

Data Path : Z:\HPCHEM1\BNA F\Data\BF012115\
 Data File : BF077002.D
 Acq On : 21 Jan 2015 18:41
 Operator : TP/IZ
 Sample : G1100-14DL
 Misc : W/BASE
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:31:32 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	28616	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	121106	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	63435	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	105896	20.00	ng	0.00
75) Chrysene-d12	21.19	240	103016	20.00	ng	-0.01
86) Perylene-d12	22.85	264	97371	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	54913	31.55	ng	0.00
7) Phenol-d6	7.26	99	73440	33.45	ng	-0.02
23) Nitrobenzene-d5	9.14	82	45779	20.94	ng	-0.01
41) 2,4,6-Tribromophenol	16.59	330	16190	31.44	ng	-0.01
44) 2-Fluorobiphenyl	13.42	172	94131	22.58	ng	0.00
78) Terphenyl-d14	19.92	244	100732	22.51	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	1.43	88	2257	3.03	ng	# 12
4) n-Nitrosodimethylamine	1.64	42	20872	21.85	ng	97
6) Aniline	7.38	93	16081	5.29	ng	# 53
11) bis(2-Chloroethyl)ether	7.38	93	18523	10.15	ng	# 63
12) 1,3-Dichlorobenzene	7.69	146	16768	7.35	ng	98
13) 1,4-Dichlorobenzene	7.89	146	75189	31.06	ng	97
14) 1,2-Dichlorobenzene	8.21	146	66110	29.64	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.64	45	29194	11.91	ng	# 43
24) Nitrobenzene	9.19	77	23408	10.51	ng	95
28) bis(2-Chloroethoxy)methane	10.42	93	63706	28.15	ng	96
30) 1,2,4-Trichlorobenzene	10.68	180	18155	10.18	ng	92
34) Hexachlorobutadiene	11.18	225	26283	24.85	ng	# 88
37) 2-Methylnaphthalene	12.47	142	55925	13.13	ng	97
46) 2-Chloronaphthalene	13.59	162	36152	9.34	ng	98
48) Acenaphthylene	14.54	152	78998	12.10	ng	100
49) Dimethylphthalate	14.48	163	80084	17.80	ng	99
50) 2,6-Dinitrotoluene	14.59	165	14349	15.96	ng	90
51) Acenaphthene	14.96	154	67734	18.29	ng	95
54) Dibenzofuran	15.39	168	141179	26.17	ng	99
57) Fluorene	16.12	166	24808	5.43	ng	95
60) 4-Chlorophenyl-phenylether	16.22	204	12367	6.61	ng	85
65) n-Nitrosodiphenylamine	16.46	169	25705	6.81	ng	99
66) 4-Bromophenyl-phenylether	17.07	248	19603	18.27	ng	94
67) Hexachlorobenzene	17.08	284	15291	13.52	ng	# 84
71) Anthracene	17.81	178	127864	19.86	ng	98
73) Di-n-butylphthalate	18.68	149	114945	15.90	ng	99
74) Fluoranthene	19.37	202	48607	7.18	ng	98
77) Pyrene	19.65	202	135405	19.18	ng	100
79) Butylbenzylphthalate	20.59	149	91251	28.54	ng	91
80) Benzo(a)anthracene	21.18	228	154539	23.91	ng	98
81) 3,3'-Dichlorobenzidine	21.19	252	10913	5.31	ng	# 91
82) Chrysene	21.18	228	154544	26.22	ng	96
83) Bis(2-ethylhexyl)phthalate	21.33	149	151275	34.19	ng	99
84) Di-n-octyl phthalate	22.09	149	152178	19.82	ng	98

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QLast Update : Thu Jan 22 00:29:07 2015
Response via : Initial Calibration

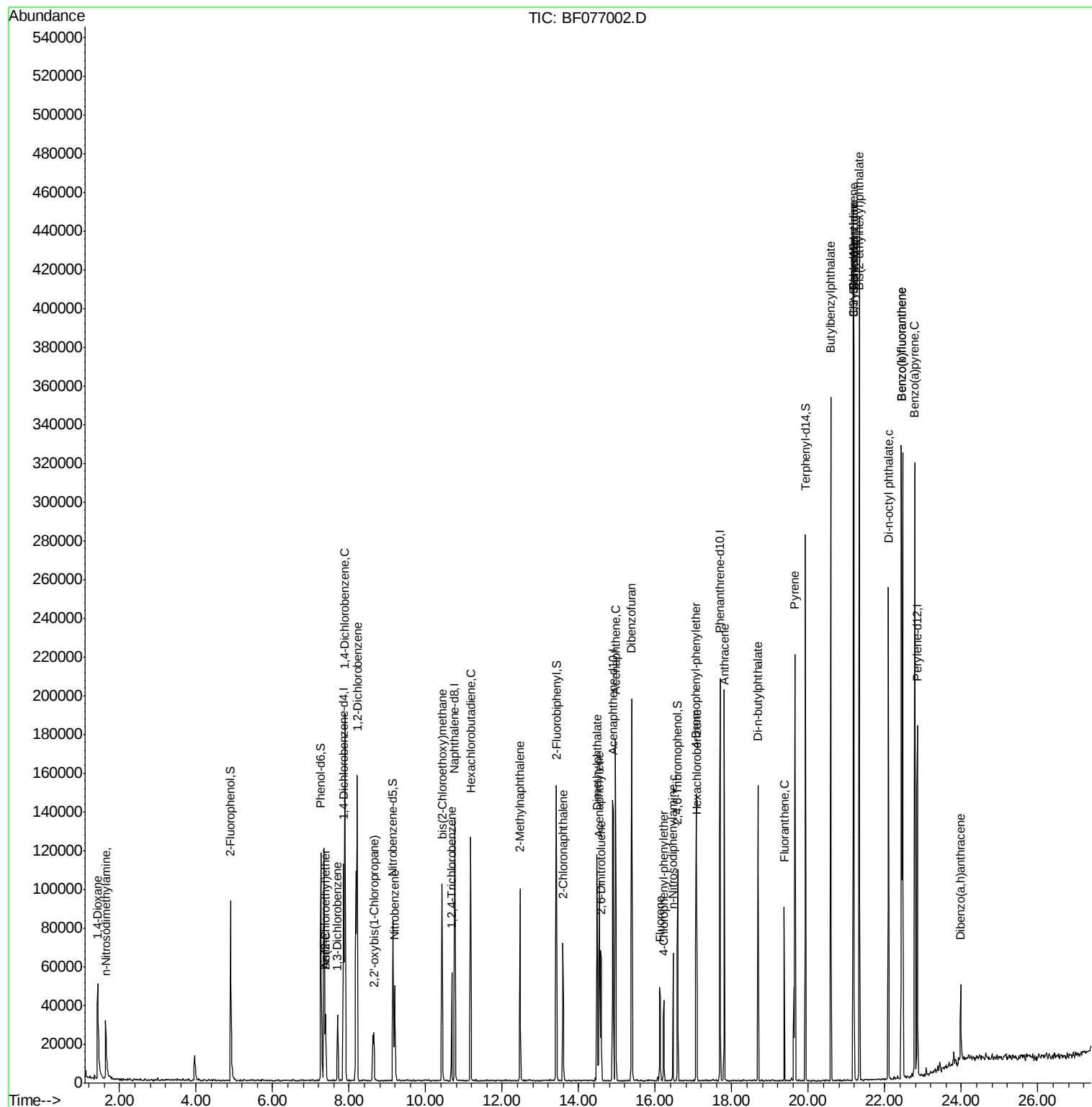
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.43	252	195234	29.77	ng	98
88) Benzo(k)fluoranthene	22.43	252	195234	34.07	ng	# 95
89) Benzo(a)pyrene	22.78	252	171386	29.63	ng	# 95
90) Dibenzo(a,h)anthracene	23.98	278	23128	4.36	ng	96

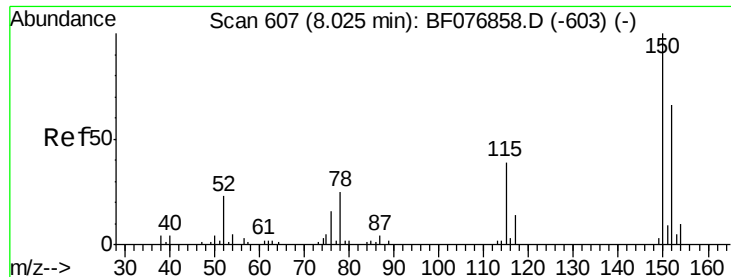
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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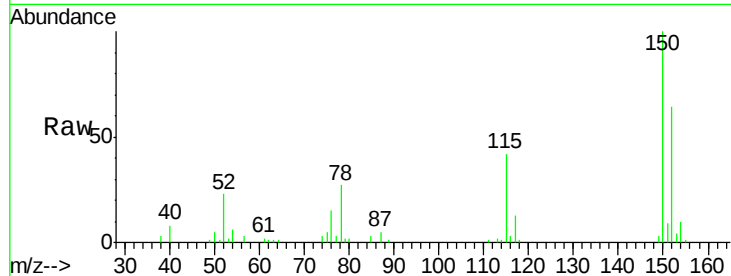


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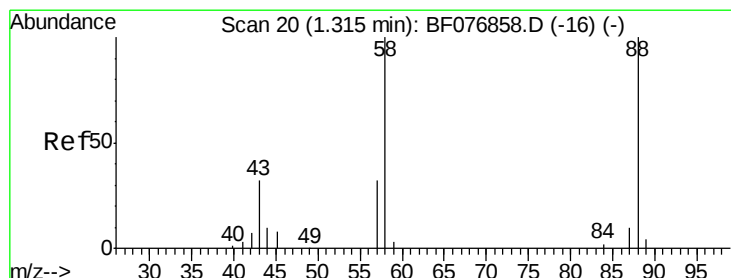
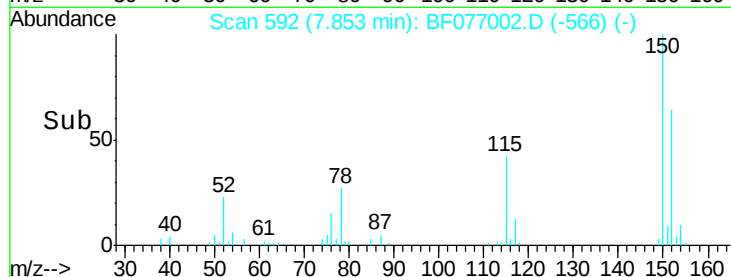
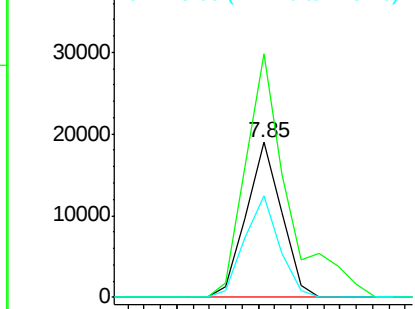
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28616
Ion Ratio Lower Upper
152 100
150 157.0 121.7 182.5
115 65.6 47.0 70.6



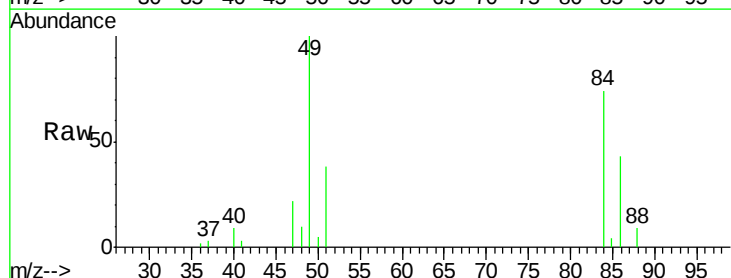
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



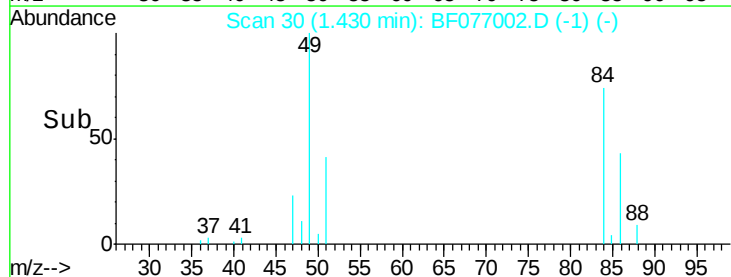
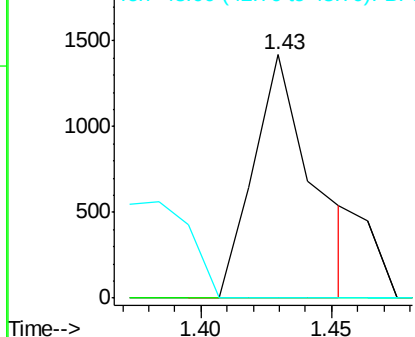
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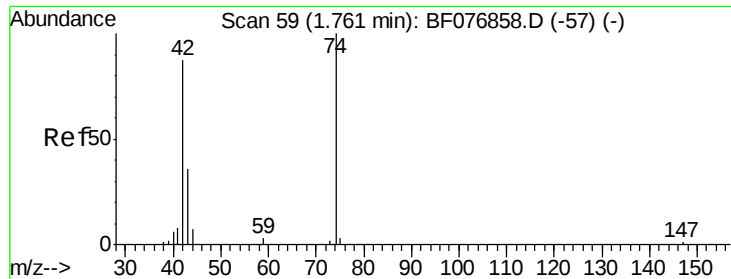
1,4-Dioxane
Concen: 3.03 ng
RT: 1.43 min Scan# 30
Delta R.T. 0.23 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion: 88 Resp: 2257
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



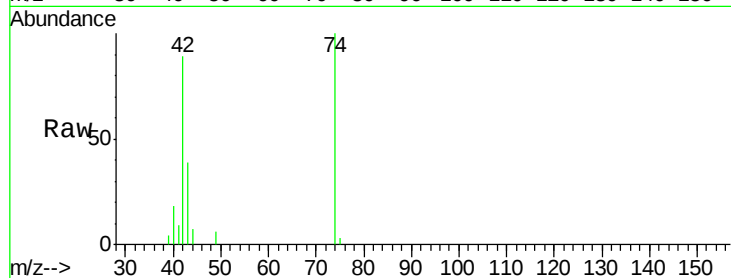


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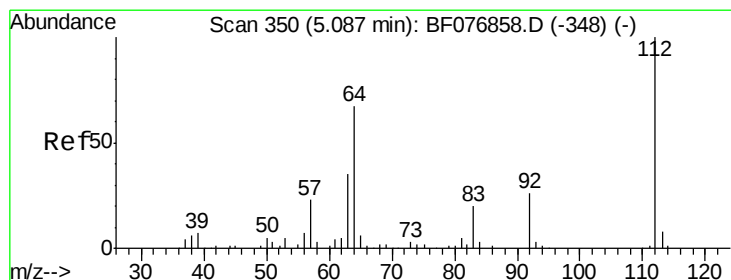
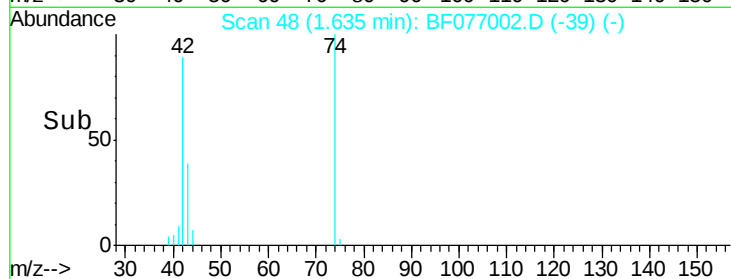
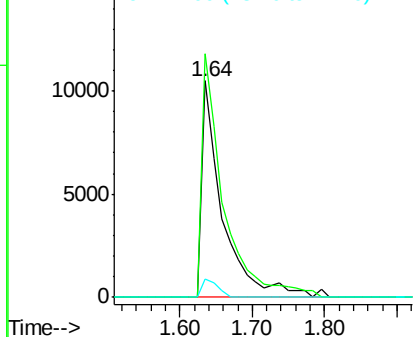
n-Nitrosodimethylamine
 Concen: 21.85 ng
 RT: 1.64 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 42 Resp: 20872
 Ion Ratio Lower Upper
 42 100
 74 112.6 92.4 138.6
 44 8.2 6.2 9.2



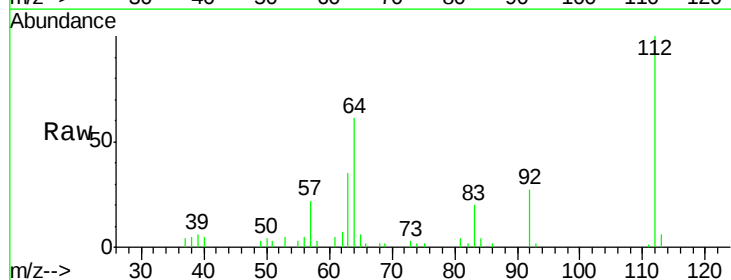
Abundance Ion 42.00 (41.70 to 42.70): BF0
 Ion 74.00 (73.70 to 74.70): BF0
 Ion 44.00 (43.70 to 44.70): BF0



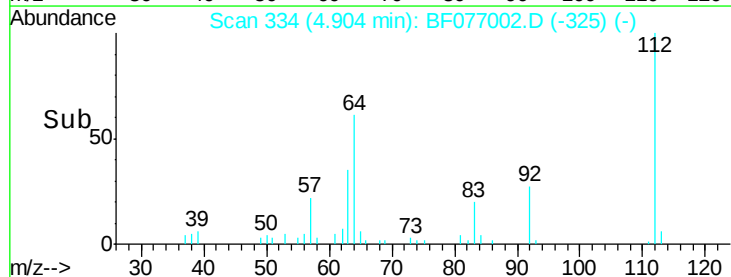
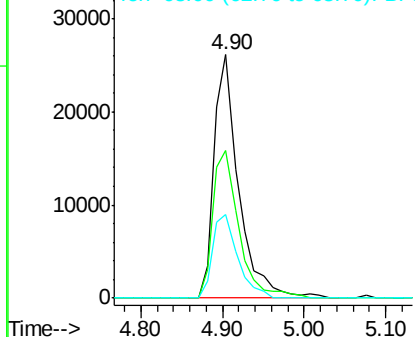
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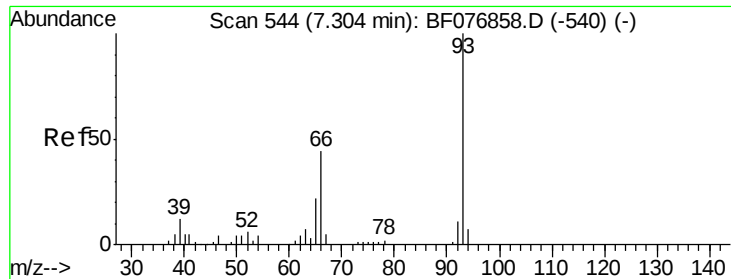
2-Fluorophenol
 Concen: 31.55 ng
 RT: 4.90 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion: 112 Resp: 54913
 Ion Ratio Lower Upper
 112 100
 64 60.7 54.2 81.4
 63 34.6 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





#6

Aniline

Concen: 5.29 ng

RT: 7.38 min Scan# 551

Delta R.T. 0.24 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

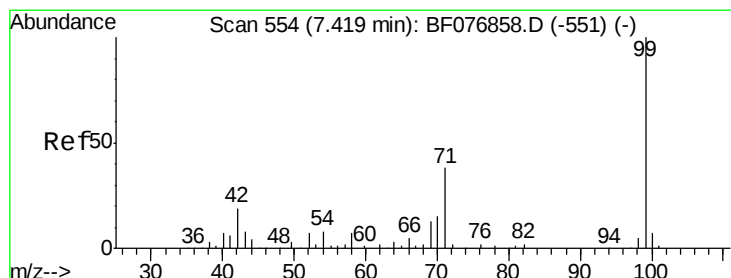
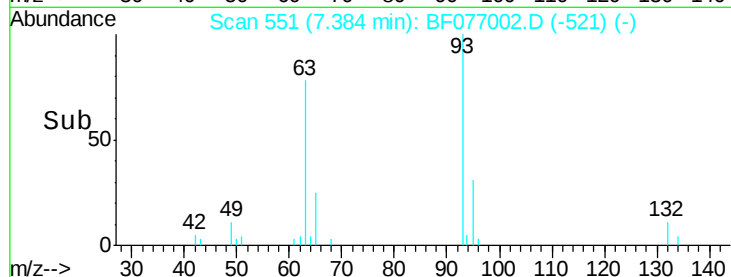
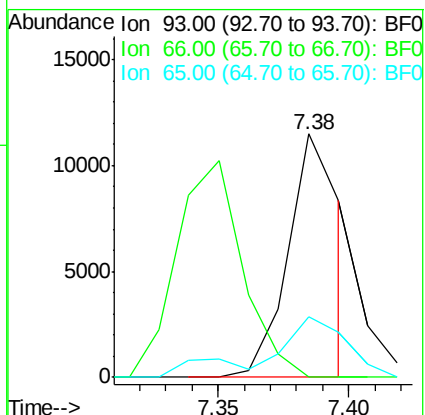
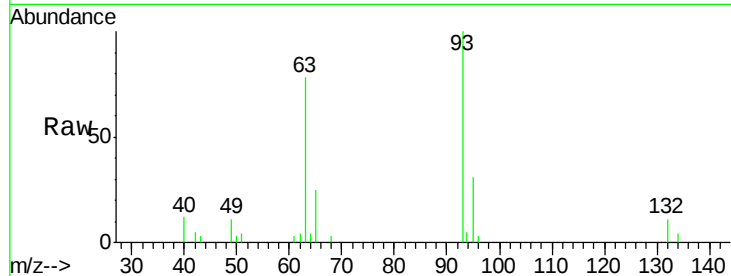
Tot Ion: 93 Resp: 16081

Ion Ratio Lower Upper

93 100

66 0.0 35.0 52.4#

65 25.1 17.7 26.5



#7

Phenol-d6

Concen: 33.45 ng

RT: 7.26 min Scan# 540

Delta R.T. -0.02 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

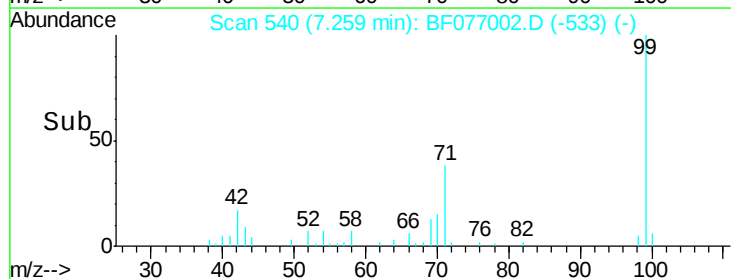
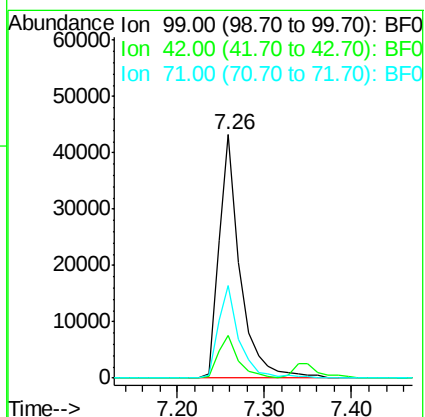
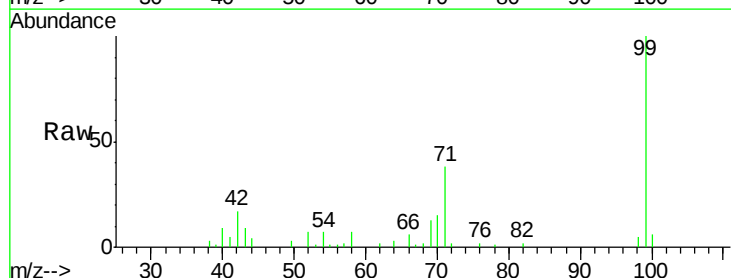
Tgt Ion: 99 Resp: 73440

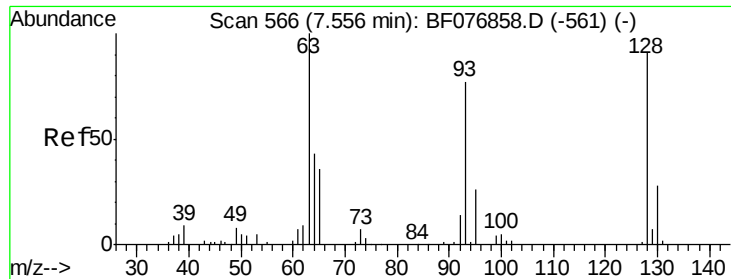
Ion Ratio Lower Upper

99 100

42 17.5 15.0 22.4

71 38.1 30.5 45.7

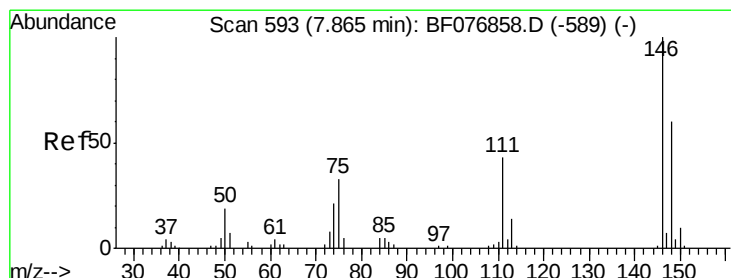
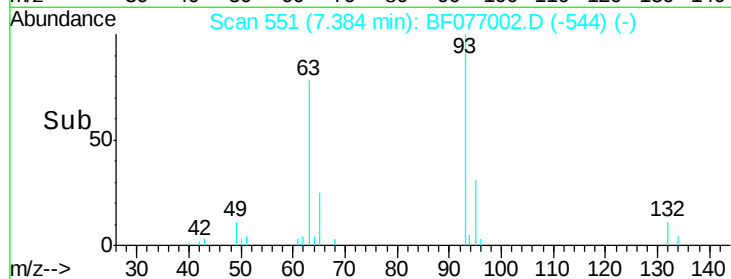
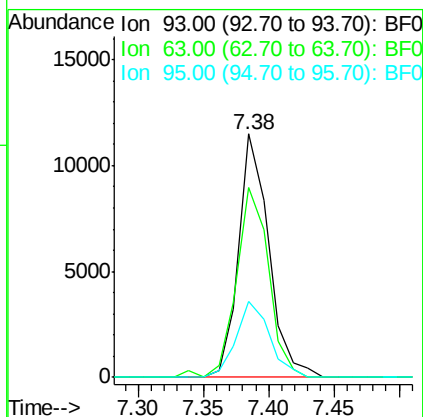
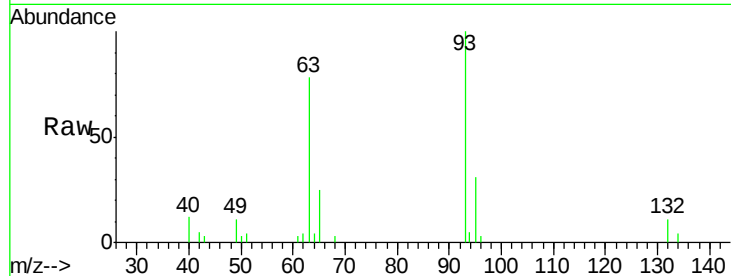




#11
bis(2-Chloroethyl)ether
Concen: 10.15 ng
RT: 7.38 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

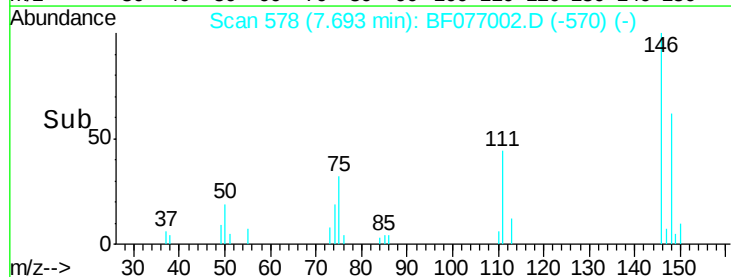
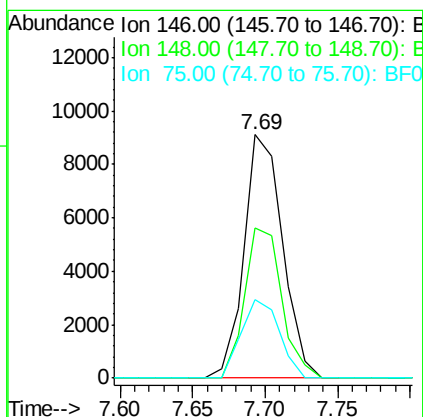
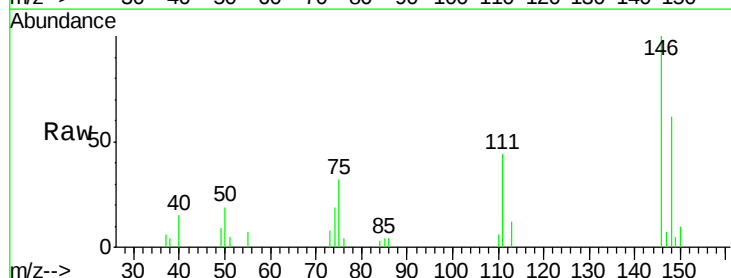
Instrument :
BNA_F
ClientSampleId :

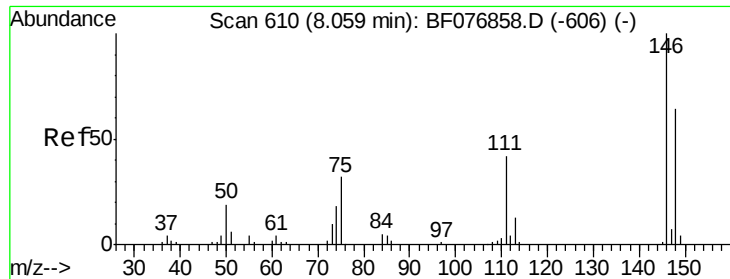
Tot Ion: 93 Resp: 18523
Ion Ratio Lower Upper
93 100
63 78.2 111.3 151.3#
95 31.2 13.8 53.8



#12
1,3-Dichlorobenzene
Concen: 7.35 ng
RT: 7.69 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion: 146 Resp: 16768
Ion Ratio Lower Upper
146 100
148 61.6 48.1 72.1
75 32.0 26.8 40.2

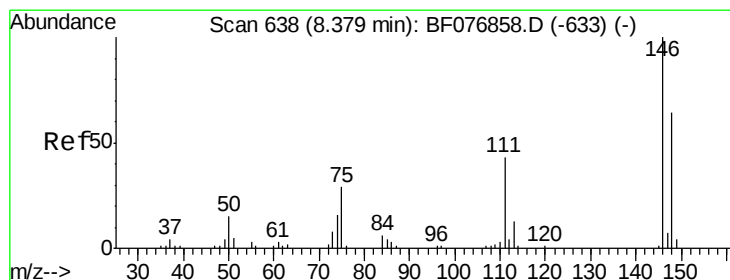
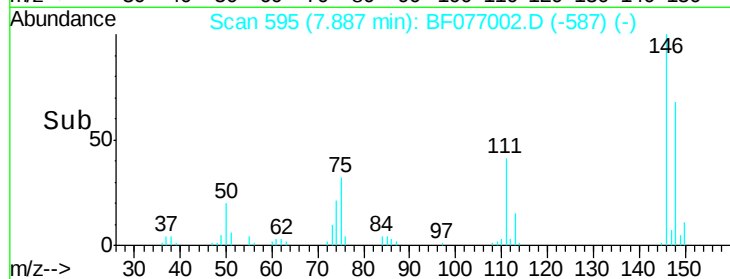
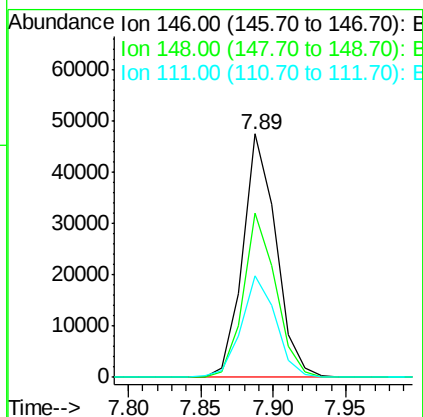
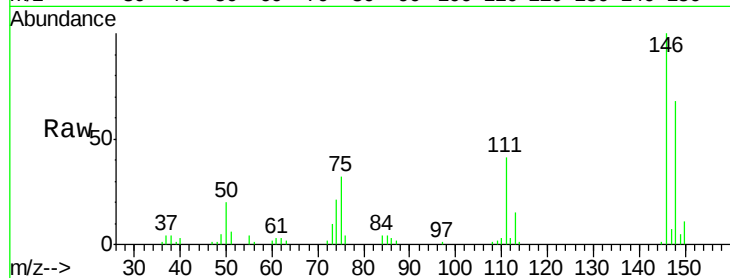




#13
 1,4-Dichlorobenzene
 Concen: 31.06 ng
 RT: 7.89 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

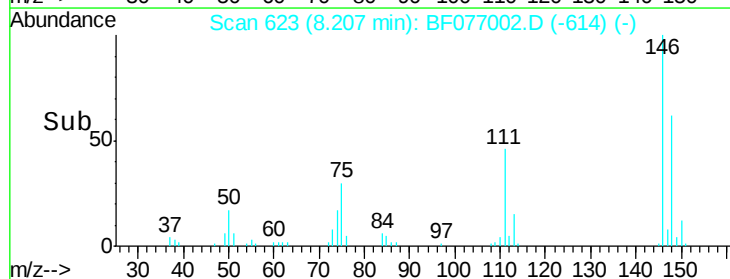
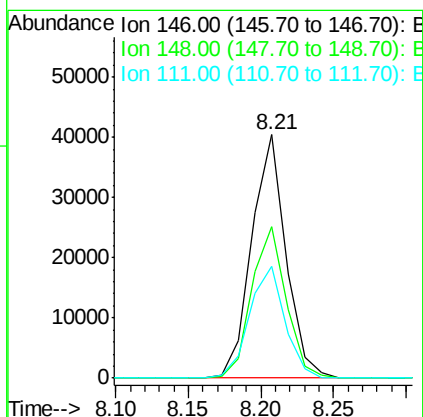
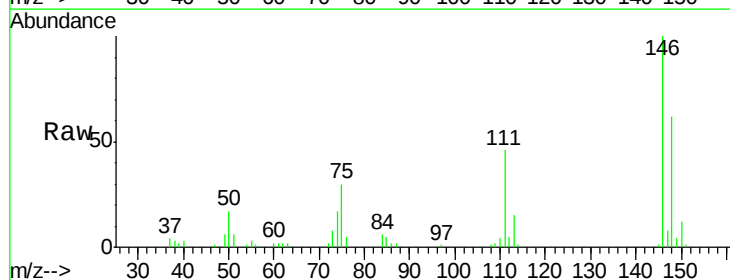
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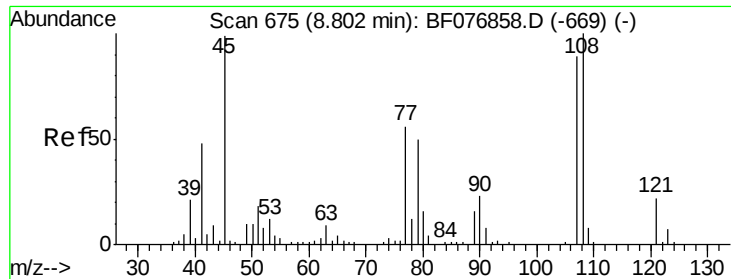
Tot Ion:146 Resp: 75189
 Ion Ratio Lower Upper
 146 100
 148 67.6 51.5 77.3
 111 41.5 33.9 50.9



#14
 1,2-Dichlorobenzene
 Concen: 29.64 ng
 RT: 8.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:146 Resp: 66110
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.3 76.9
 111 45.7 34.5 51.7

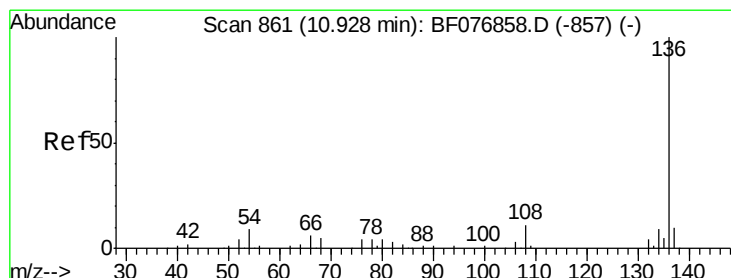
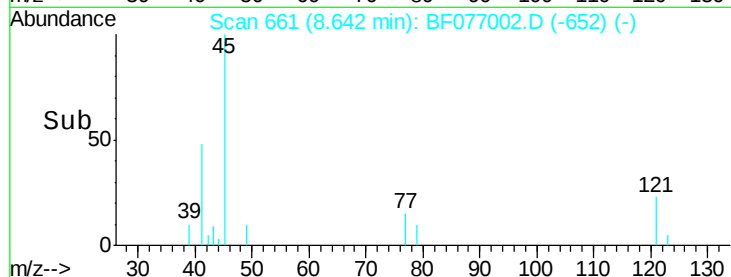
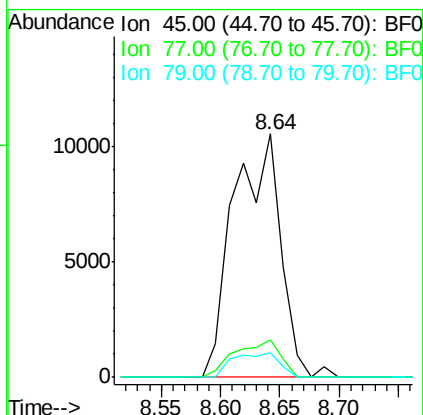
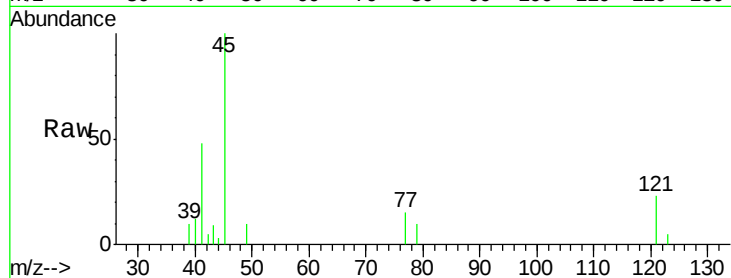




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 11.91 ng
 RT: 8.64 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

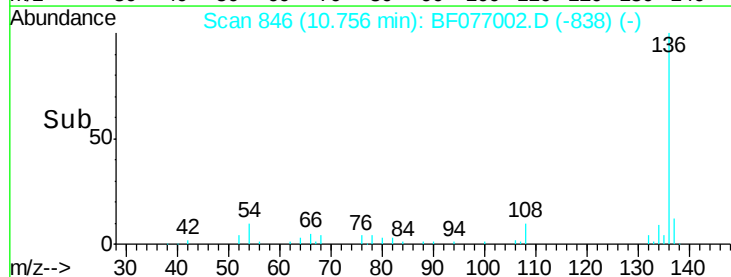
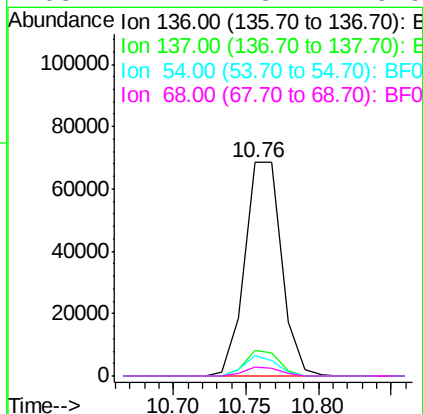
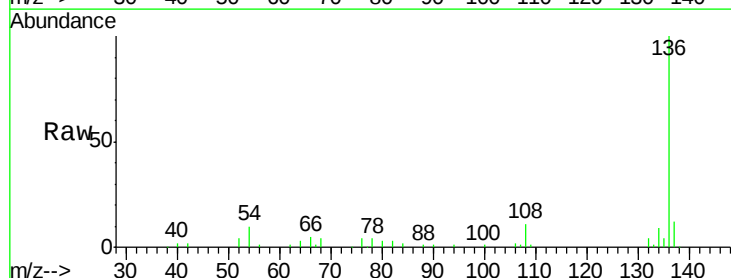
Instrument :
 BNA_F
 ClientSampled :

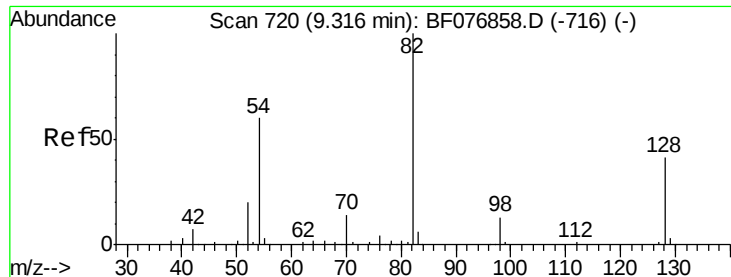
Tot Ion: 45 Resp: 29194
 Ion Ratio Lower Upper
 45 100
 77 15.2 36.1 76.1#
 79 10.4 30.5 70.5#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 10.76 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion: 136 Resp: 121106
 Ion Ratio Lower Upper
 136 100
 137 11.8 8.1 12.1
 54 9.7 7.0 10.4
 68 4.4 3.7 5.5

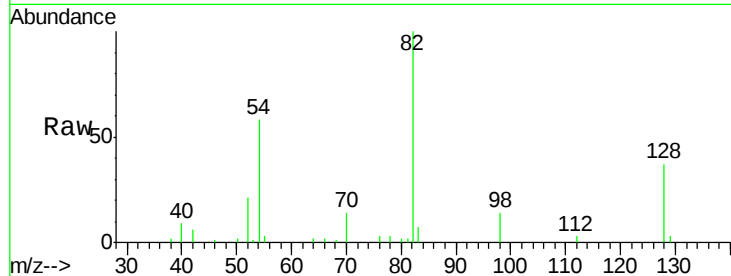




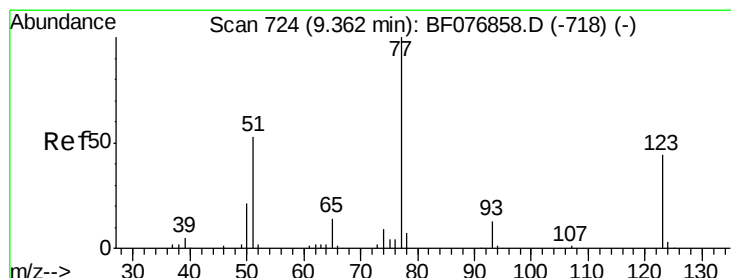
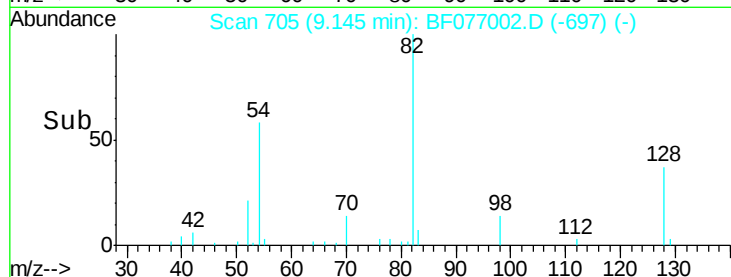
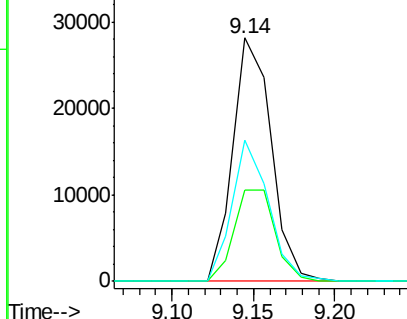
#23
Nitrobenzene-d5
Concen: 20.94 ng
RT: 9.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 45779
Ion Ratio Lower Upper
82 100
128 37.3 33.1 49.7
54 58.0 48.3 72.5

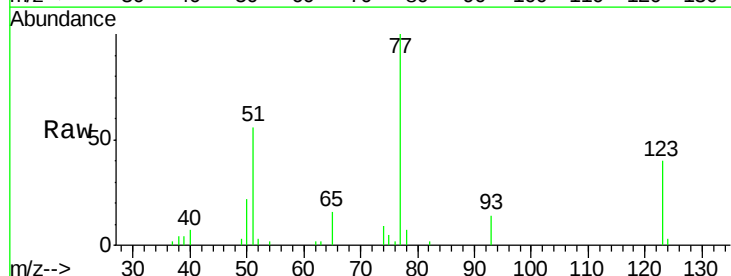


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

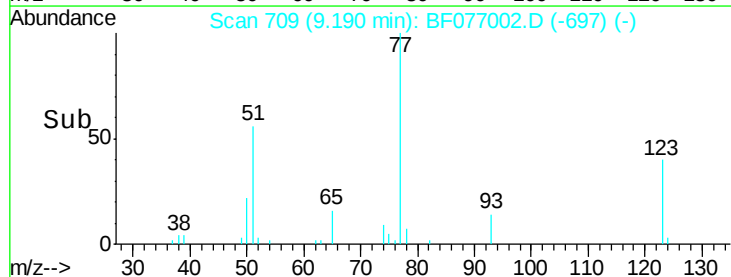
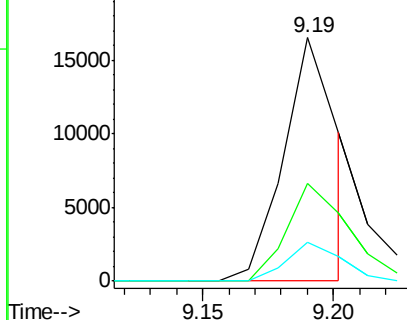


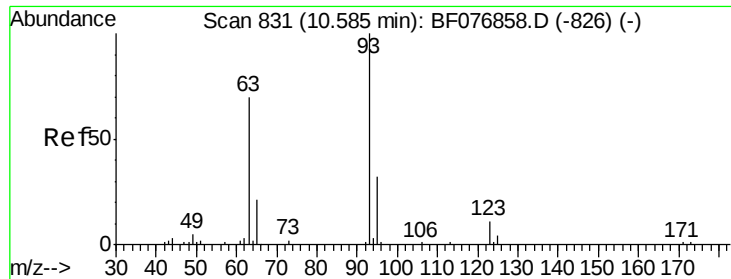
#24
Nitrobenzene
Concen: 10.51 ng
RT: 9.19 min Scan# 709
Delta R.T. 0.03 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion: 77 Resp: 23408
Ion Ratio Lower Upper
77 100
123 40.3 35.2 52.8
65 15.9 11.4 17.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0

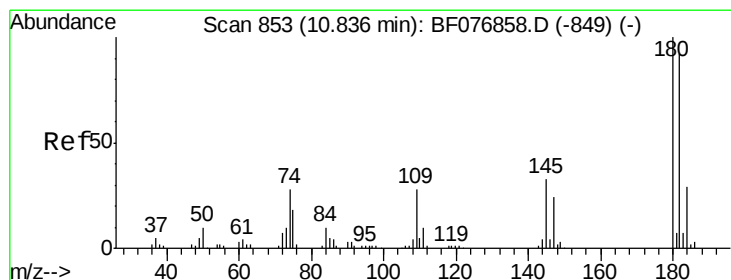
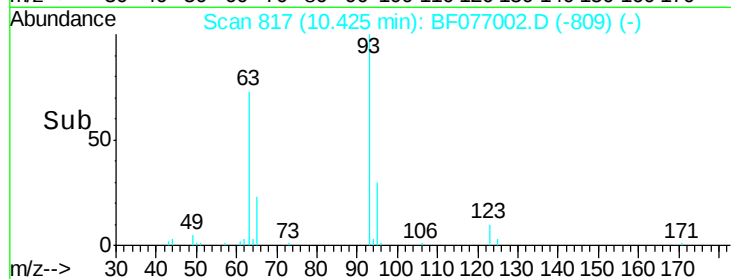
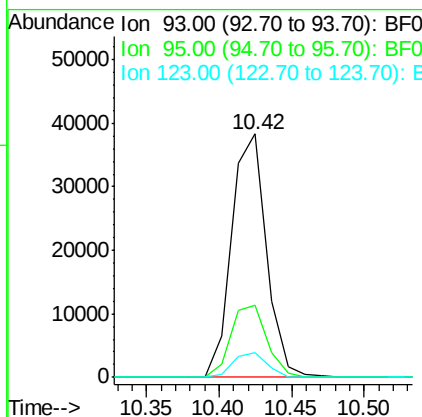
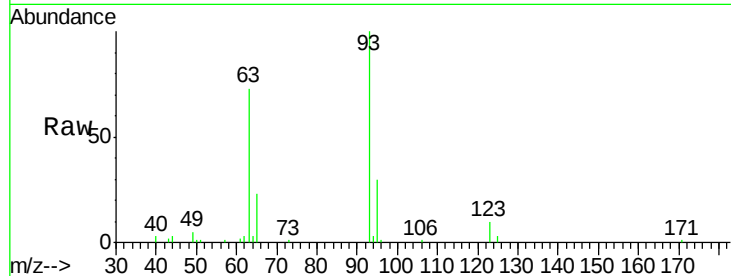




#28
bis(2-Chloroethoxy)methane
Concen: 28.15 ng
RT: 10.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

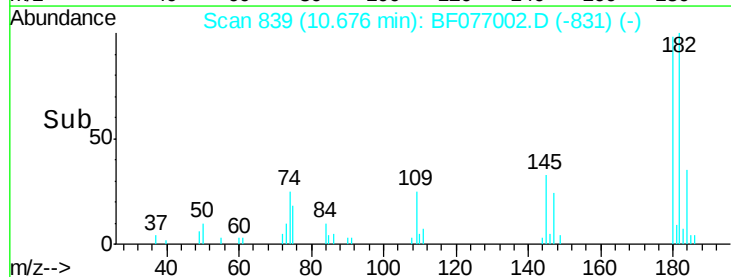
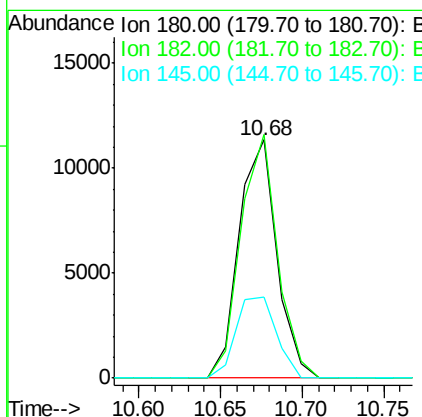
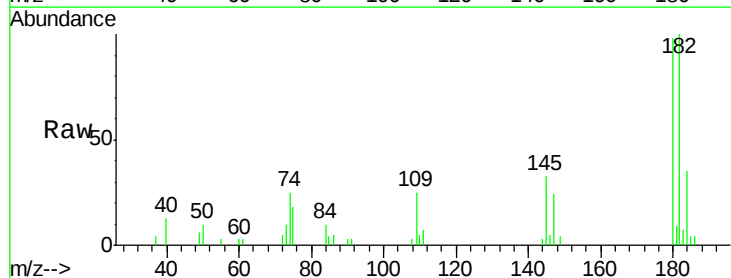
Instrument :
BNA_F
ClientSampled :

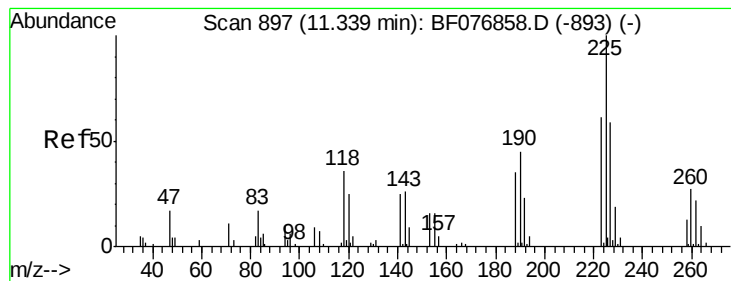
Tot Ion: 93 Resp: 63706
Ion Ratio Lower Upper
93 100
95 29.6 25.6 38.4
123 10.0 8.9 13.3



#30
1,2,4-Trichlorobenzene
Concen: 10.18 ng
RT: 10.68 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion: 180 Resp: 18155
Ion Ratio Lower Upper
180 100
182 102.3 73.6 110.4
145 34.0 26.6 39.8





#34

Hexachlorobutadiene

Concen: 24.85 ng

RT: 11.18 min Scan# 883

Delta R.T. -0.00 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

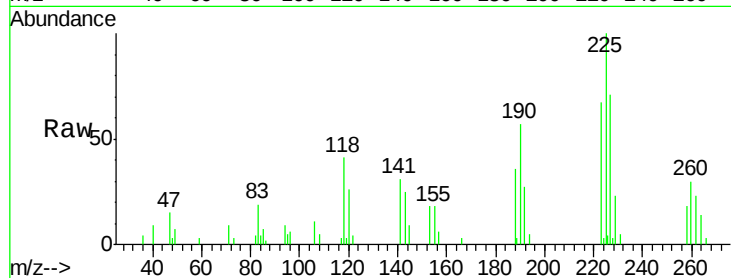
Tot Ion:225 Resp: 26283

Ion Ratio Lower Upper

225 100

223 67.2 49.1 73.7

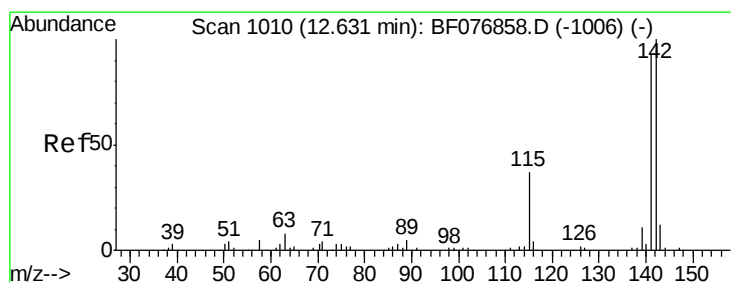
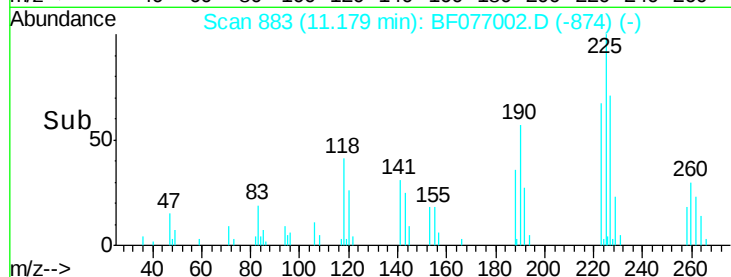
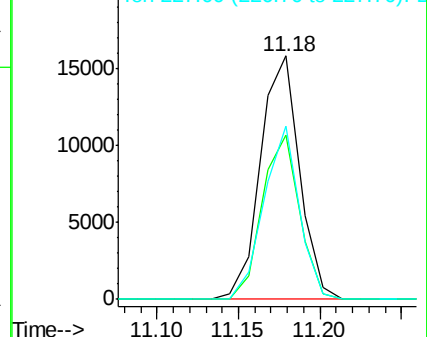
227 71.3 47.5 71.3#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 13.13 ng

RT: 12.47 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

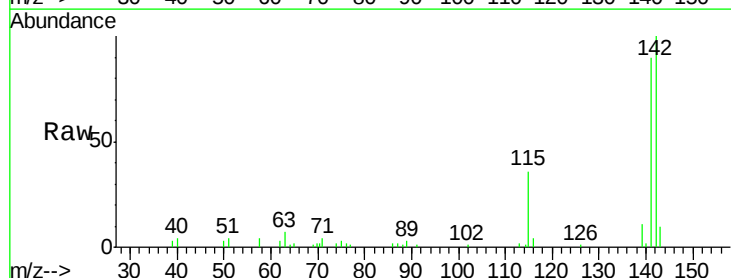
Tgt Ion:142 Resp: 55925

Ion Ratio Lower Upper

142 100

141 89.9 74.5 111.7

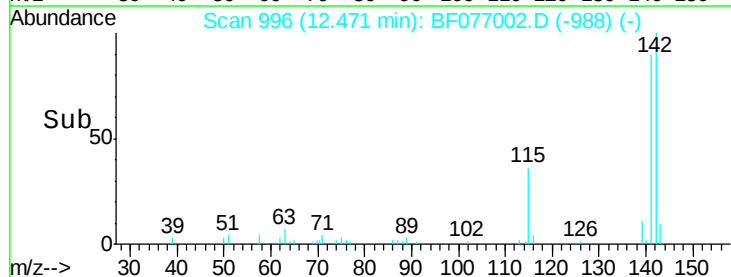
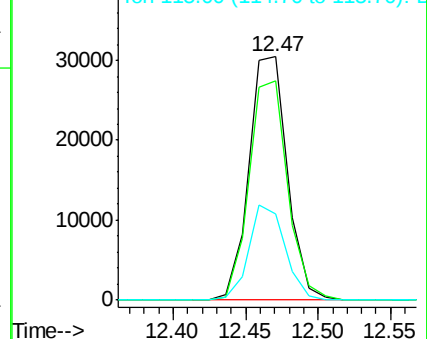
115 35.6 29.7 44.5

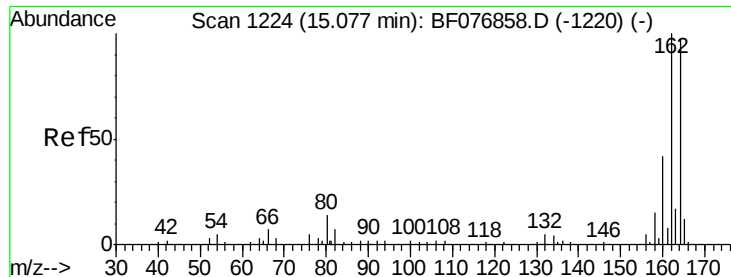


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

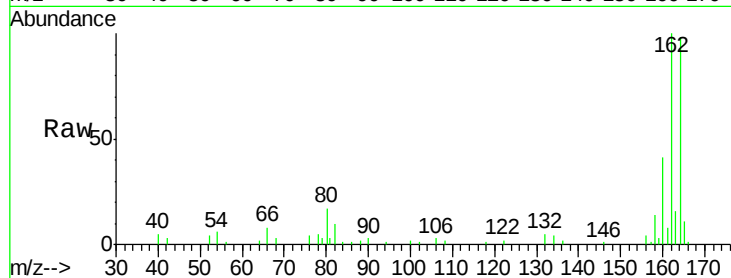




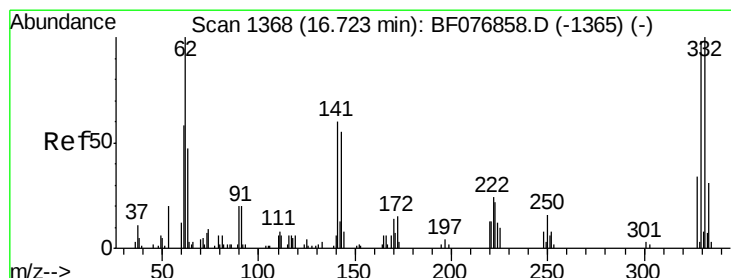
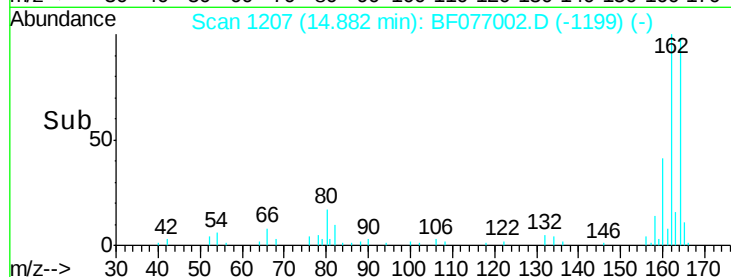
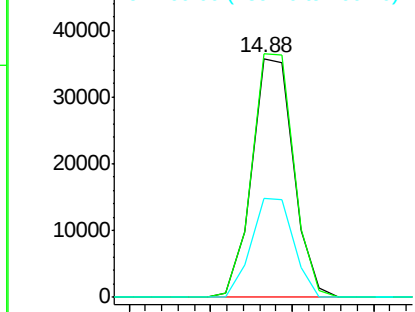
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 63435
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.4 123.6
 160 41.7 34.8 52.2

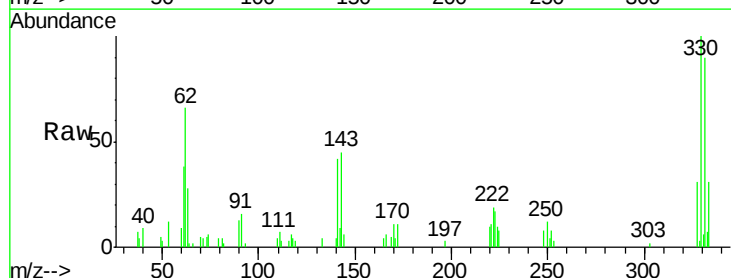


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

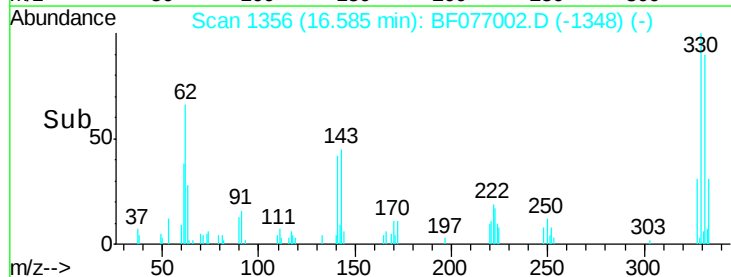
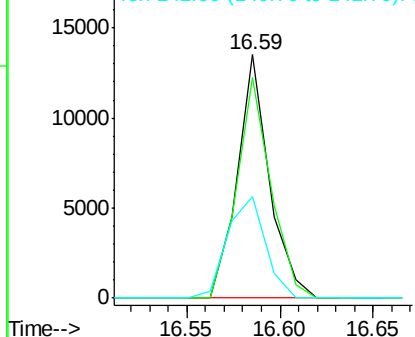


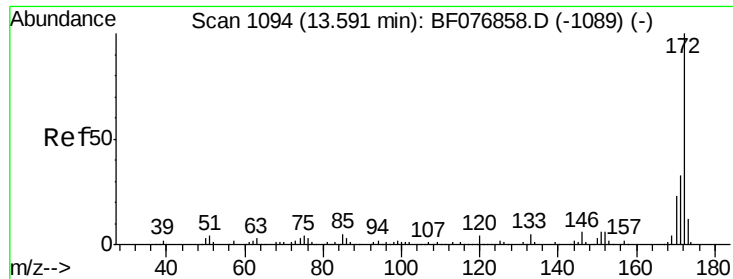
#41
 2,4,6-Tribromophenol
 Concen: 31.44 ng
 RT: 16.59 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:330 Resp: 16190
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.6
 141 49.2 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

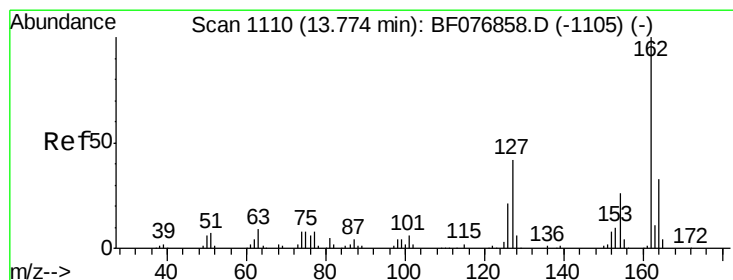
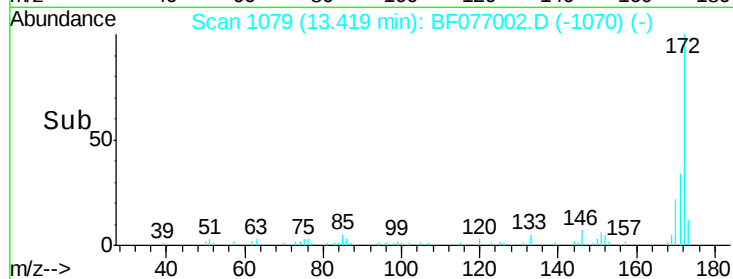
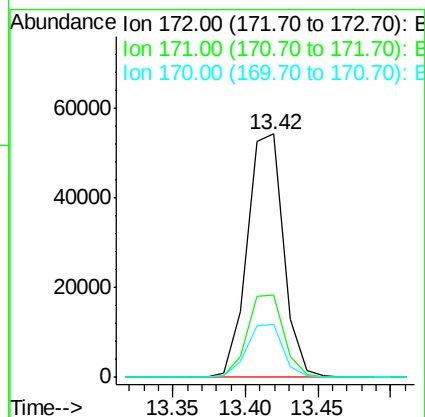
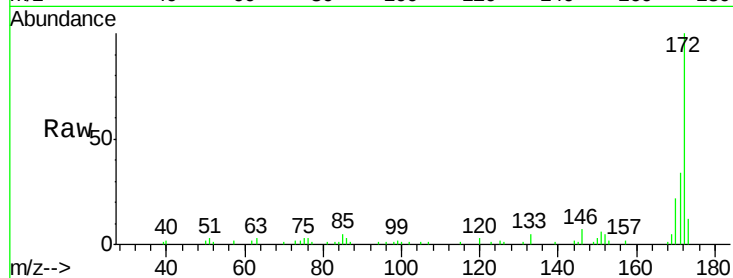




#44
 2-Fluorobiphenyl
 Concen: 22.58 ng
 RT: 13.42 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

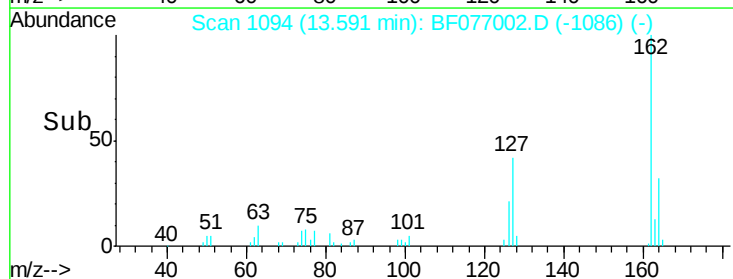
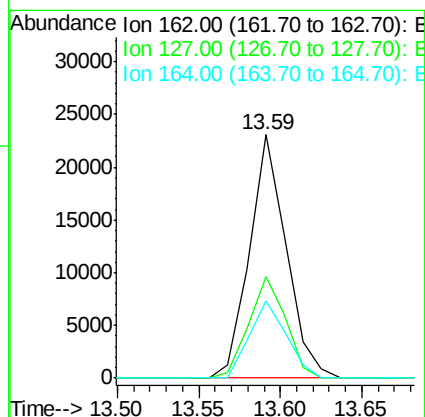
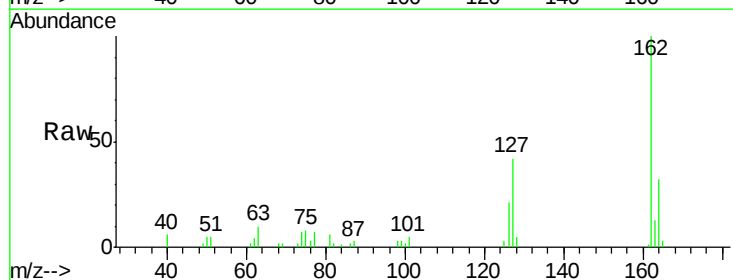
Instrument :
 BNA_F
 ClientSampleId :

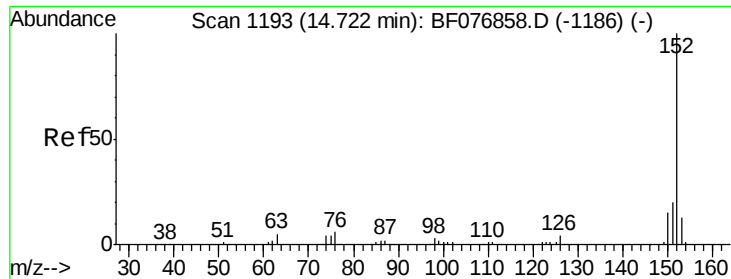
Tot Ion:172 Resp: 94131
 Ion Ratio Lower Upper
 172 100
 171 33.9 26.6 40.0
 170 21.8 18.0 27.0



#46
 2-Chloronaphthalene
 Concen: 9.34 ng
 RT: 13.59 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:162 Resp: 36152
 Ion Ratio Lower Upper
 162 100
 127 41.8 33.8 50.6
 164 31.8 26.8 40.2





#48

Acenaphthylene

Concen: 12.10 ng

RT: 14.54 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

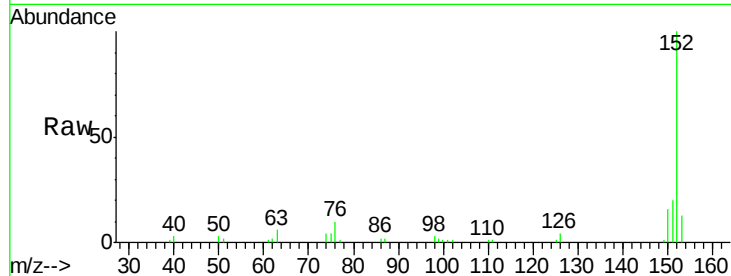
Tot Ion:152 Resp: 78998

Ion Ratio Lower Upper

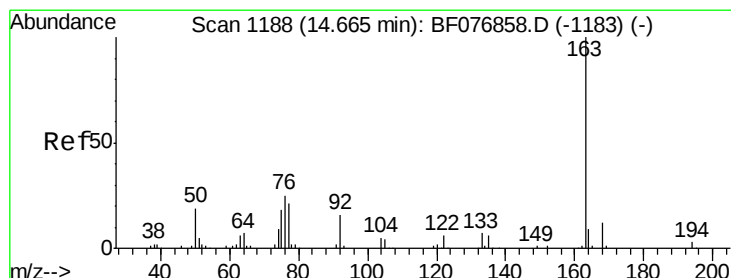
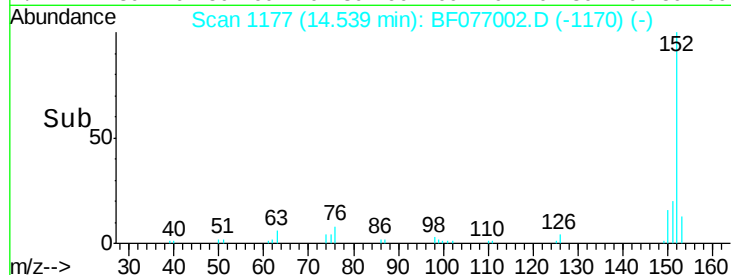
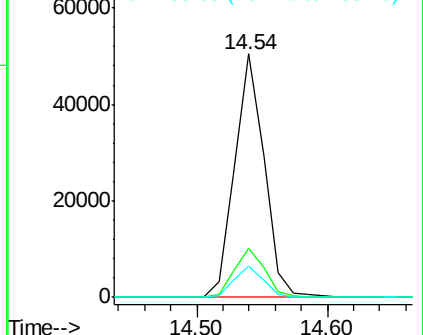
152 100

151 20.0 15.9 23.9

153 12.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 17.80 ng

RT: 14.48 min Scan# 1172

Delta R.T. -0.03 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

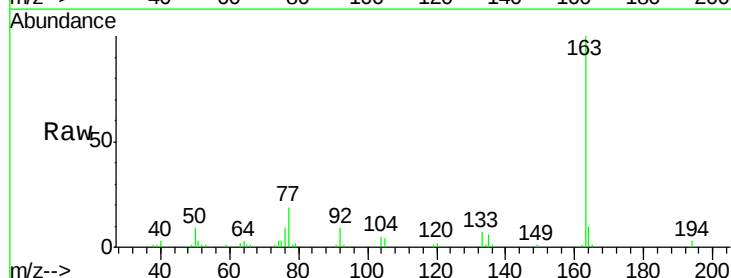
Tgt Ion:163 Resp: 80084

Ion Ratio Lower Upper

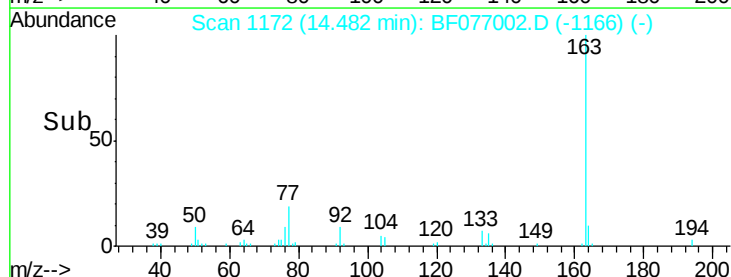
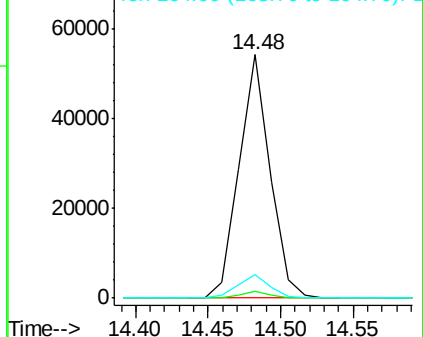
163 100

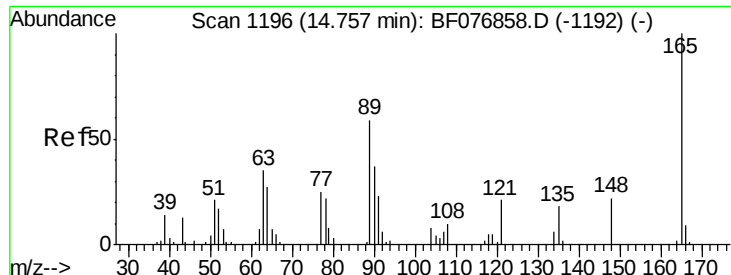
194 3.0 2.6 4.0

164 9.8 7.5 11.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

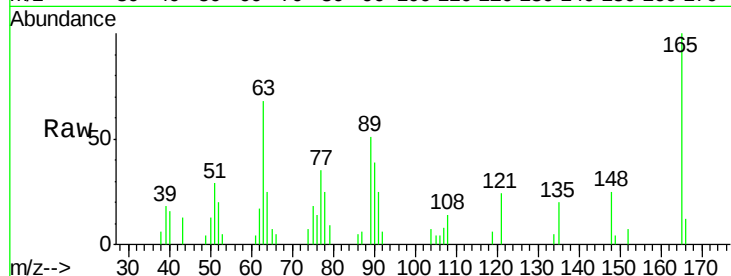




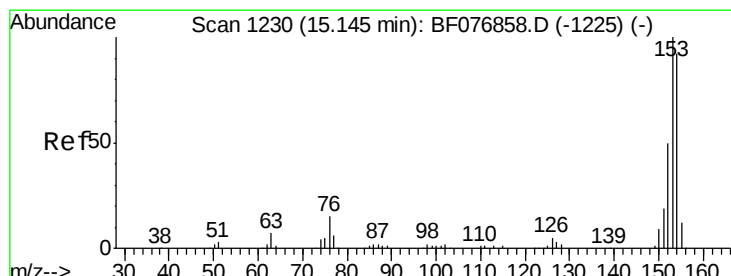
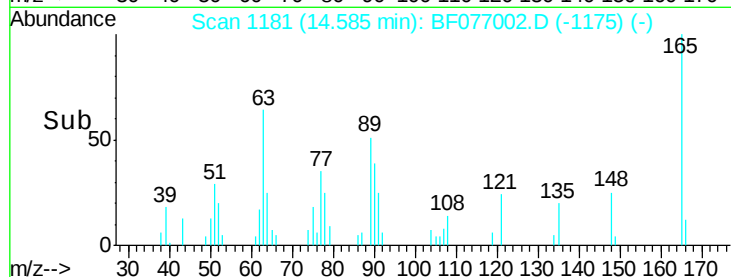
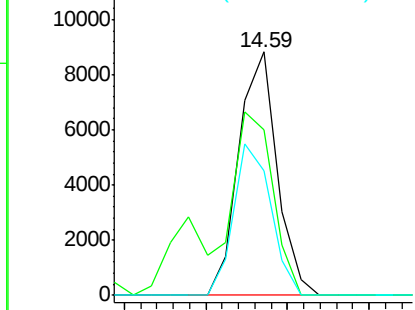
#50
 2,6-Dinitrotoluene
 Concen: 15.96 ng
 RT: 14.59 min Scan# 1181
 Delta R.T. -0.03 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 14349
 Ion Ratio Lower Upper
 165 100
 63 67.9 48.1 72.1
 89 51.3 47.2 70.8

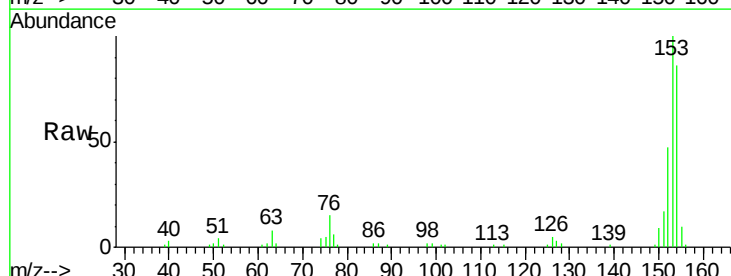


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

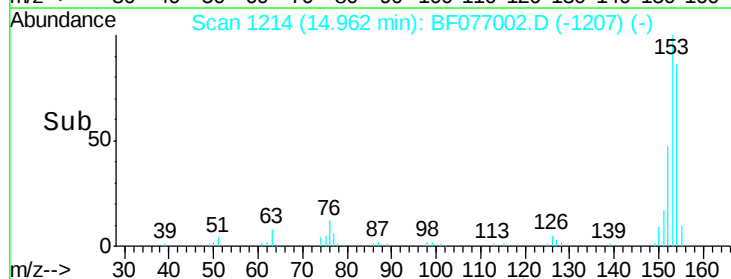
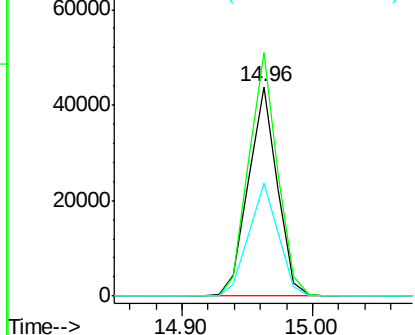


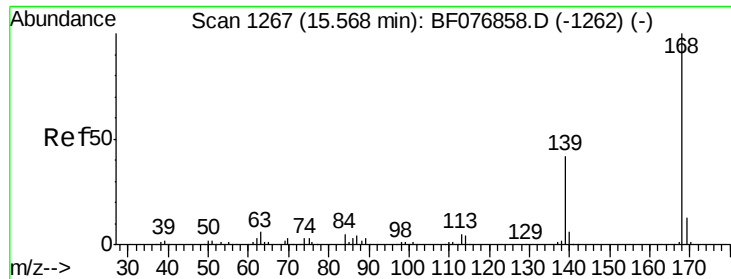
#51
 Acenaphthene
 Concen: 18.29 ng
 RT: 14.96 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:154 Resp: 67734
 Ion Ratio Lower Upper
 154 100
 153 116.4 87.0 130.6
 152 54.1 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

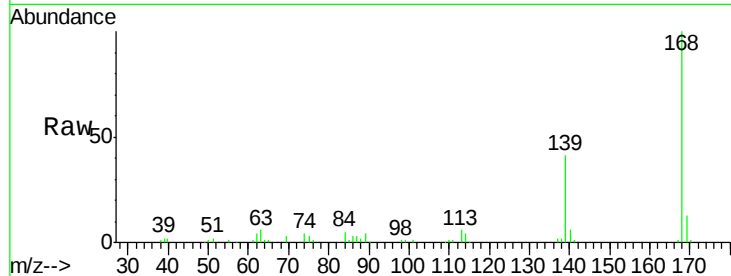




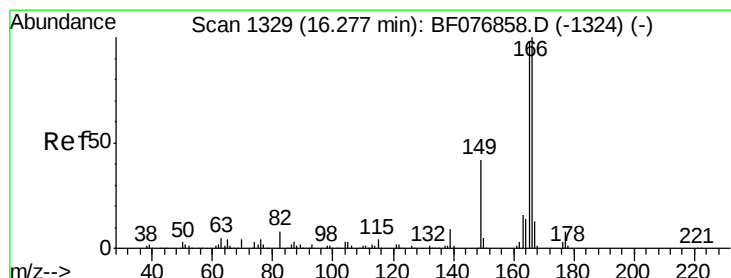
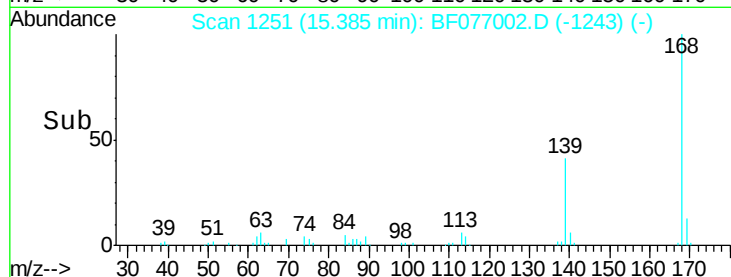
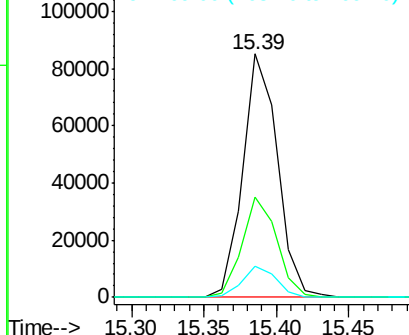
#54
Dibenzenofuran
Concen: 26.17 ng
RT: 15.39 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 141179
Ion Ratio Lower Upper
168 100
139 41.4 33.4 50.2
169 12.5 10.6 15.8

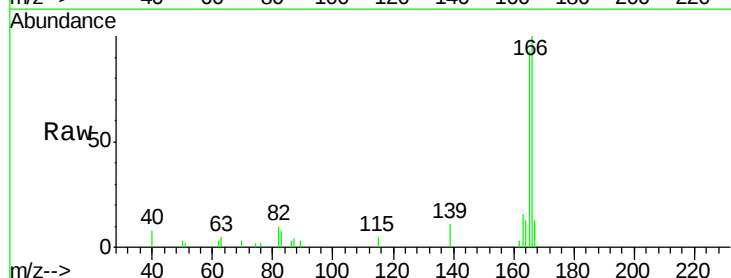


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

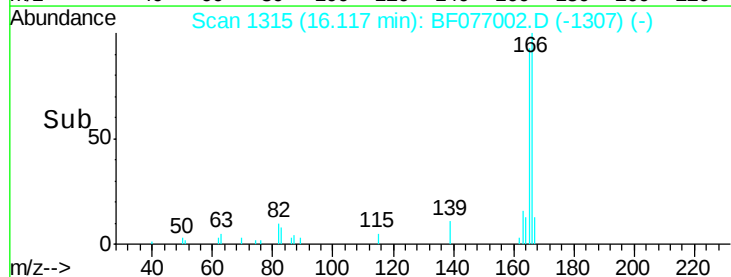
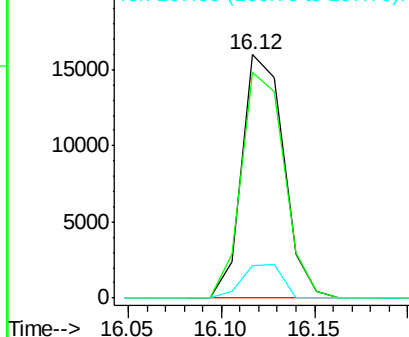


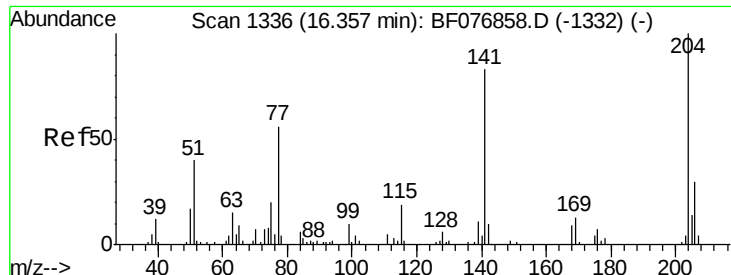
#57
Fluorene
Concen: 5.43 ng
RT: 16.12 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:166 Resp: 24808
Ion Ratio Lower Upper
166 100
165 92.6 78.5 117.7
167 13.4 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

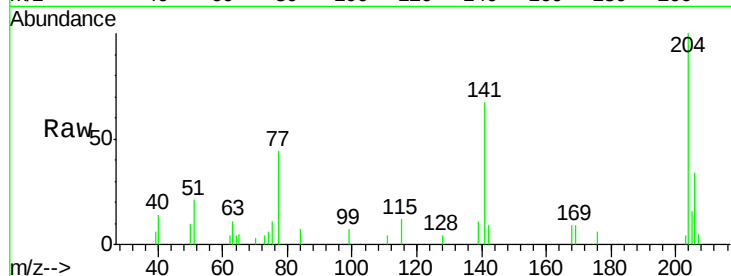




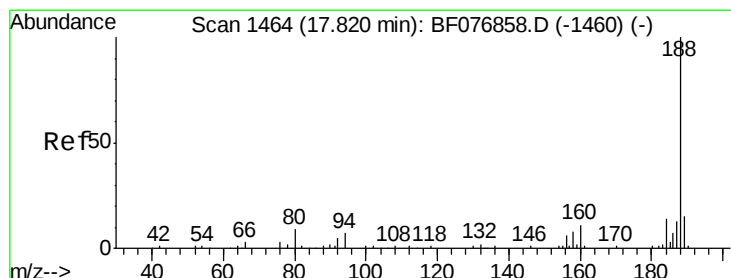
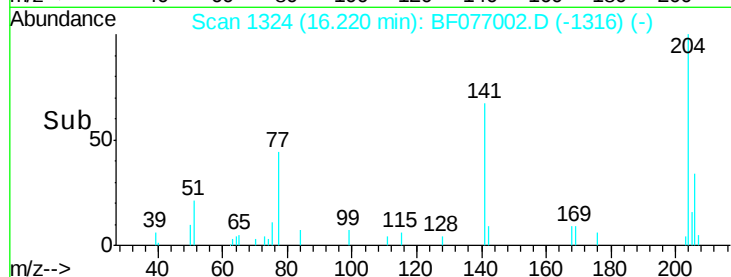
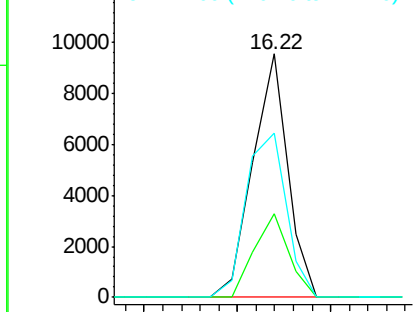
#60
4-Chlorophenyl-phenylether
Concen: 6.61 ng
RT: 16.22 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 12367
Ion Ratio Lower Upper
204 100
206 34.3 24.2 36.2
141 67.3 66.7 100.1

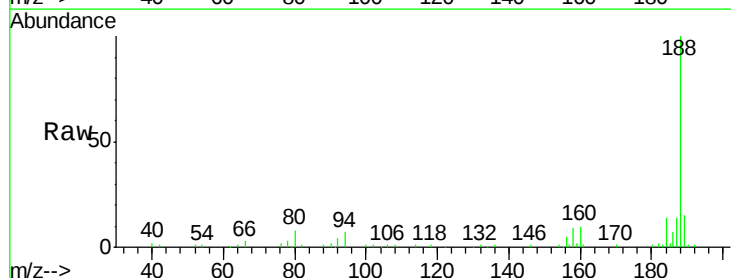


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

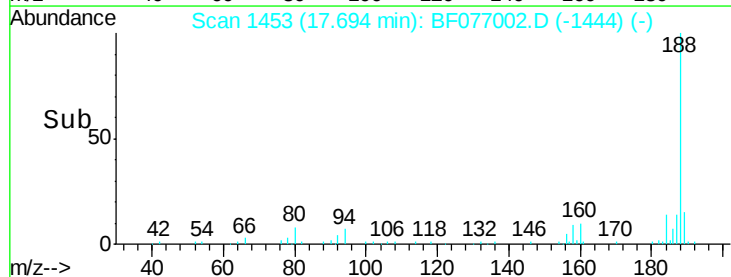
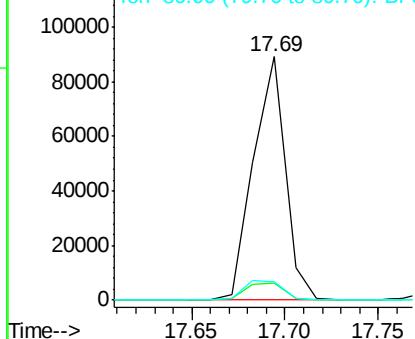


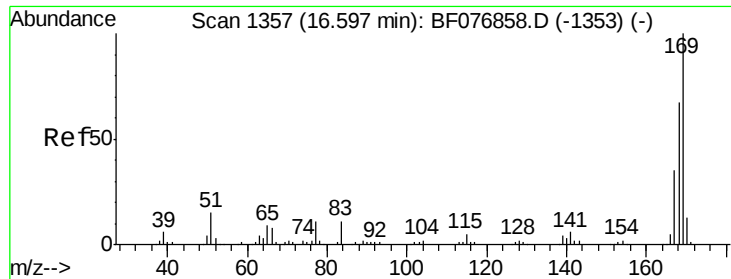
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.69 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:188 Resp: 105896
Ion Ratio Lower Upper
188 100
94 6.8 6.0 9.0
80 7.7 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

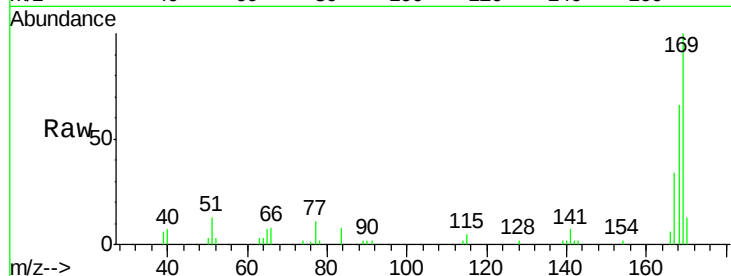




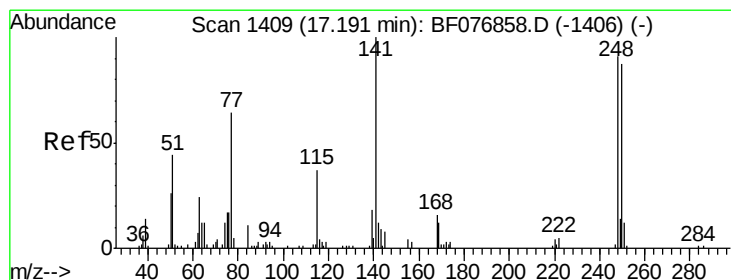
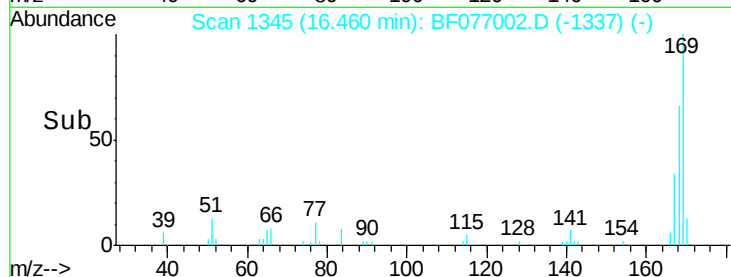
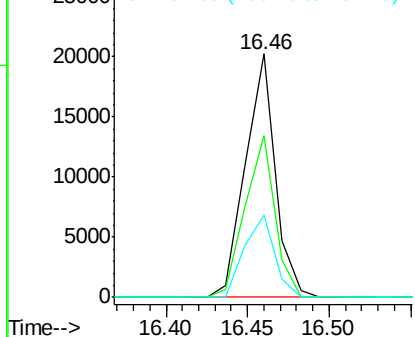
#65
 n-Nitrosodiphenylamine
 Concen: 6.81 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 25705
 Ion Ratio Lower Upper
 169 100
 168 66.5 53.8 80.6
 167 34.0 27.8 41.6

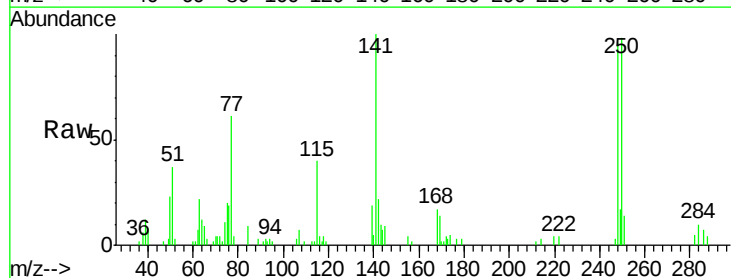


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

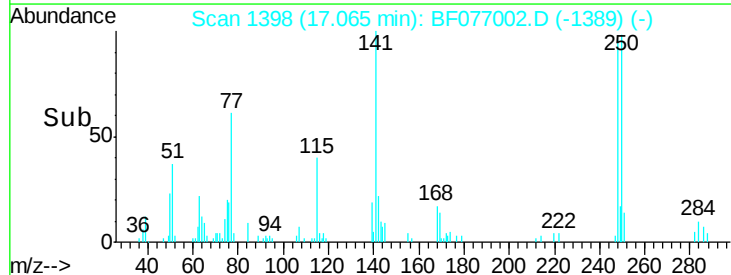
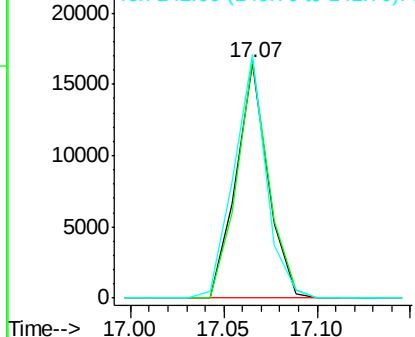


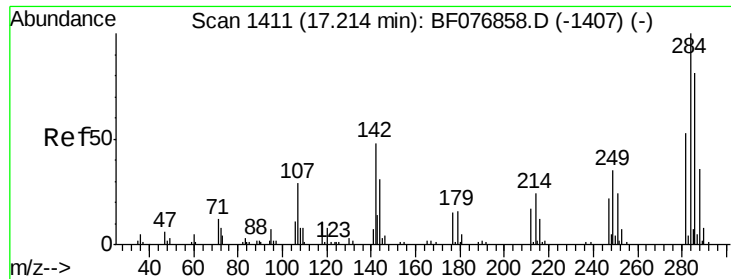
#66
 4-Bromophenyl-phenylether
 Concen: 18.27 ng
 RT: 17.07 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:248 Resp: 19603
 Ion Ratio Lower Upper
 248 100
 250 101.7 77.1 115.7
 141 103.7 88.2 132.4



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

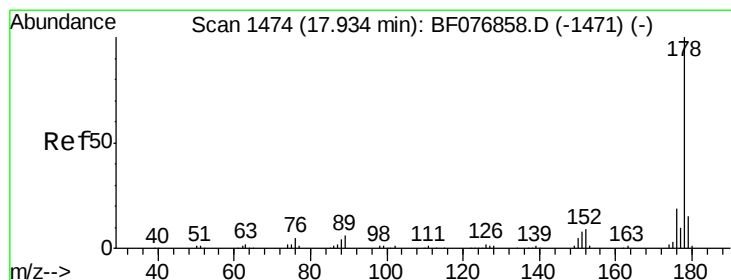
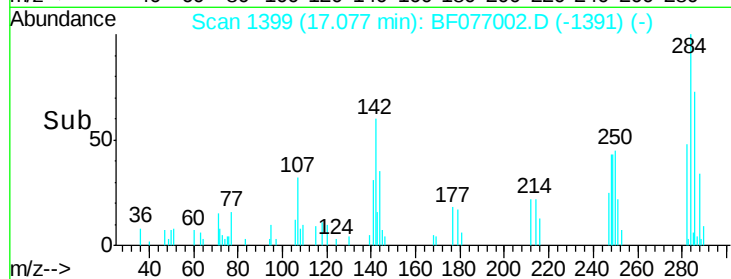
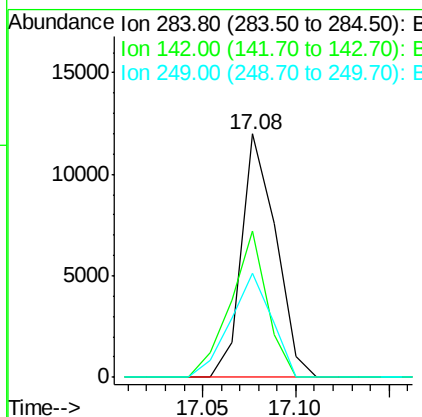
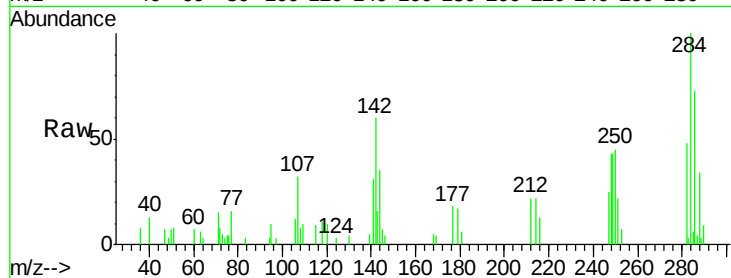




#67
Hexachlorobenzene
Concen: 13.52 ng
RT: 17.08 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

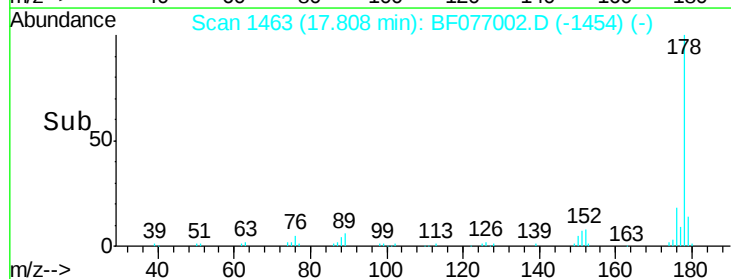
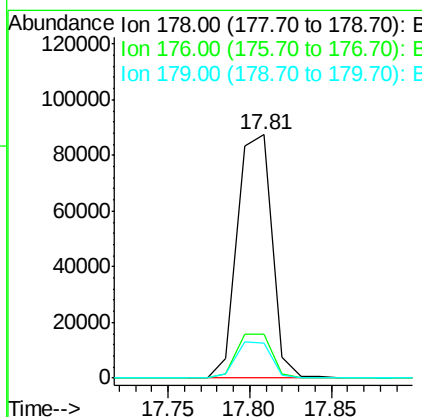
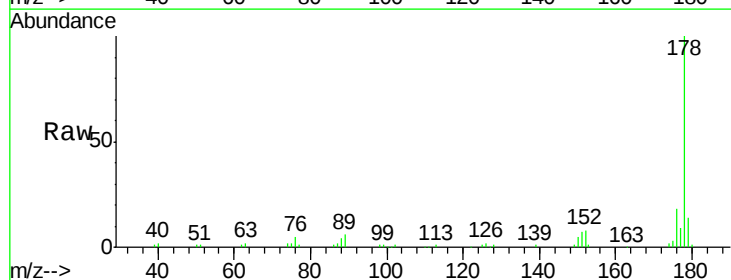
Instrument :
BNA_F
ClientSampleId :

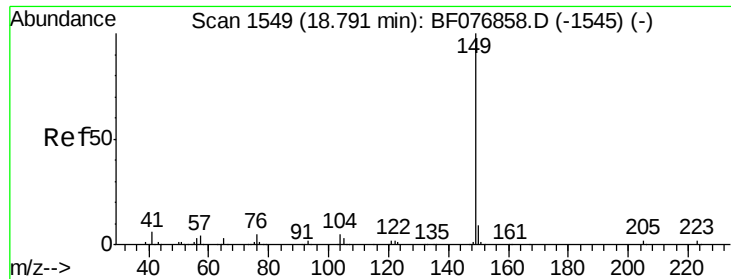
Tot Ion:284 Resp: 15291
Ion Ratio Lower Upper
284 100
142 60.2 38.2 57.4#
249 42.7 28.2 42.2#



#71
Anthracene
Concen: 19.86 ng
RT: 17.81 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:178 Resp: 127864
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 14.4 11.9 17.9





#73

Di-n-butylphthalate

Concen: 15.90 ng

RT: 18.68 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

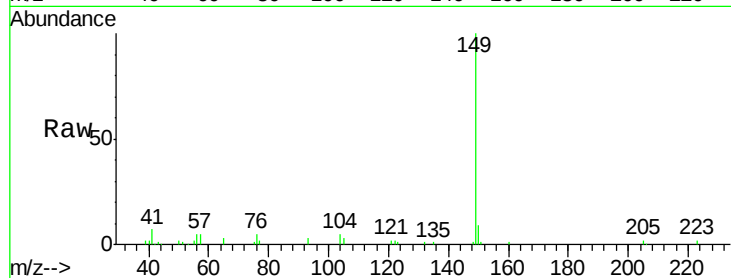
Tot Ion:149 Resp: 114945

Ion Ratio Lower Upper

149 100

150 8.9 6.9 10.3

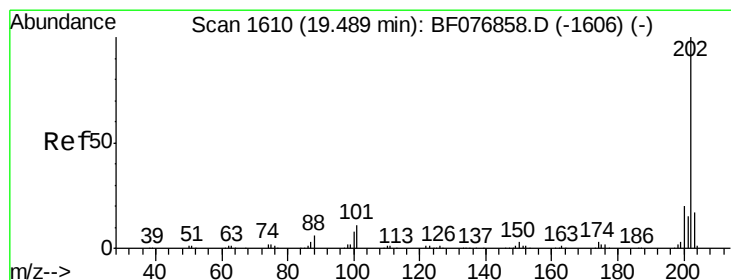
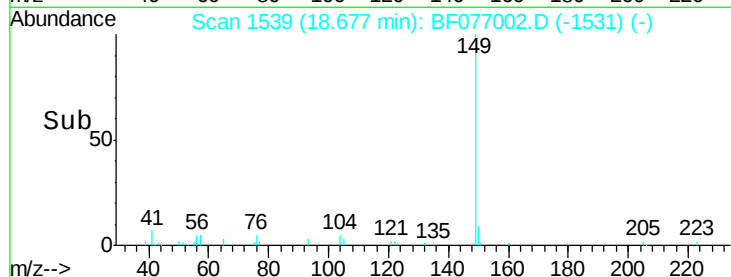
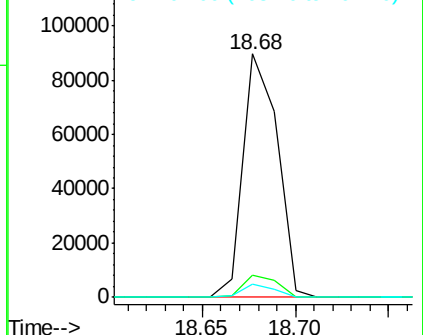
104 5.2 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 7.18 ng

RT: 19.37 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

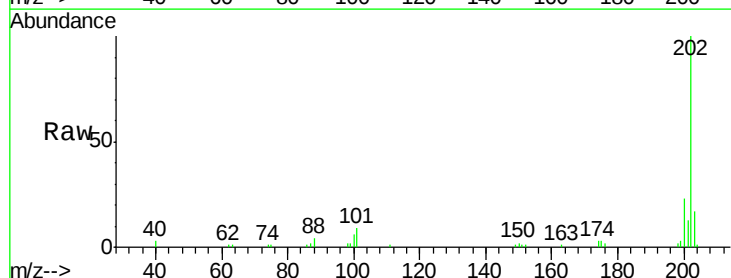
Tgt Ion:202 Resp: 48607

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.7

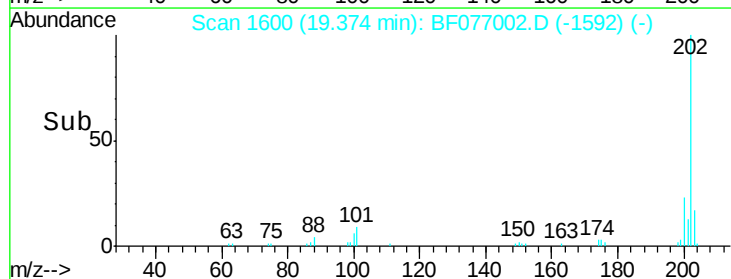
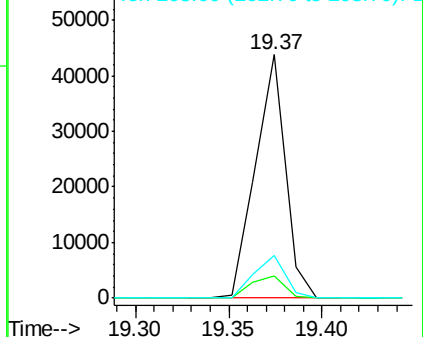
203 17.4 0.0 36.9

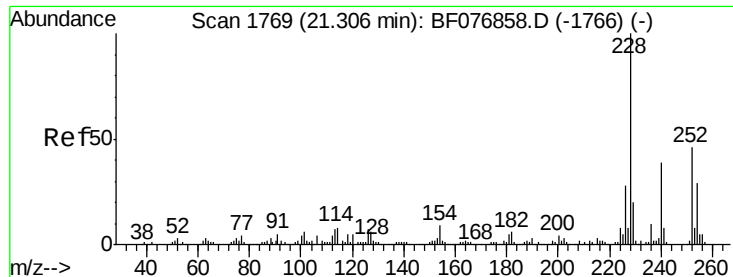


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.19 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

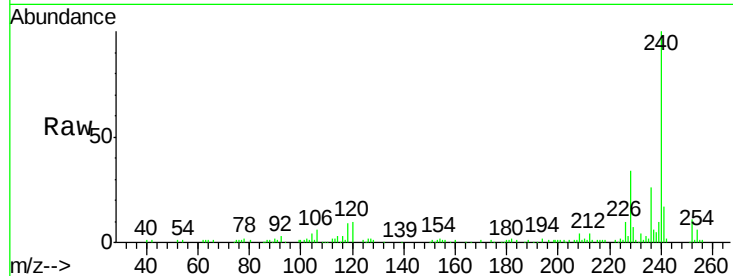
Tot Ion:240 Resp: 103016

Ion Ratio Lower Upper

240 100

120 9.9 10.4 15.6#

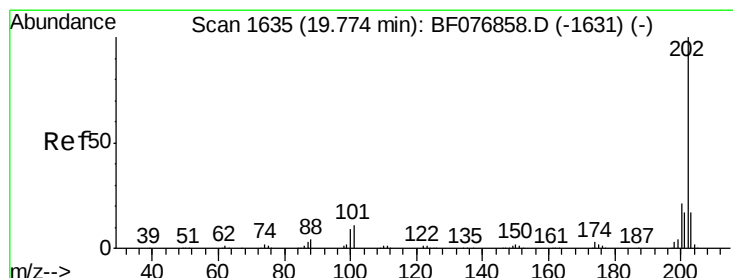
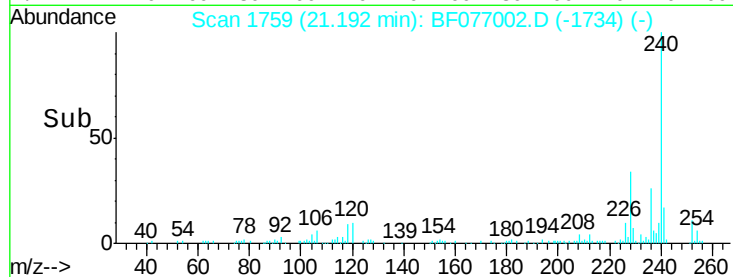
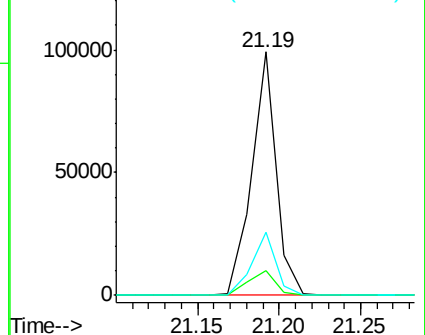
236 25.7 20.2 30.2



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



#77

Pyrene

Concen: 19.18 ng

RT: 19.65 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

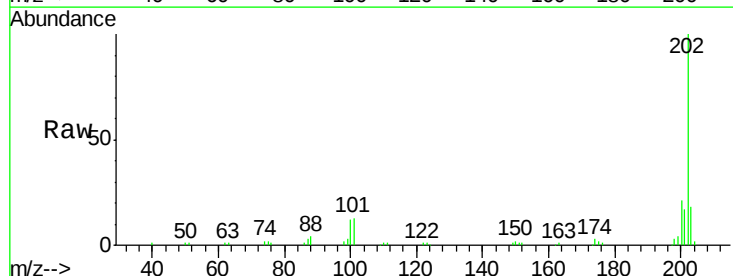
Tgt Ion:202 Resp: 135405

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

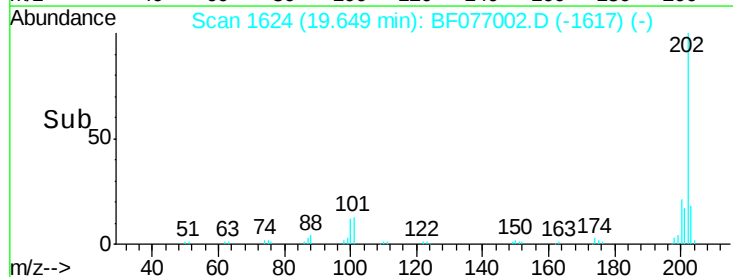
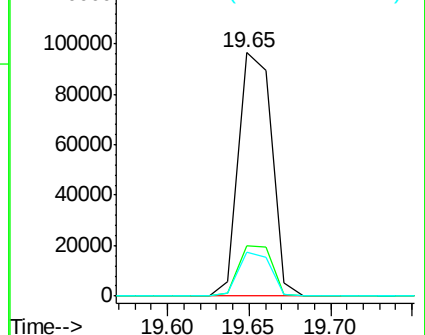
203 17.9 14.0 21.0

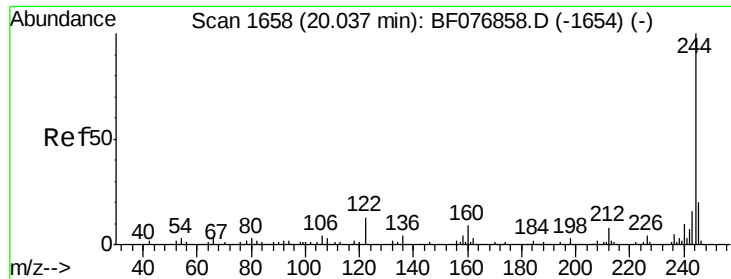


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

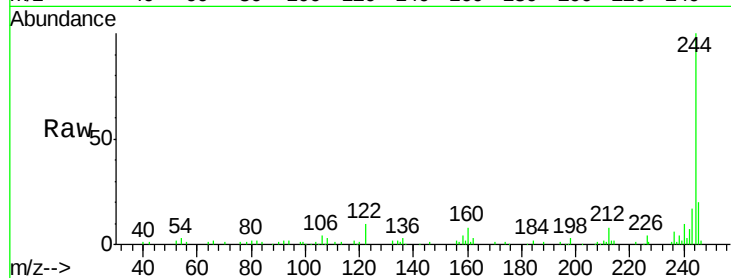




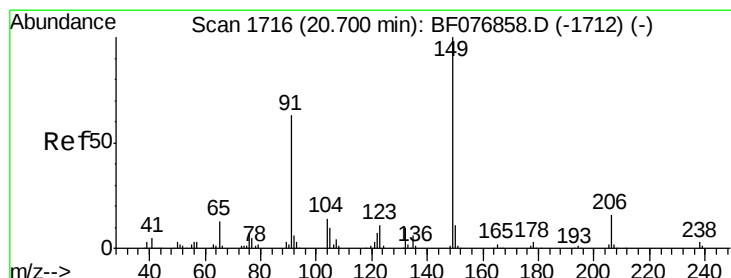
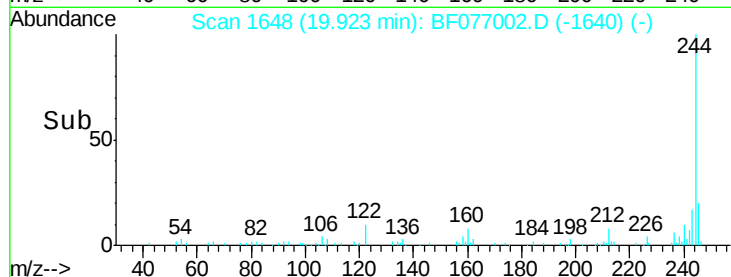
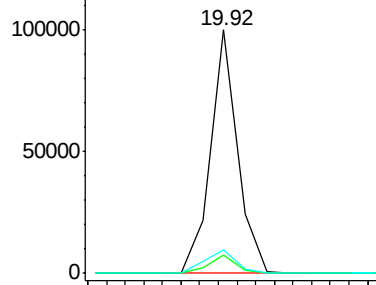
#78
 Terphenyl-d14
 Concen: 22.51 ng
 RT: 19.92 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 100732
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 9.6 10.1 15.1#

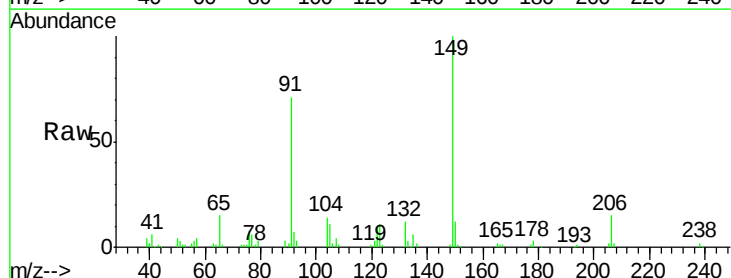


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

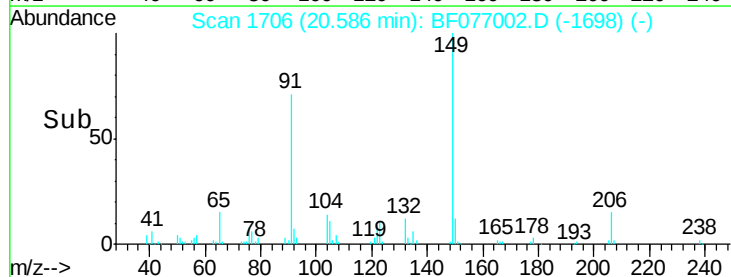
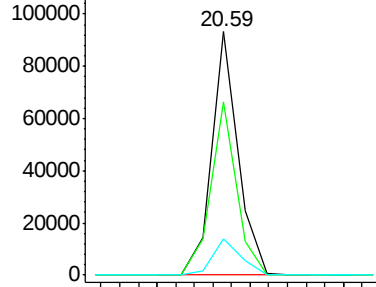


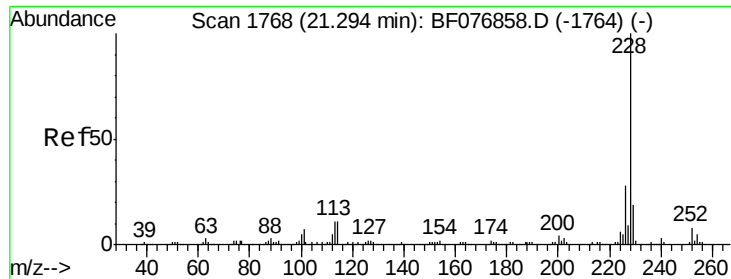
#79
 Butylbenzylphthalate
 Concen: 28.54 ng
 RT: 20.59 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BF077002.D
 Acq: 21 Jan 2015 18:41

Tgt Ion:149 Resp: 91251
 Ion Ratio Lower Upper
 149 100
 91 71.4 50.6 76.0
 206 14.9 12.8 19.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

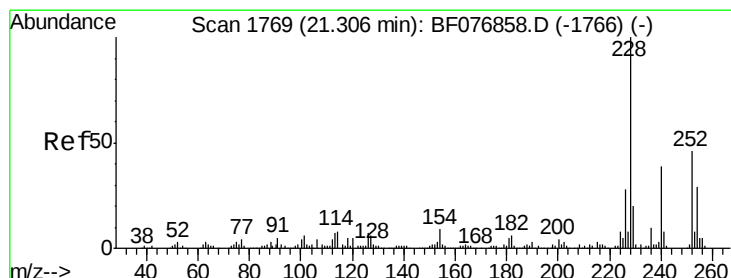
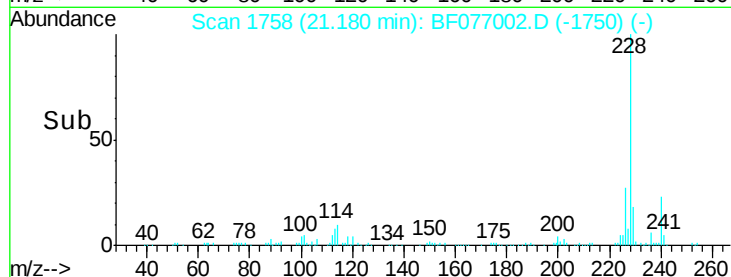
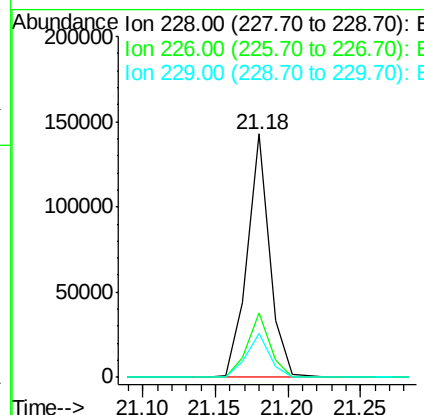
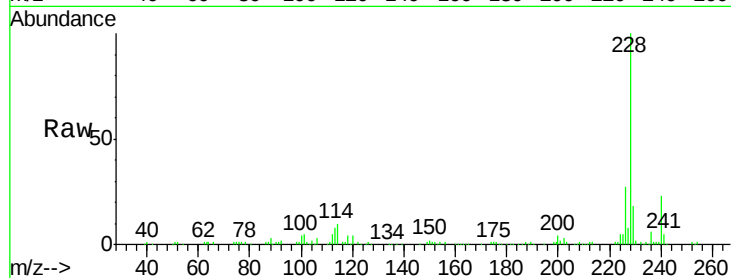




#80
Benzo(a)anthracene
Concen: 23.91 ng
RT: 21.18 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

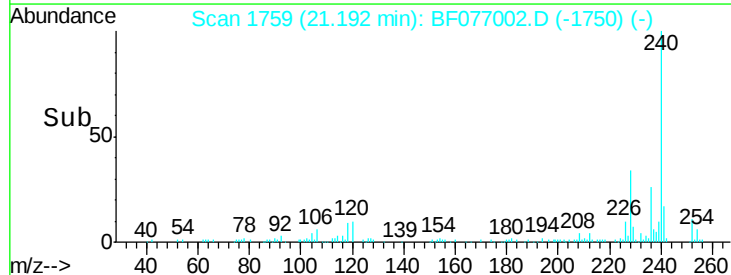
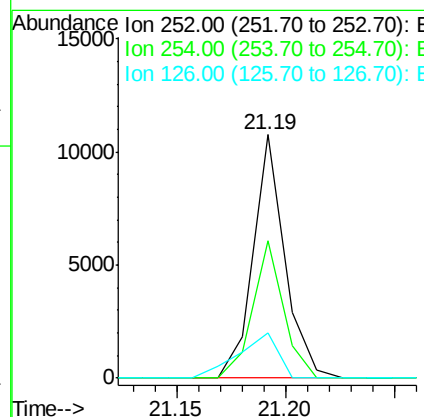
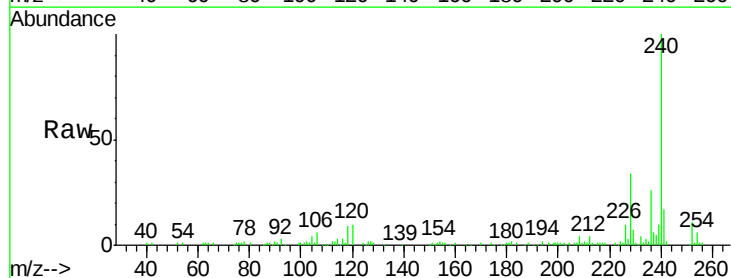
Instrument :
BNA_F
ClientSampleId :

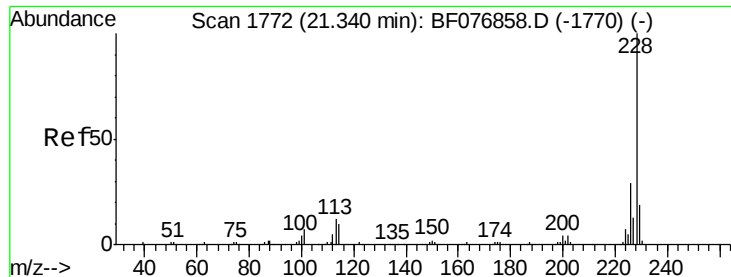
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	18.1	15.5	23.3



#81
3,3'-Dichlorobenzidine
Concen: 5.31 ng
RT: 21.19 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
254	56.4	50.2	75.4
126	18.5	11.5	17.3





#82

Chrysene

Concen: 26.22 ng

RT: 21.18 min Scan# 1758

Delta R.T. -0.06 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

Instrument :

BNA_F

ClientSampleId :

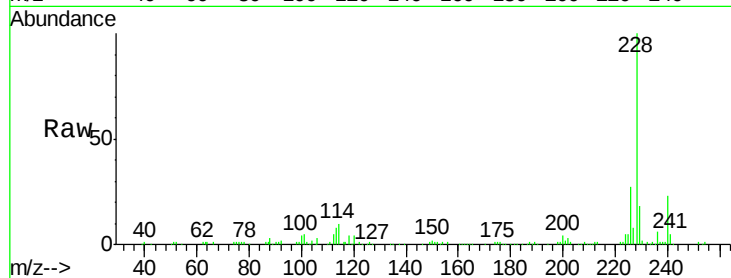
Tot Ion:228 Resp: 154544

Ion Ratio Lower Upper

228 100

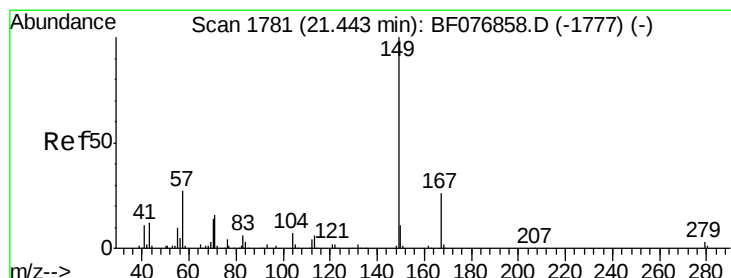
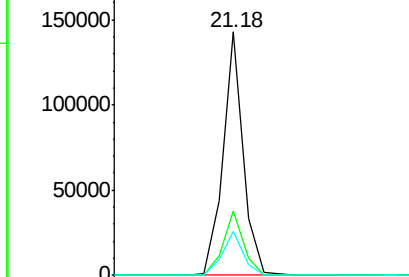
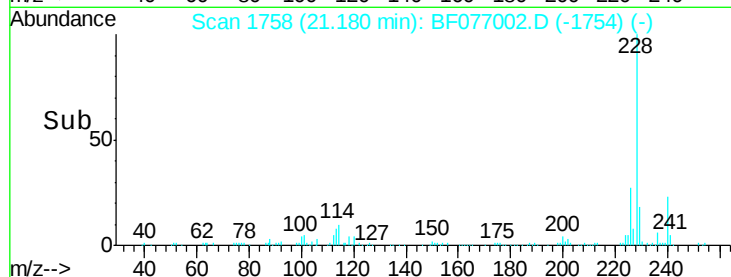
226 26.5 23.4 35.0

229 18.1 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

21.18



#83

Bis(2-ethylhexyl)phthalate

Concen: 34.19 ng

RT: 21.33 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF077002.D

Acq: 21 Jan 2015 18:41

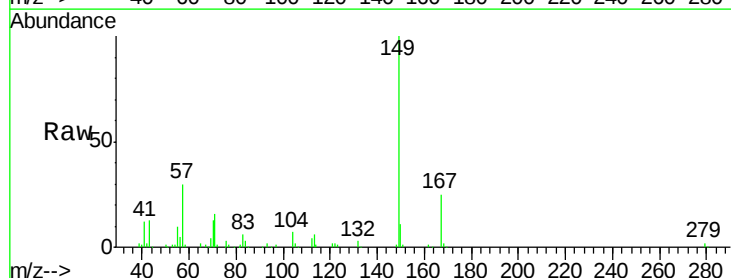
Tgt Ion:149 Resp: 151275

Ion Ratio Lower Upper

149 100

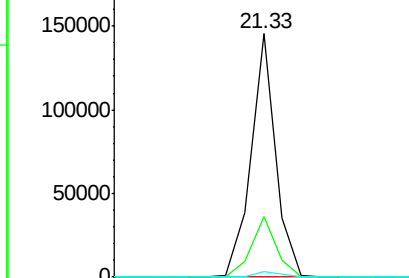
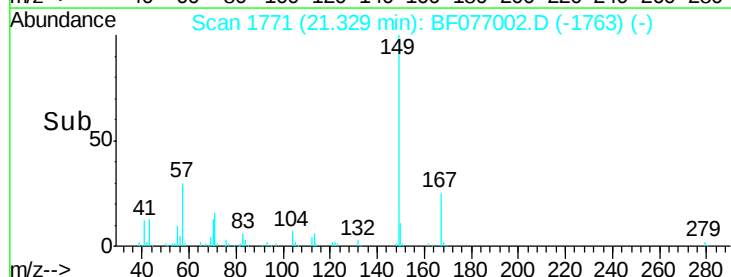
167 25.1 20.6 30.8

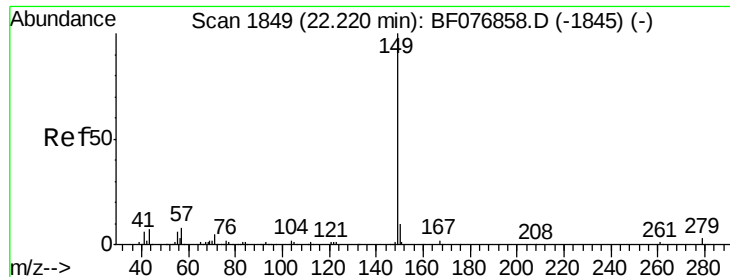
279 2.3 2.2 3.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

21.33

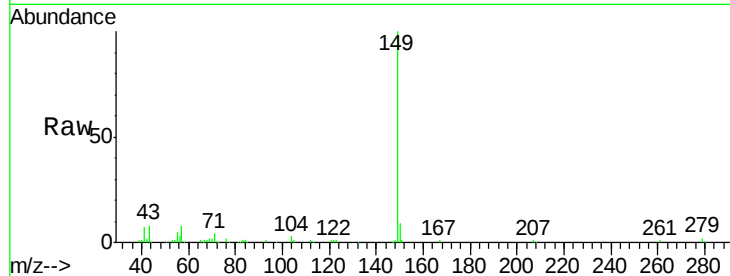




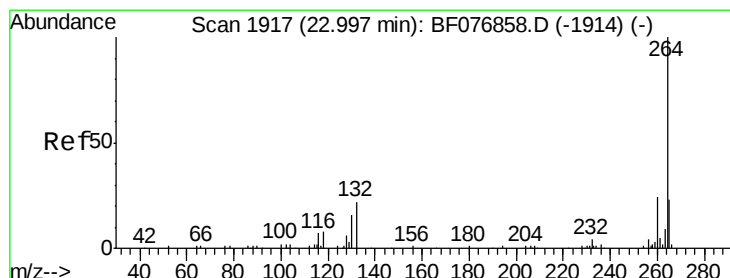
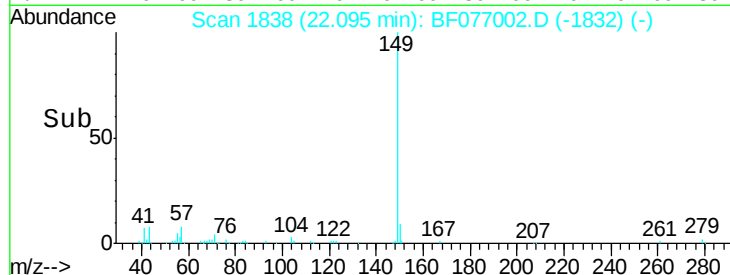
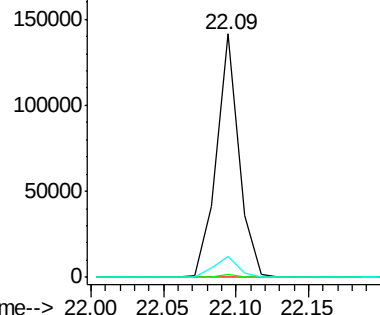
#84
Di-n-octyl phthalate
Concen: 19.82 ng
RT: 22.09 min Scan# 1838
Delta R.T. -0.03 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 152178
Ion Ratio Lower Upper
149 100
167 1.3 1.1 1.7
43 9.1 6.6 10.0

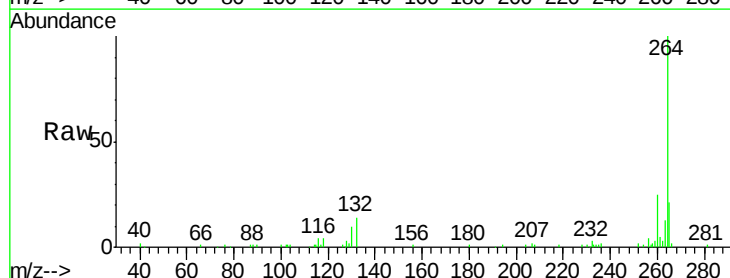


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): E

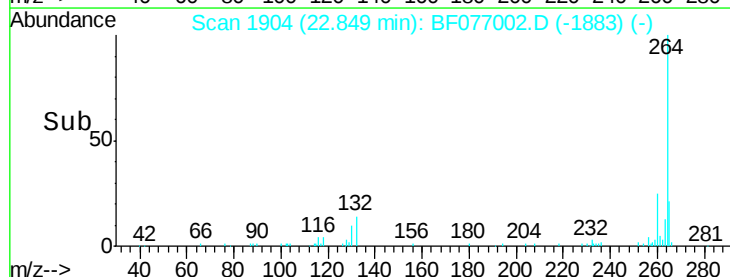
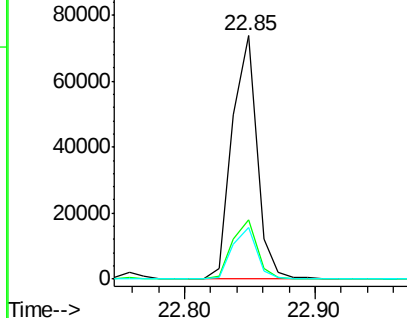


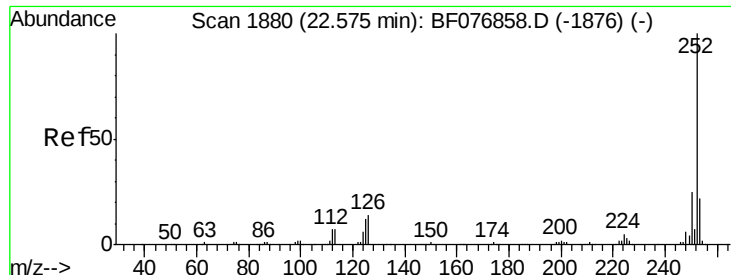
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.85 min Scan# 1904
Delta R.T. -0.06 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:264 Resp: 97371
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.4
265 21.0 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

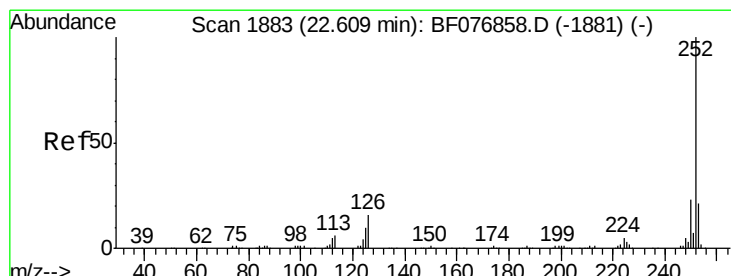
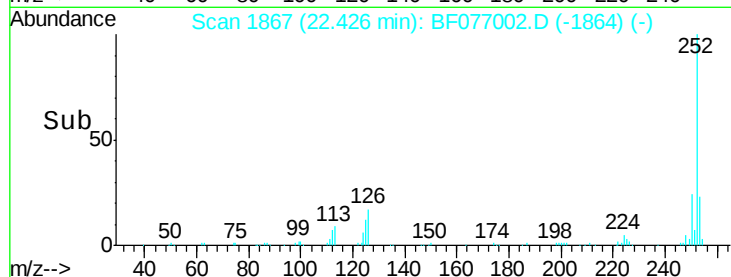
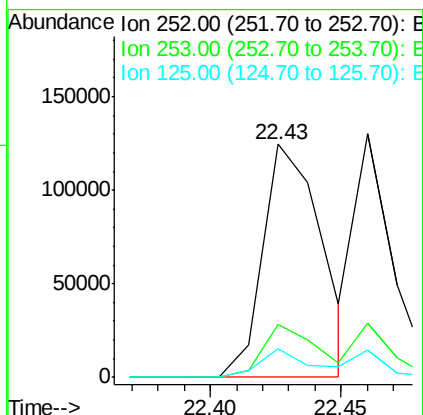
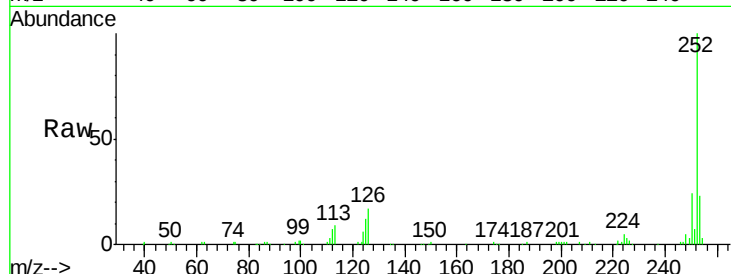




#87
Benzo(b)fluoranthene
Concen: 29.77 ng
RT: 22.43 min Scan# 1867
Delta R.T. -0.07 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

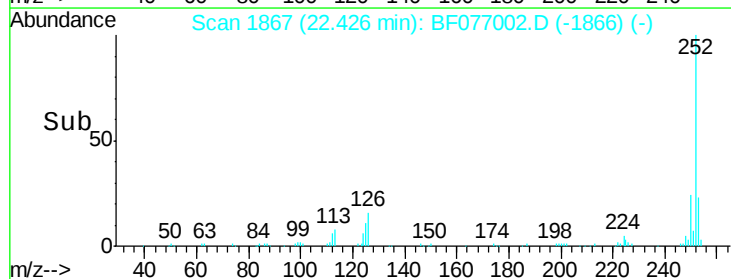
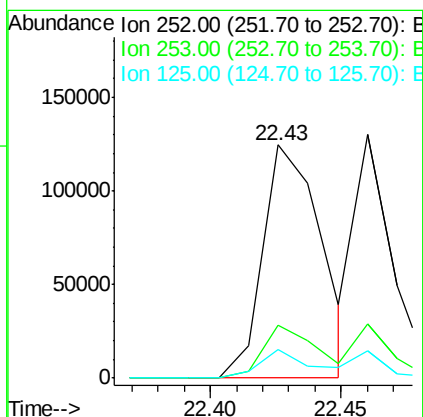
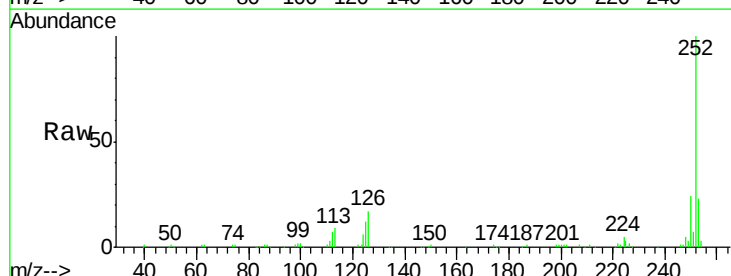
Instrument :
BNA_F
ClientSampleId :

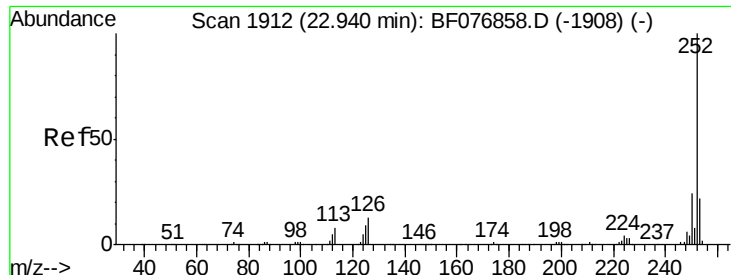
Tot Ion:252 Resp: 195234
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 12.3 9.4 14.0



#88
Benzo(k)fluoranthene
Concen: 34.07 ng
RT: 22.43 min Scan# 1867
Delta R.T. -0.09 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:252 Resp: 195234
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.3 7.1 10.7#

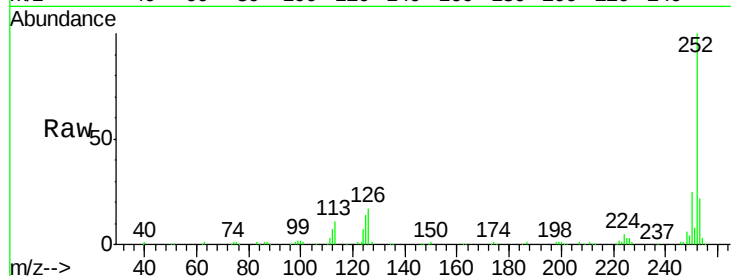




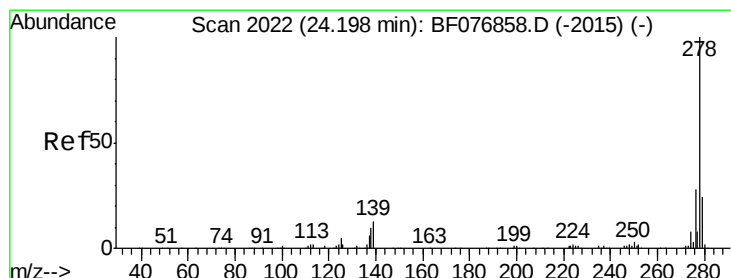
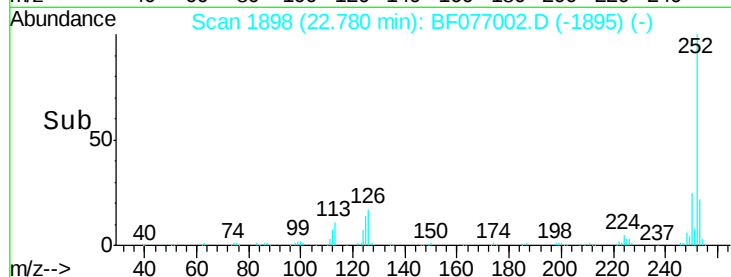
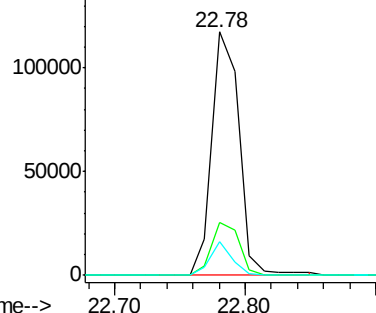
#89
Benzo(a)pyrene
Concen: 29.63 ng
RT: 22.78 min Scan# 1898
Delta R.T. -0.07 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 171386
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 13.8 7.2 10.8#

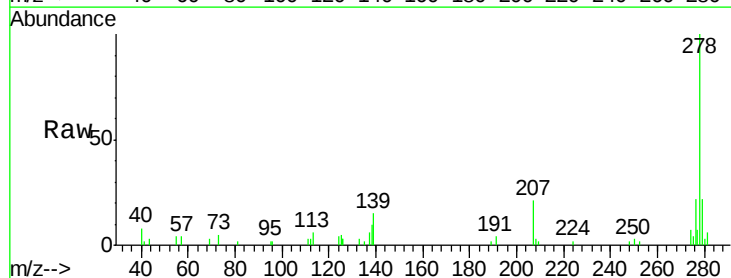


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 4.36 ng
RT: 23.98 min Scan# 2003
Delta R.T. -0.11 min
Lab File: BF077002.D
Acq: 21 Jan 2015 18:41

Tgt Ion:278 Resp: 23128
Ion Ratio Lower Upper
278 100
139 15.5 10.5 15.7
279 22.3 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

