

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104241.D
 Acq On : 4 Apr 2018 22:20
 Operator : JU/SJ
 Sample : J2197-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:02:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

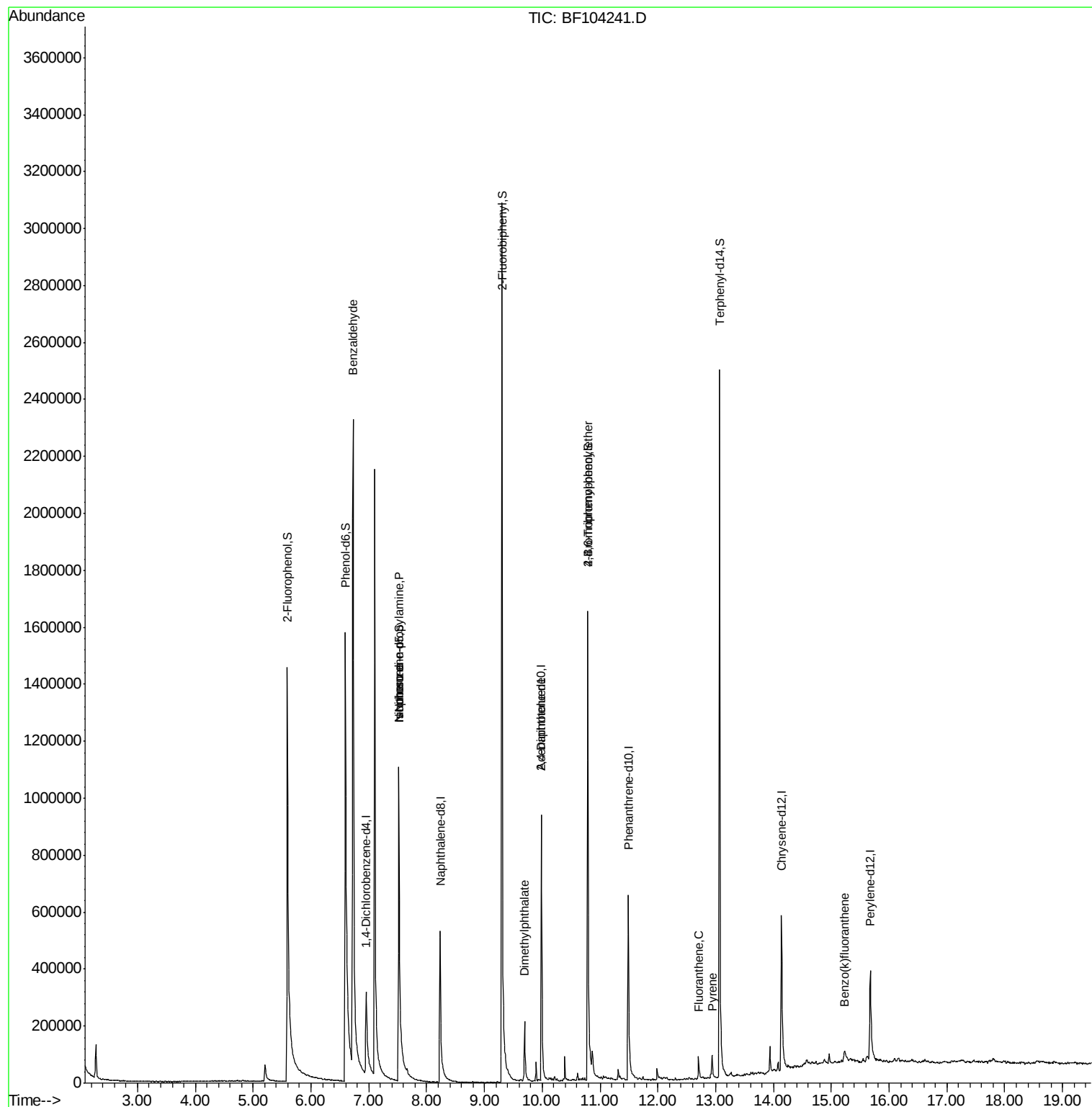
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	116221	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	507891	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	223095	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	377791	20.00	ng	0.00
75) Chrysene-d12	14.14	240	236336	20.00	ng	0.00
86) Perylene-d12	15.67	264	214442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1009439	138.51	ng	0.00
7) Phenol-d6	6.60	99	1342476	149.73	ng	0.00
23) Nitrobenzene-d5	7.52	82	781339	94.08	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	312747	125.90	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1369732	96.82	ng	0.00
78) Terphenyl-d14	13.07	244	1059614	103.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.73	77	20268	2.937	ng	90
19) n-Nitroso-di-n-propylamine	7.52	70	91095	17.120	ng	# 73
25) Isophorone	7.52	82	781339	51.051	ng	# 64
49) Dimethylphthalate	9.69	163	131429	7.462	ng	100
56) 2,4-Dinitrotoluene	9.99	165	27583	5.704	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	18760	4.641	ng	# 1
74) Fluoranthene	12.70	202	45252	2.081	ng	98
77) Pyrene	12.94	202	42142	2.481	ng	99
88) Benzo(k)fluoranthene	15.22	252	25739	2.094	ng	# 93

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

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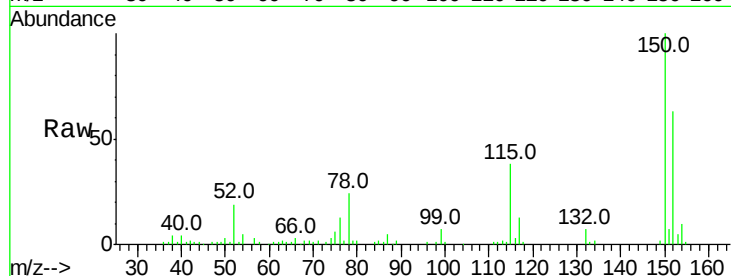


#1

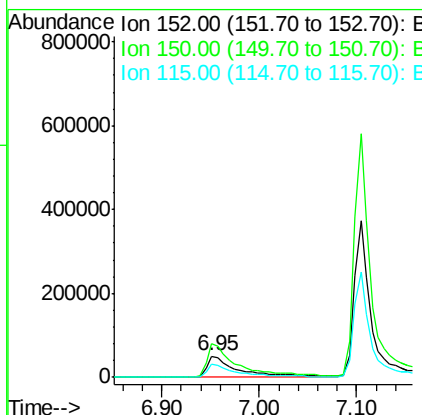
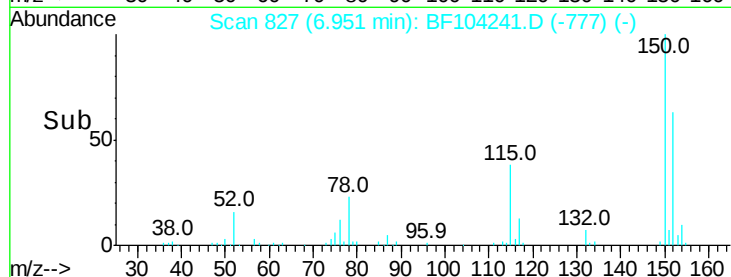
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116221
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 61.0 50.1 75.1



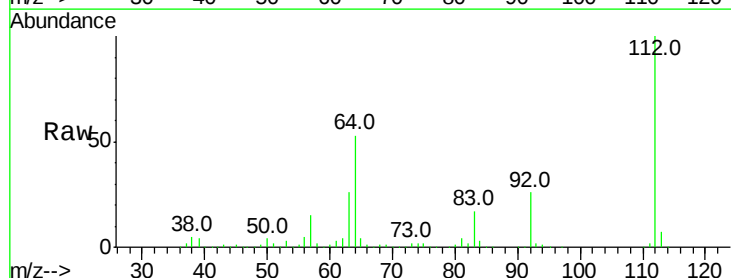
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



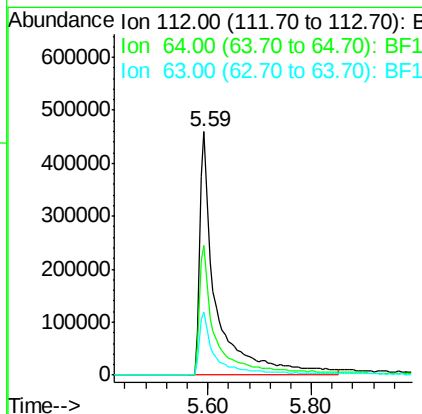
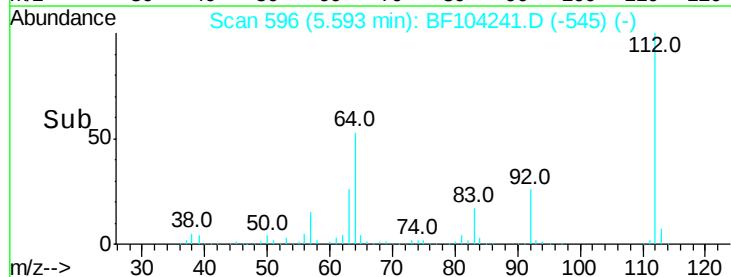
#5

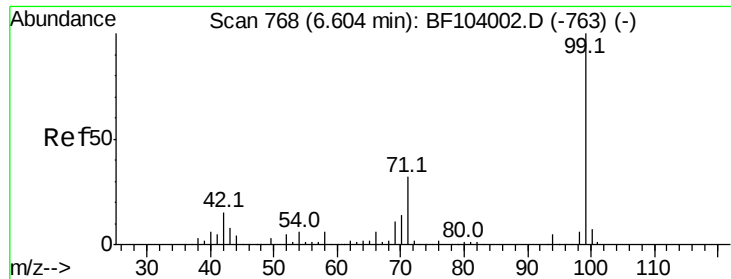
2-Fluorophenol
Concen: 138.512 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Tgt Ion:112 Resp: 1009439
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 25.9 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: 149.728 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Instrument :

BNA_F

ClientSampleId :

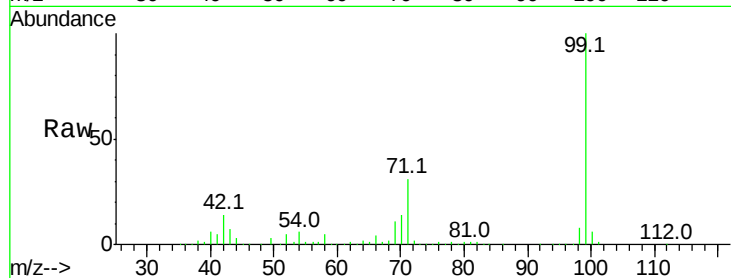
Tot Ion: 99 Resp: 1342476

Ion Ratio Lower Upper

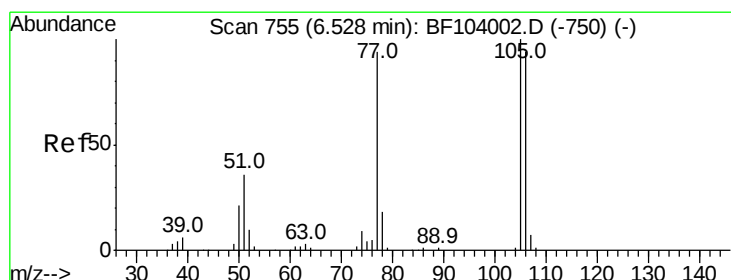
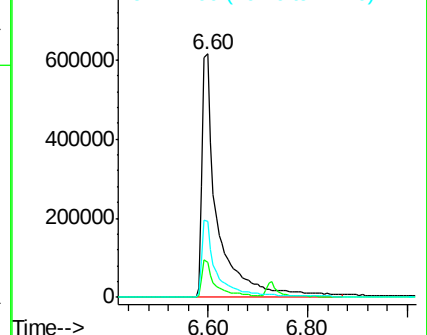
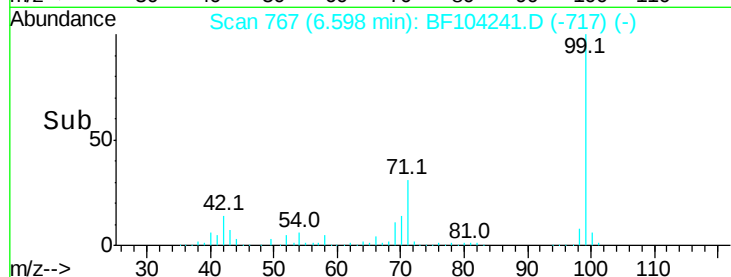
99 100

42 14.1 14.5 21.7#

71 31.1 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: 2.937 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.21 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

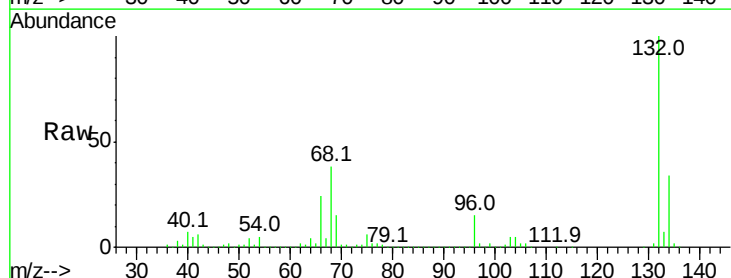
Tgt Ion: 77 Resp: 20268

Ion Ratio Lower Upper

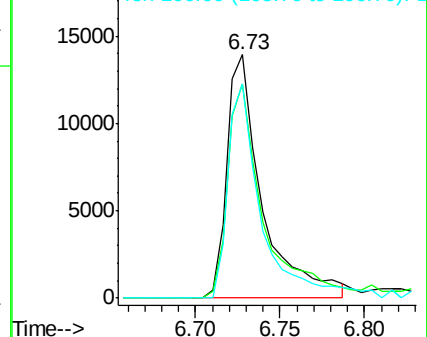
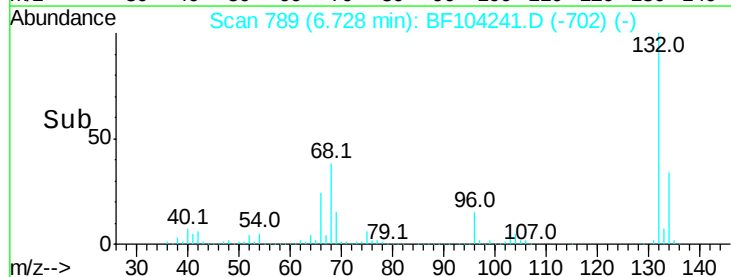
77 100

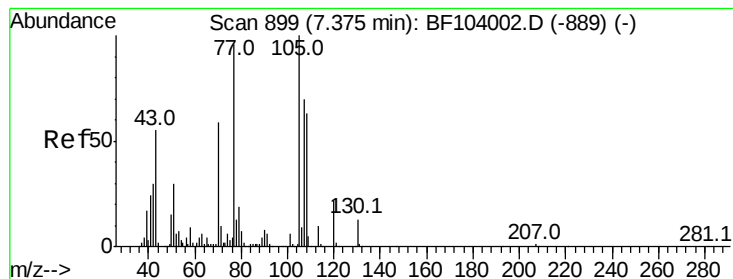
105 88.1 81.1 121.1

106 87.9 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





#19

n-Nitroso-di-n-propylamine

Concen: 17.120 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.16 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 91095

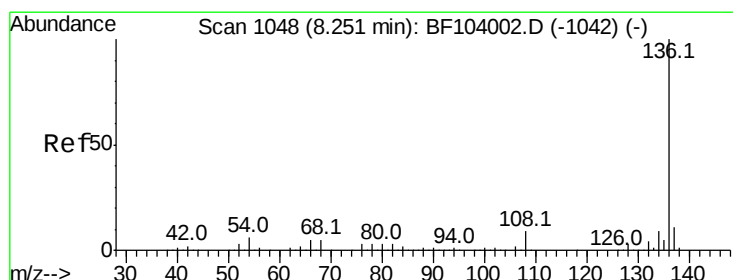
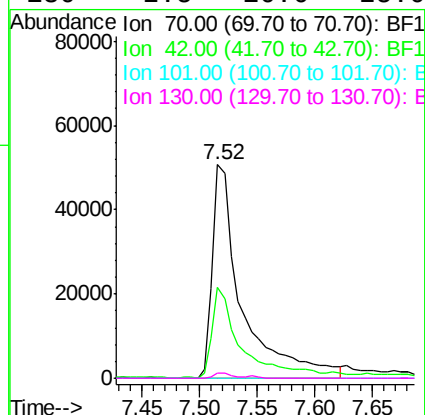
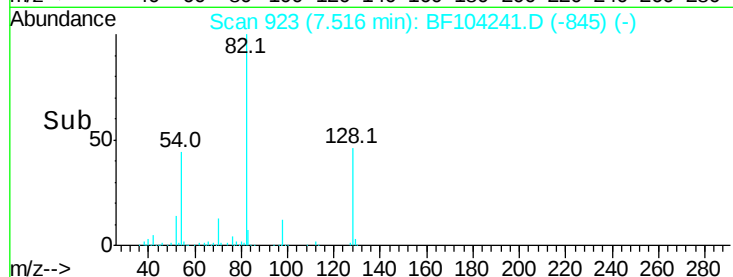
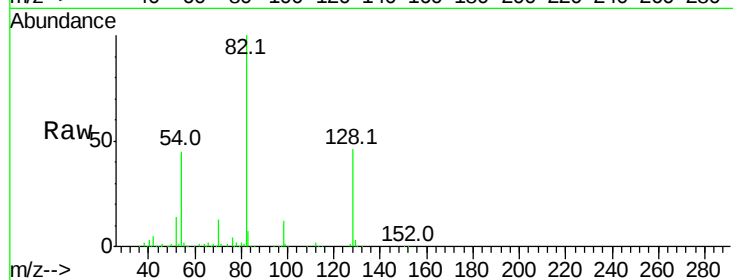
Ion Ratio Lower Upper

70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Tgt Ion: 136 Resp: 507891

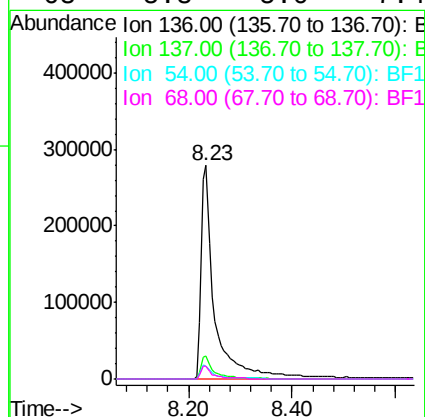
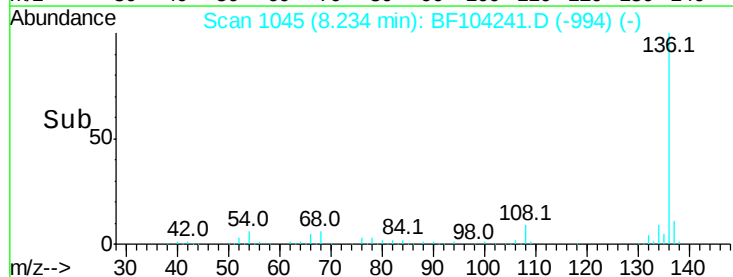
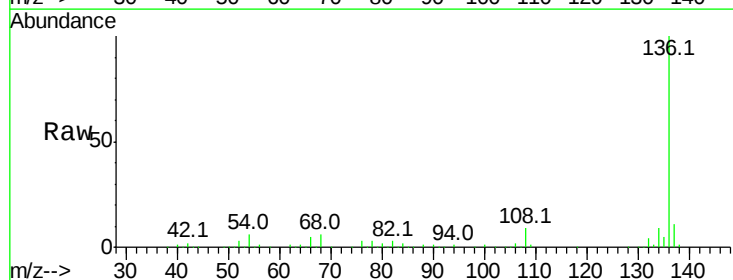
Ion Ratio Lower Upper

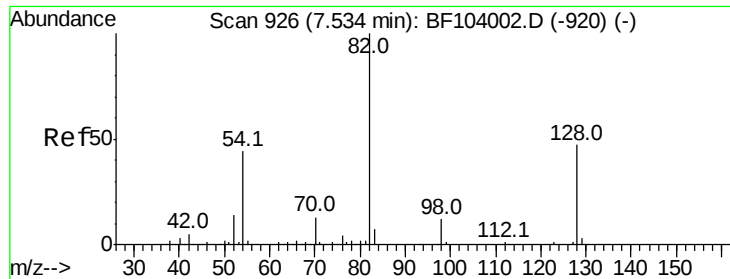
136 100

137 10.5 8.9 13.3

54 6.2 6.6 9.8#

68 5.8 5.0 7.4

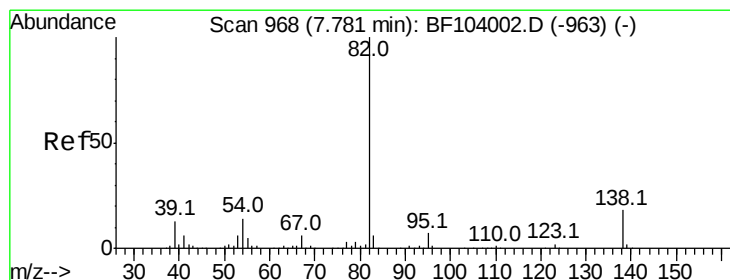
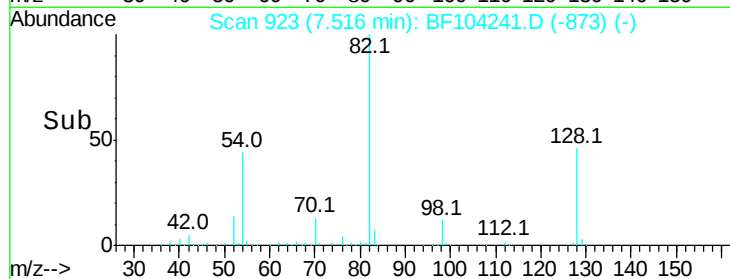
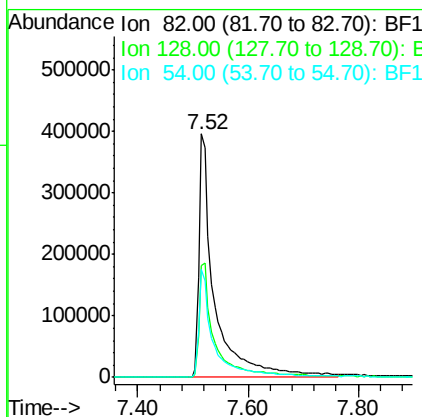
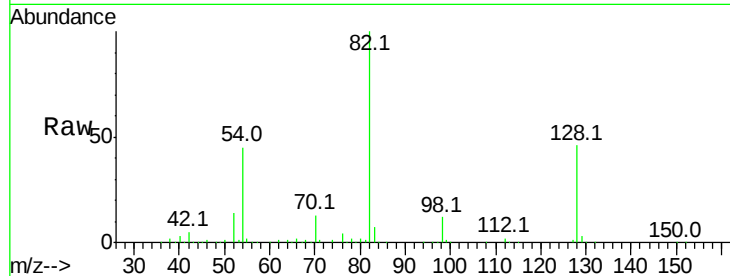




#23
 Nitrobenzene-d5
 Concen: 94.082 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF104241.D
 Acq: 4 Apr 2018 22:20

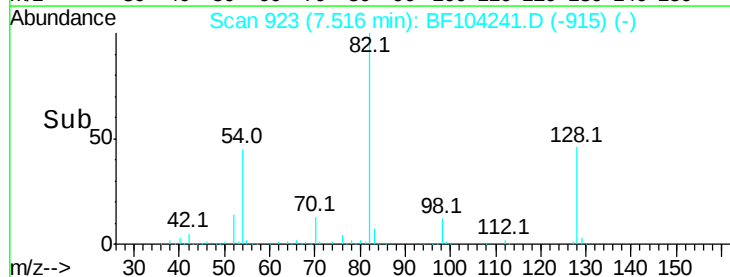
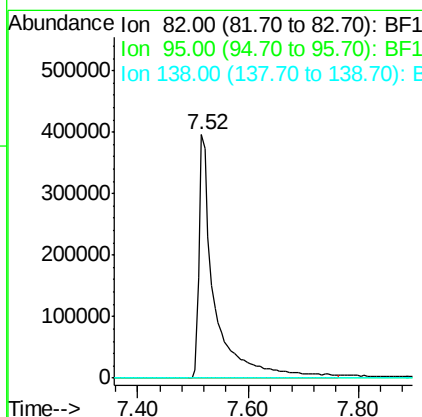
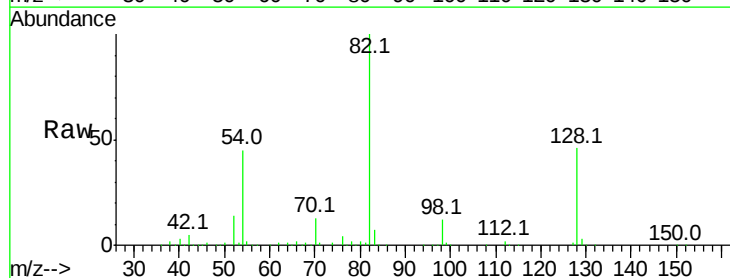
Instrument :
 BNA_F
 ClientSampleId :

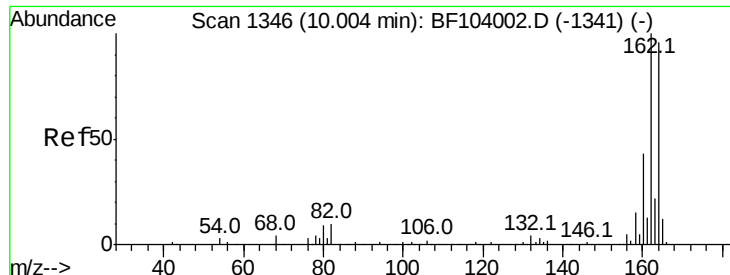
Tot Ion:	82	Resp:	781339
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	44.5	41.4	62.2



#25
 Isophorone
 Concen: 51.051 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.25 min
 Lab File: BF104241.D
 Acq: 4 Apr 2018 22:20

Tgt Ion:	82	Resp:	781339
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

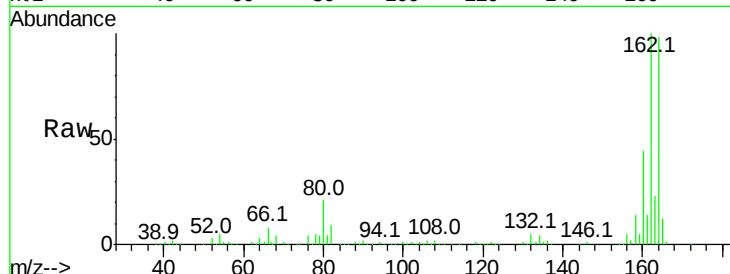




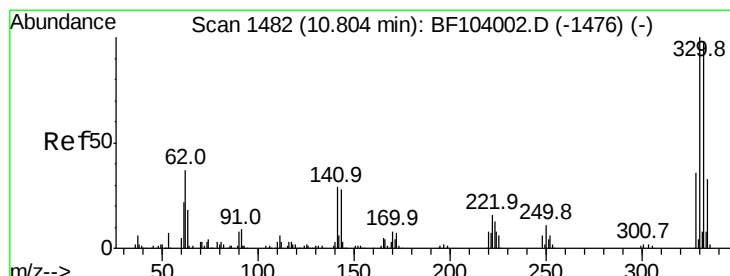
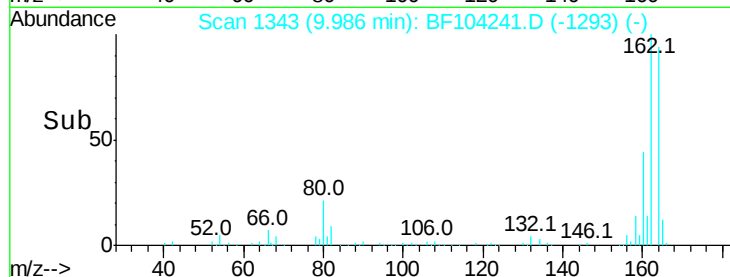
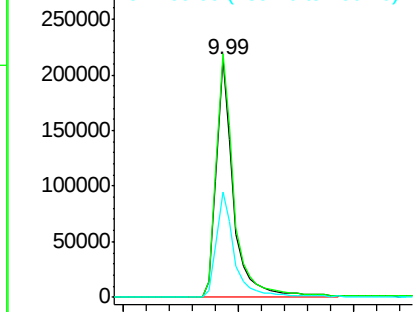
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	44.5	38.3	57.5

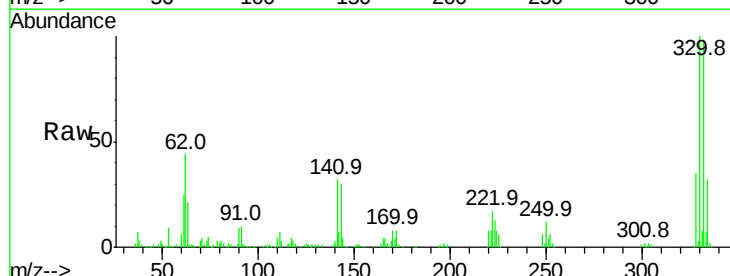


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

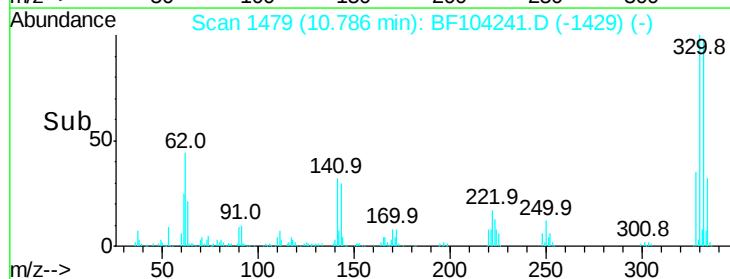
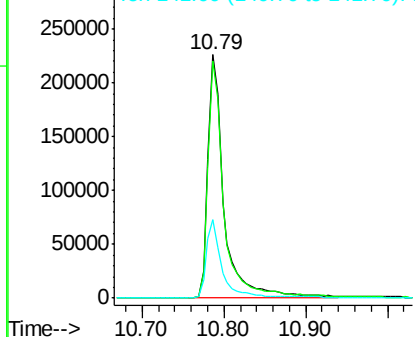


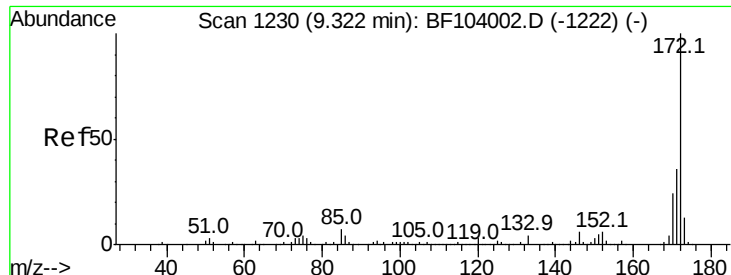
#41
2,4,6-Tribromophenol
Concen: 125.896 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.4	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

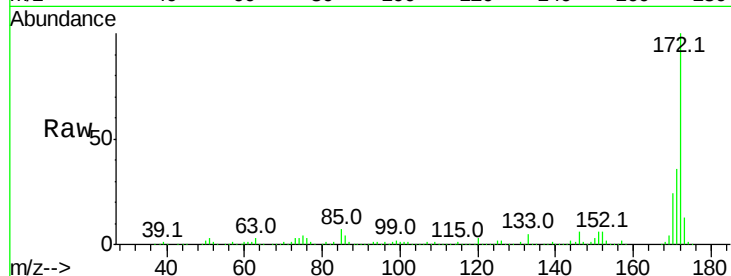




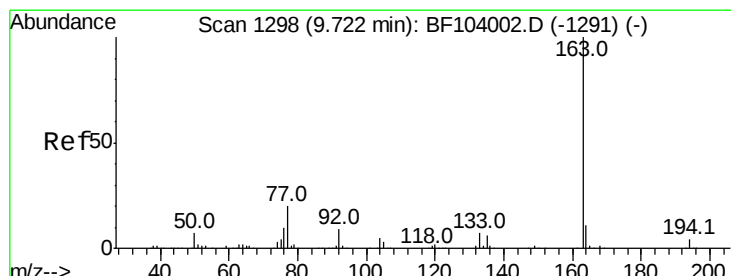
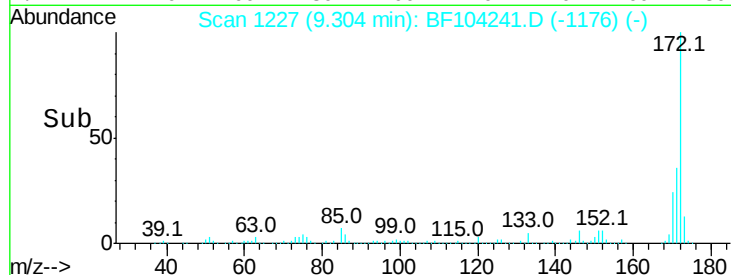
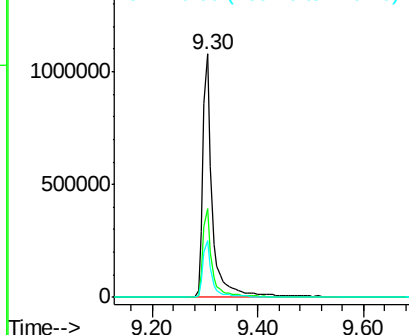
#44
2-Fluorobiphenyl
Concen: 96.818 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1369732
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.6 19.6 29.4

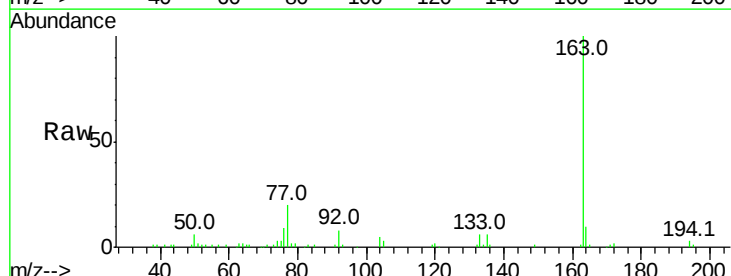


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

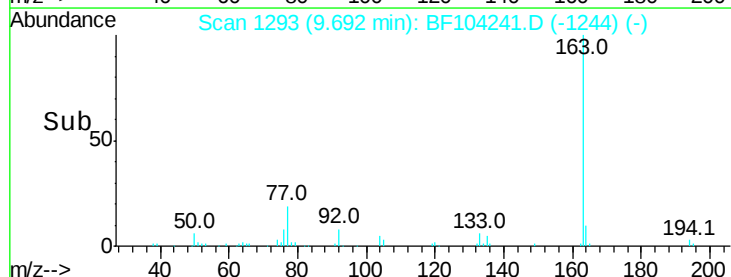
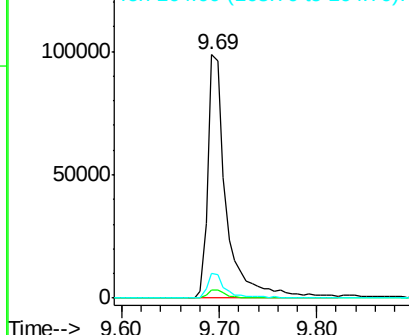


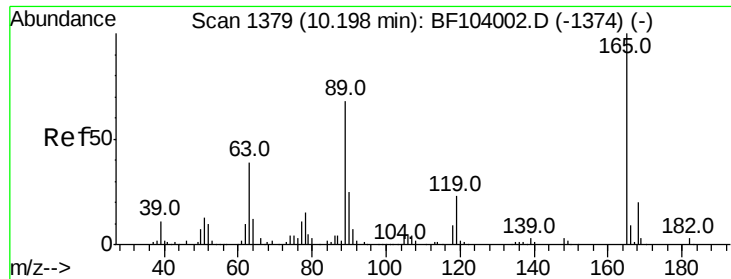
#49
Dimethylphthalate
Concen: 7.462 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Tgt Ion:163 Resp: 131429
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 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

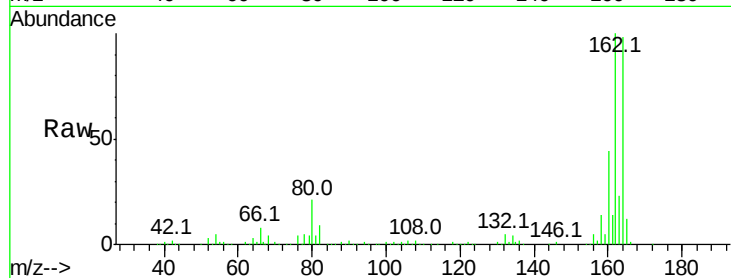




#56
 2,4-Dinitrotoluene
 Concen: 5.704 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.21 min
 Lab File: BF104241.D
 Acq: 4 Apr 2018 22:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

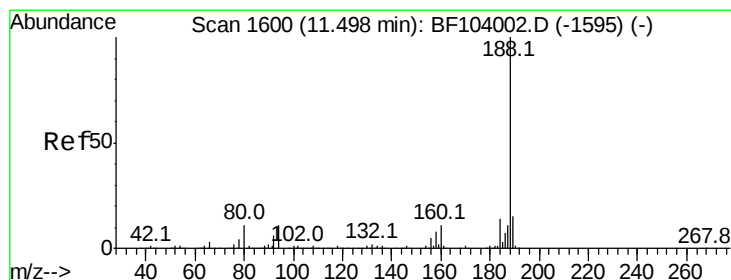
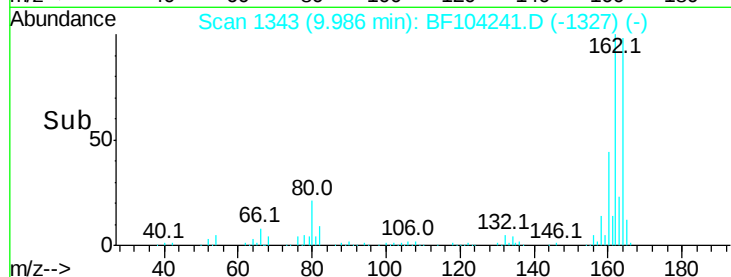
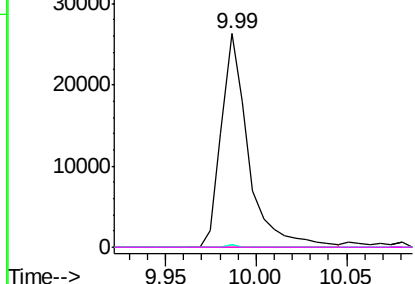


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

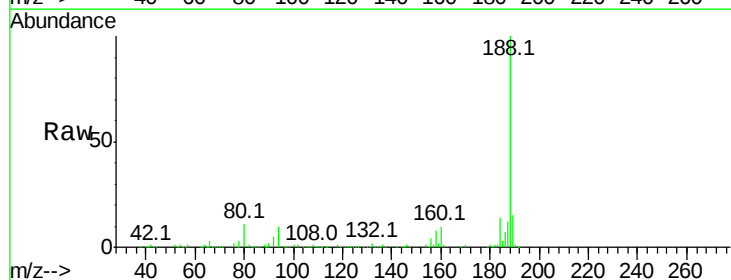
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF104241.D
 Acq: 4 Apr 2018 22:20

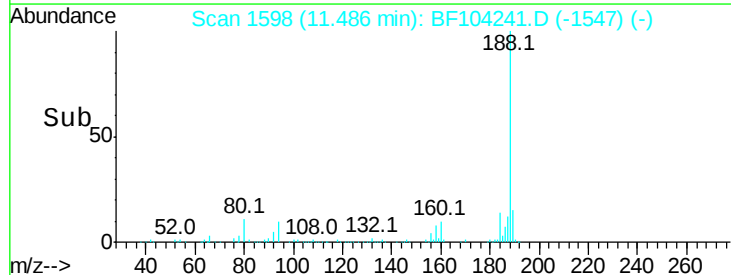
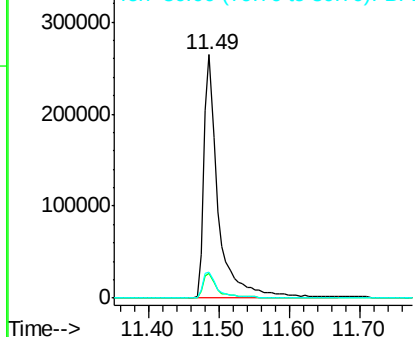
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.8	9.2	13.8

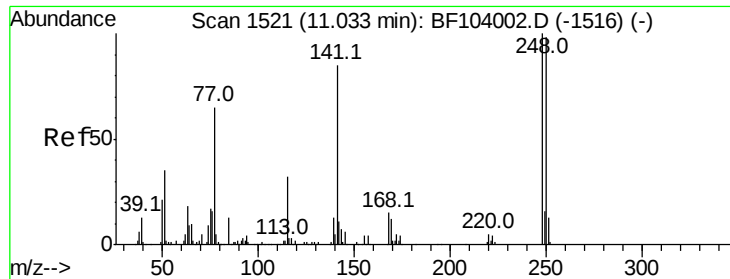


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

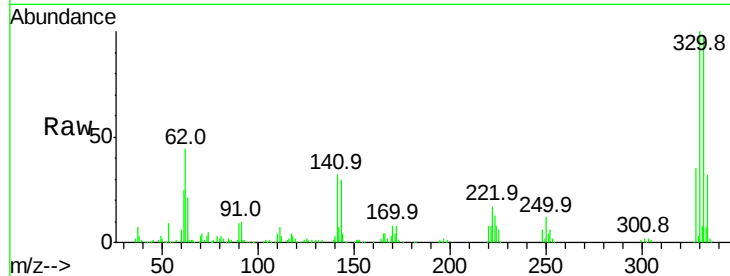




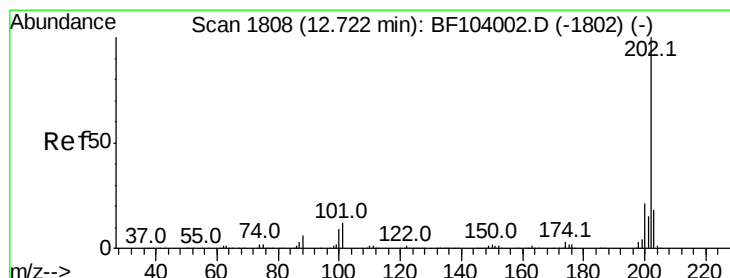
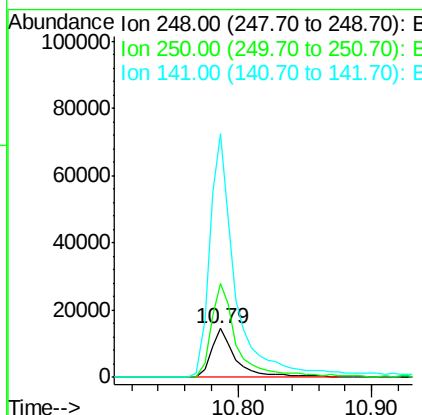
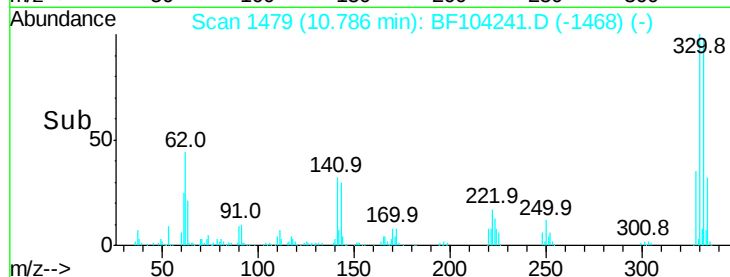
#66
4-Bromophenyl-phenylether
Concen: 4.641 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18760
Ion Ratio Lower Upper
248 100
250 194.6 76.9 115.3#
141 502.3 74.4 111.6#

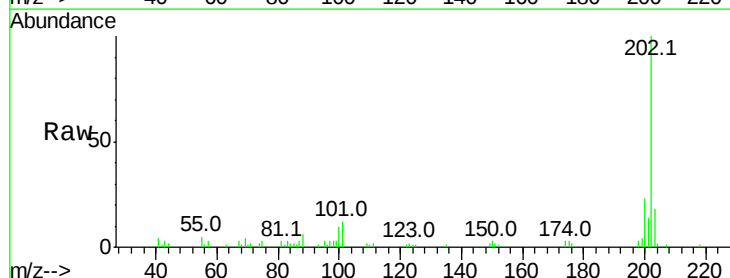


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

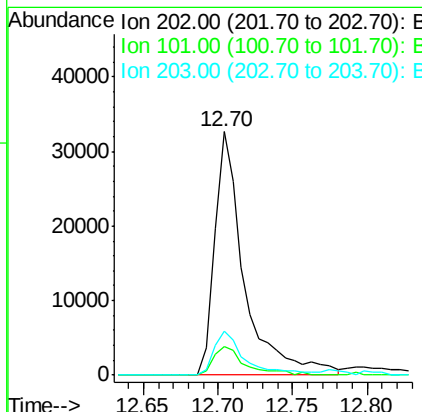
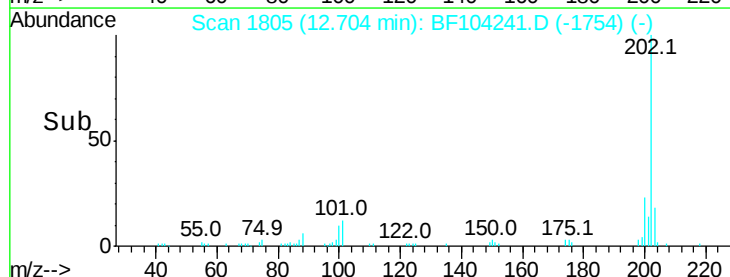


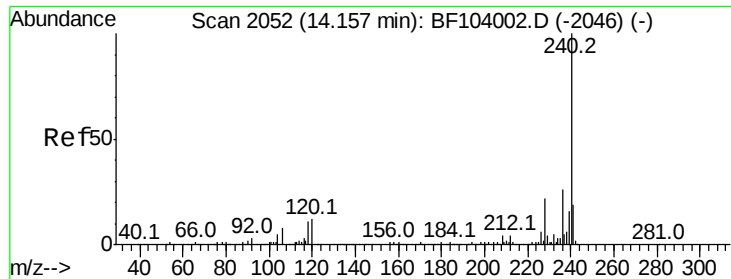
#74
Fluoranthene
Concen: 2.081 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF104241.D
Acq: 4 Apr 2018 22:20

Tgt Ion:202 Resp: 45252
Ion Ratio Lower Upper
202 100
101 11.9 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: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Instrument :

BNA_F

ClientSampled :

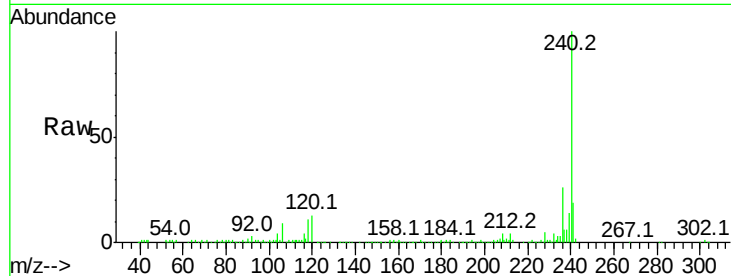
Tot Ion:240 Resp: 236336

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

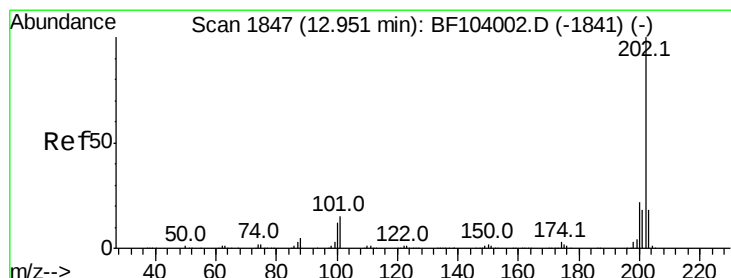
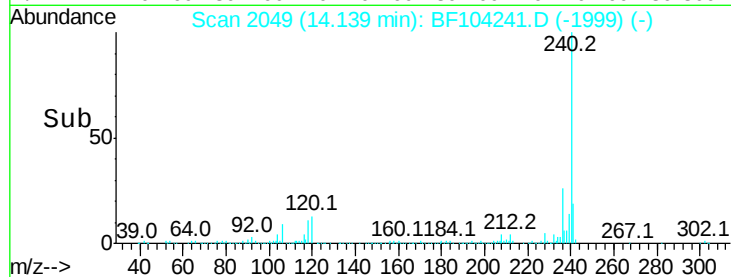
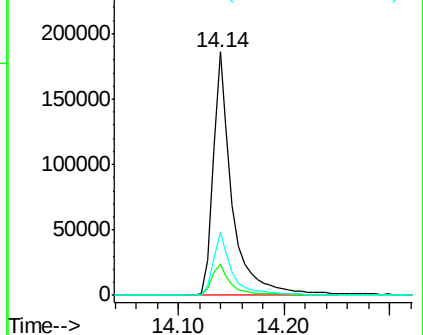
236 25.8 20.7 31.1



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: 2.481 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

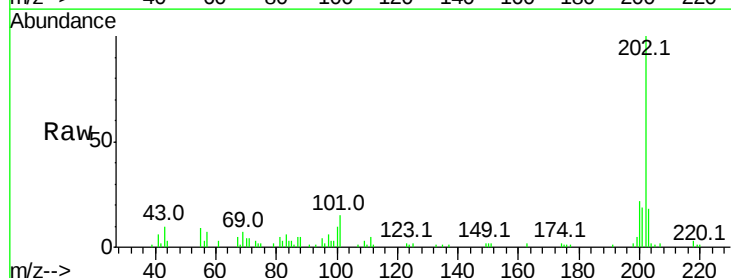
Tgt Ion:202 Resp: 42142

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

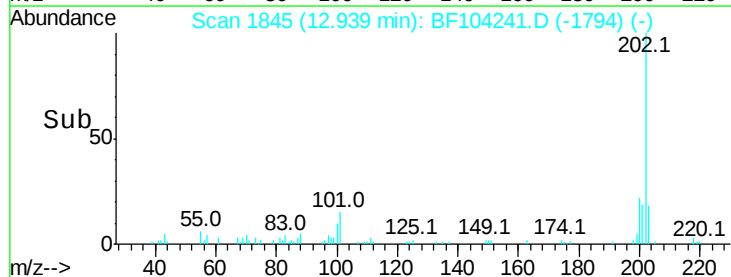
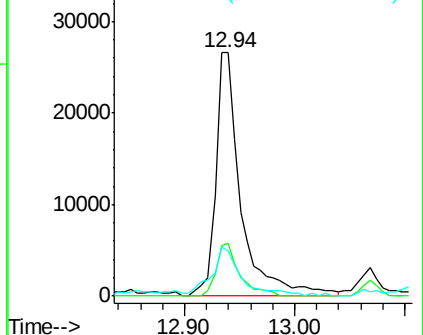
203 18.3 14.3 21.5

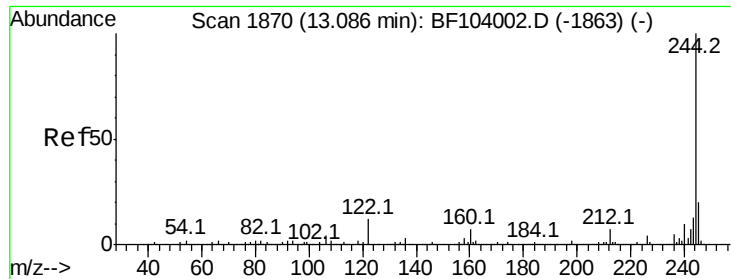


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 103.522 ng

RT: 13.07 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Instrument :

BNA_F

ClientSampleId :

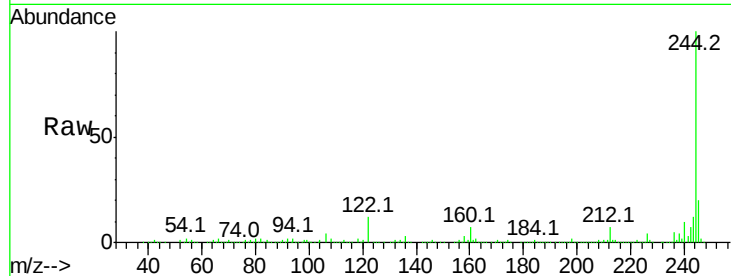
Tot Ion:244 Resp: 1059614

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

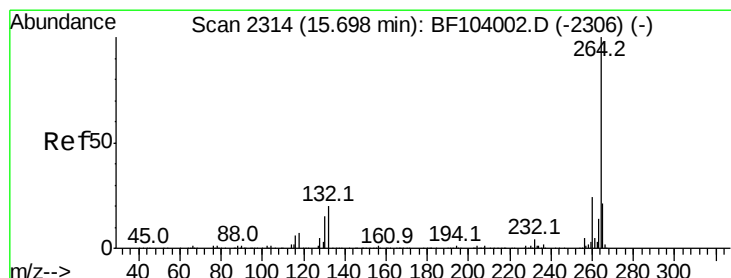
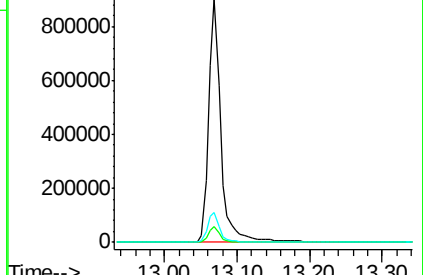
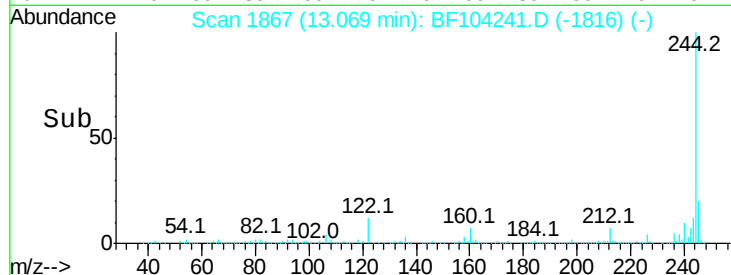
122 12.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

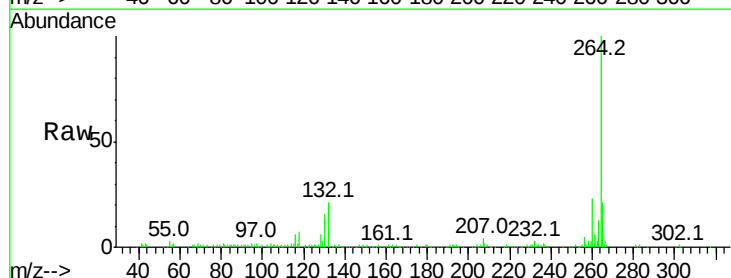
Tgt Ion:264 Resp: 214442

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

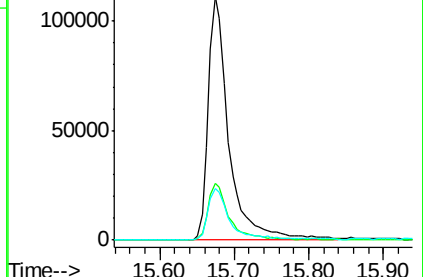
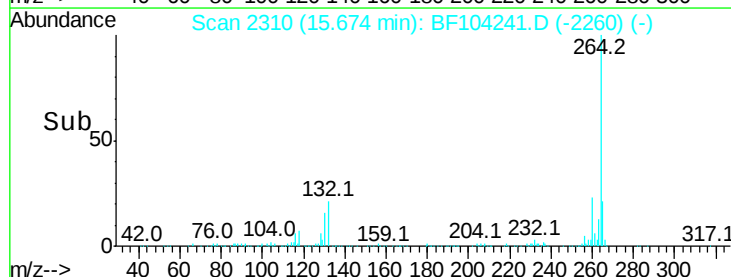
265 21.0 17.5 26.3

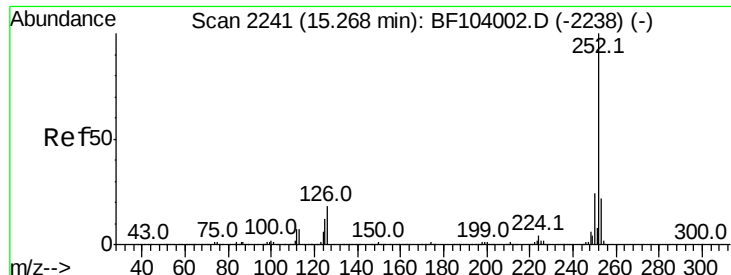


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.094 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.03 min

Lab File: BF104241.D

Acq: 4 Apr 2018 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 25739

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 20.4 10.2 15.2#

