

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103964.D
 Acq On : 27 Mar 2018 9:26
 Operator : JU/SJ
 Sample : J2040-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 27 11:53:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	143890	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	582227	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	258196	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	429868	20.00	ng	0.00
75) Chrysene-d12	14.16	240	282301	20.00	ng	0.00
86) Perylene-d12	15.70	264	260898	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	823851	87.09	ng	0.01
7) Phenol-d6	6.60	99	1053190	91.00	ng	0.00
23) Nitrobenzene-d5	7.54	82	655767	78.54	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	238417	107.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1195770	73.88	ng	0.00
78) Terphenyl-d14	13.10	244	970656	79.81	ng	0.00

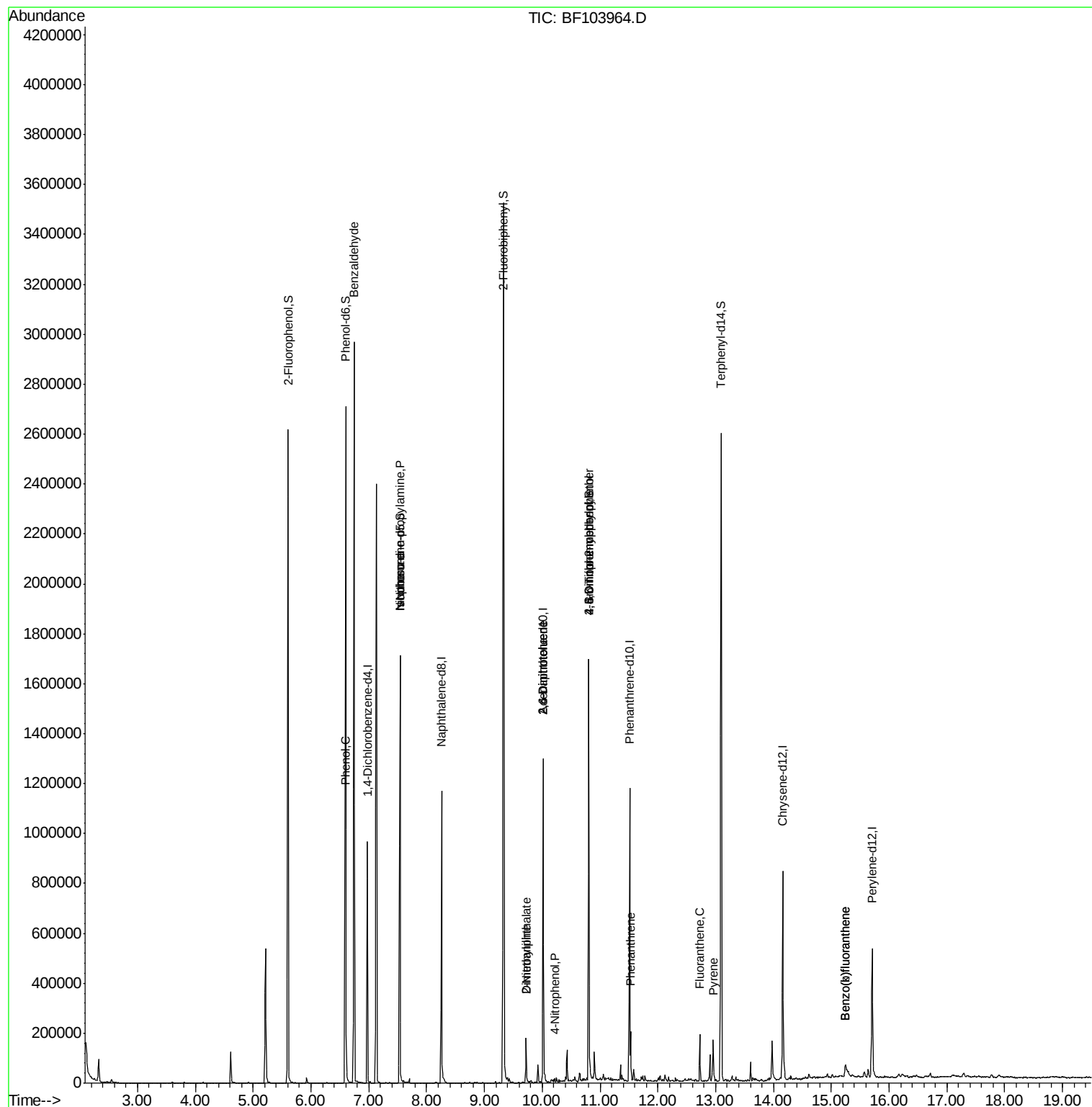
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	17506	2.302	ng	90
10) Phenol	6.61	94	47701	3.879	ng	91
19) n-Nitroso-di-n-propylamine	7.54	70	83718	11.287	ng	# 70
25) Isophorone	7.54	82	655759	33.929	ng	# 64
47) 2-Nitroaniline	9.72	65	644	6.938	ng	# 1
49) Dimethylphthalate	9.72	163	78185	3.969	ng	99
50) 2,6-Dinitrotoluene	10.02	165	33233	11.981	ng	# 25
55) 4-Nitrophenol	10.22	139	1595	5.385	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	33233	12.206	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	366	8.371	ng	# 17
66) 4-Bromophenyl-phenylether	10.80	248	14123	3.200	ng	# 1
70) Phenanthrene	11.53	178	65605	2.790	ng	98
74) Fluoranthene	12.73	202	81787	3.376	ng	95
77) Pyrene	12.96	202	63747	3.075	ng	97
87) Benzo(b)fluoranthene	15.24	252	37905	2.300	ng	# 91
88) Benzo(k)fluoranthene	15.24	252	37905	2.392	ng	# 94

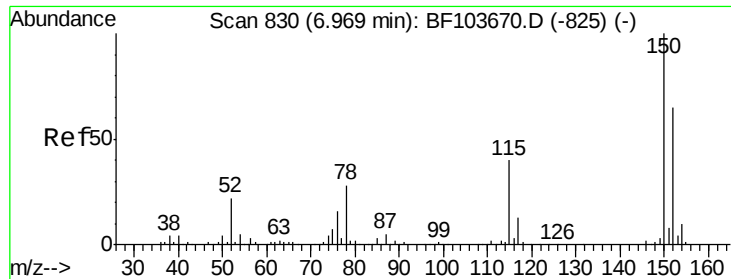
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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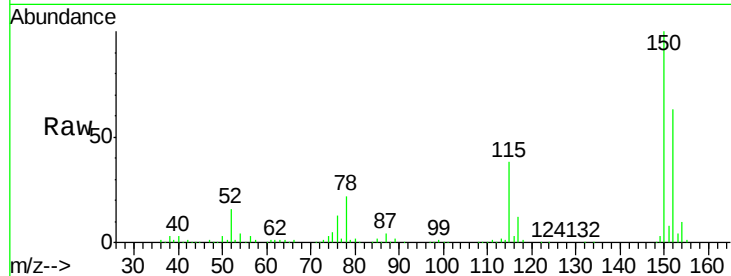


#1

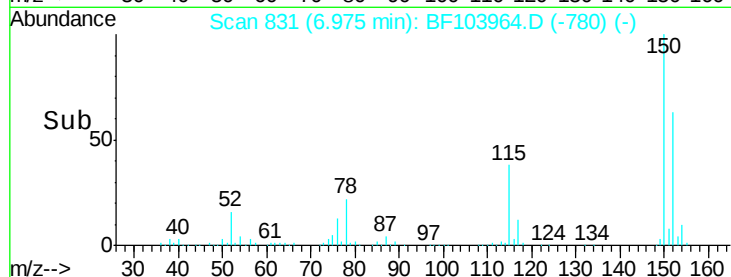
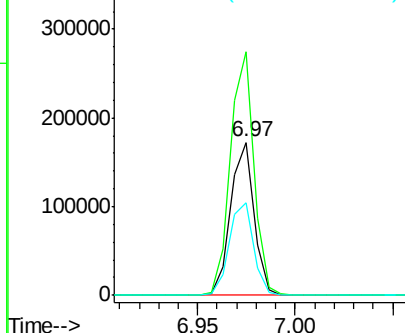
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143890
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 60.4 50.1 75.1



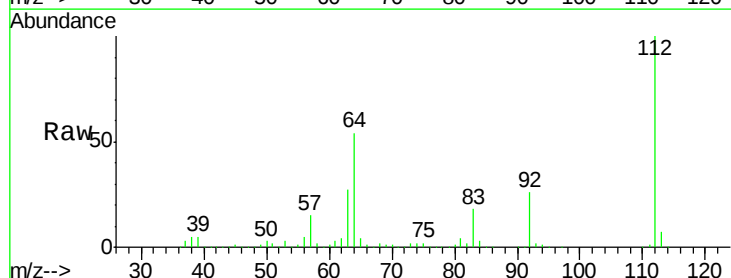
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



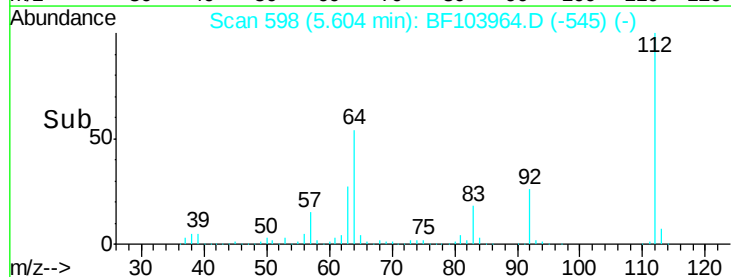
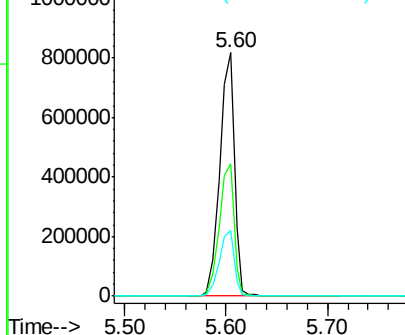
#5

2-Fluorophenol
Concen: 87.085 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion:112 Resp: 823851
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 26.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.997 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

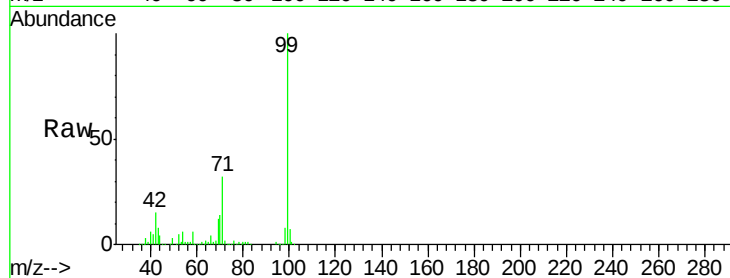
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1053190

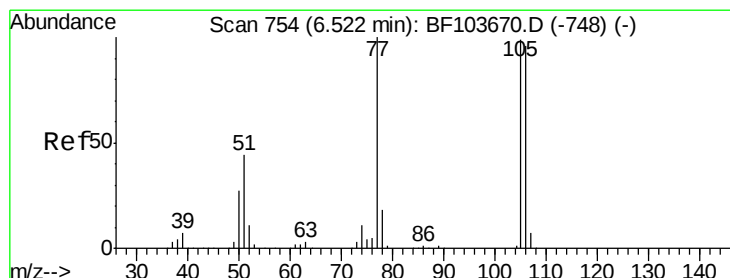
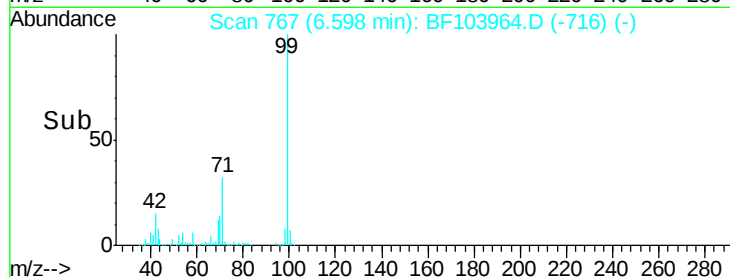
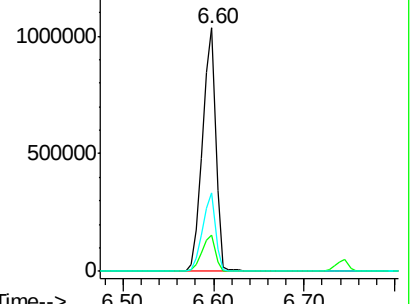
Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.5	21.7
71	32.3	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.302 ng

RT: 6.75 min Scan# 792

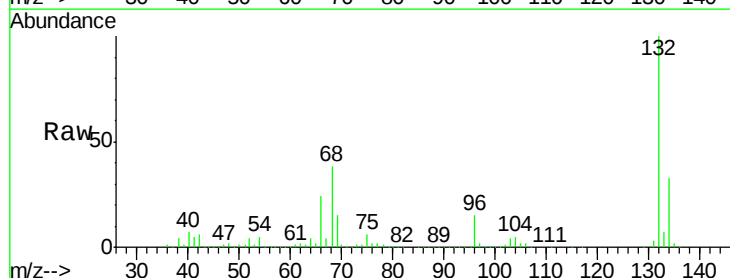
Delta R.T. 0.22 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

Tgt Ion: 77 Resp: 17506

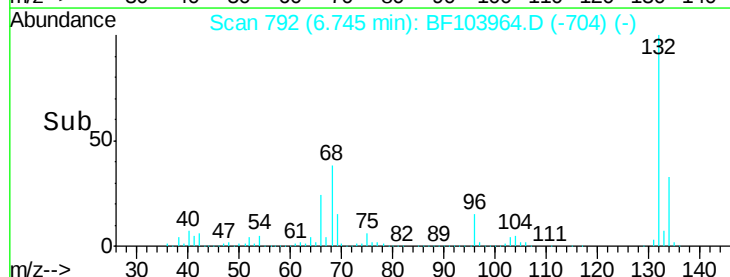
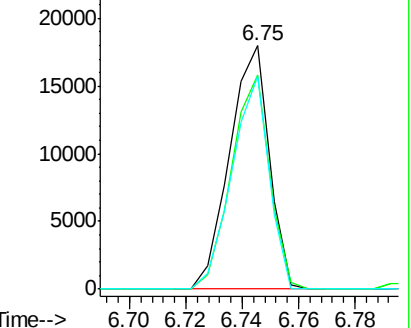
Ion	Ratio	Lower	Upper
77	100		
105	88.0	81.1	121.1
106	87.6	74.5	114.5

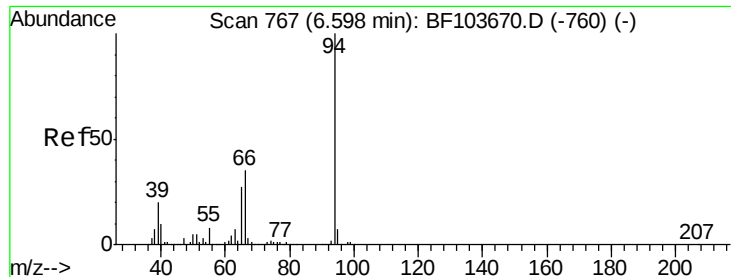


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

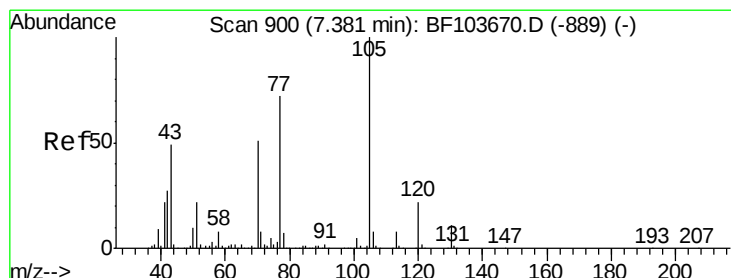
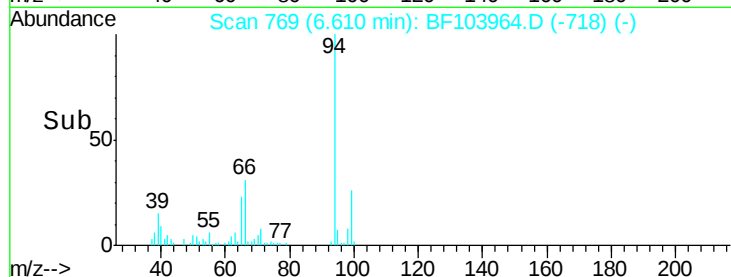
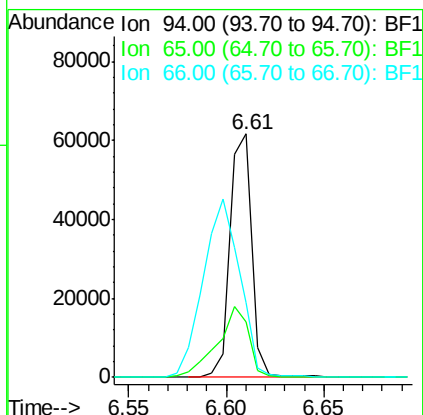
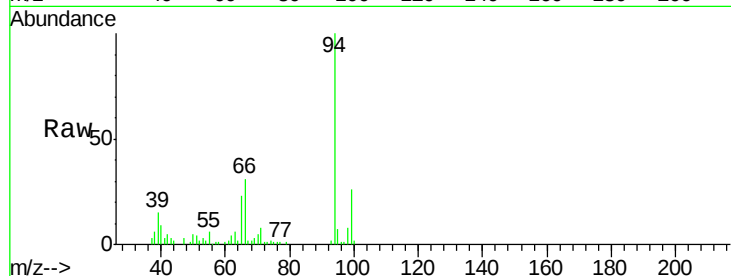




#10
Phenol
Concen: 3.879 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

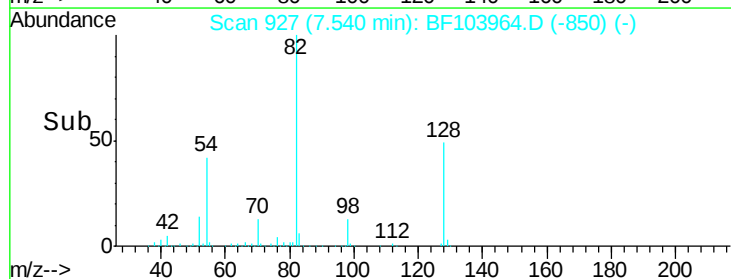
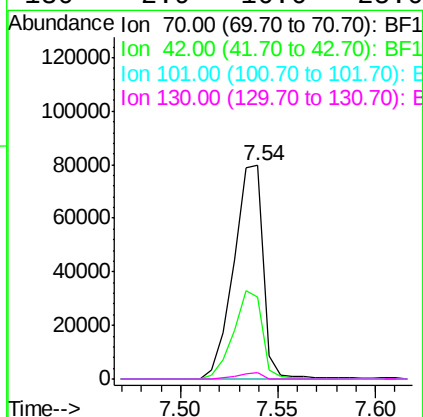
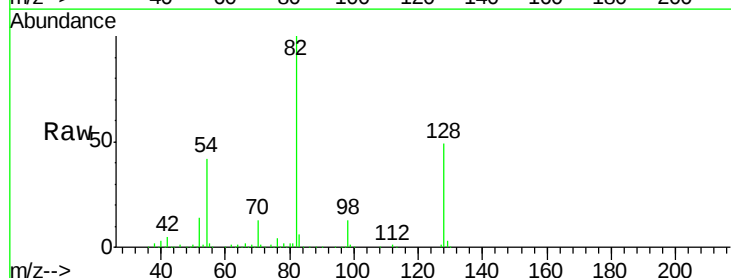
Instrument :
BNA_F
ClientSampleId :

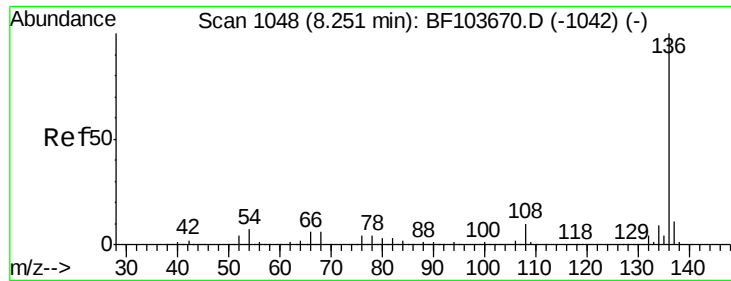
Tot Ion: 94 Resp: 47701
Ion Ratio Lower Upper
94 100
65 22.8 7.9 47.9
66 30.9 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.287 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion: 70 Resp: 83718
Ion Ratio Lower Upper
70 100
42 38.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

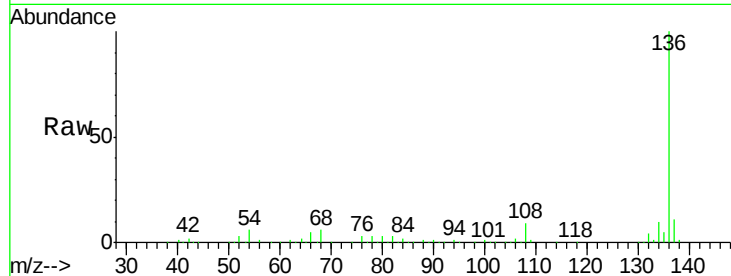




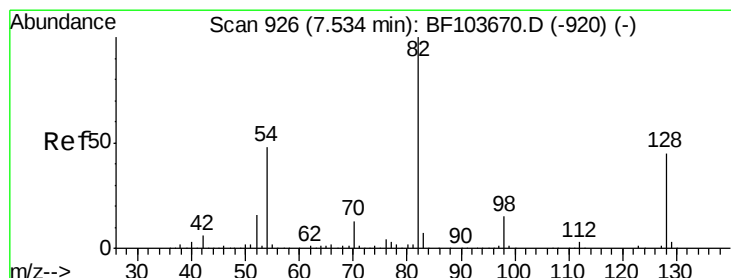
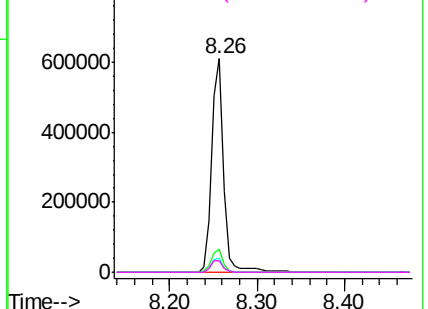
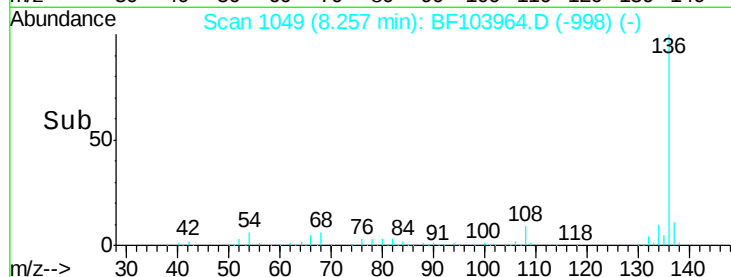
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	582227
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.4	6.6 9.8#
68	5.6	5.0 7.4

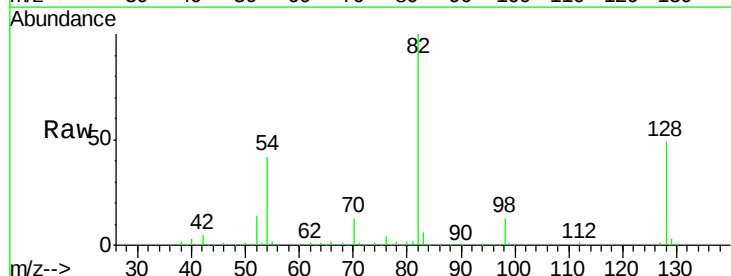


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

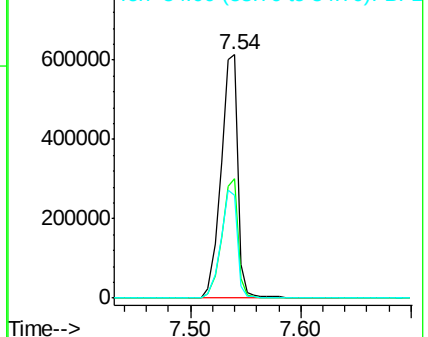
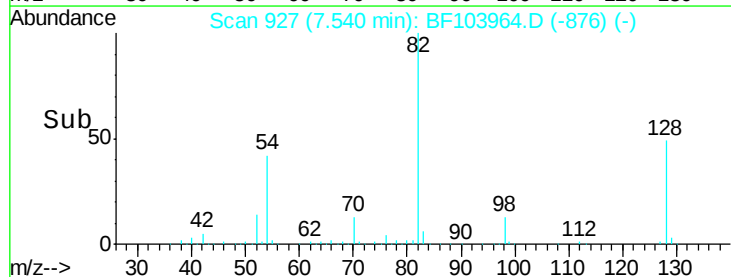


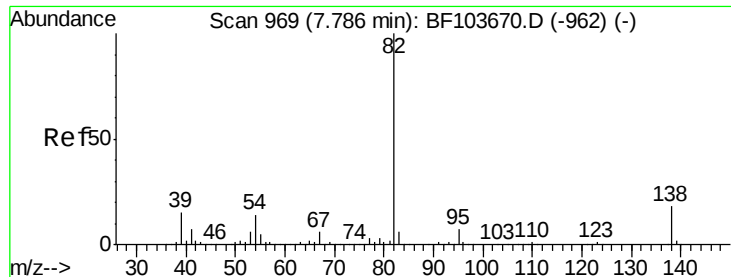
#23
Nitrobenzene-d5
Concen: 78.544 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion: 82	Resp:	655767
Ion Ratio	Lower	Upper
82	100	
128	49.1	36.1 54.1
54	42.5	41.4 62.2



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





#25

Isophorone

Concen: 33.929 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

Instrument :

BNA_F

ClientSampleId :

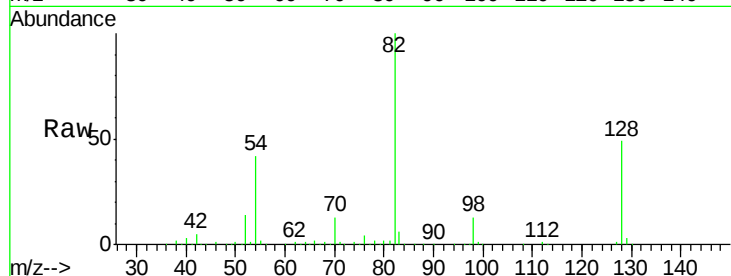
Tot Ion: 82 Resp: 655759

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

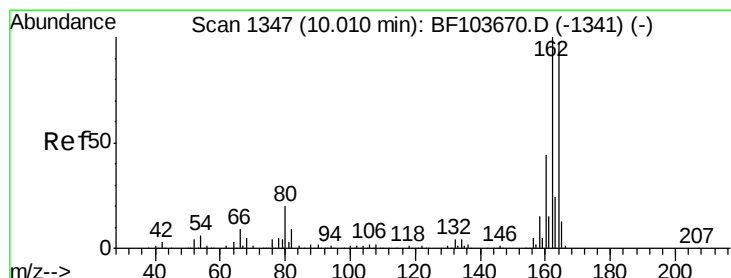
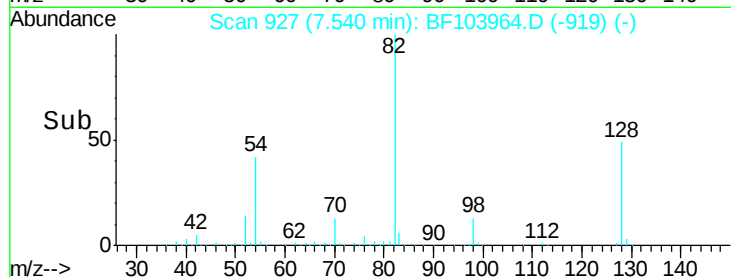
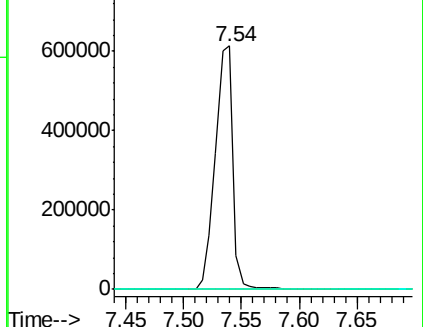
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

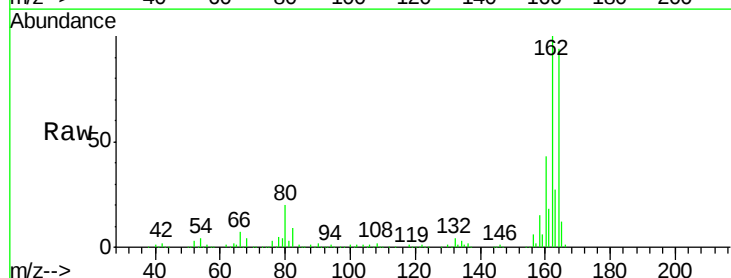
Tgt Ion: 164 Resp: 258196

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

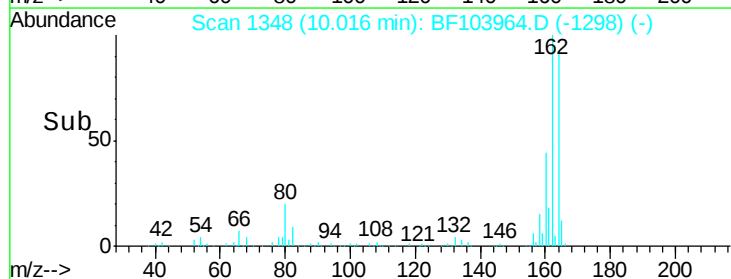
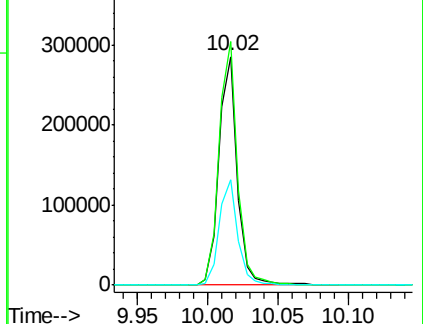
160 46.3 38.3 57.5

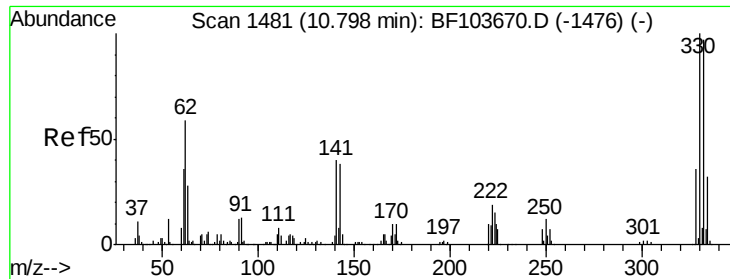


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

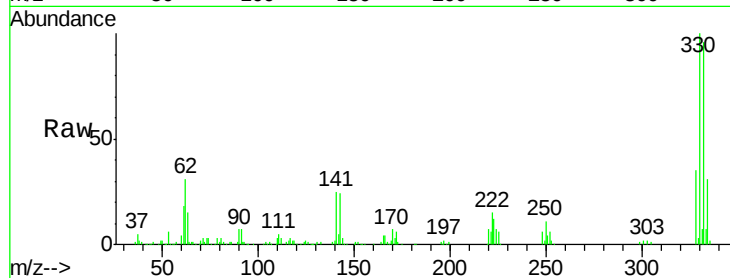




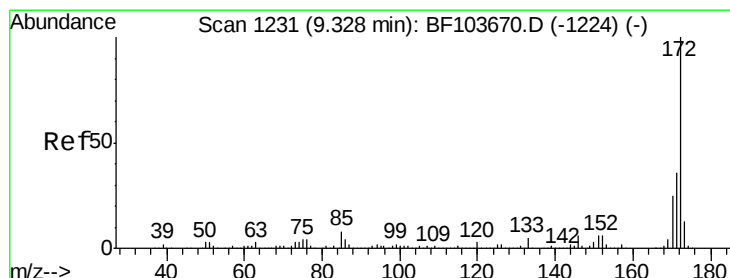
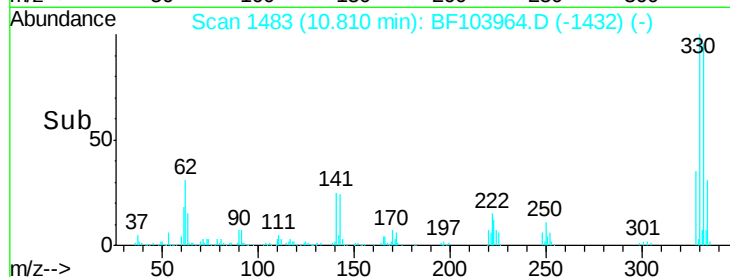
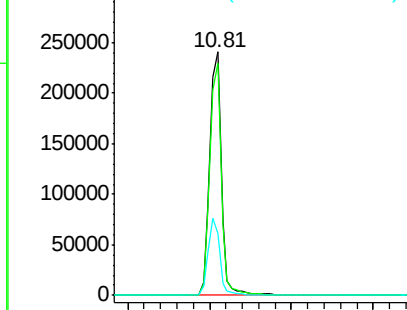
#41
 2,4,6-Tribromophenol
 Concen: 107.396 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 238417
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 31.5 29.9 44.9

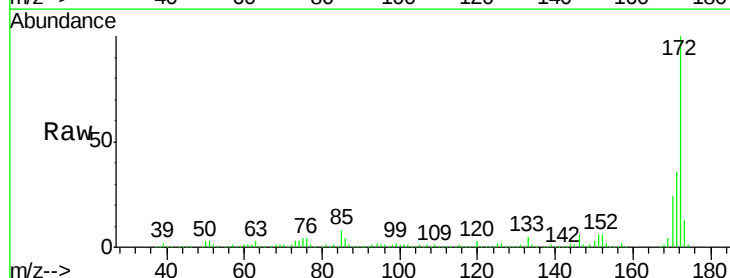


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

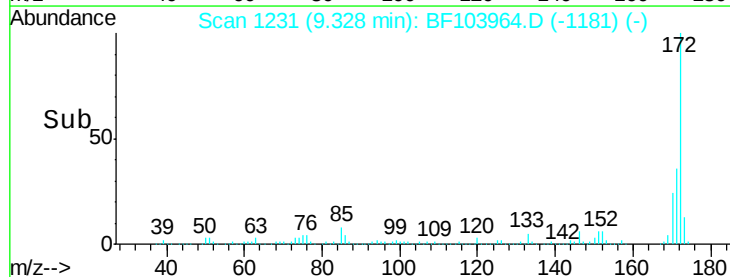
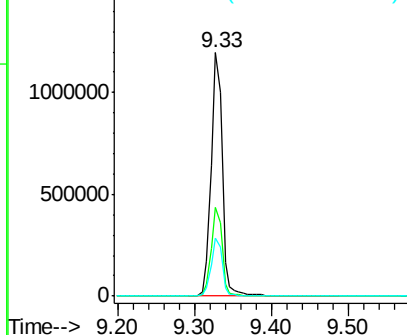


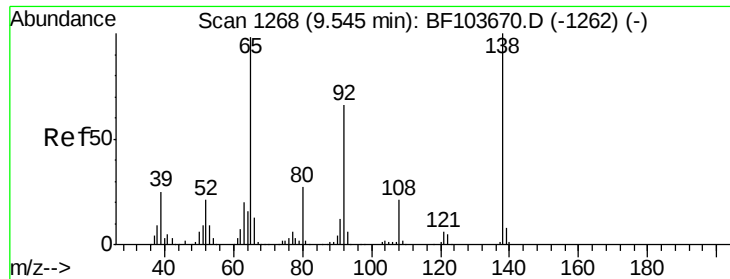
#44
 2-Fluorobiphenyl
 Concen: 73.875 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Tgt Ion:172 Resp: 1195770
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.0 19.6 29.4



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

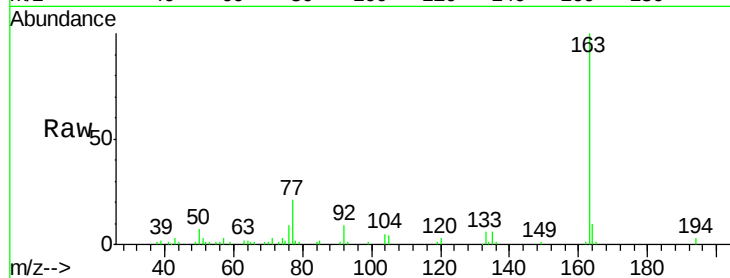




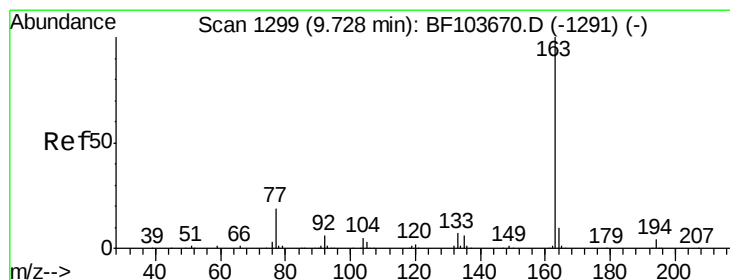
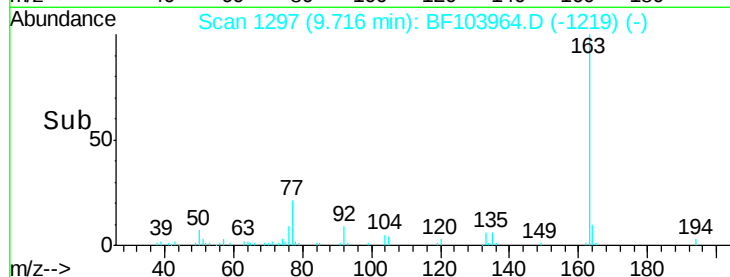
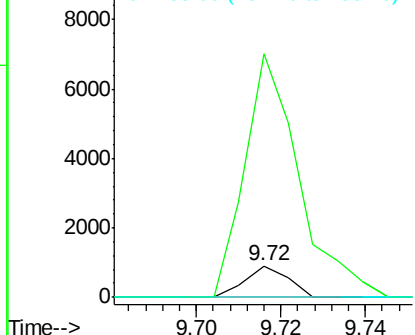
#47
2-Nitroaniline
Concen: 6.938 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 644
Ion Ratio Lower Upper
65 100
92 770.7 55.8 83.6#
138 0.0 91.2 136.8#

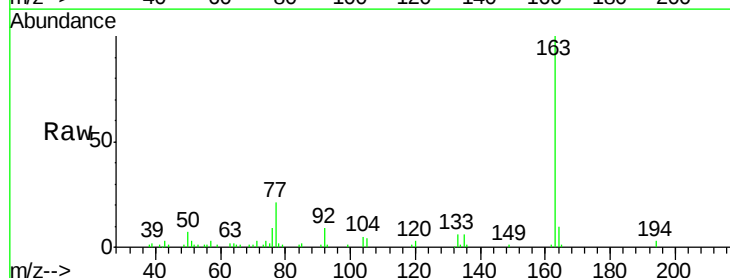


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

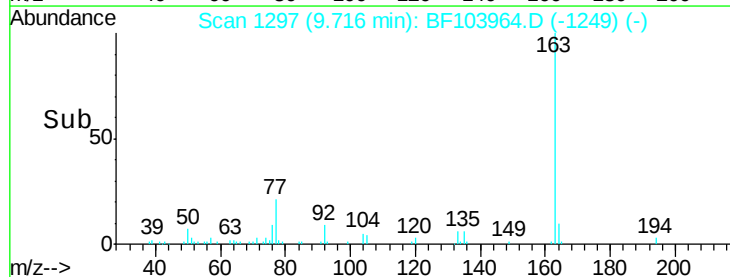
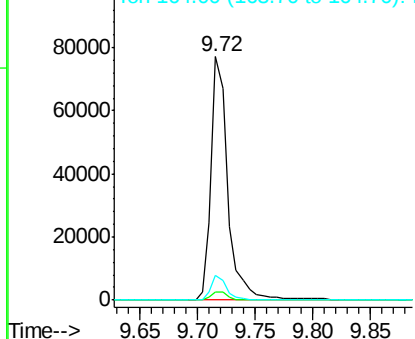


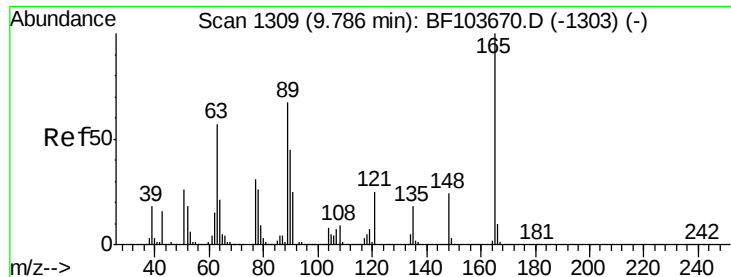
#49
Dimethylphthalate
Concen: 3.969 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion:163 Resp: 78185
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.9 8.2 12.2



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

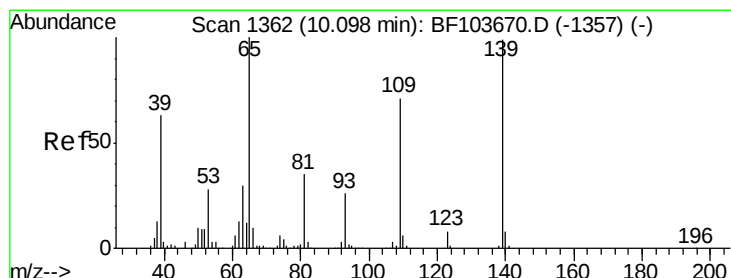
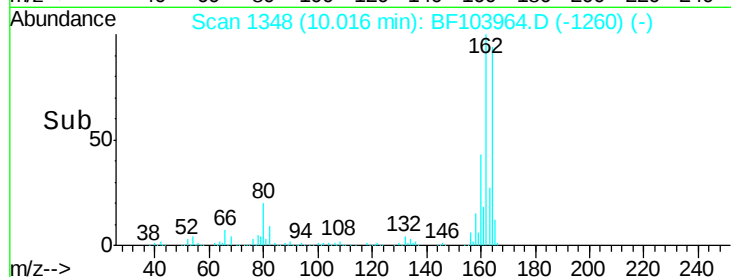
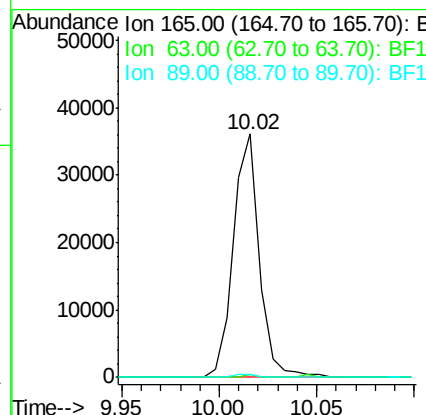
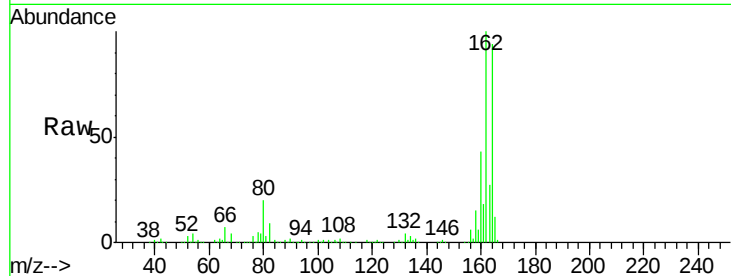




#50
2,6-Dinitrotoluene
Concen: 11.981 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

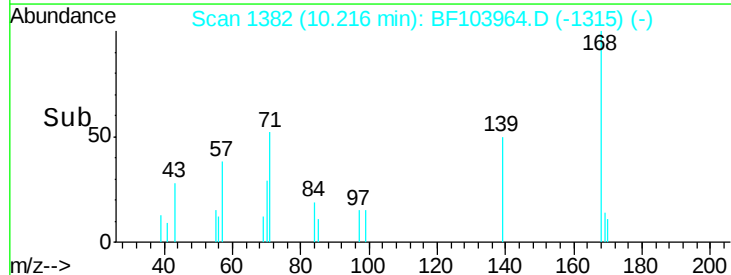
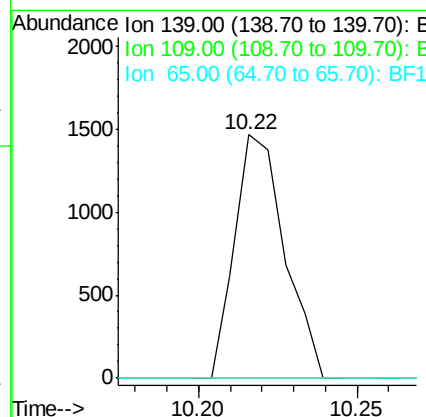
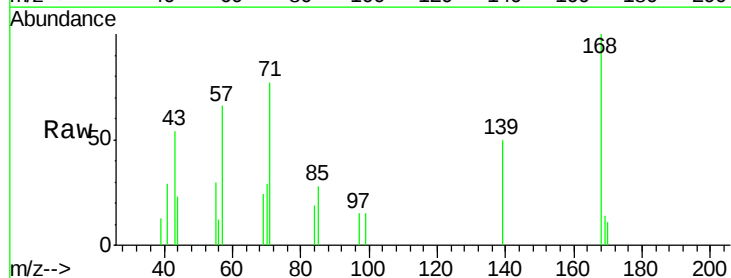
Instrument :
BNA_F
ClientSampled :

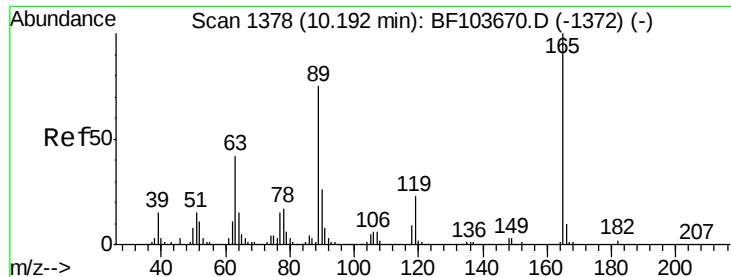
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.3	44.0	66.0#



#55
4-Nitrophenol
Concen: 5.385 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.09 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

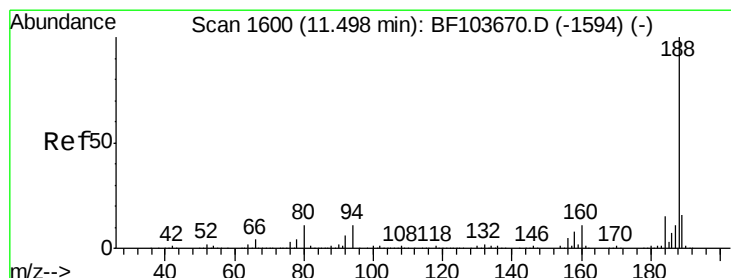
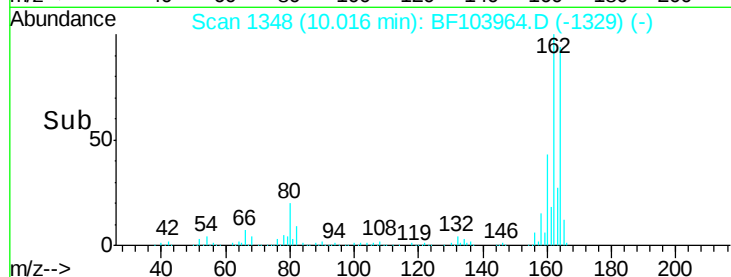
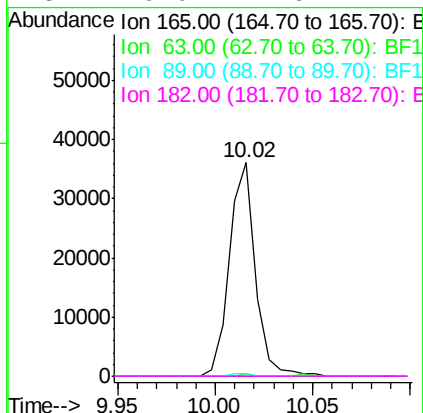
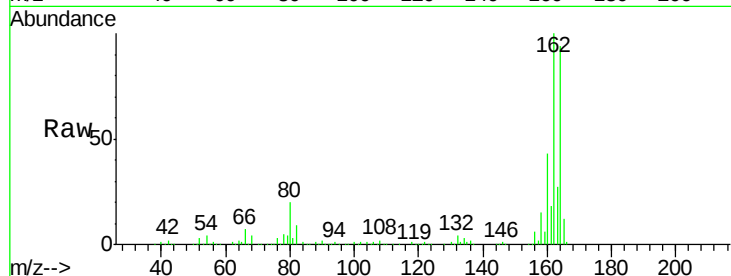




#56
 2,4-Dinitrotoluene
 Concen: 12.206 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

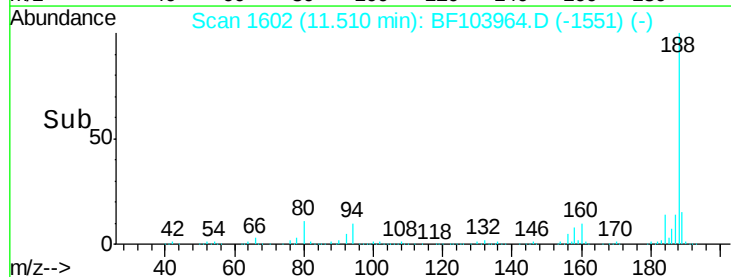
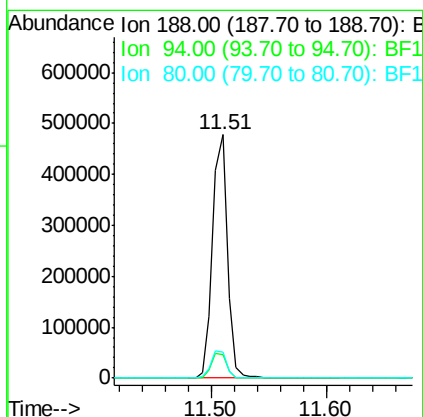
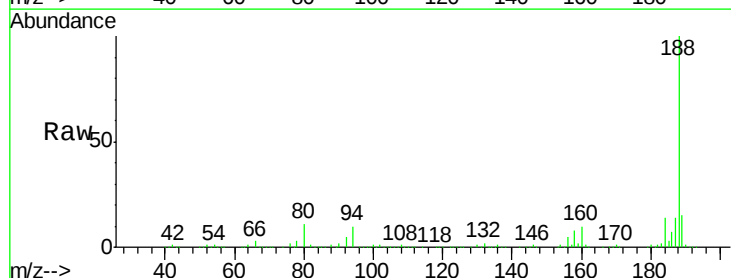
Instrument :
 BNA_F
 ClientSampled :

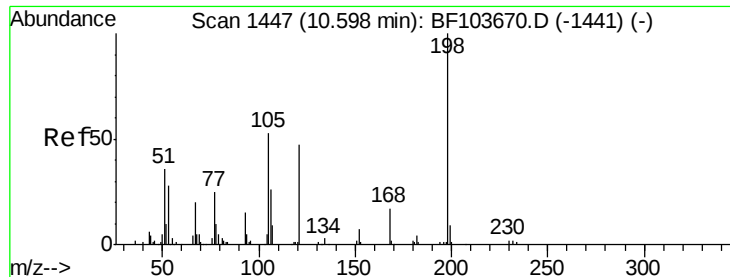
Tot Ion:165 Resp: 33233
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Tgt Ion:188 Resp: 429868
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.6 9.2 13.8

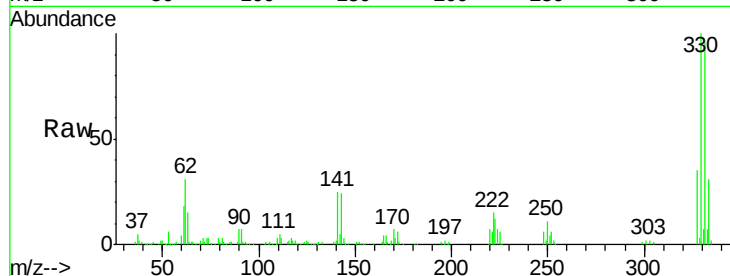




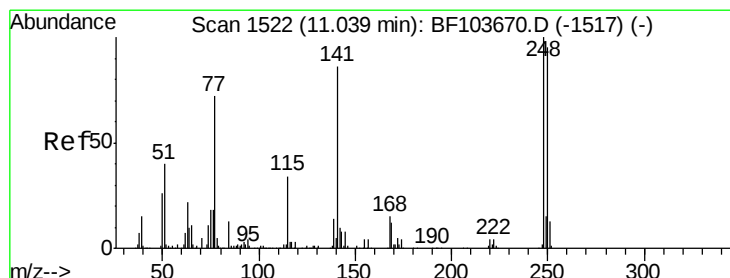
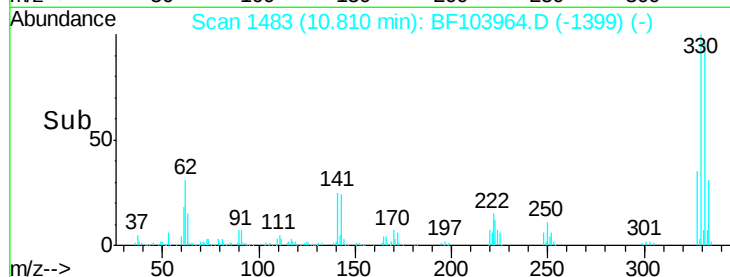
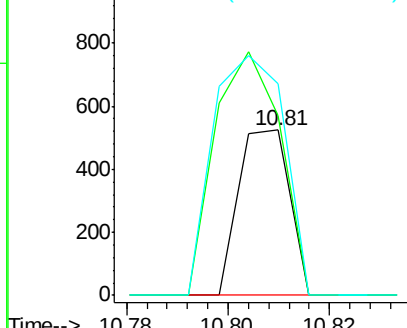
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.371 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.19 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 366
 Ion Ratio Lower Upper
 198 100
 51 108.6 37.7 77.7#
 105 128.1 36.3 76.3#

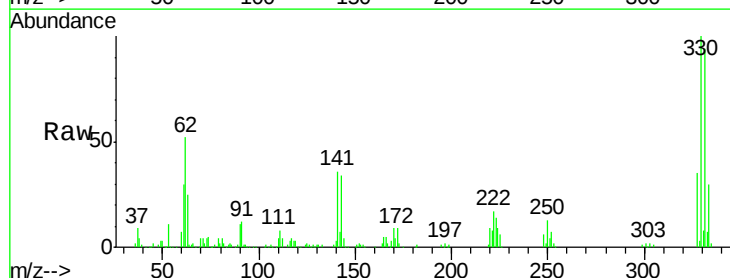


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

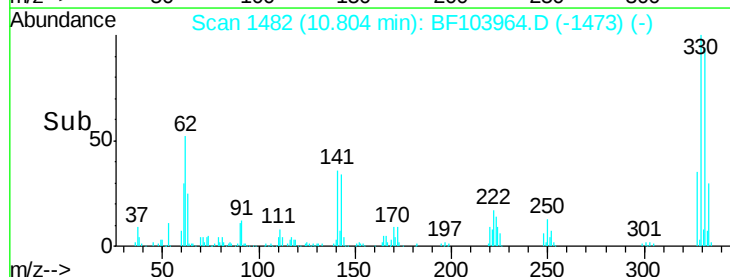
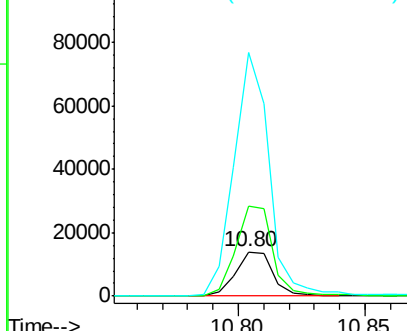


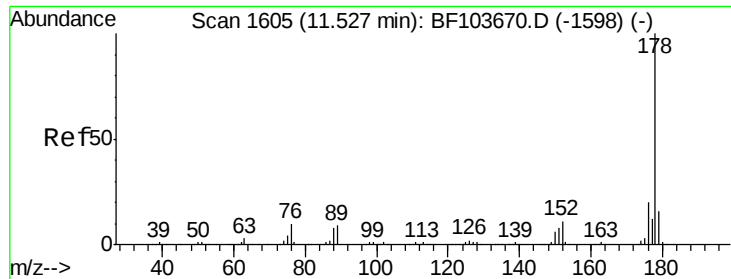
#66
 4-Bromophenyl-phenylether
 Concen: 3.200 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Tgt Ion:248 Resp: 14123
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.9 115.3#
 141 546.4 74.4 111.6#



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

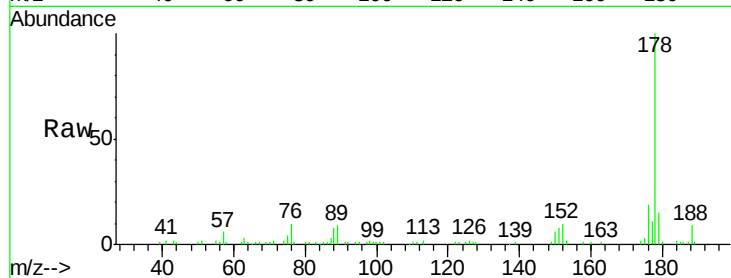




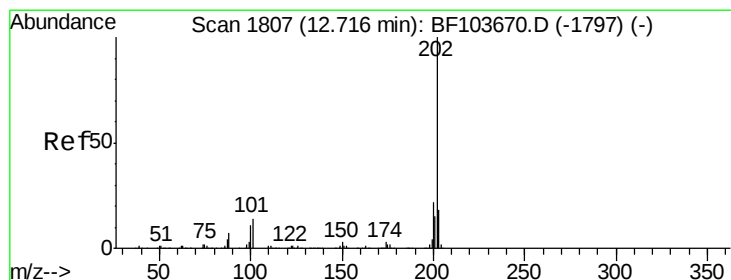
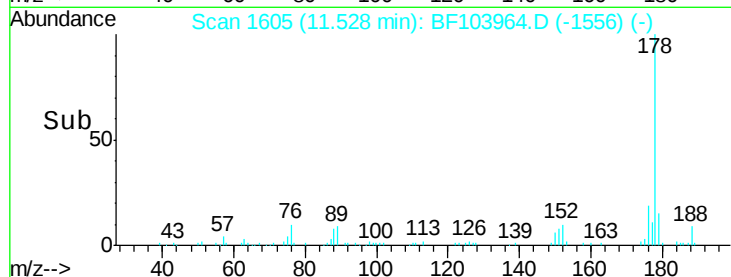
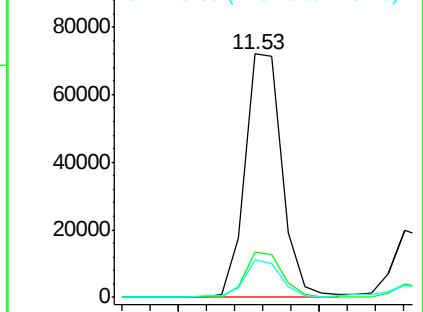
#70
Phenanthrene
Concen: 2.790 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	13.0	19.6

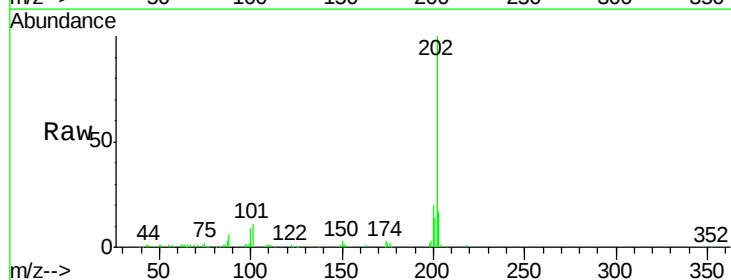


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

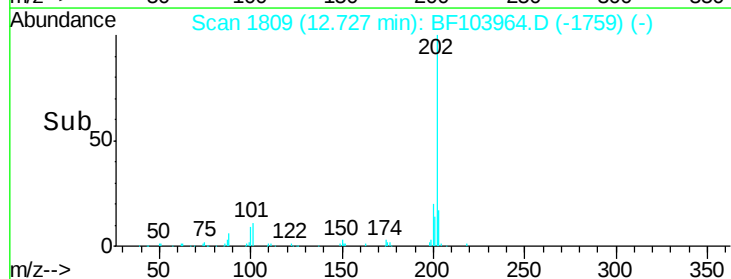
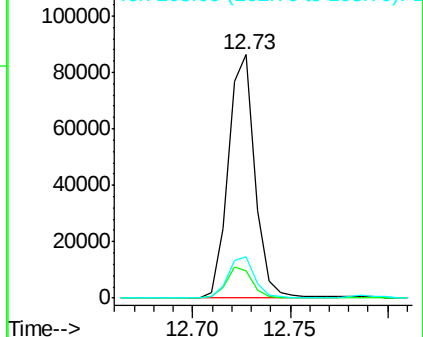


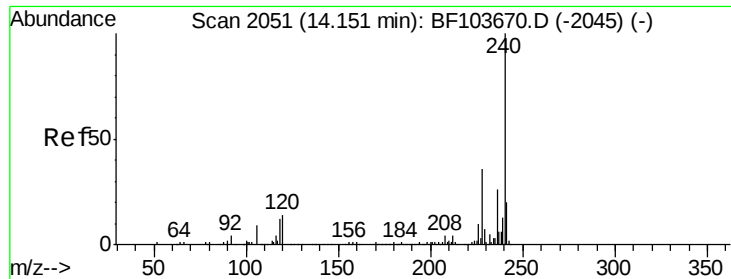
#74
Fluoranthene
Concen: 3.376 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF103964.D
Acq: 27 Mar 2018 9:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.0	0.0	38.1



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: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

Instrument :

BNA_F

ClientSampleId :

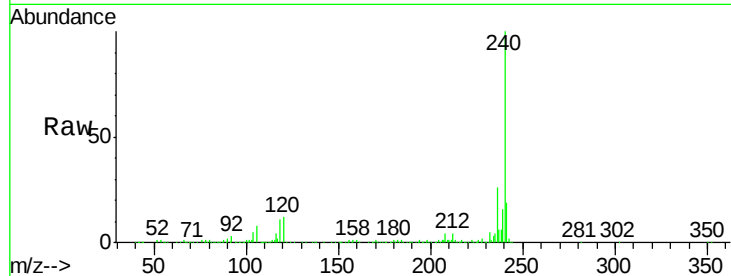
Tot Ion:240 Resp: 282301

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

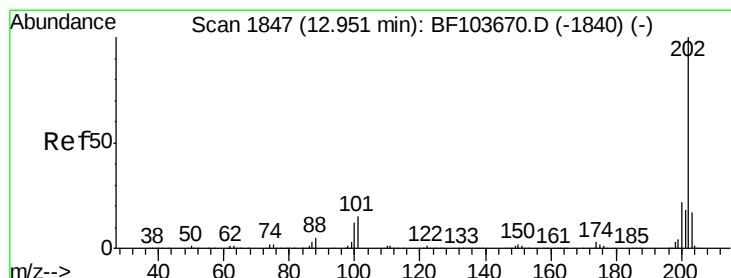
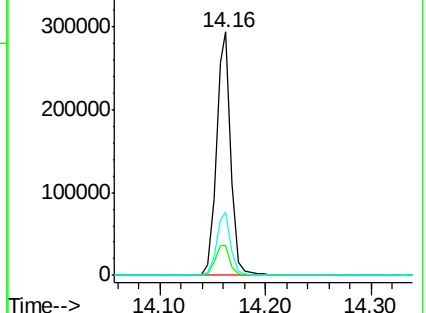
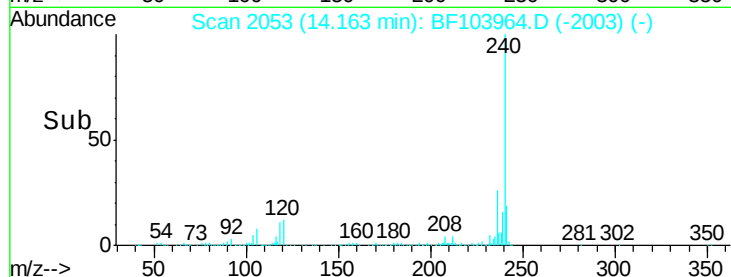
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.075 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

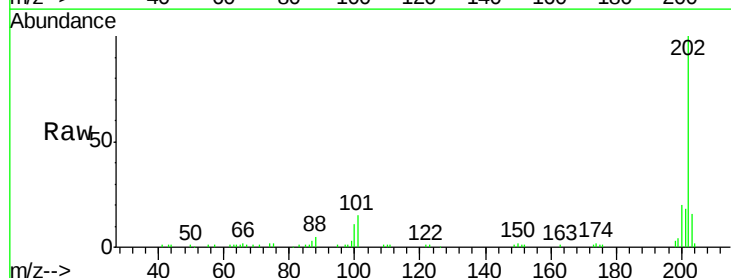
Tgt Ion:202 Resp: 63747

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

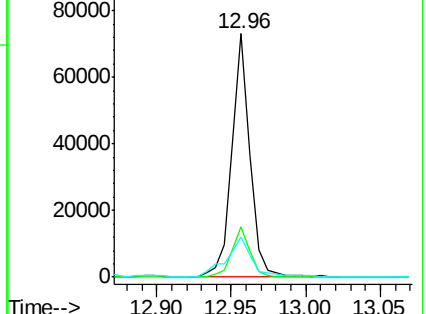
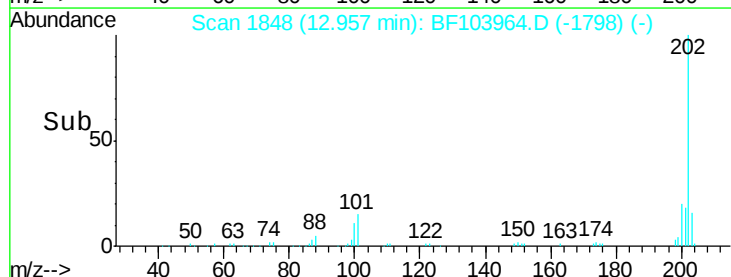
203 16.4 14.3 21.5

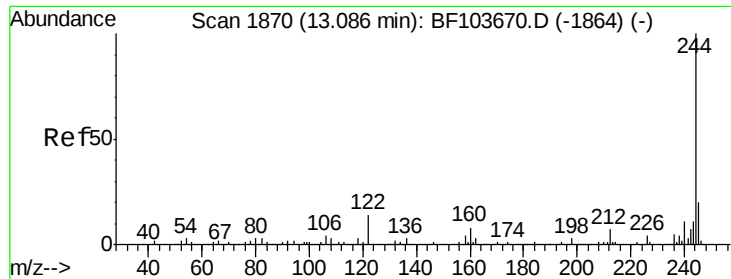


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

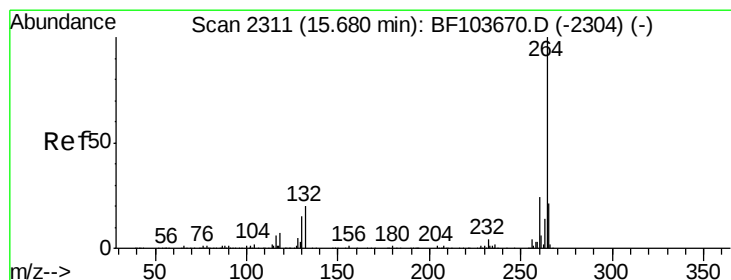
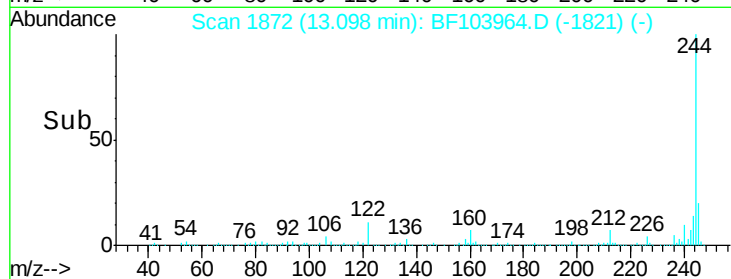
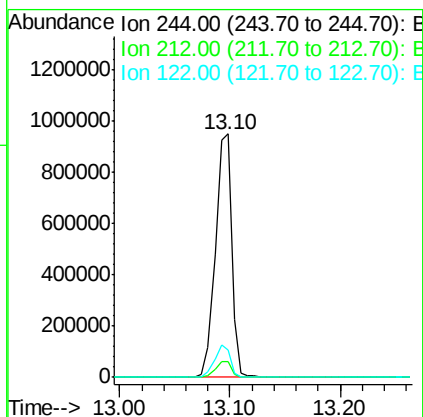
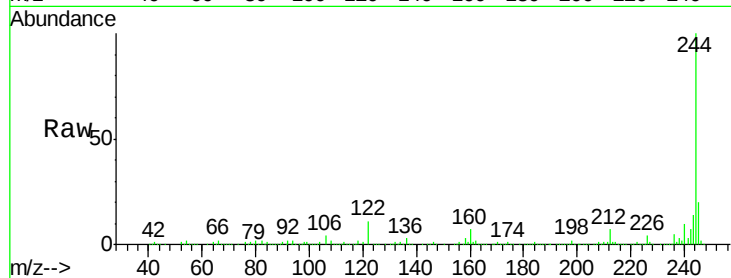




#78
 Terphenyl-d14
 Concen: 79.810 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

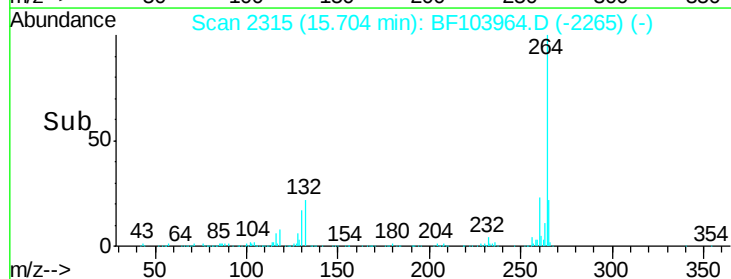
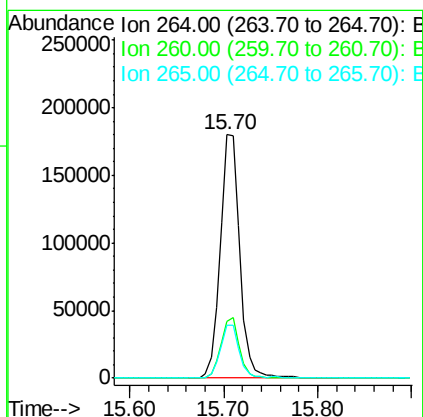
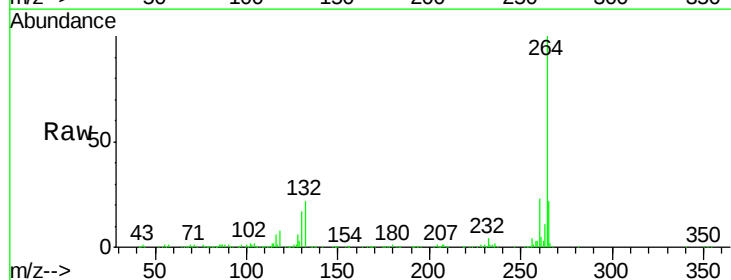
Instrument :
 BNA_F
 ClientSampleId :

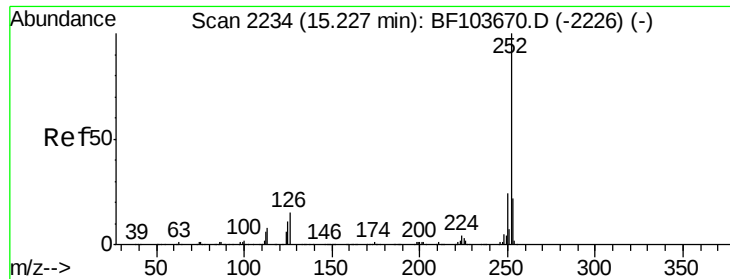
Tot Ion:244 Resp: 970656
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BF103964.D
 Acq: 27 Mar 2018 9:26

Tgt Ion:264 Resp: 260898
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.300 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

Instrument :

BNA_F

ClientSampleId :

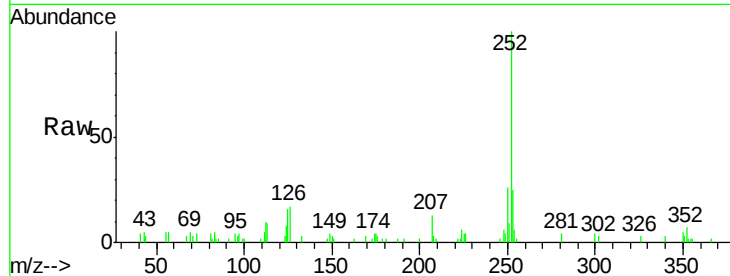
Tot Ion:252 Resp: 37905

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

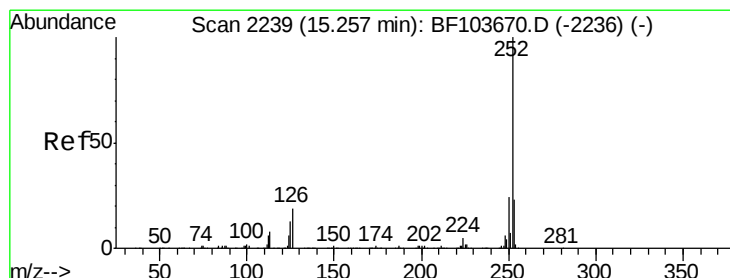
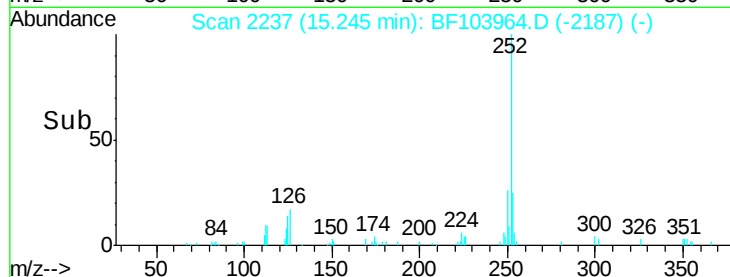
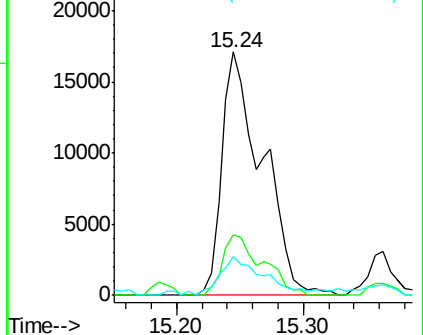
125 16.0 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.392 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.04 min

Lab File: BF103964.D

Acq: 27 Mar 2018 9:26

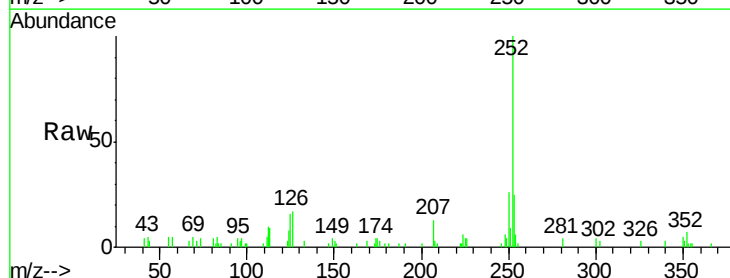
Tgt Ion:252 Resp: 37905

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 16.0 10.2 15.2#



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

