

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104677.D
 Acq On : 20 Apr 2018 16:35
 Operator : JU/SJ
 Sample : J2475-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-01

Quant Time: Apr 21 04:12:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

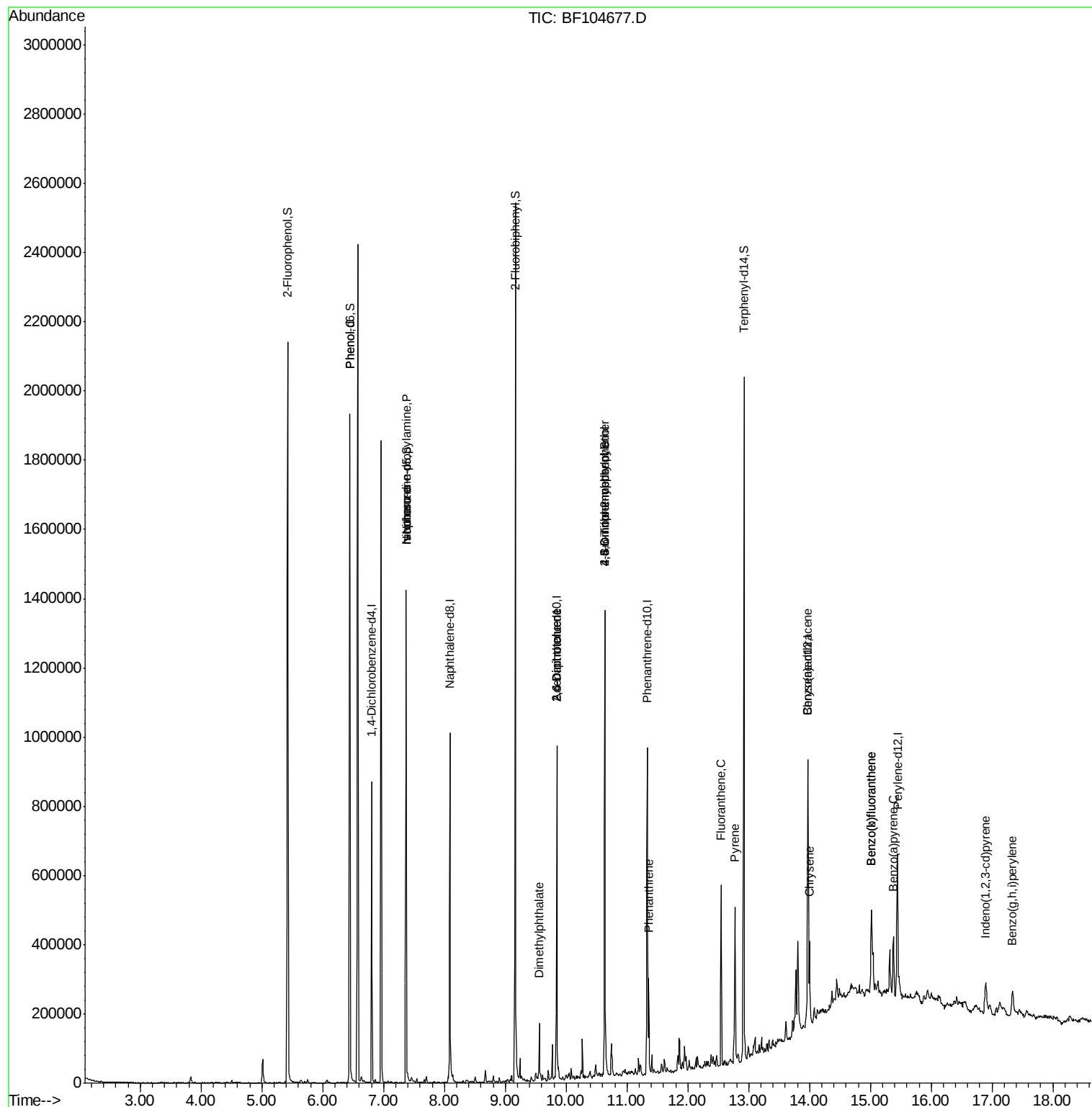
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115191	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	450031	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	187700	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	310245	20.00	ng	0.00
75) Chrysene-d12	13.98	240	239747	20.00	ng	0.00
86) Perylene-d12	15.44	264	189610	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	613309	81.41	ng	0.00
7) Phenol-d6	6.45	99	735127	79.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	428498	62.17	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	159300	81.82	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	781184	65.75	ng	0.00
78) Terphenyl-d14	12.92	244	657408	62.51	ng	0.00
Target Compounds						
10) Phenol	6.45	94	20157	2.052	ng	81
19) n-Nitroso-di-n-propylamine	7.37	70	54684	9.041	ng	# 74
25) Isophorone	7.37	82	428492	29.401	ng	# 64
49) Dimethylphthalate	9.56	163	53610	3.622	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24403	8.910	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	24403	6.793	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	178	7.447	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9301	2.818	ng	# 1
70) Phenanthrene	11.36	178	91411	5.291	ng	99
74) Fluoranthene	12.54	202	183454	10.163	ng	99
76) Benzidine	12.92	184	8437	Below Cal		99
77) Pyrene	12.77	202	173381	9.756	ng	100
80) Benzo(a)anthracene	13.97	228	85514	5.971	ng	96
82) Chrysene	14.00	228	94657	6.434	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	57076	4.567	ng	94
87) Benzo(b)fluoranthene	15.02	252	165469	13.817	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	165469	14.636	ng	97
89) Benzo(a)pyrene	15.38	252	77586	7.241	ng	# 96
91) Benzo(a,h,i)perylene	17.34	276	57847	6.785	ng	98

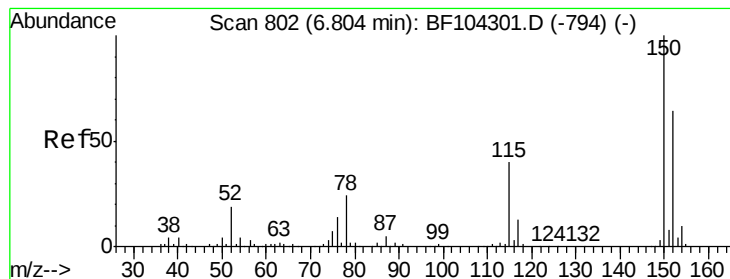
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
Data File : BF104677.D
Acq On : 20 Apr 2018 16:35
Operator : JU/SJ
Sample : J2475-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Quant Time: Apr 21 04:12:08 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 20 14:49:55 2018
Response via : Initial Calibration



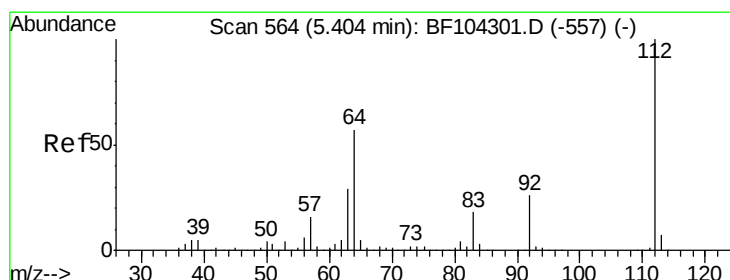
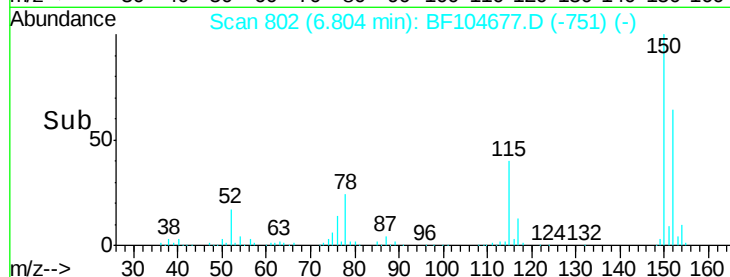
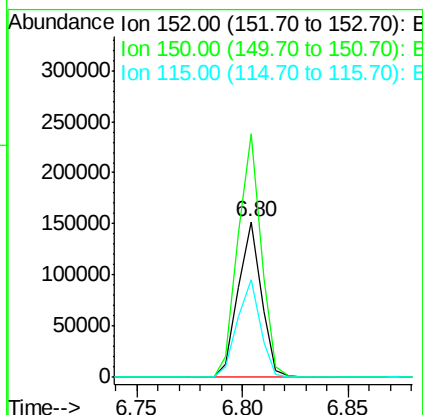
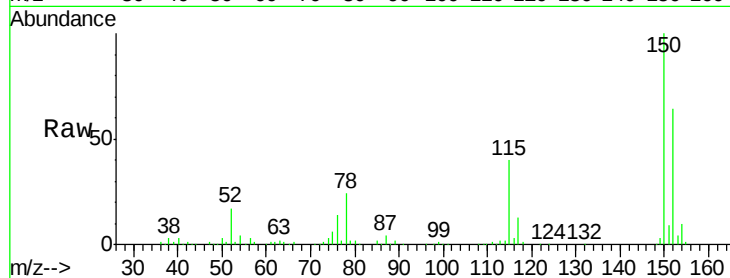


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

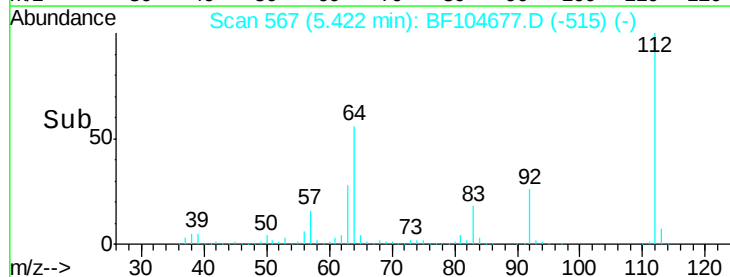
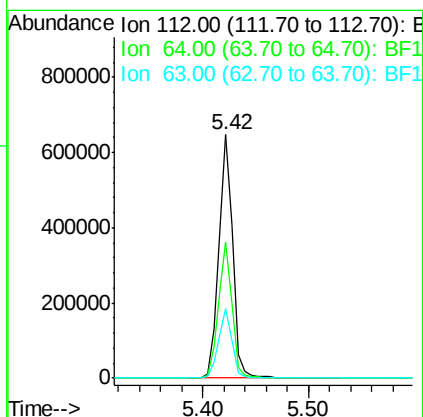
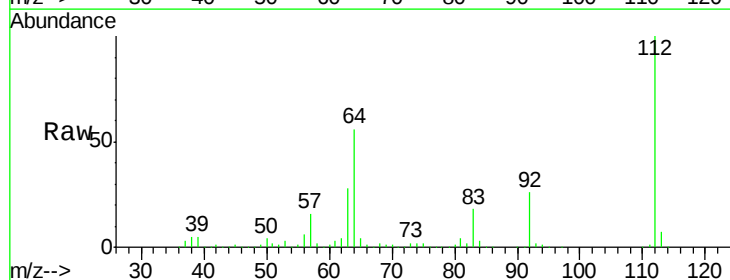
Tot Ion:152 Resp: 115191
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 62.9 50.1 75.1



#5

2-Fluorophenol
Concen: 81.411 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion:112 Resp: 613309
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 79.420 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

SB-03-01

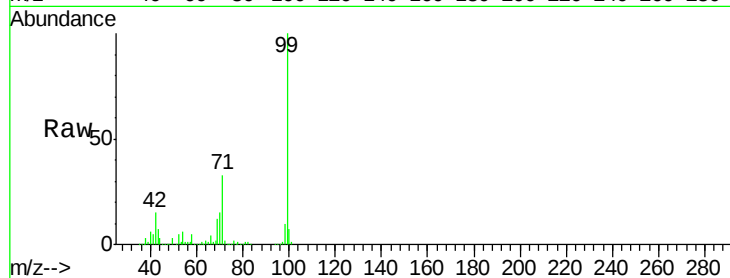
Tot Ion: 99 Resp: 735127

Ion Ratio Lower Upper

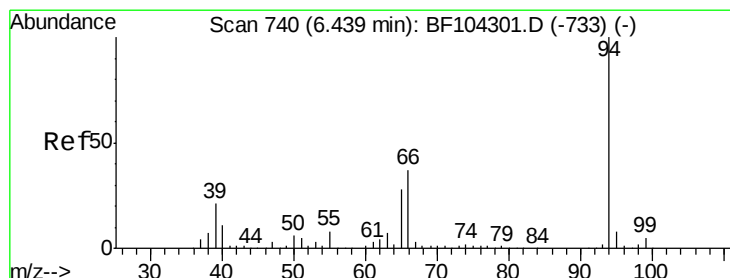
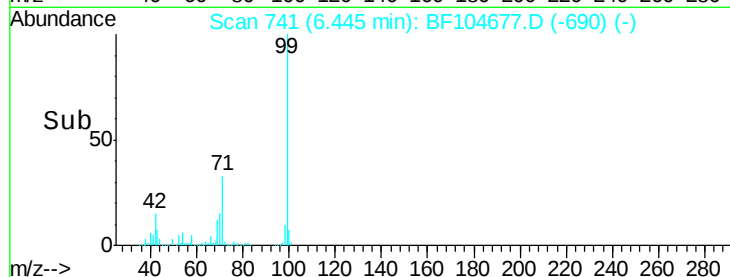
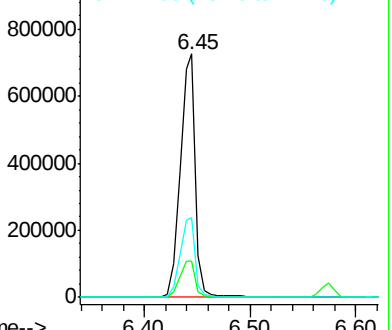
99 100

42 15.1 14.5 21.7

71 32.7 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



#10

Phenol

Concen: 2.052 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

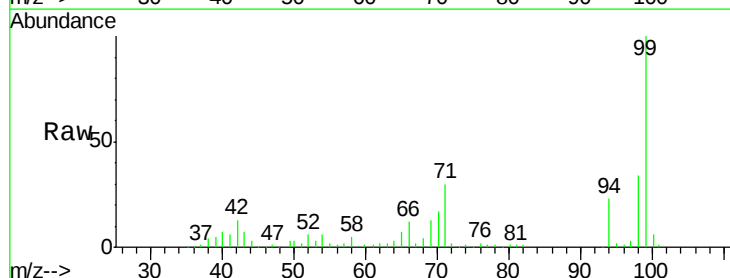
Tgt Ion: 94 Resp: 20157

Ion Ratio Lower Upper

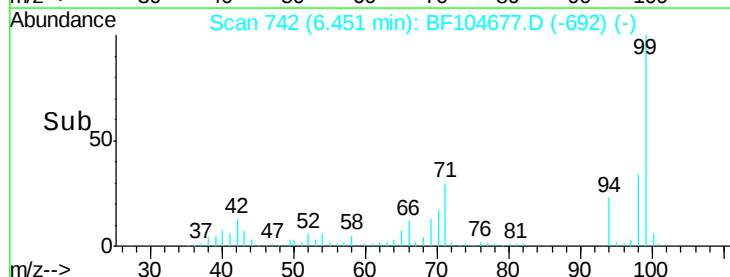
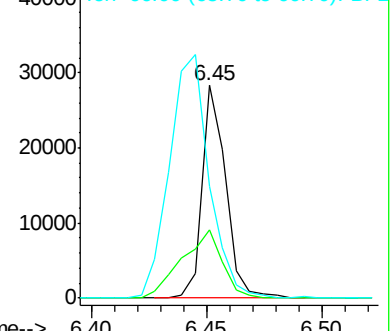
94 100

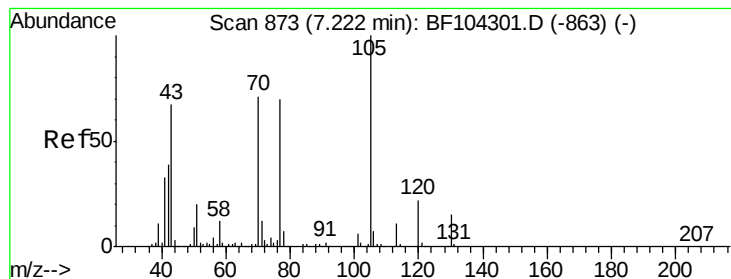
65 32.1 7.9 47.9

66 52.8 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: 9.041 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

ClientSampled :

SB-03-01

Tot Ion: 70 Resp: 54684

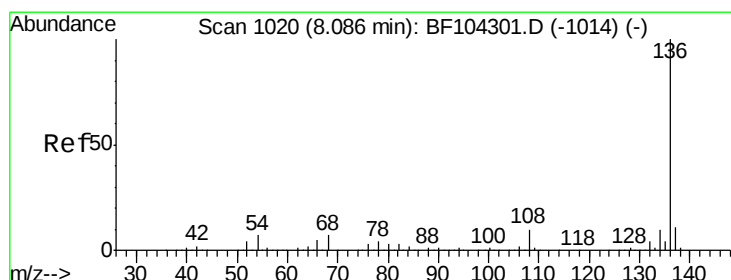
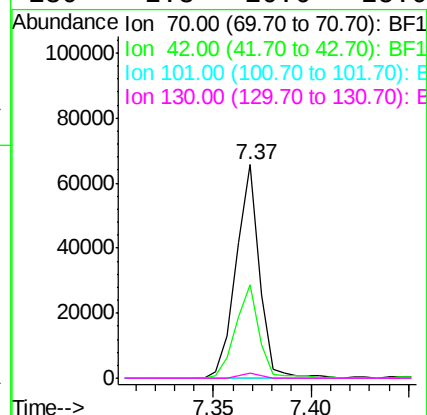
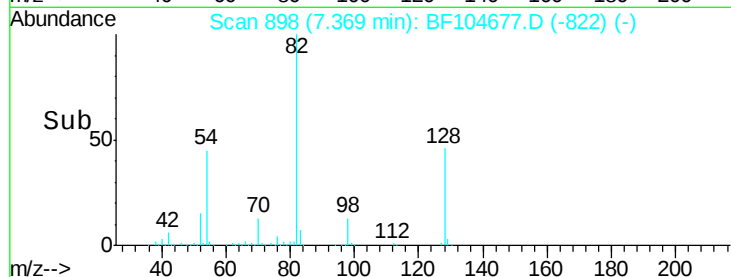
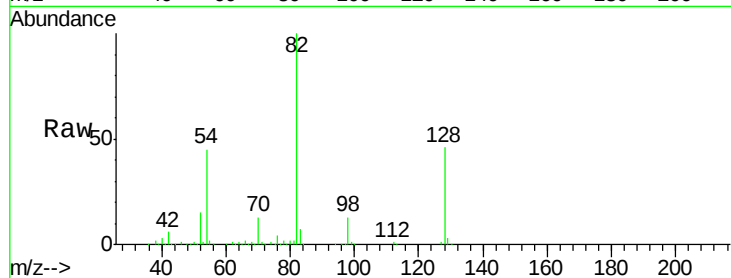
Ion Ratio Lower Upper

70 100

42 43.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Tgt Ion: 136 Resp: 450031

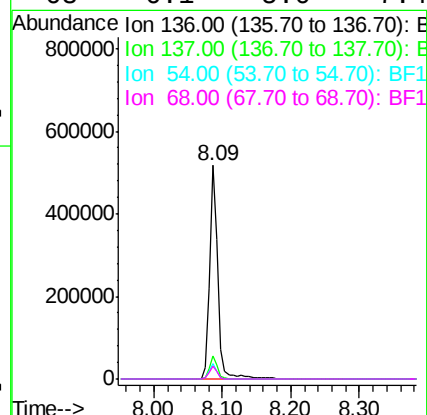
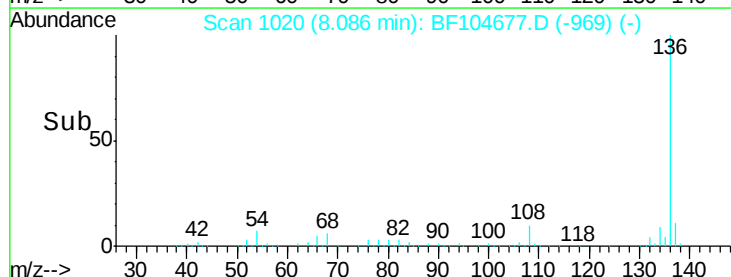
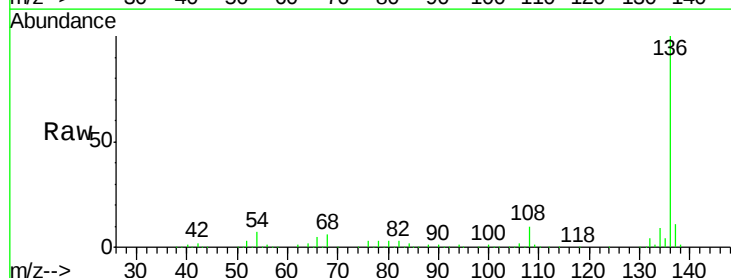
Ion Ratio Lower Upper

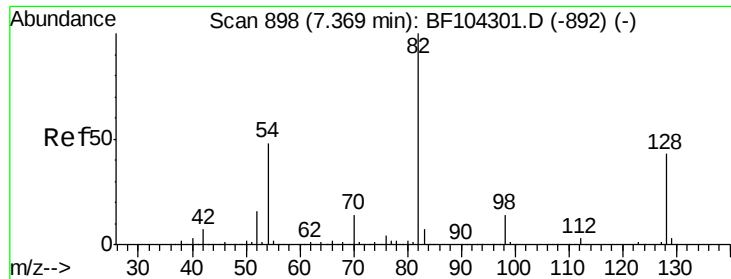
136 100

137 10.6 8.9 13.3

54 7.3 6.6 9.8

68 6.1 5.0 7.4

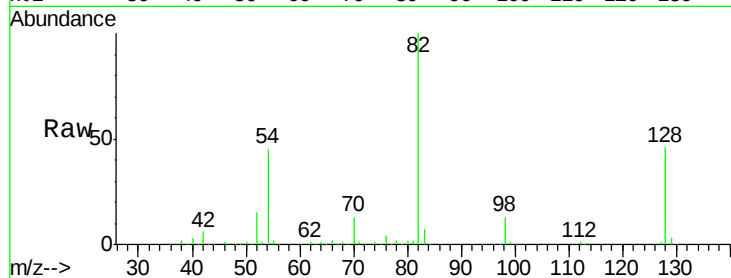




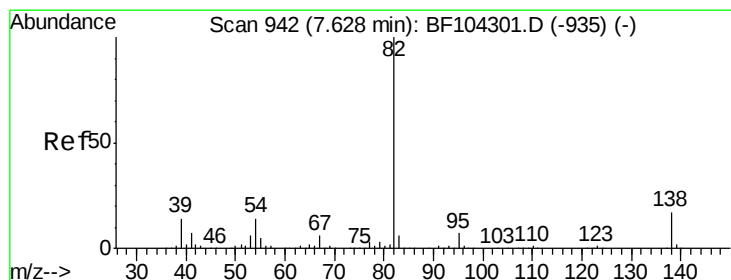
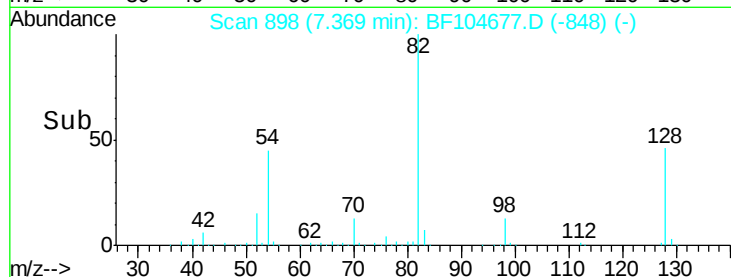
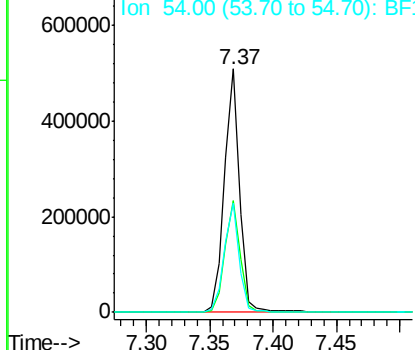
#23
 Nitrobenzene-d5
 Concen: 62.174 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-01

Tot Ion: 82 Resp: 428498
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 44.7 41.4 62.2

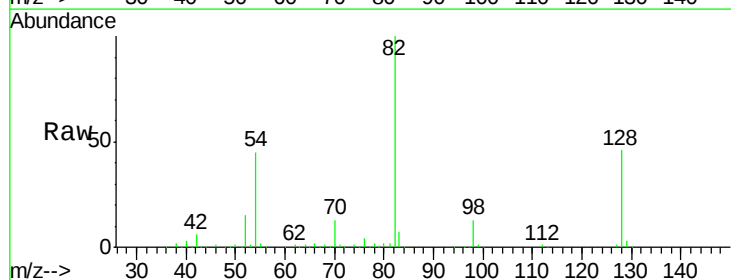


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

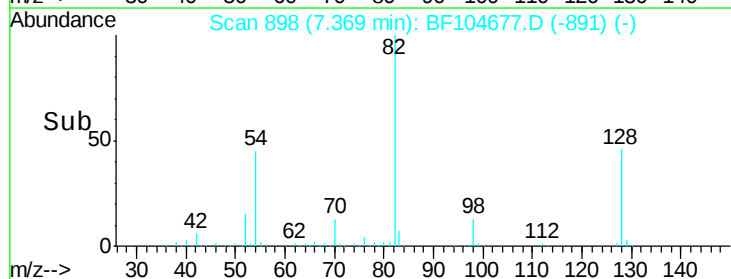
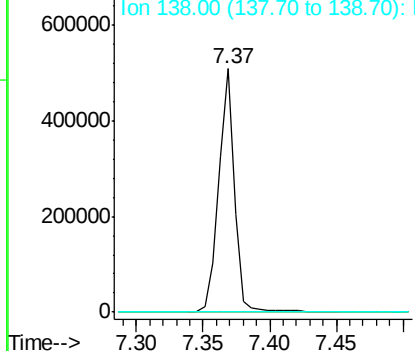


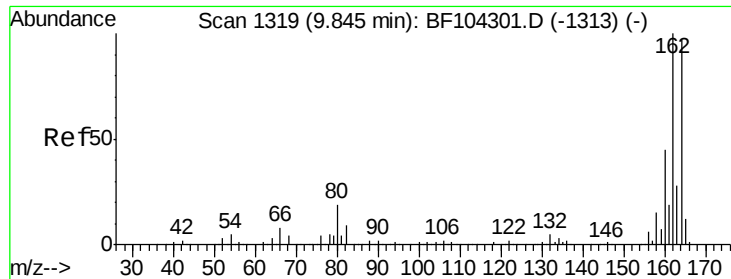
#25
 Isophorone
 Concen: 29.401 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Tgt Ion: 82 Resp: 428492
 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

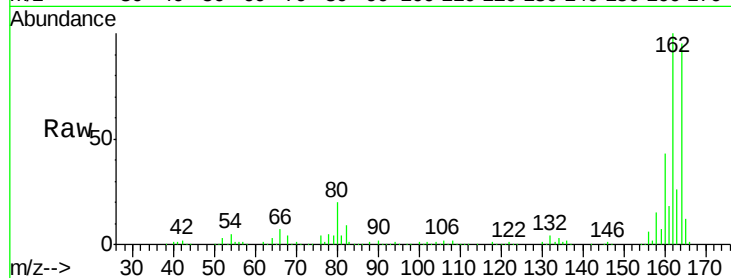




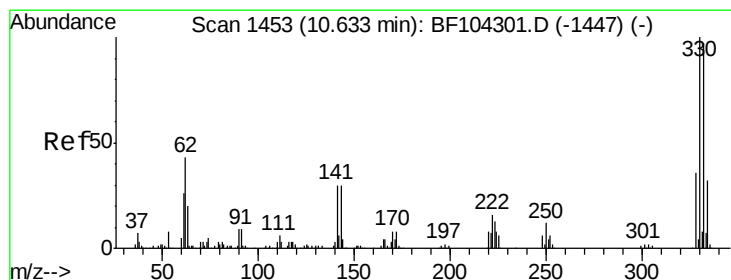
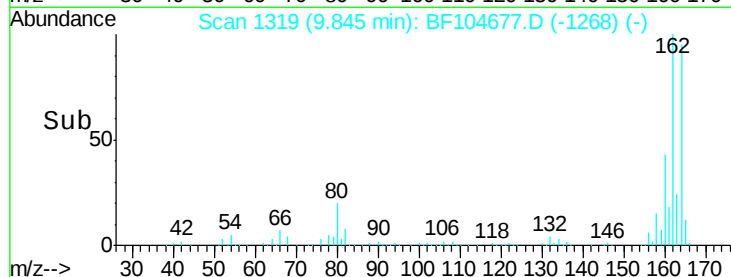
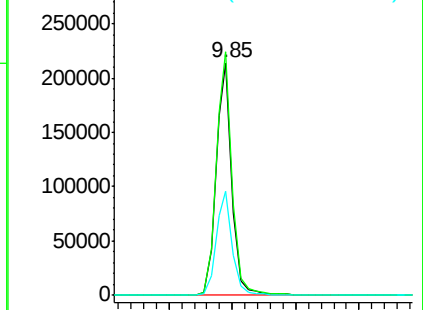
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-01

Tot Ion:164 Resp: 187700
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 45.1 38.3 57.5

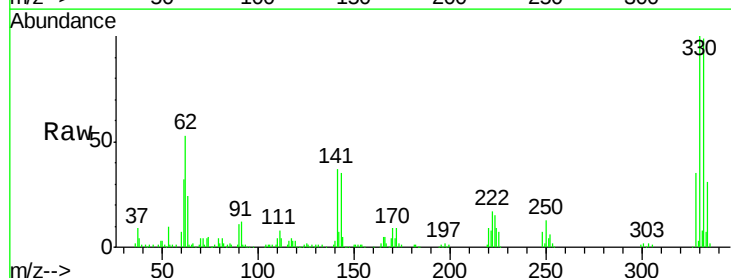


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

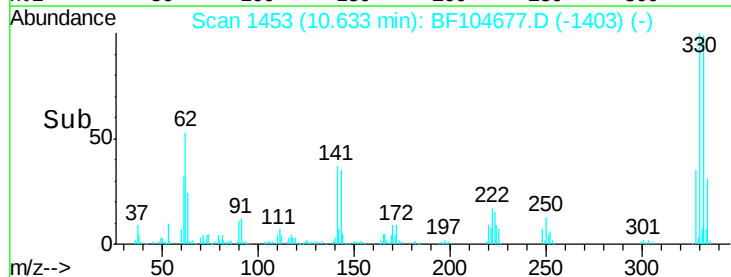
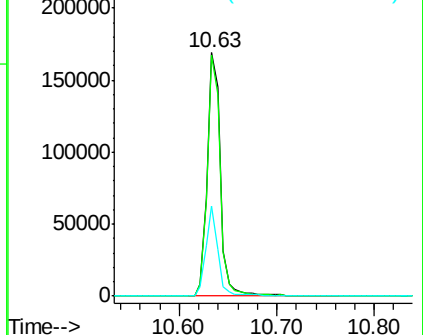


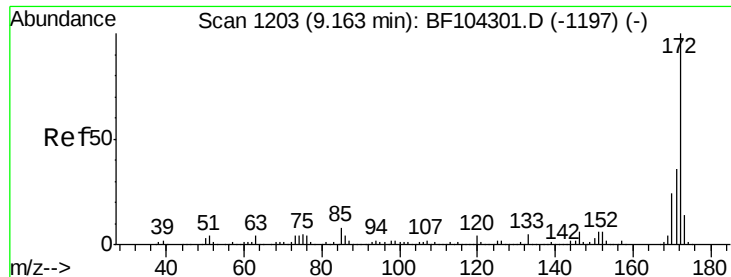
#41
 2,4,6-Tribromophenol
 Concen: 81.816 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Tgt Ion:330 Resp: 159300
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 34.0 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

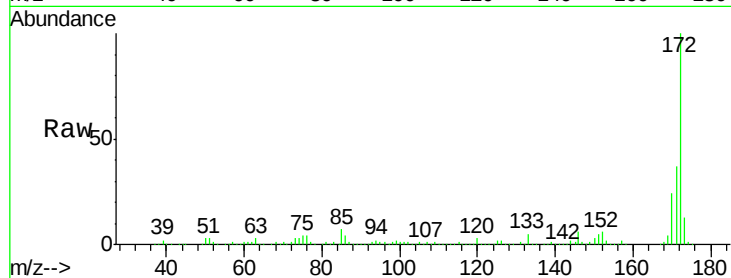




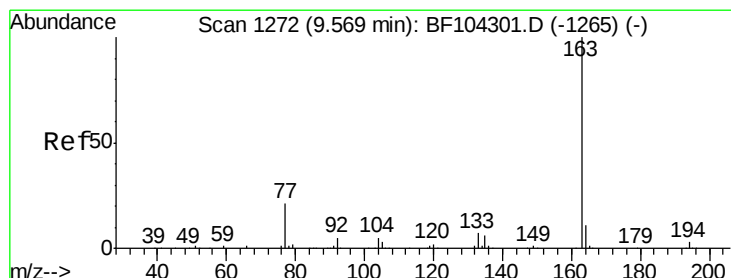
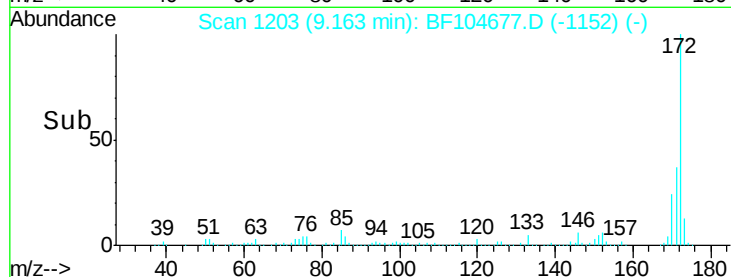
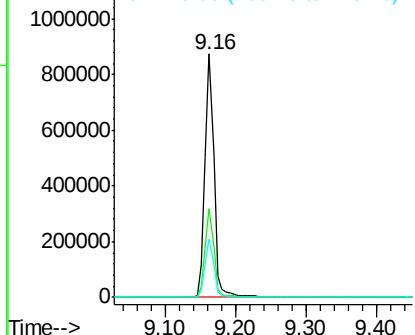
#44
2-Fluorobiphenyl
Concen: 65.747 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion:172 Resp: 781184
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 23.6 19.6 29.4

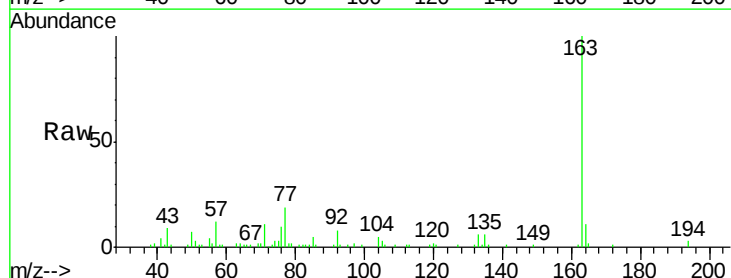


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

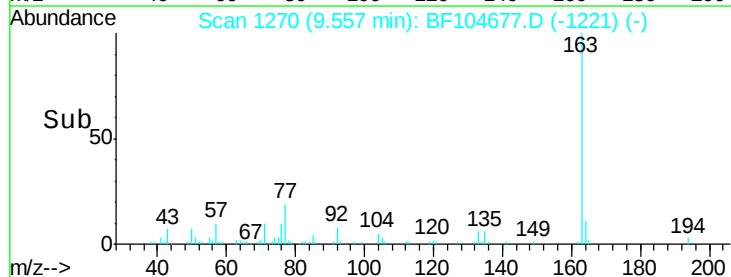
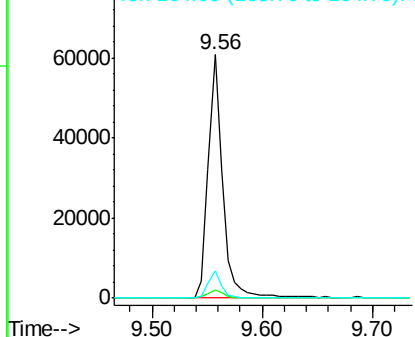


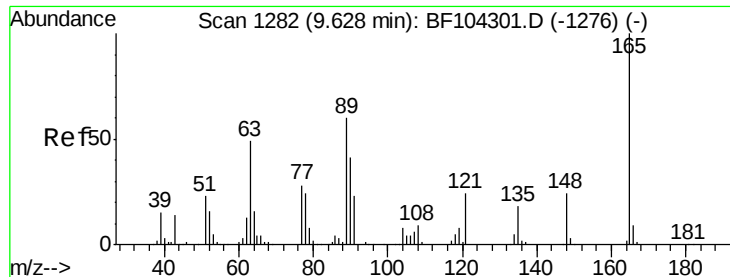
#49
Dimethylphthalate
Concen: 3.622 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion:163 Resp: 53610
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 11.2 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

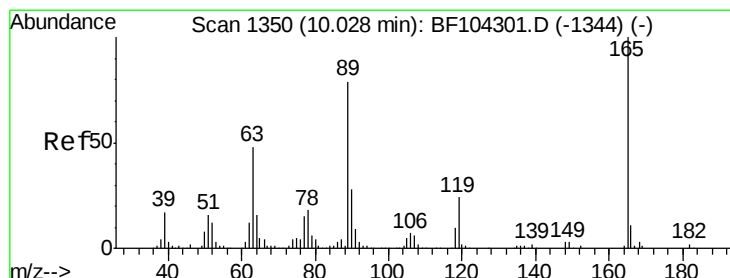
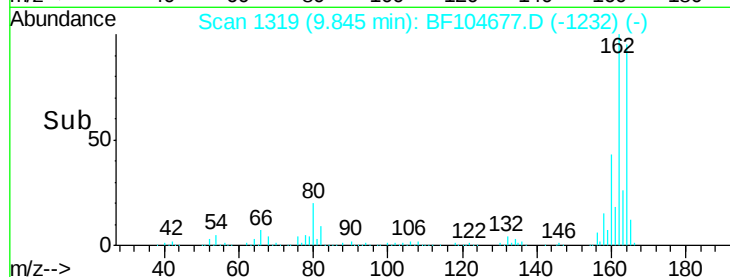
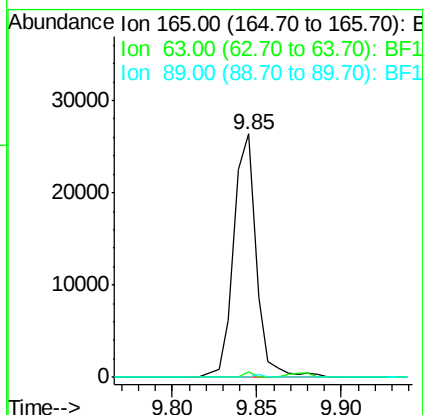
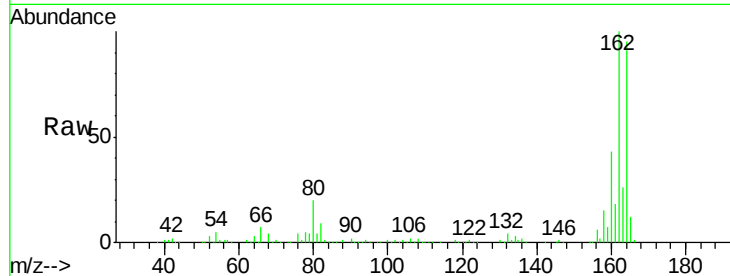




#50
2,6-Dinitrotoluene
Concen: 8.910 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

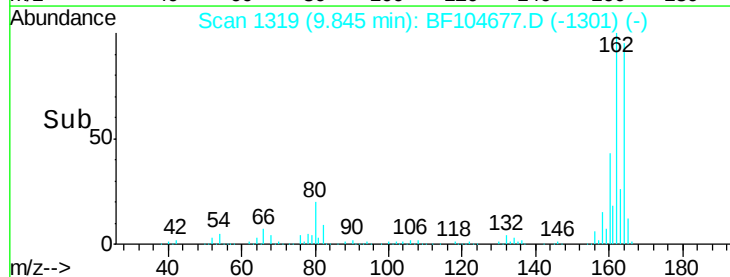
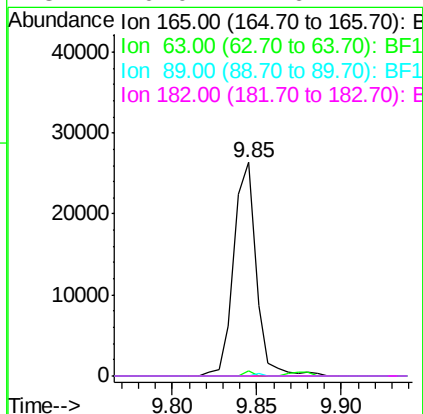
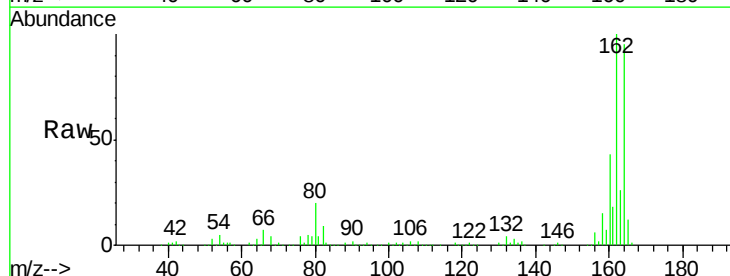
Instrument :
BNA_F
ClientSampleId :
SB-03-01

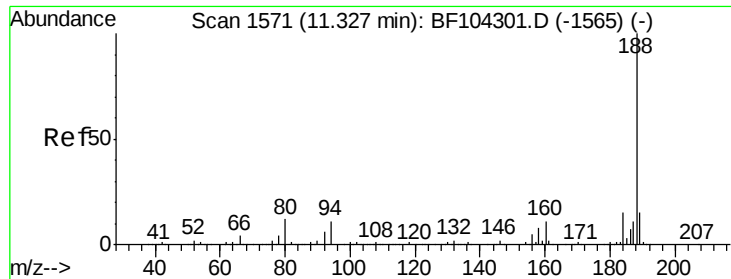
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	0.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.793 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

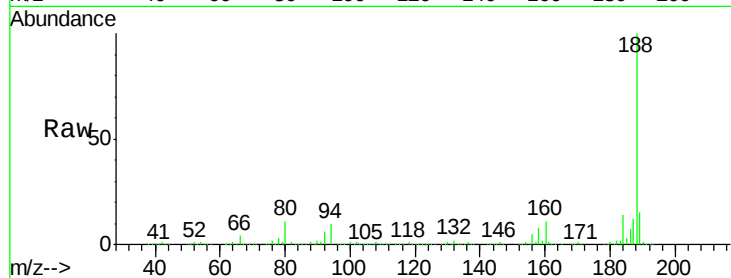




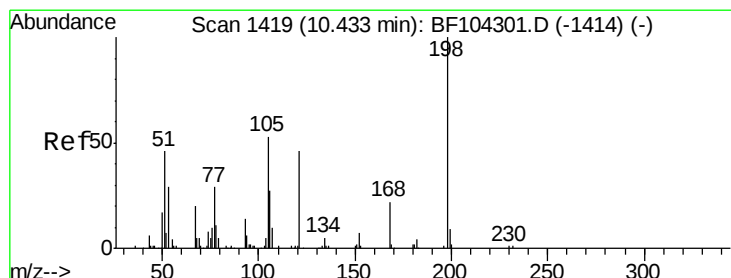
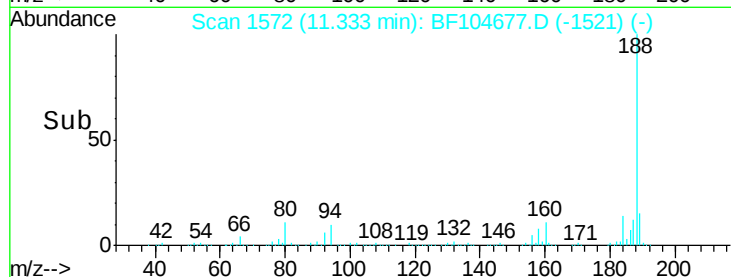
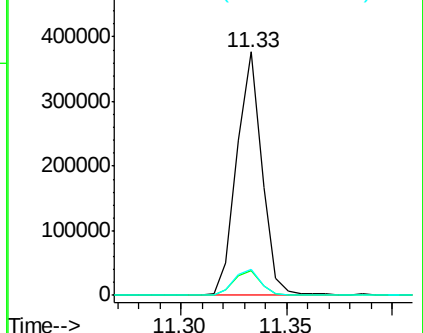
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion:188 Resp: 310245
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.6 9.2 13.8

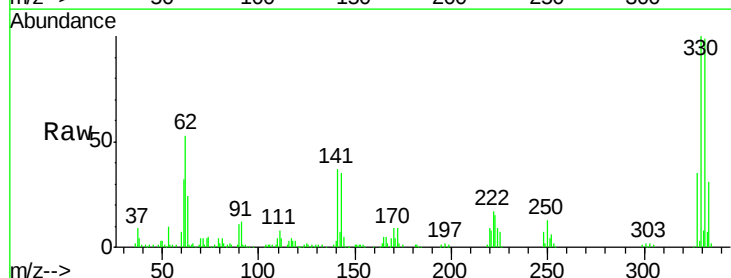


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

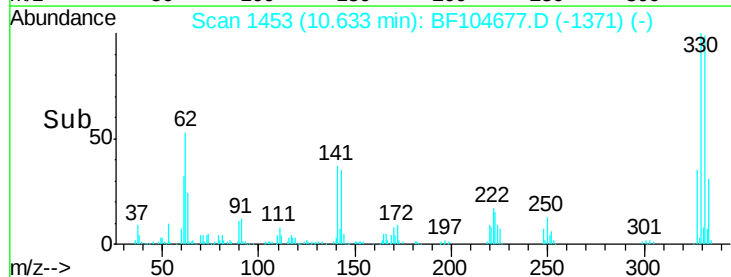
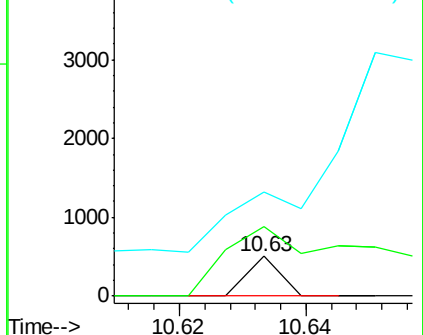


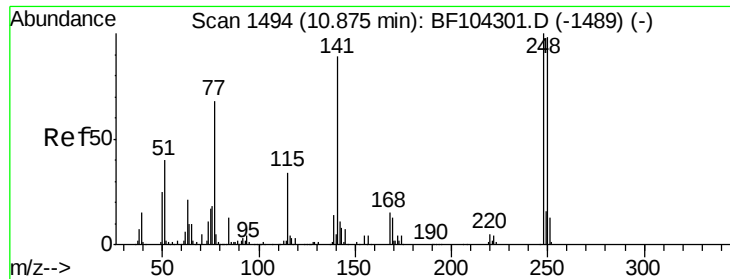
#64
4,6-Dinitro-2-methylphenol
Concen: 7.447 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion:198 Resp: 178
Ion Ratio Lower Upper
198 100
51 175.4 37.7 77.7#
105 262.9 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

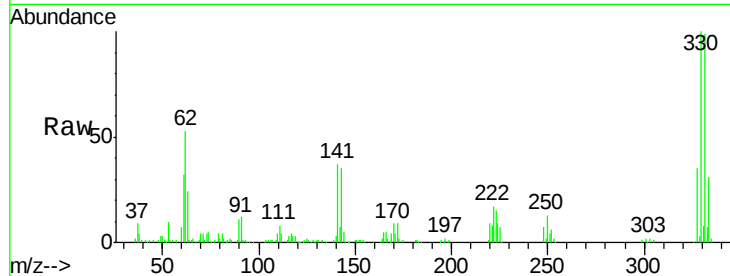




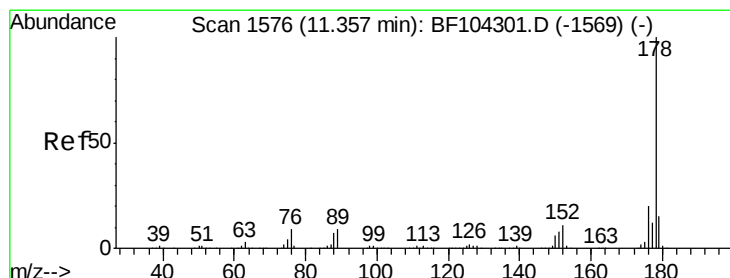
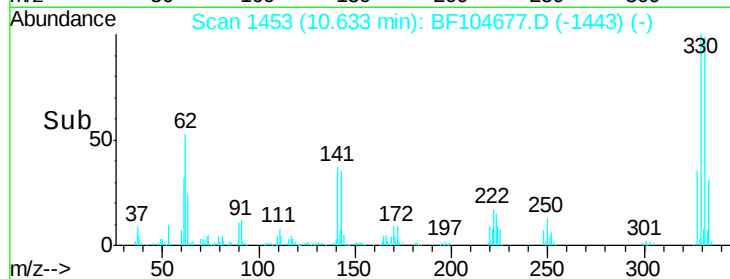
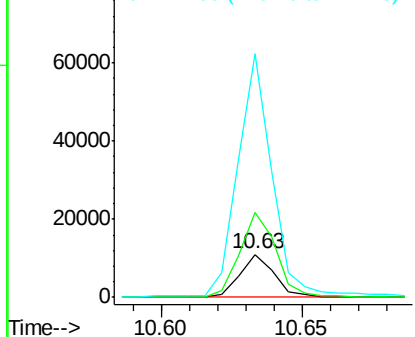
#66
 4-Bromophenyl-phenylether
 Concen: 2.818 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-01

Tot Ion:248 Resp: 9301
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 566.8 74.4 111.6#

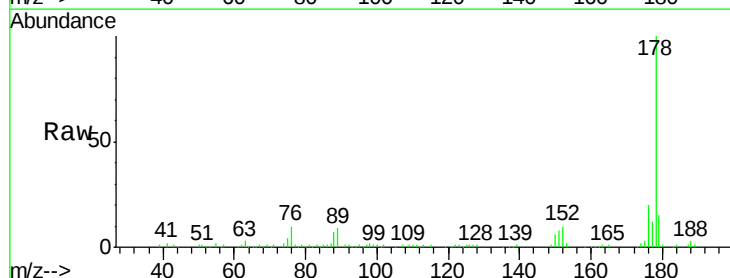


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

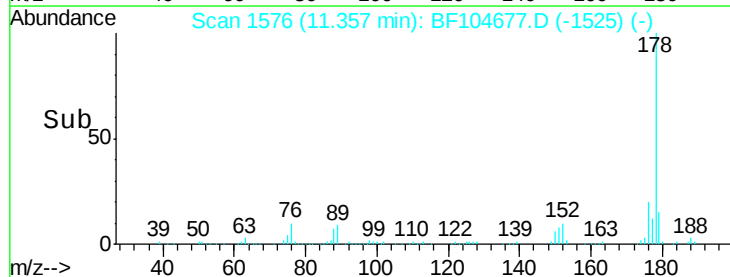
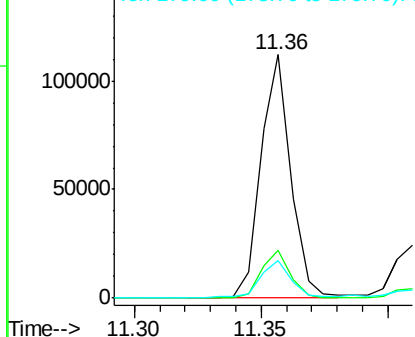


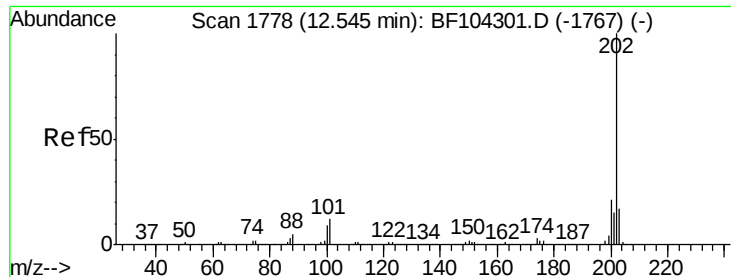
#70
 Phenanthrene
 Concen: 5.291 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF104677.D
 Acq: 20 Apr 2018 16:35

Tgt Ion:178 Resp: 91411
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.3 13.0 19.6



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





#74

Fluoranthene

Concen: 10.163 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

SB-03-01

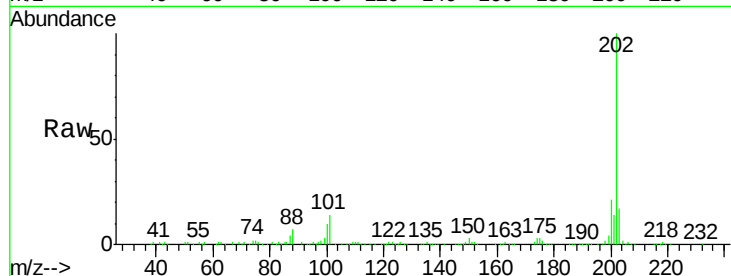
Tot Ion:202 Resp: 183454

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

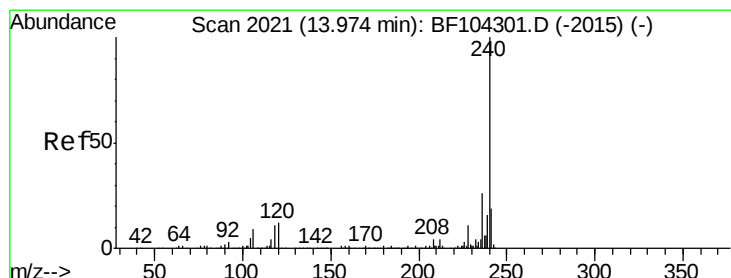
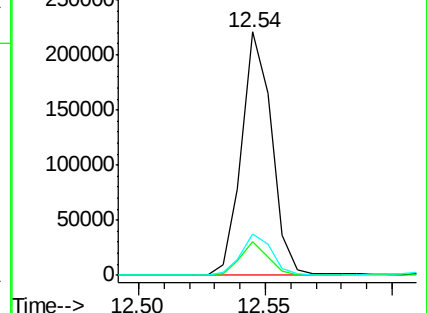
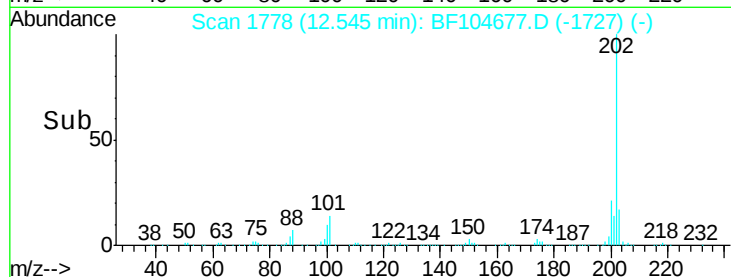
203 17.3 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

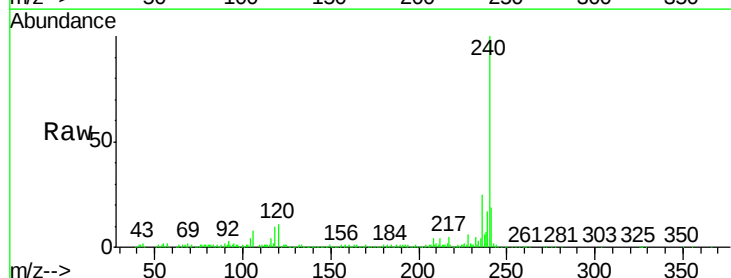
Tgt Ion:240 Resp: 239747

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

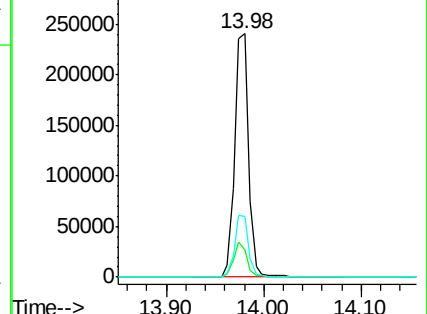
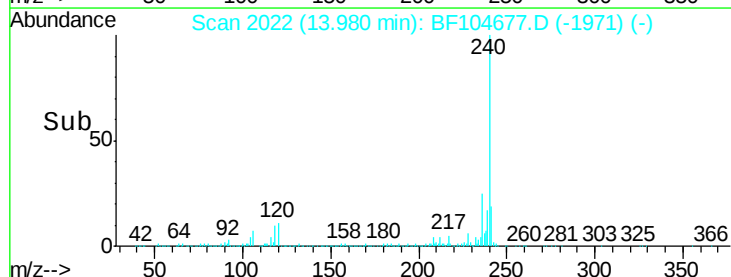
236 25.0 20.7 31.1

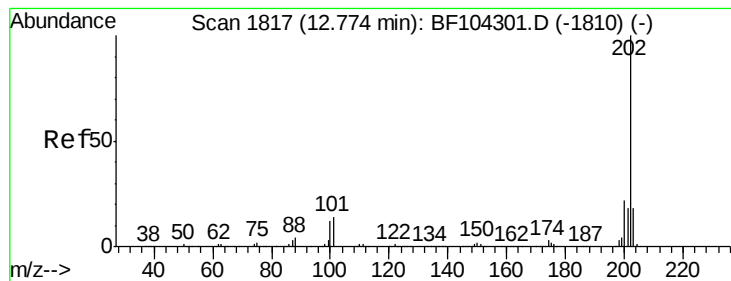


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.756 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

SB-03-01

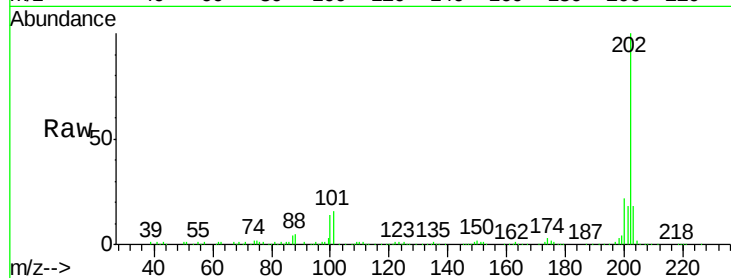
Tot Ion:202 Resp: 173381

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

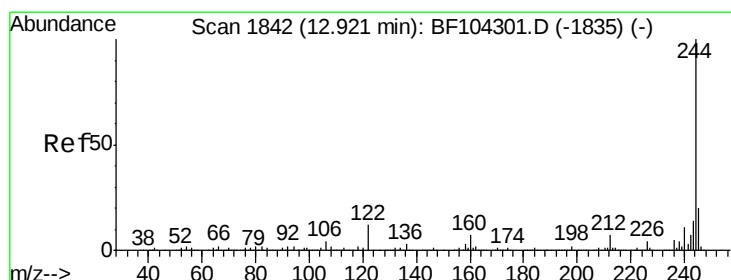
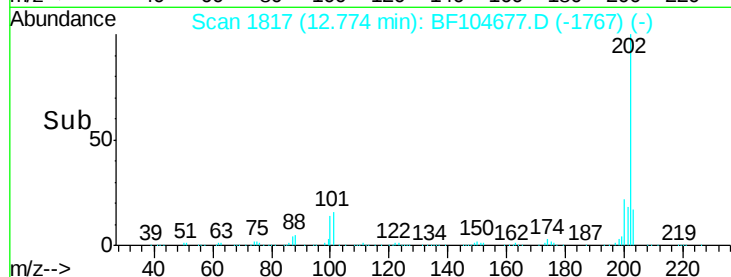
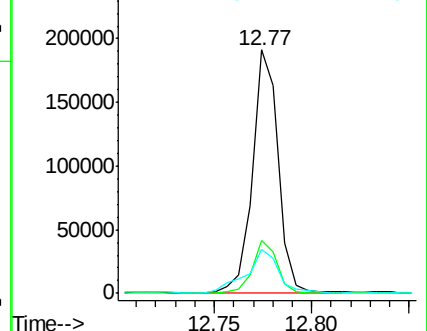
203 18.0 14.3 21.5



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: 62.515 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

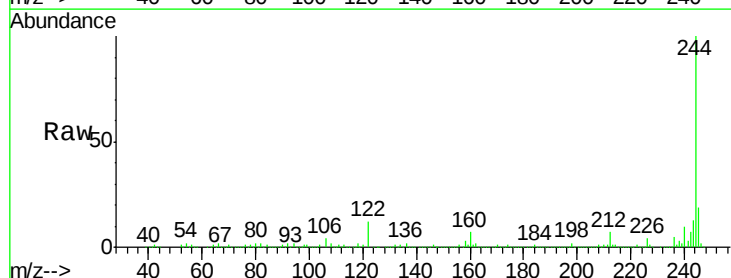
Tgt Ion:244 Resp: 657408

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

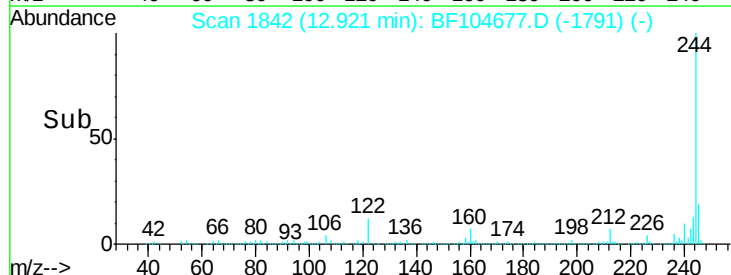
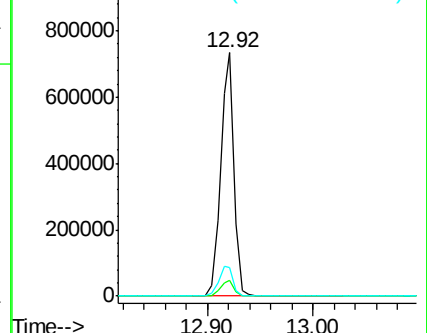
122 11.7 11.0 16.4

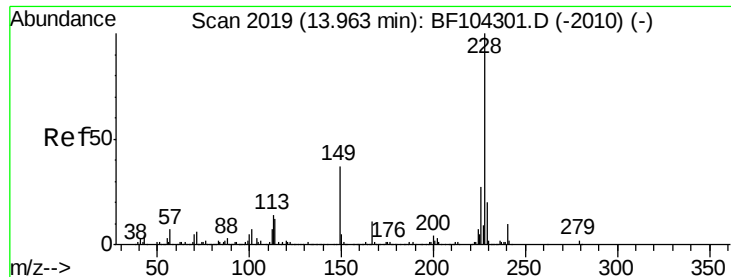


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

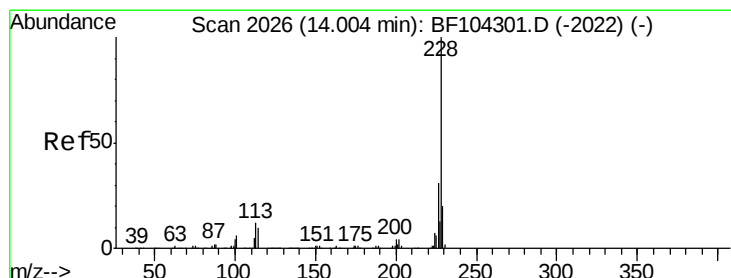
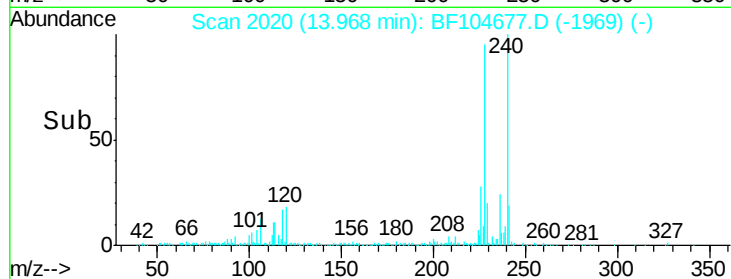
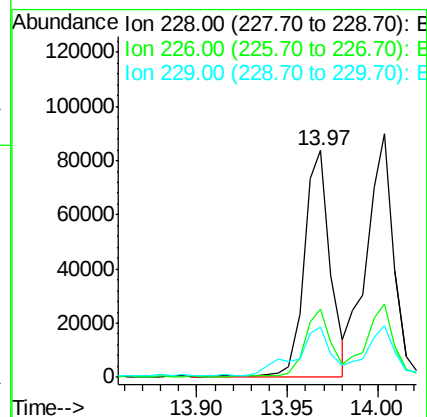
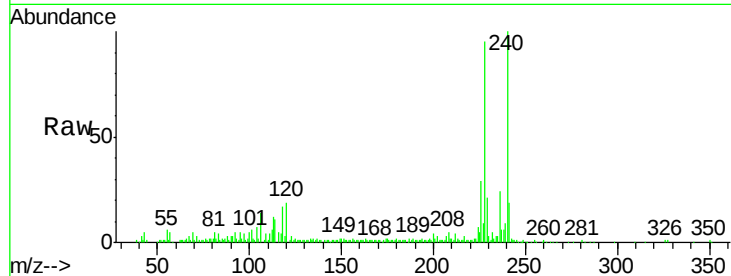




#80
Benzo(a)anthracene
Concen: 5.971 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

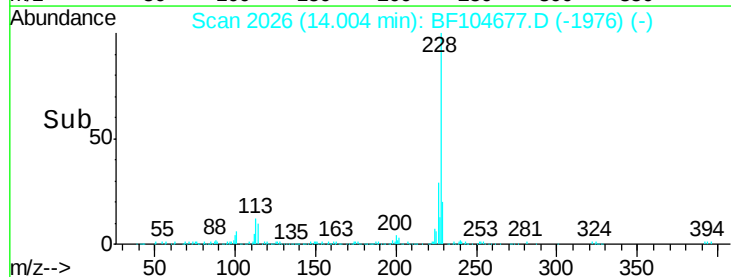
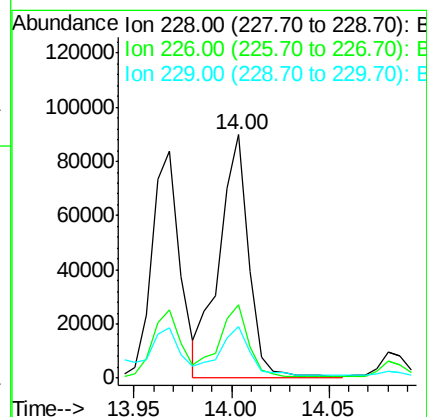
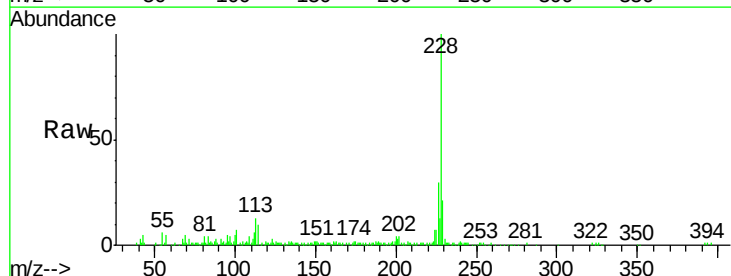
Instrument :
BNA_F
ClientSampleId :
SB-03-01

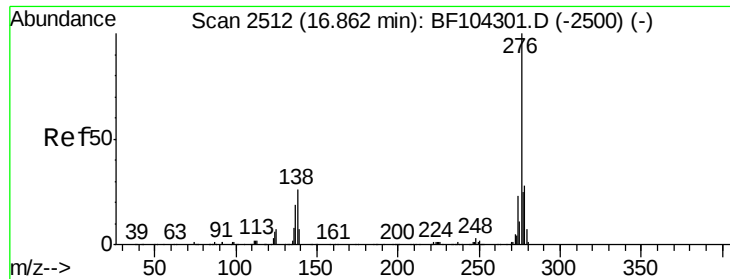
Tot Ion:228 Resp: 85514
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 6.434 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion:228 Resp: 94657
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.567 ng

RT: 16.90 min Scan# 2518

Delta R.T. 0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Instrument :

BNA_F

ClientSampleId :

SB-03-01

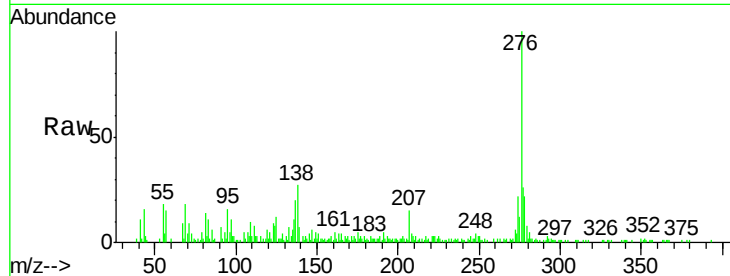
Tot Ion:276 Resp: 57076

Ion Ratio Lower Upper

276 100

138 26.2 25.0 37.6

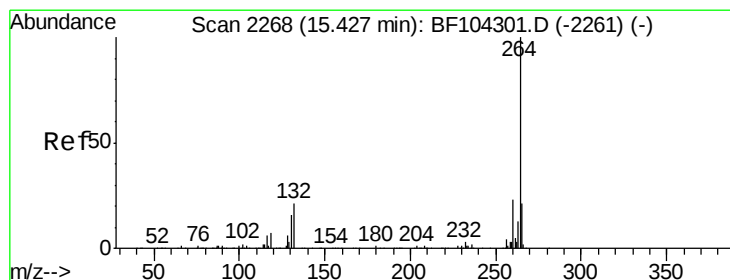
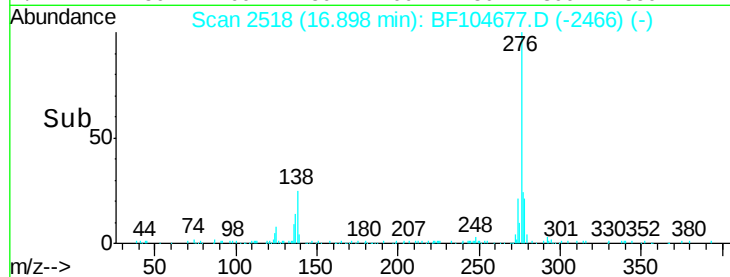
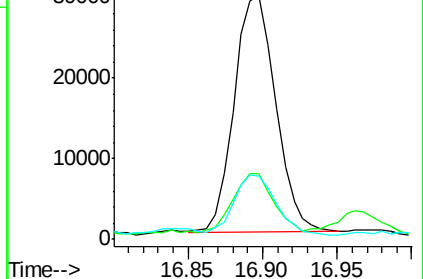
277 25.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

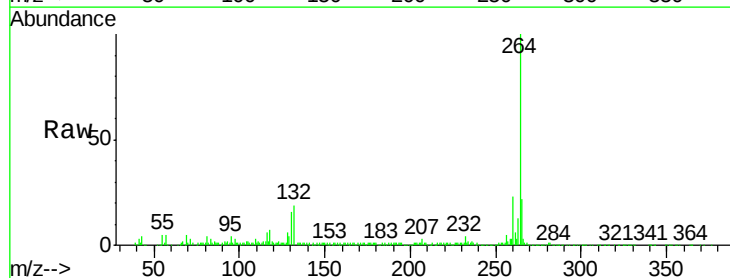
Tgt Ion:264 Resp: 189610

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

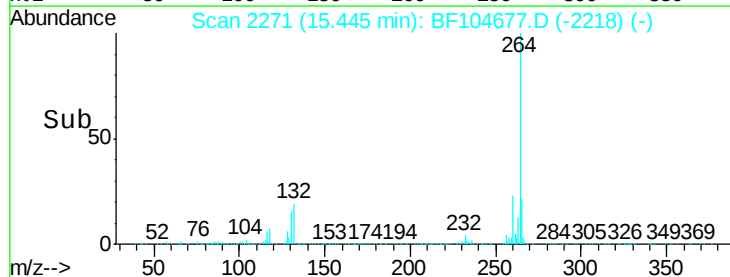
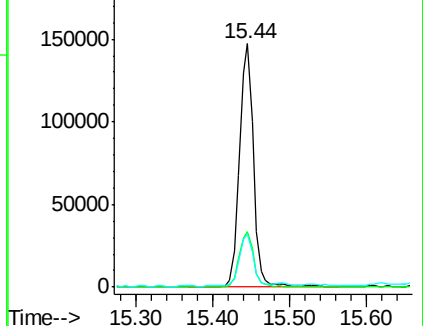
265 21.8 17.5 26.3

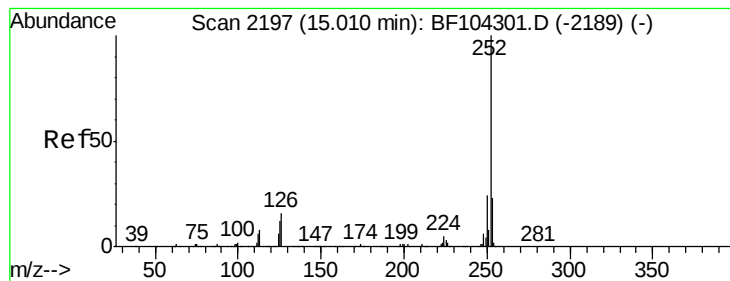


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.817 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

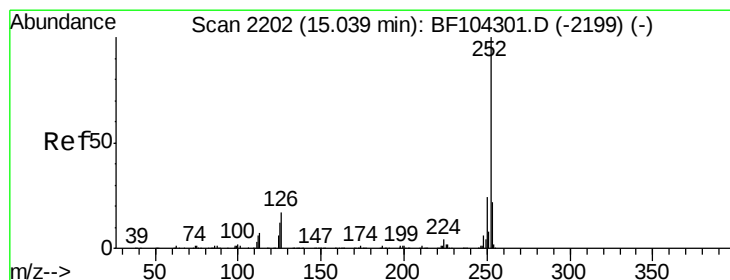
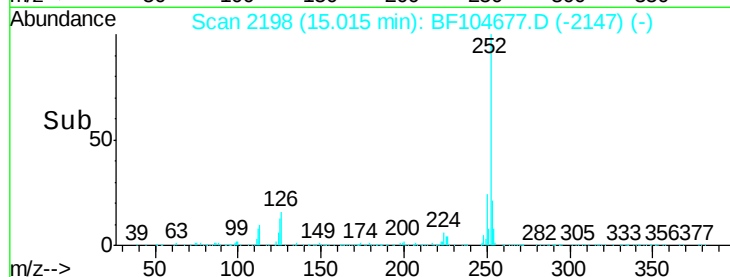
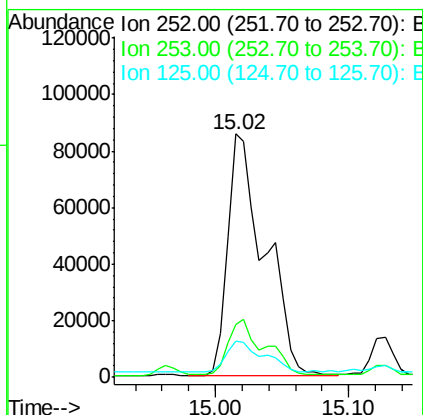
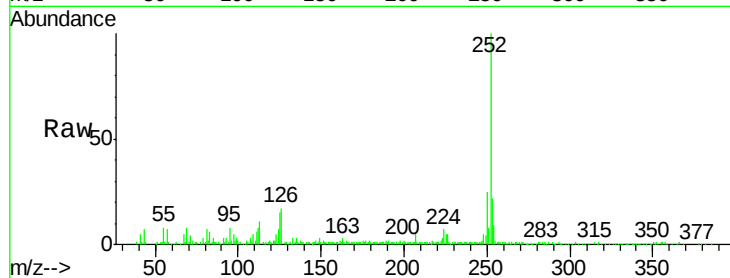
Instrument :

BNA_F

ClientSampled :

SB-03-01

Tot Ion:	252	Resp:	165469
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	15.0	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 14.636 ng

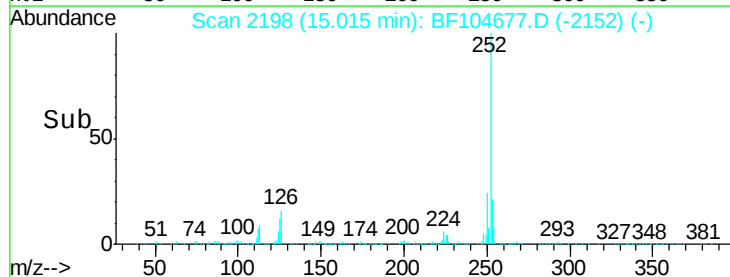
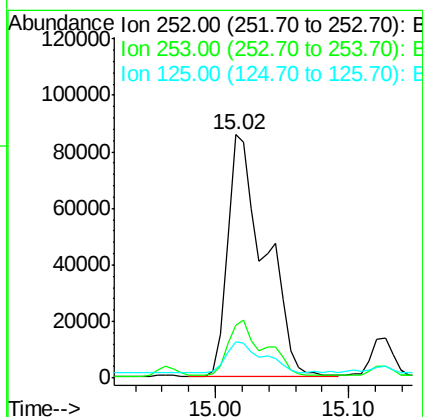
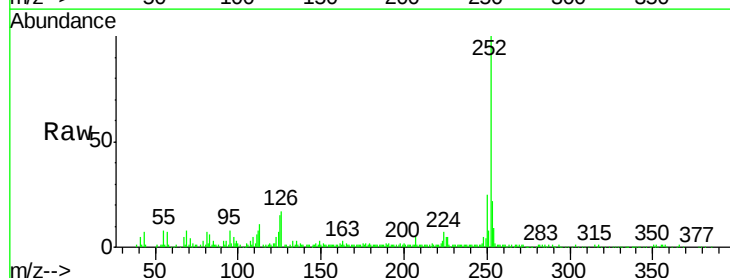
RT: 15.02 min Scan# 2198

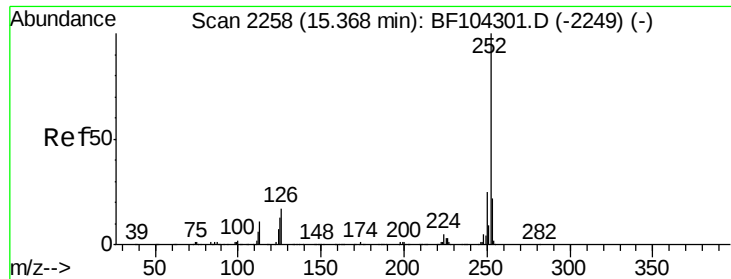
Delta R.T. -0.03 min

Lab File: BF104677.D

Acq: 20 Apr 2018 16:35

Tgt Ion:	252	Resp:	165469
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	15.0	10.2	15.2

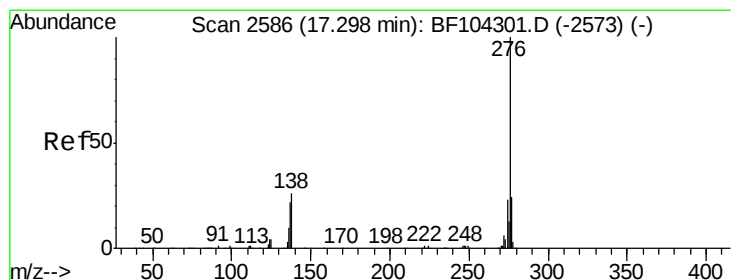
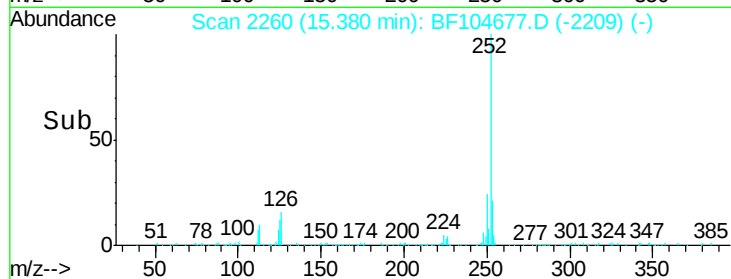
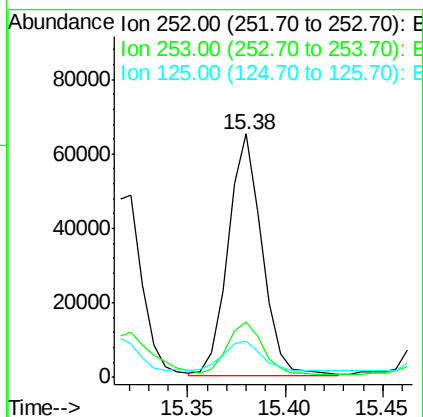
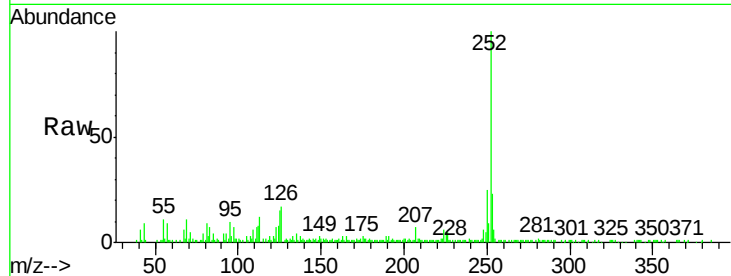




#89
Benzo(a)pyrene
Concen: 7.241 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Instrument :
BNA_F
ClientSampleId :
SB-03-01

Tot Ion:252 Resp: 77586
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 15.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.785 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF104677.D
Acq: 20 Apr 2018 16:35

Tgt Ion:276 Resp: 57847
Ion Ratio Lower Upper
276 100
277 24.2 17.9 26.9
138 26.9 21.8 32.8

