

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104761.D
 Acq On : 24 Apr 2018 17:27
 Operator : JU/SJ
 Sample : J2151-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:57:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

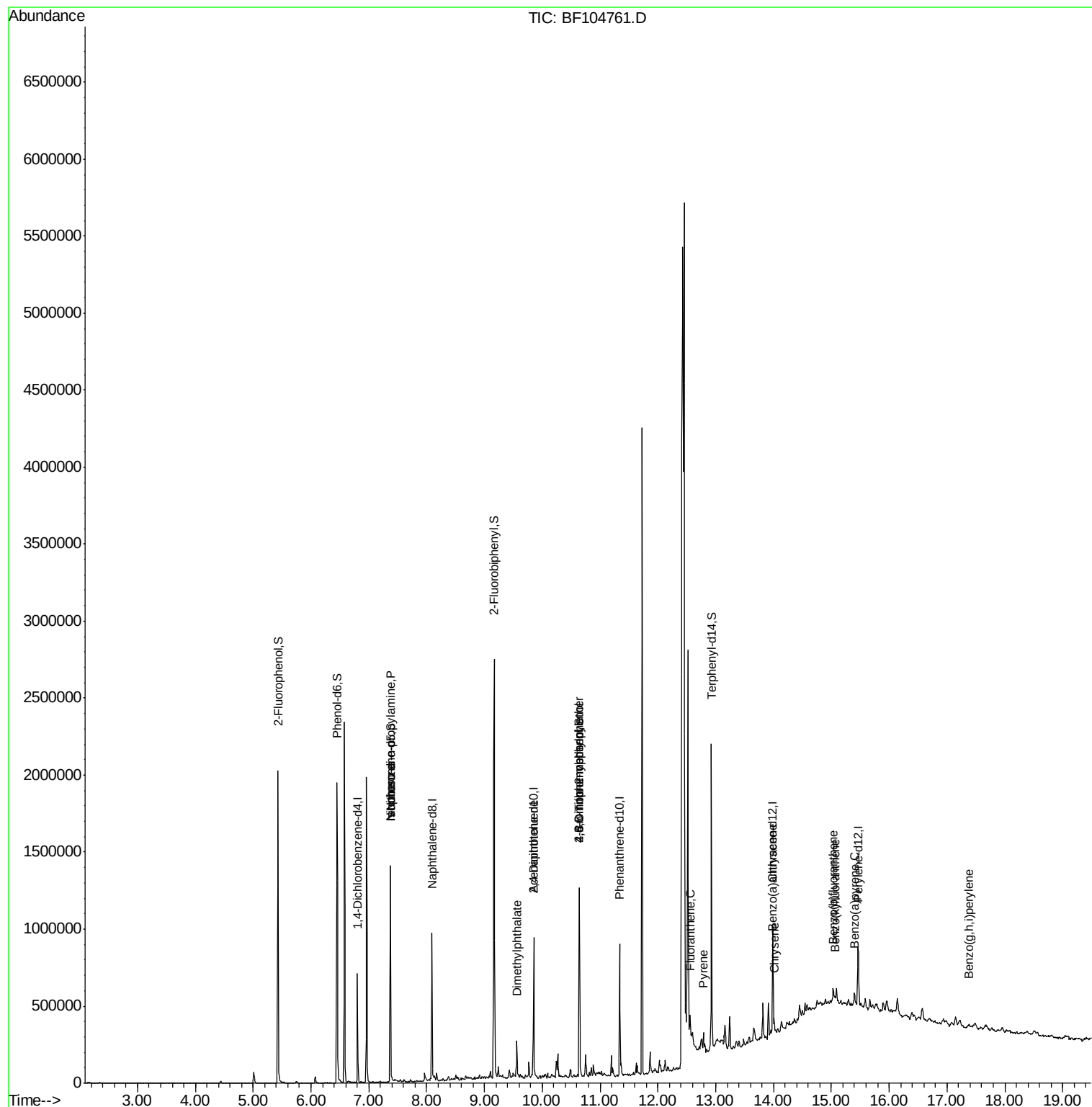
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102619	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	425711	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	183740	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	284073	20.00	ng	0.00
75) Chrysene-d12	13.99	240	233139	20.00	ng	0.00
86) Perylene-d12	15.46	264	153267	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	590091	87.93	ng	0.01
7) Phenol-d6	6.45	99	725103	87.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	442939	67.94	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	158839	83.34	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	832451	71.57	ng	0.00
78) Terphenyl-d14	12.93	244	667481	65.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	56769	10.535	ng	# 70
25) Isophorone	7.37	82	442850	32.122	ng	# 64
49) Dimethylphthalate	9.56	163	85985	5.934	ng	# 99
56) 2,4-Dinitrotoluene	9.85	165	24427	6.946	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	270	7.512	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	10118	3.349	ng	# 1
74) Fluoranthene	12.56	202	42949	2.598	ng	100
76) Benzydine	12.70	184	957	Below Cal		# 1
77) Pyrene	12.79	202	40473	2.342	ng	# 98
80) Benzo(a)anthracene	13.97	228	28054	2.014	ng	# 92
82) Chrysene	14.02	228	39420	2.755	ng	# 96
87) Benzo(b)fluoranthene	15.03	252	40643	4.199	ng	# 84
88) Benzo(k)fluoranthene	15.06	252	24918	2.727	ng	# 78
89) Benzo(a)pyrene	15.40	252	19761	2.282	ng	# 60
91) Benzo(a,h,i)perylene	17.38	276	18901	2.743	ng	# 83

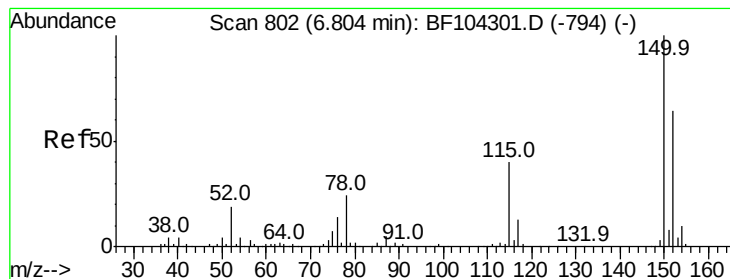
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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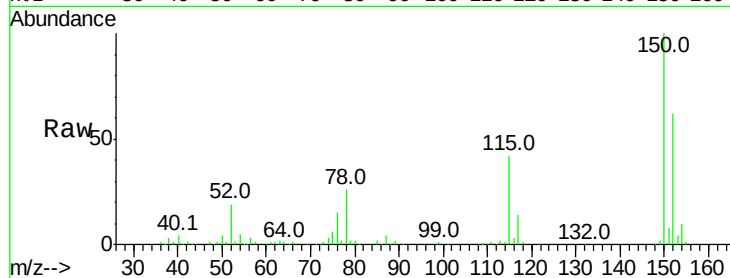


#1

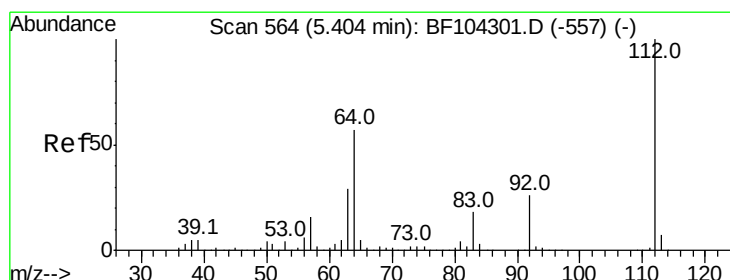
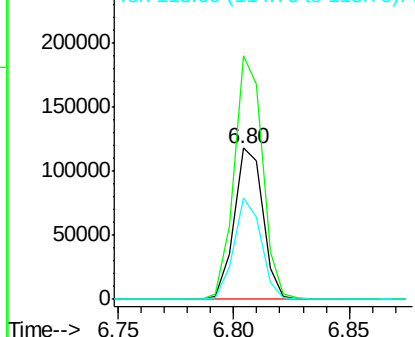
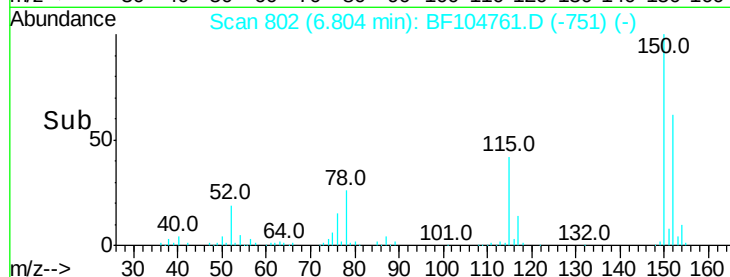
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102619
Ion Ratio Lower Upper
152 100
150 161.0 124.6 186.8
115 67.2 50.1 75.1



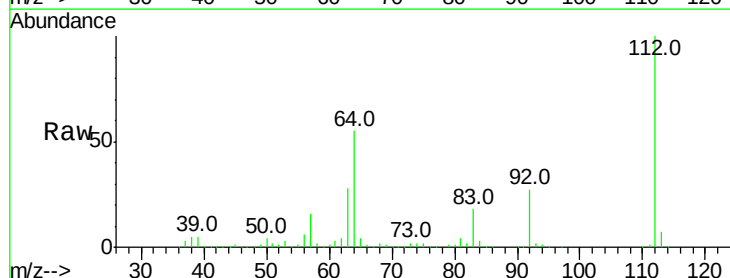
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



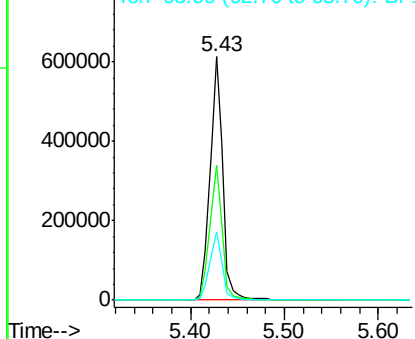
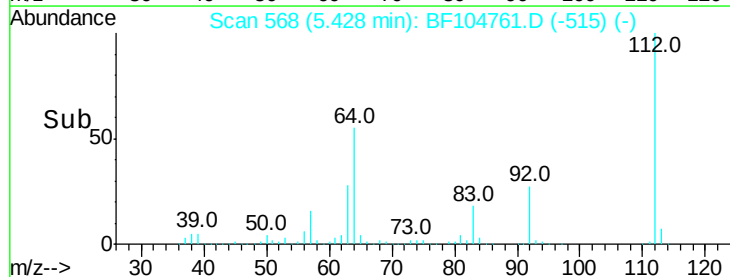
#5

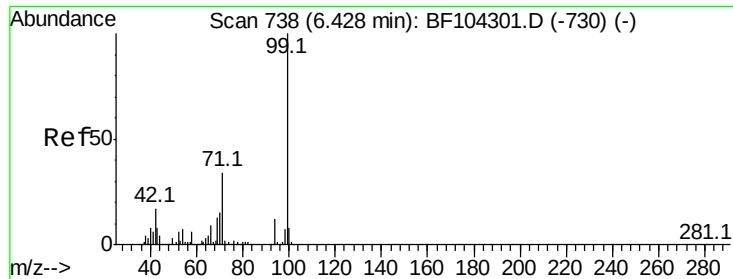
2-Fluorophenol
Concen: 87.925 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Tgt Ion:112 Resp: 590091
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.1 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: 87.934 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Instrument :

BNA_F

ClientSampled :

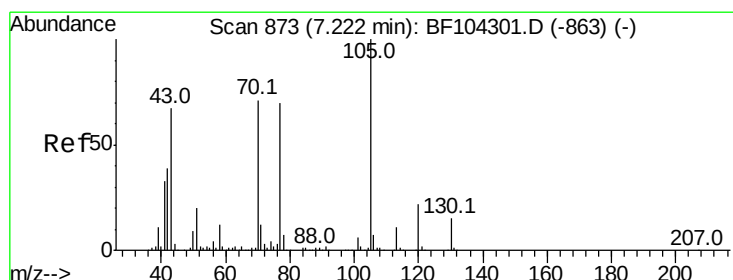
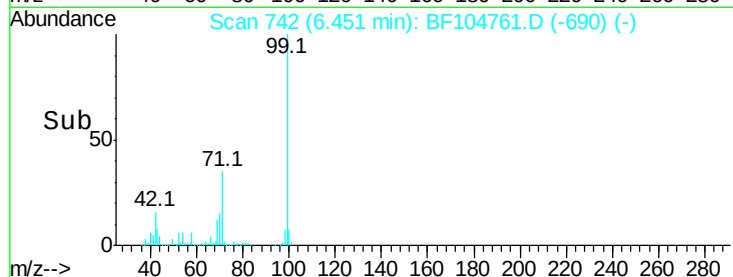
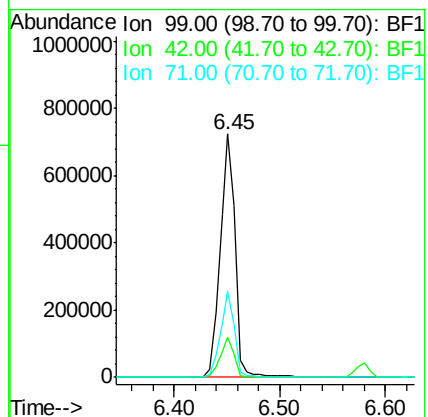
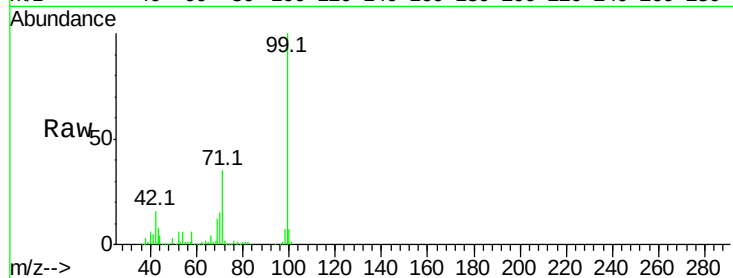
Tot Ion: 99 Resp: 725103

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 35.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.535 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Tgt Ion: 70 Resp: 56769

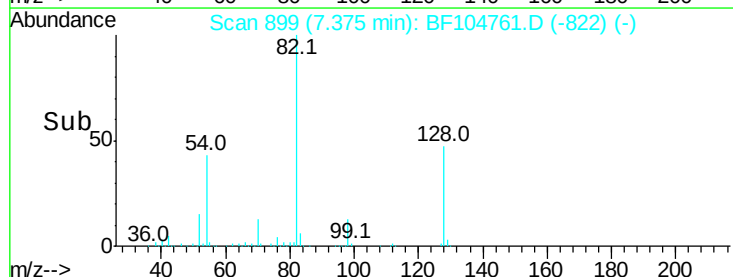
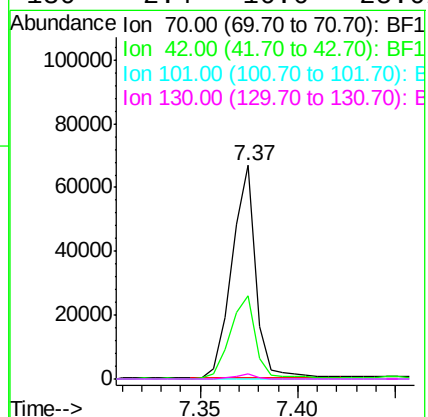
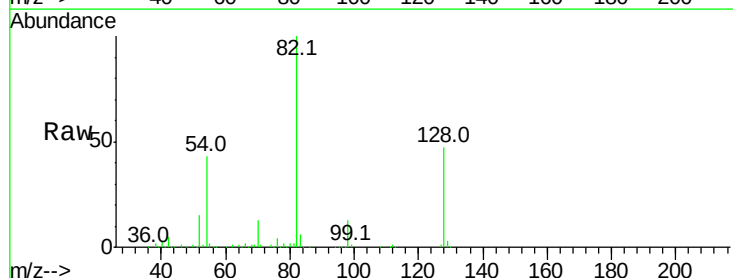
Ion Ratio Lower Upper

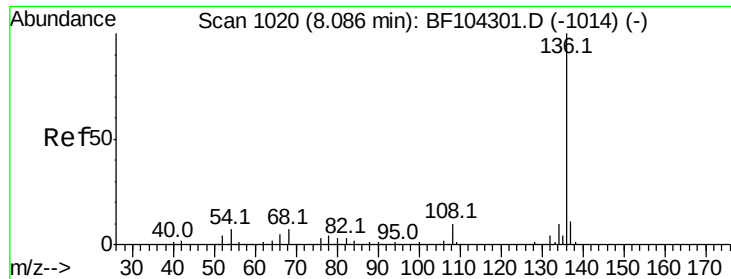
70 100

42 39.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

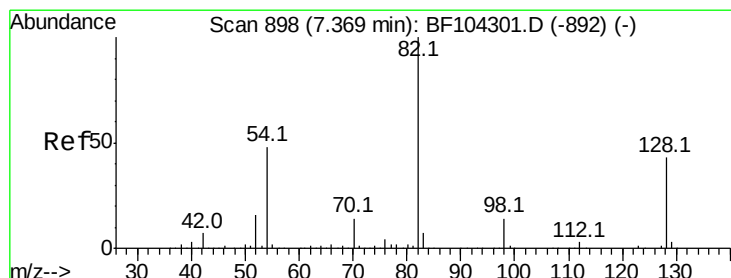
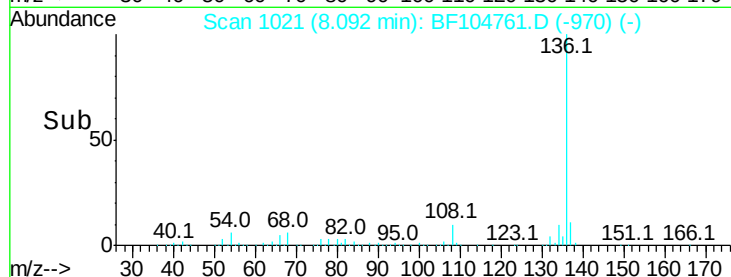
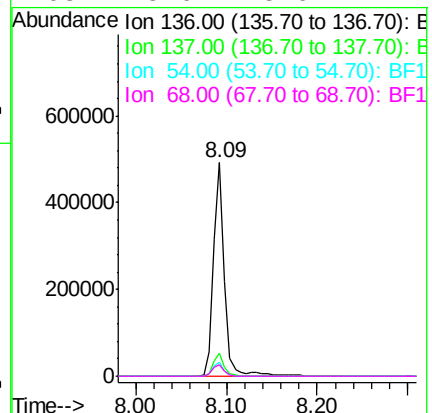
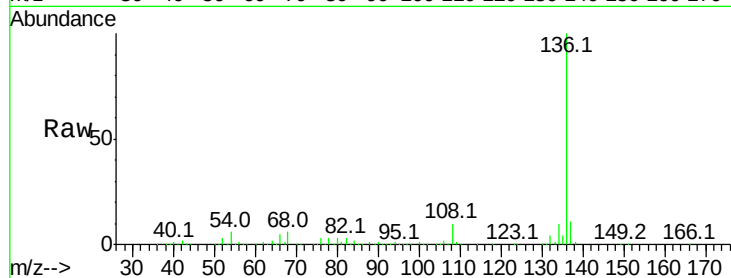




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

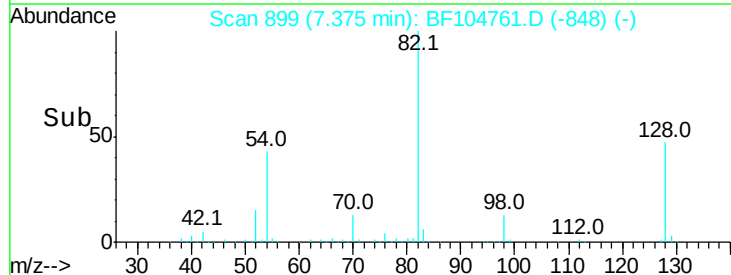
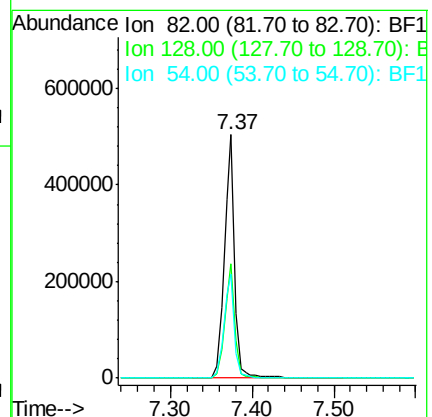
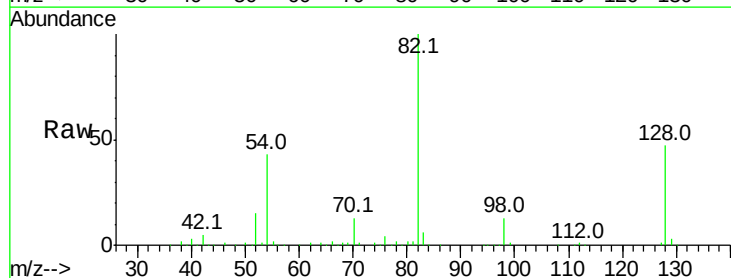
Instrument :
BNA_F
ClientSampleId :

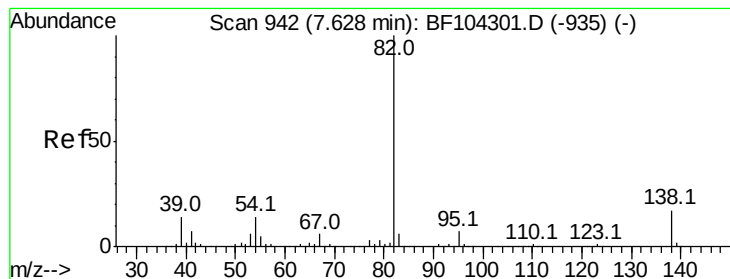
Tot Ion:	136	Resp:	425711
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.3	6.6	9.8#
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.941 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Tgt Ion:	82	Resp:	442939
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	42.9	41.4	62.2





#25

Isophorone

Concen: 32.122 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Instrument :

BNA_F

ClientSampleId :

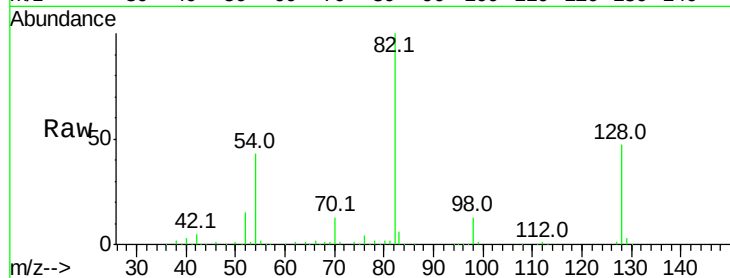
Tot Ion: 82 Resp: 442850

Ion Ratio Lower Upper

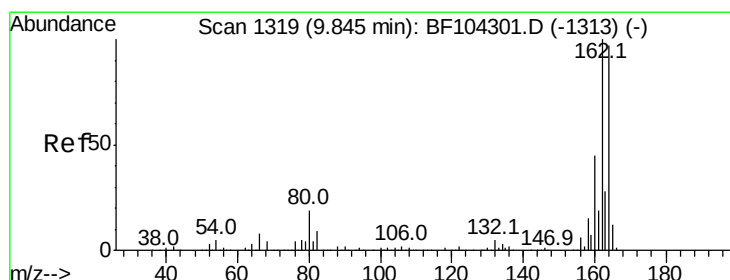
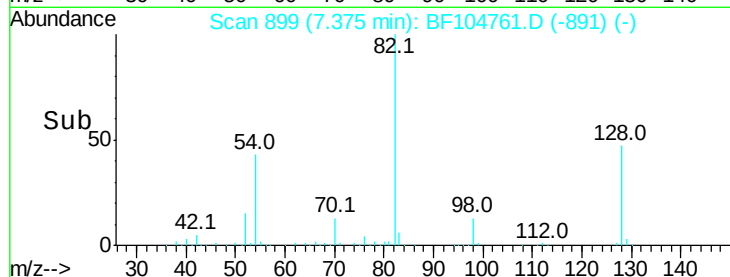
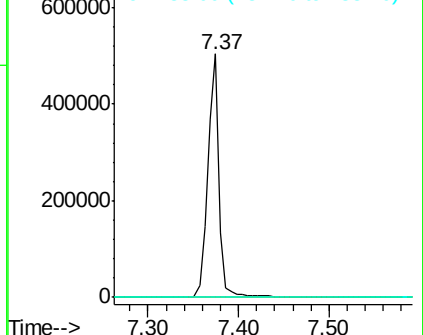
82 100

95 0.1 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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

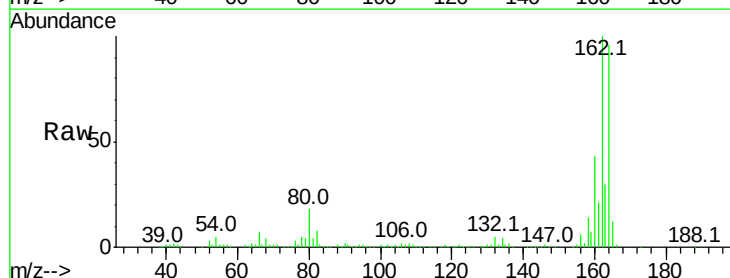
Tgt Ion:164 Resp: 183740

Ion Ratio Lower Upper

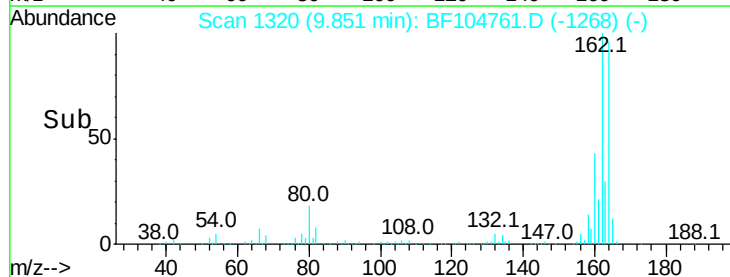
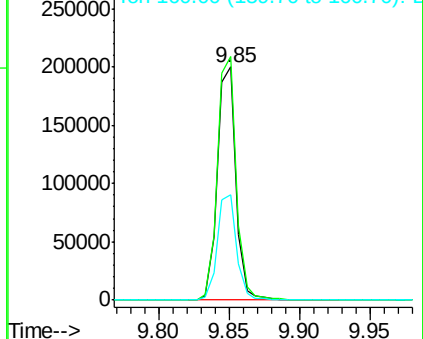
164 100

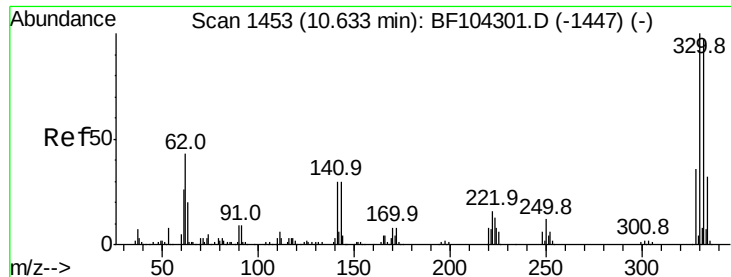
162 104.5 86.1 129.1

160 45.1 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: 83.337 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Instrument :

BNA_F

ClientSampleId :

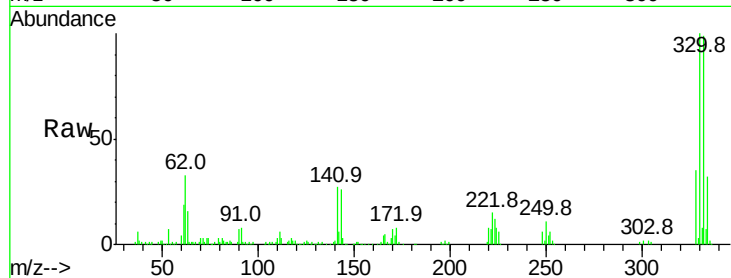
Tot Ion:330 Resp: 158839

Ion Ratio Lower Upper

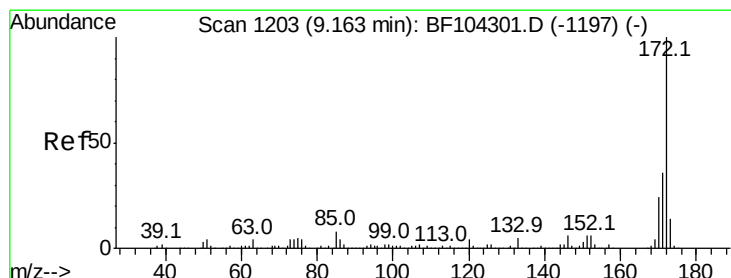
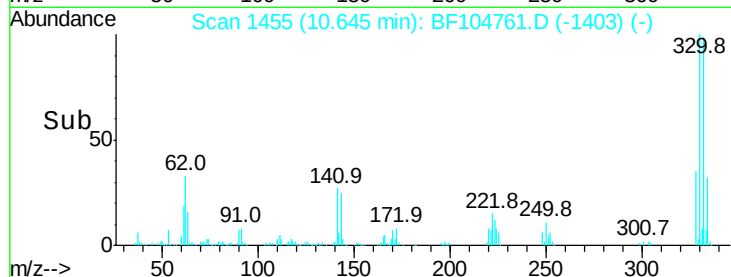
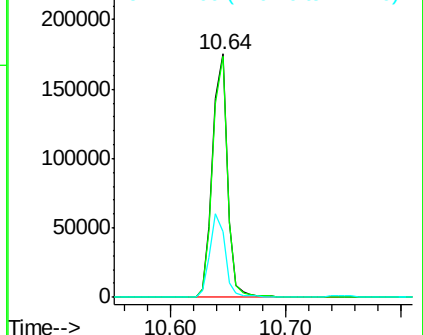
330 100

332 97.9 77.0 115.6

141 34.6 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: 71.572 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

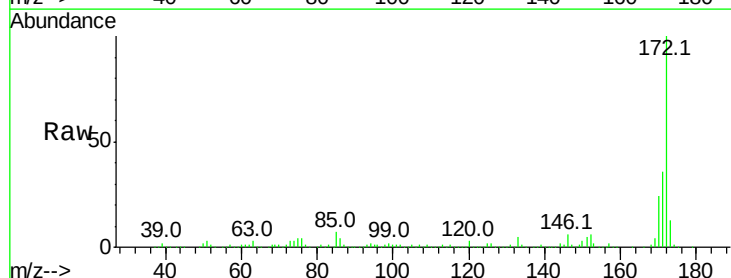
Tgt Ion:172 Resp: 832451

Ion Ratio Lower Upper

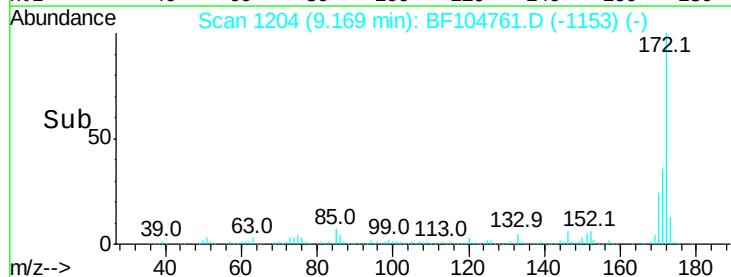
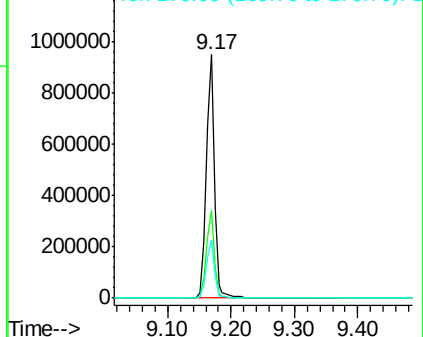
172 100

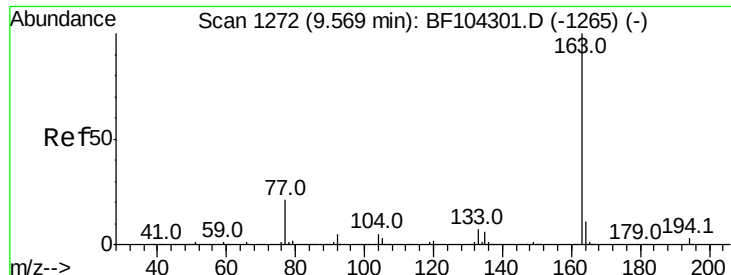
171 36.0 29.7 44.5

170 23.7 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

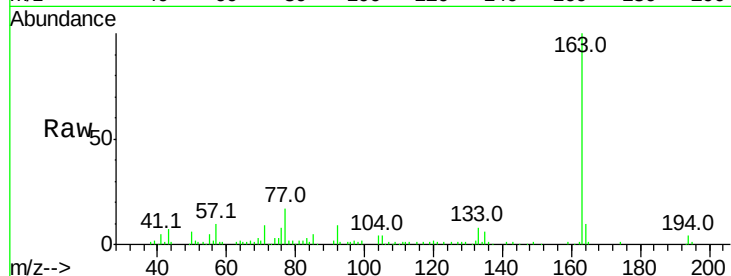




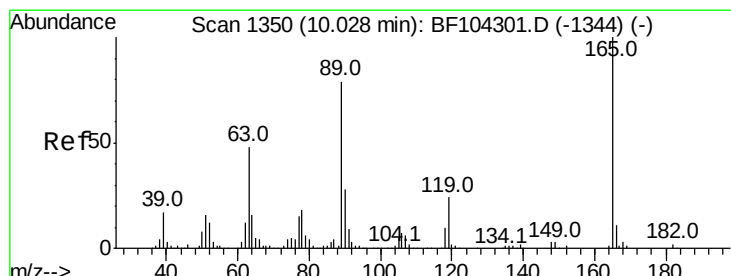
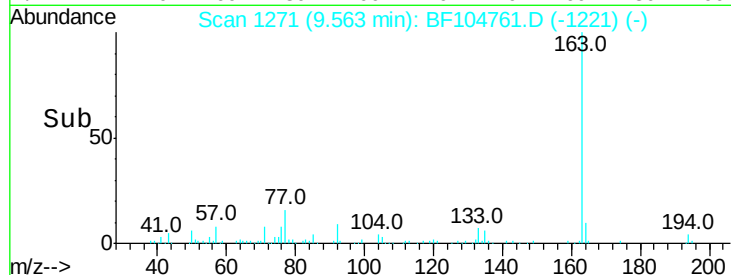
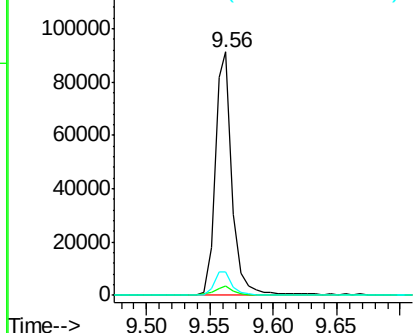
#49
Dimethylphthalate
Concen: 5.934 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 85985
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2

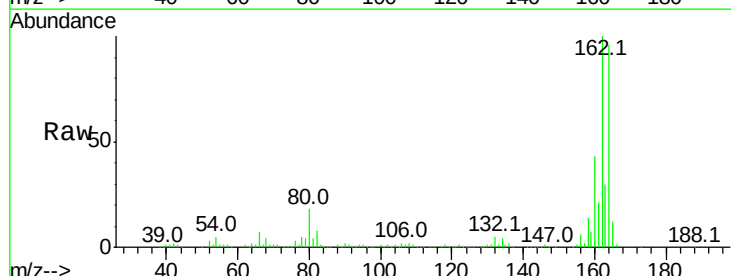


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

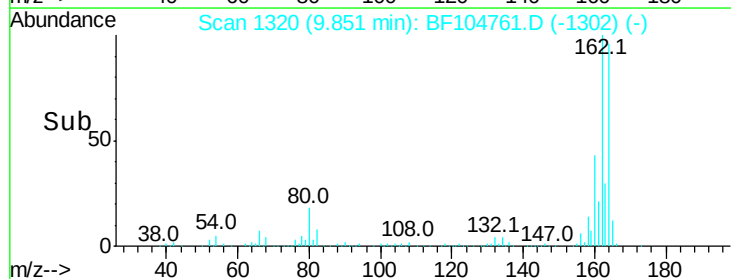
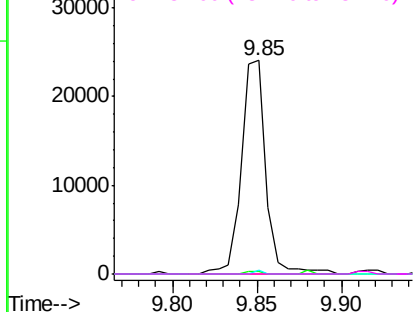


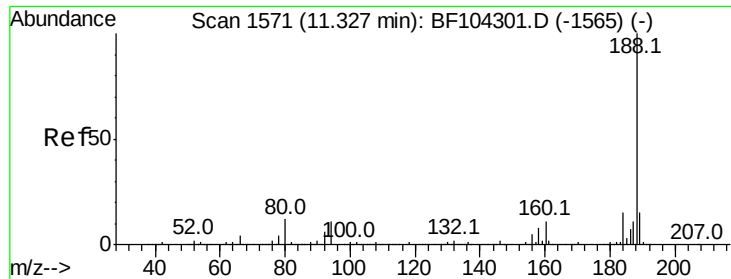
#56
2,4-Dinitrotoluene
Concen: 6.946 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Tgt Ion:165 Resp: 24427
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

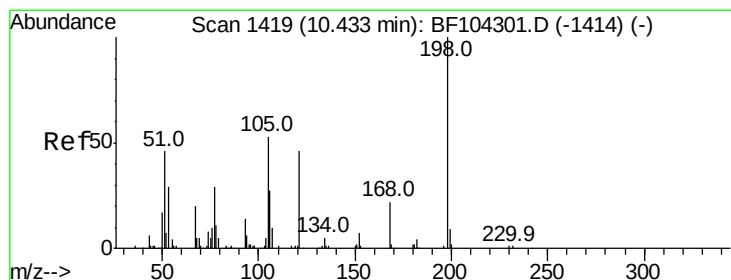
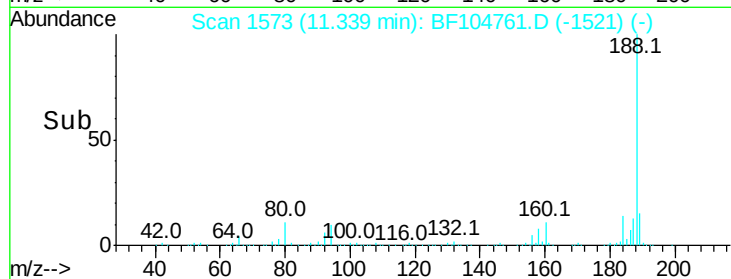
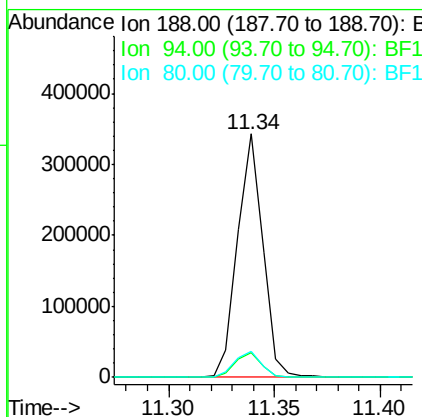
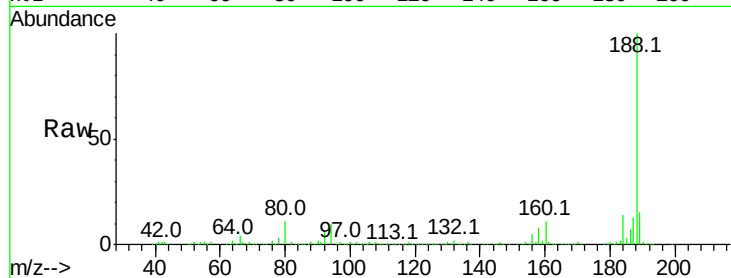




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

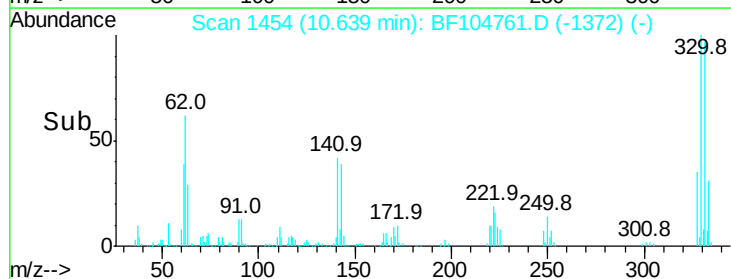
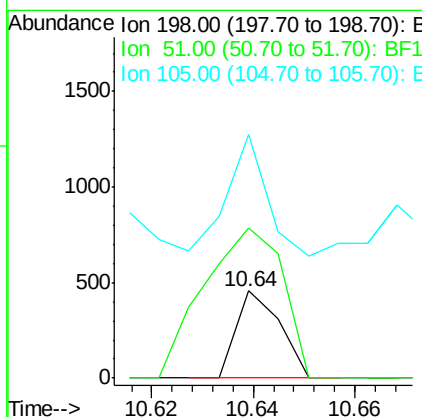
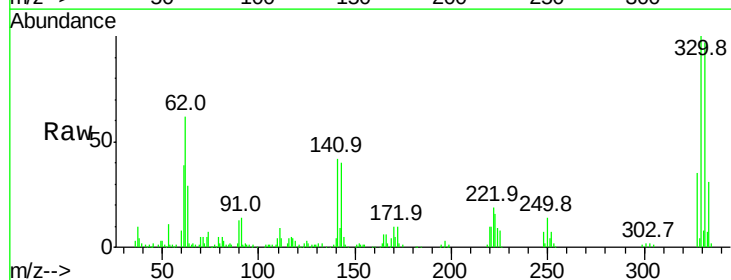
Instrument :
 BNA_F
 ClientSampleId :

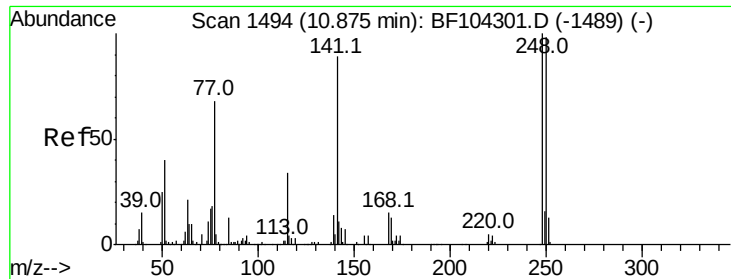
Tot Ion:188 Resp: 284073
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.512 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

Tgt Ion:198 Resp: 270
 Ion Ratio Lower Upper
 198 100
 51 172.1 37.7 77.7#
 105 279.4 36.3 76.3#

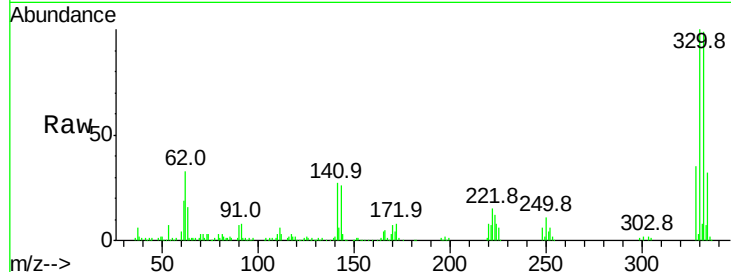




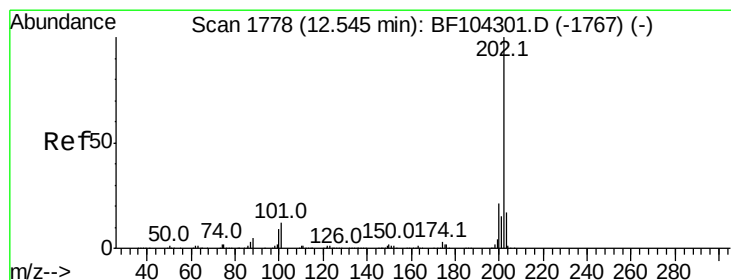
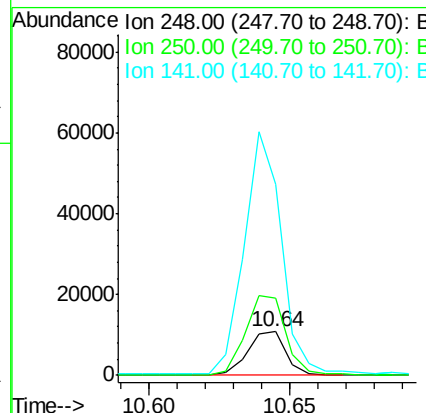
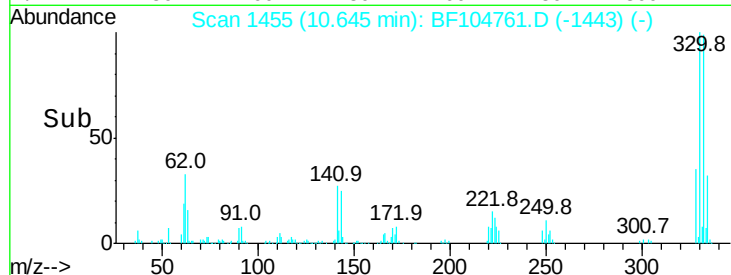
#66
 4-Bromophenyl-phenylether
 Concen: 3.349 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	178.5	76.9	115.3#
141	438.6	74.4	111.6#

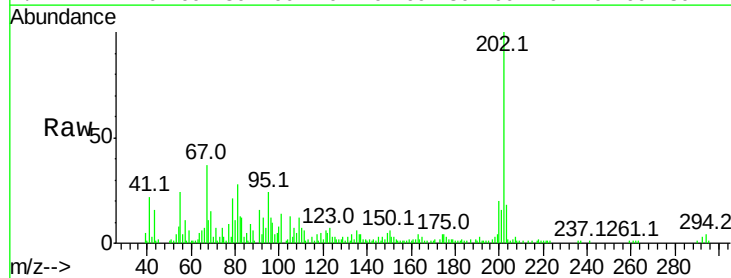


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

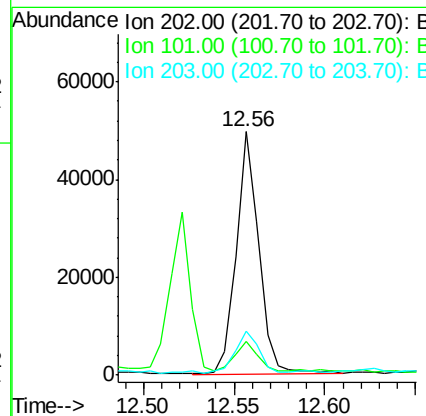
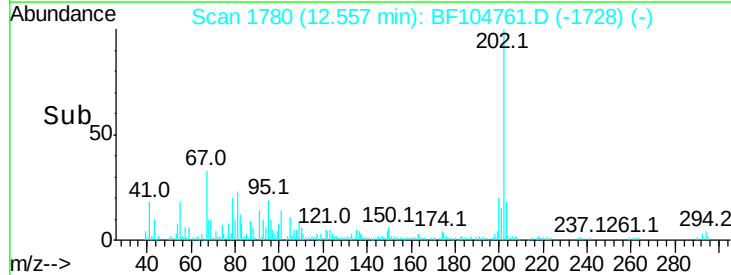


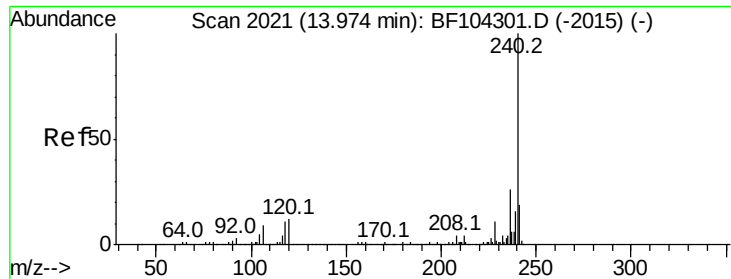
#74
 Fluoranthene
 Concen: 2.598 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	18.2	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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Instrument :

BNA_F

ClientSampleId :

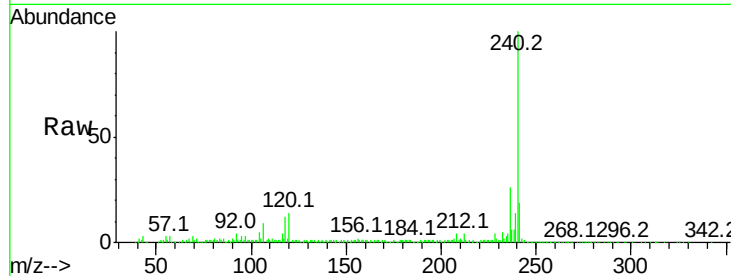
Tot Ion:240 Resp: 233139

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

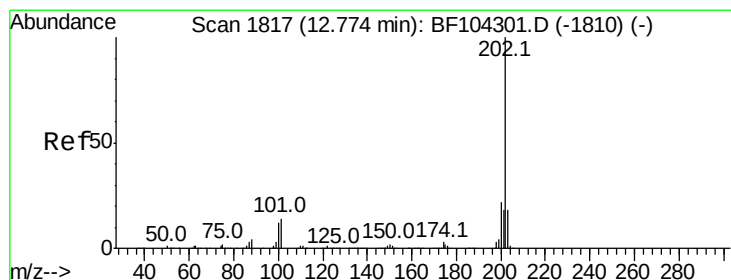
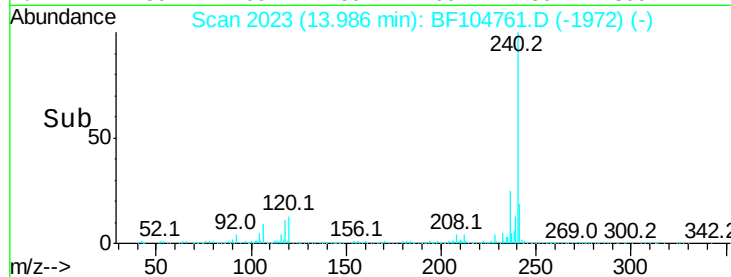
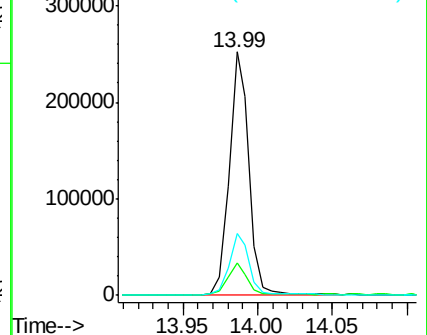
236 25.5 20.7 31.1



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: 2.342 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

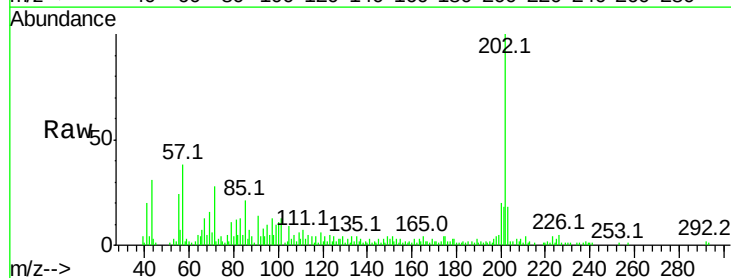
Tgt Ion:202 Resp: 40473

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

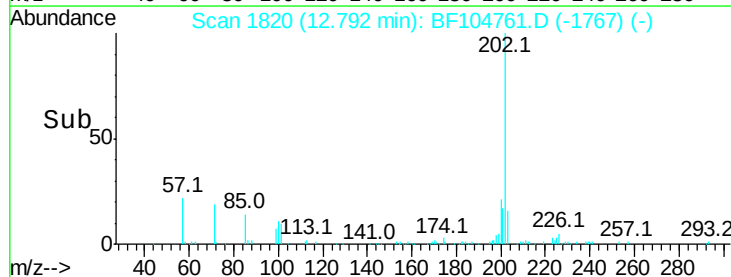
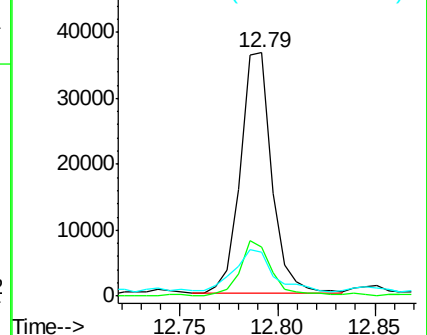
203 18.0 14.3 21.5

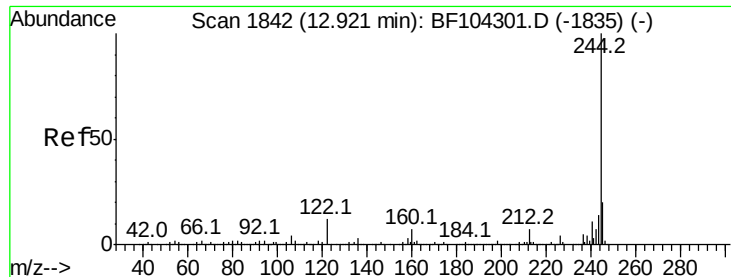


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

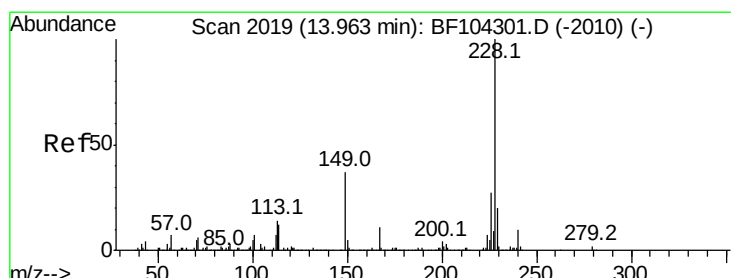
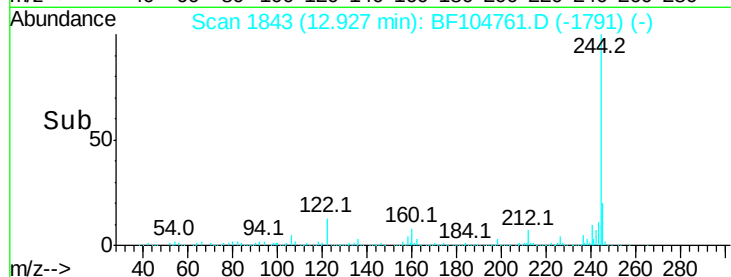
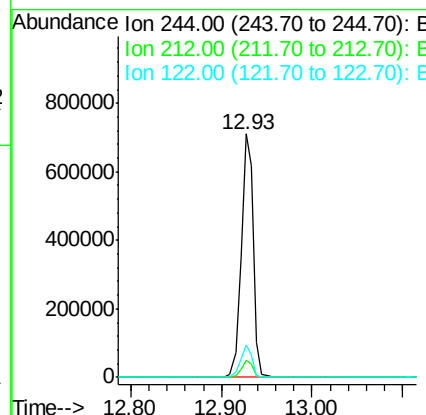
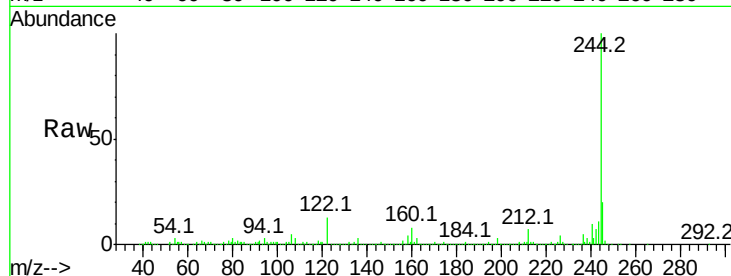




#78
 Terphenyl-d14
 Concen: 65.272 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

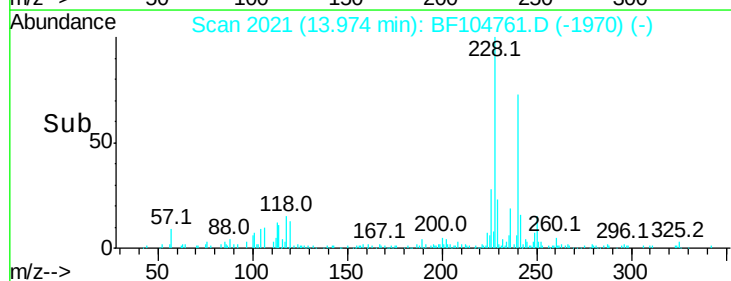
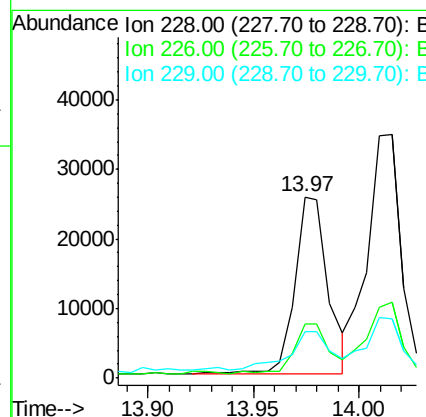
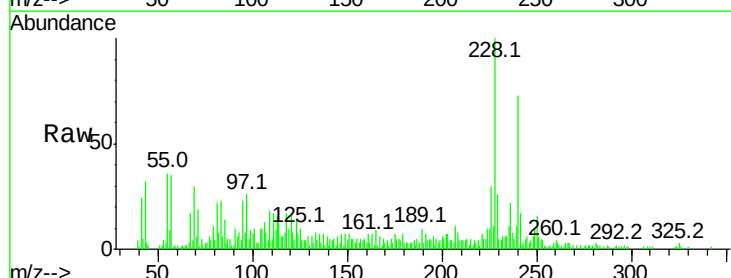
Instrument :
 BNA_F
 ClientSampleId :

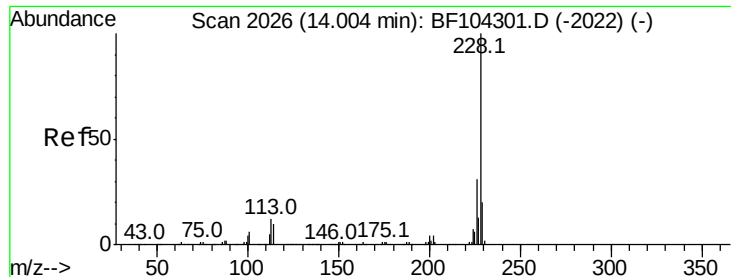
Tot Ion:244 Resp: 667481
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.014 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

Tgt Ion:228 Resp: 28054
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 25.9 15.8 23.6#

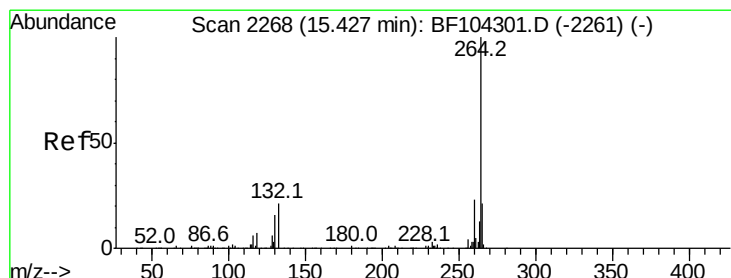
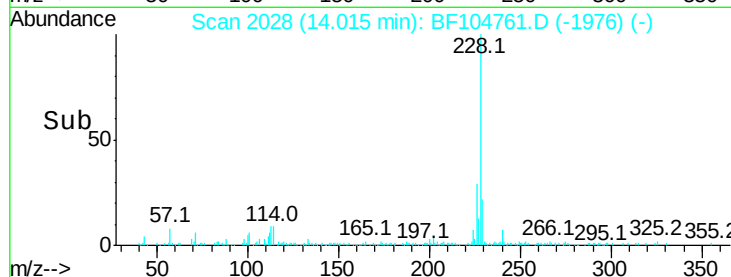
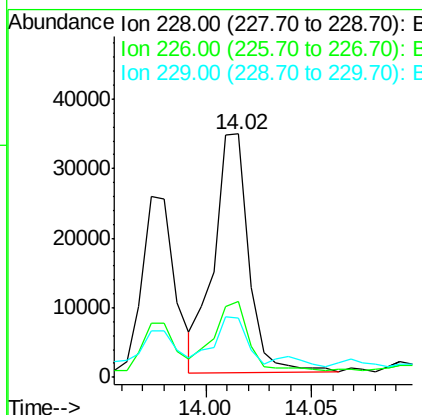
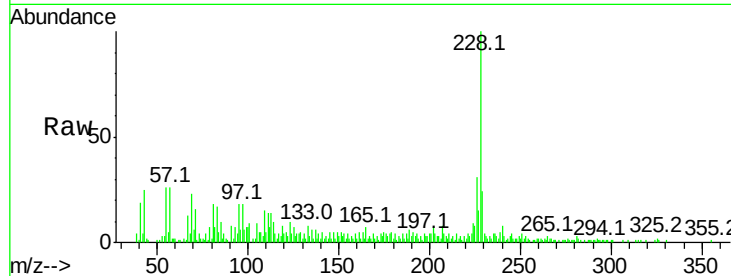




#82
 Chrysene
 Concen: 2.755 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

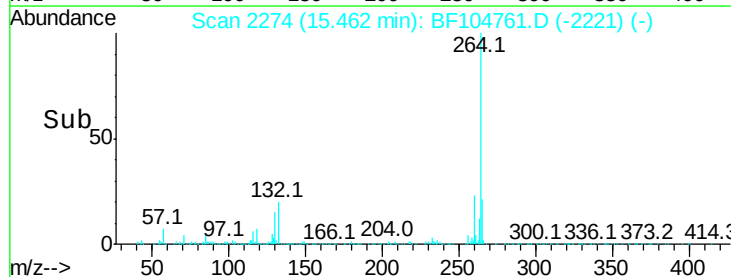
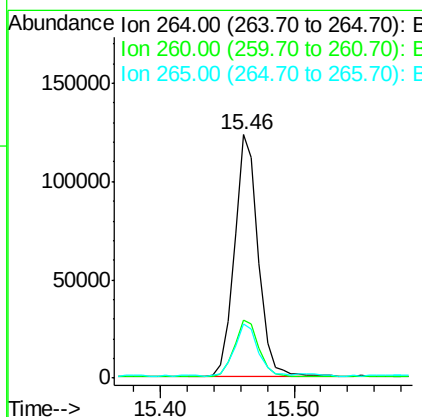
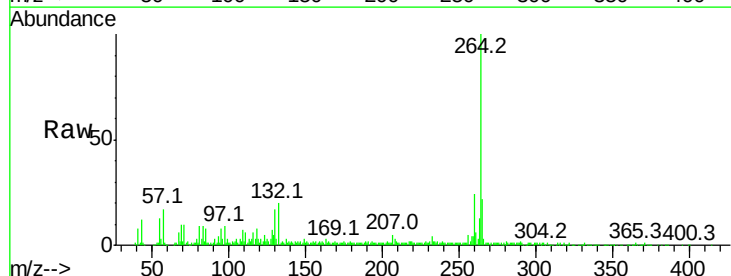
Instrument :
 BNA_F
 ClientSampleId :

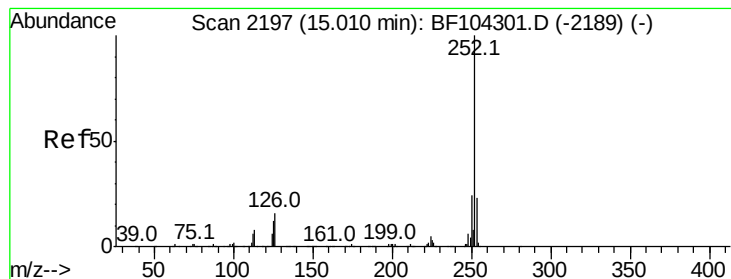
Tot Ion:228 Resp: 39420
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.0 37.6
 229 24.5 16.2 24.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF104761.D
 Acq: 24 Apr 2018 17:27

Tgt Ion:264 Resp: 153267
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.0 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.199 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

Instrument :

BNA_F

ClientSampleId :

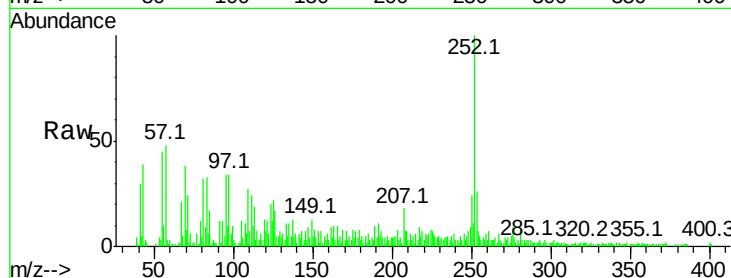
Tot Ion:252 Resp: 40643

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

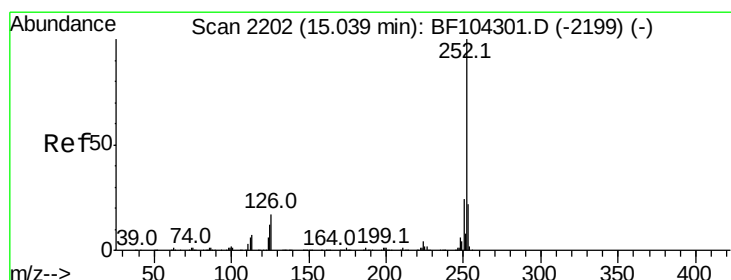
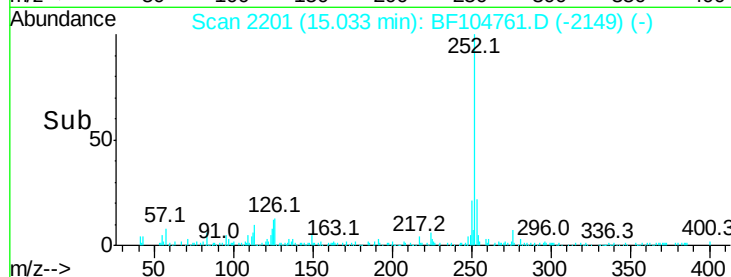
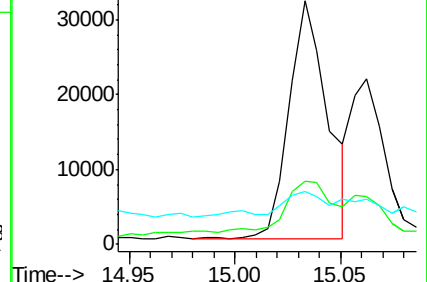
125 21.6 9.0 13.6#



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: 2.727 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF104761.D

Acq: 24 Apr 2018 17:27

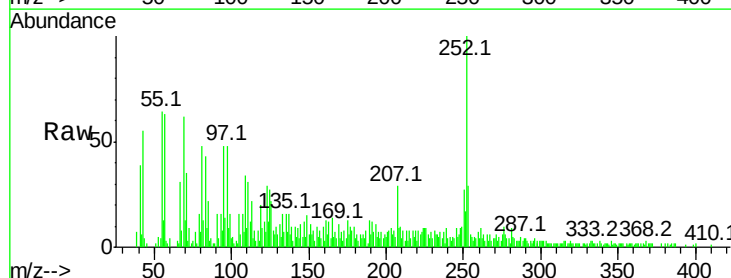
Tgt Ion:252 Resp: 24918

Ion Ratio Lower Upper

252 100

253 28.9 17.9 26.9#

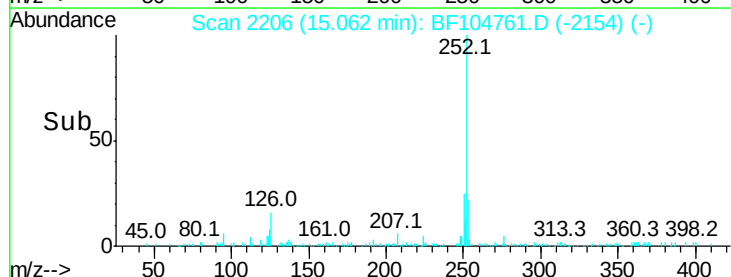
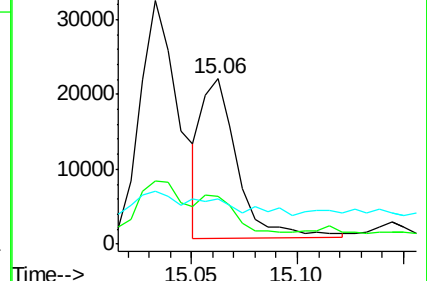
125 27.0 10.2 15.2#

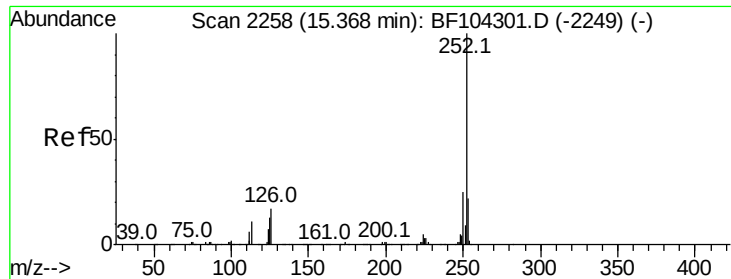


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

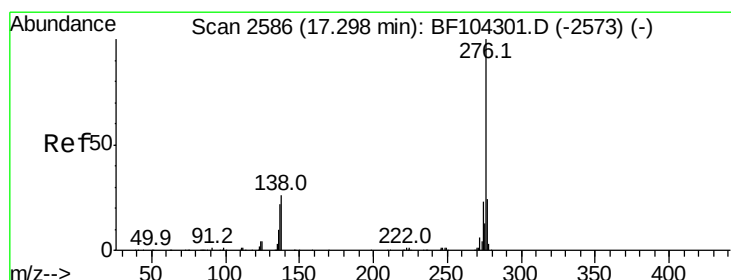
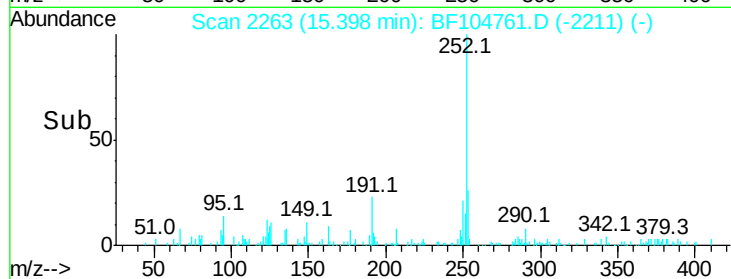
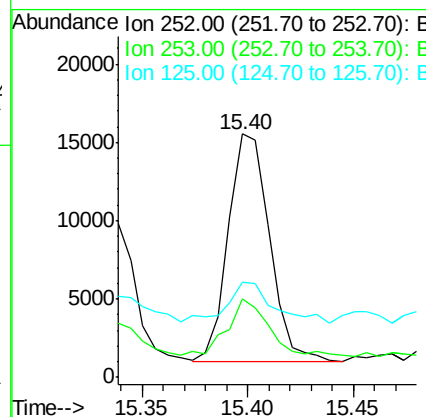
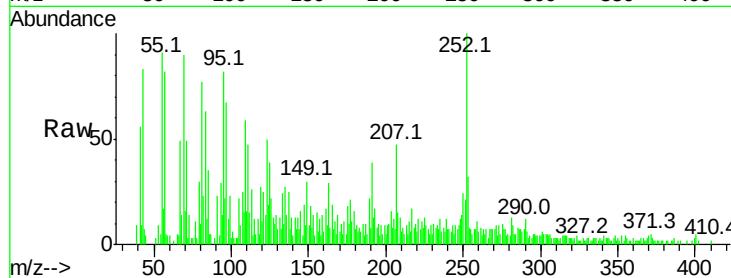




#89
Benzo(a)pyrene
Concen: 2.282 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.1	25.7#
125	39.2	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.743 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF104761.D
Acq: 24 Apr 2018 17:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.5	17.9	26.9#
138	32.9	21.8	32.8#

