

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
 Data File : BF104406.D
 Acq On : 10 Apr 2018 14:08
 Operator : JU/SJ
 Sample : J2296-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Quant Time: Apr 10 15:11:37 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	151175	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	598425	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	251830	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	366987	20.00	ng	0.00
75) Chrysene-d12	13.98	240	304316	20.00	ng	0.00
86) Perylene-d12	15.44	264	222859	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1183488	119.70	ng	0.02
7) Phenol-d6	6.45	99	1497079	123.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	930460	101.53	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	287740	110.15	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1272221	79.81	ng	0.00
78) Terphenyl-d14	12.93	244	903798	67.71	ng	0.00

Target Compounds

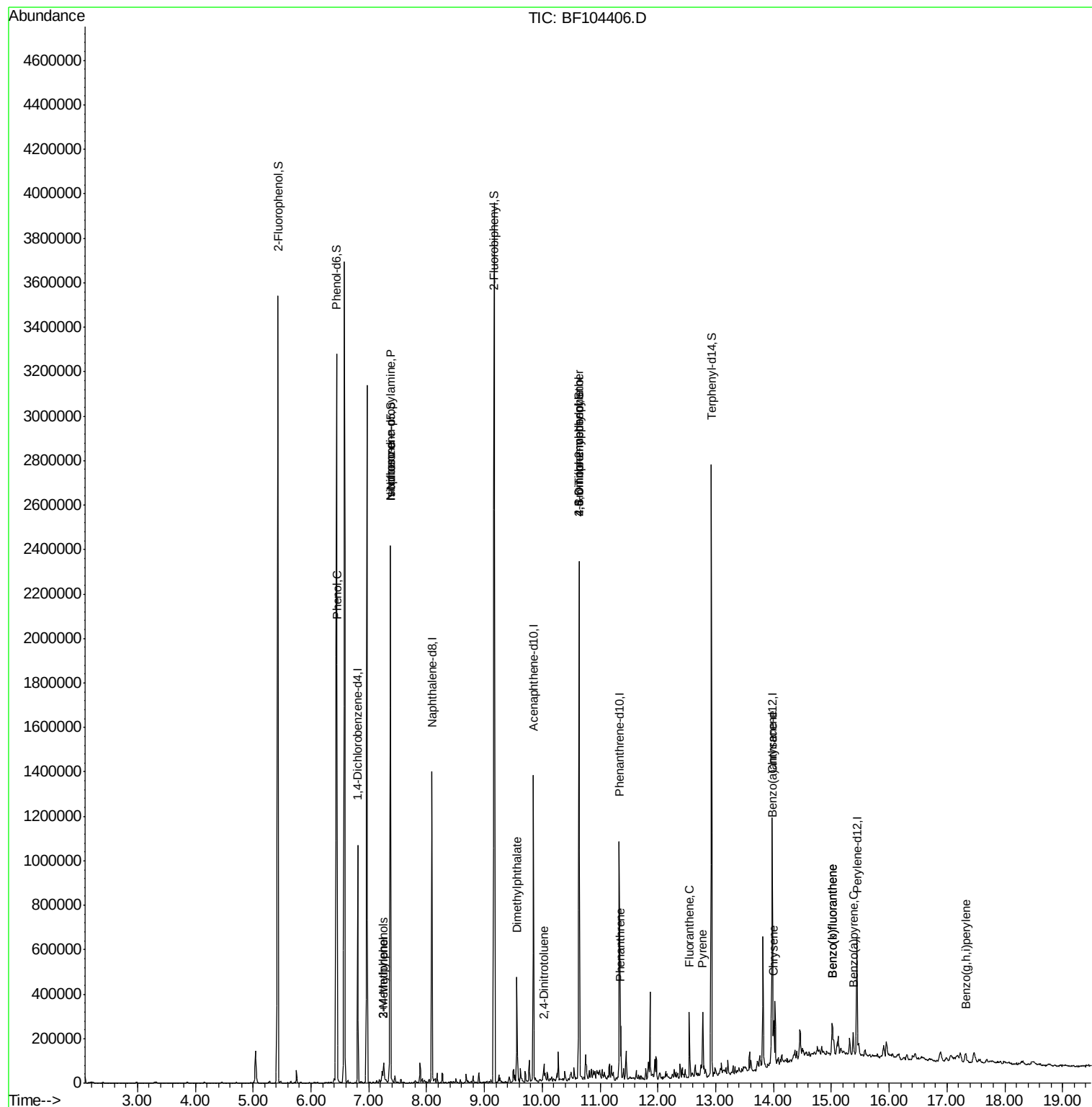
						Qvalue
9) Benzaldehyde	6.36	77	872	Below Cal	#	77
10) Phenol	6.46	94	36102	2.801 ng		94
17) 2-Methylphenol	7.26	107	37951	4.184 ng	#	29
19) n-Nitroso-di-n-propylamine	7.37	70	123921	15.611 ng	#	75
20) 3+4-Methylphenols	7.26	107	37951	3.373 ng	#	40
25) Isophorone	7.37	82	927891	47.880 ng	#	64
49) Dimethylphthalate	9.56	163	188564	9.495 ng		98
56) 2,4-Dinitrotoluene	10.03	165	10114	2.098 ng	#	93
64) 4,6-Dinitro-2-methylphenol	10.64	198	421	7.547 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	17451	4.471 ng	#	1
70) Phenanthrene	11.36	178	76559	3.746 ng		98
74) Fluoranthene	12.54	202	113569	5.319 ng		99
76) Benzidine	12.93	184	12607	Below Cal		96
77) Pyrene	12.78	202	118986	5.275 ng		98
80) Benzo(a)anthracene	13.97	228	67249	3.699 ng		95
82) Chrysene	14.00	228	65928	3.531 ng		98
87) Benzo(b)fluoranthene	15.02	252	97004	6.892 ng	#	95
88) Benzo(k)fluoranthene	15.02	252	97004	7.300 ng	#	97
89) Benzo(a)pyrene	15.38	252	44300	3.518 ng		96
91) Benzo(g,h,i)perylene	17.32	276	25092	2.504 ng	#	92

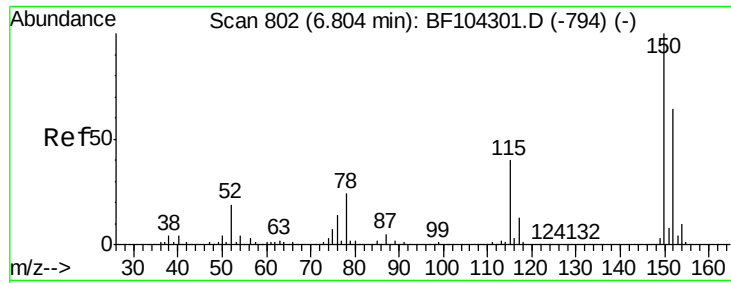
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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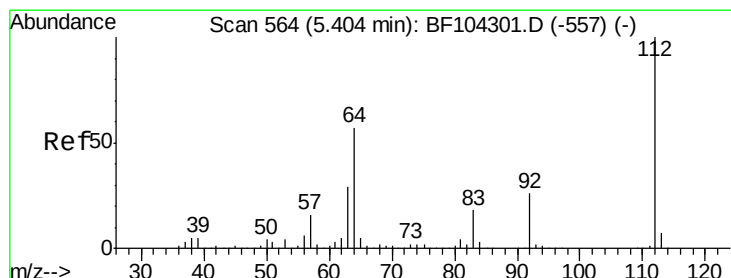
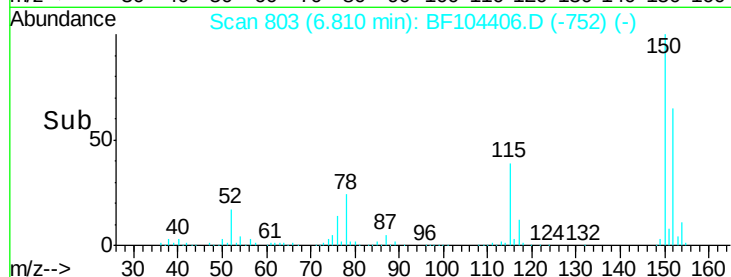
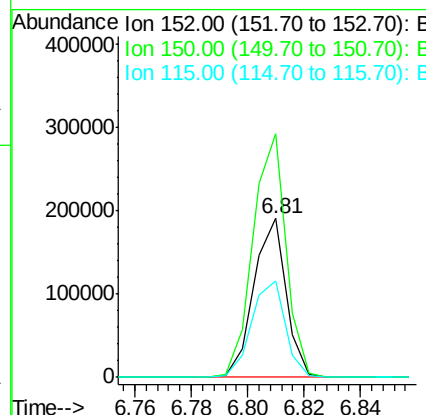
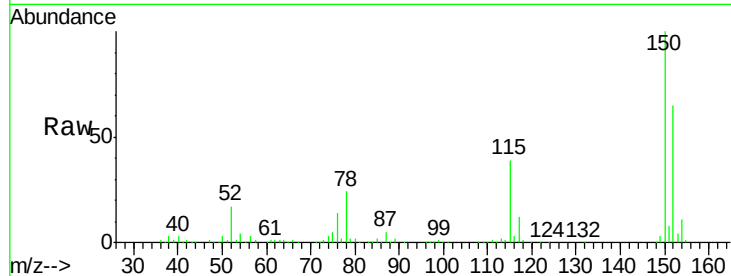


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

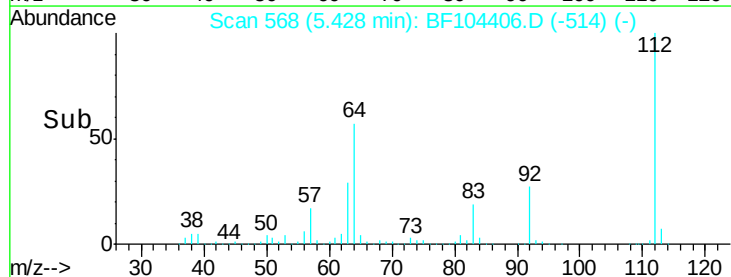
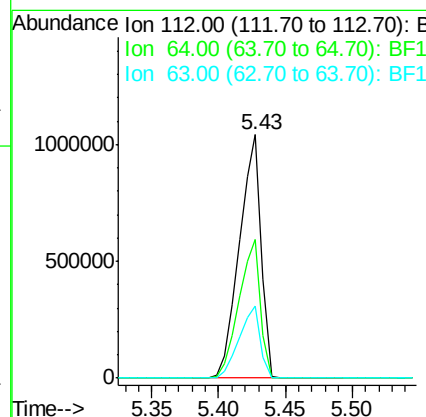
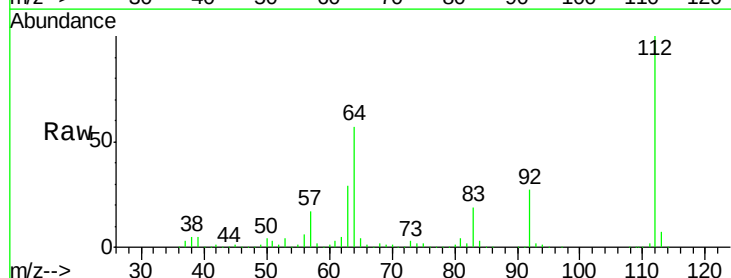
Tgt Ion:152 Resp: 151175
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.6 186.8
 115 60.2 50.1 75.1

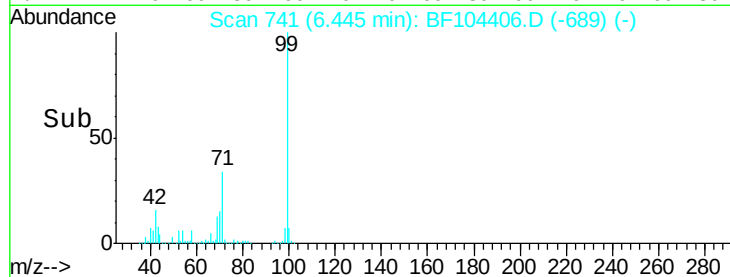
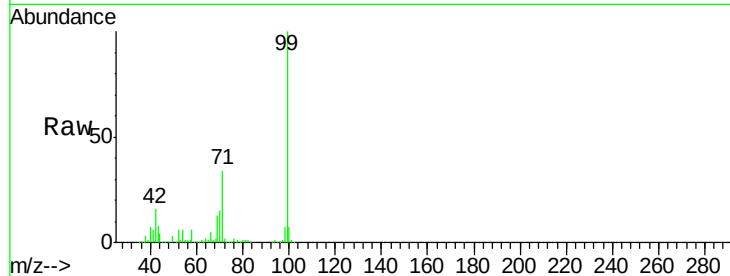
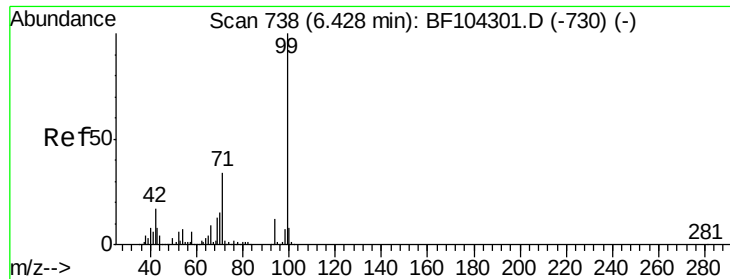


#5

2-Fluorophenol
 Concen: 119.704 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion:112 Resp: 1183488
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.9 71.9
 63 29.5 23.7 35.5





#7

Phenol-d6

Concen: 123.240 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

BNA_F

ClientSampleId :

S-2-COMP

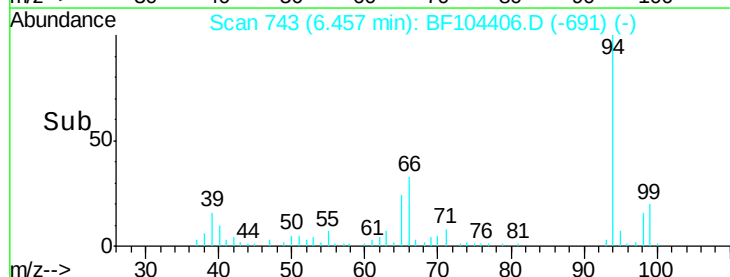
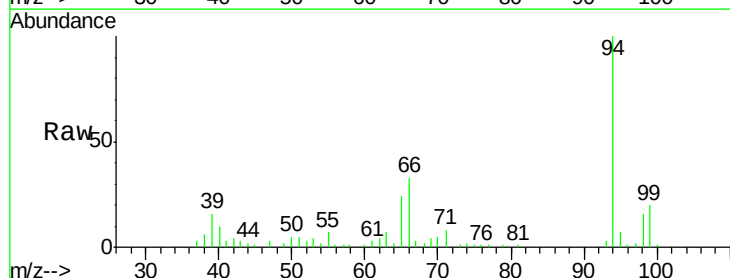
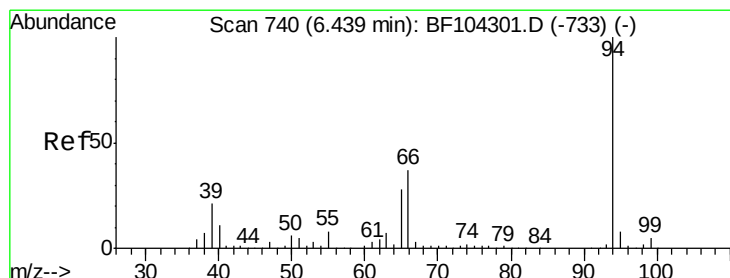
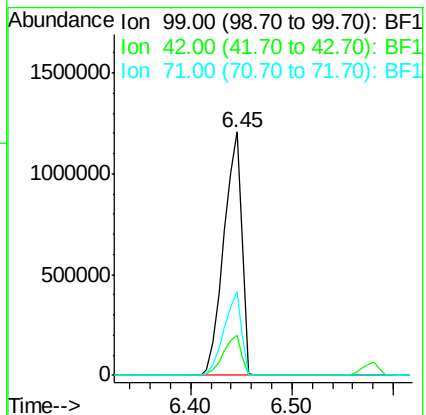
Tgt Ion: 99 Resp: 1497079

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 34.1 25.4 38.0



#10

Phenol

Concen: 2.801 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

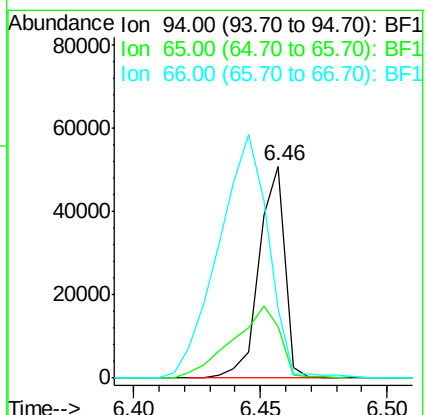
Tgt Ion: 94 Resp: 36102

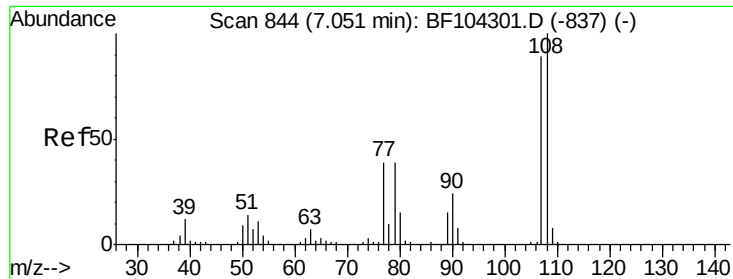
Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

66 32.5 16.2 56.2

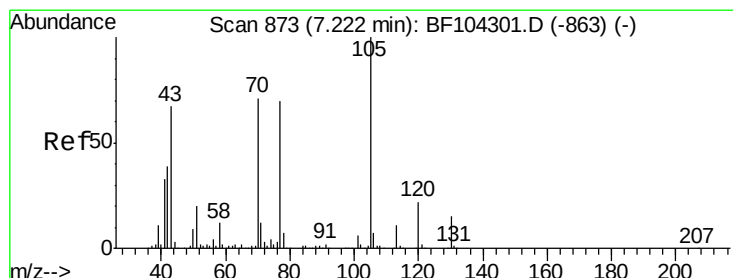
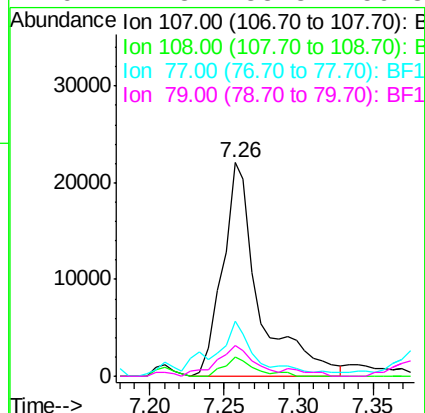
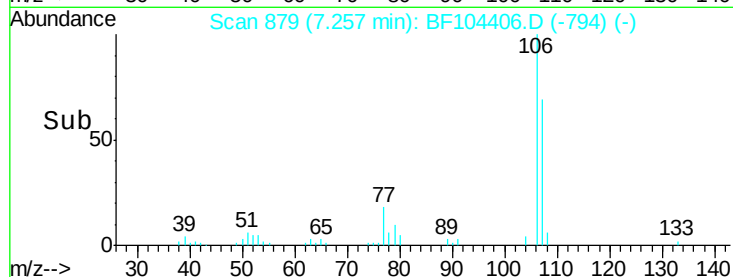
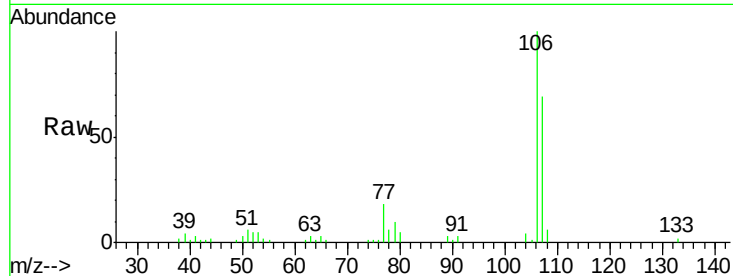




#17
2-Methylphenol
Concen: 4.184 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.20 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

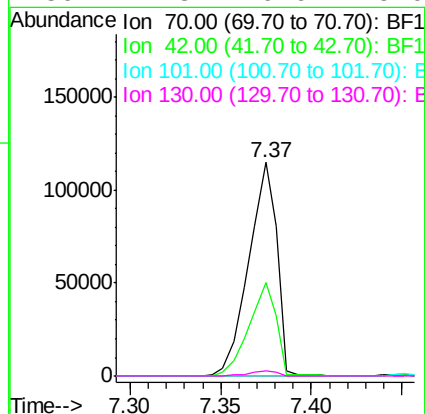
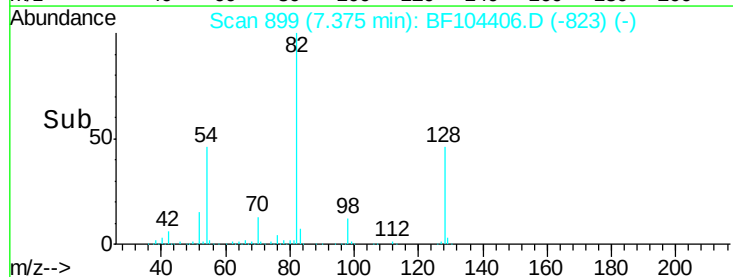
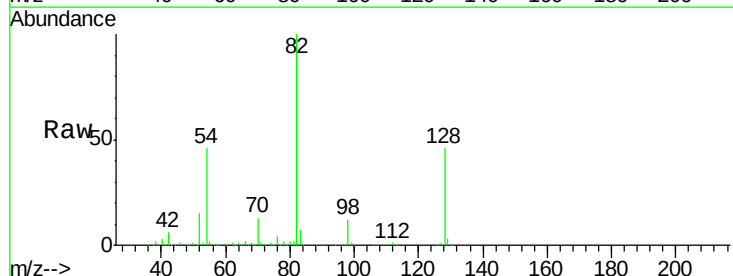
Instrument :
BNA_F
ClientSampleId :
S-2-COMP

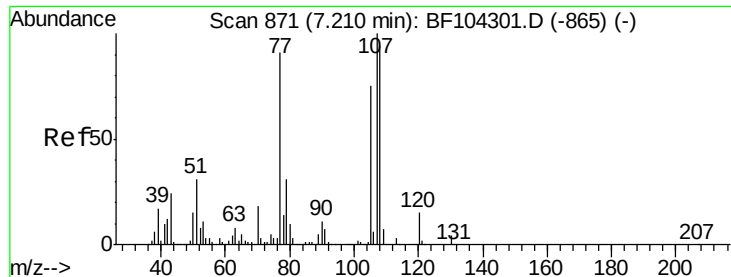
Tgt Ion: 107 Resp: 37951
Ion Ratio Lower Upper
107 100
108 8.7 91.7 137.5#
77 25.7 33.8 50.8#
79 14.3 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.611 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion: 70 Resp: 123921
Ion Ratio Lower Upper
70 100
42 44.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

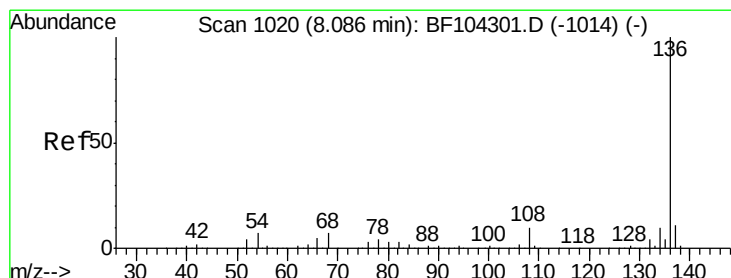
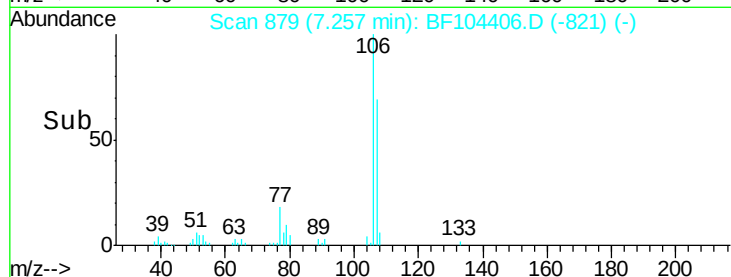
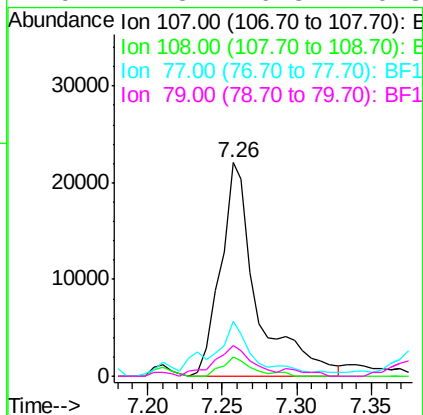
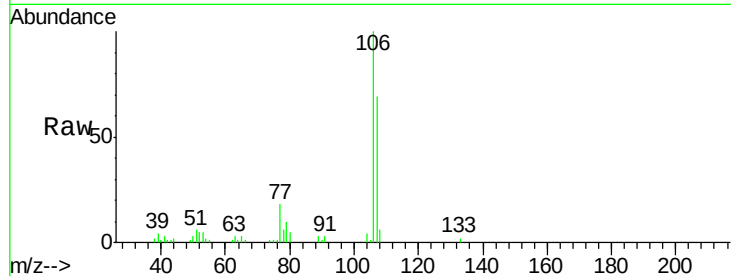




#20
 3+4-Methylphenols
 Concen: 3.373 ng
 RT: 7.26 min Scan# 879
 Delta R.T. 0.04 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

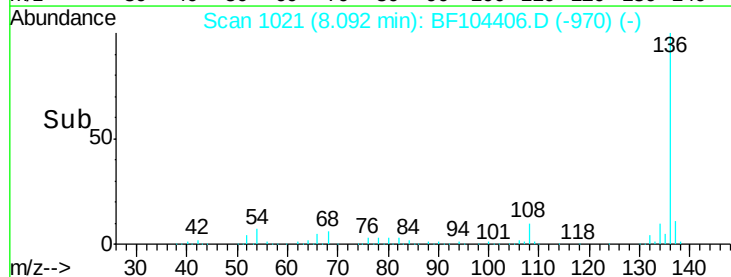
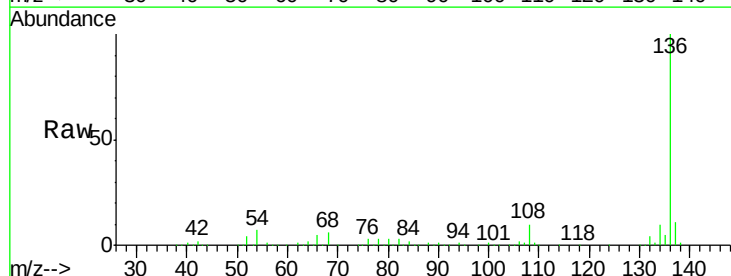
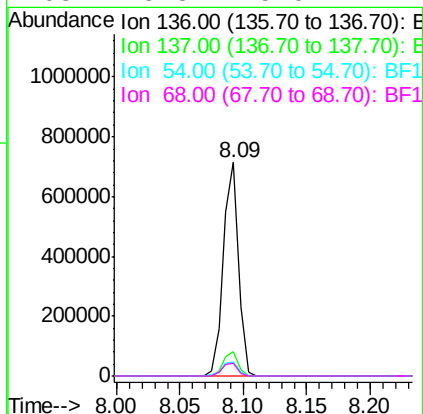
Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

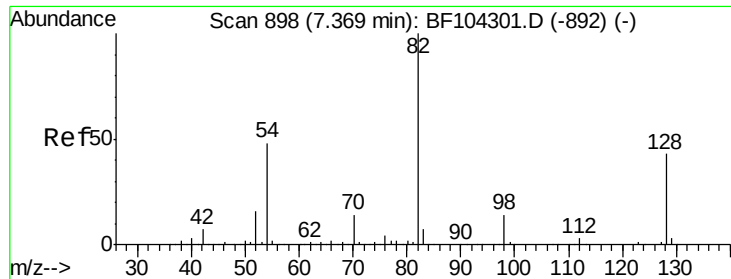
Tgt Ion:107 Resp: 37951
 Ion Ratio Lower Upper
 107 100
 108 8.7 68.2 108.2#
 77 25.7 26.7 66.7#
 79 14.3 6.3 46.3



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion:136 Resp: 598425
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 6.6 6.6 9.8
 68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 101.529 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

BNA_F

ClientSampleId :

S-2-COMP

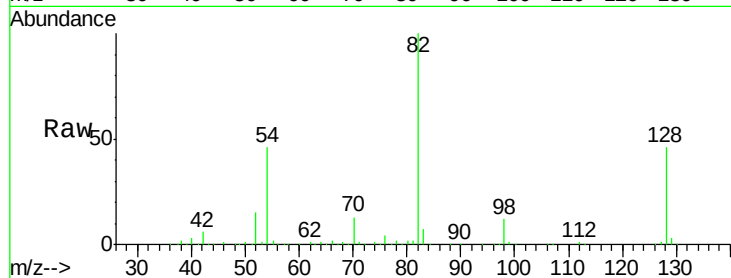
Tgt Ion: 82 Resp: 930460

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

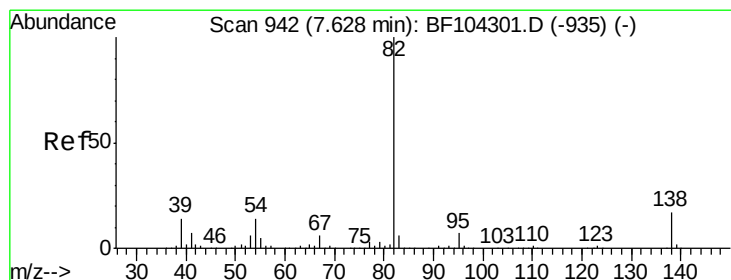
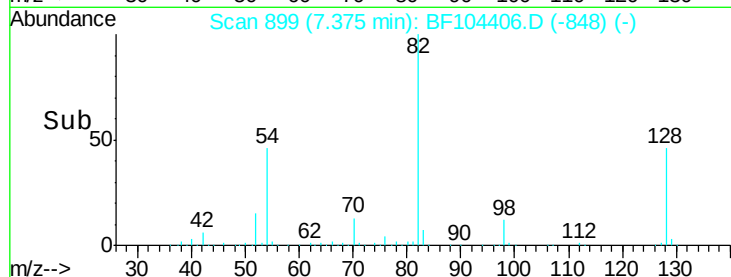
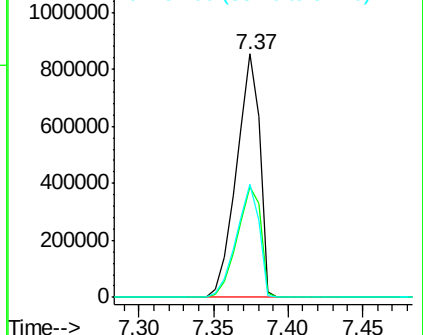
54 46.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 47.880 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

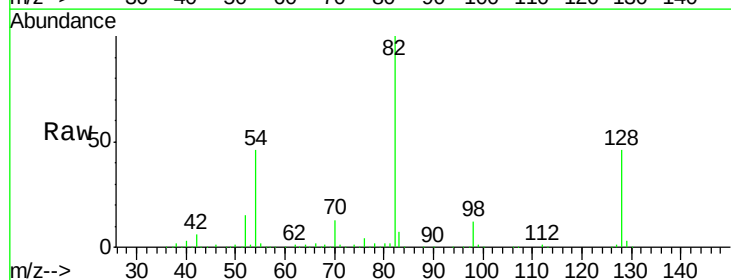
Tgt Ion: 82 Resp: 927891

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

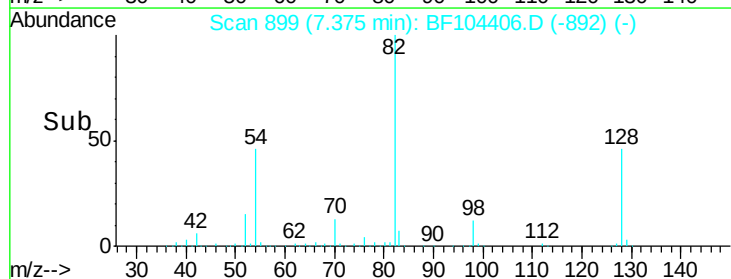
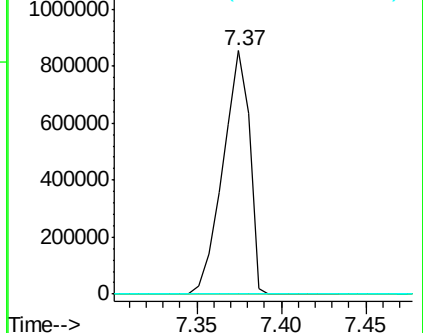
138 0.0 14.9 22.3#

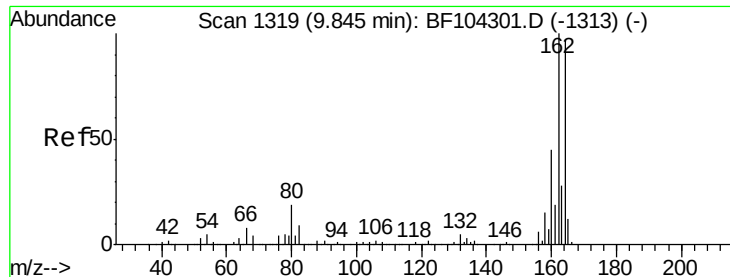


Abundance Ion 82.00 (81.70 to 82.70): BF1

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# 1319

Delta R.T. -0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

BNA_F

ClientSampleId :

S-2-COMP

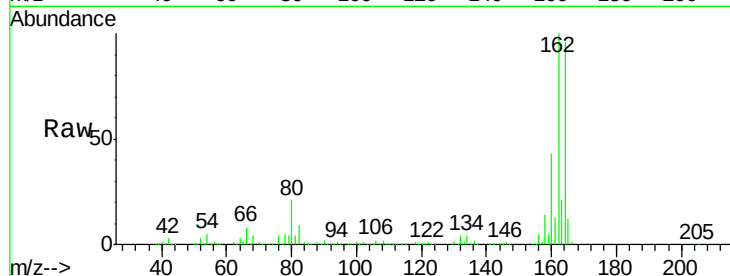
Tgt Ion:164 Resp: 251830

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

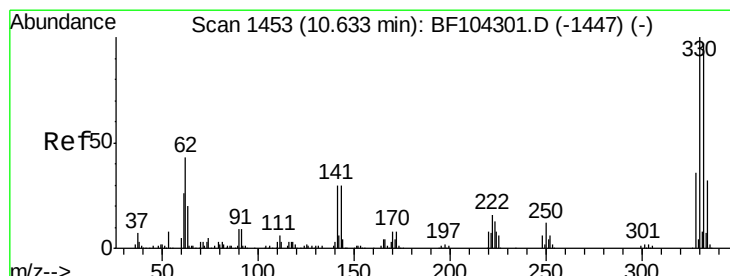
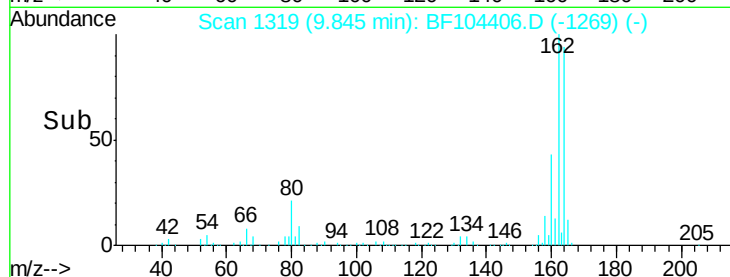
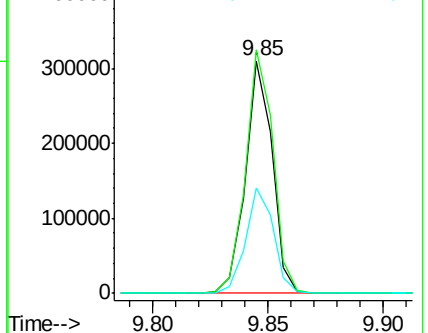
160 45.1 38.3 57.5



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: 110.148 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

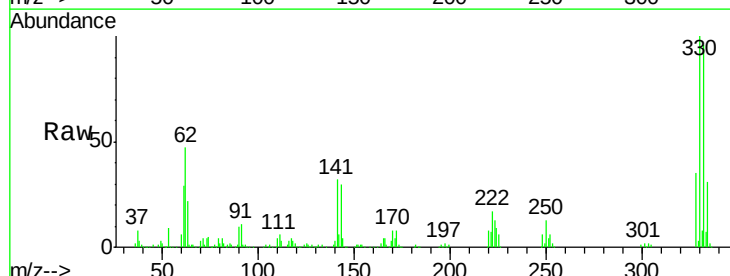
Tgt Ion:330 Resp: 287740

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

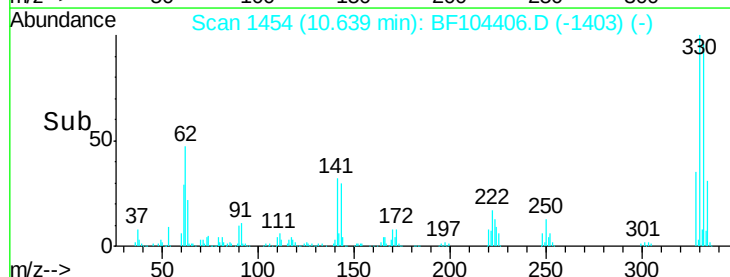
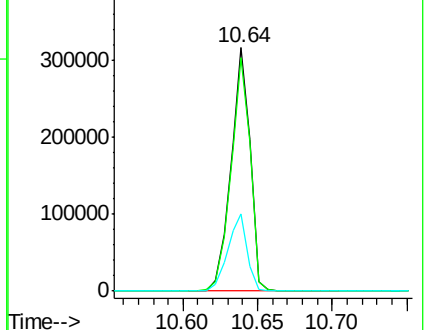
141 32.6 29.9 44.9

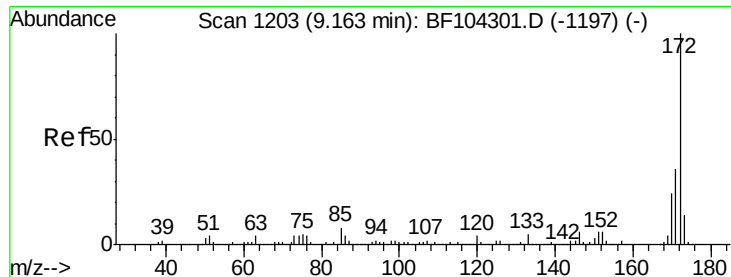


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

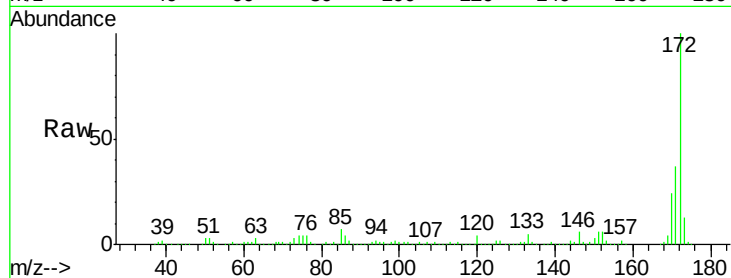




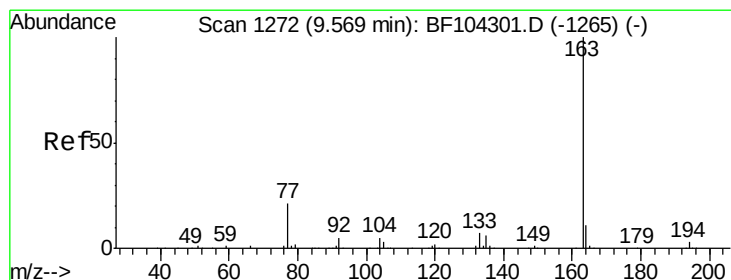
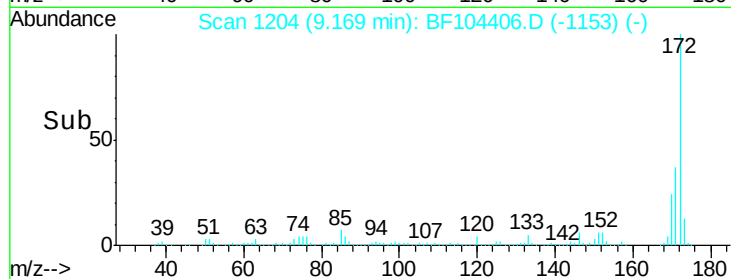
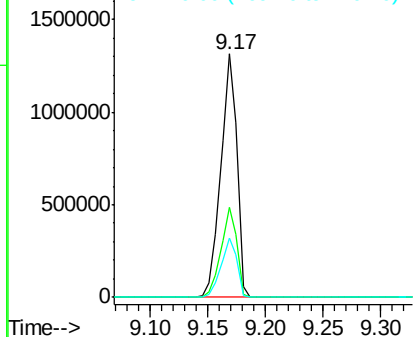
#44
2-Fluorobiphenyl
Concen: 79.808 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tgt Ion:172 Resp: 1272221
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.2 19.6 29.4

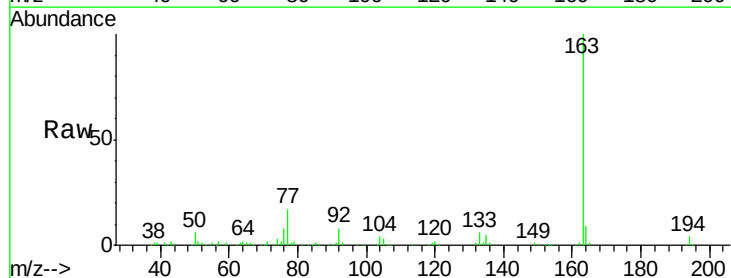


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

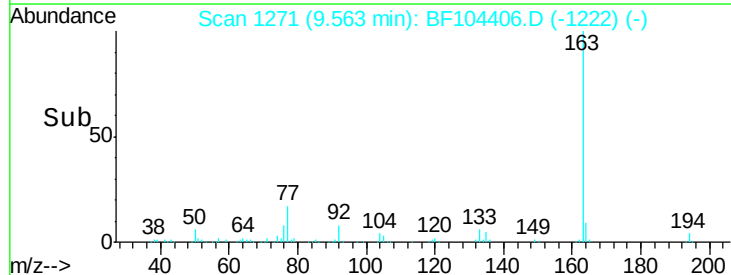
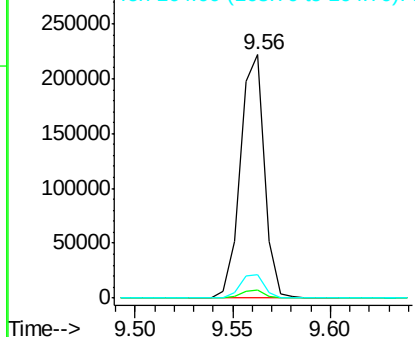


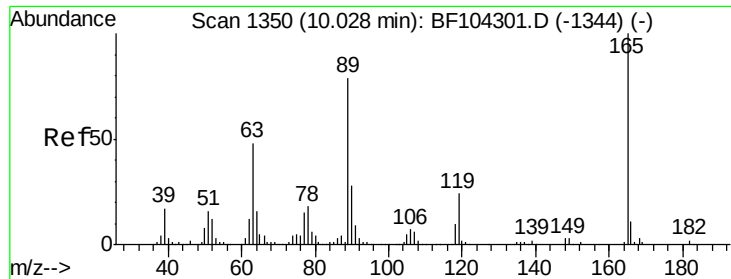
#49
Dimethylphthalate
Concen: 9.495 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion:163 Resp: 188564
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.5 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

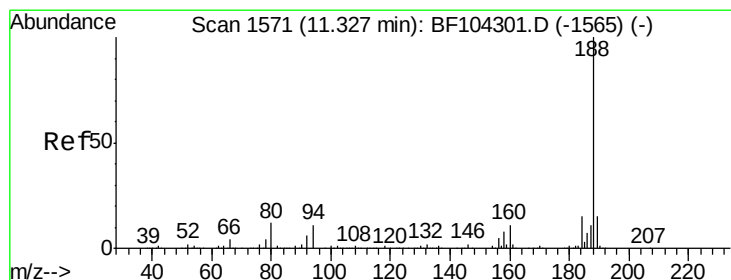
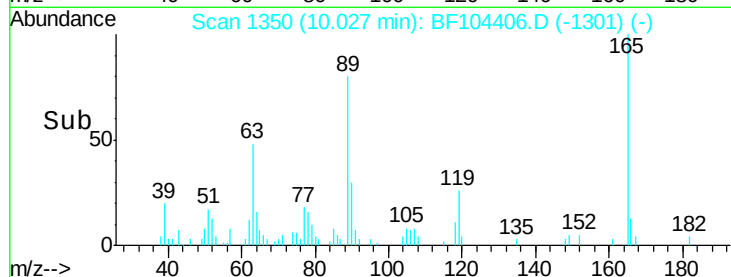
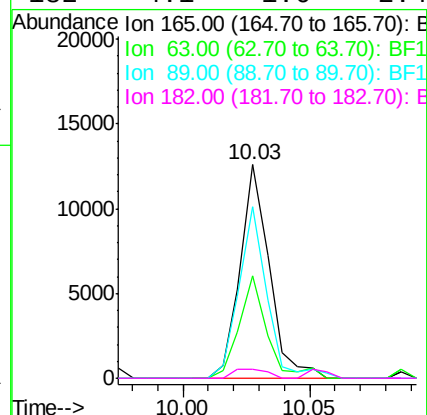
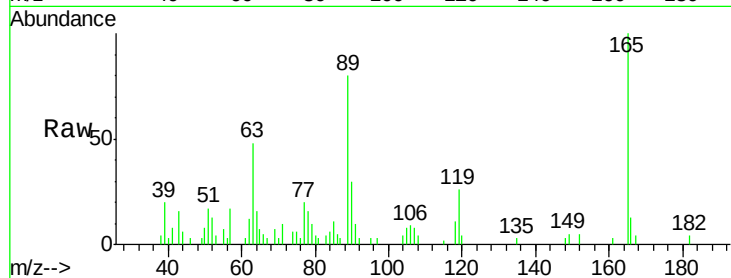




#56
 2,4-Dinitrotoluene
 Concen: 2.098 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

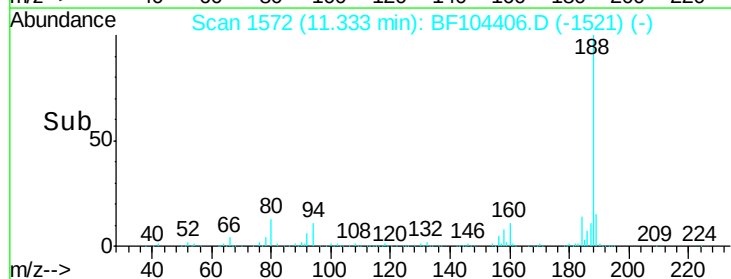
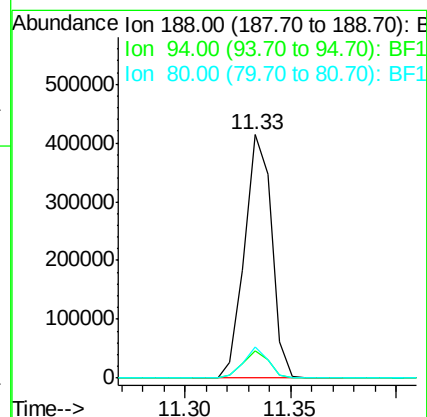
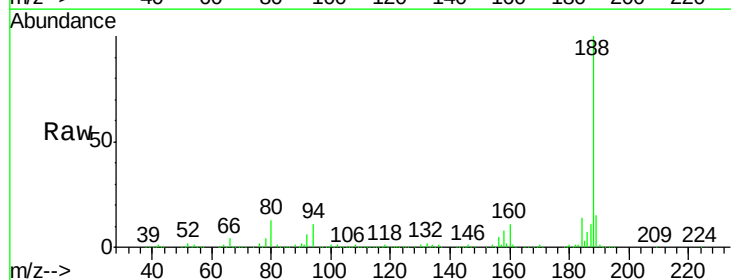
Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

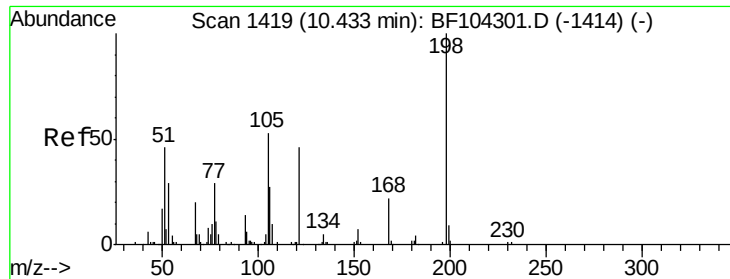
Tgt Ion:	165	Resp:	10114
Ion	Ratio	Lower	Upper
165	100		
63	47.9	36.4	54.6
89	80.1	57.8	86.6
182	4.1	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion:	188	Resp:	366987
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.8	9.2	13.8

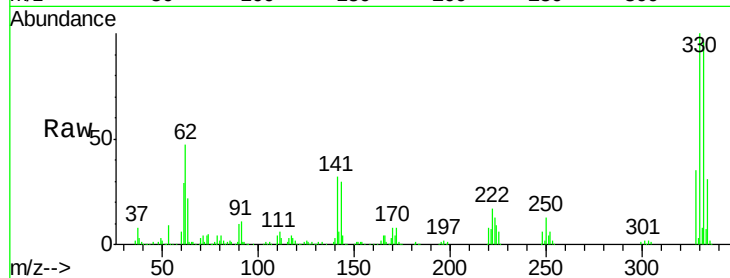




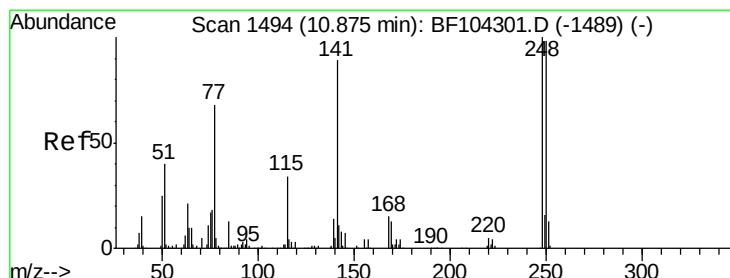
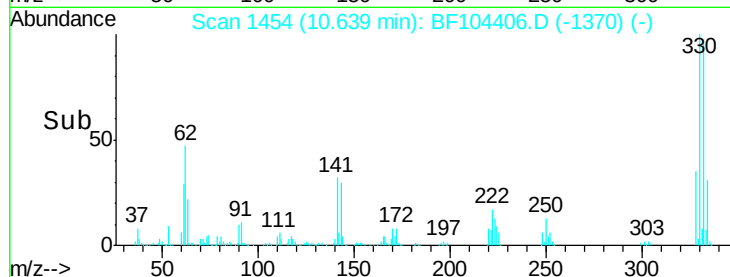
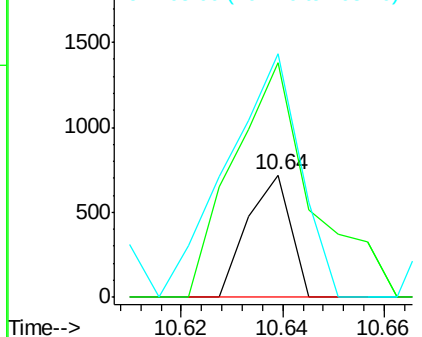
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.547 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Tgt Ion:198 Resp: 421
 Ion Ratio Lower Upper
 198 100
 51 192.4 37.7 77.7#
 105 199.2 36.3 76.3#

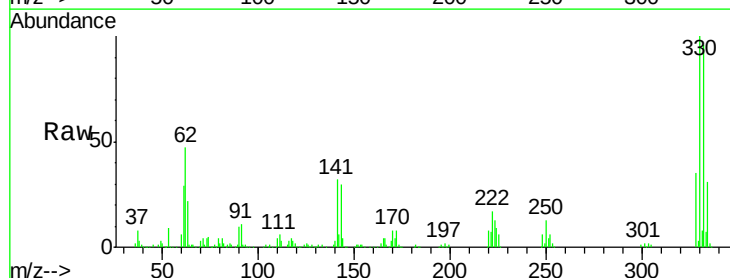


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

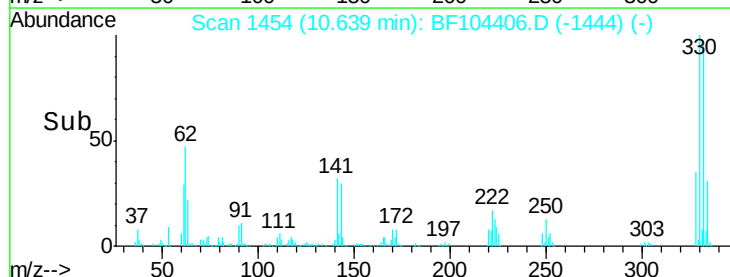
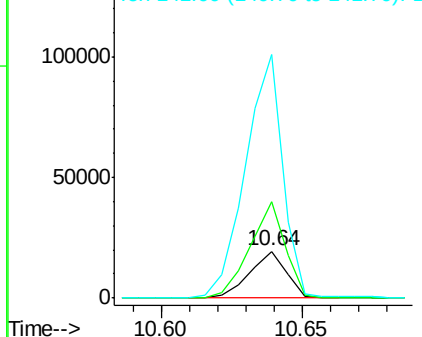


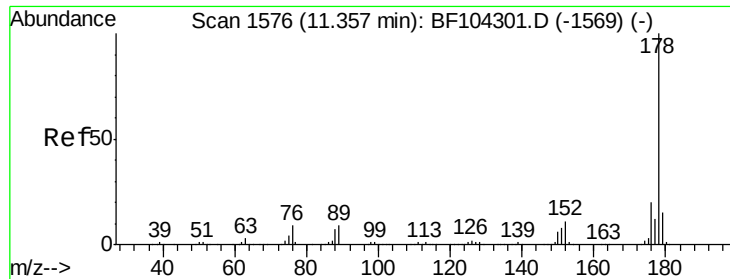
#66
 4-Bromophenyl-phenylether
 Concen: 4.471 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion:248 Resp: 17451
 Ion Ratio Lower Upper
 248 100
 250 206.5 76.9 115.3#
 141 519.3 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





#70

Phenanthrene

Concen: 3.746 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

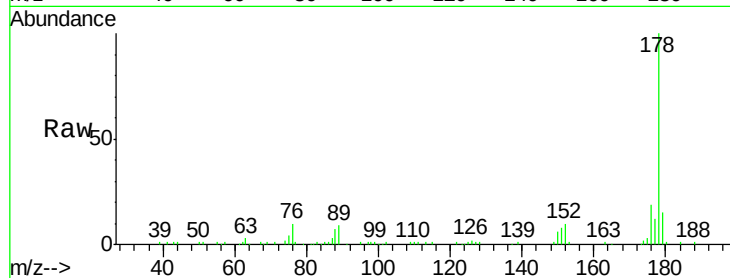
BNA_F

ClientSampleId :

S-2-COMP

Tgt Ion:178 Resp: 76559

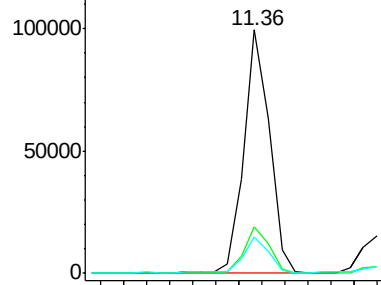
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6



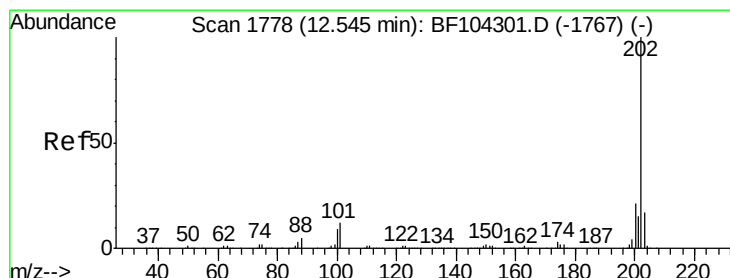
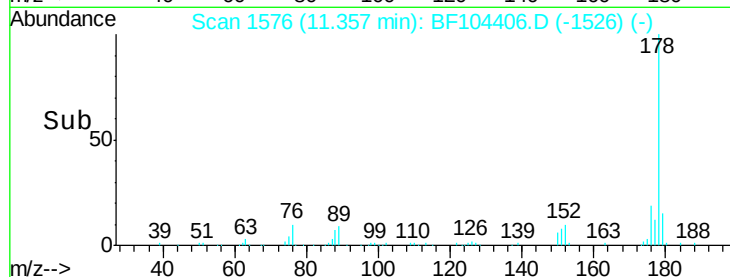
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 5.319 ng

RT: 12.54 min Scan# 1778

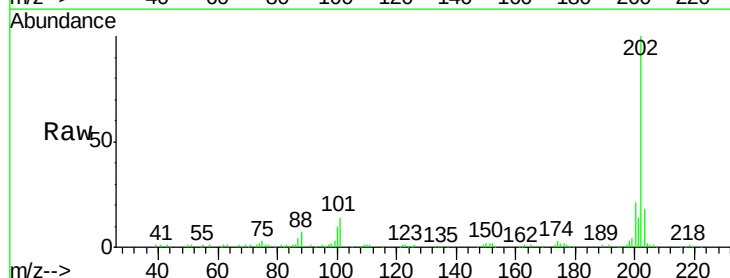
Delta R.T. -0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Tgt Ion:202 Resp: 113569

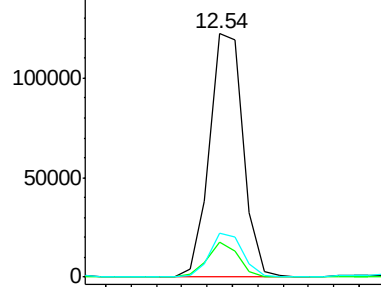
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.8	0.0	38.1



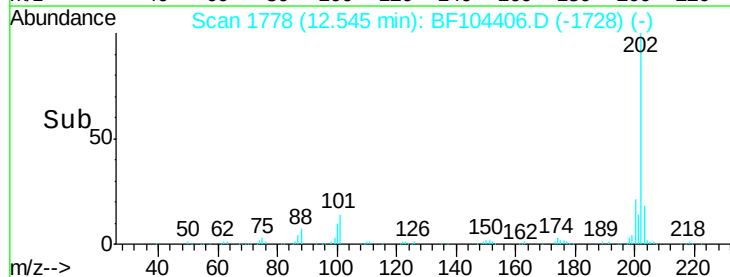
Abundance Ion 202.00 (201.70 to 202.70): E

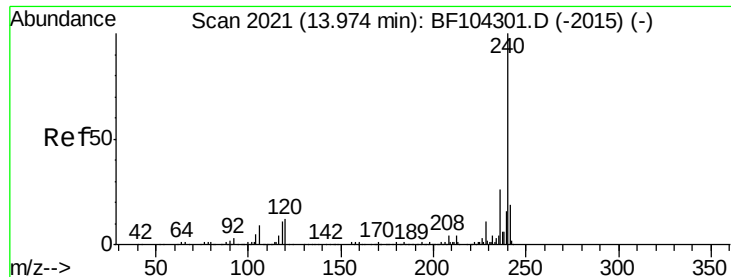
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

BNA_F

ClientSampleId :

S-2-COMP

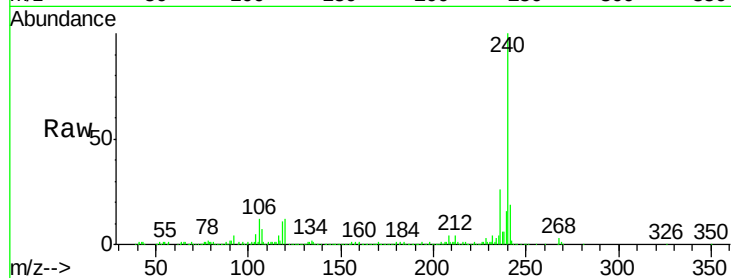
Tgt Ion:240 Resp: 304316

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

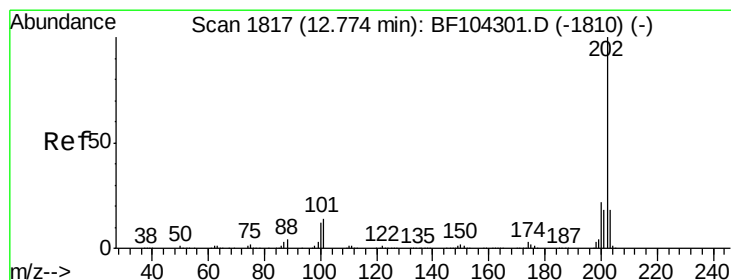
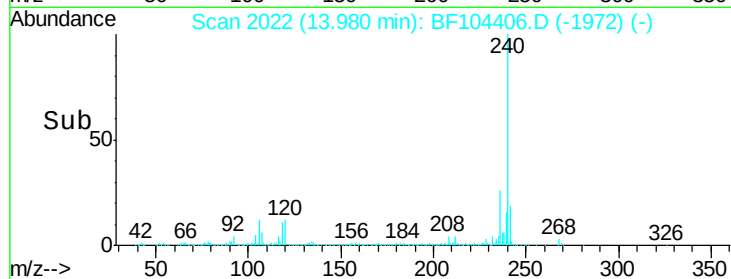
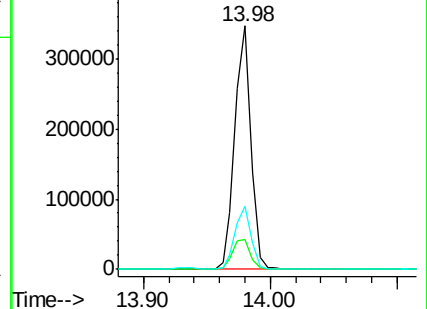
236 26.1 20.7 31.1



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: 5.275 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

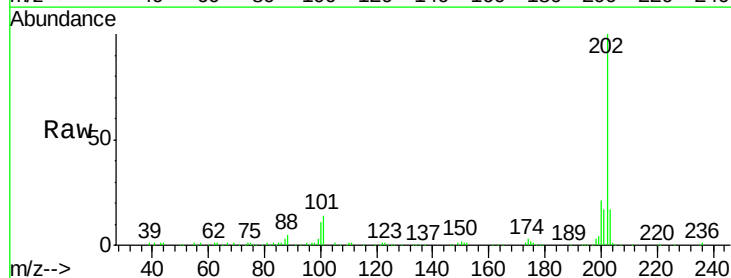
Tgt Ion:202 Resp: 118986

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

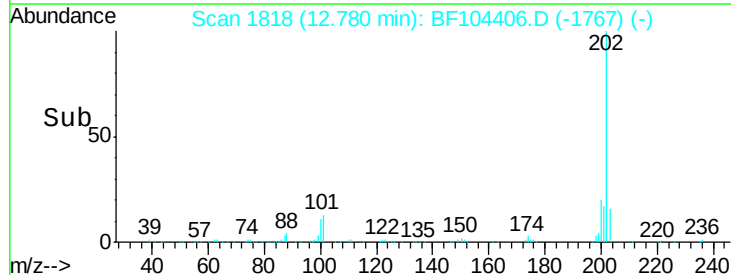
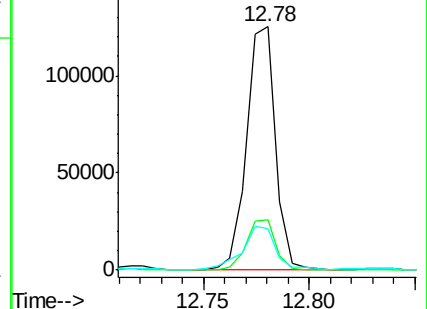
203 17.1 14.3 21.5

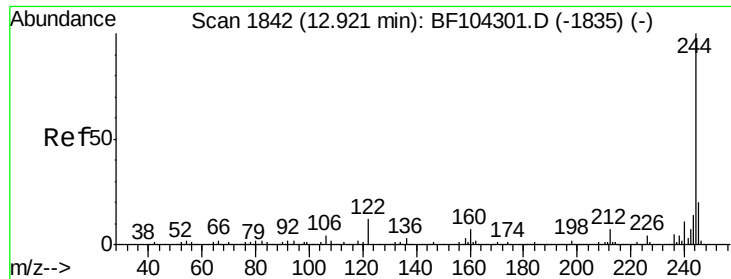


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

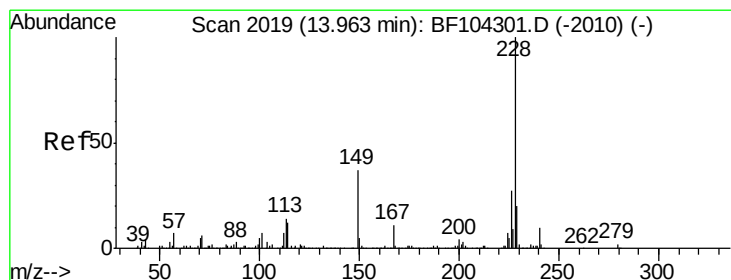
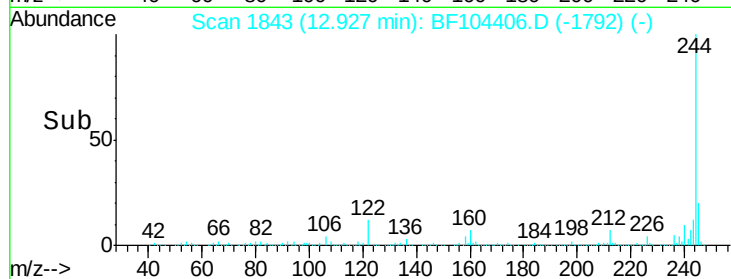
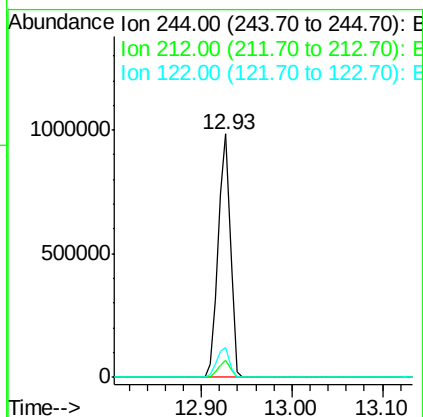
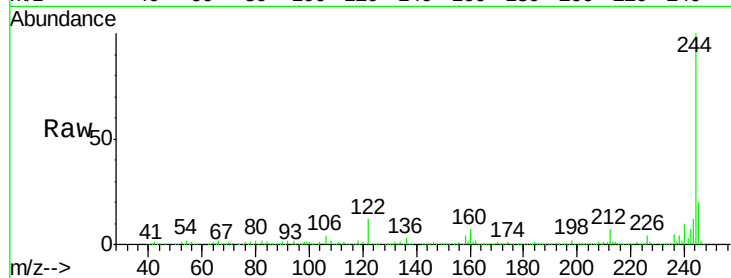




#78
 Terphenyl-d14
 Concen: 67.709 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

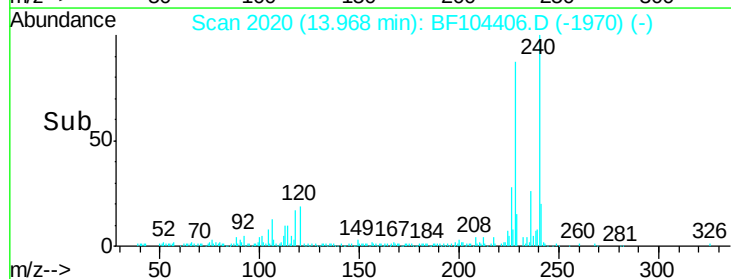
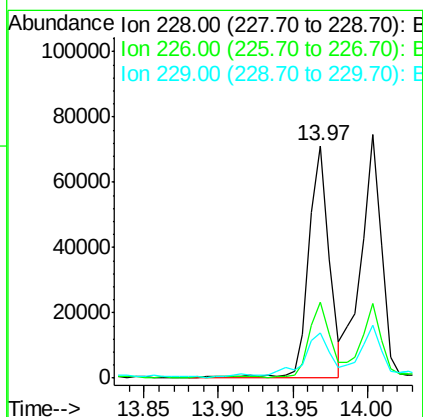
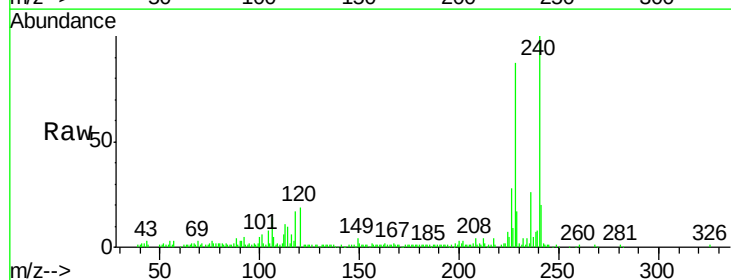
Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

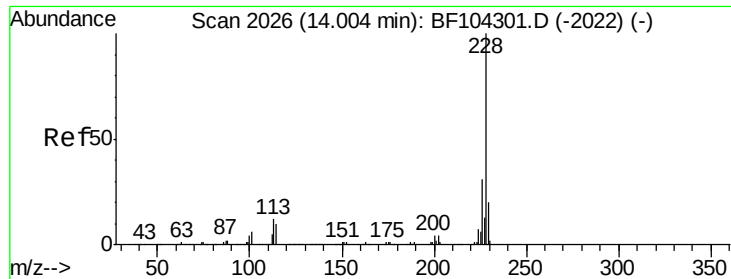
Tgt Ion:244 Resp: 903798
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.699 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion:228 Resp: 67249
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.6 33.8
 229 19.7 15.8 23.6

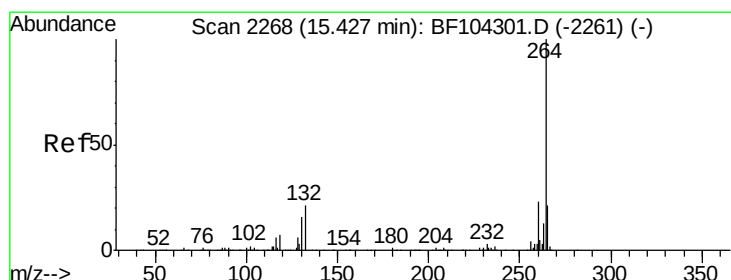
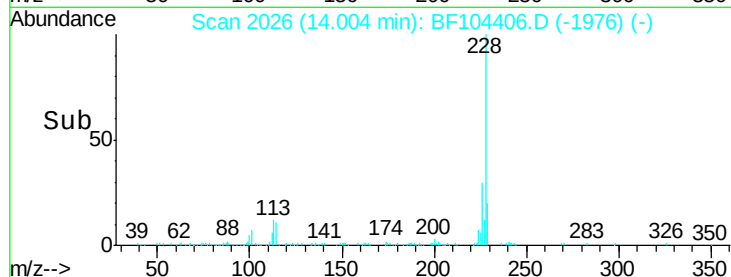
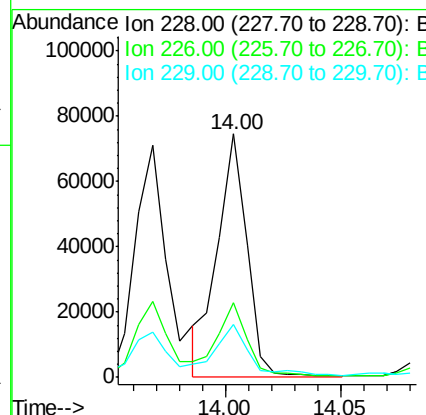
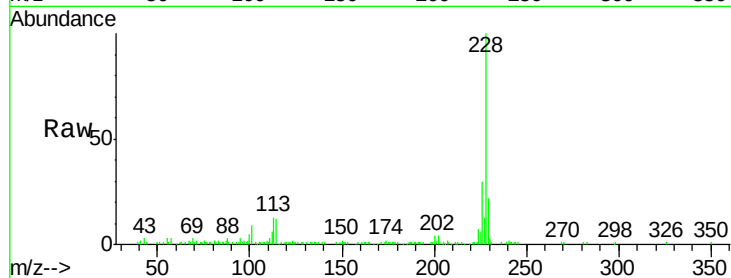




#82
Chrysene
Concen: 3.531 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

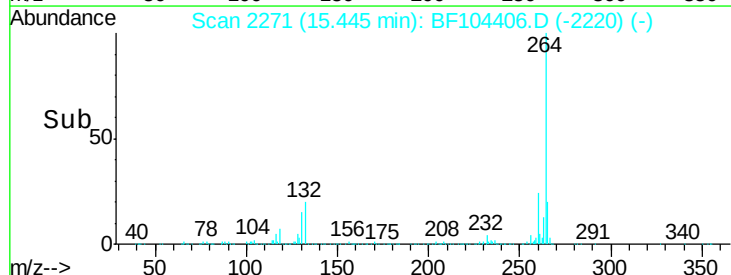
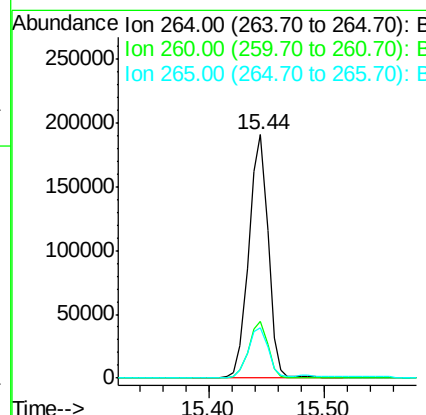
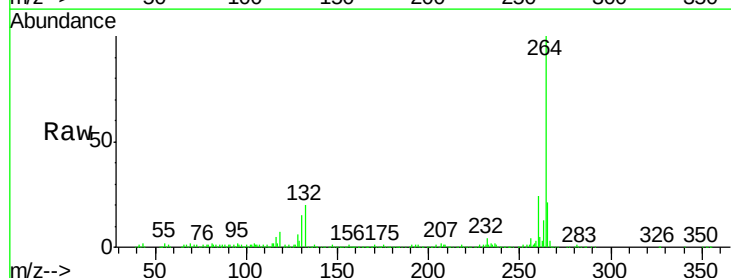
Instrument :
BNA_F
ClientSampleId :
S-2-COMP

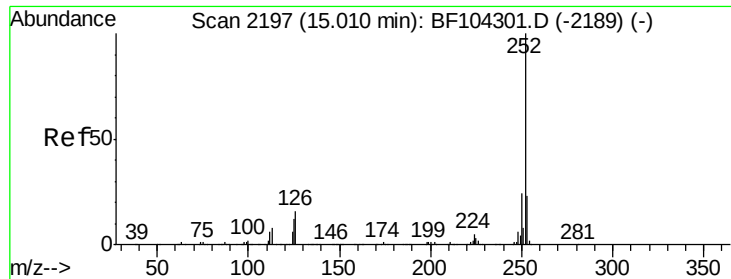
Tgt Ion: 228 Resp: 65928
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.6 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion: 264 Resp: 222859
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 20.6 17.5 26.3

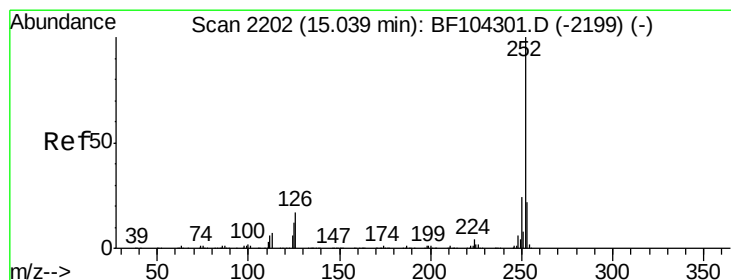
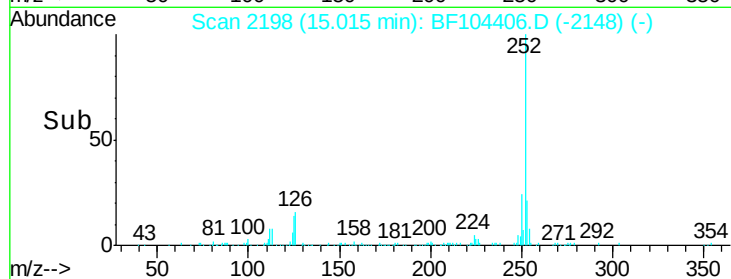
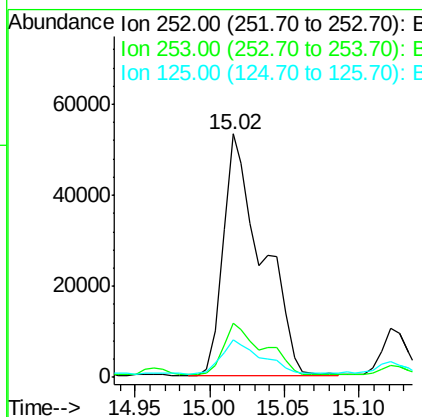
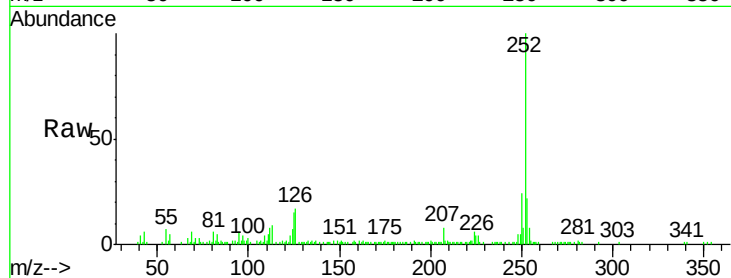




#87
Benzo(b)fluoranthene
Concen: 6.892 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

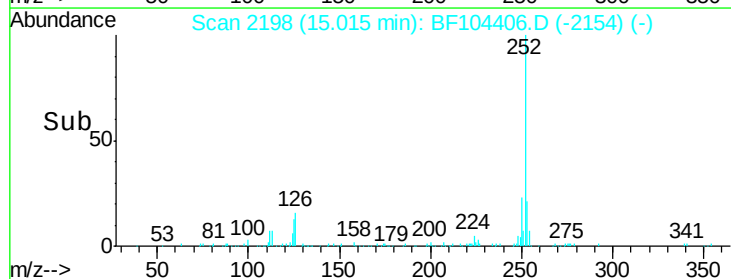
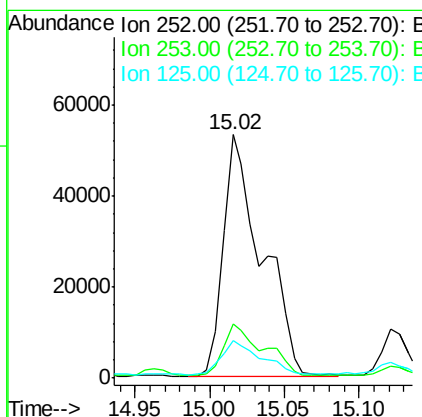
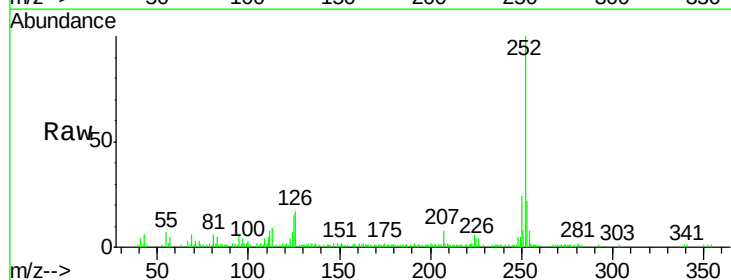
Instrument :
BNA_F
ClientSampleId :
S-2-COMP

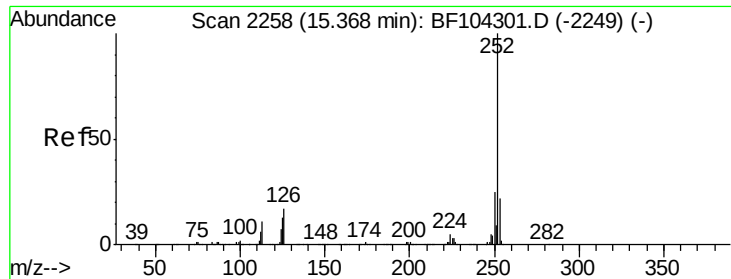
Tgt Ion:252 Resp: 97004
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 15.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 7.300 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion:252 Resp: 97004
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 15.4 10.2 15.2#

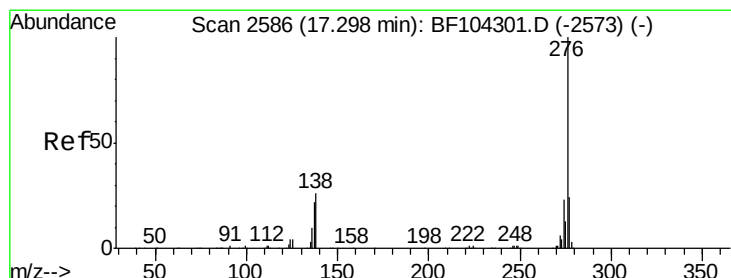
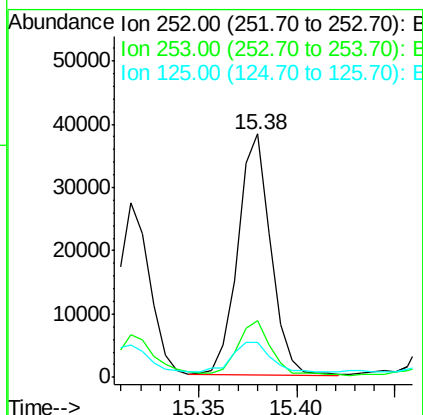
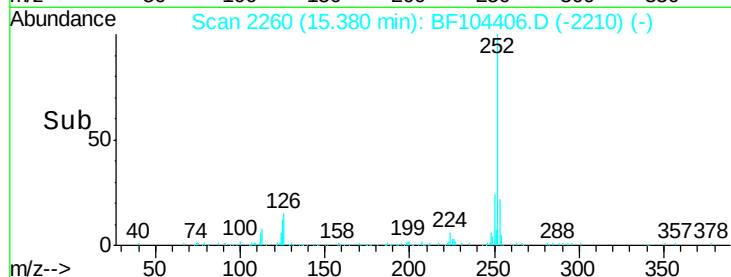
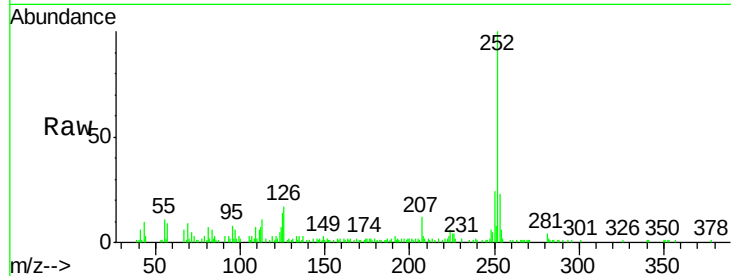




#89
Benzo(a)pyrene
Concen: 3.518 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tgt Ion:252 Resp: 44300
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 14.1 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.504 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion:276 Resp: 25092
Ion Ratio Lower Upper
276 100
277 28.5 17.9 26.9#
138 29.3 21.8 32.8

