

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
 Data File : BF110766.D
 Acq On : 14 Nov 2018 16:06
 Operator : JU/SJ
 Sample : J5933-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 17:33:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	76083	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	323945	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	156598	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	285145	20.00	ng	0.00
76) Chrysene-d12	14.13	240	163372	20.00	ng	-0.01
87) Perylene-d12	15.66	264	155809	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	396154	84.58	ng	0.00
7) Phenol-d6	6.57	99	517209	86.35	ng	0.00
23) Nitrobenzene-d5	7.51	82	325933	57.94	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	120247	76.21	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	652891	59.54	ng	0.00
79) Terphenyl-d14	13.06	244	564170	64.67	ng	0.00

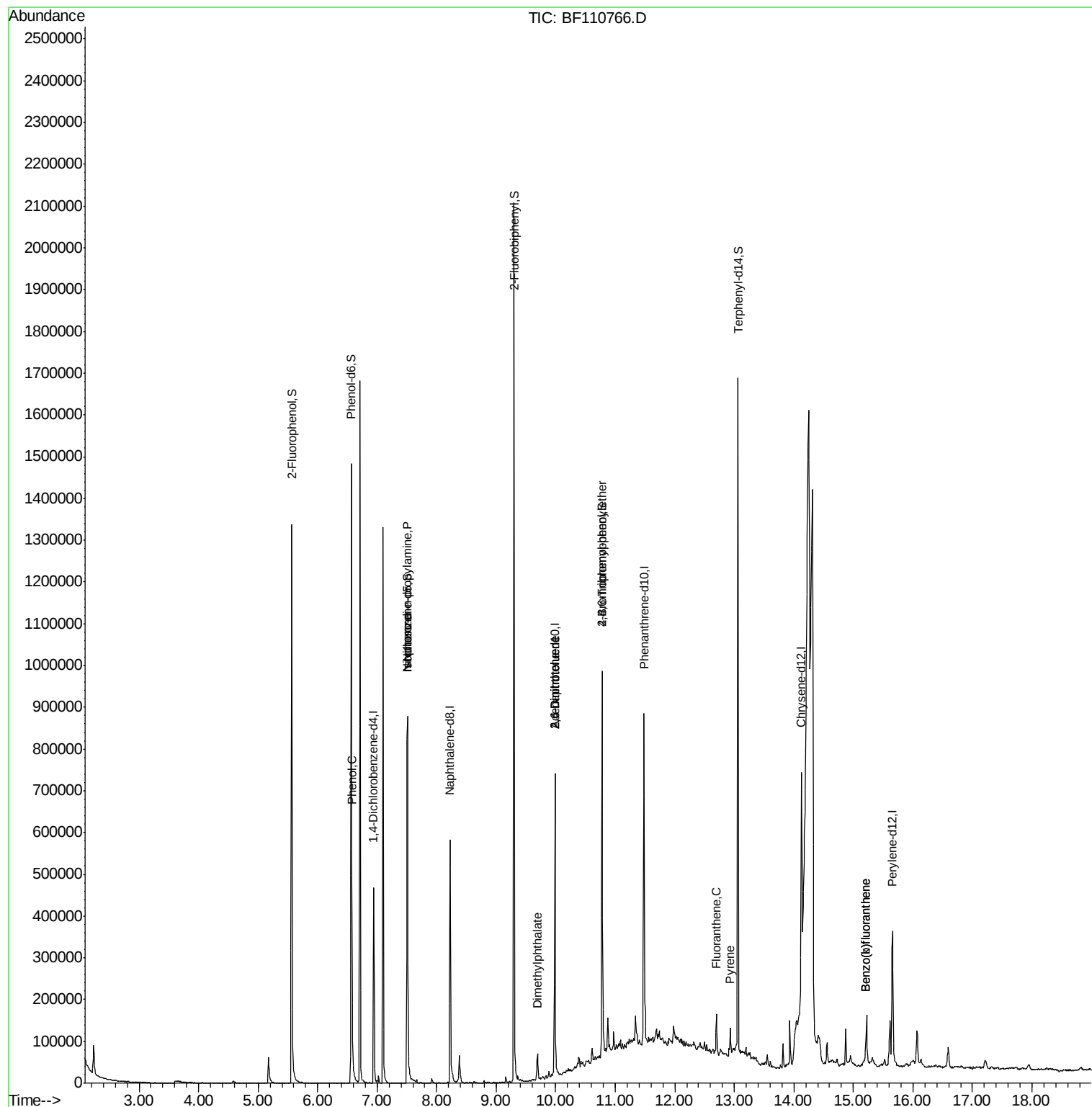
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	733	Below Cal		# 1
10) Phenol	6.58	94	20136	2.899	ng	# 71
19) n-Nitroso-di-n-propylamine	7.51	70	43822	11.461	ng	# 77
25) Isophorone	7.51	82	325933	35.352	ng	# 67
50) Dimethylphthalate	9.69	163	29462	2.521	ng	97
51) 2,6-Dinitrotoluene	9.99	165	20255	7.880	ng	# 23
57) 2,4-Dinitrotoluene	9.99	165	20255	6.060	ng	# 20
67) 4-Bromophenyl-phenylether	10.78	248	7811	2.479	ng	# 1
75) Fluoranthene	12.70	202	35752	2.334	ng	98
78) Pyrene	12.93	202	28354	2.254	ng	98
88) Benzo(b)fluoranthene	15.20	252	21857	2.345	ng	# 76
89) Benzo(k)fluoranthene	15.20	252	21857	2.373	ng	# 75

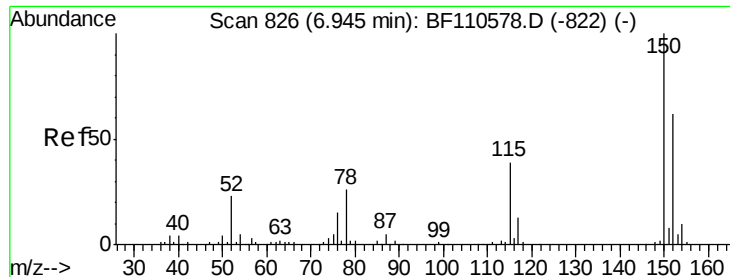
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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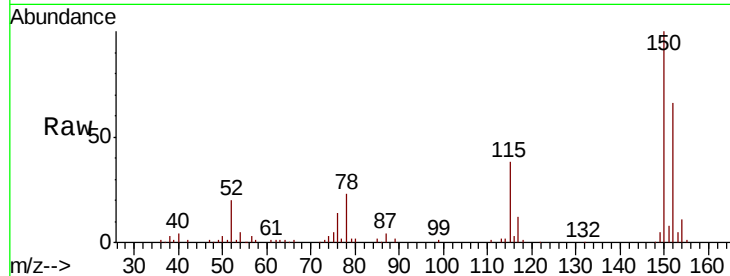


#1

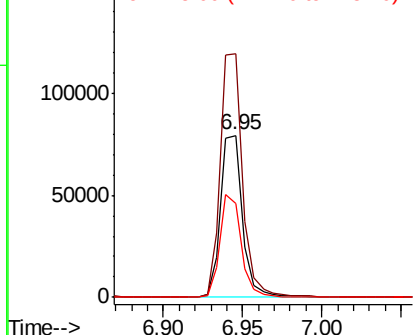
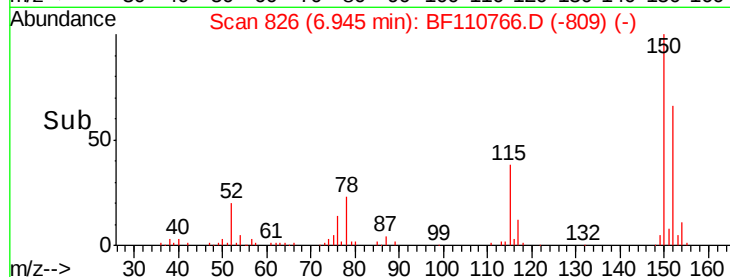
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110766.D
Acq: 14 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76083
Ion Ratio Lower Upper
152 100
150 150.5 122.7 184.1
115 57.9 49.1 73.7



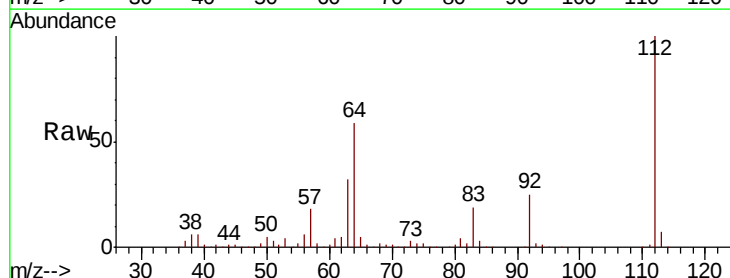
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



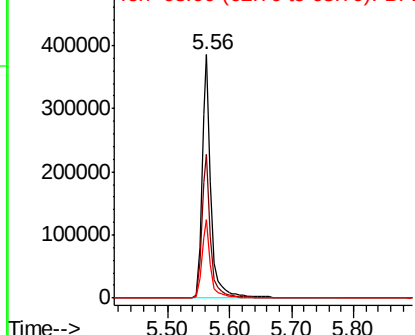
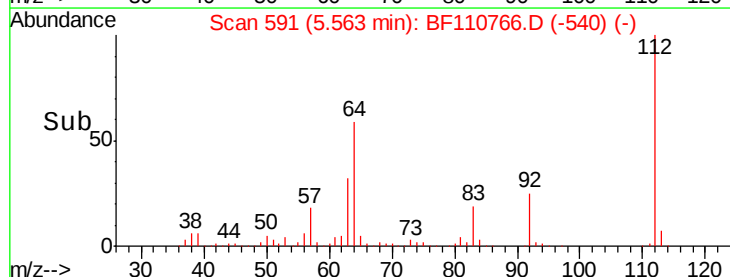
#5

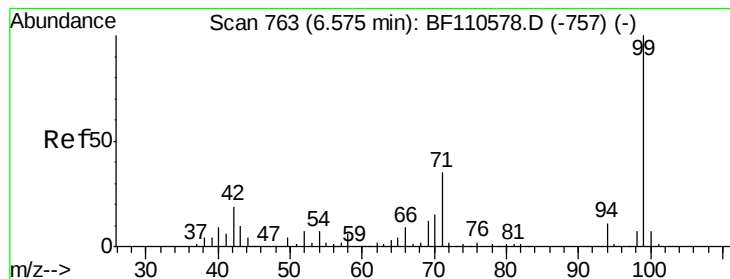
2-Fluorophenol
Concen: 84.576 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110766.D
Acq: 14 Nov 2018 16:06

Tgt Ion:112 Resp: 396154
Ion Ratio Lower Upper
112 100
64 59.2 44.1 66.1
63 32.1 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: 86.350 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

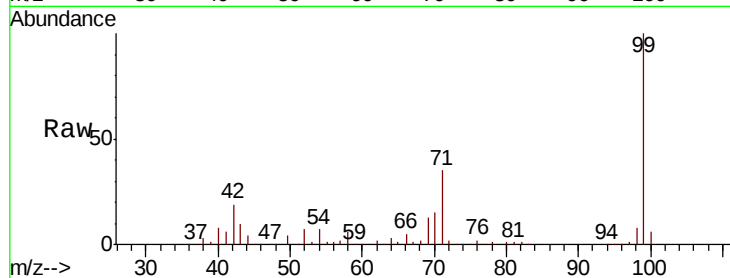
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 517209

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	34.8	28.0	42.0

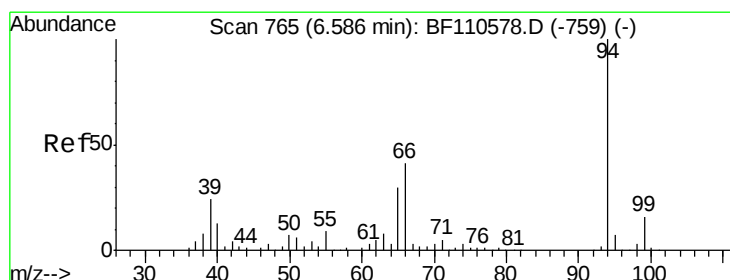
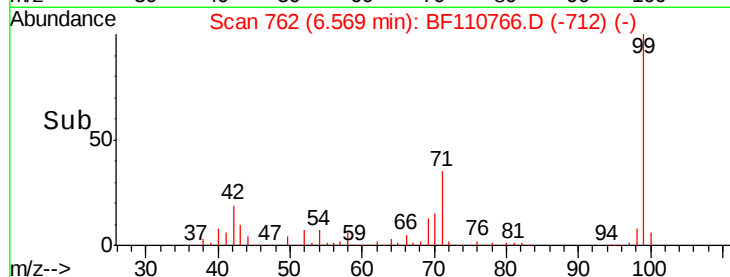
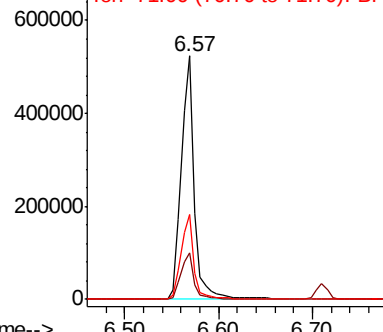


Abundance

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: 2.899 ng

RT: 6.58 min Scan# 764

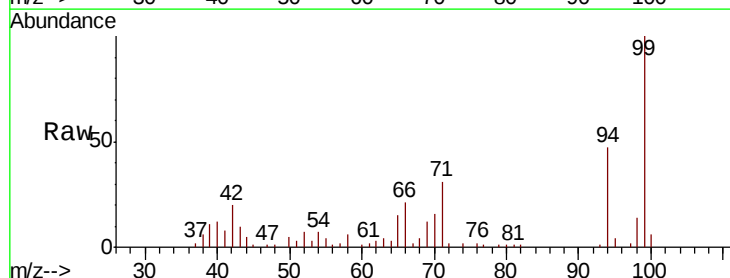
Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Tgt Ion: 94 Resp: 20136

Ion	Ratio	Lower	Upper
94	100		
65	31.5	25.3	65.3
66	45.4	54.5	94.5#

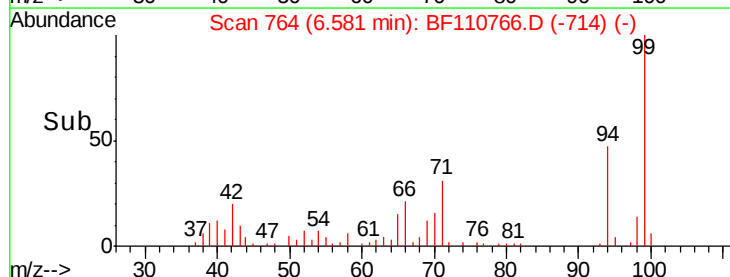
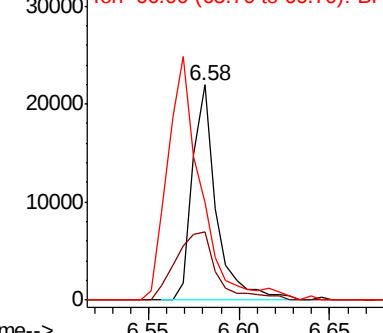


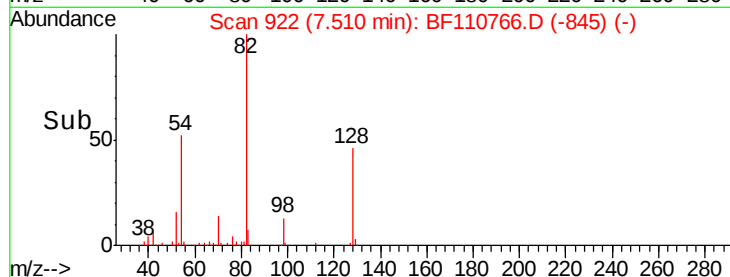
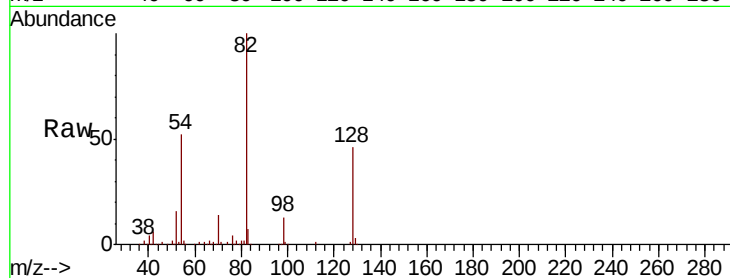
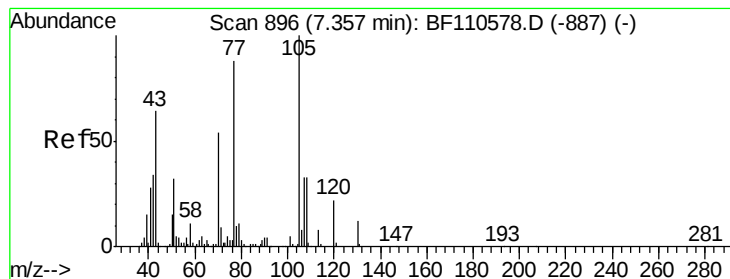
Abundance

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: 11.461 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 43822

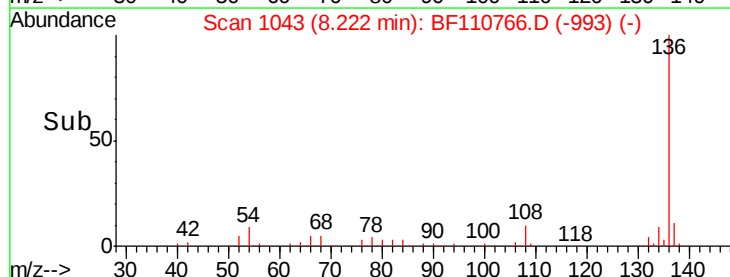
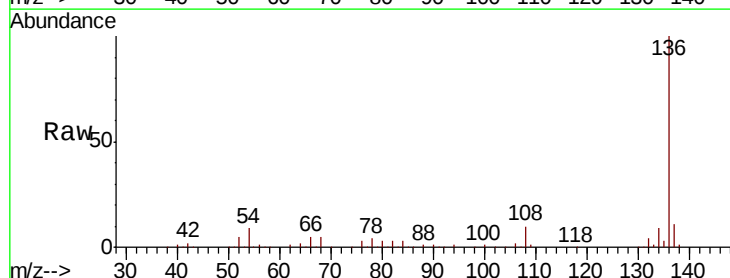
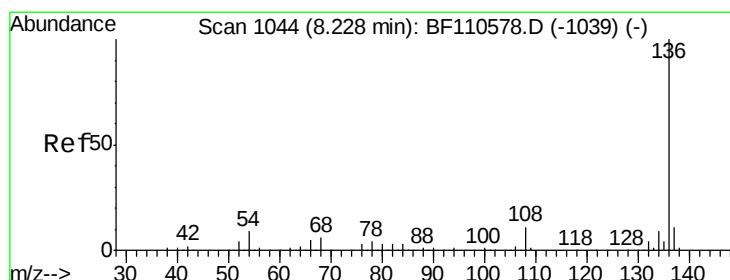
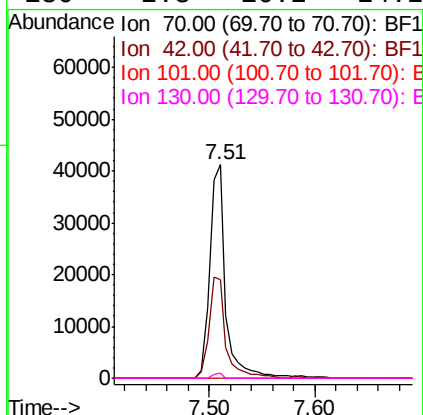
Ion Ratio Lower Upper

70 100

42 46.4 47.4 71.2#

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Tgt Ion:136 Resp: 323945

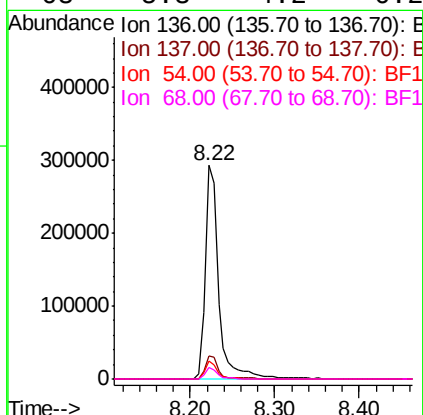
Ion Ratio Lower Upper

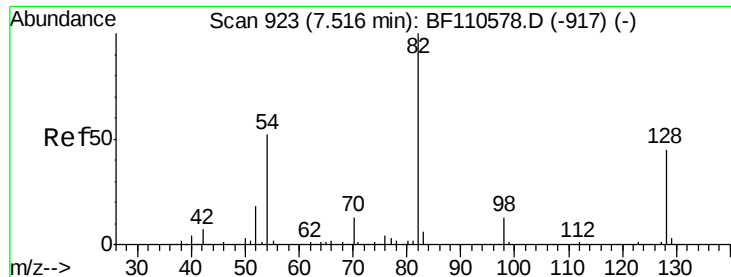
136 100

137 10.8 8.8 13.2

54 8.6 5.4 8.2#

68 5.3 4.2 6.2

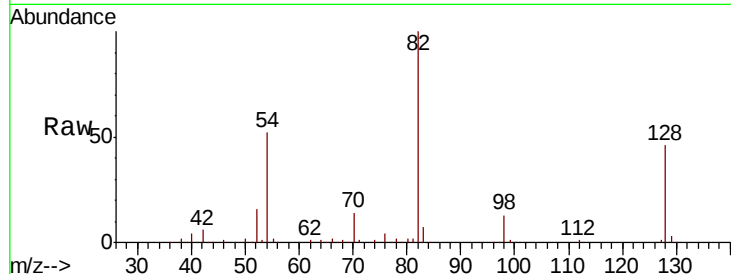




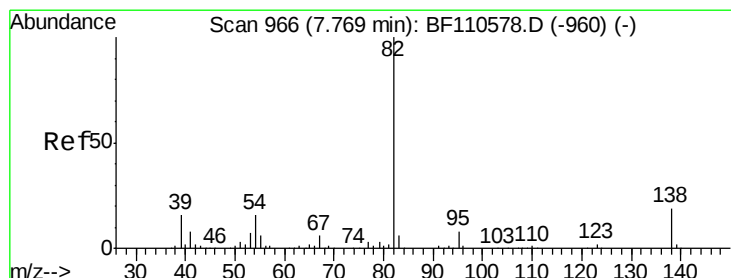
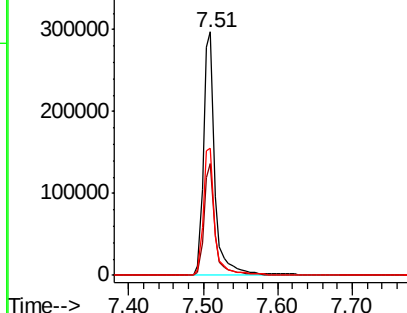
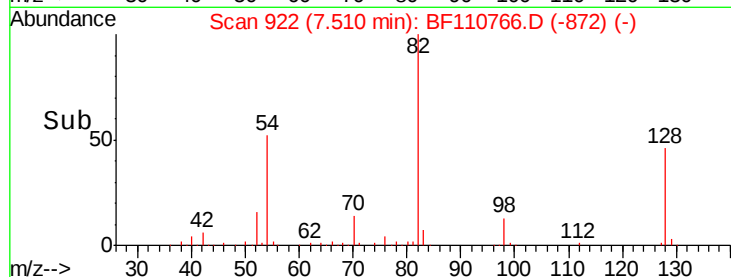
#23
 Nitrobenzene-d5
 Concen: 57.943 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	325933
Ion Ratio	Lower	Upper	
82	100		
128	46.1	34.2	51.2
54	52.3	38.6	58.0

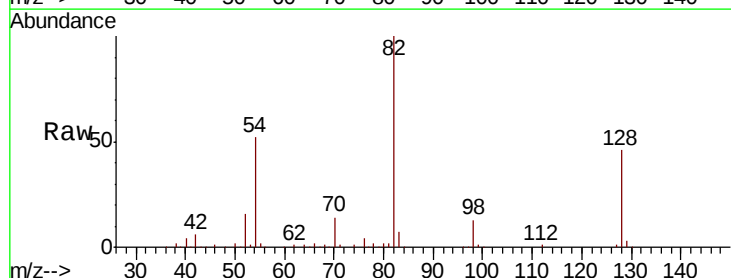


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

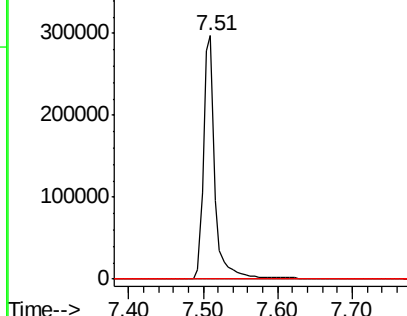
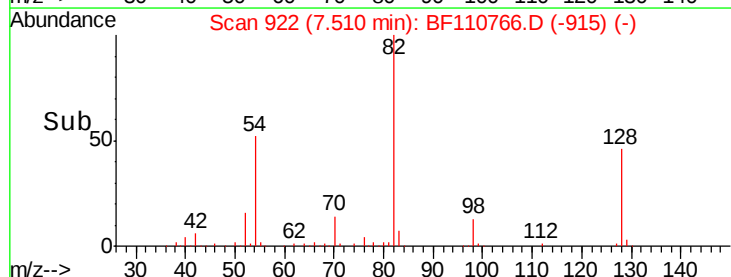


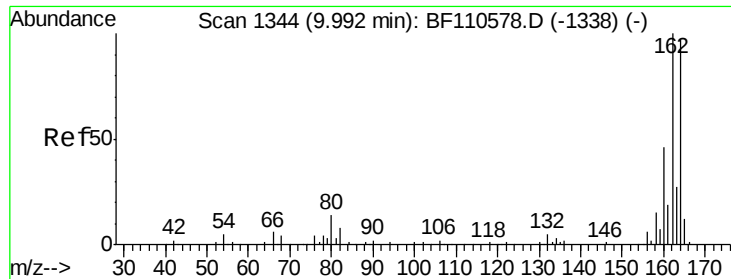
#25
 Isophorone
 Concen: 35.352 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

Tgt Ion	82	Resp	325933
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Instrument :

BNA_F

ClientSampleId :

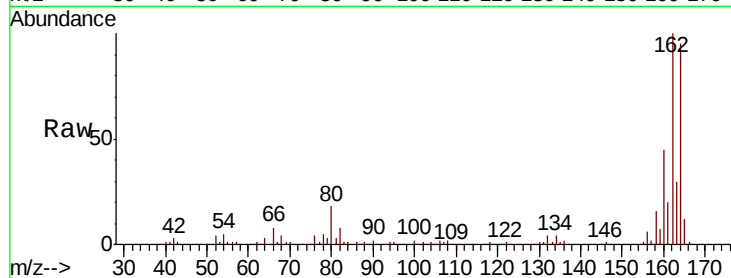
Tot Ion:164 Resp: 156598

Ion Ratio Lower Upper

164 100

162 105.5 83.0 124.6

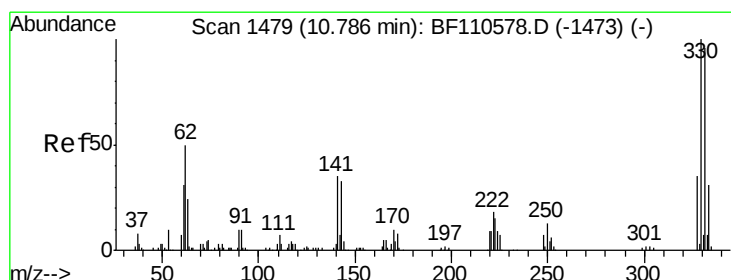
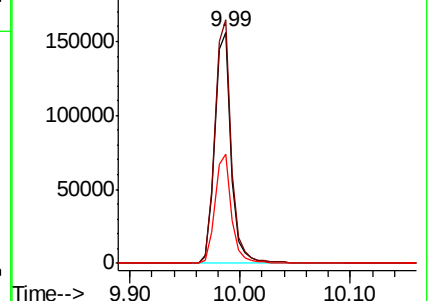
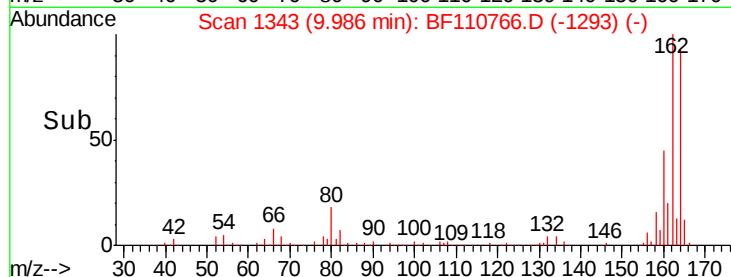
160 47.1 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 76.206 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

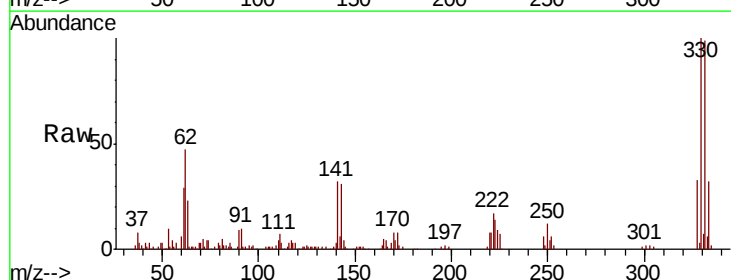
Tgt Ion:330 Resp: 120247

Ion Ratio Lower Upper

330 100

332 98.3 77.1 115.7

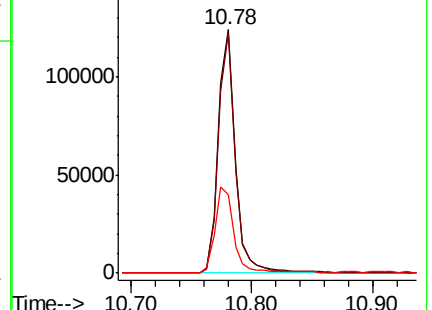
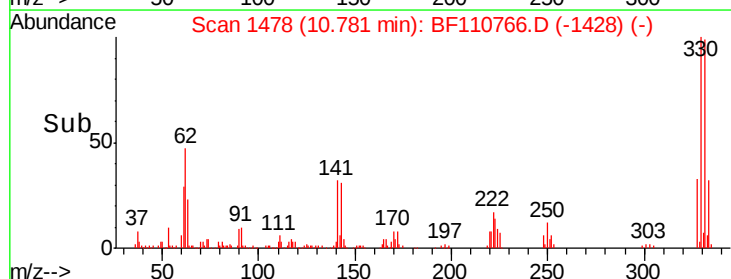
141 40.4 27.0 40.4

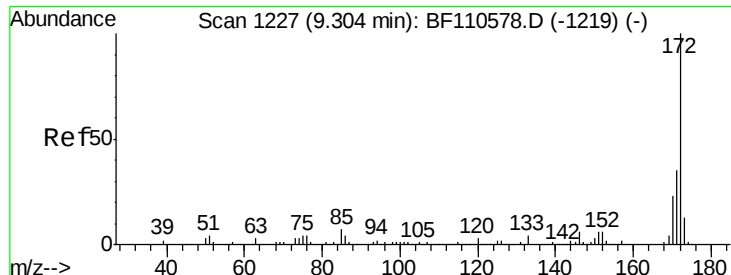


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

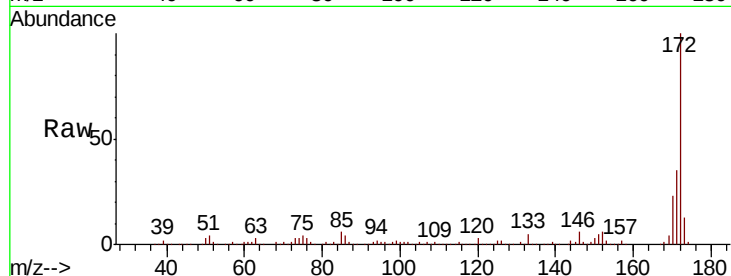




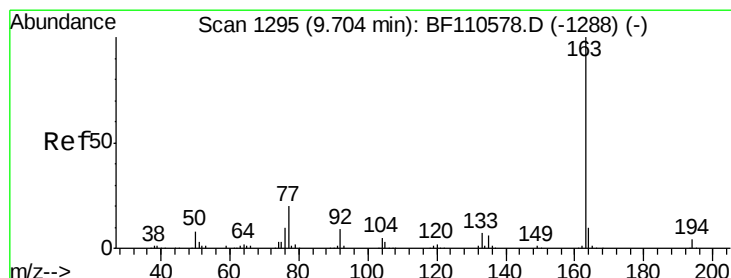
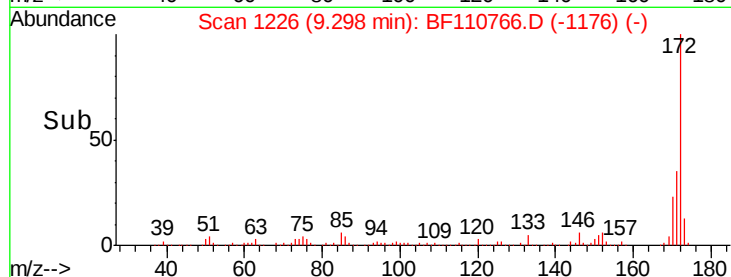
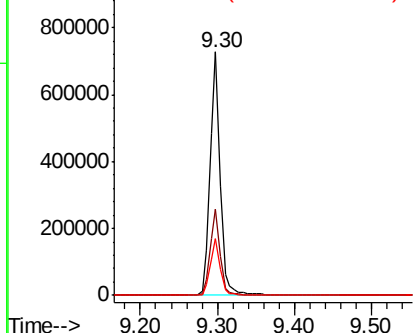
#45
2-Fluorobiphenyl
Concen: 59.544 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110766.D
Acq: 14 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 652891
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.3 19.7 29.5

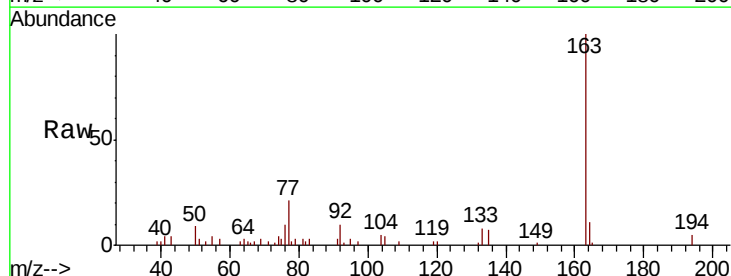


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

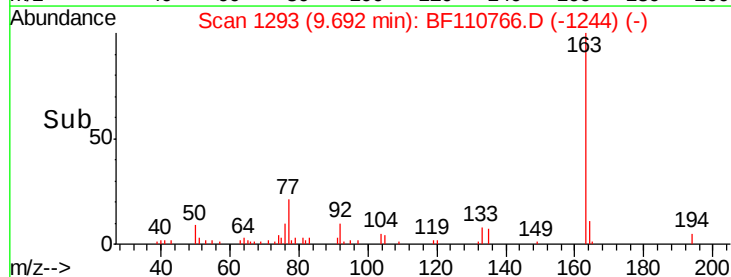
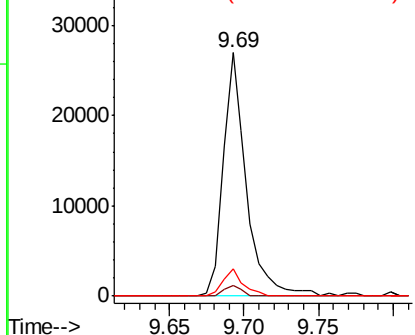


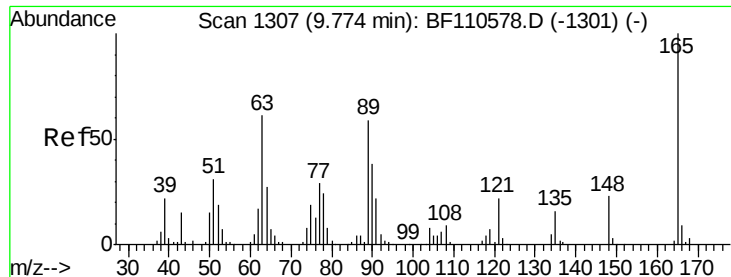
#50
Dimethylphthalate
Concen: 2.521 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110766.D
Acq: 14 Nov 2018 16:06

Tgt Ion:163 Resp: 29462
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 11.4 8.1 12.1



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

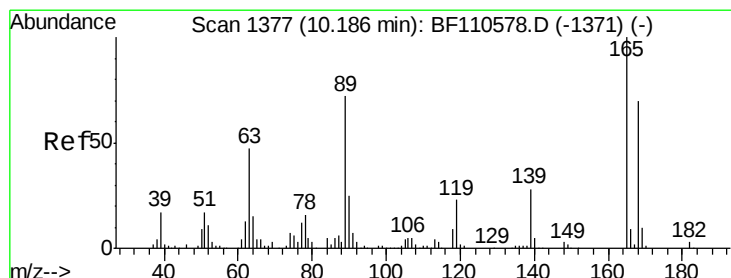
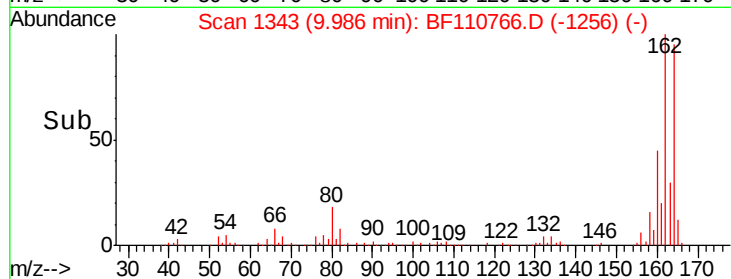
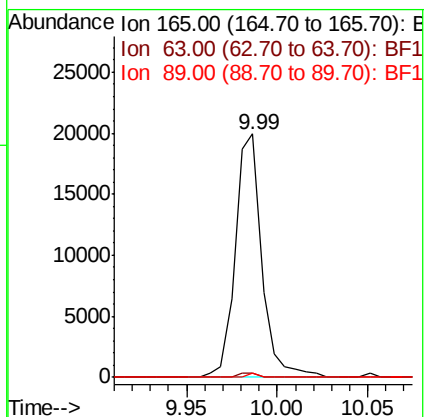
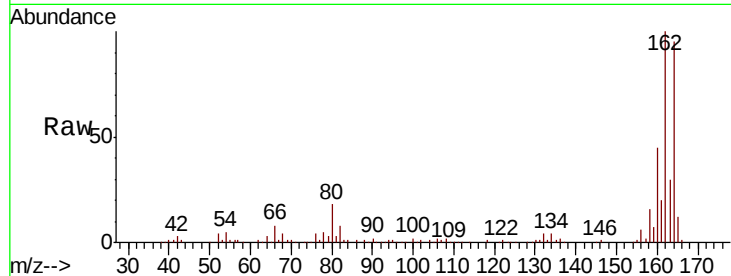




#51
 2,6-Dinitrotoluene
 Concen: 7.880 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

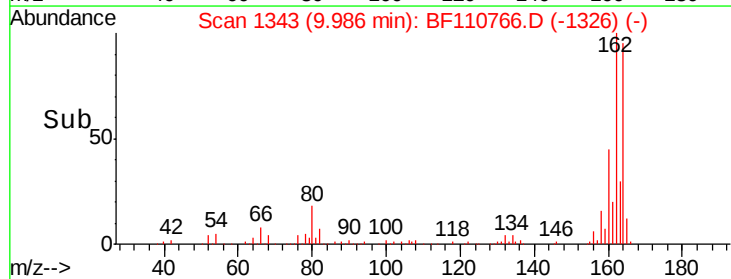
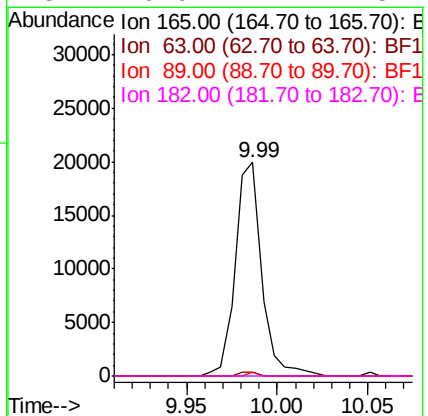
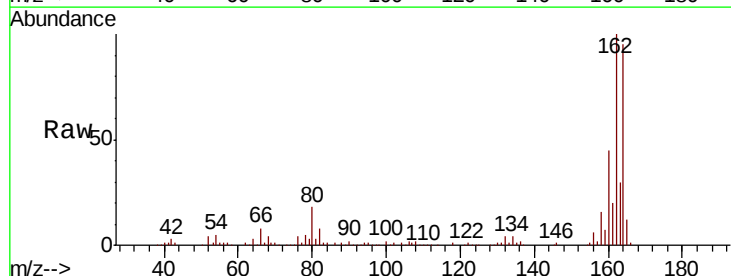
Instrument :
 BNA_F
 ClientSampled :

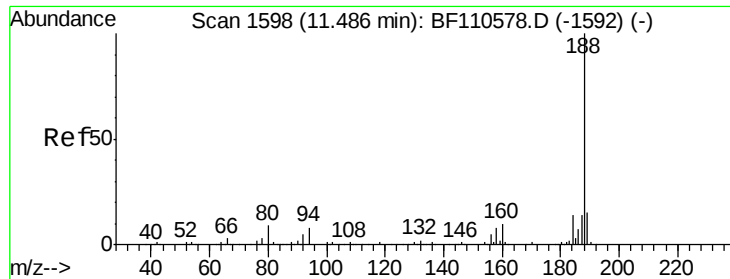
Tot Ion:165	Resp:	20255
Ion Ratio	Lower	Upper
165	100	
63	2.0	48.9 73.3#
89	1.7	46.6 69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.060 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

Tgt Ion:165	Resp:	20255
Ion Ratio	Lower	Upper
165	100	
63	2.0	44.8 67.2#
89	1.7	62.2 93.4#
182	0.0	2.1 3.1#

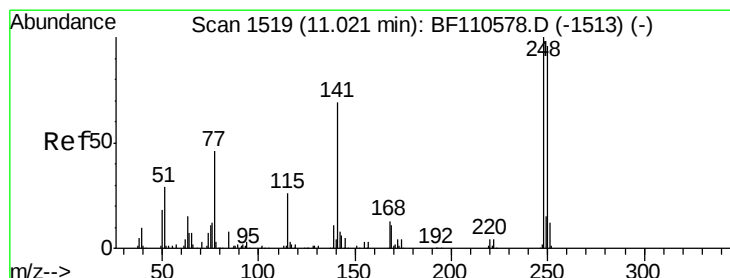
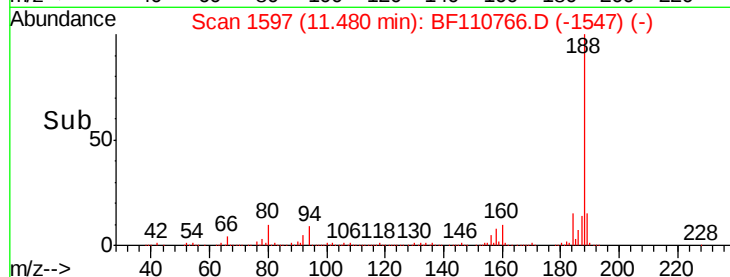
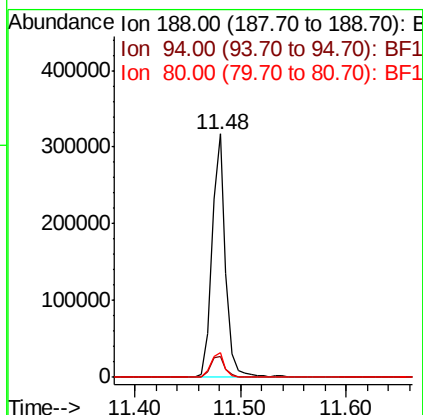
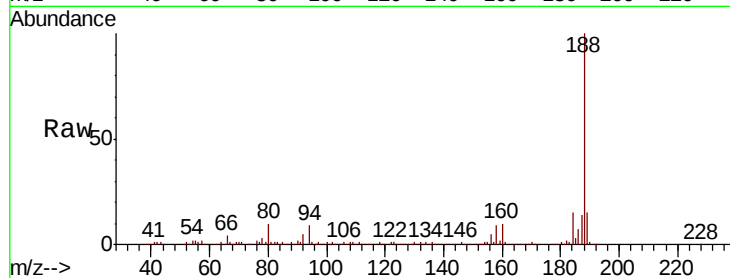




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

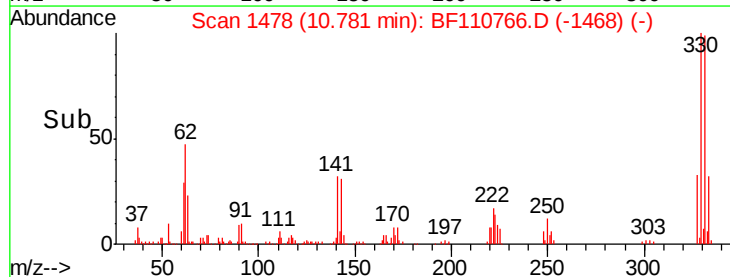
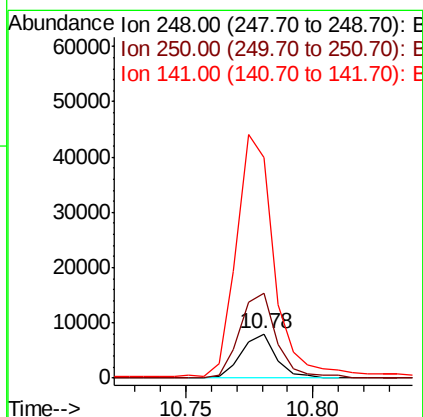
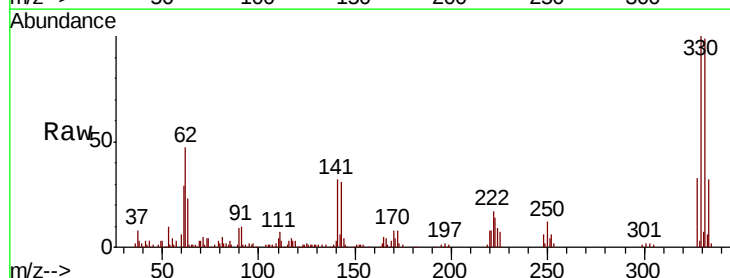
Instrument :
 BNA_F
 ClientSampleId :

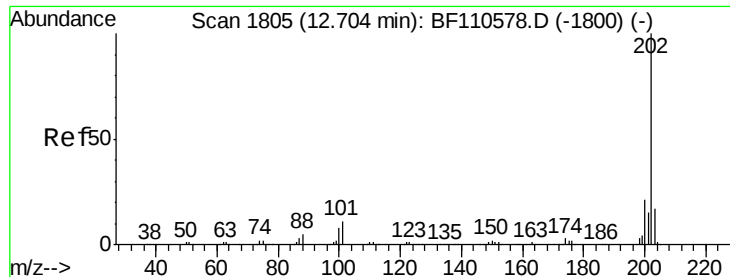
Tot Ion:188 Resp: 285145
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 10.0 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 2.479 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

Tgt Ion:248 Resp: 7811
 Ion Ratio Lower Upper
 248 100
 250 191.6 79.4 119.2#
 141 494.4 55.9 83.9#





#75

Fluoranthene

Concen: 2.334 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Instrument :

BNA_F

ClientSampleId :

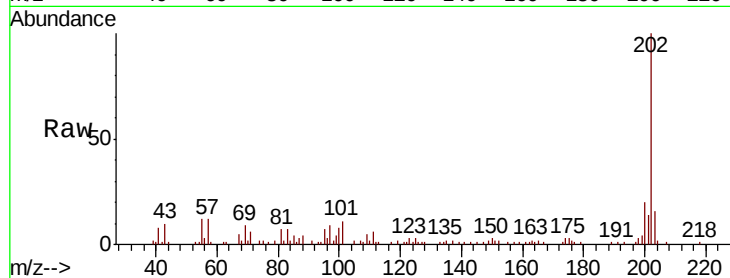
Tot Ion:202 Resp: 35752

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

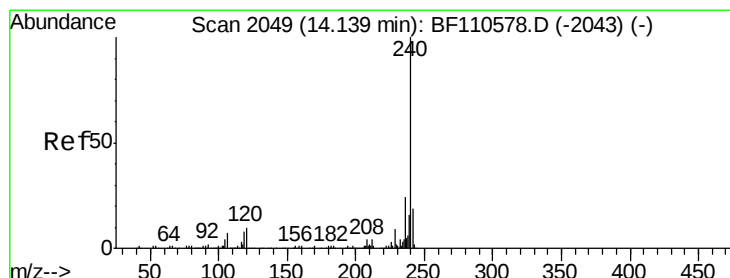
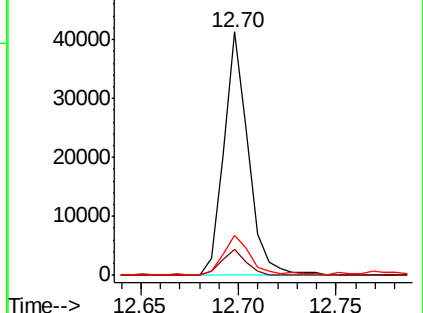
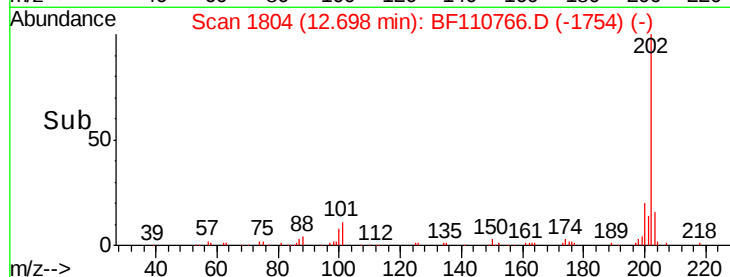
203 16.3 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

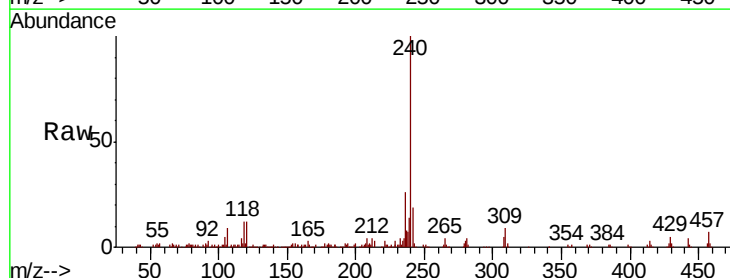
Tgt Ion:240 Resp: 163372

Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

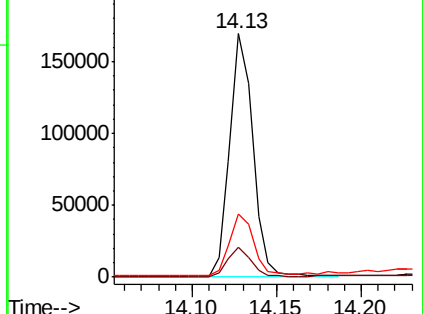
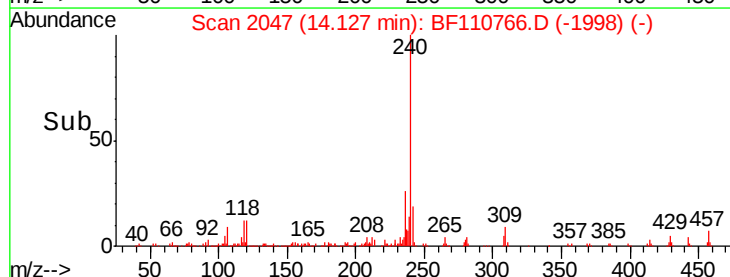
236 25.8 21.2 31.8

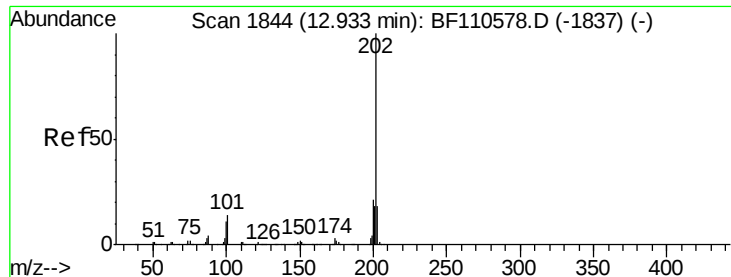


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.254 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Instrument :

BNA_F

ClientSampleId :

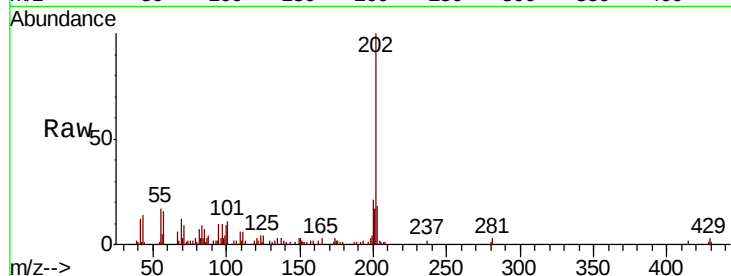
Tot Ion:202 Resp: 28354

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

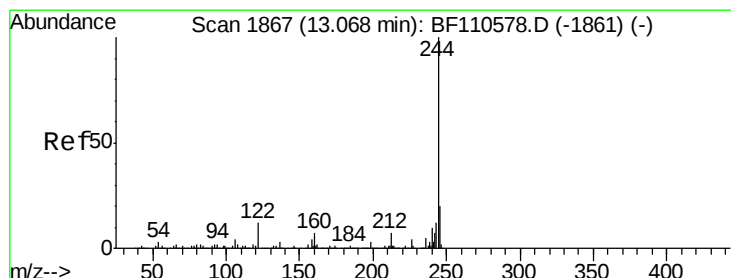
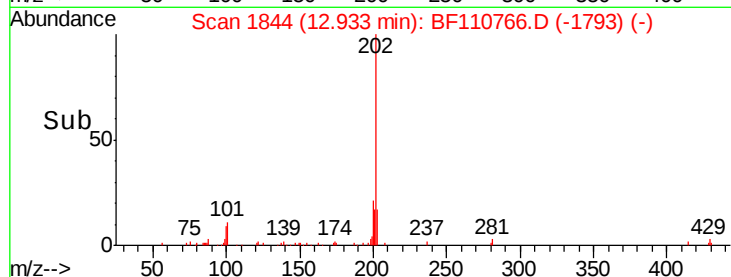
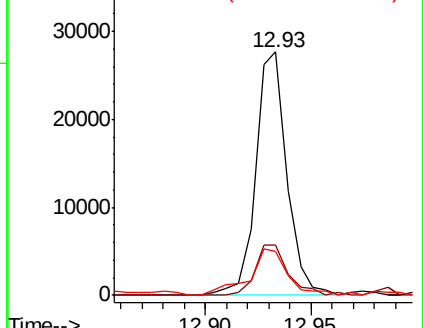
203 18.0 14.2 21.4



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



#79

Terphenyl-d14

Concen: 64.672 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

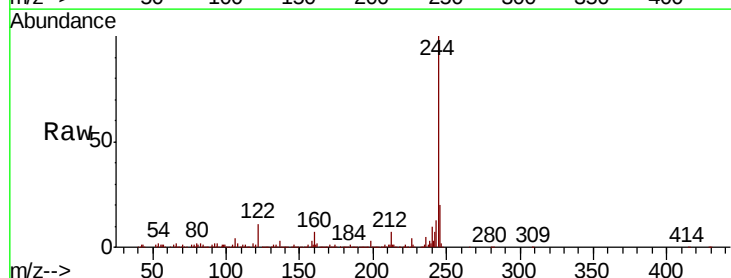
Tgt Ion:244 Resp: 564170

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

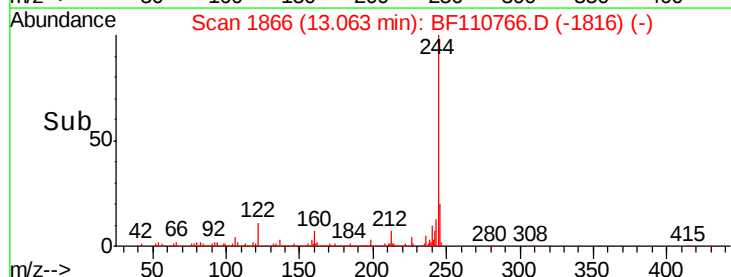
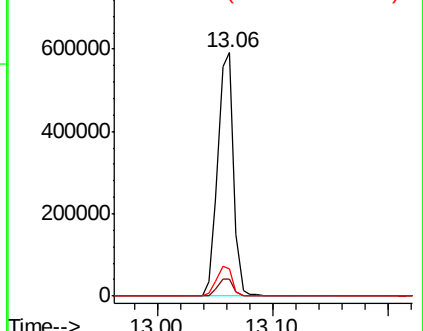
122 11.0 8.7 13.1

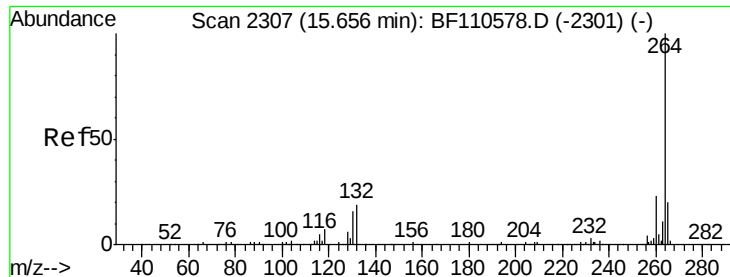


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

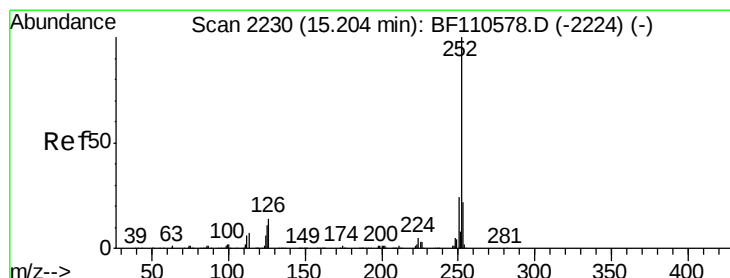
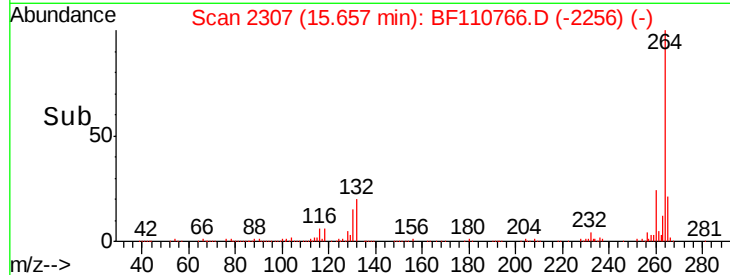
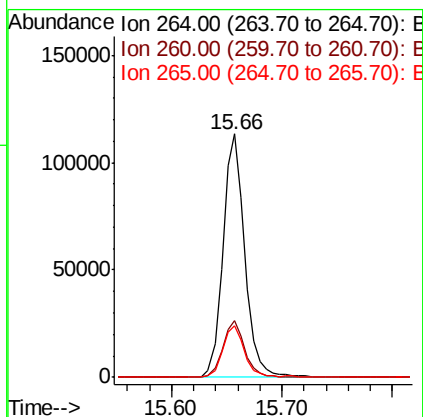
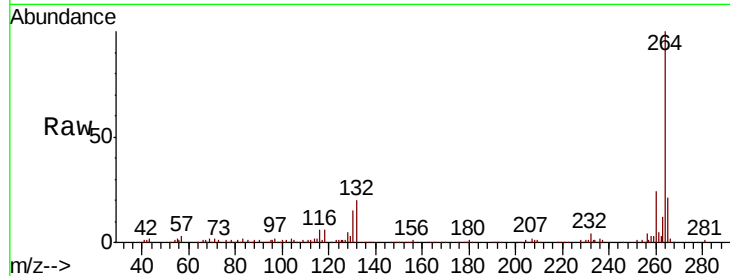




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

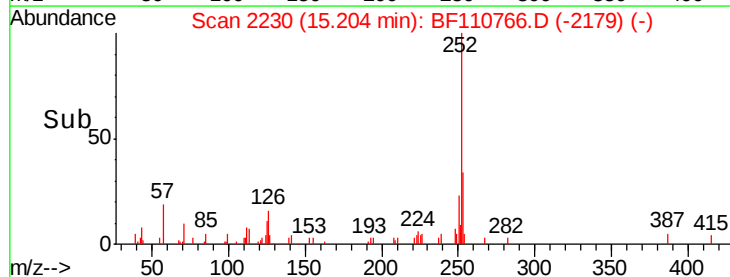
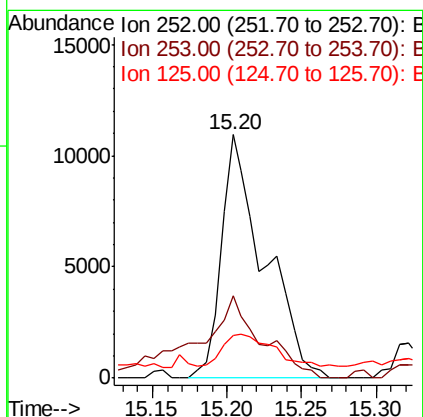
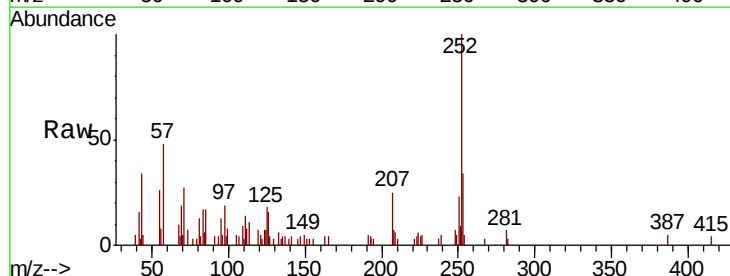
Instrument :
 BNA_F
 ClientSampleId :

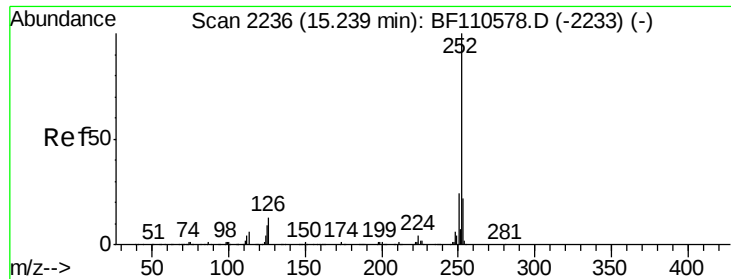
Tot Ion:264 Resp: 155809
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.3 16.7 25.1



#88
 Benzo(b)fluoranthene
 Concen: 2.345 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BF110766.D
 Acq: 14 Nov 2018 16:06

Tgt Ion:252 Resp: 21857
 Ion Ratio Lower Upper
 252 100
 253 33.6 17.2 25.8#
 125 17.6 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 2.373 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110766.D

Acq: 14 Nov 2018 16:06

Instrument :

BNA_F

ClientSampleId :

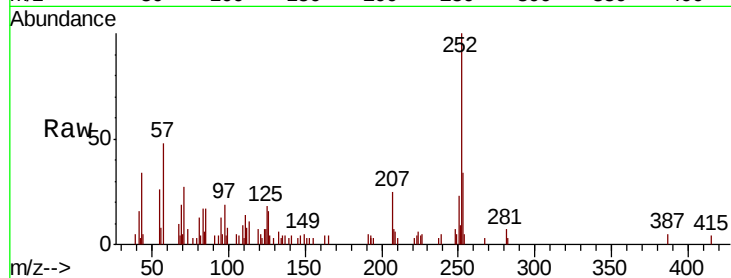
Tot Ion:252 Resp: 21857

Ion Ratio Lower Upper

252 100

253 33.6 17.2 25.8#

125 17.6 7.4 11.0#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

