

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104078.D
 Acq On : 30 Mar 2018 4:25
 Operator : JU/SJ
 Sample : J2122-12 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:54:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

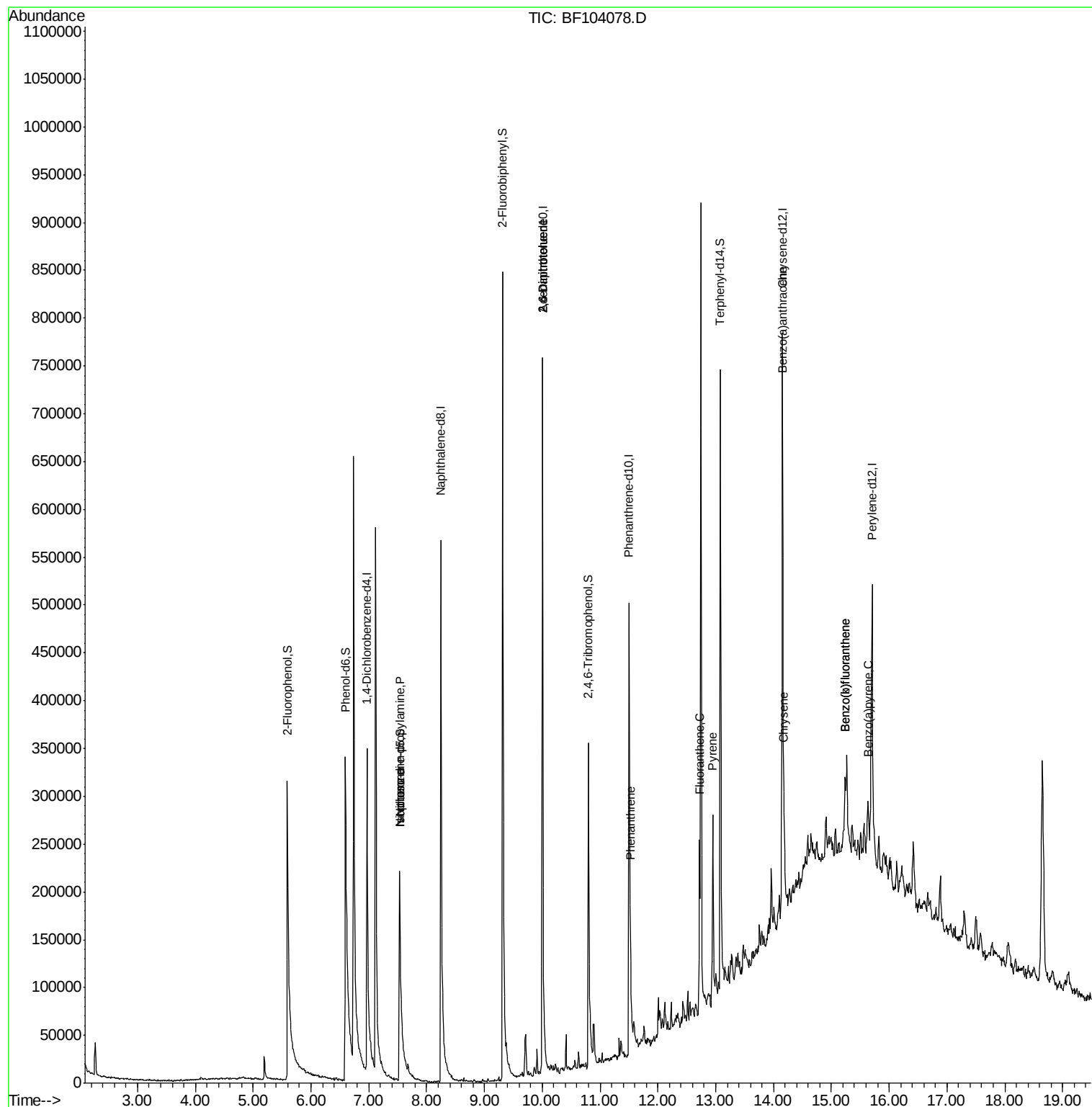
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	109912	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	454238	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	184891	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	269424	20.00	ng	0.00
75) Chrysene-d12	14.16	240	240854	20.00	ng	0.00
86) Perylene-d12	15.70	264	189042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	269440	39.09	ng	0.00
7) Phenol-d6	6.60	99	374483	44.16	ng	0.00
23) Nitrobenzene-d5	7.53	82	220156	29.64	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	69752	33.88	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	384588	32.80	ng	0.00
78) Terphenyl-d14	13.08	244	270551	25.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.61	77	367	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.53	70	24615	4.892	ng	# 71
25) Isophorone	7.53	82	220156	16.083	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	23861	7.598	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	24014	5.992	ng	# 21
70) Phenanthrene	11.53	178	42881	2.940	ng	98
74) Fluoranthene	12.72	202	102930	6.638	ng	96
77) Pyrene	12.95	202	101273	5.849	ng	99
80) Benzo(a)anthracene	14.14	228	51329	3.406	ng	97
82) Chrysene	14.18	228	41002	2.778	ng	94
87) Benzo(b)fluoranthene	15.24	252	64805	5.633	ng	# 85
88) Benzo(k)fluoranthene	15.24	252	64805	5.980	ng	# 88
89) Benzo(a)pyrene	15.64	252	31057	2.913	ng	# 86

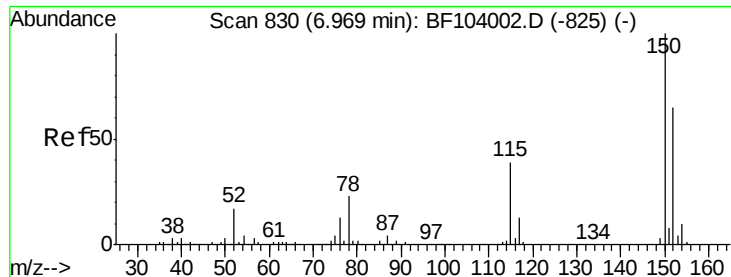
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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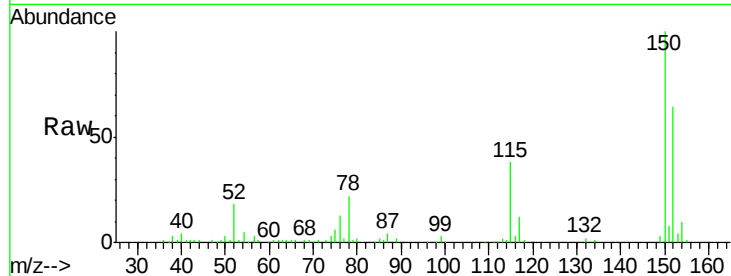


#1

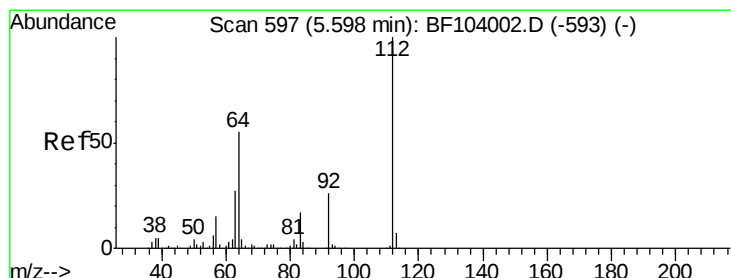
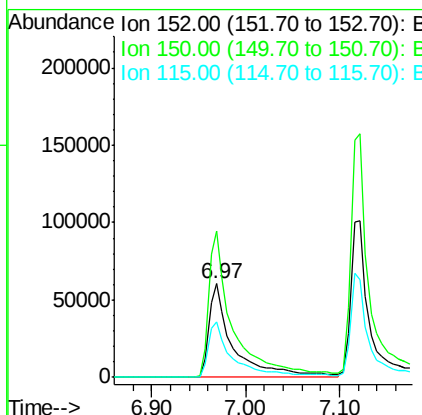
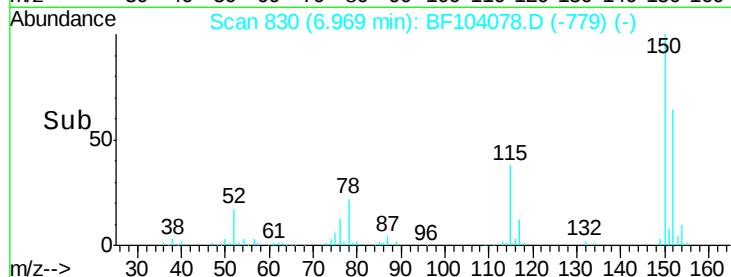
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.9	50.1	75.1



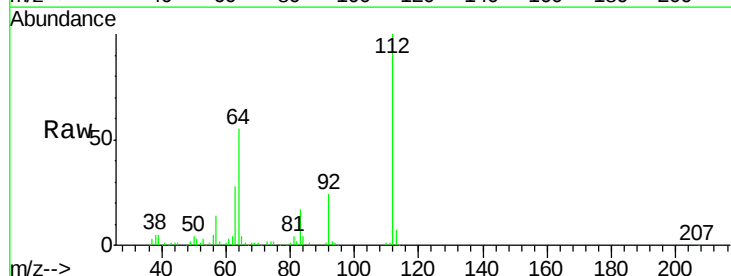
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



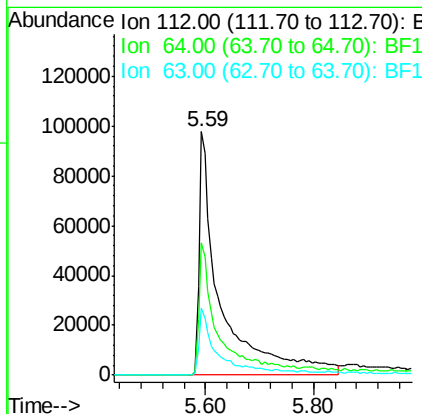
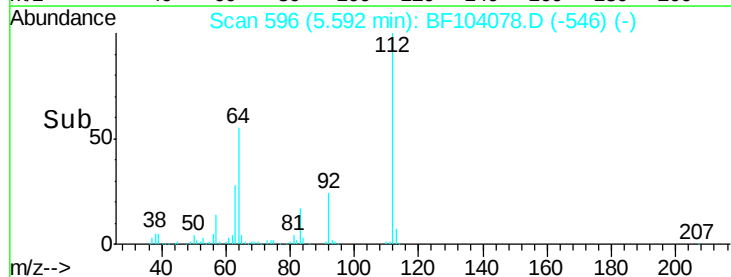
#5

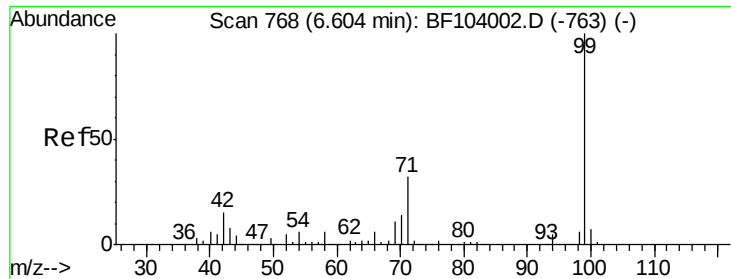
2-Fluorophenol
Concen: 39.094 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.7	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: 44.164 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104078.D

Acq: 30 Mar 2018 4:25

Instrument :

BNA_F

ClientSampleId :

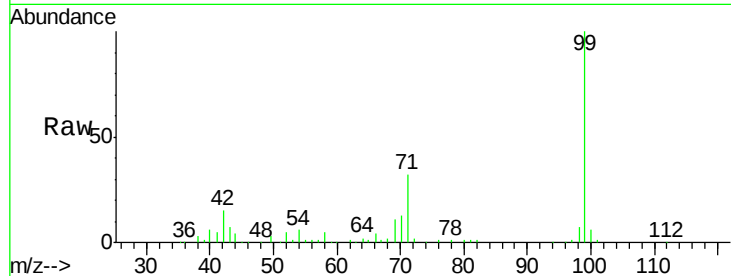
Tot Ion: 99 Resp: 374483

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

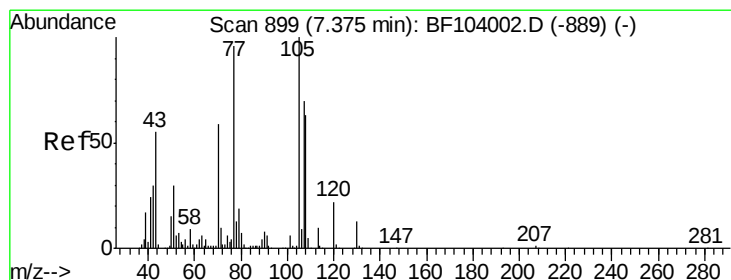
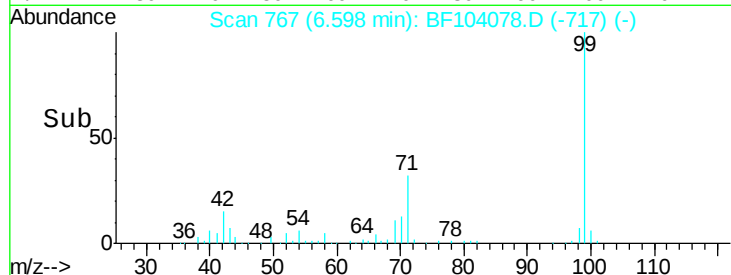
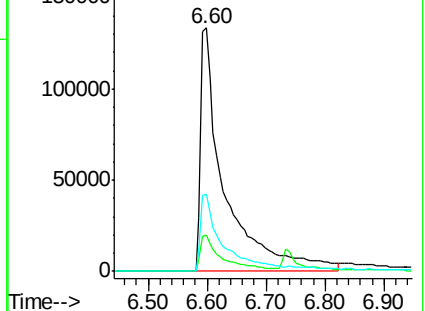
71 31.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.892 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104078.D

Acq: 30 Mar 2018 4:25

Tgt Ion: 70 Resp: 24615

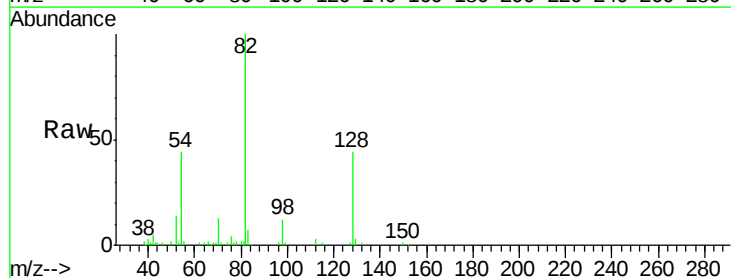
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

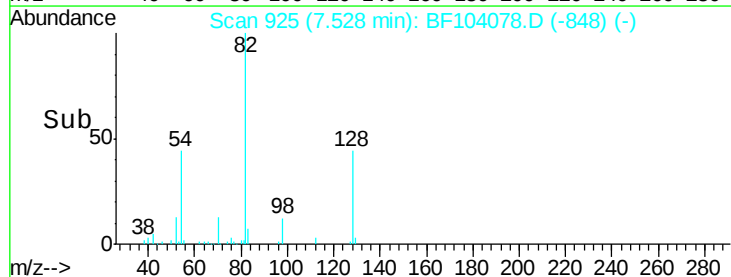
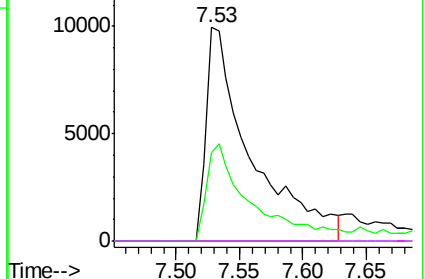


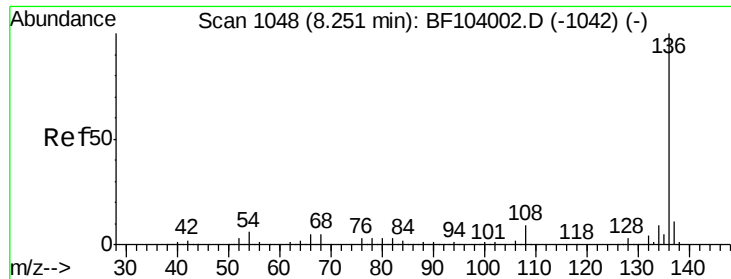
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

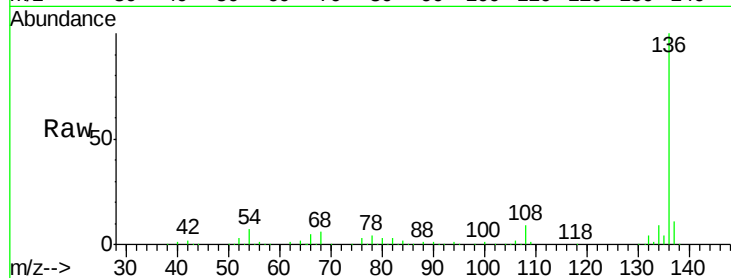




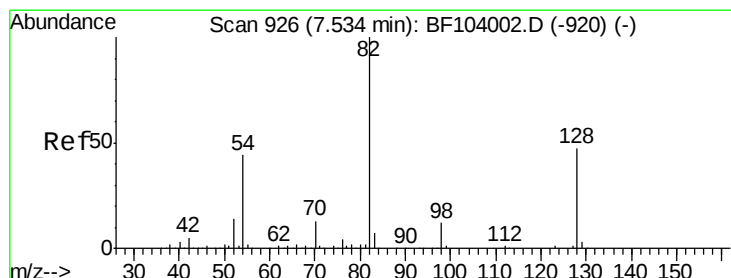
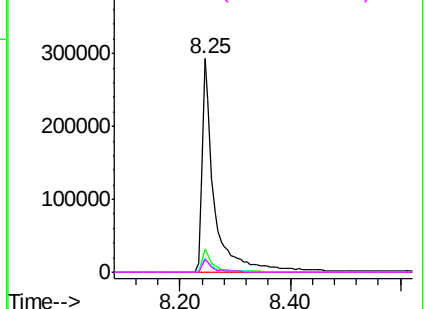
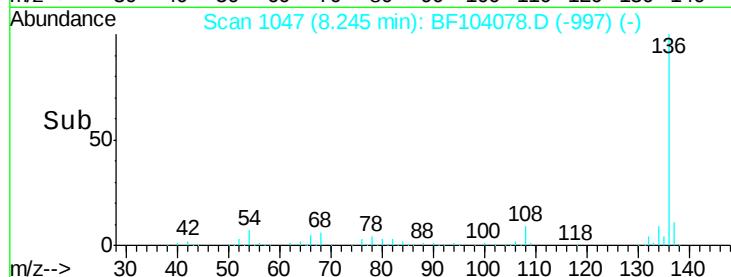
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	454238
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.9	6.6 9.8
68	5.9	5.0 7.4

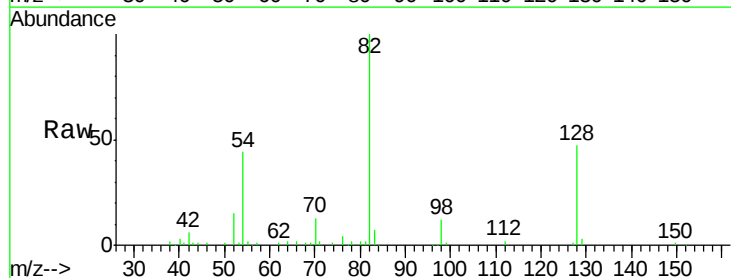


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

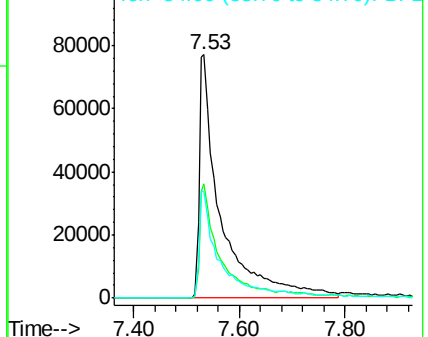
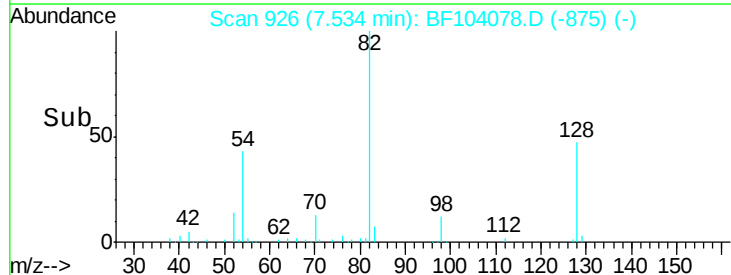


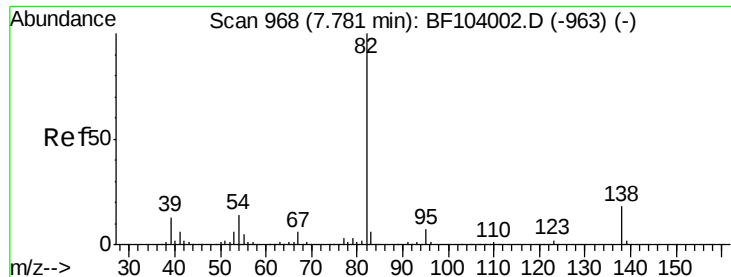
#23
Nitrobenzene-d5
Concen: 29.640 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion: 82	Resp:	220156
Ion Ratio	Lower	Upper
82	100	
128	47.0	36.1 54.1
54	43.9	41.4 62.2



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





#25

Isophorone

Concen: 16.083 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104078.D

Acq: 30 Mar 2018 4:25

Instrument :

BNA_F

ClientSampled :

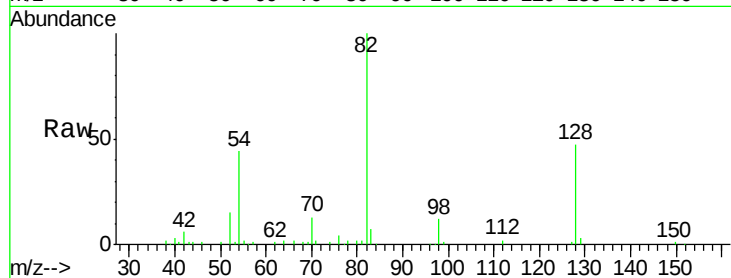
Tot Ion: 82 Resp: 220156

Ion Ratio Lower Upper

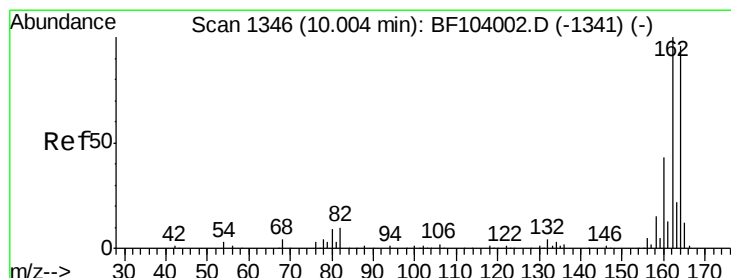
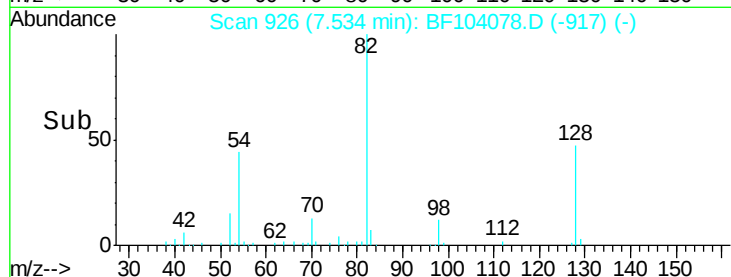
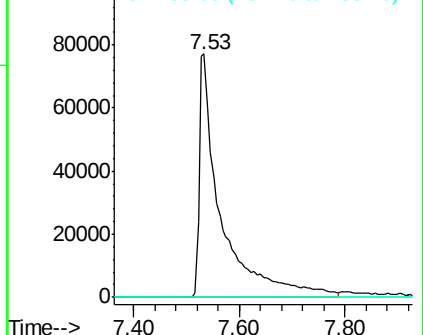
82 100

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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104078.D

Acq: 30 Mar 2018 4:25

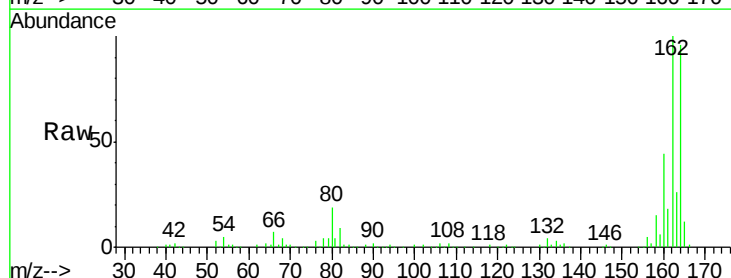
Tgt Ion:164 Resp: 184891

Ion Ratio Lower Upper

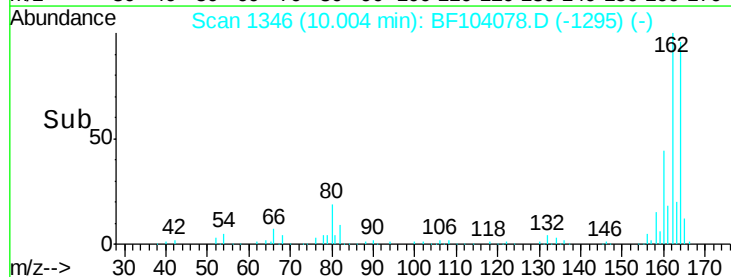
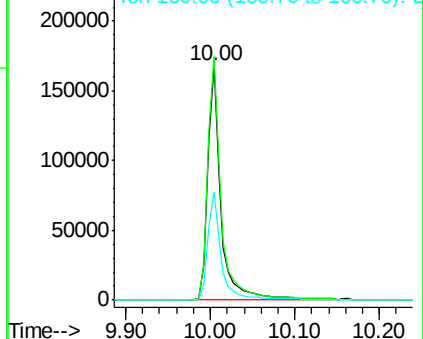
164 100

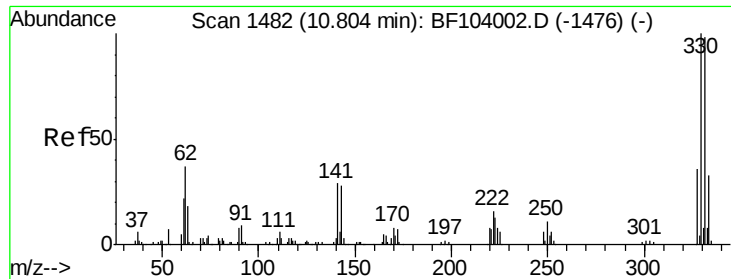
162 103.9 86.1 129.1

160 45.9 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

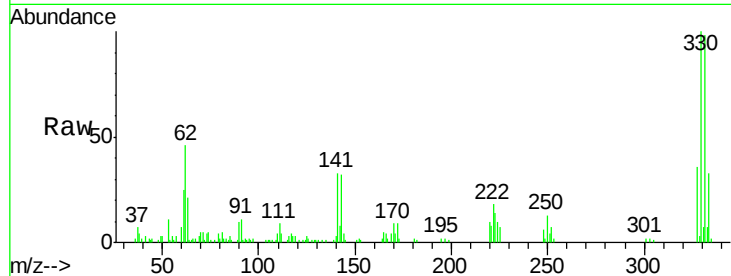




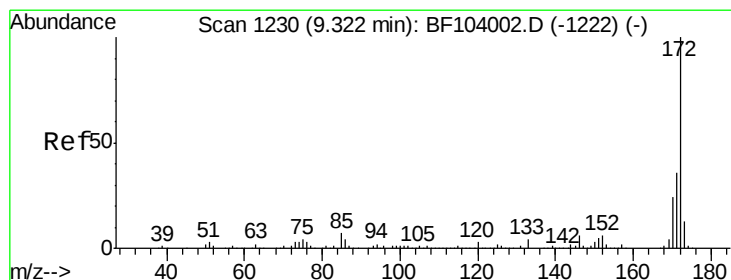
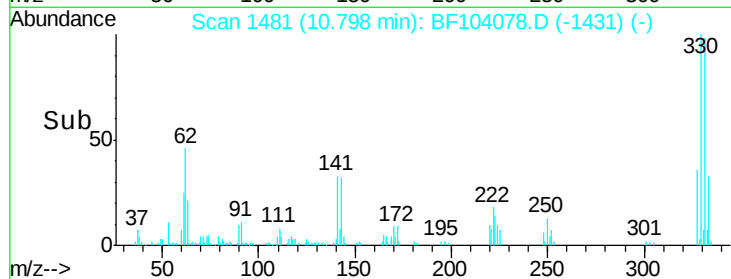
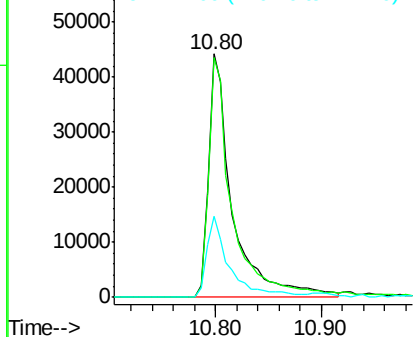
#41
 2,4,6-Tribromophenol
 Concen: 33.881 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104078.D
 Acq: 30 Mar 2018 4:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 69752
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.0 115.6
 141 31.3 29.9 44.9

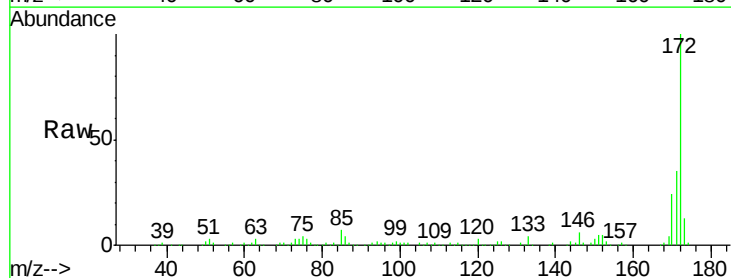


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

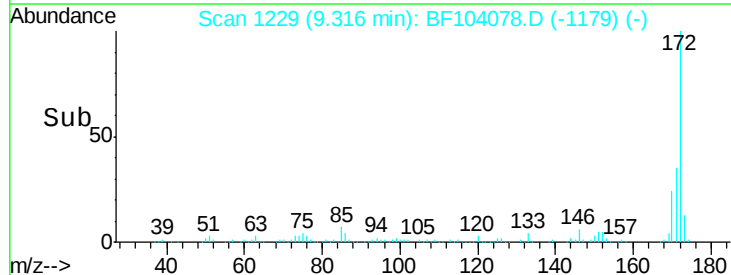
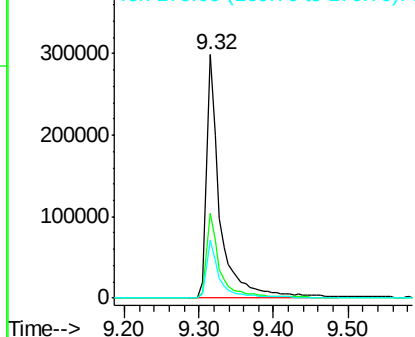


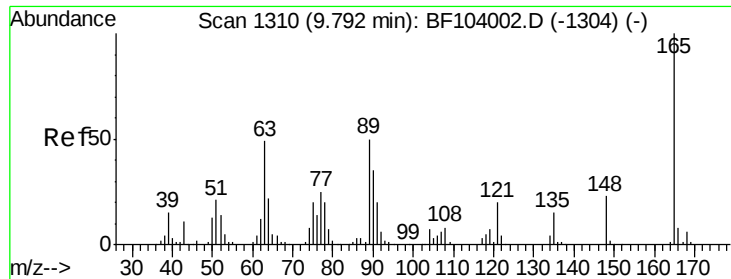
#44
 2-Fluorobiphenyl
 Concen: 32.801 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104078.D
 Acq: 30 Mar 2018 4:25

Tgt Ion:172 Resp: 384588
 Ion Ratio Lower Upper
 172 100
 171 35.0 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

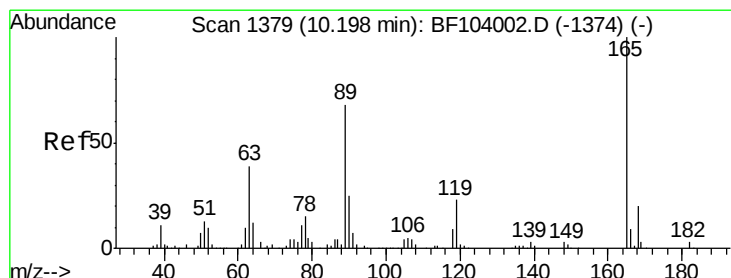
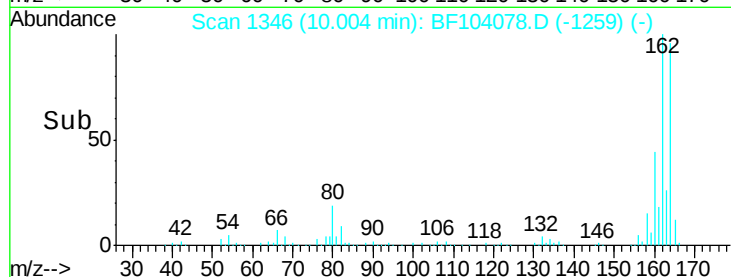
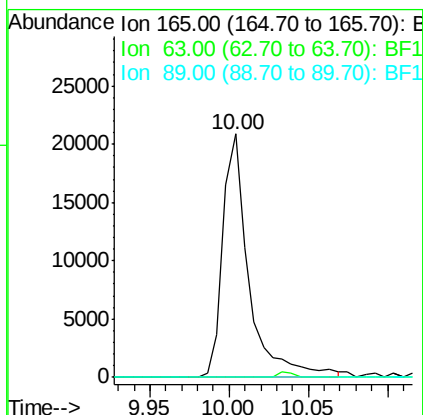
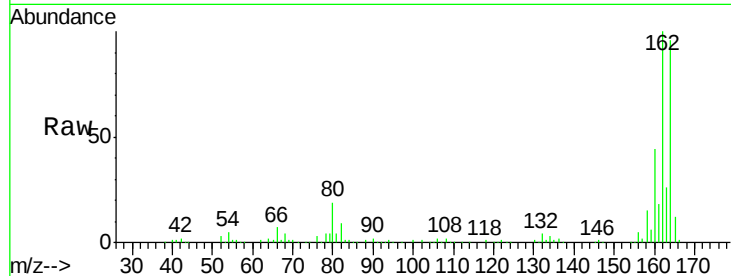




#50
 2,6-Dinitrotoluene
 Concen: 7.598 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104078.D
 Acq: 30 Mar 2018 4:25

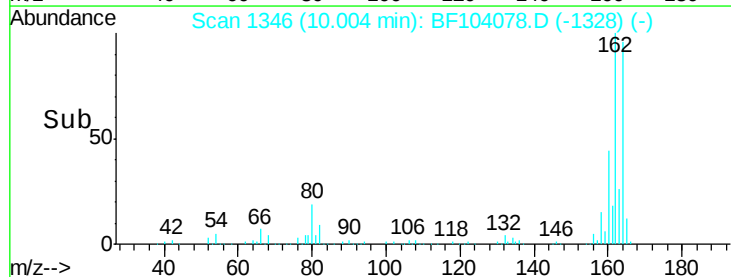
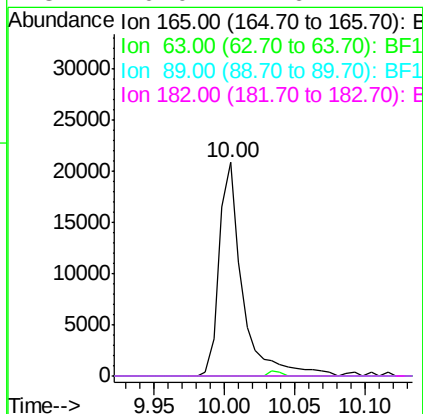
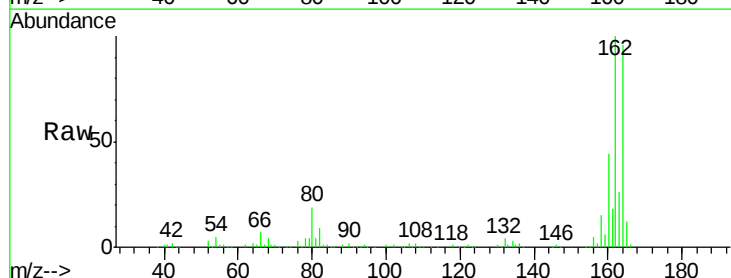
Instrument :
 BNA_F
 ClientSampled :

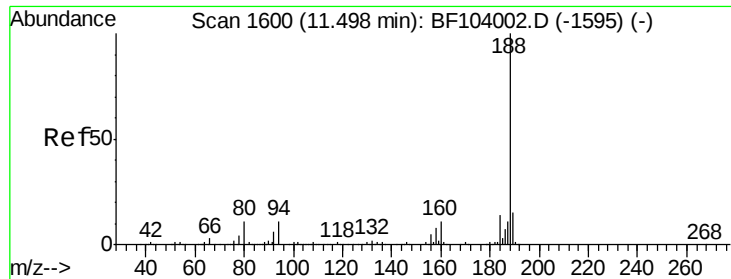
Tot Ion:165 Resp: 23861
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.992 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.19 min
 Lab File: BF104078.D
 Acq: 30 Mar 2018 4:25

Tgt Ion:165 Resp: 24014
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

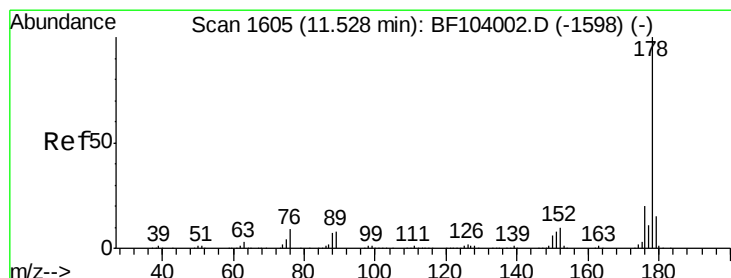
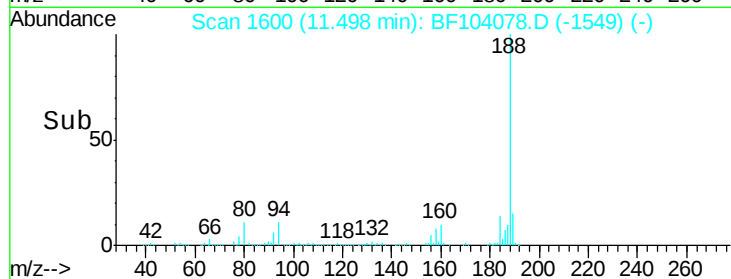
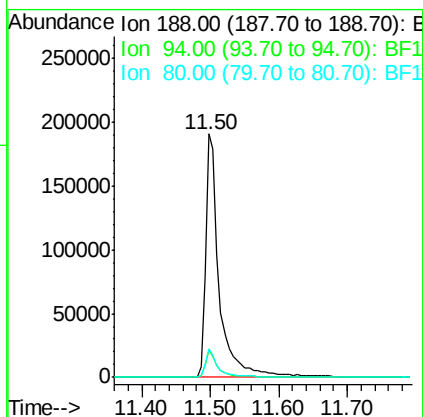
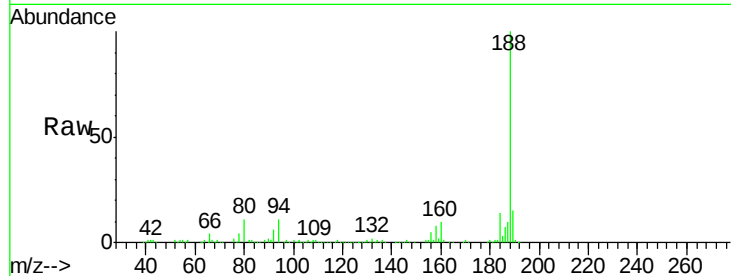




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

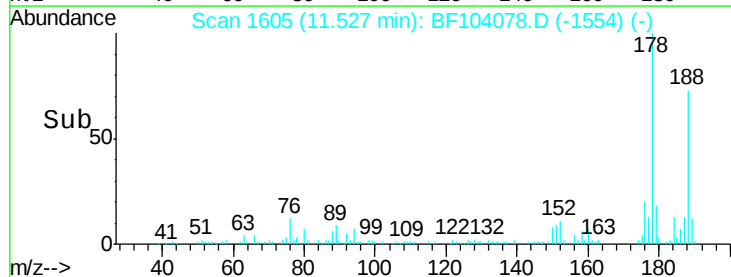
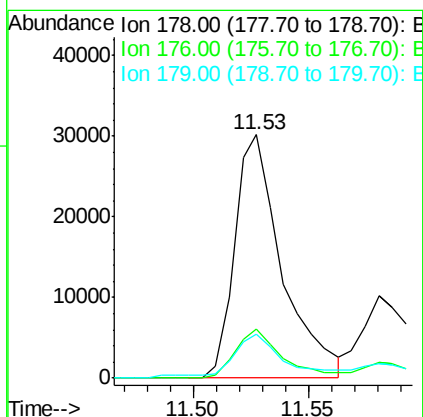
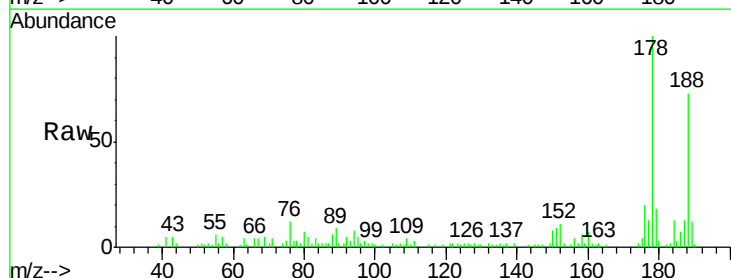
Instrument :
BNA_F
ClientSampled :

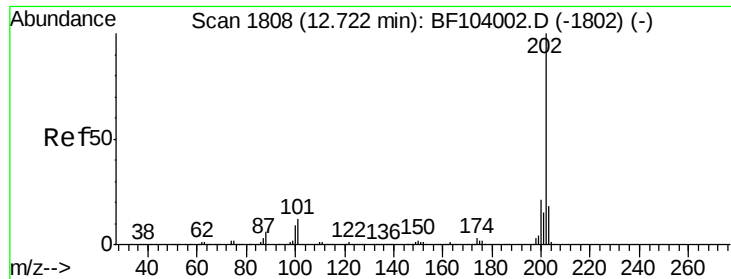
Tot Ion:188 Resp: 269424
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 2.940 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion:178 Resp: 42881
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 18.0 13.0 19.6





#74

Fluoranthene

Concen: 6.638 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104078.D

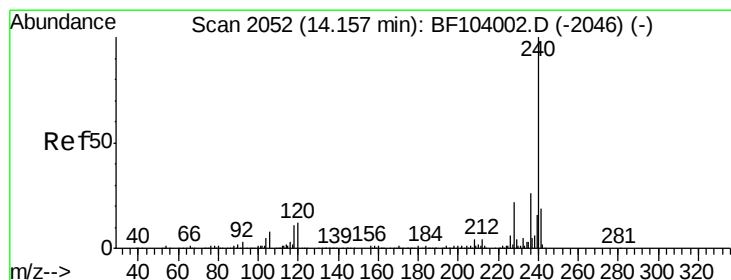
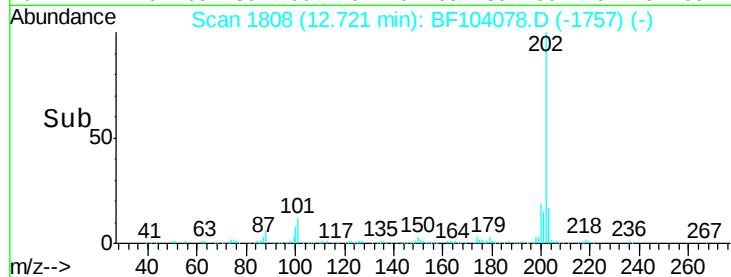
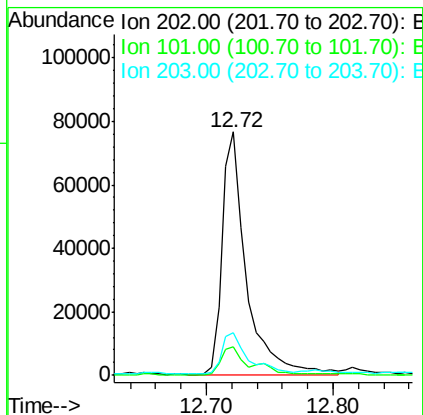
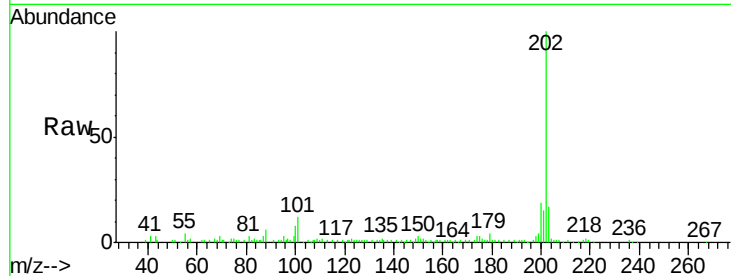
Acq: 30 Mar 2018 4:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	102930
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

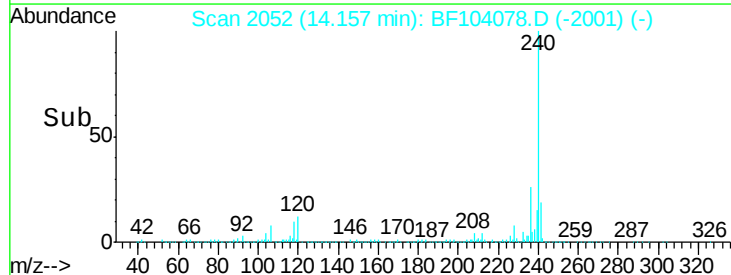
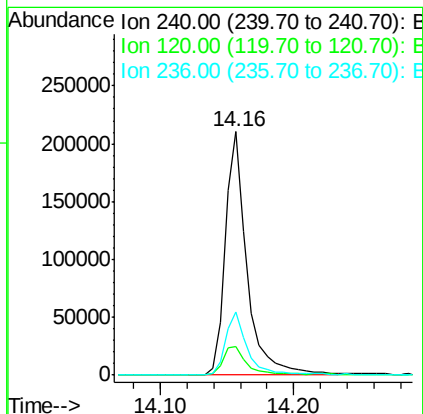
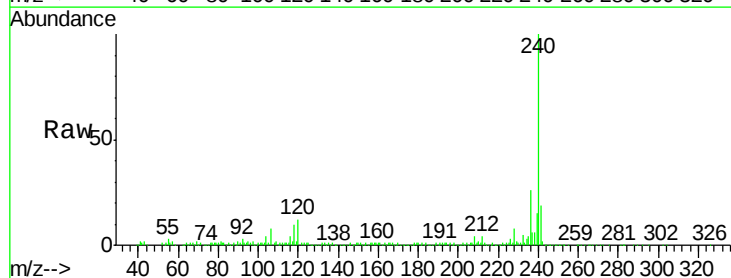
RT: 14.16 min Scan# 2052

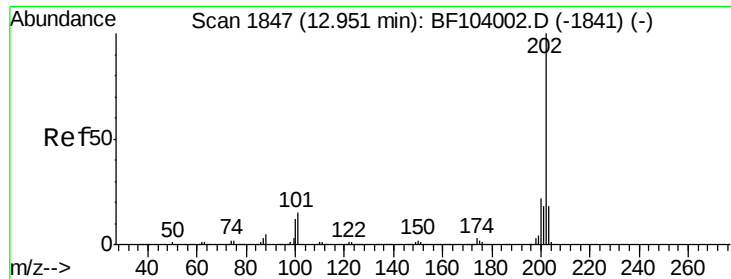
Delta R.T. -0.00 min

Lab File: BF104078.D

Acq: 30 Mar 2018 4:25

Tgt Ion:	240	Resp:	240854
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	25.8	20.7	31.1

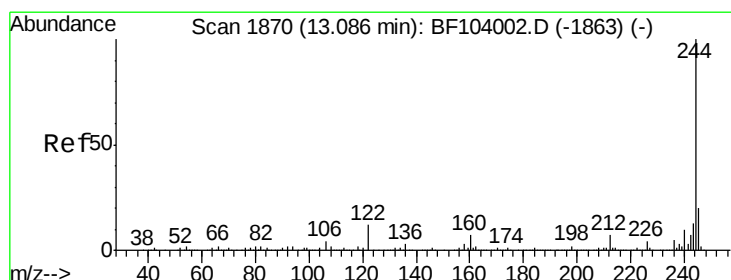
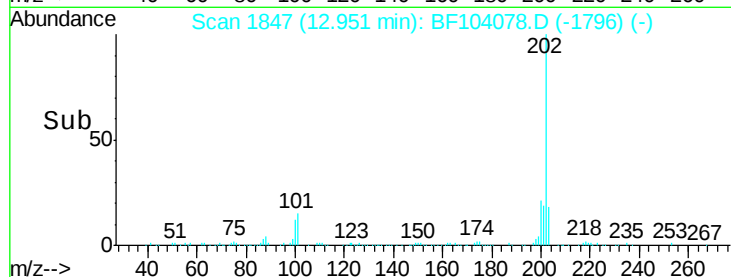
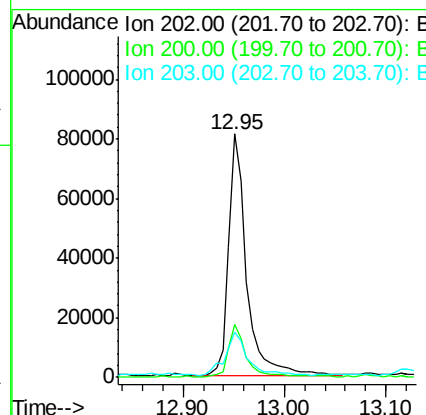
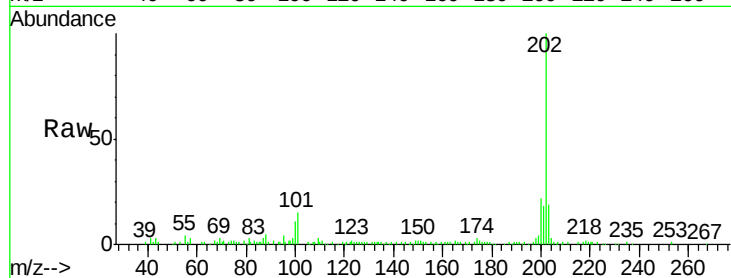




#77
Pvrene
Concen: 5.849 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

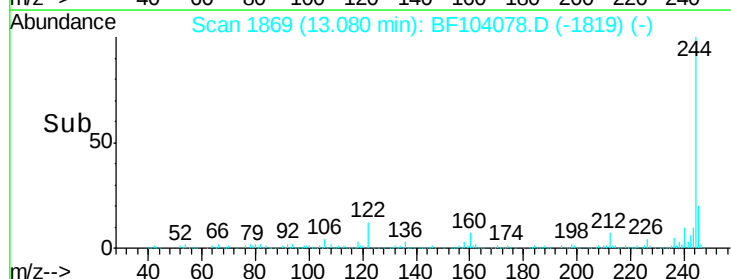
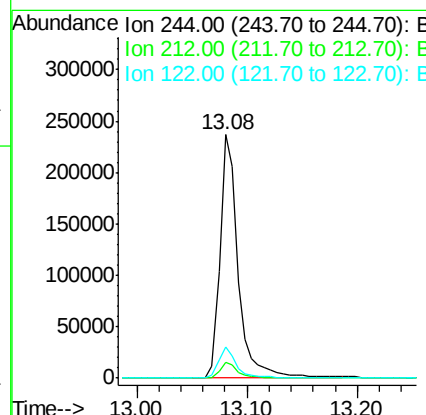
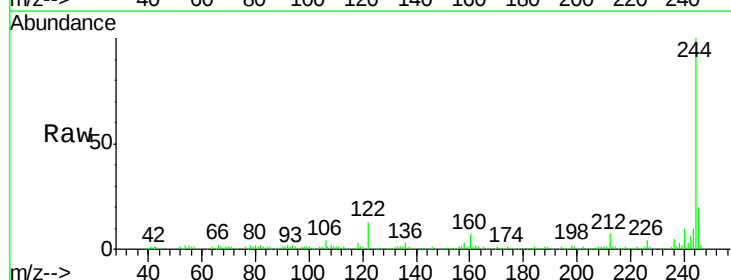
Instrument :
BNA_F
ClientSampleId :

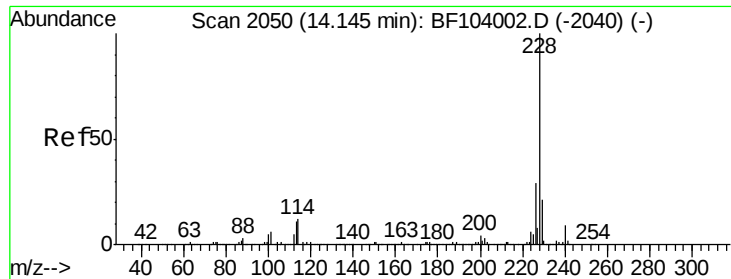
Tot Ion:202 Resp: 101273
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 25.936 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion:244 Resp: 270551
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 12.5 11.0 16.4

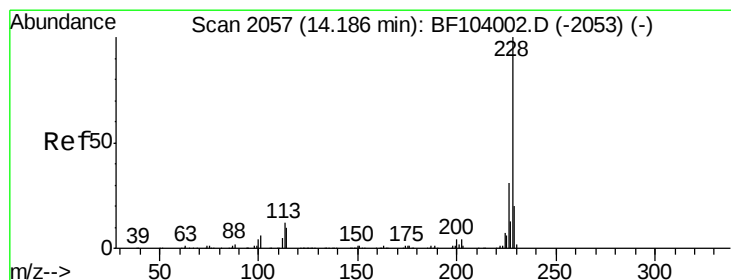
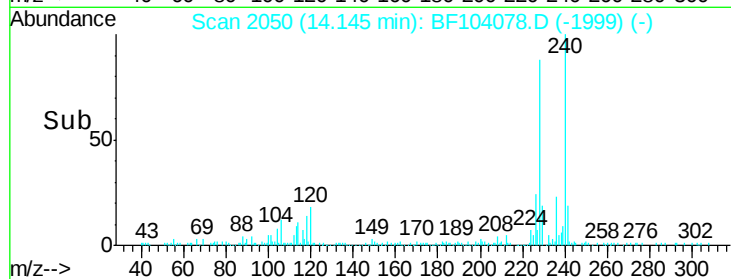
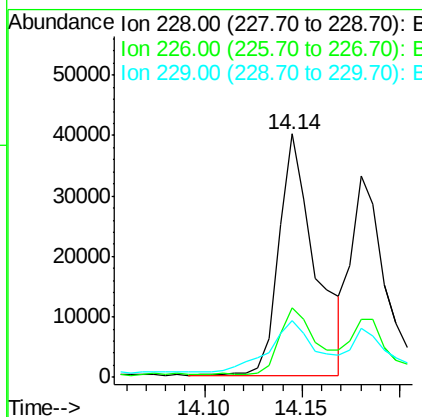
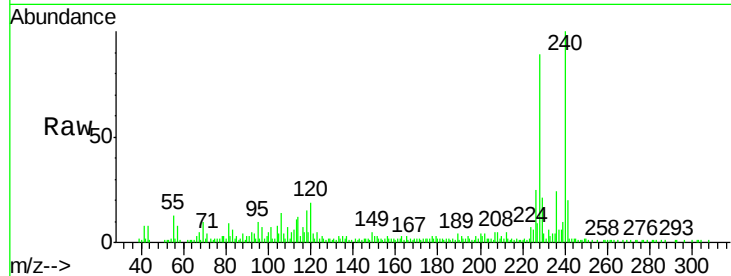




#80
Benzo(a)anthracene
Concen: 3.406 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

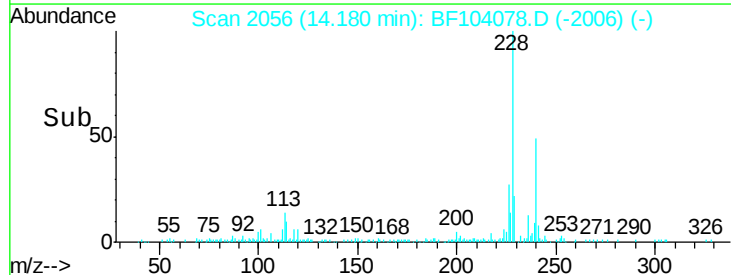
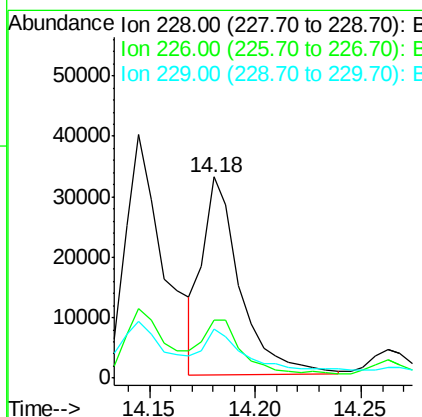
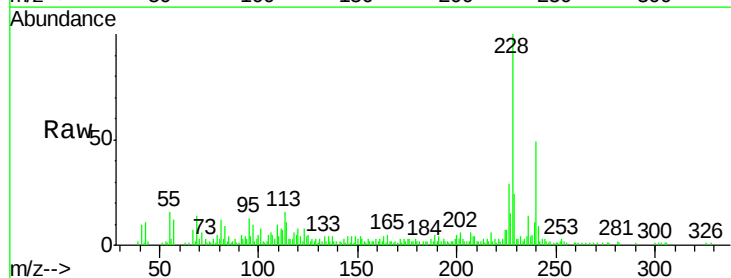
Instrument :
BNA_F
ClientSampled :

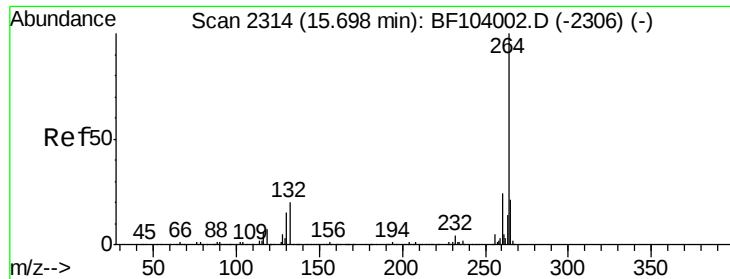
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	23.1	15.8	23.6



#82
Chrysene
Concen: 2.778 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	24.2	16.2	24.4



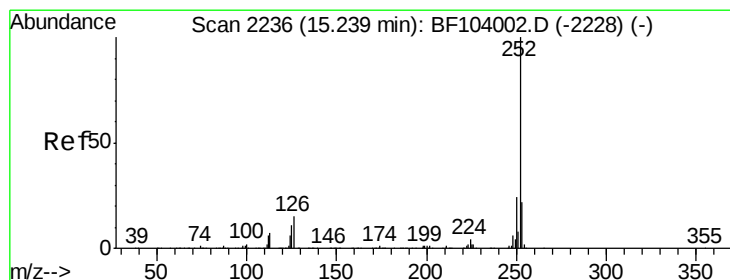
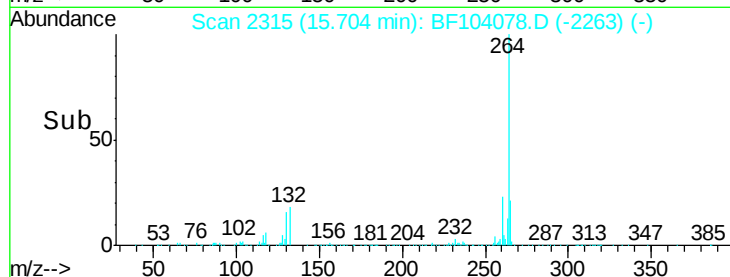
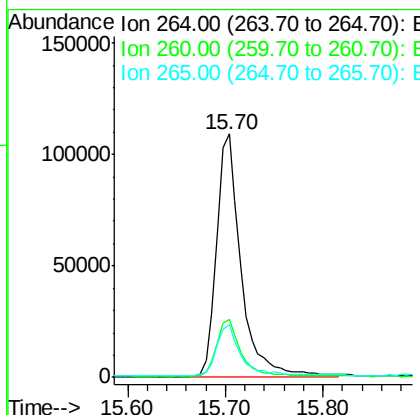
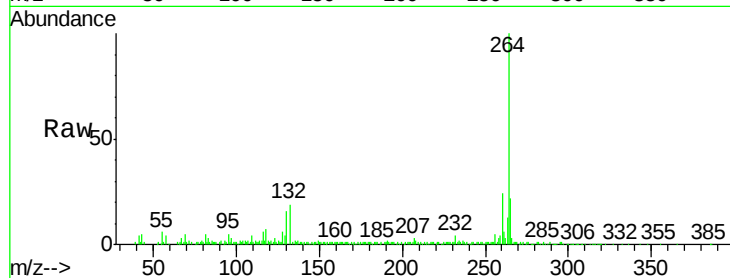


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 189042

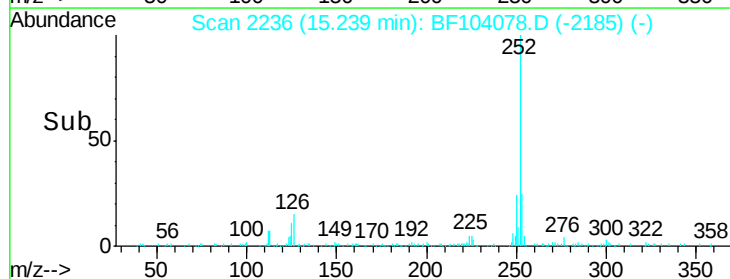
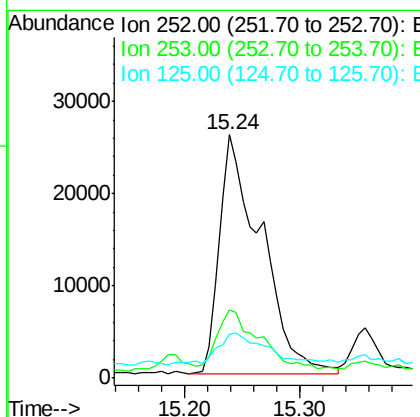
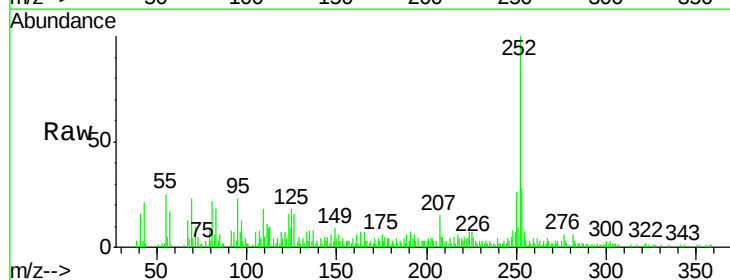
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3

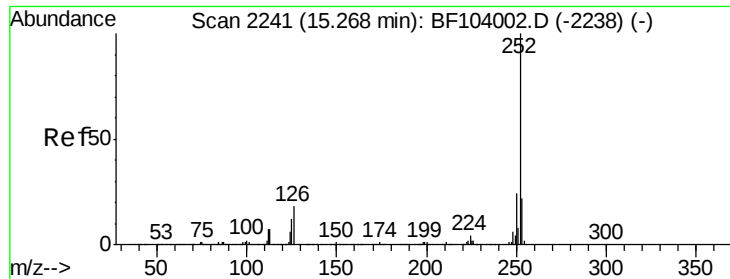


#87
Benzo(b)fluoranthene
Concen: 5.633 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion:252 Resp: 64805

Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.0	25.6#
125	17.9	9.0	13.6#

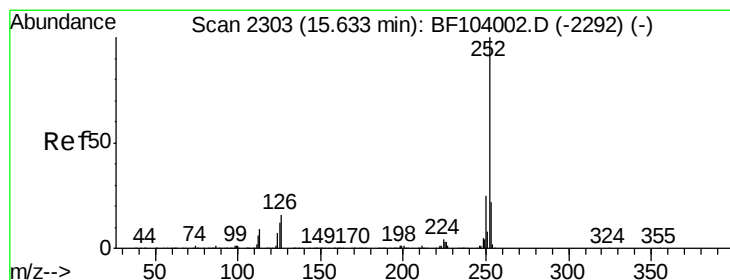
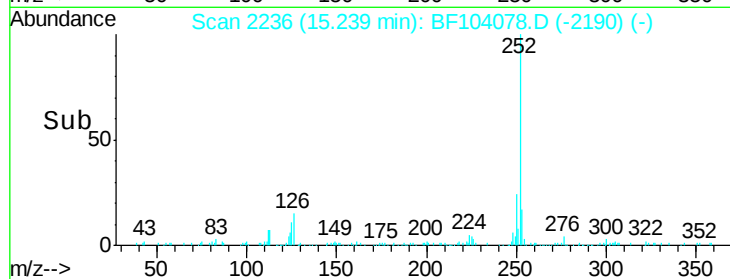
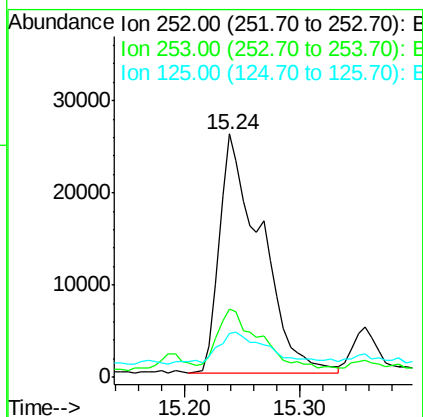
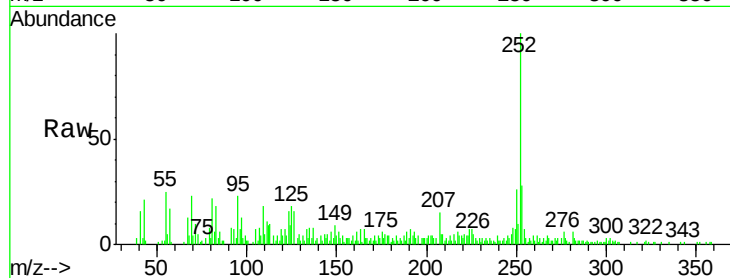




#88
Benzo(k)fluoranthene
Concen: 5.980 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.9	26.9#
125	17.9	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.913 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104078.D
Acq: 30 Mar 2018 4:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	21.2	9.8	14.6#

