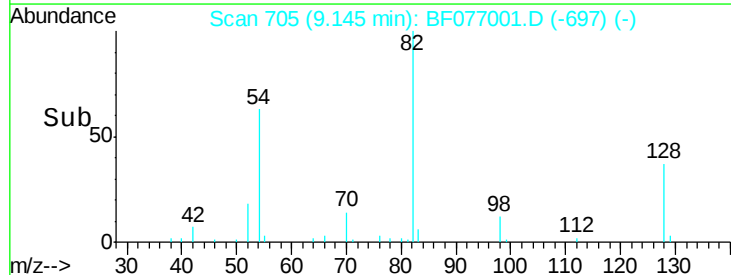
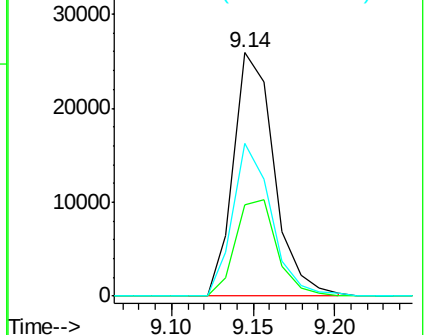


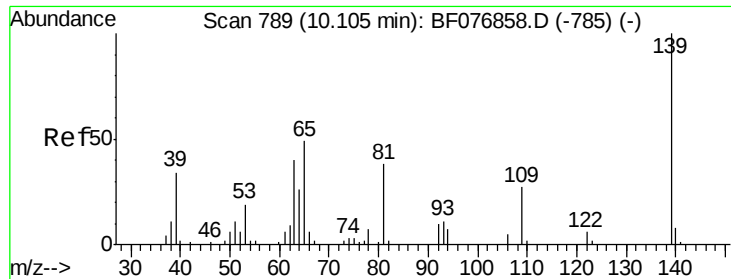
#23
Nitrobenzene-d5
Concen: 16.80 ng
RT: 9.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Tgt Ion:	82	Resp:	44914
Ion	Ratio	Lower	Upper
82	100		
128	37.4	33.1	49.7
54	62.8	48.3	72.5



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

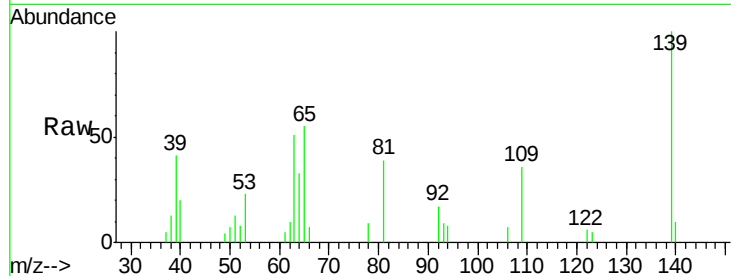




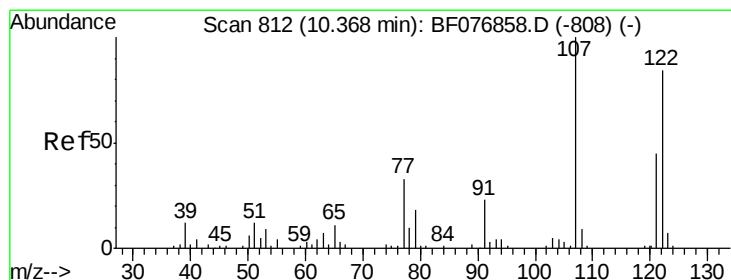
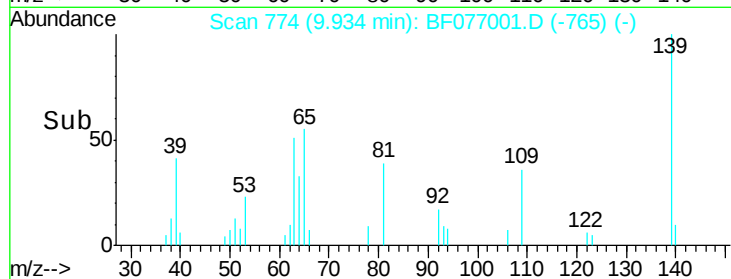
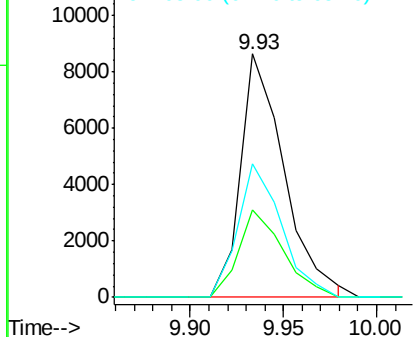
#26
 2-Nitrophenol
 Concen: 11.48 ng
 RT: 9.93 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	35.9	21.3	31.9
65	54.6	39.4	59.0

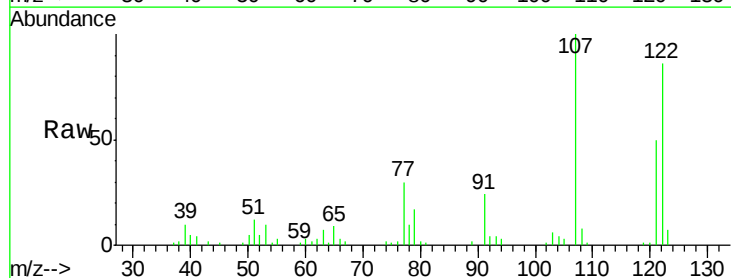


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): E

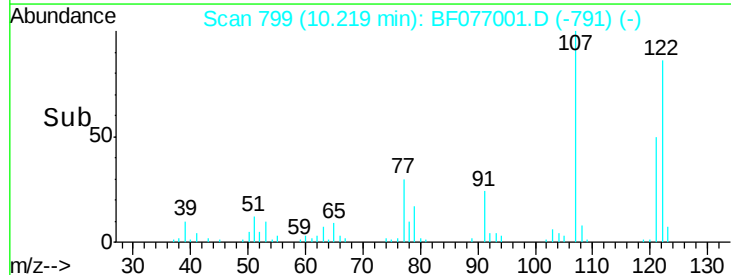
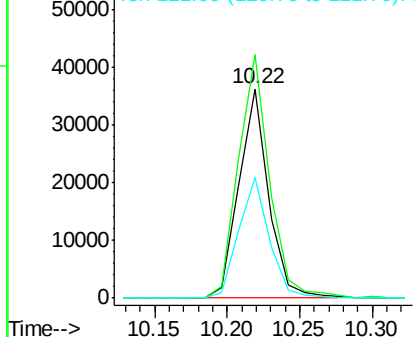


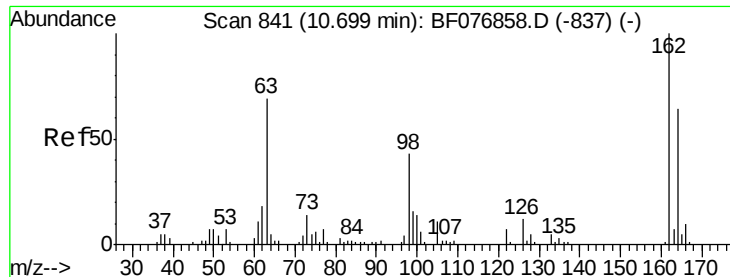
#27
 2,4-Dimethylphenol
 Concen: 24.49 ng
 RT: 10.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.2	95.2	142.8
121	57.9	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

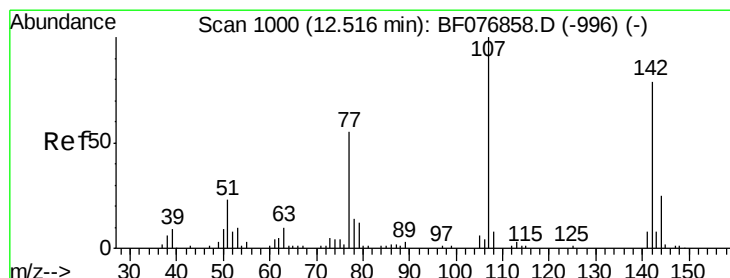
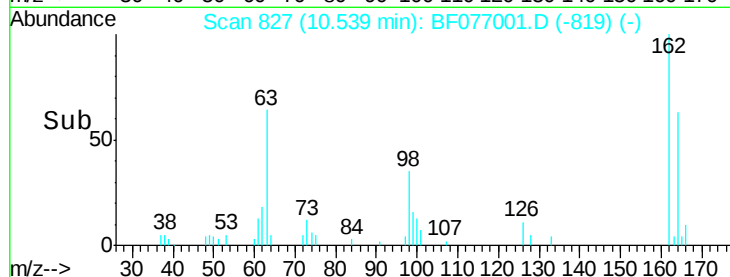
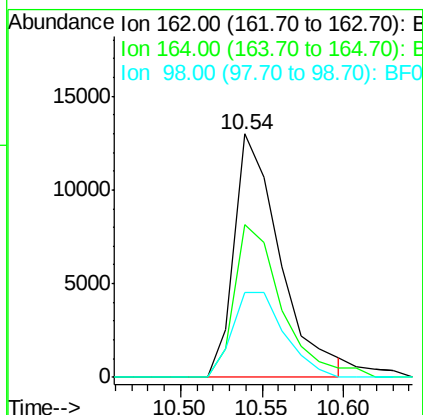
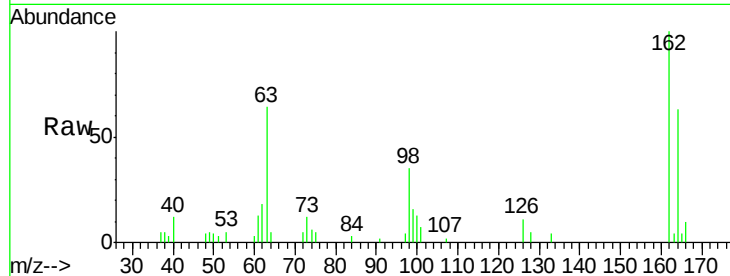




#29
2,4-Dichlorophenol
Concen: 12.89 ng
RT: 10.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

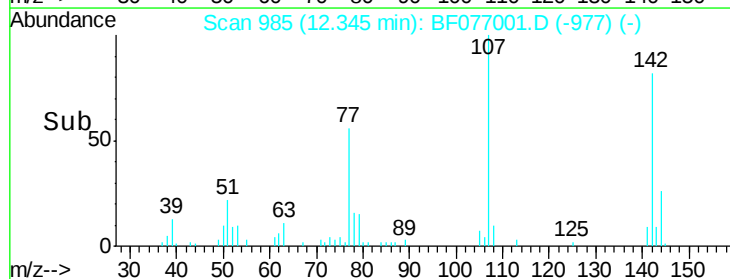
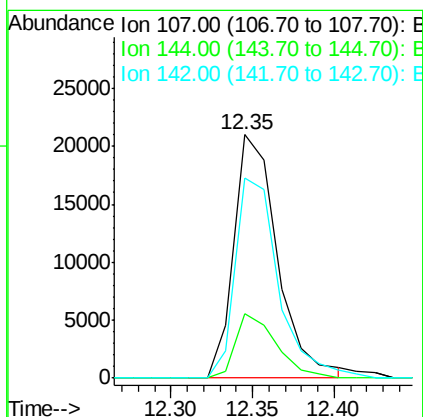
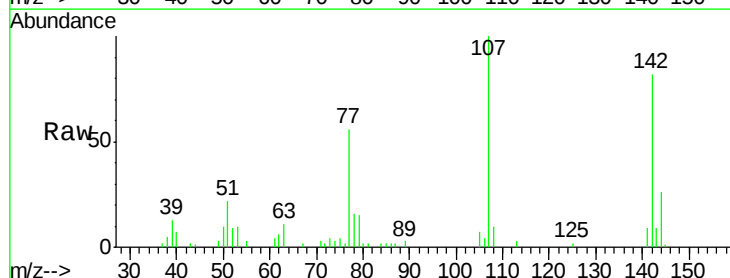
Instrument :
BNA_F
ClientSampleId :

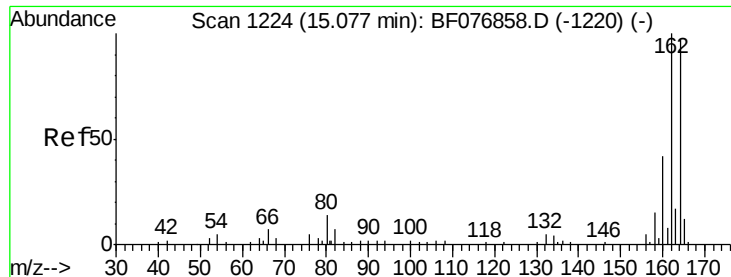
Tot Ion:162 Resp: 25310
Ion Ratio Lower Upper
162 100
164 62.7 43.8 83.8
98 35.0 22.5 62.5



#36
4-Chloro-3-methylphenol
Concen: 17.26 ng
RT: 12.35 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF077001.D
Acq: 21 Jan 2015 18:07

Tgt Ion:107 Resp: 38790
Ion Ratio Lower Upper
107 100
144 26.4 20.0 30.0
142 82.0 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: BF077001.D

Acq: 21 Jan 2015 18:07

Instrument :

BNA_F

ClientSampled :

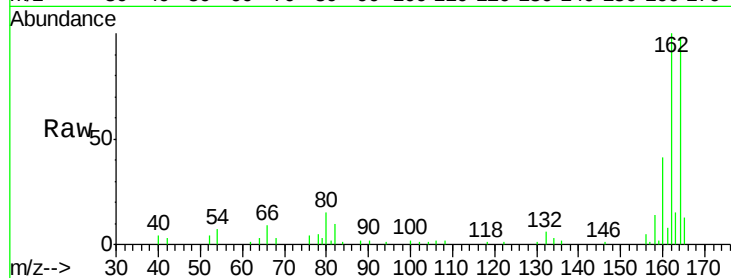
Tot Ion:164 Resp: 75410

Ion Ratio Lower Upper

164 100

162 102.0 82.4 123.6

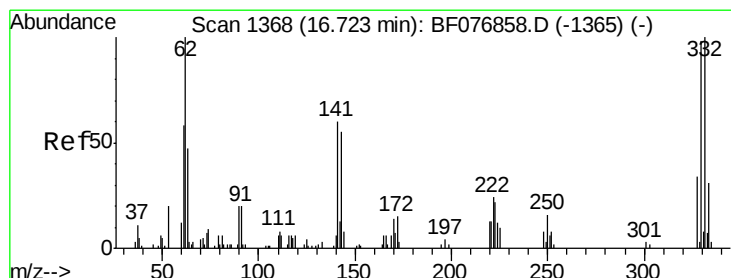
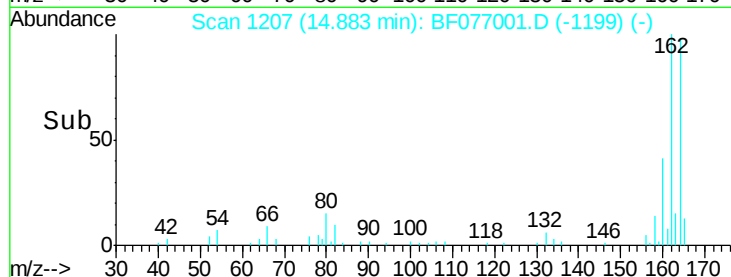
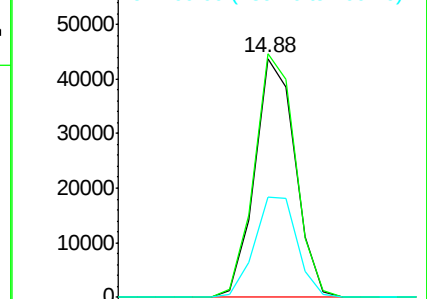
160 42.1 34.8 52.2



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: 28.45 ng

RT: 16.59 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF077001.D

Acq: 21 Jan 2015 18:07

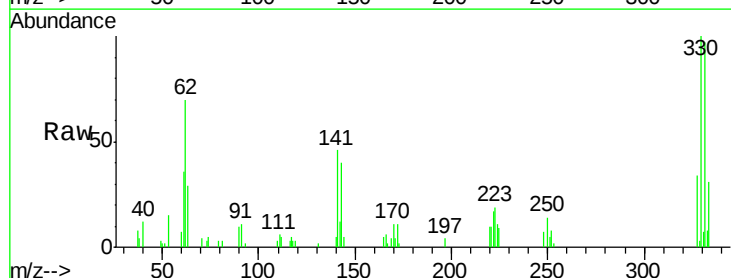
Tgt Ion:330 Resp: 17415

Ion Ratio Lower Upper

330 100

332 98.5 77.8 116.6

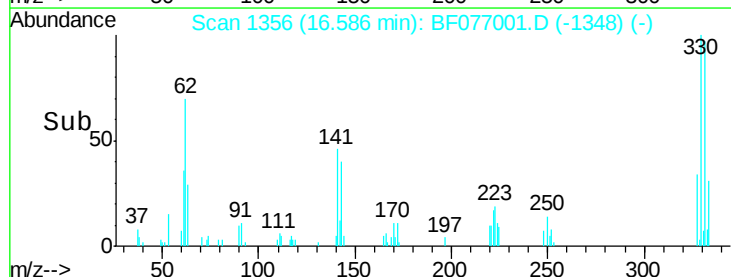
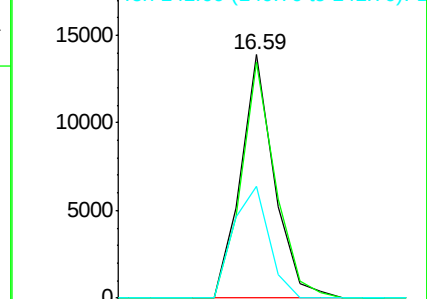
141 48.7 38.5 57.7

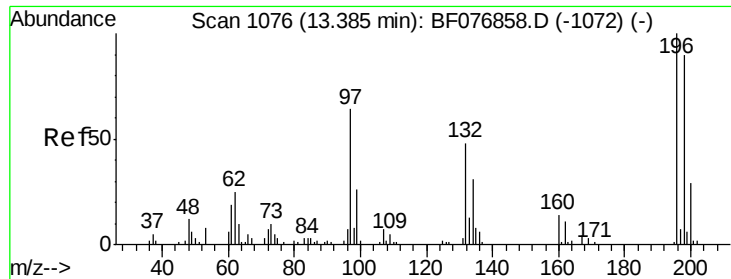


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

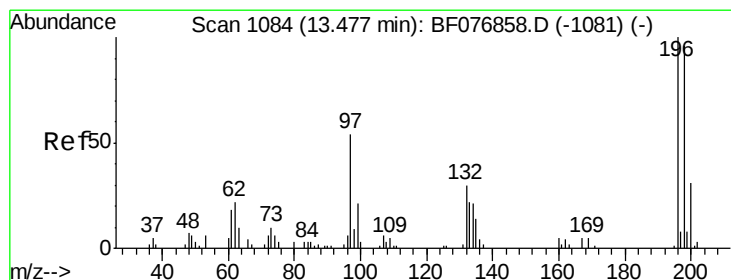
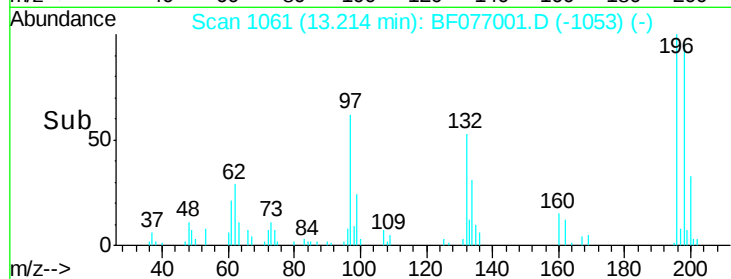
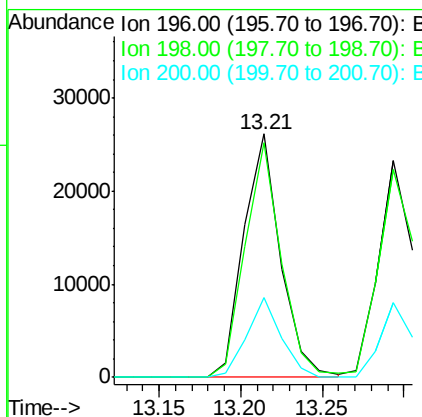
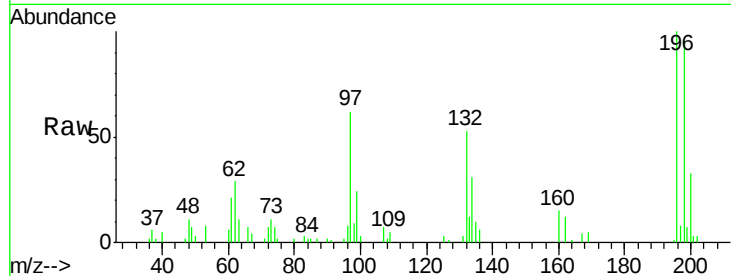




#42
 2,4,6-Trichlorophenol
 Concen: 30.07 ng
 RT: 13.21 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

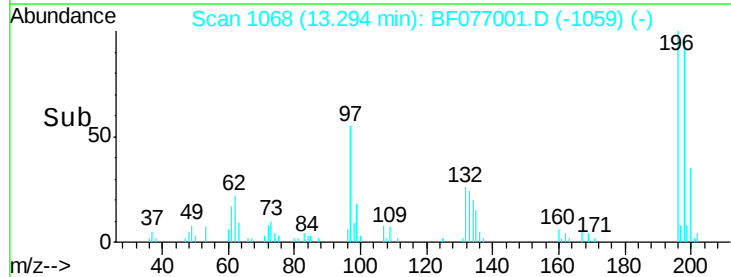
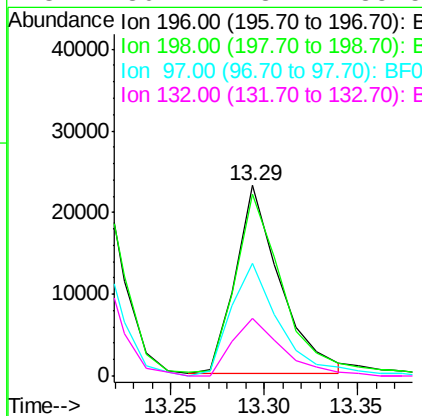
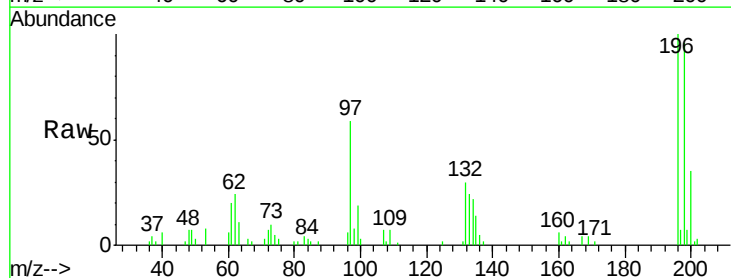
Instrument :
 BNA_F
 ClientSampled :

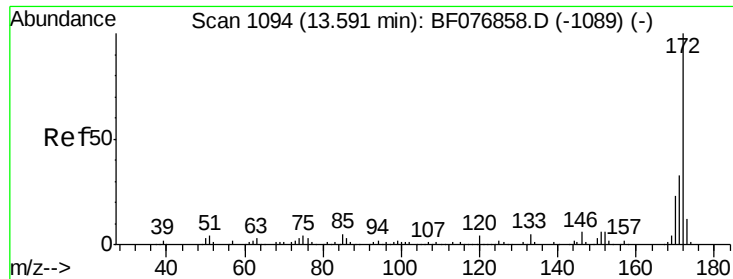
Tot Ion:196 Resp: 40851
 Ion Ratio Lower Upper
 196 100
 198 96.2 72.0 108.0
 200 32.9 23.4 35.2



#43
 2,4,5-Trichlorophenol
 Concen: 27.55 ng
 RT: 13.29 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion:196 Resp: 38173
 Ion Ratio Lower Upper
 196 100
 198 95.7 76.6 115.0
 97 59.0 43.4 65.0
 132 30.1 23.7 35.5

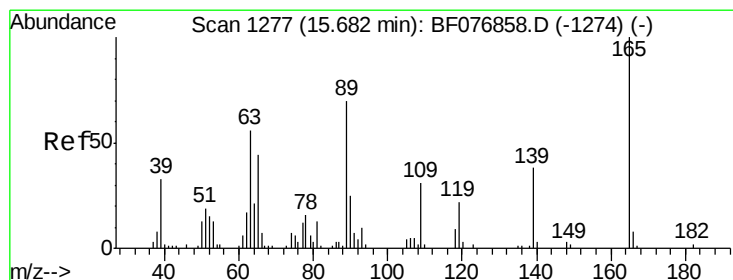
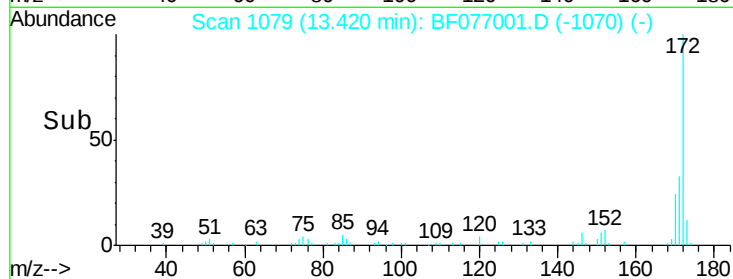
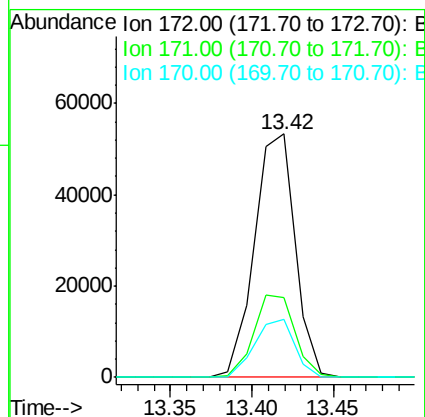
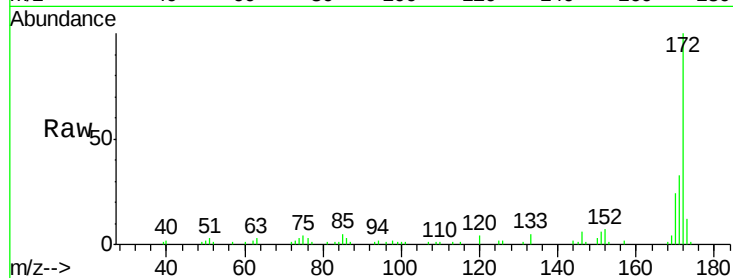




#44
 2-Fluorobiphenyl
 Concen: 18.71 ng
 RT: 13.42 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

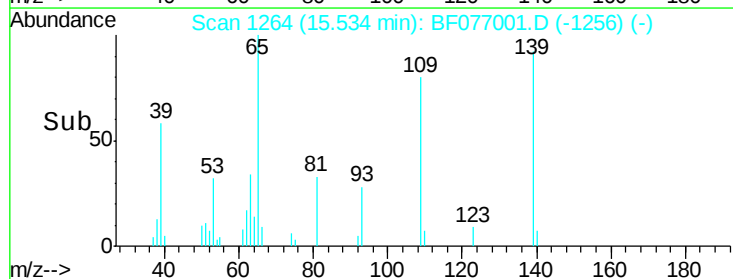
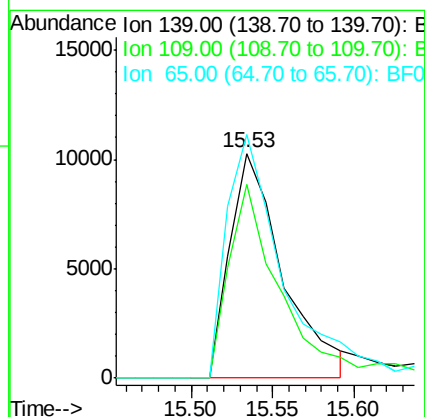
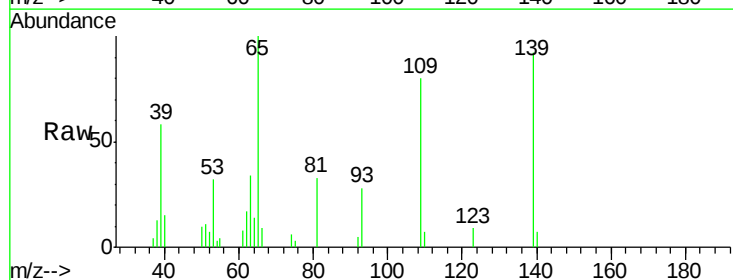
Instrument :
 BNA_F
 ClientSampleId :

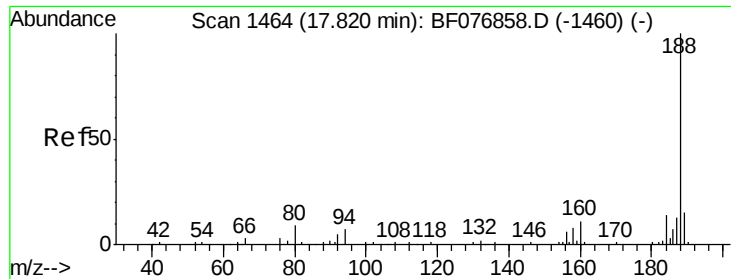
Tot Ion:172 Resp: 92726
 Ion Ratio Lower Upper
 172 100
 171 32.9 26.6 40.0
 170 23.8 18.0 27.0



#55
 4-Nitrophenol
 Concen: 27.65 ng
 RT: 15.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion:139 Resp: 23178
 Ion Ratio Lower Upper
 139 100
 109 86.3 61.0 101.0
 65 108.5 96.6 136.6

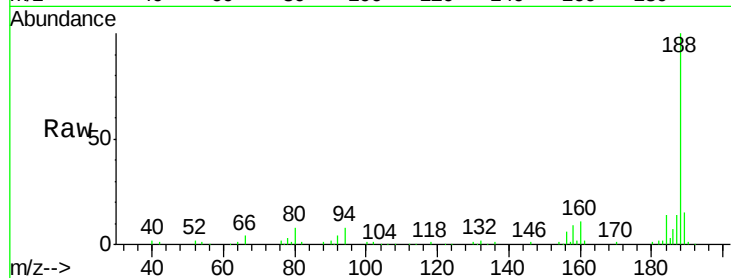




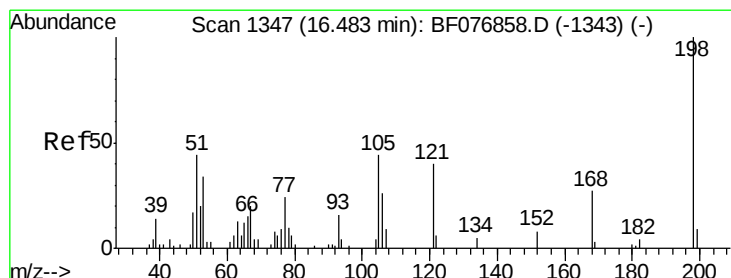
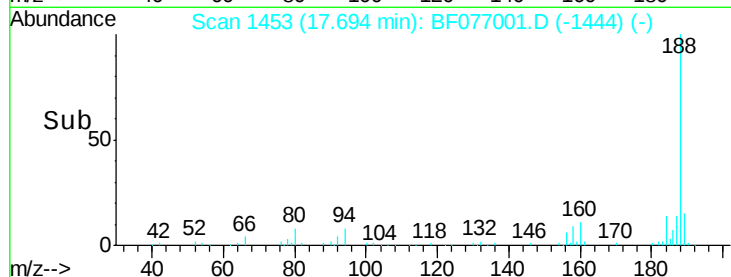
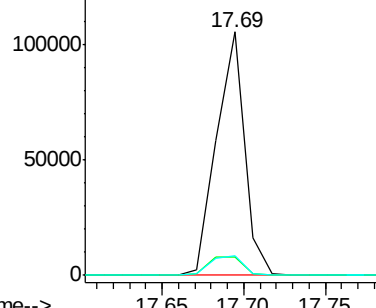
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.69 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 125620
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.0 9.0
 80 7.9 6.9 10.3

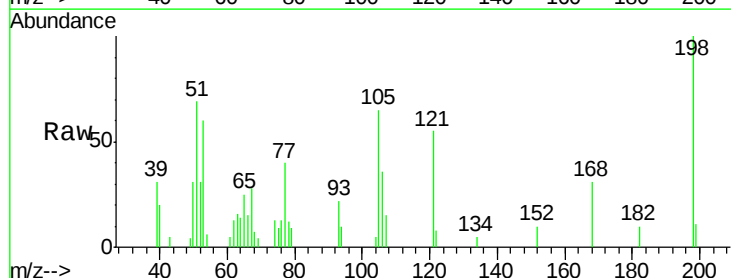


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

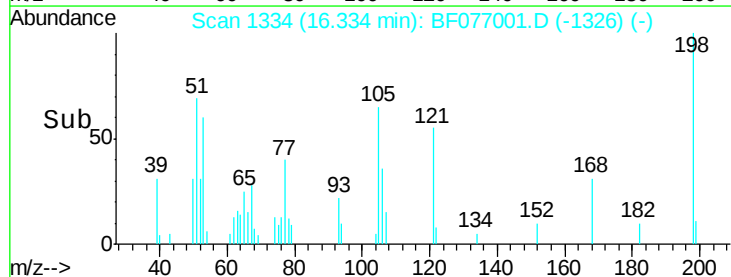
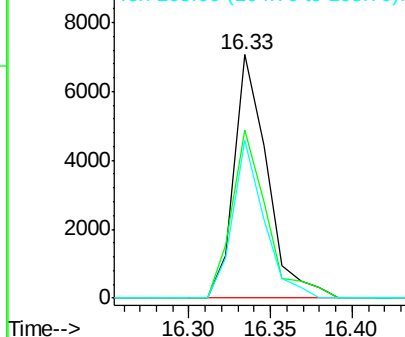


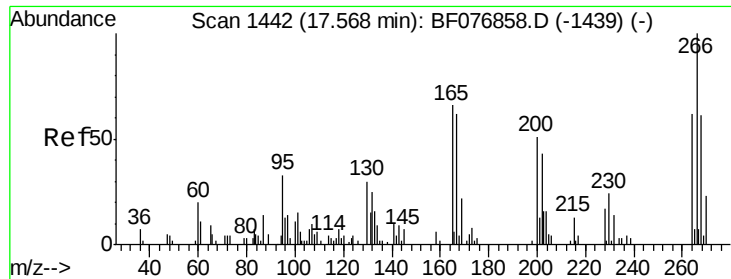
#64
 4,6-Dinitro-2-methylphenol
 Concen: 14.78 ng
 RT: 16.33 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion:198 Resp: 9945
 Ion Ratio Lower Upper
 198 100
 51 69.1 24.2 64.2#
 105 65.1 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

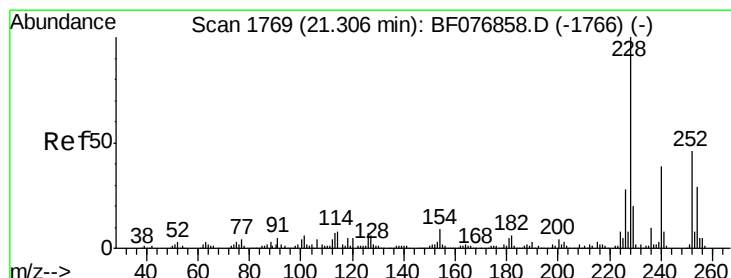
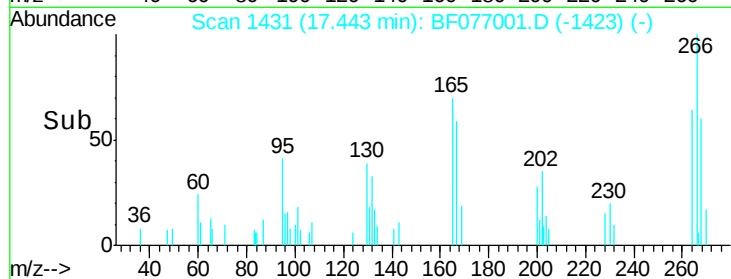
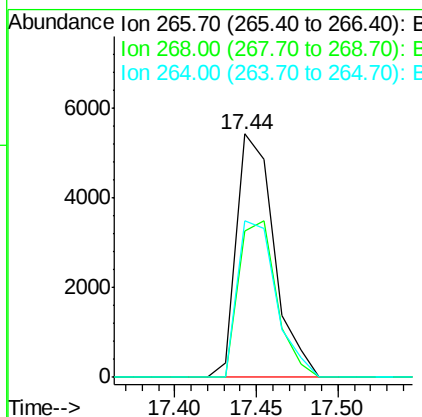
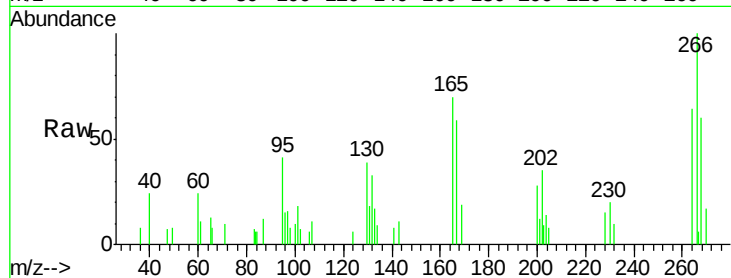




#69
 Pentachlorophenol
 Concen: 19.75 ng
 RT: 17.44 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

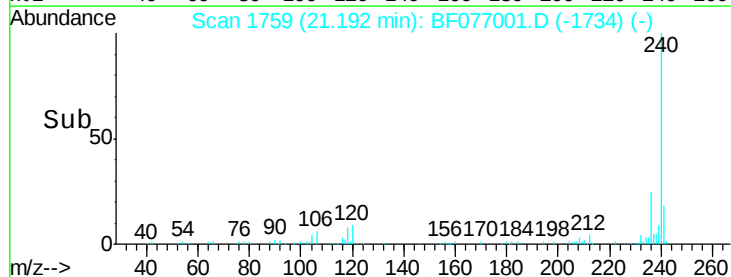
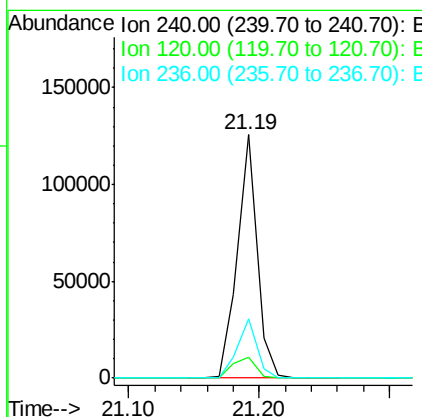
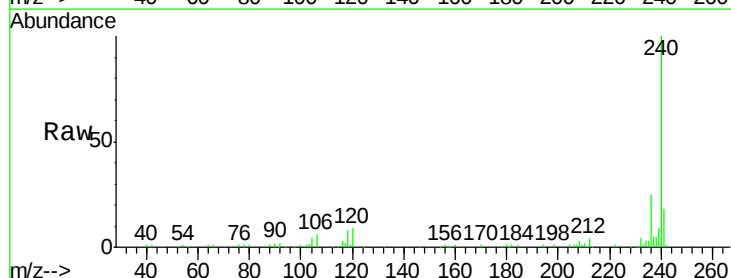
Instrument :
 BNA_F
 ClientSampleId :

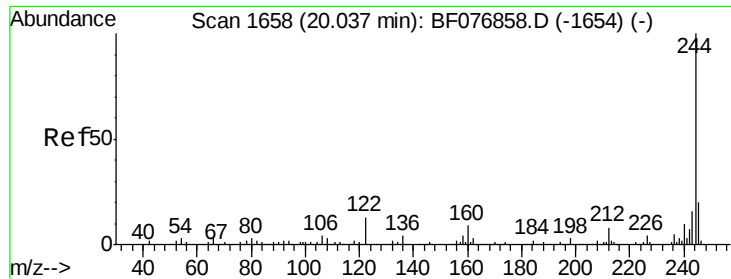
Tot Ion:266 Resp: 8641
 Ion Ratio Lower Upper
 266 100
 268 60.1 48.6 72.8
 264 64.5 49.5 74.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.19 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion:240 Resp: 132168
 Ion Ratio Lower Upper
 240 100
 120 8.5 10.4 15.6#
 236 24.6 20.2 30.2

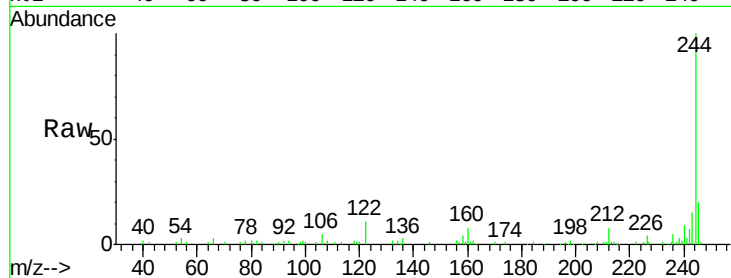




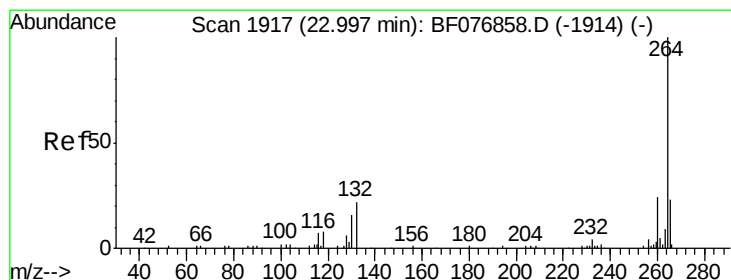
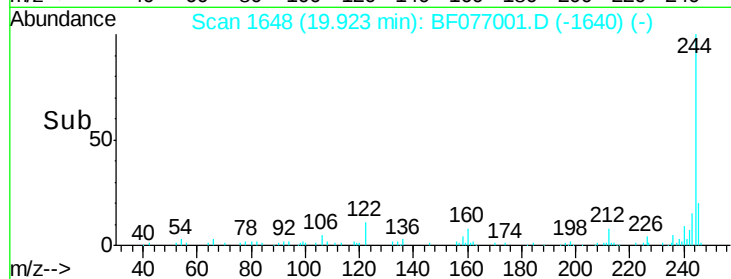
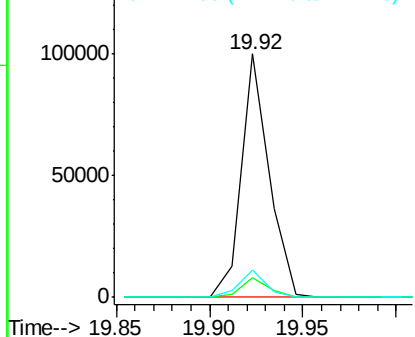
#78
 Terphenyl-d14
 Concen: 17.94 ng
 RT: 19.92 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 102981
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 11.3 10.1 15.1

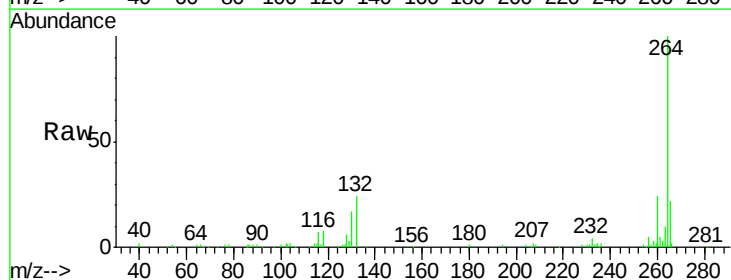


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.85 min Scan# 1904
 Delta R.T. -0.06 min
 Lab File: BF077001.D
 Acq: 21 Jan 2015 18:07

Tgt Ion:264 Resp: 115124
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.7 18.1 27.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

