

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104760.D
 Acq On : 24 Apr 2018 17:00
 Operator : JU/SJ
 Sample : J2511-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:56:47 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	6.81	152	117770	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	484878	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	209331	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	330817	20.00	ng	0.00
75) Chrysene-d12	13.99	240	266872	20.00	ng	0.00
86) Perylene-d12	15.46	264	200549	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	951408	123.53	ng	0.02
7) Phenol-d6	6.46	99	1166284	123.24	ng	0.01
23) Nitrobenzene-d5	7.37	82	719585	96.91	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	256343	118.05	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1120089	84.53	ng	0.00
78) Terphenyl-d14	12.93	244	897256	76.65	ng	0.00

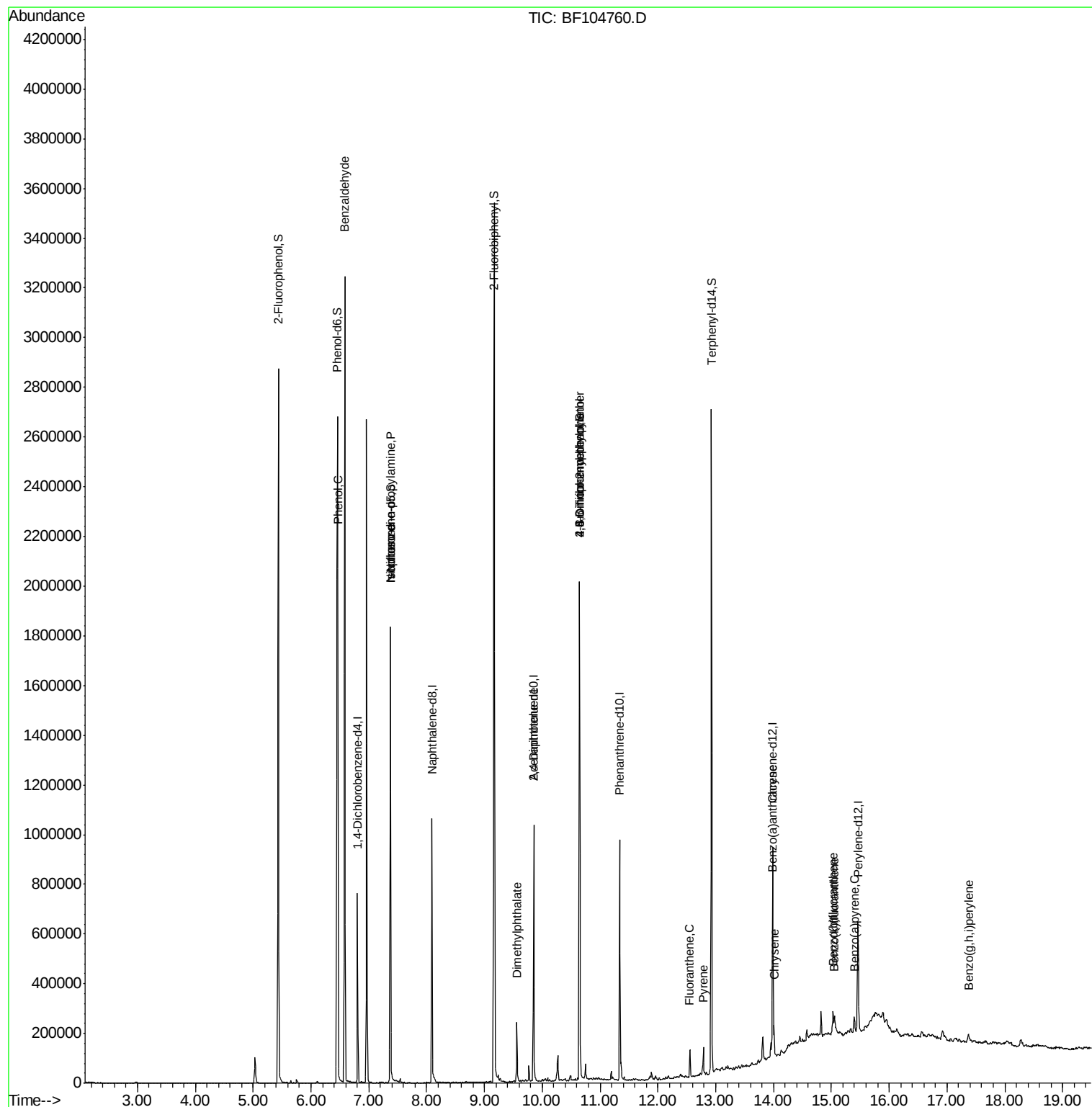
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	21277	2.151	ng	88
10) Phenol	6.47	94	25390	2.529	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	94226	15.237	ng	# 71
25) Isophorone	7.37	82	719687	45.833	ng	# 64
49) Dimethylphthalate	9.56	163	105617	6.398	ng	100
56) 2,4-Dinitrotoluene	9.85	165	26810	6.691	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.65	198	340	7.526	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	15305	4.349	ng	# 1
74) Fluoranthene	12.56	202	46894	2.436	ng	96
76) Benzidine	12.93	184	11588	Below Cal		96
77) Pyrene	12.79	202	48158	2.434	ng	98
80) Benzo(a)anthracene	13.97	228	37582	2.357	ng	99
82) Chrysene	14.01	228	43351	2.647	ng	98
87) Benzo(b)fluoranthene	15.03	252	44725	3.531	ng	# 91
88) Benzo(k)fluoranthene	15.06	252	32829	2.745	ng	# 95
89) Benzo(a)pyrene	15.40	252	26968	2.380	ng	# 90
91) Benzo(a,h,i)perylene	17.37	276	22862	2.535	ng	97

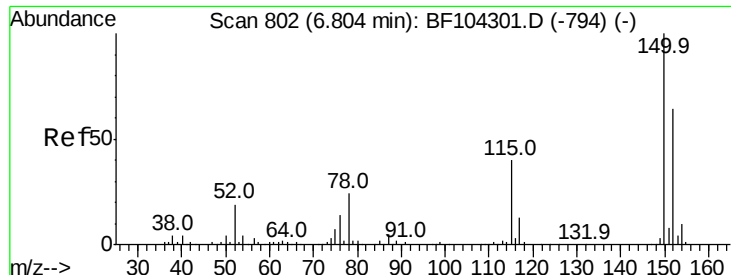
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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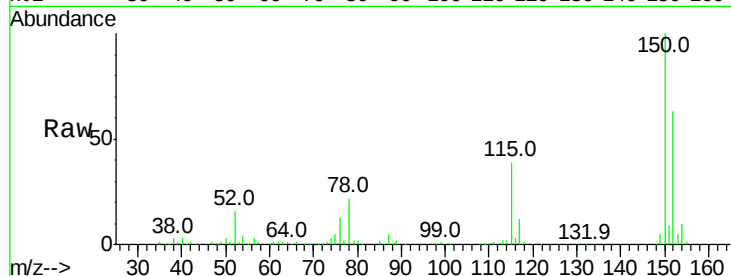


#1

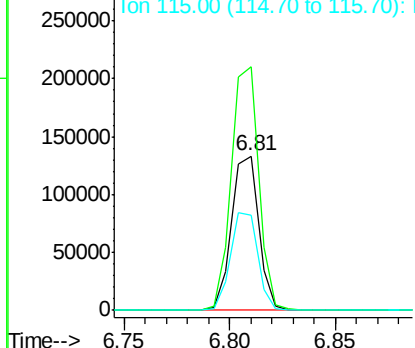
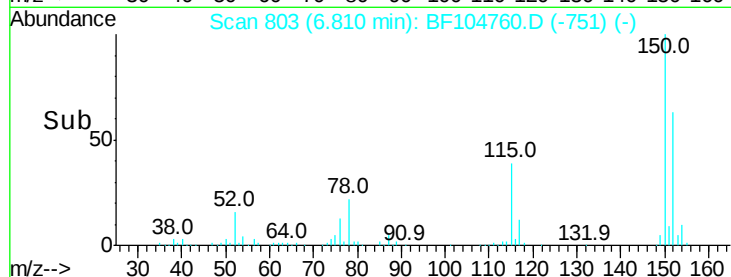
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117770
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.5 50.1 75.1



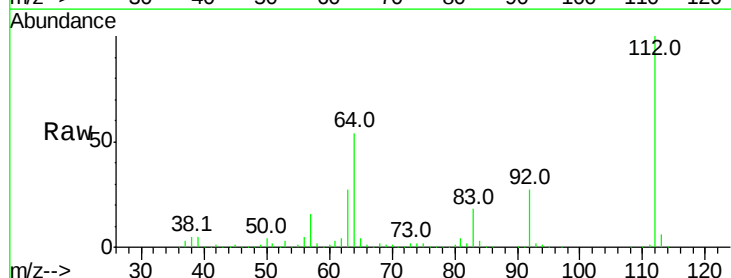
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



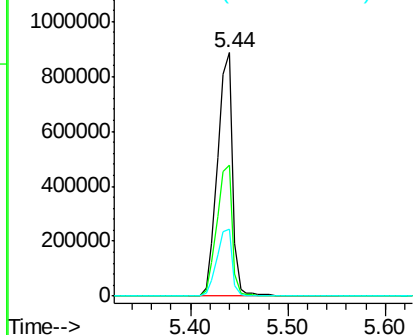
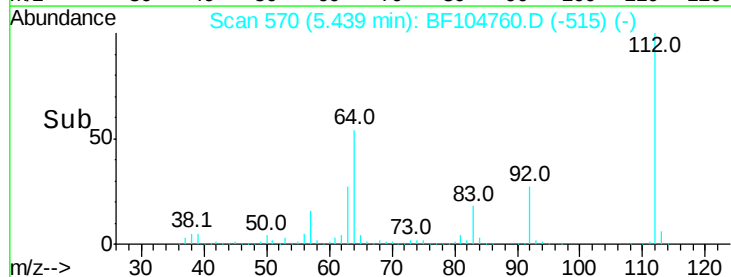
#5

2-Fluorophenol
Concen: 123.525 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:112 Resp: 951408
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.5 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: 123.241 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampled :

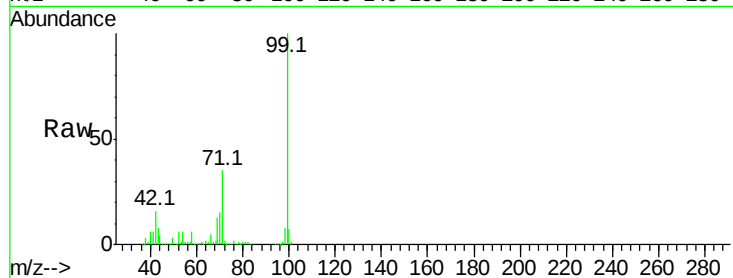
Tot Ion: 99 Resp: 1166284

Ion Ratio Lower Upper

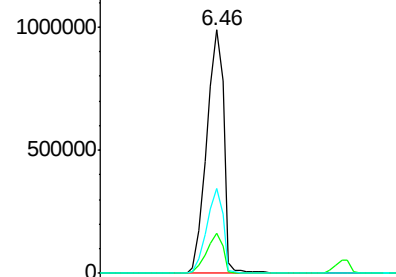
99 100

42 16.4 14.5 21.7

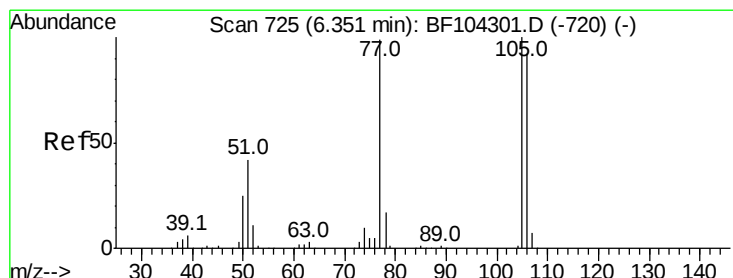
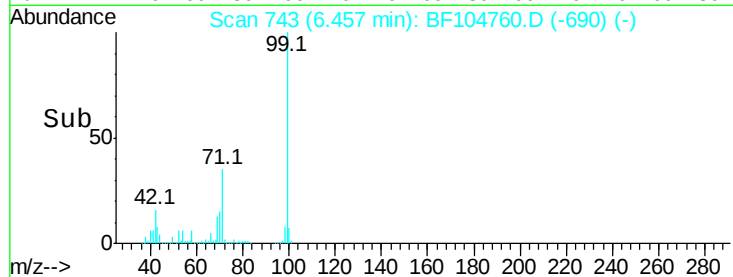
71 34.6 25.4 38.0



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



Time-->



#9

Benzaldehyde

Concen: 2.151 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.23 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

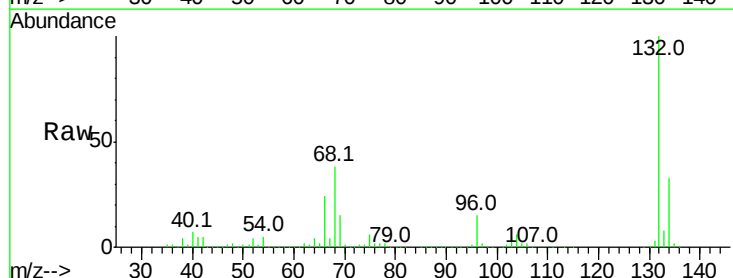
Tgt Ion: 77 Resp: 21277

Ion Ratio Lower Upper

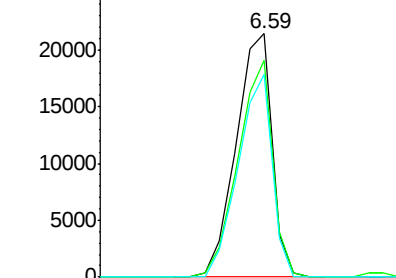
77 100

105 89.3 81.1 121.1

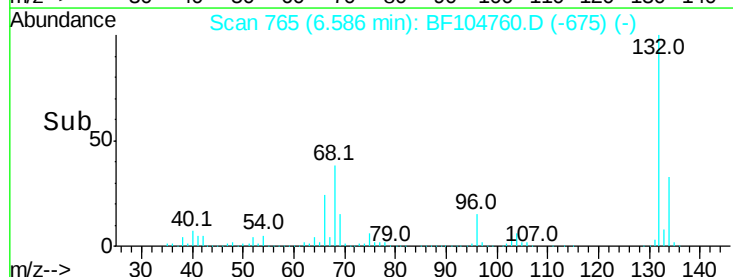
106 83.1 74.5 114.5

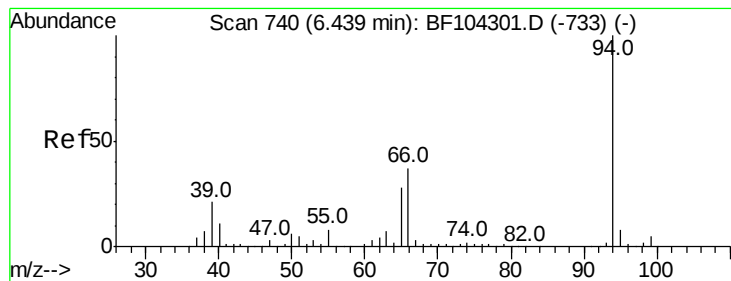


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



Time-->





#10

Phenol

Concen: 2.529 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

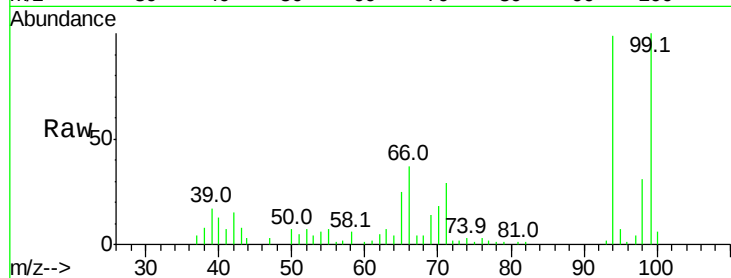
Tot Ion: 94 Resp: 25390

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

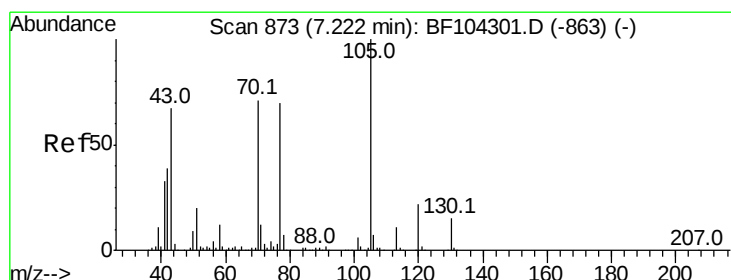
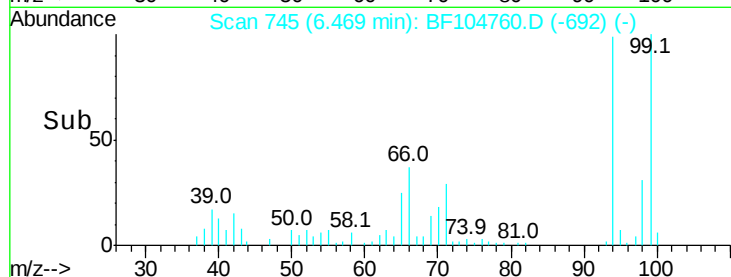
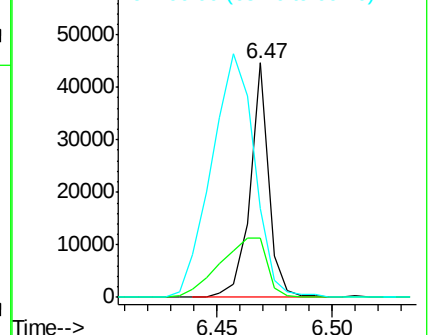
66 37.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.237 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Tgt Ion: 70 Resp: 94226

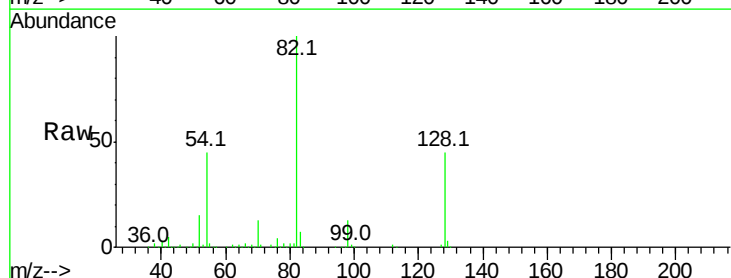
Ion Ratio Lower Upper

70 100

42 40.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

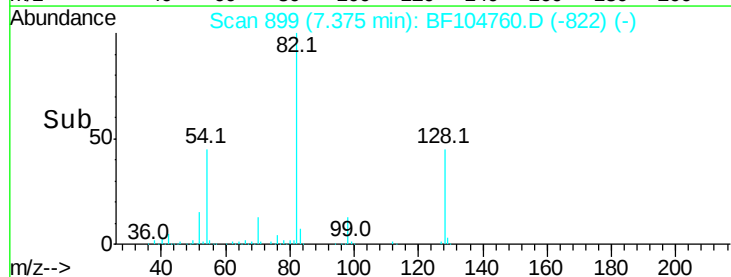
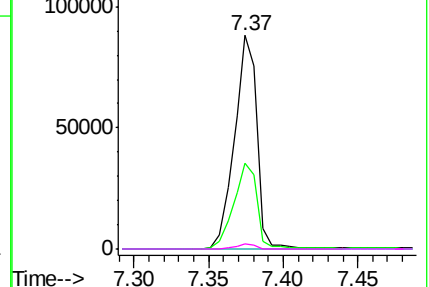


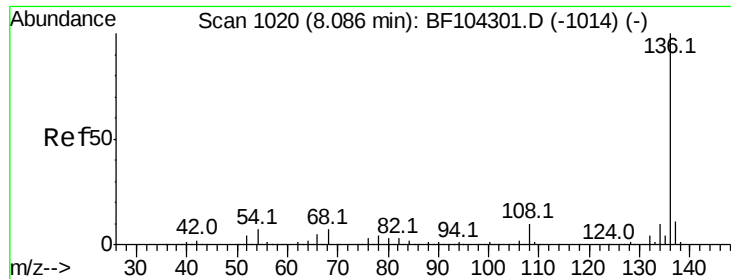
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

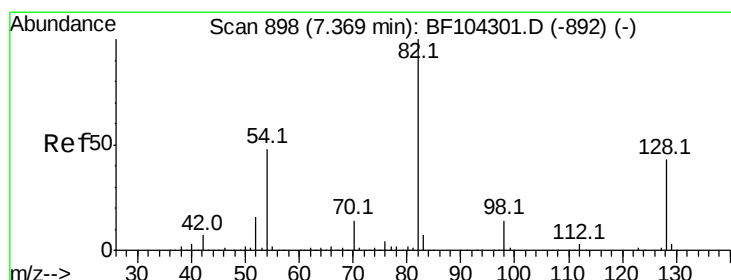
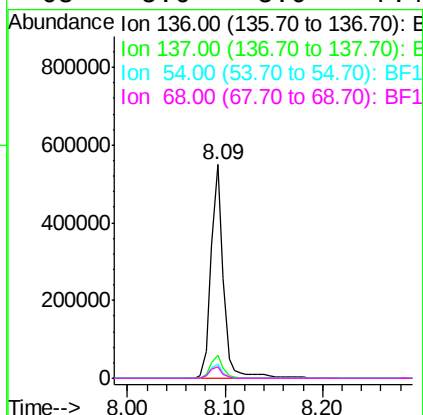
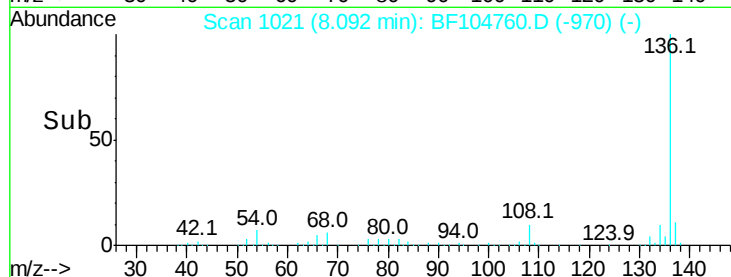
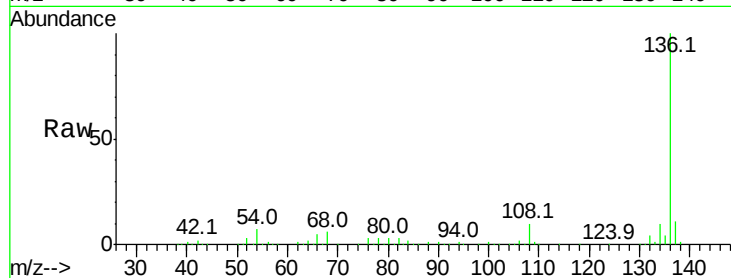




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

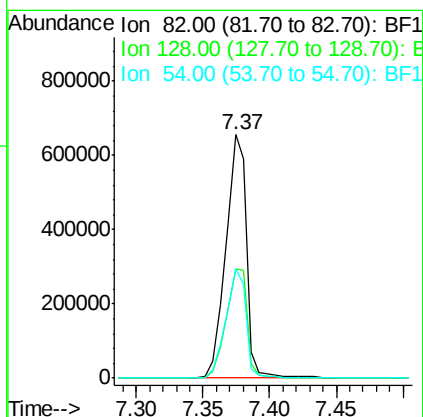
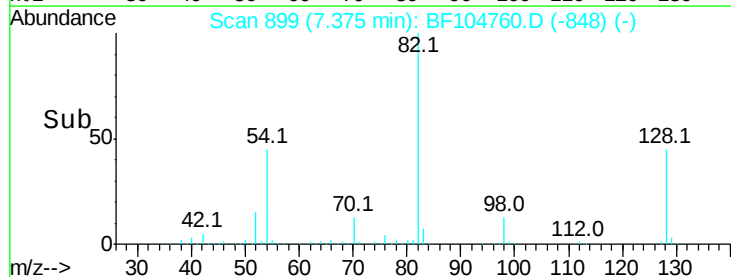
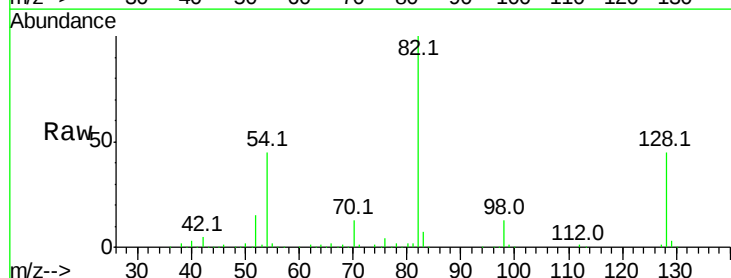
Instrument :
BNA_F
ClientSampleId :

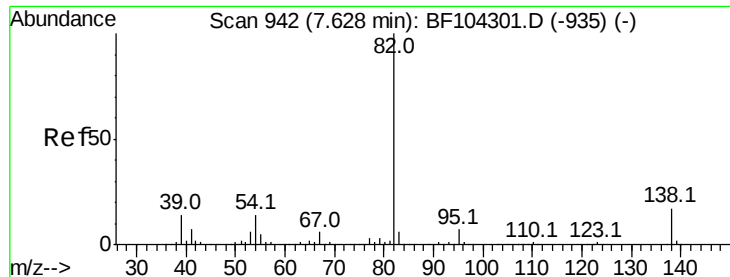
Tot Ion:	136	Resp:	484878
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 96.906 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:	82	Resp:	719585
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	44.9	41.4	62.2





#25

Isophorone

Concen: 45.833 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampled :

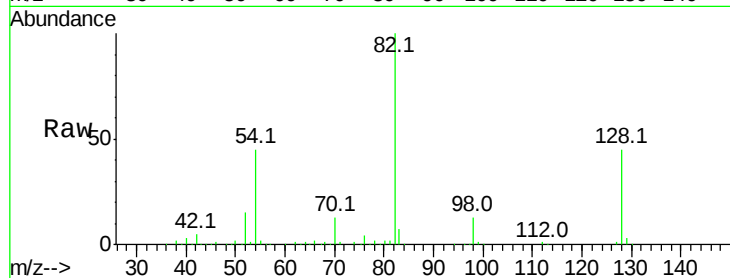
Tot Ion: 82 Resp: 719687

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

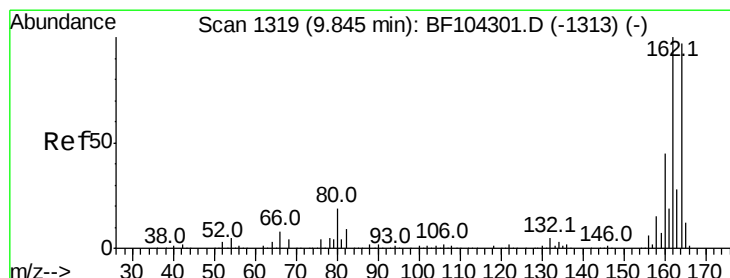
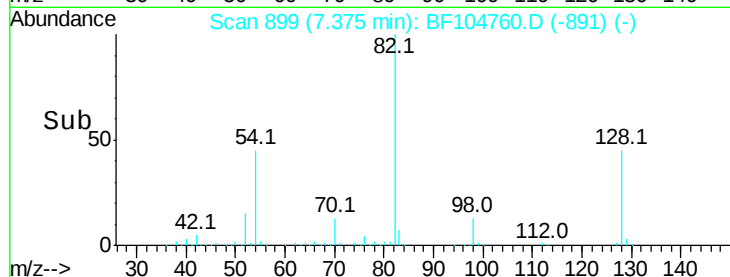
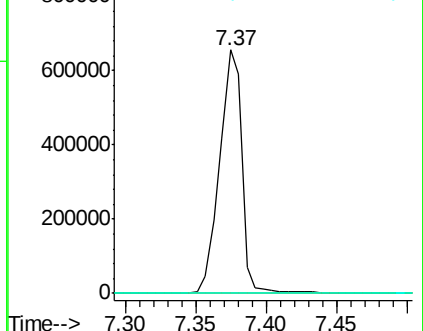
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

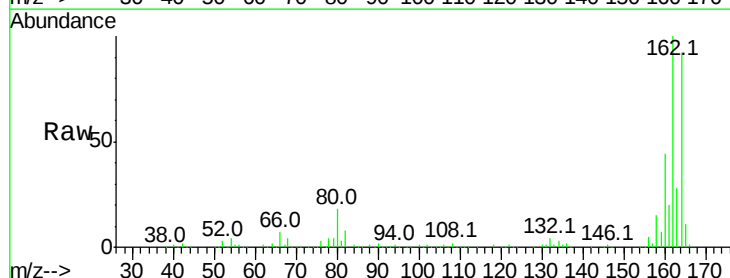
Tgt Ion:164 Resp: 209331

Ion Ratio Lower Upper

164 100

162 108.7 86.1 129.1

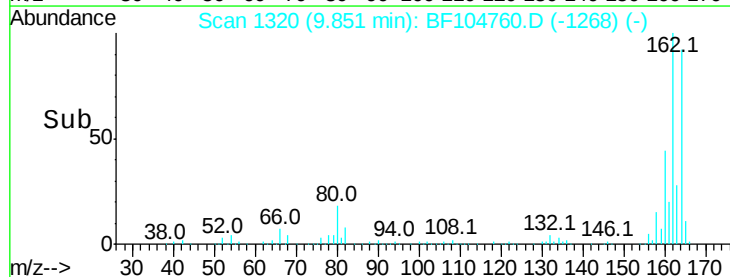
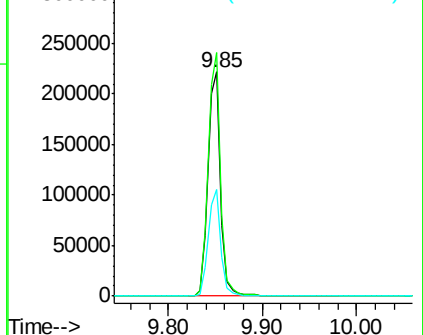
160 47.5 38.3 57.5

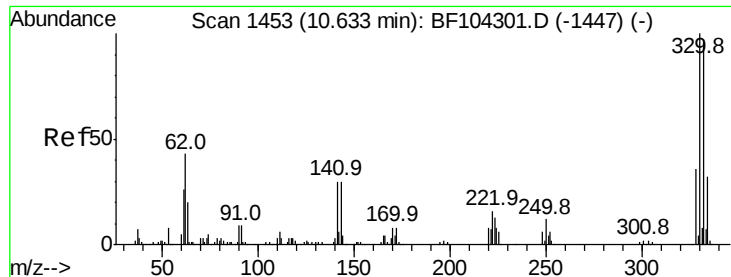


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

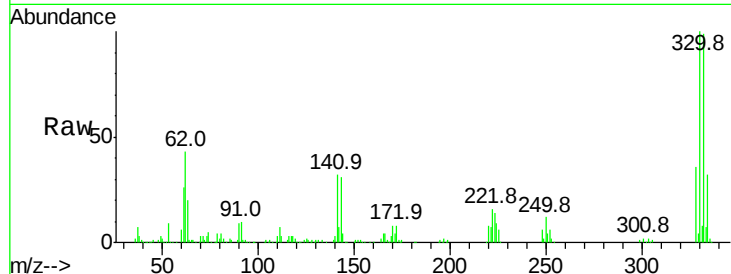




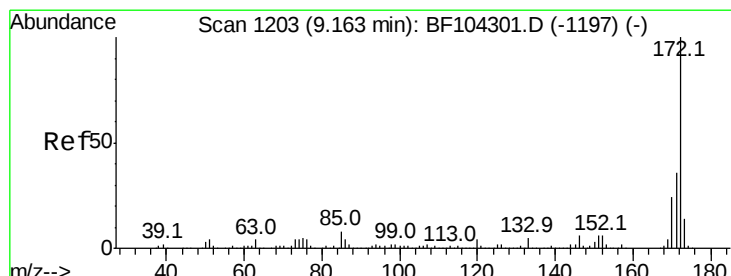
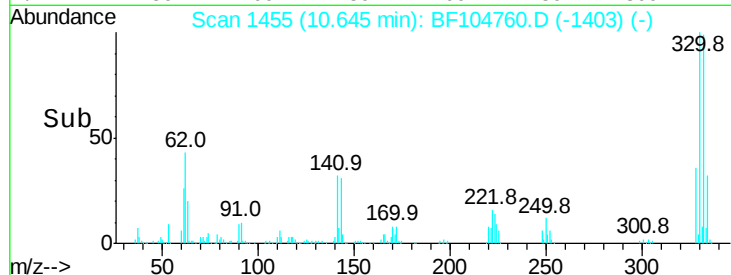
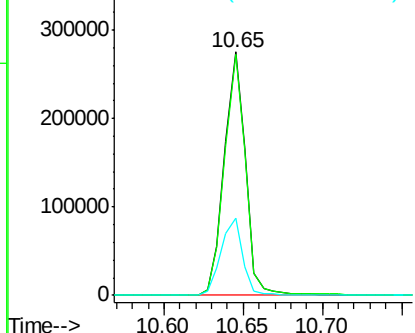
#41
 2,4,6-Tribromophenol
 Concen: 118.052 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	33.0	29.9	44.9

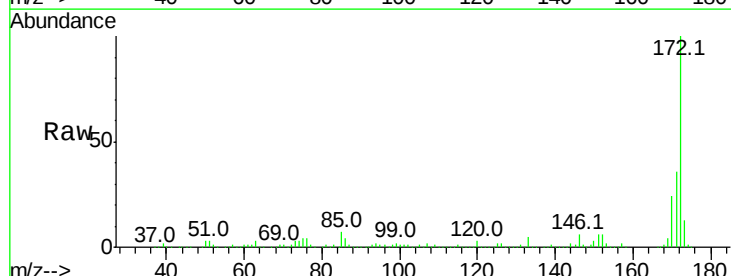


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

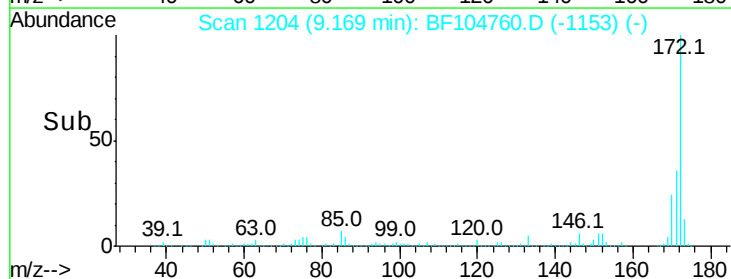
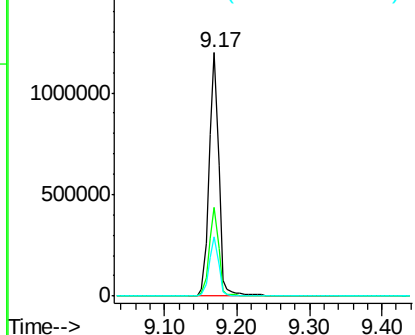


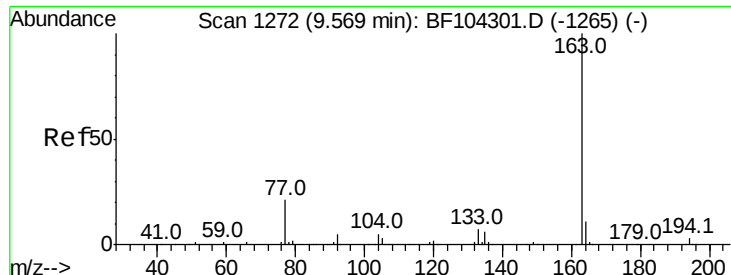
#44
 2-Fluorobiphenyl
 Concen: 84.529 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	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

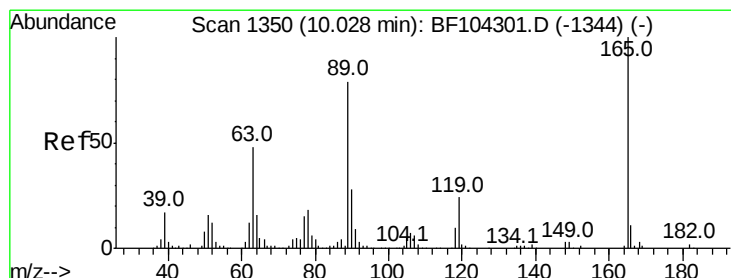
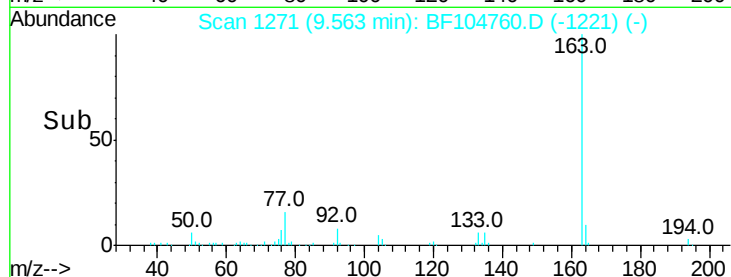
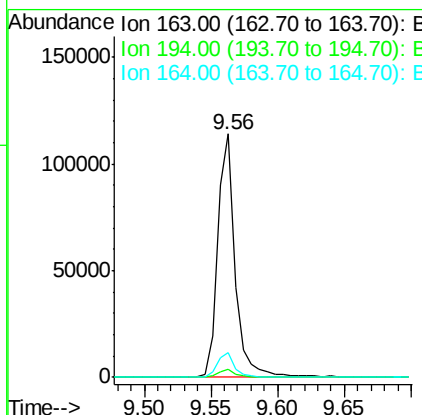
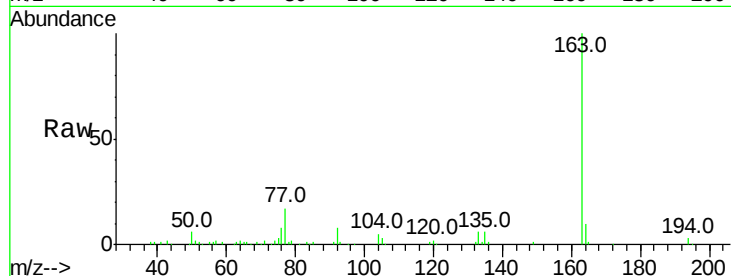




#49
 Dimethylphthalate
 Concen: 6.398 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

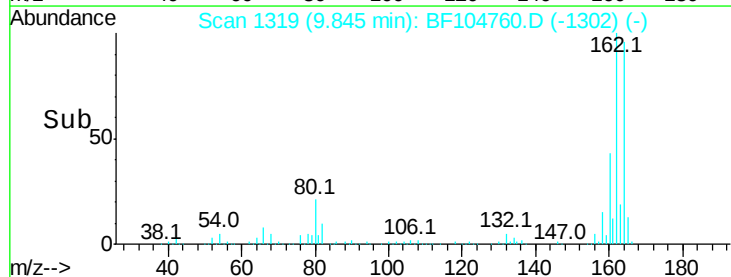
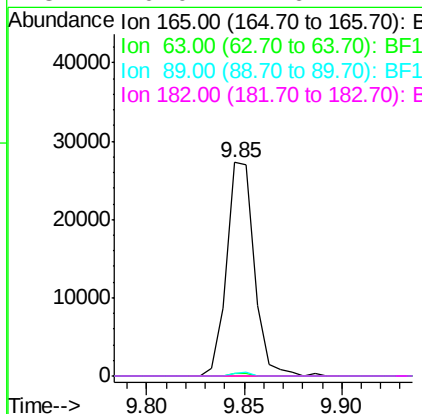
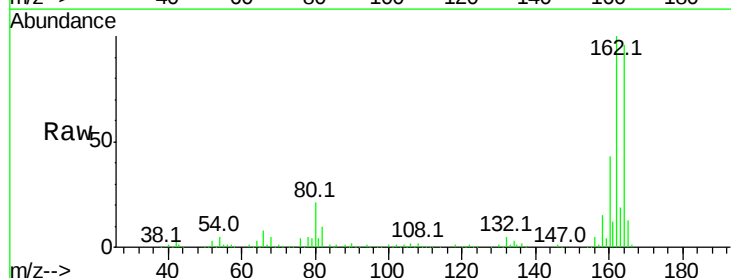
Instrument :
 BNA_F
 ClientSampleId :

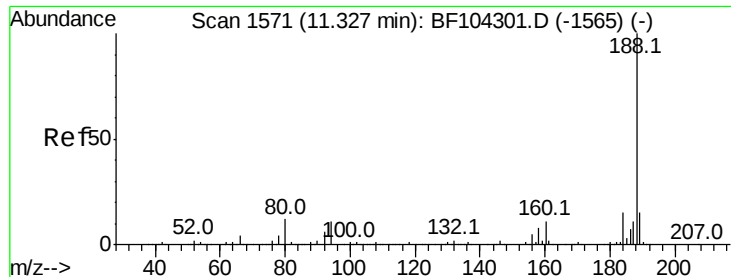
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.3	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.691 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

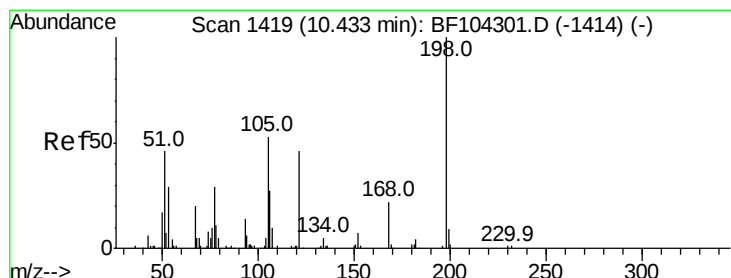
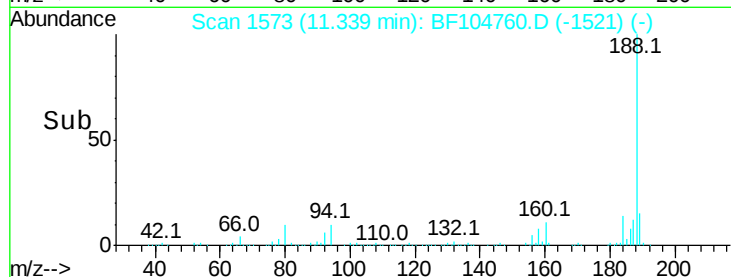
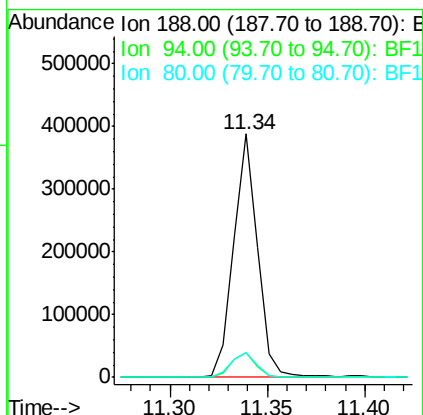
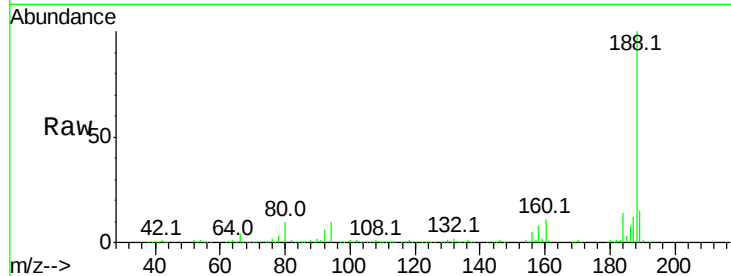




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

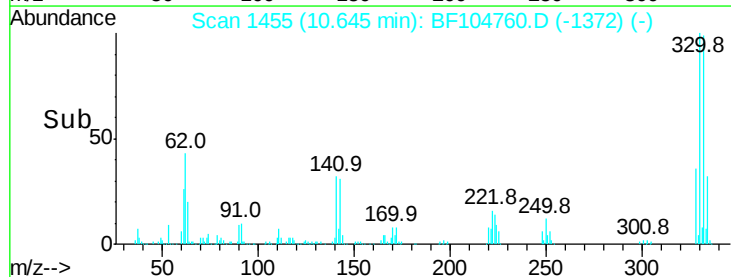
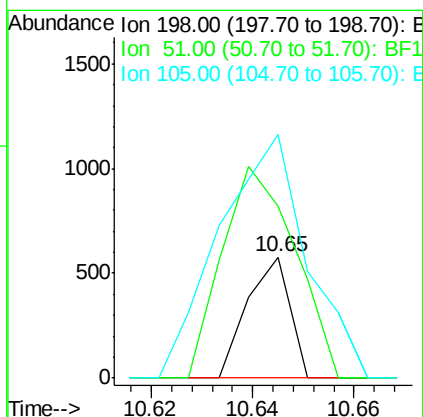
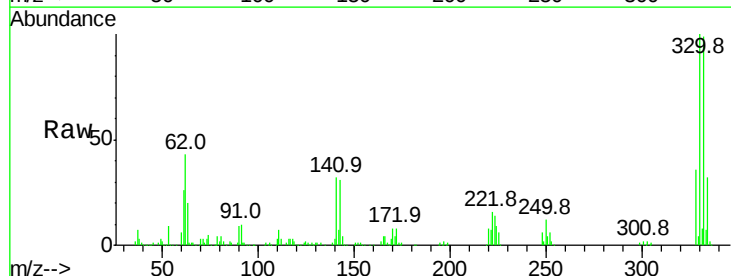
Instrument :
BNA_F
ClientSampleId :

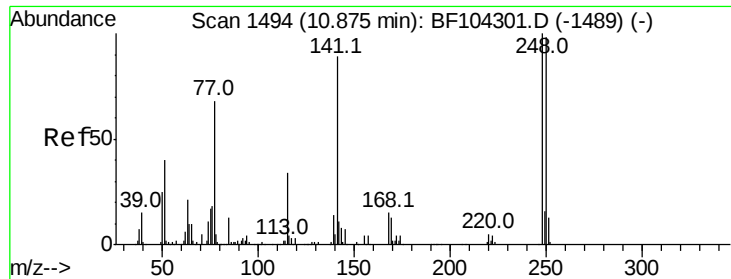
Tot Ion:188 Resp: 330817
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.526 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:198 Resp: 340
Ion Ratio Lower Upper
198 100
51 142.1 37.7 77.7#
105 200.7 36.3 76.3#

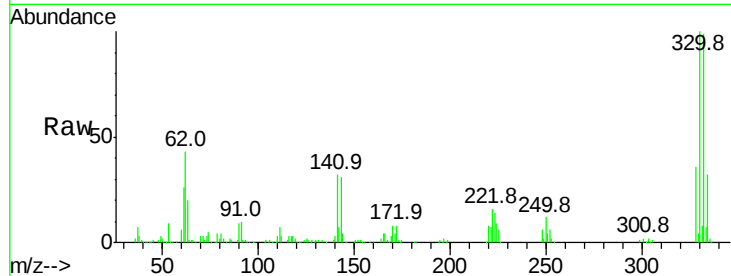




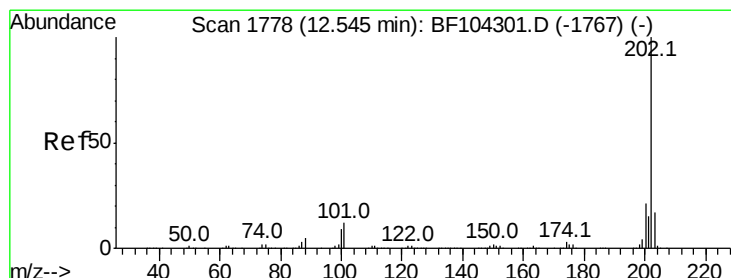
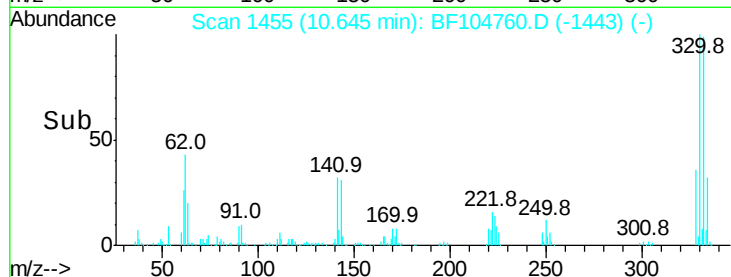
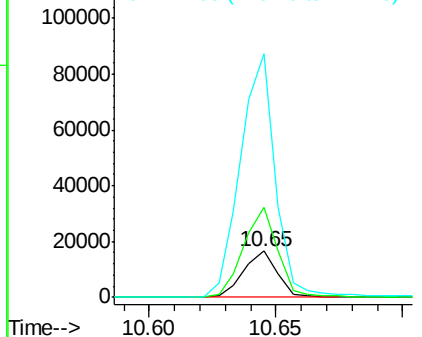
#66
4-Bromophenyl-phenylether
Concen: 4.349 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15305
Ion Ratio Lower Upper
248 100
250 195.4 76.9 115.3#
141 524.8 74.4 111.6#

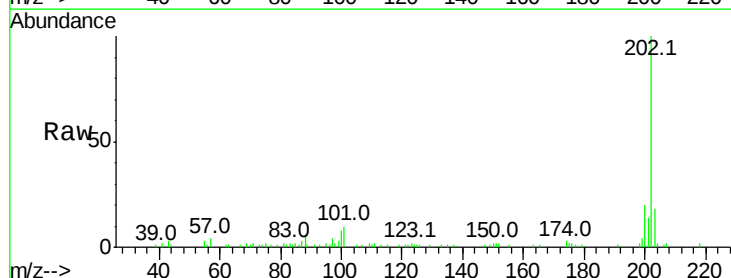


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

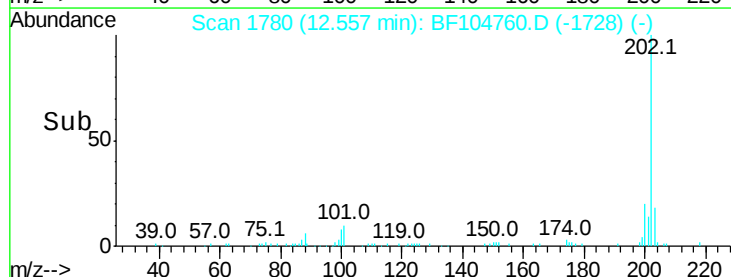
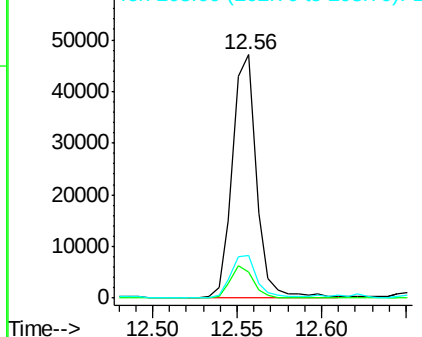


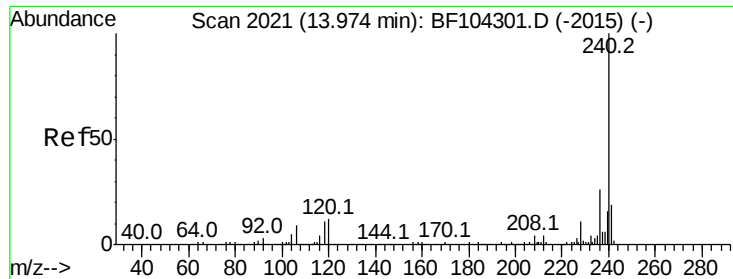
#74
Fluoranthene
Concen: 2.436 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:202 Resp: 46894
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 17.7 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: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

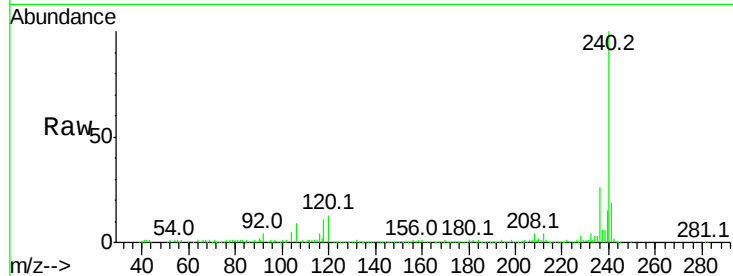
Tot Ion:240 Resp: 266872

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

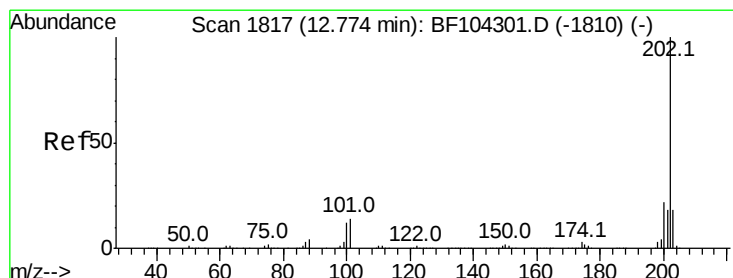
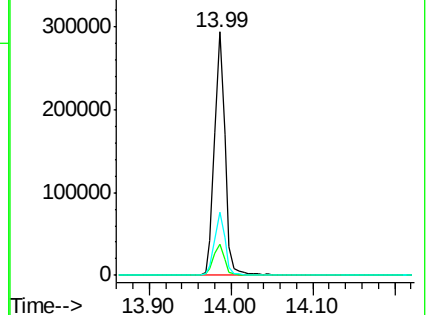
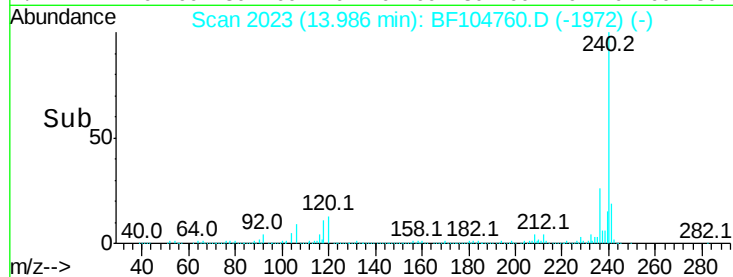
236 25.9 20.7 31.1



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: 2.434 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

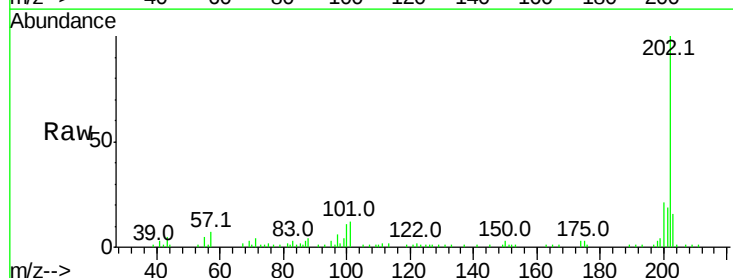
Tgt Ion:202 Resp: 48158

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

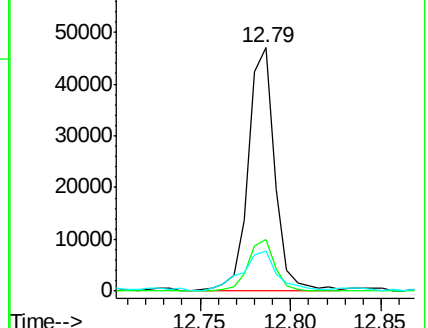
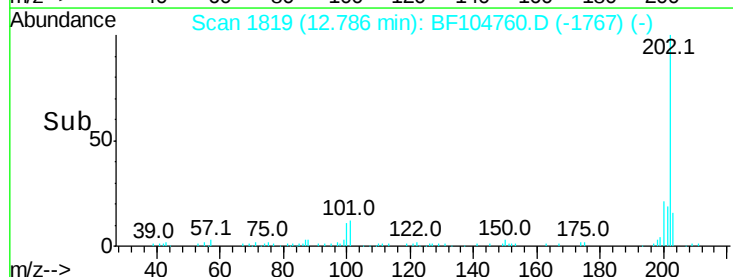
203 16.4 14.3 21.5

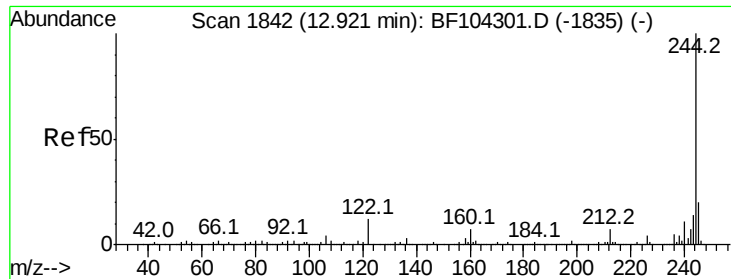


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

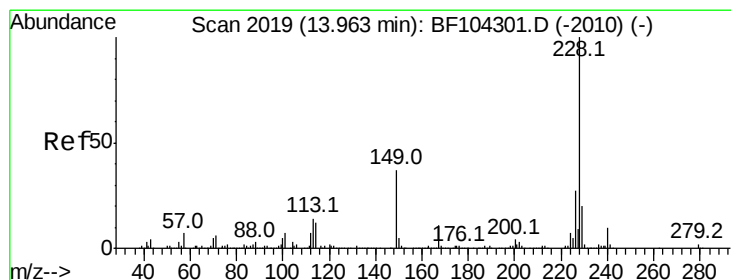
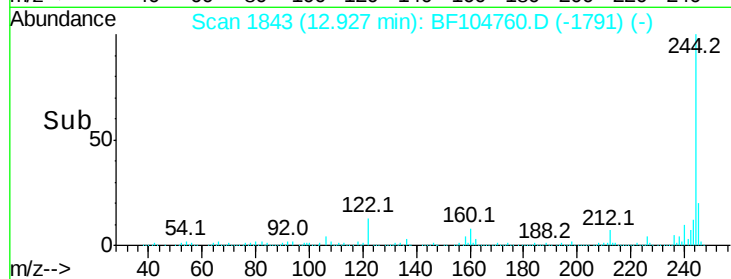
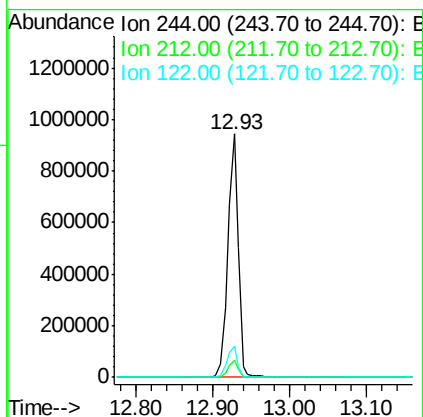
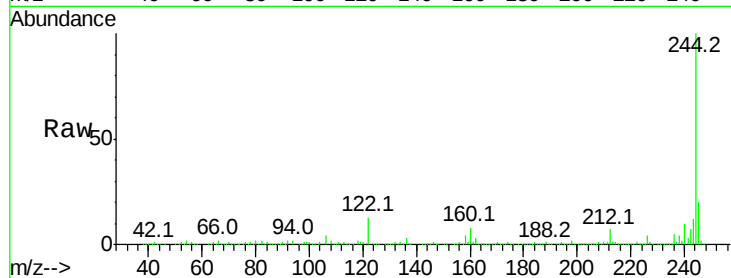




#78
 Terphenyl-d14
 Concen: 76.651 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

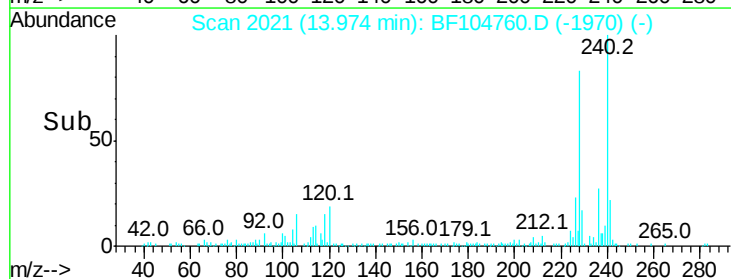
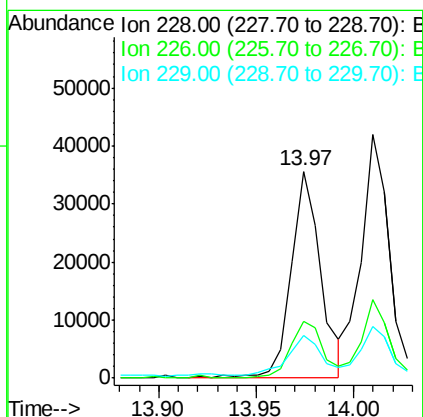
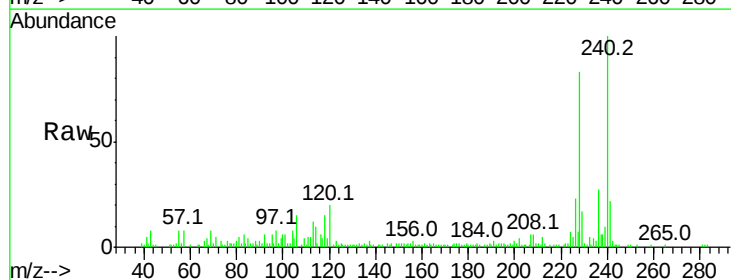
Instrument :
 BNA_F
 ClientSampleId :

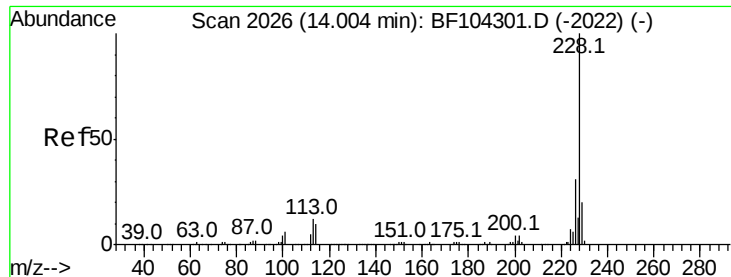
Tot Ion:244 Resp: 897256
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.357 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Tgt Ion:228 Resp: 37582
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 20.5 15.8 23.6





#82

Chrysene

Concen: 2.647 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampled :

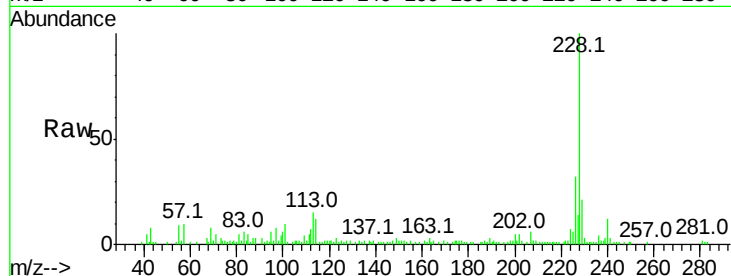
Tot Ion:228 Resp: 43351

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

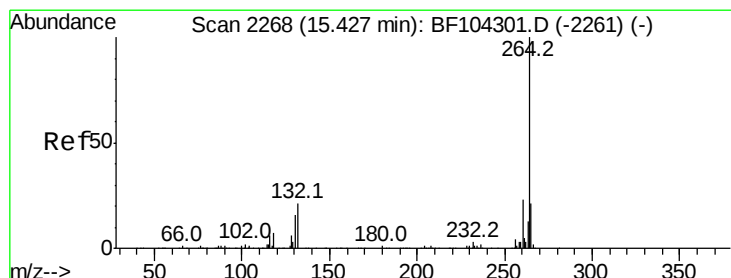
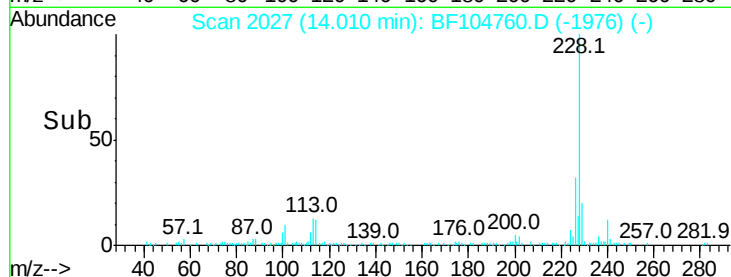
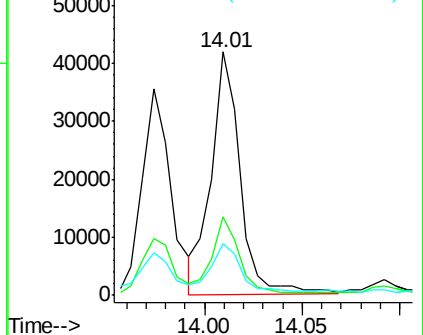
229 21.4 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

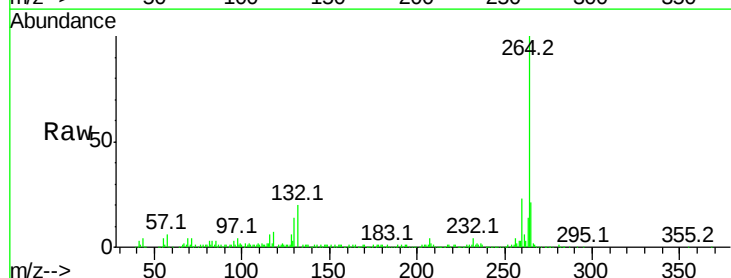
Tgt Ion:264 Resp: 200549

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

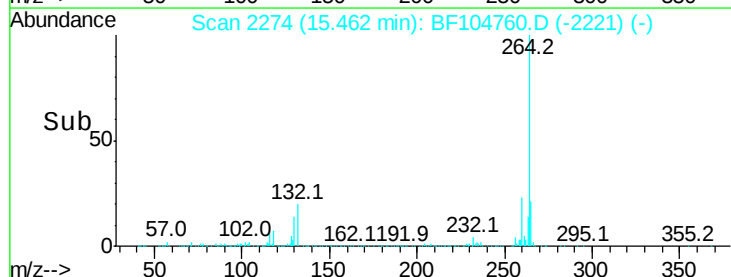
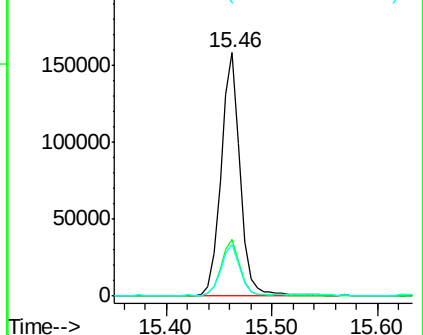
265 21.3 17.5 26.3

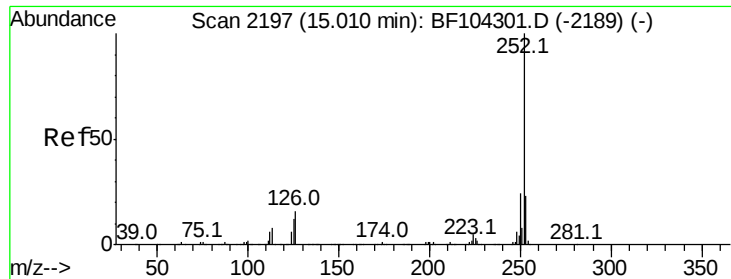


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

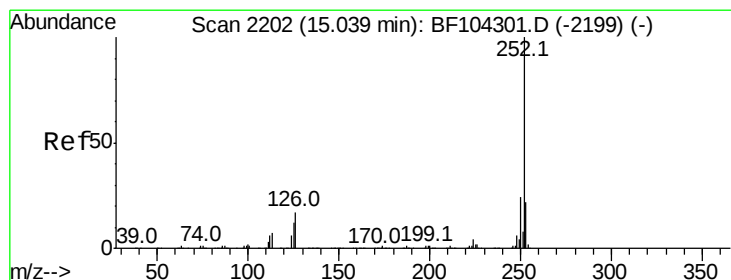
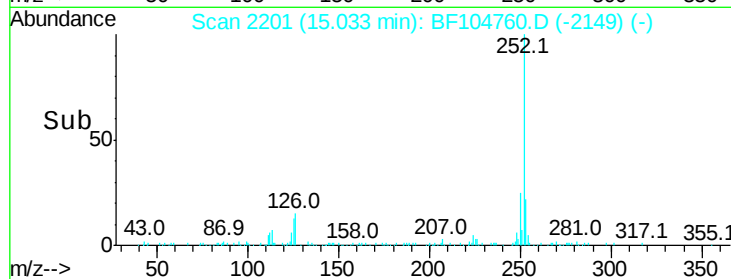
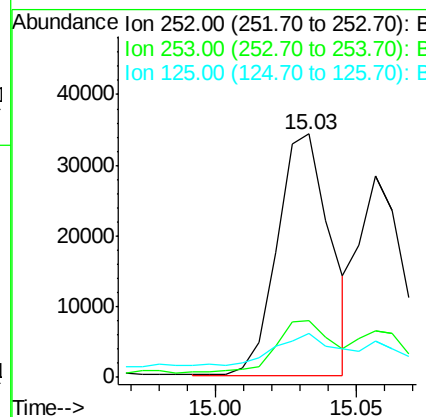
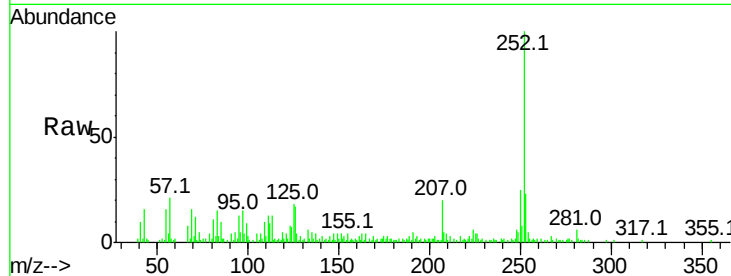




#87
Benzo(b)fluoranthene
Concen: 3.531 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

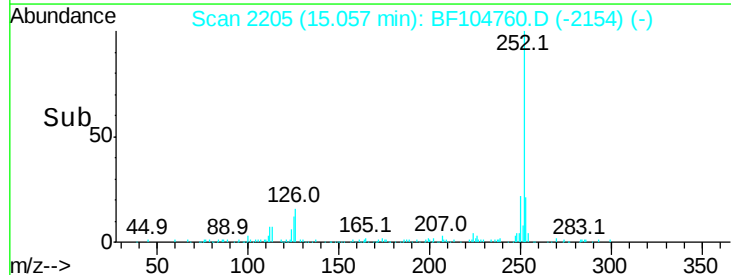
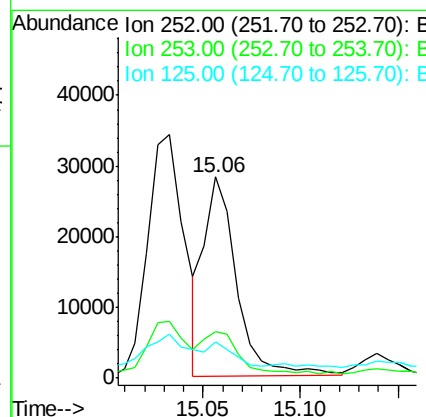
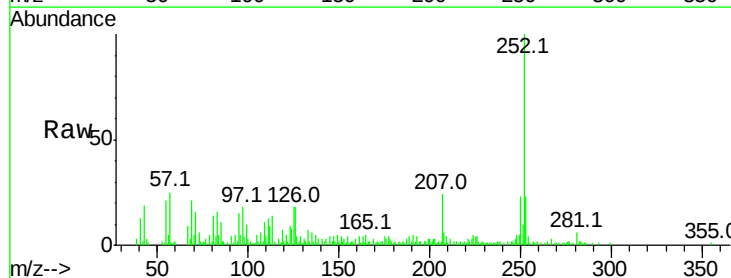
Instrument :
BNA_F
ClientSampleId :

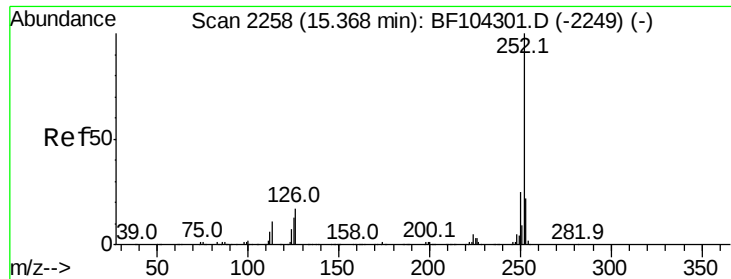
Tot Ion:252 Resp: 44725
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 18.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.745 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:252 Resp: 32829
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 18.0 10.2 15.2#

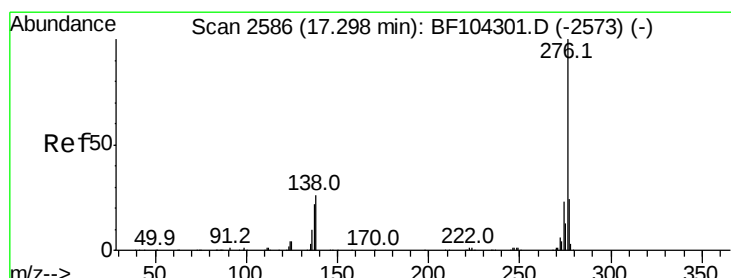
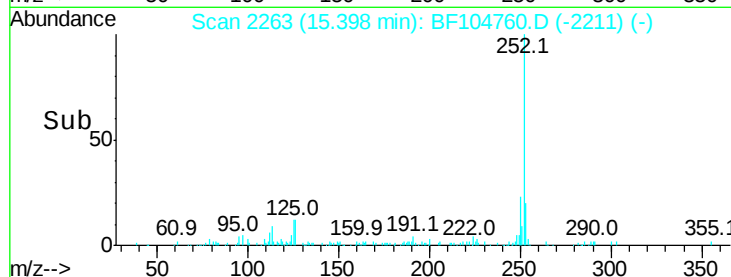
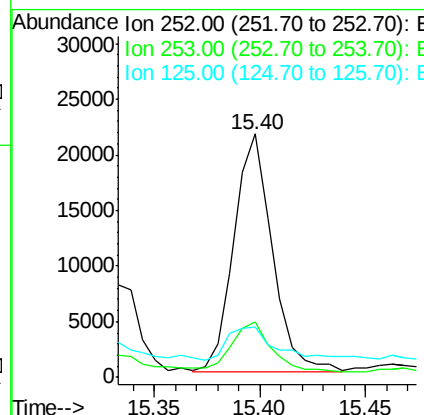
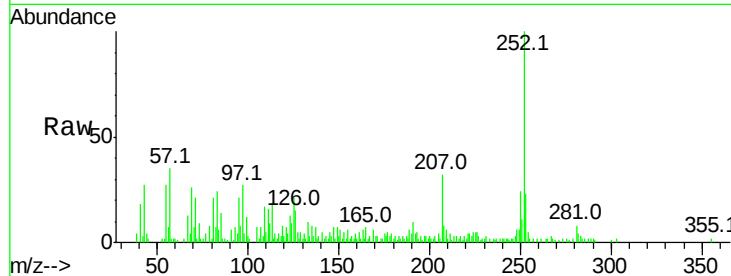




#89
Benzo(a)pyrene
Concen: 2.380 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 26968
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 20.7 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.535 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:276 Resp: 22862
Ion Ratio Lower Upper
276 100
277 24.6 17.9 26.9
138 28.4 21.8 32.8

