

Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\
 Data File : BF077011.D
 Acq On : 22 Jan 2015 13:20
 Operator : TP/IZ
 Sample : G1100-12
 Misc : W/ACID
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 23:59:52 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

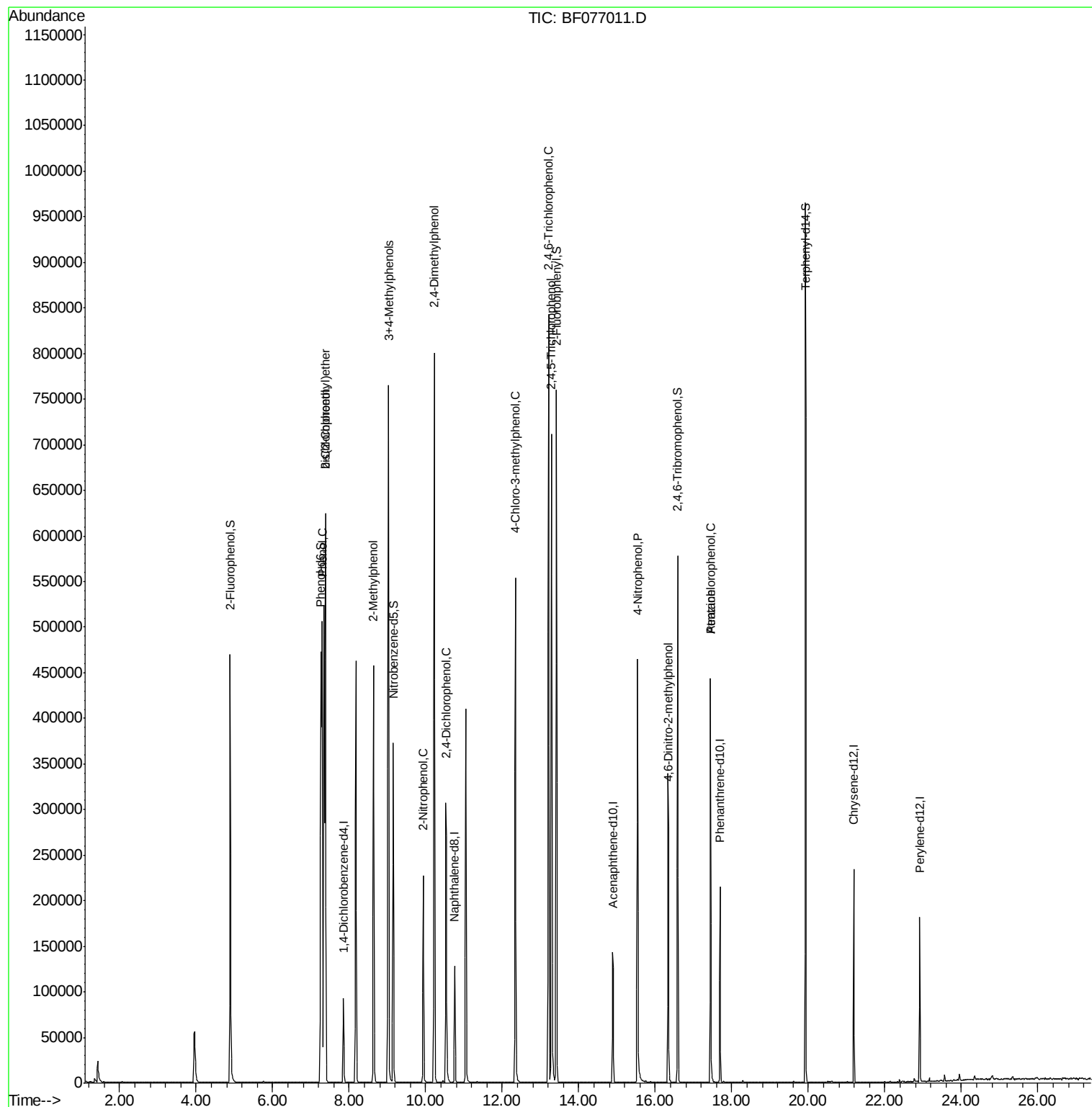
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	26150	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	110693	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	60938	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	103651	20.00	ng	0.00
75) Chrysene-d12	21.19	240	95137	20.00	ng	-0.01
86) Perylene-d12	22.91	264	85946	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	244127	153.49	ng	-0.01
7) Phenol-d6	7.26	99	318069	158.53	ng	-0.01
23) Nitrobenzene-d5	9.16	82	196661	98.43	ng	-0.01
41) 2,4,6-Tribromophenol	16.59	330	79214	160.14	ng	-0.01
44) 2-Fluorobiphenyl	13.42	172	404011	100.89	ng	0.00
78) Terphenyl-d14	19.92	244	434639	105.18	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	7.38	128	264108	144.04	ng	99
10) Phenol	7.29	94	236079	110.81	ng	95
11) bis(2-Chloroethyl)ether	7.38	93	5024	3.01	ng	# 1
17) 2-Methylphenol	8.63	107	132094	88.16	ng	94
20) 3+4-Methylphenols	9.03	107	368738	185.85	ng	94
26) 2-Nitrophenol	9.93	139	66972	63.66	ng	# 85
27) 2,4-Dimethylphenol	10.22	122	226268	143.76	ng	96
29) 2,4-Dichlorophenol	10.53	162	116392	79.34	ng	96
36) 4-Chloro-3-methylphenol	12.35	107	177846	105.88	ng	99
42) 2,4,6-Trichlorophenol	13.21	196	182882	166.60	ng	96
43) 2,4,5-Trichlorophenol	13.28	196	183675	164.06	ng	94
55) 4-Nitrophenol	15.53	139	129384	191.00	ng	96
64) 4,6-Dinitro-2-methylphenol	16.35	198	72618	104.82	ng	93
68) Atrazine	17.44	200	12361	11.02	ng	# 39
69) Pentachlorophenol	17.44	266	56154	107.98	ng	98

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

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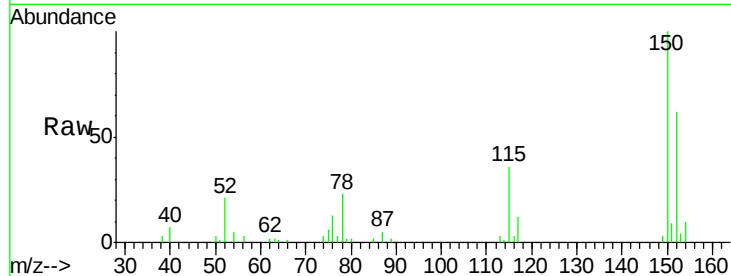


#1

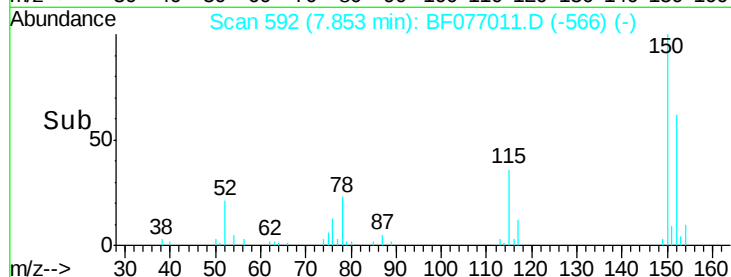
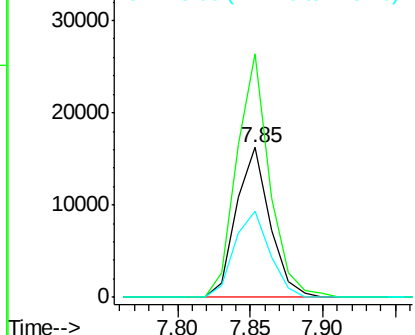
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 26150
Ion Ratio Lower Upper
152 100
150 162.3 121.7 182.5
115 57.9 47.0 70.6



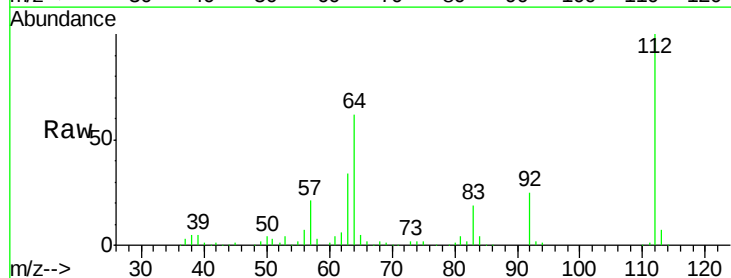
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



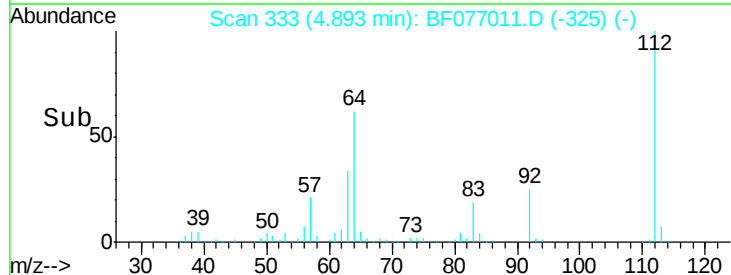
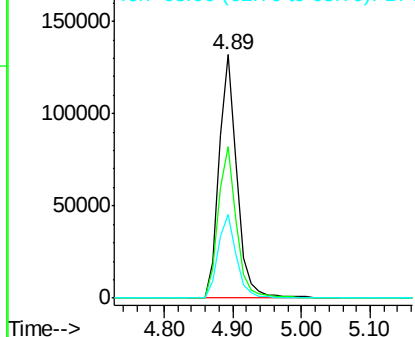
#5

2-Fluorophenol
Concen: 153.49 ng
RT: 4.89 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Tgt Ion:112 Resp: 244127
Ion Ratio Lower Upper
112 100
64 62.0 54.2 81.4
63 34.3 28.4 42.6



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: 158.53 ng

RT: 7.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampleId :

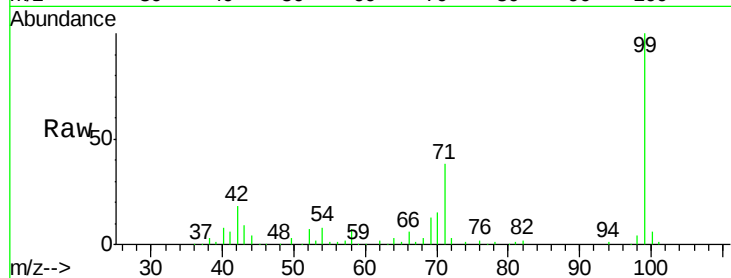
Tot Ion: 99 Resp: 318069

Ion Ratio Lower Upper

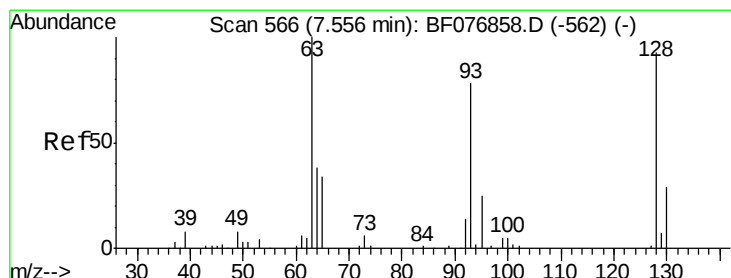
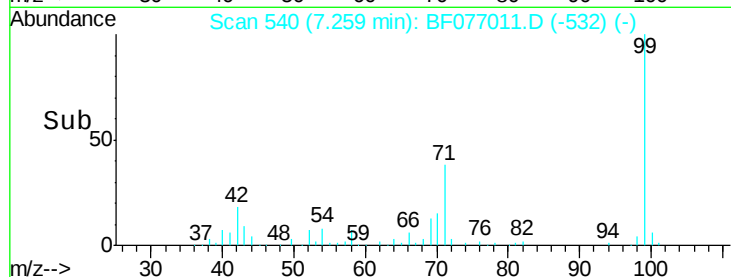
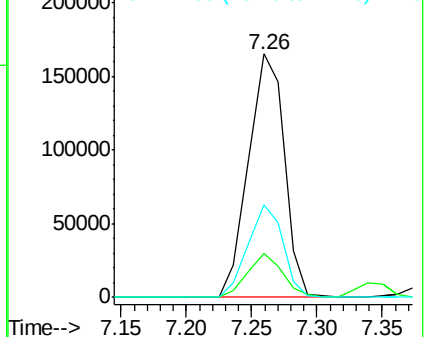
99 100

42 18.3 15.0 22.4

71 38.0 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: 144.04 ng

RT: 7.38 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

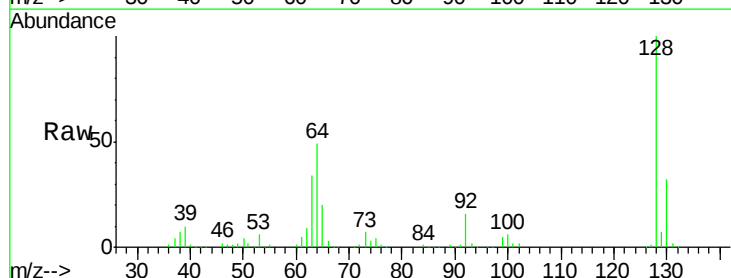
Tgt Ion: 128 Resp: 264108

Ion Ratio Lower Upper

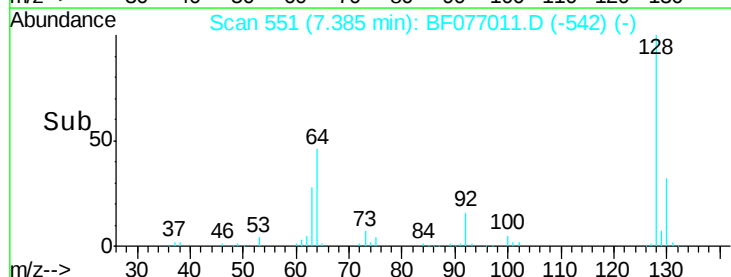
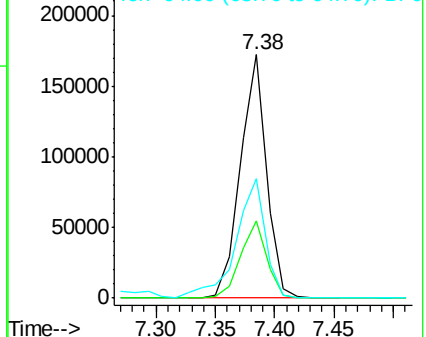
128 100

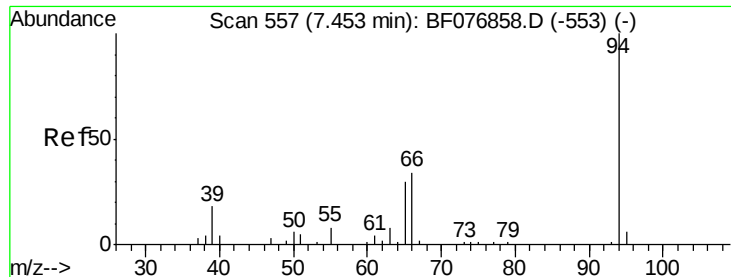
130 31.5 11.0 51.0

64 48.8 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: 110.81 ng

RT: 7.29 min Scan# 543

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

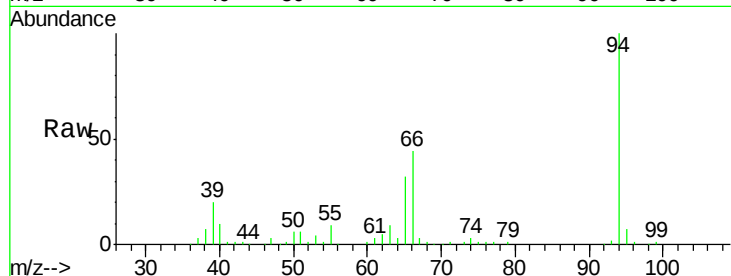
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 236079

Ion	Ratio	Lower	Upper
94	100		
65	32.1	11.3	51.3
66	43.9	19.5	59.5

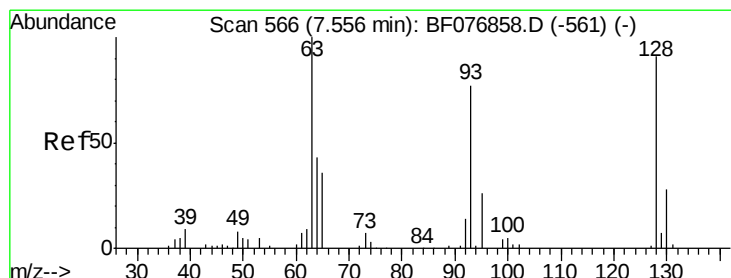
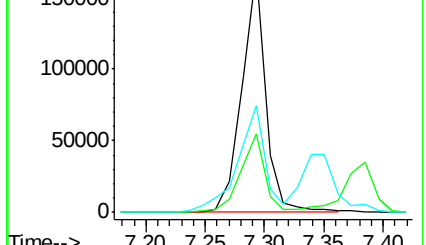
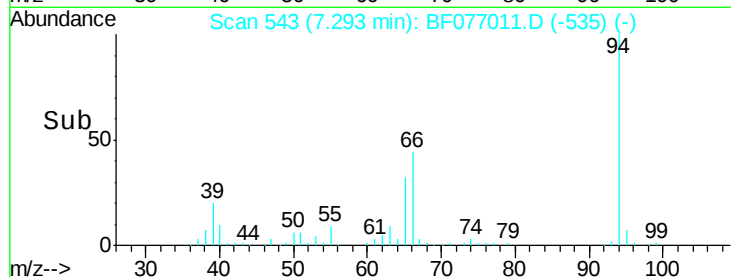


Abundance

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



#11

bis(2-Chloroethyl)ether

Concen: 3.01 ng

RT: 7.38 min Scan# 551

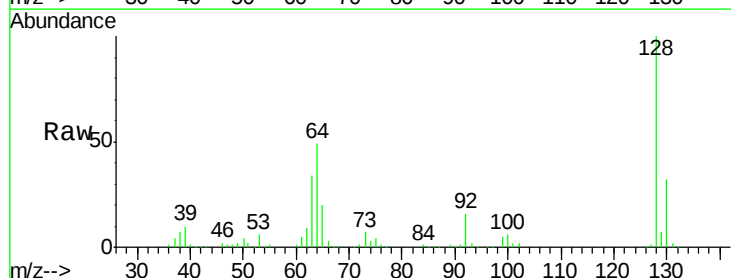
Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Tgt Ion: 93 Resp: 5024

Ion	Ratio	Lower	Upper
93	100		
63	1883.2	111.3	151.3#
95	0.0	13.8	53.8#

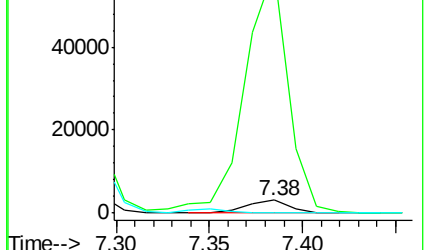
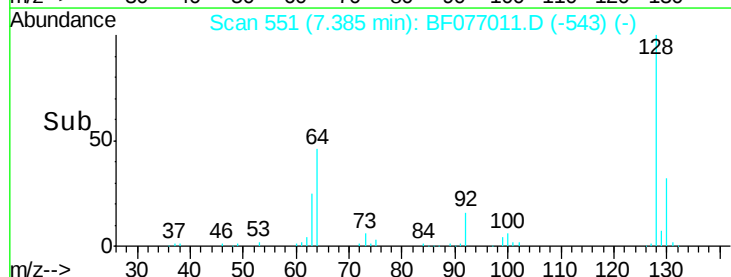


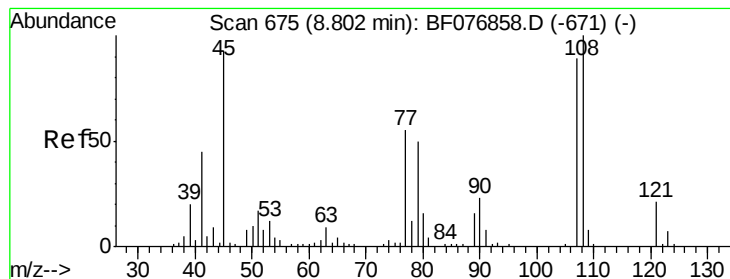
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#17

2-Methylphenol

Concen: 88.16 ng

RT: 8.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 132094

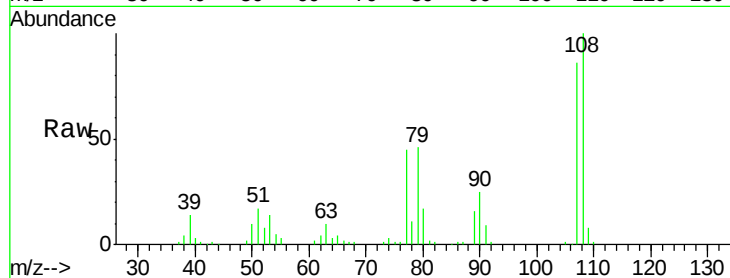
Ion Ratio Lower Upper

107 100

108 115.7 89.7 134.5

77 52.4 50.1 75.1

79 52.9 45.0 67.6



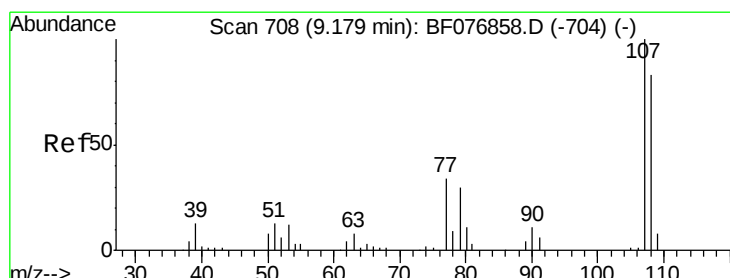
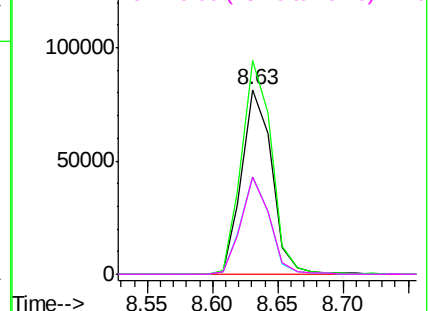
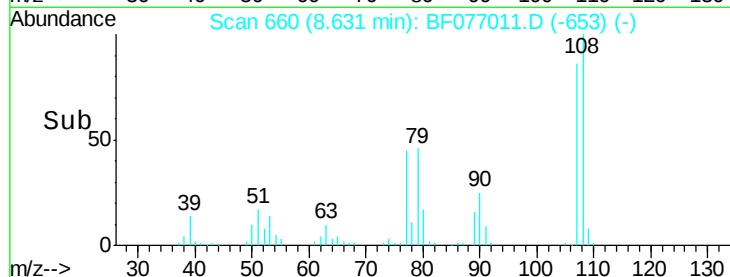
Abundance

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: 185.85 ng

RT: 9.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Tgt Ion:107 Resp: 368738

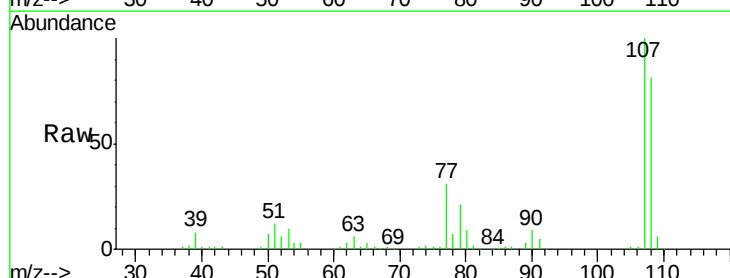
Ion Ratio Lower Upper

107 100

108 81.0 63.5 103.5

77 31.2 14.0 54.0

79 21.4 9.9 49.9



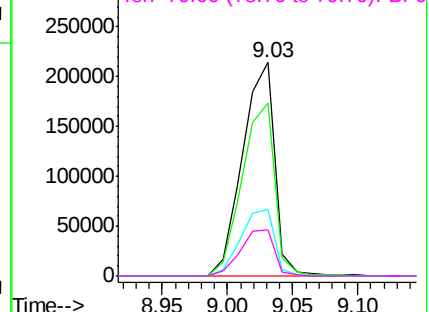
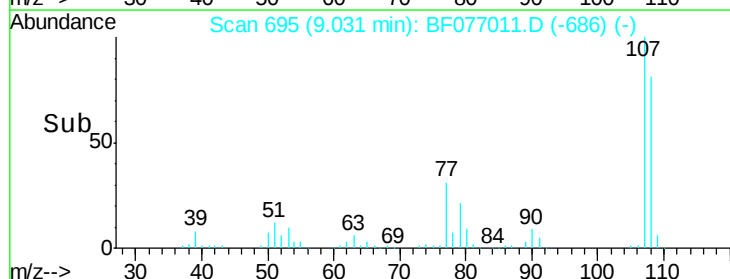
Abundance

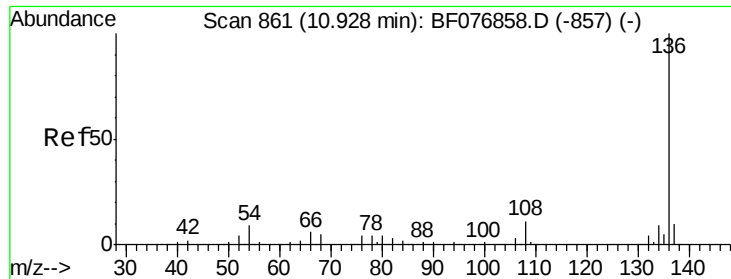
Ion 107.00 (106.70 to 107.70): E

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

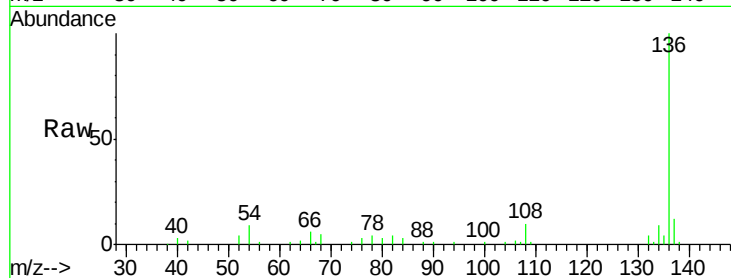




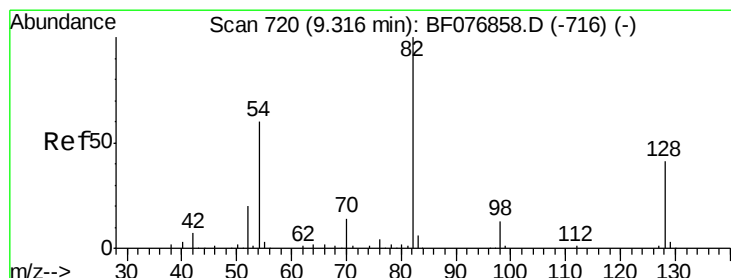
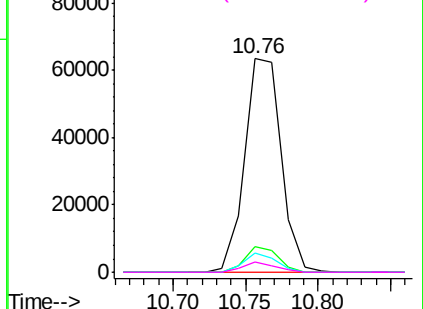
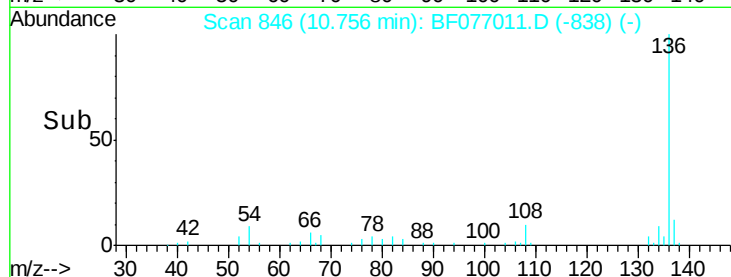
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	110693
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.1	12.1
54 9.1	7.0	10.4
68 4.9	3.7	5.5

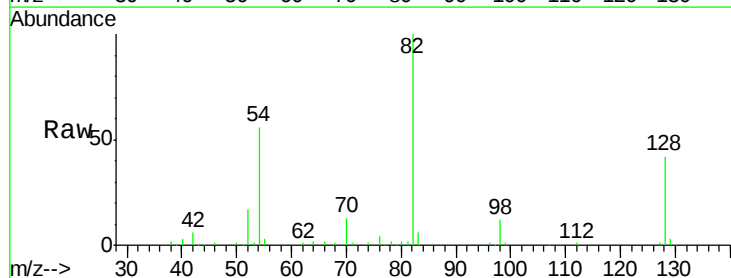


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

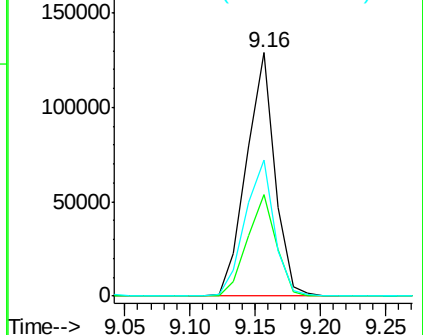
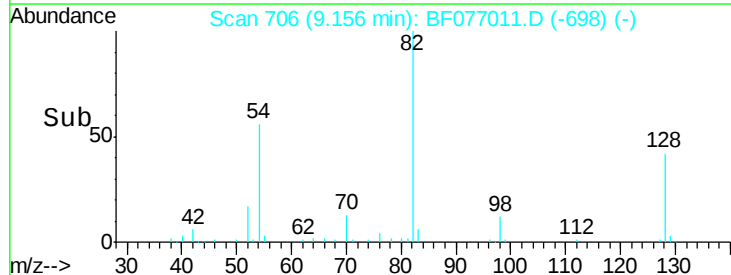


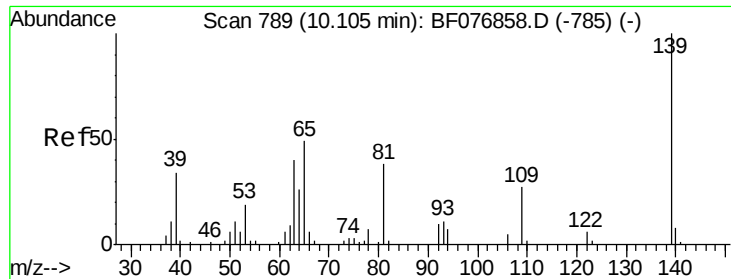
#23
Nitrobenzene-d5
Concen: 98.43 ng
RT: 9.16 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Tgt Ion: 82	Resp:	196661
Ion Ratio	Lower	Upper
82 100		
128 41.6	33.1	49.7
54 55.8	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: 63.66 ng

RT: 9.93 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampled :

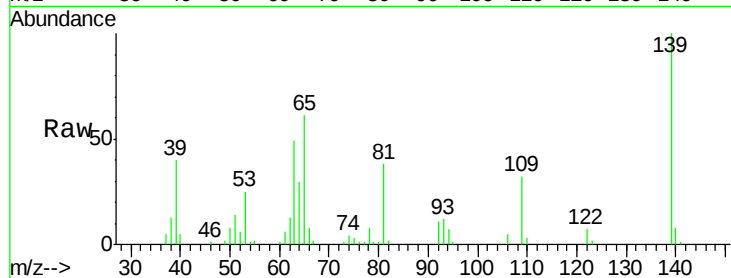
Tot Ion:139 Resp: 66972

Ion Ratio Lower Upper

139 100

109 32.4 21.3 31.9#

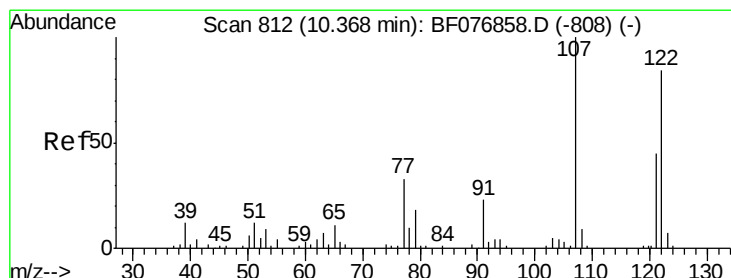
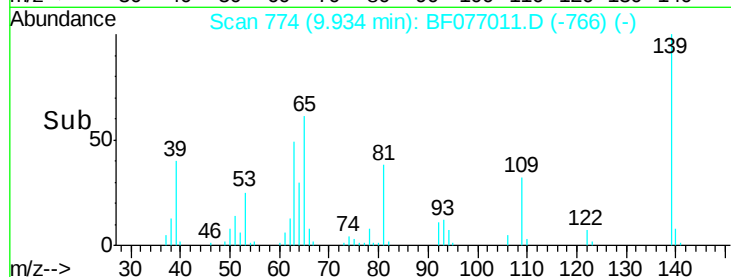
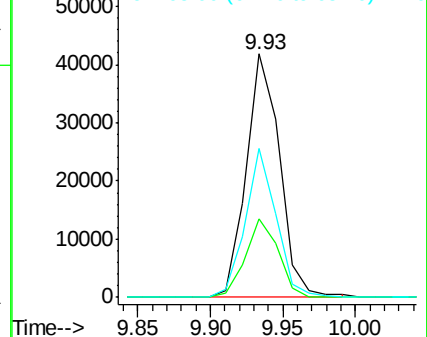
65 61.3 39.4 59.0#



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): BF0



#27

2,4-Dimethylphenol

Concen: 143.76 ng

RT: 10.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

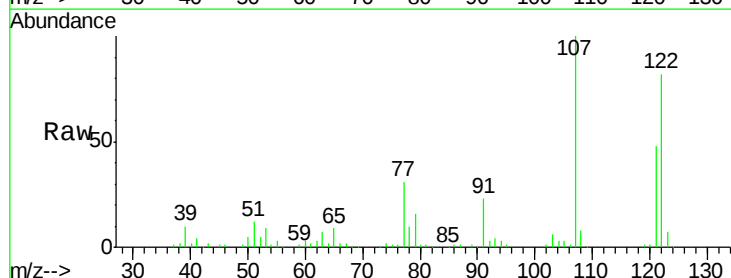
Tgt Ion:122 Resp: 226268

Ion Ratio Lower Upper

122 100

107 121.3 95.2 142.8

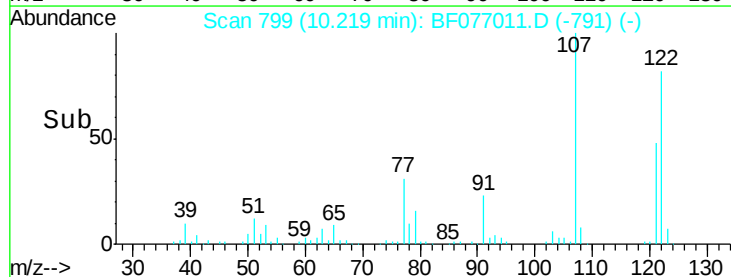
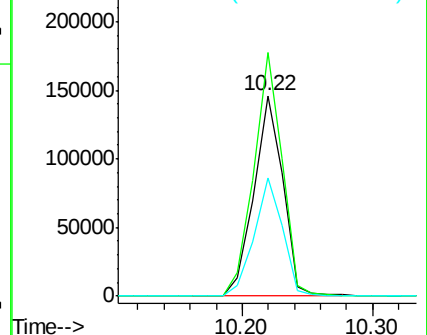
121 58.8 42.9 64.3

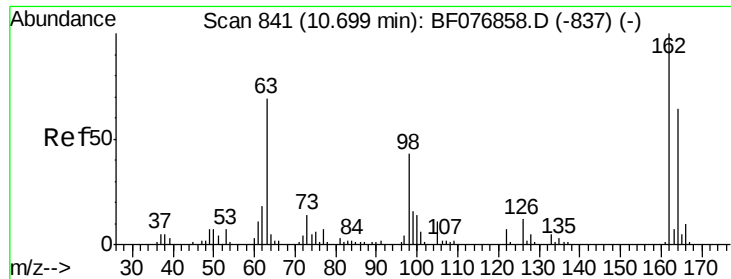


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

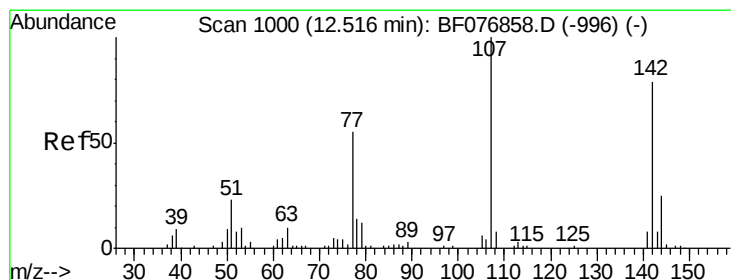
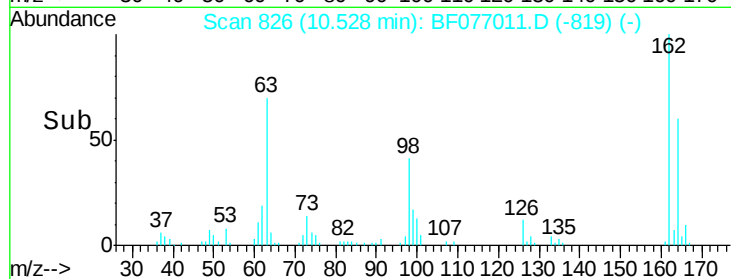
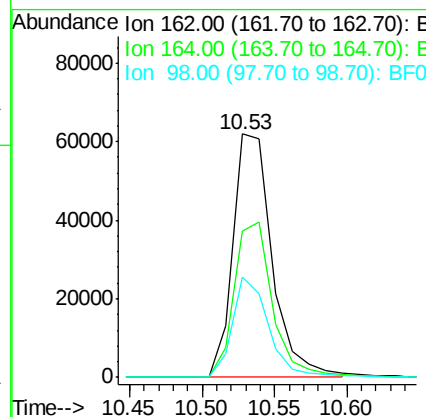
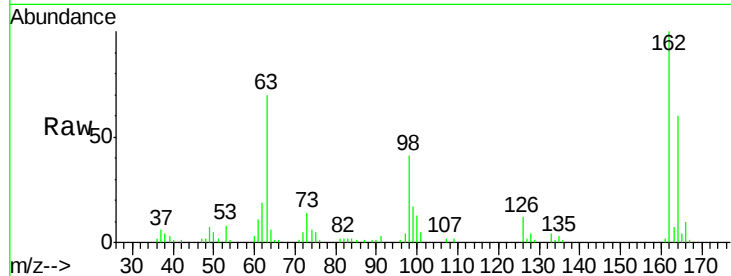




#29
 2,4-Dichlorophenol
 Concen: 79.34 ng
 RT: 10.53 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF077011.D
 Acq: 22 Jan 2015 13:20

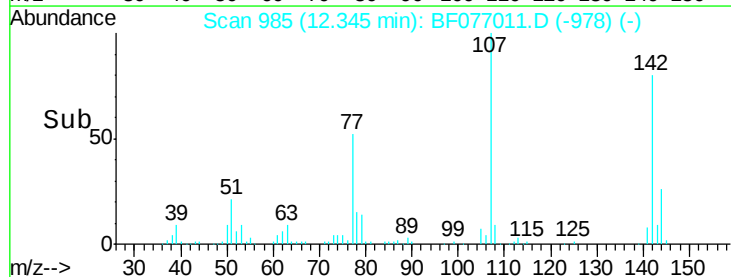
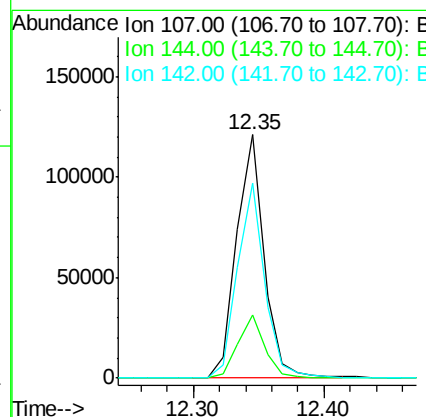
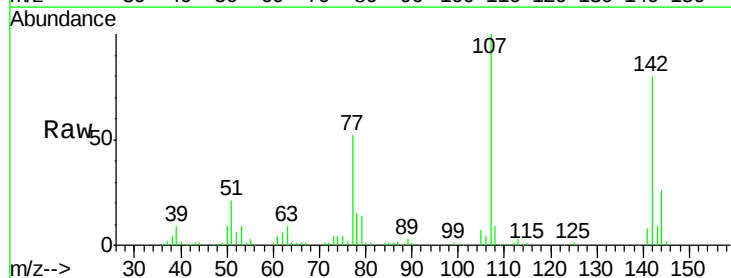
Instrument :
 BNA_F
 ClientSampleId :

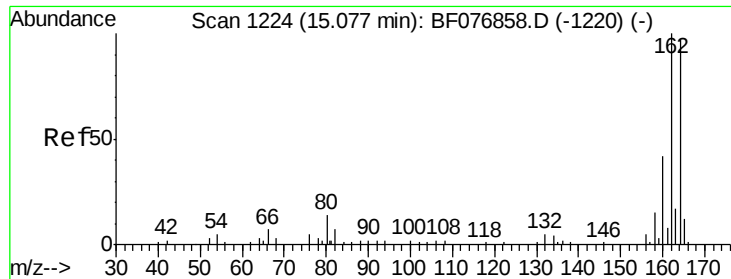
Tot Ion	Ratio	Lower	Upper
162	100		
164	59.9	43.8	83.8
98	41.0	22.5	62.5



#36
 4-Chloro-3-methylphenol
 Concen: 105.88 ng
 RT: 12.35 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF077011.D
 Acq: 22 Jan 2015 13:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.0	30.0
142	80.1	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: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampleId :

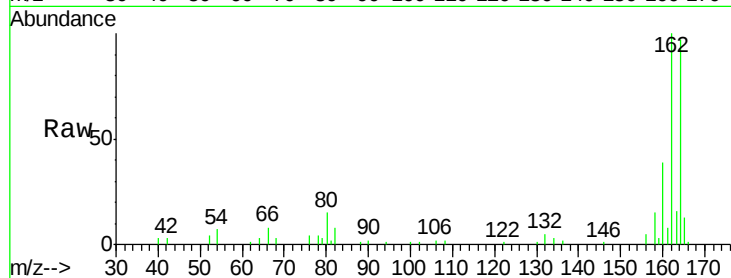
Tot Ion:164 Resp: 60938

Ion Ratio Lower Upper

164 100

162 103.6 82.4 123.6

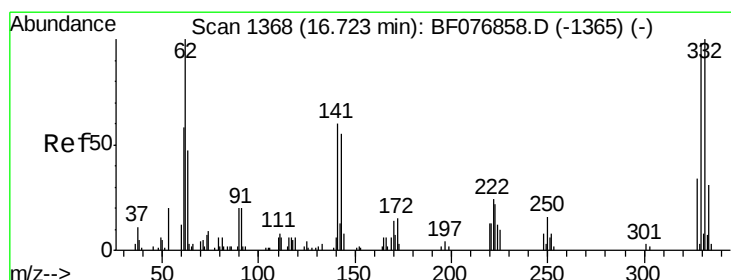
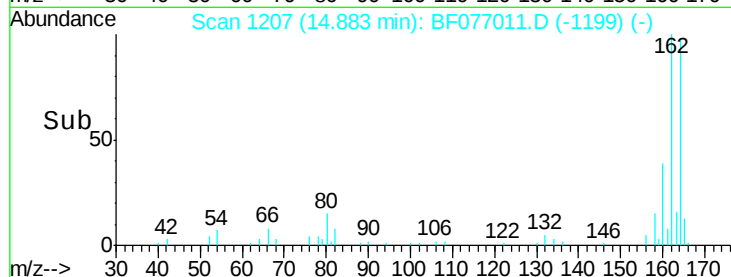
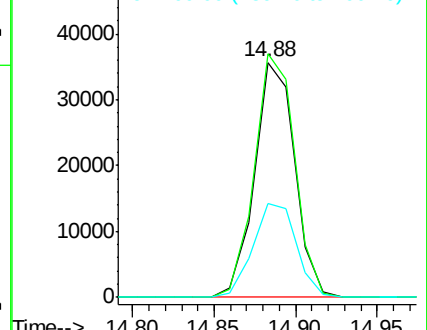
160 40.1 34.8 52.2



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: 160.14 ng

RT: 16.59 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

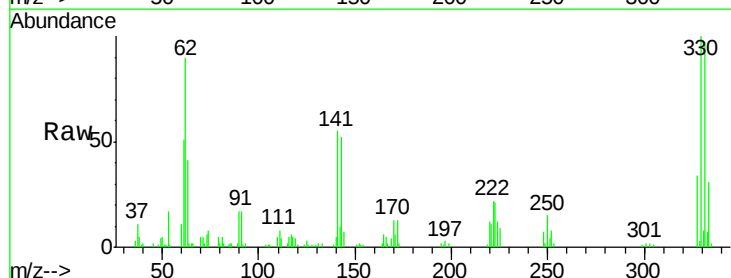
Tgt Ion:330 Resp: 79214

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

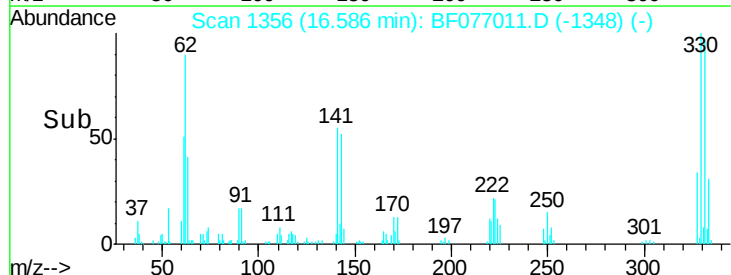
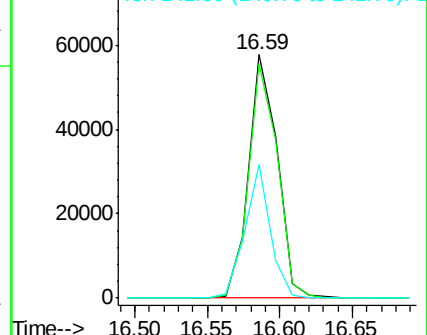
141 48.2 38.5 57.7

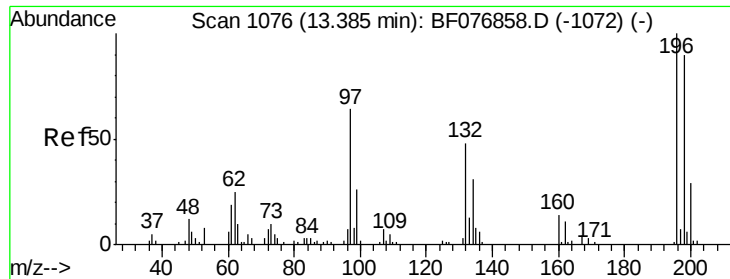


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

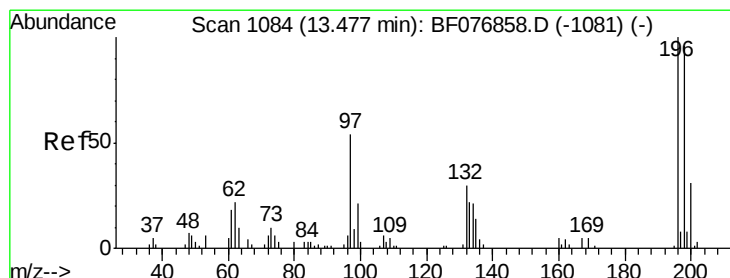
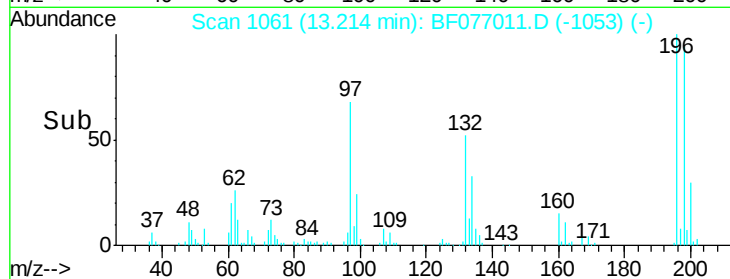
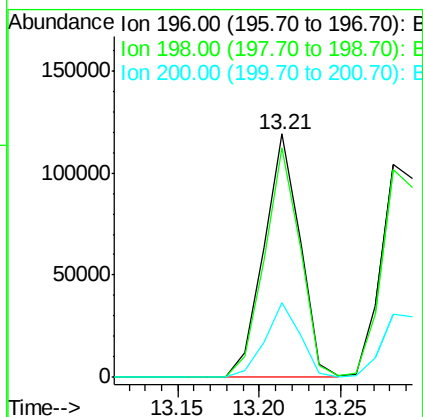
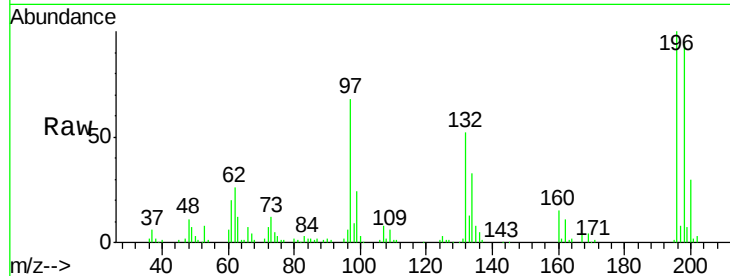




#42
2,4,6-Trichlorophenol
Concen: 166.60 ng
RT: 13.21 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

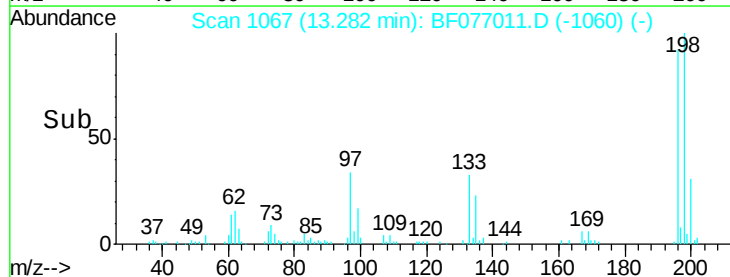
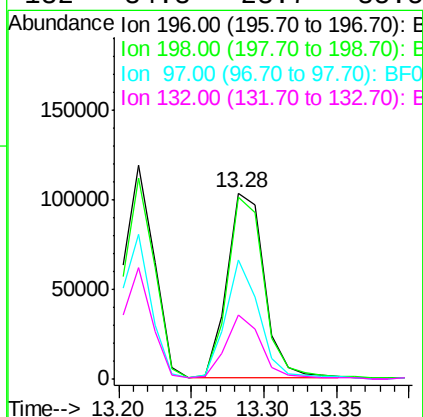
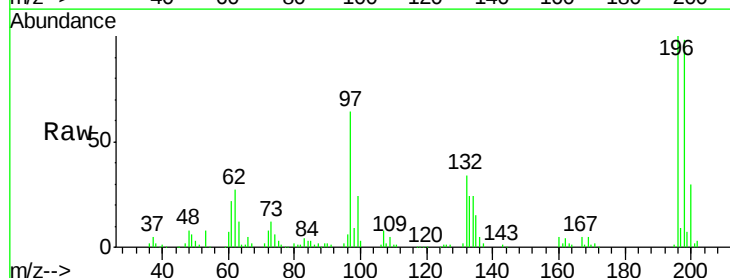
Instrument :
BNA_F
ClientSampleId :

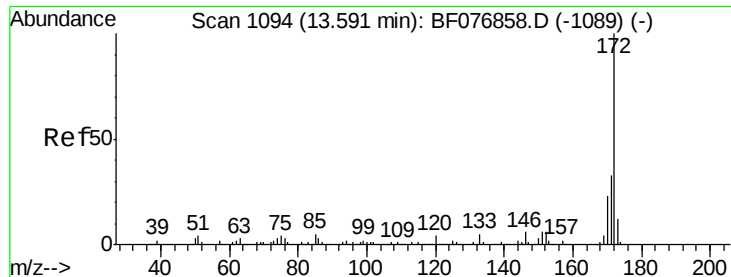
Tot Ion:196 Resp: 182882
Ion Ratio Lower Upper
196 100
198 94.1 72.0 108.0
200 30.5 23.4 35.2



#43
2,4,5-Trichlorophenol
Concen: 164.06 ng
RT: 13.28 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Tgt Ion:196 Resp: 183675
Ion Ratio Lower Upper
196 100
198 97.6 76.6 115.0
97 63.8 43.4 65.0
132 34.3 23.7 35.5

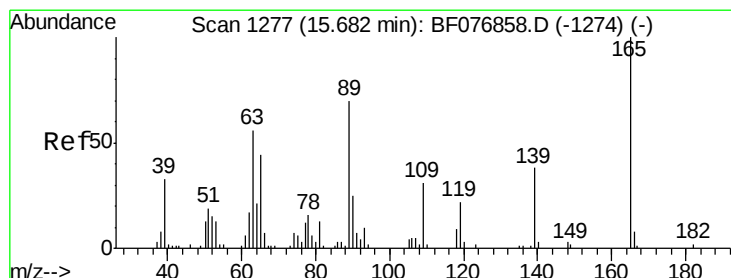
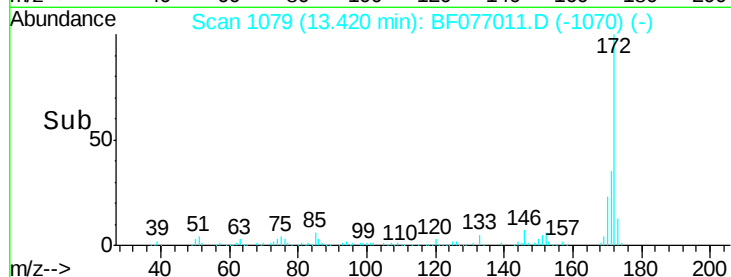
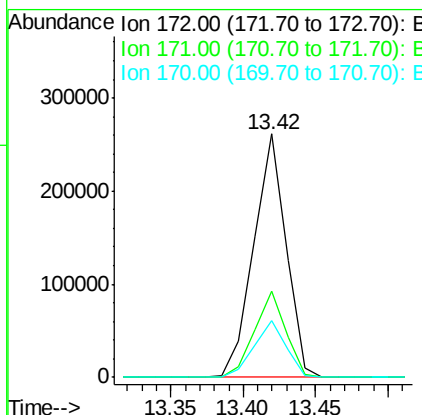
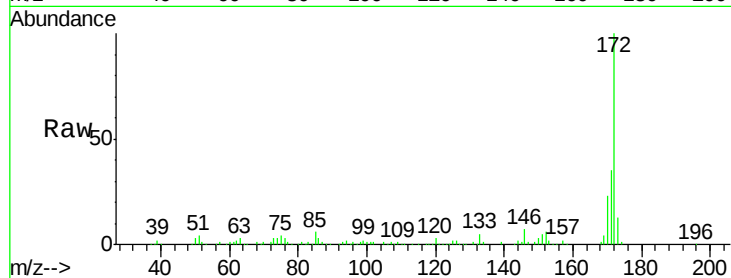




#44
2-Fluorobiphenyl
Concen: 100.89 ng
RT: 13.42 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

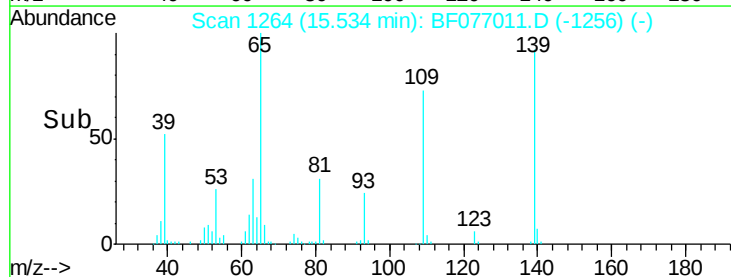
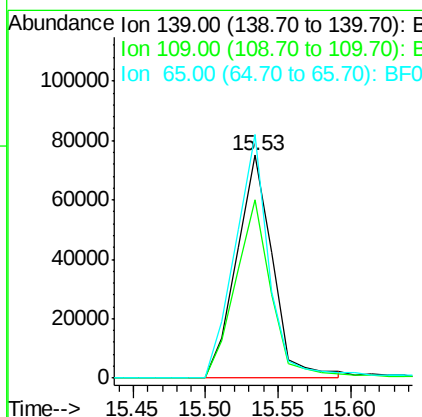
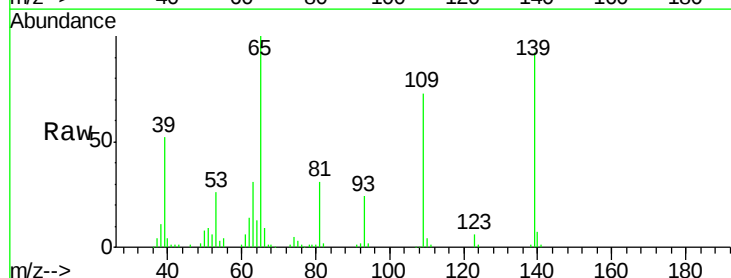
Instrument :
BNA_F
ClientSampleId :

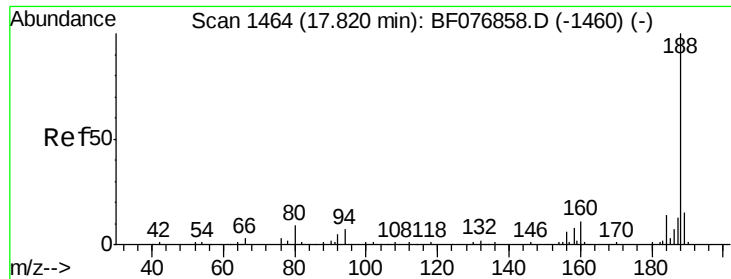
Tot Ion:172 Resp: 404011
Ion Ratio Lower Upper
172 100
171 35.2 26.6 40.0
170 23.2 18.0 27.0



#55
4-Nitrophenol
Concen: 191.00 ng
RT: 15.53 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF077011.D
Acq: 22 Jan 2015 13:20

Tgt Ion:139 Resp: 129384
Ion Ratio Lower Upper
139 100
109 80.2 61.0 101.0
65 109.2 96.6 136.6

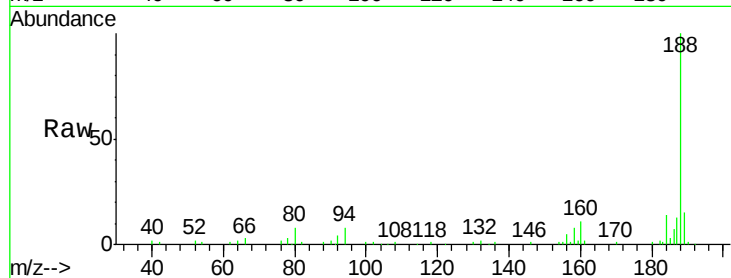




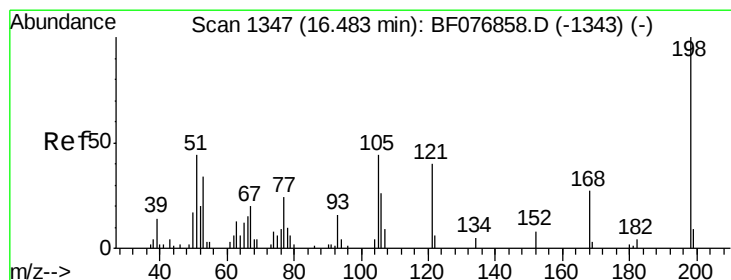
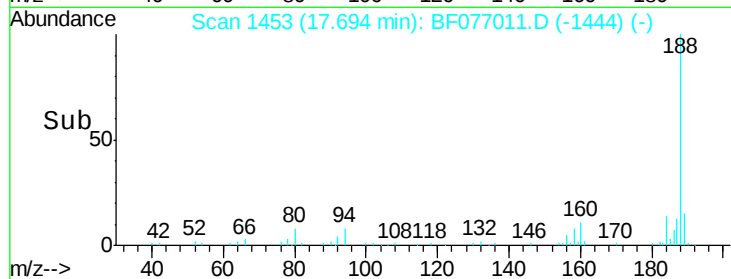
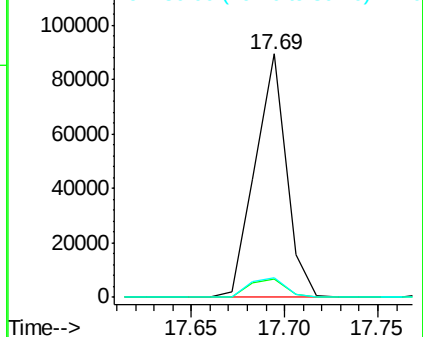
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.69 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF077011.D
 Acq: 22 Jan 2015 13:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.0	9.0
80	8.2	6.9	10.3

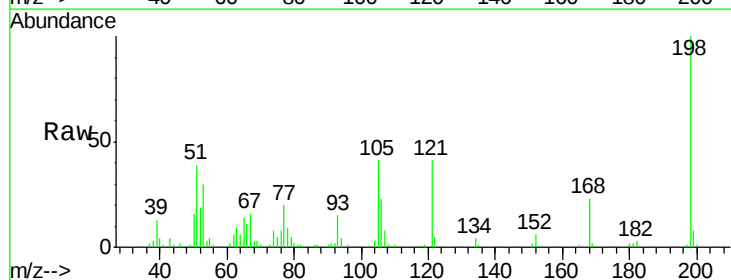


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

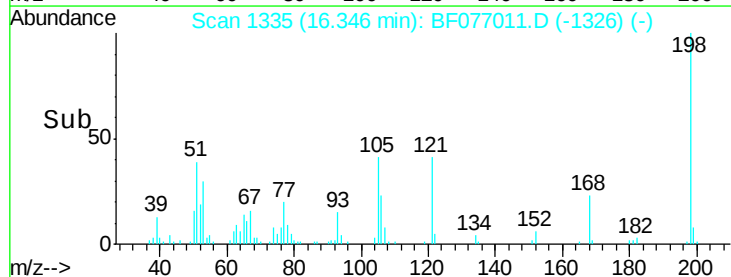
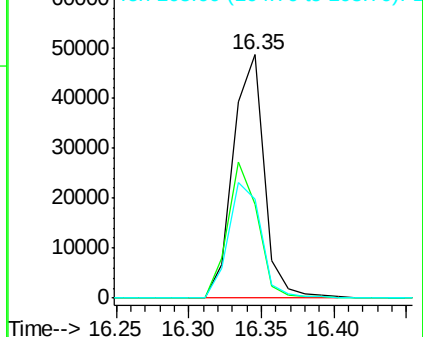


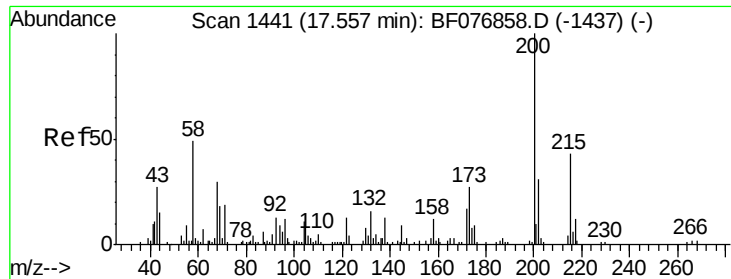
#64
 4,6-Dinitro-2-methylphenol
 Concen: 104.82 ng
 RT: 16.35 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF077011.D
 Acq: 22 Jan 2015 13:20

Tgt Ion	Ratio	Lower	Upper
198	100		
51	38.8	24.2	64.2
105	40.8	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





#68

Atrazine

Concen: 11.02 ng

RT: 17.44 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampled :

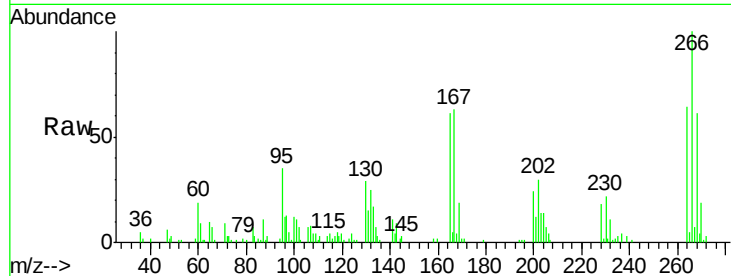
Tot Ion:200 Resp: 12361

Ion Ratio Lower Upper

200 100

173 0.0 6.6 46.6#

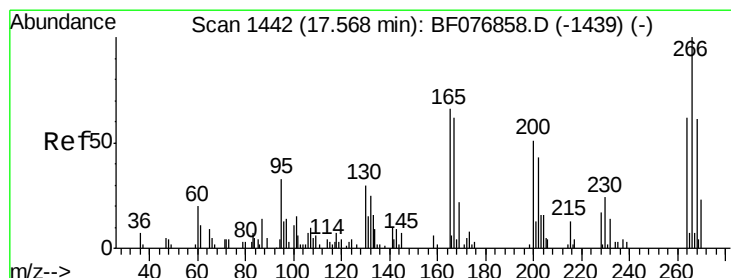
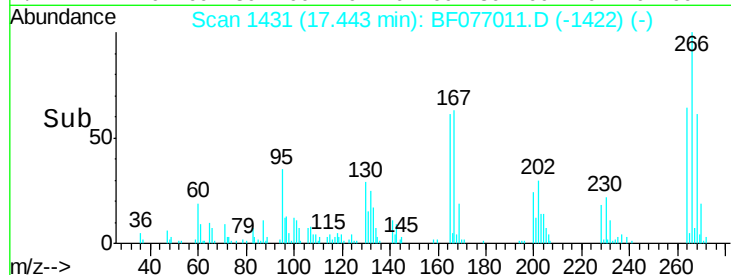
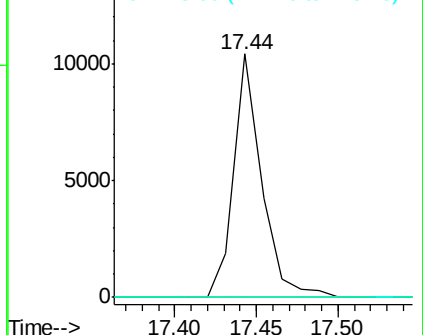
215 0.0 22.9 62.9#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 107.98 ng

RT: 17.44 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

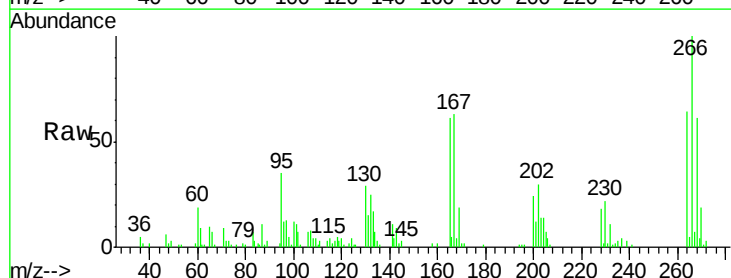
Tgt Ion:266 Resp: 56154

Ion Ratio Lower Upper

266 100

268 61.4 48.6 72.8

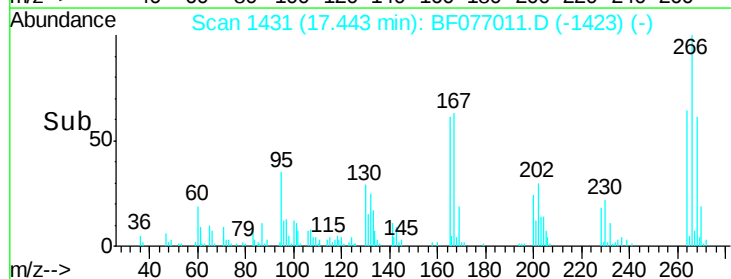
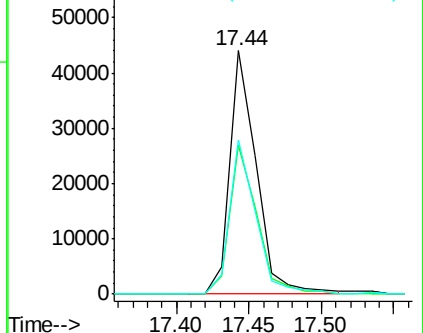
264 63.5 49.5 74.3

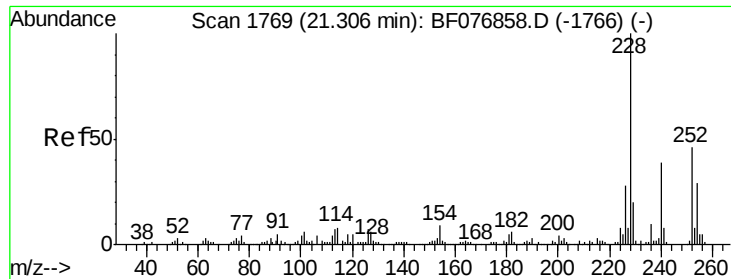


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.19 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

Instrument :

BNA_F

ClientSampleId :

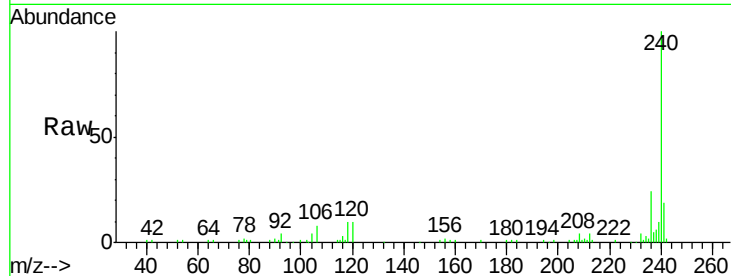
Tot Ion:240 Resp: 95137

Ion Ratio Lower Upper

240 100

120 10.5 10.4 15.6

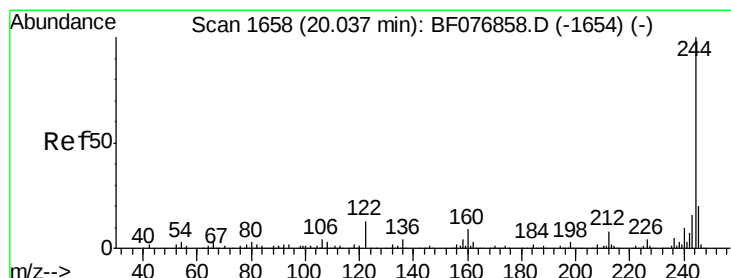
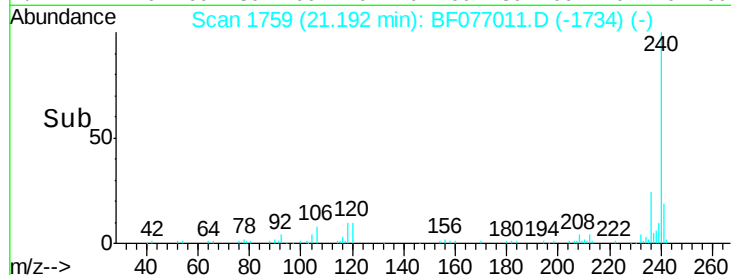
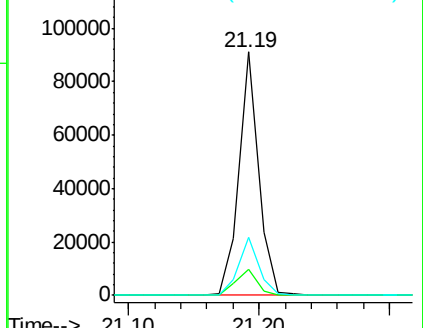
236 23.8 20.2 30.2



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: 105.18 ng

RT: 19.92 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BF077011.D

Acq: 22 Jan 2015 13:20

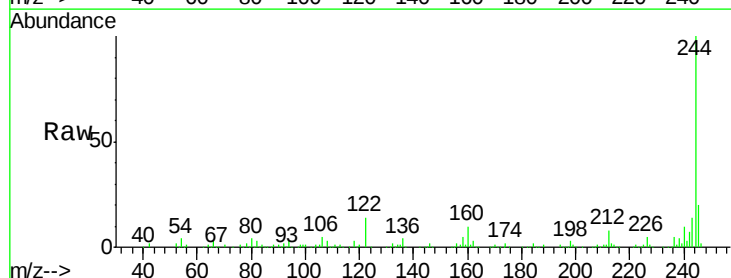
Tgt Ion:244 Resp: 434639

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

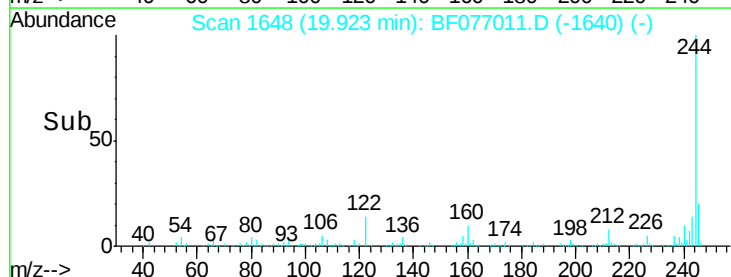
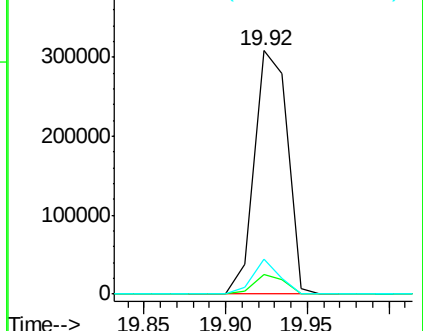
122 14.5 10.1 15.1

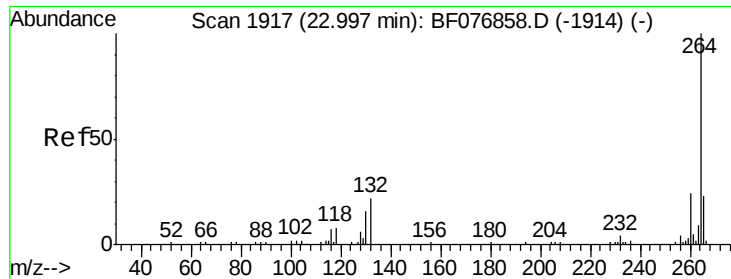


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

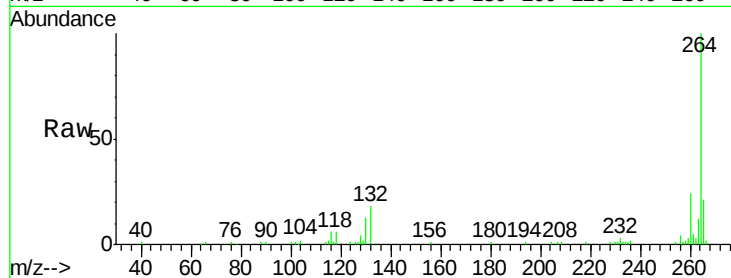




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 22.91 min Scan# 1909
 Delta R.T. 0.05 min
 Lab File: BF077011.D
 Acq: 22 Jan 2015 13:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 85946
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.3 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

