

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110164.D
 Acq On : 25 Oct 2018 17:00
 Operator : JU/SJ
 Sample : J5636-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 02:28:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	142045	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	564259	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	273822	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	499612	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	303112	20.00	ng	-0.02
87) Perylene-d12	15.67	264	263042	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	894541	102.55	ng	0.00
7) Phenol-d6	6.59	99	1142406	102.39	ng	-0.01
23) Nitrobenzene-d5	7.53	82	716204	75.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	262268	96.69	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	1237242	70.95	ng	-0.02
79) Terphenyl-d14	13.09	244	1065490	73.11	ng	-0.02

Target Compounds

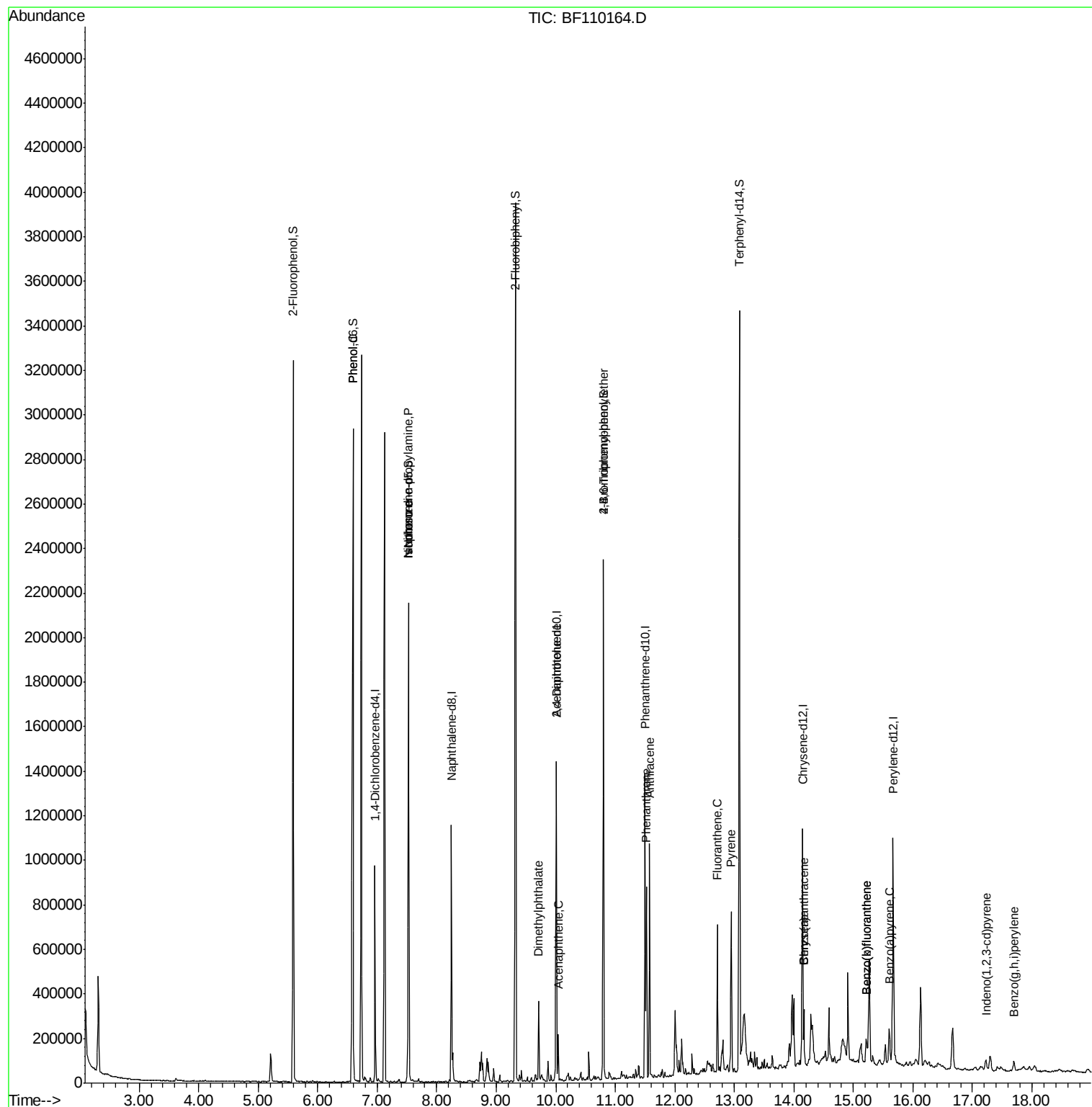
						Qvalue
9) Benzaldehyde	6.59	77	2611	Below Cal	#	1
10) Phenol	6.60	94	60698	5.090 ng	#	71
19) n-Nitroso-di-n-propylamine	7.53	70	94257	13.169 ng	#	82
25) Isophorone	7.53	82	716199	44.165 ng	#	67
50) Dimethylphthalate	9.71	163	135268	6.692 ng		99
52) Acenaphthene	10.04	154	38249	2.204 ng		98
57) 2,4-Dinitrotoluene	10.01	165	34579	6.253 ng	#	19
67) 4-Bromophenyl-phenylether	10.80	248	16456	3.037 ng	#	1
71) Phenanthrene	11.52	178	312267	11.945 ng		98
72) Anthracene	11.57	178	371930	14.194 ng		98
75) Fluoranthene	12.72	202	234560	8.841 ng		100
78) Pyrene	12.94	202	273810	12.600 ng		99
81) Benzo(a)anthracene	14.17	228	90559	5.038 ng		97
83) Chrysene	14.17	228	90559	5.304 ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	34014	2.402 ng		97
88) Benzo(b)fluoranthene	15.22	252	90874	5.983 ng	#	96
89) Benzo(k)fluoranthene	15.22	252	90874	6.085 ng	#	95
90) Benzo(a)pyrene	15.60	252	64187	4.592 ng		99
92) Benzo(a,h,i)perylene	17.70	276	35115	2.955 ng	#	95

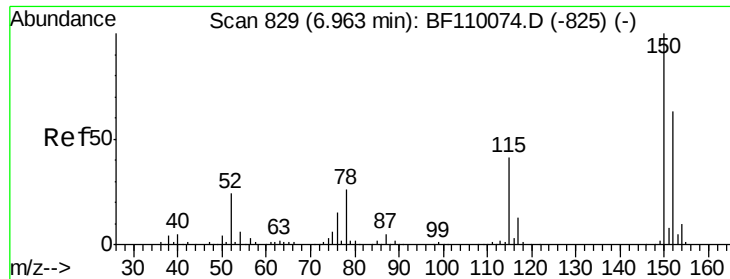
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110164.D
Acq On : 25 Oct 2018 17:00
Operator : JU/SJ
Sample : J5636-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 26 02:28:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration



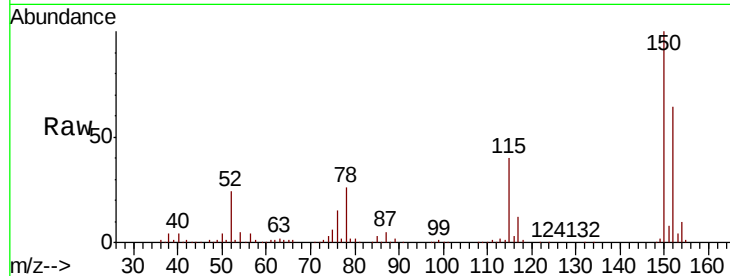


#1

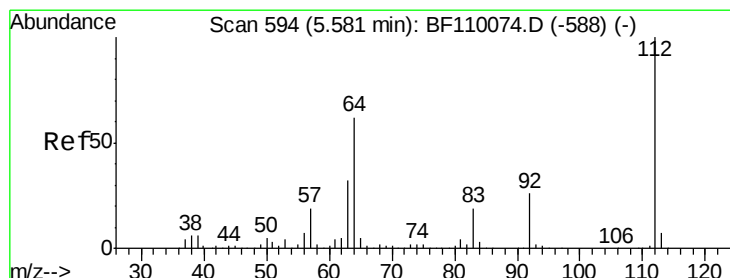
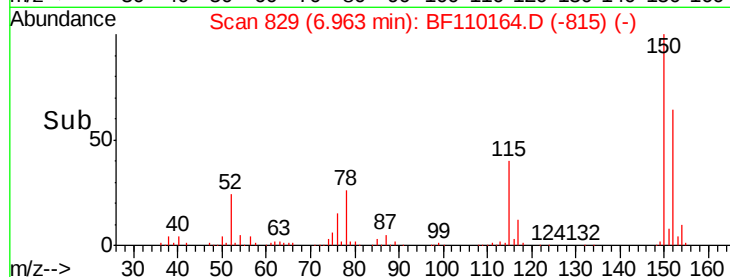
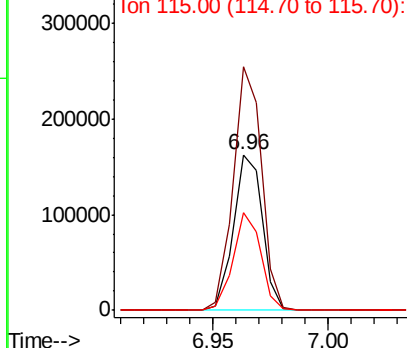
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142045
Ion Ratio Lower Upper
152 100
150 156.8 122.7 184.1
115 62.6 49.1 73.7



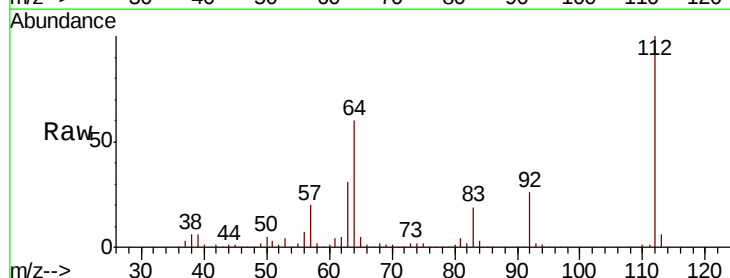
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



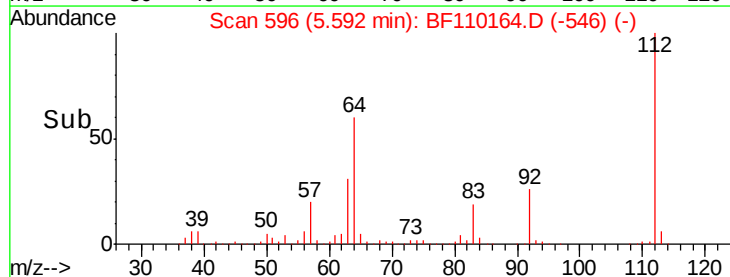
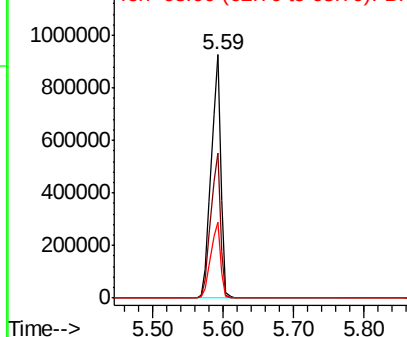
#5

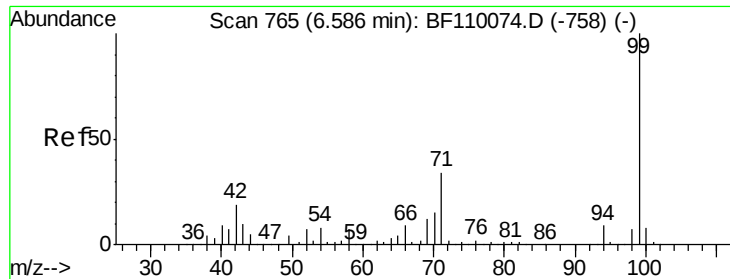
2-Fluorophenol
Concen: 102.553 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:112 Resp: 894541
Ion Ratio Lower Upper
112 100
64 59.7 44.1 66.1
63 31.4 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: 102.394 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_F

ClientSampled :

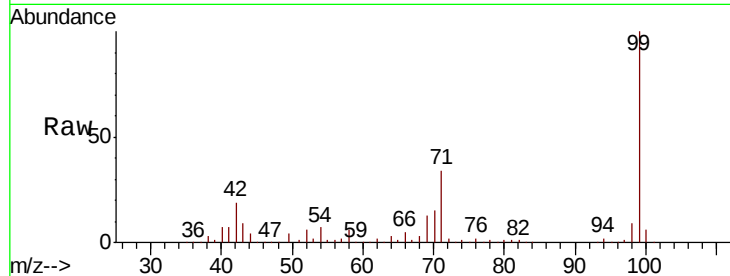
Tot Ion: 99 Resp: 1142406

Ion Ratio Lower Upper

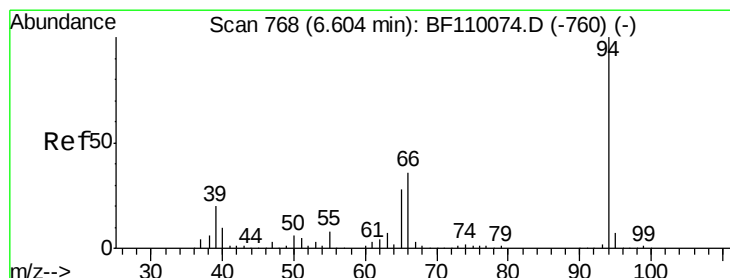
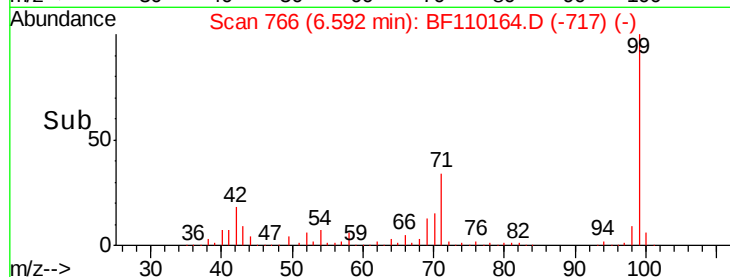
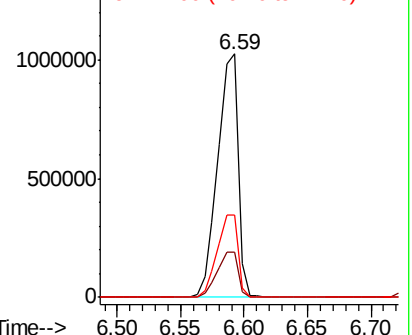
99 100

42 18.5 15.8 23.6

71 34.0 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: 5.090 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

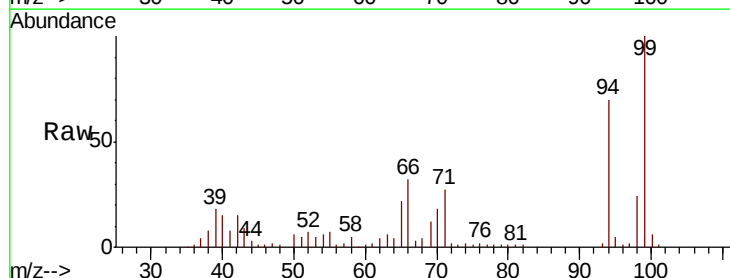
Tgt Ion: 94 Resp: 60698

Ion Ratio Lower Upper

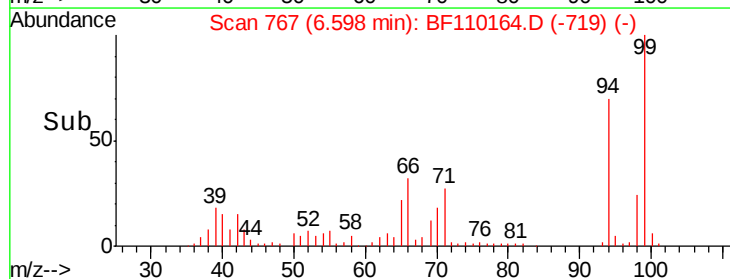
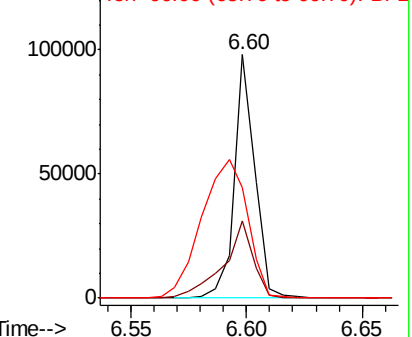
94 100

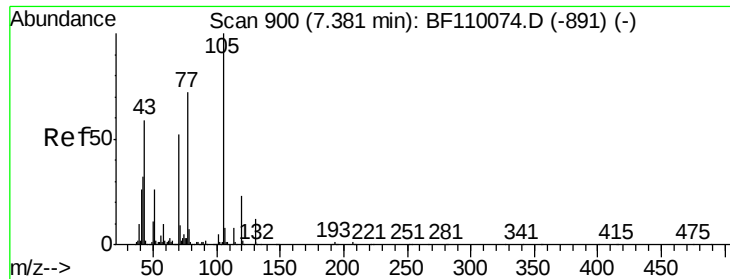
65 31.9 25.3 65.3

66 45.5 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

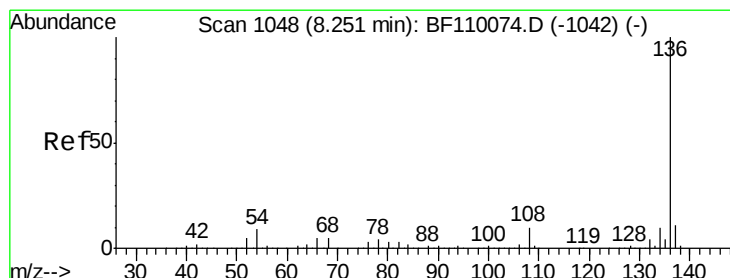
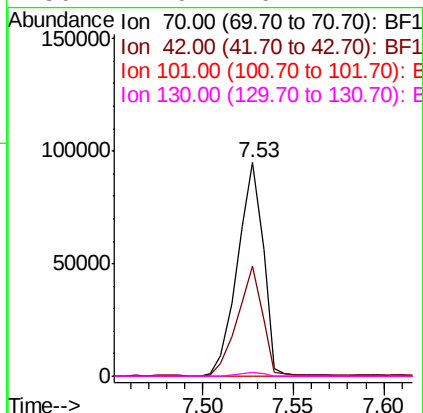
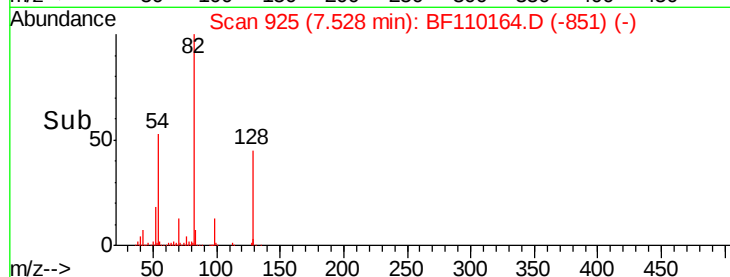
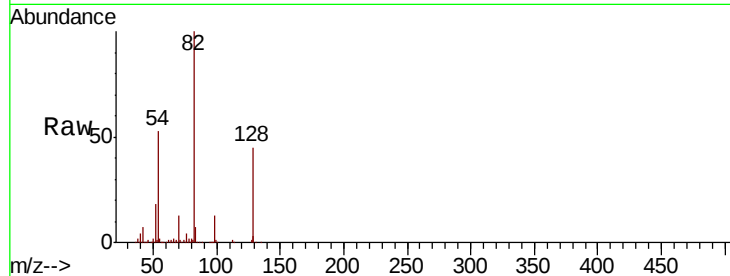




#19
n-Nitroso-di-n-propylamine
Concen: 13.169 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

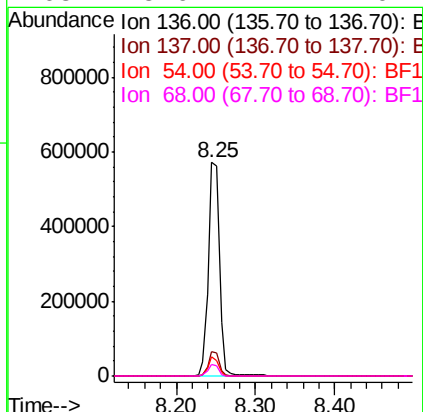
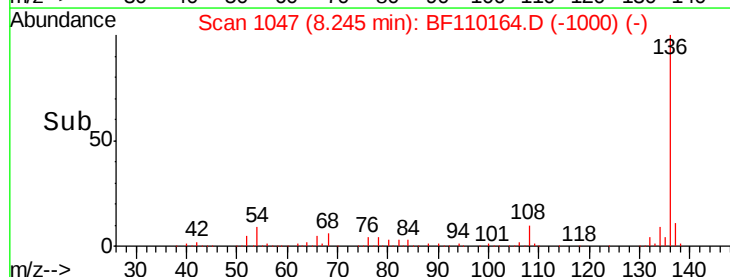
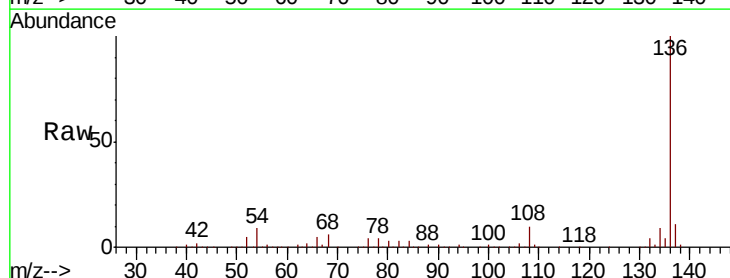
Instrument :
BNA_F
ClientSampled :

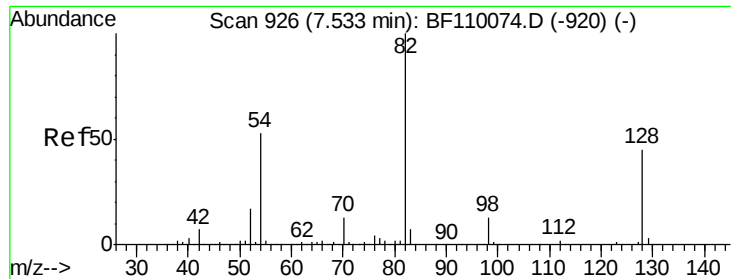
Tot Ion: 70 Resp: 94257
Ion Ratio Lower Upper
70 100
42 51.7 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion: 136 Resp: 564259
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.8 5.4 8.2#
68 5.6 4.2 6.2

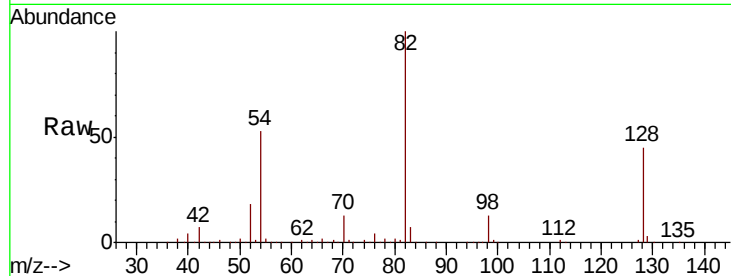




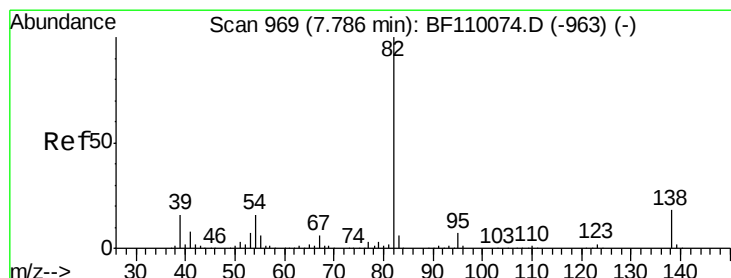
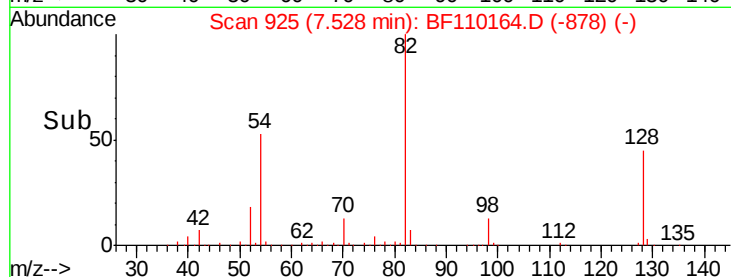
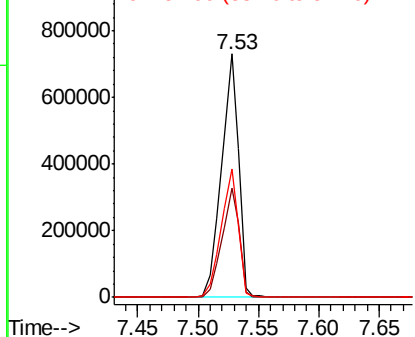
#23
 Nitrobenzene-d5
 Concen: 75.285 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110164.D
 Acq: 25 Oct 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	716204
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.2	51.2
54	53.0	38.6	58.0

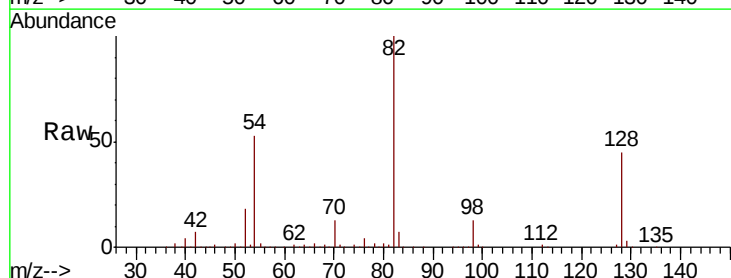


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

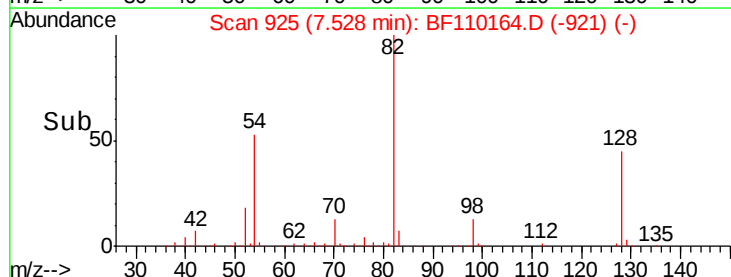
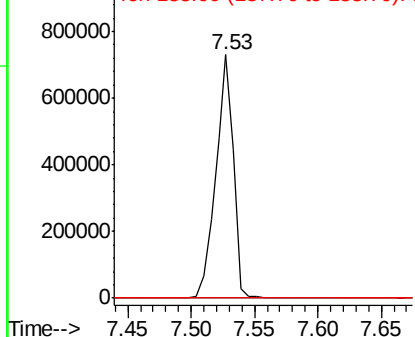


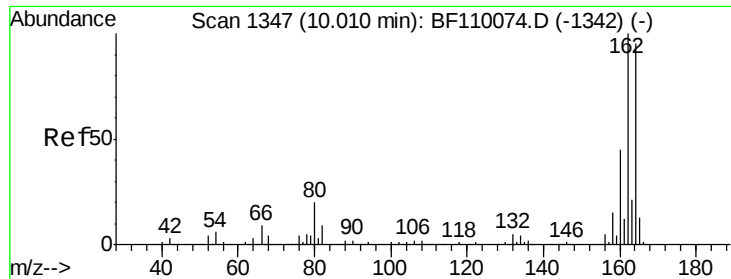
#25
 Isophorone
 Concen: 44.165 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110164.D
 Acq: 25 Oct 2018 17:00

Tgt Ion	82	Resp	716199
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

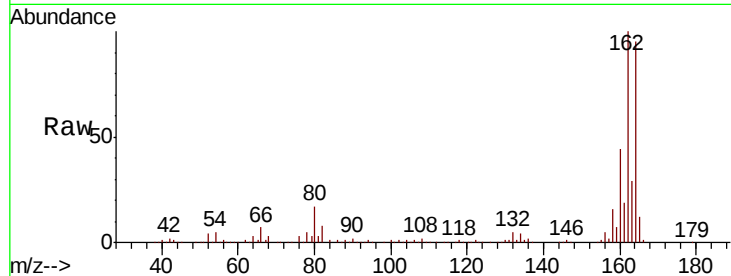




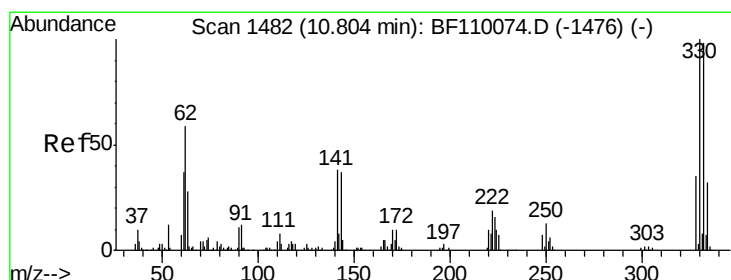
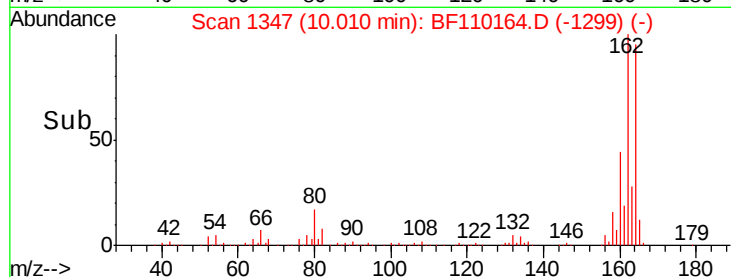
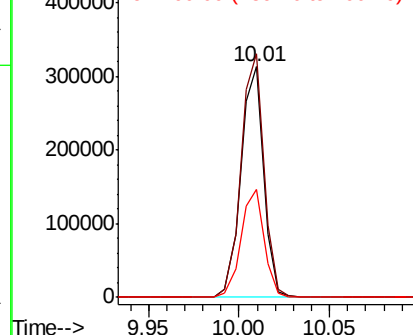
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 273822
Ion Ratio Lower Upper
164 100
162 105.7 83.0 124.6
160 46.9 37.0 55.6

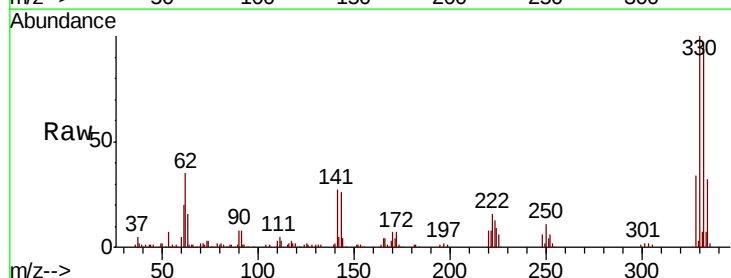


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

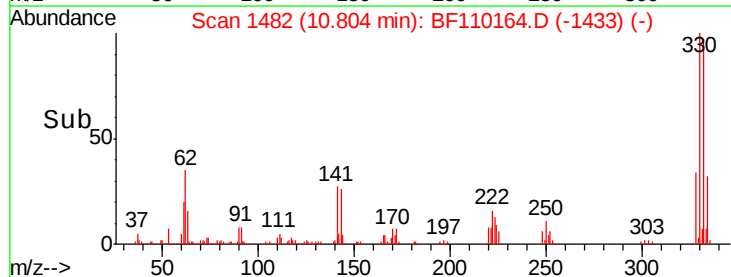
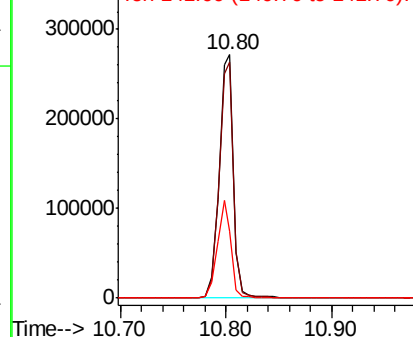


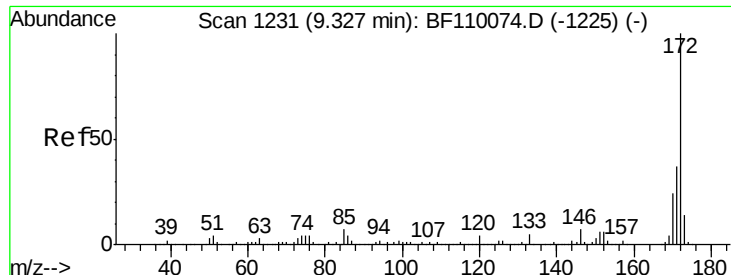
#42
2,4,6-Tribromophenol
Concen: 96.693 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:330 Resp: 262268
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 37.6 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

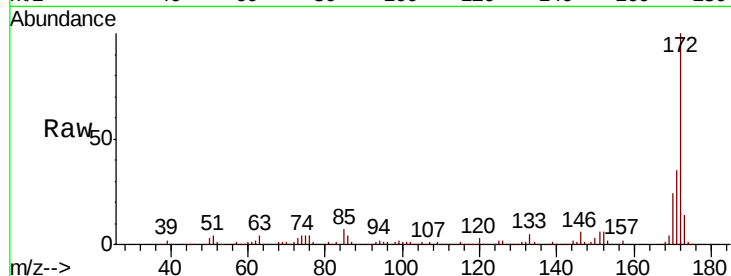




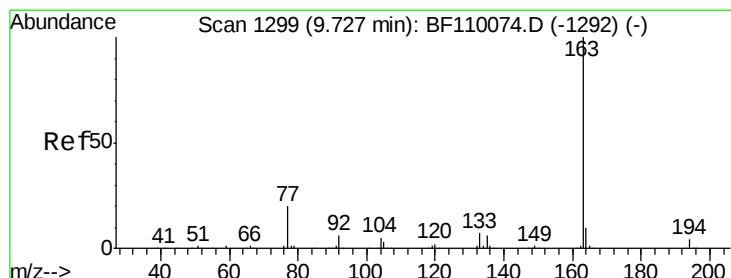
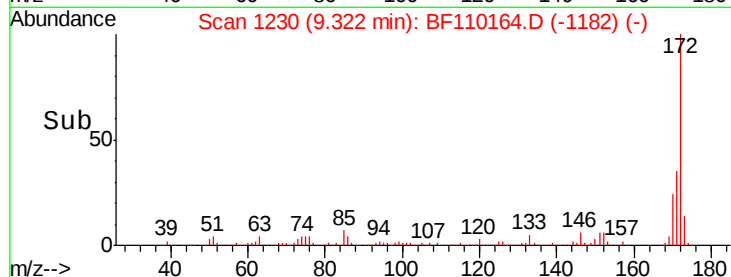
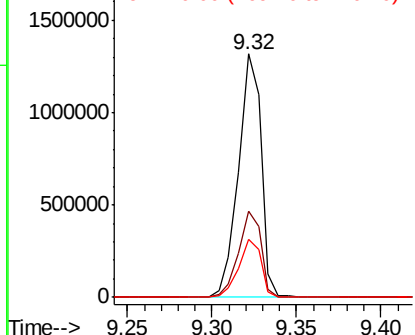
#45
2-Fluorobiphenyl
Concen: 70.951 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1237242
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 19.7 29.5

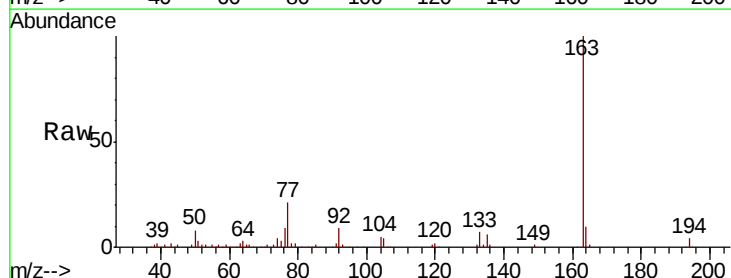


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

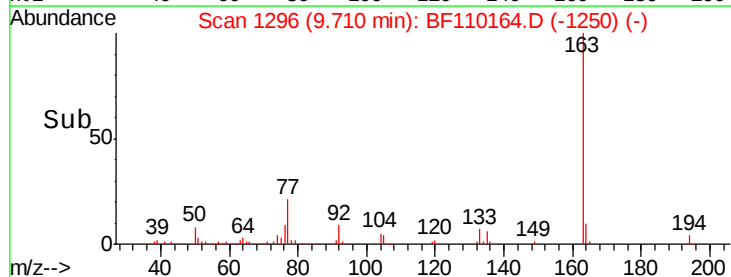
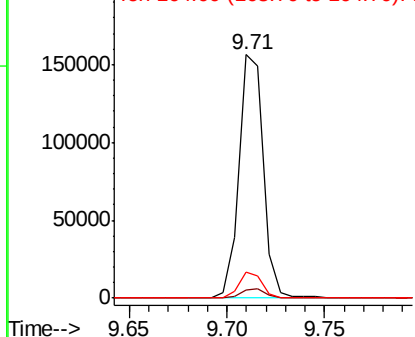


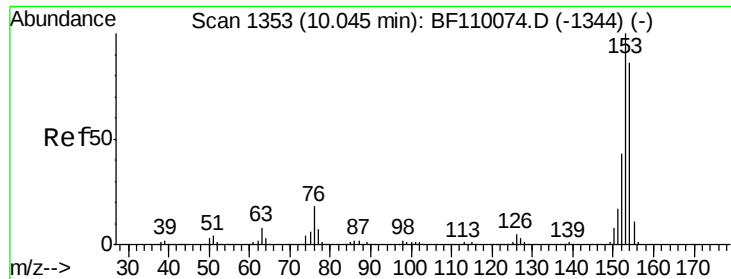
#50
Dimethylphthalate
Concen: 6.692 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:163 Resp: 135268
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.4 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





#52

Acenaphthene

Concen: 2.204 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_F

ClientSampleId :

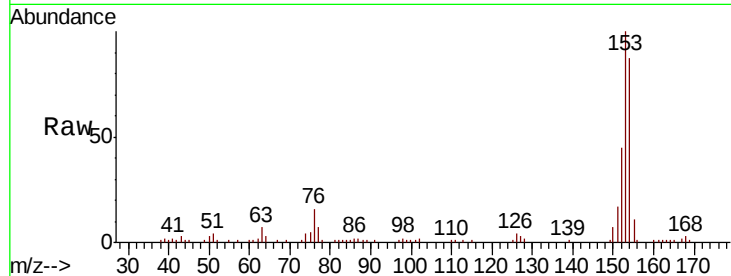
Tot Ion:154 Resp: 38249

Ion Ratio Lower Upper

154 100

153 114.4 90.1 135.1

152 51.7 43.4 65.2

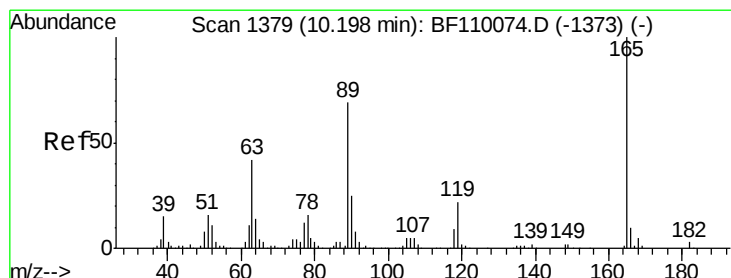
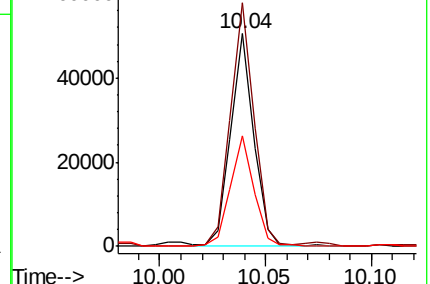
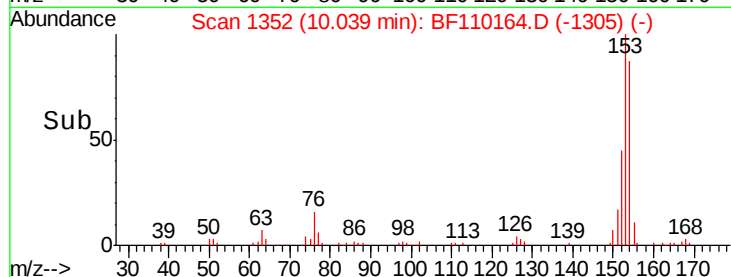


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.253 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Tgt Ion:165 Resp: 34579

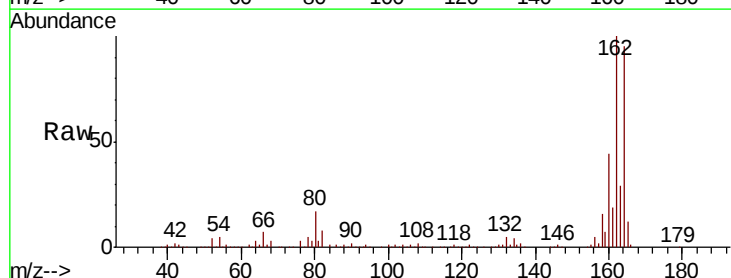
Ion Ratio Lower Upper

165 100

63 1.6 44.8 67.2#

89 1.8 62.2 93.4#

182 0.0 2.1 3.1#



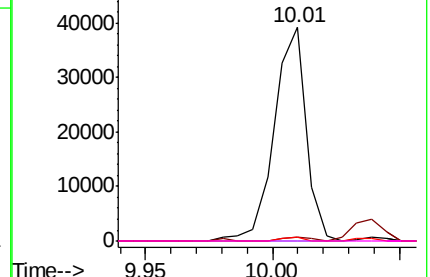
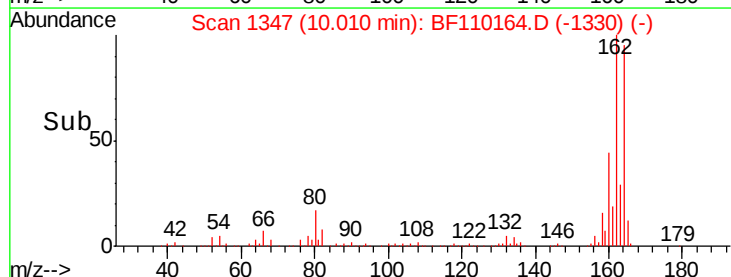
Abundance

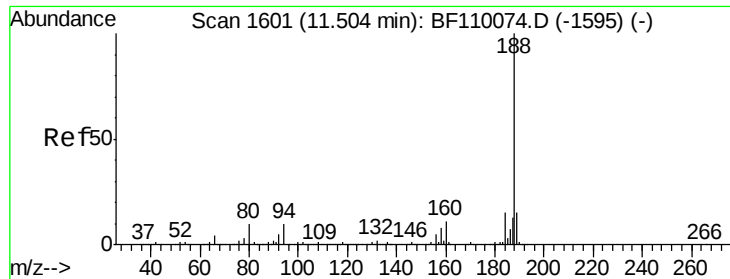
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_F

ClientSampleId :

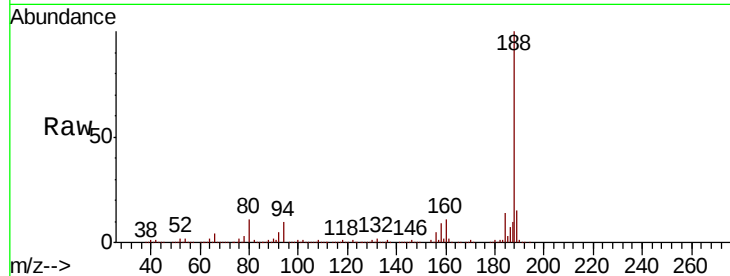
Tot Ion:188 Resp: 499612

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

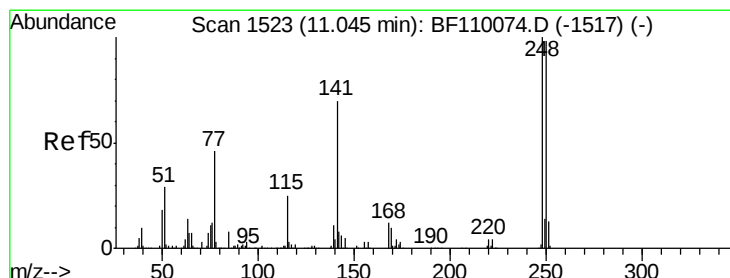
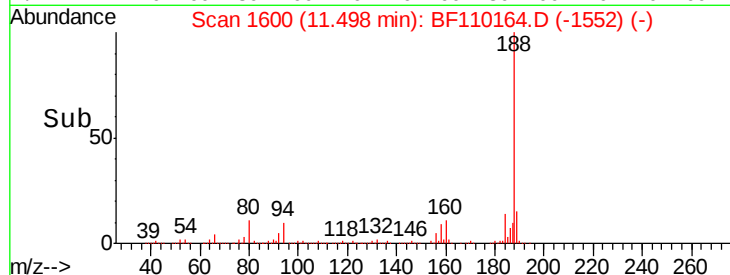
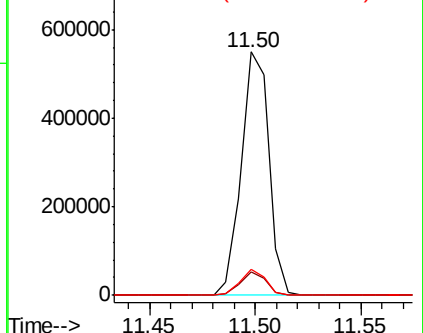
80 10.5 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 3.037 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.26 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

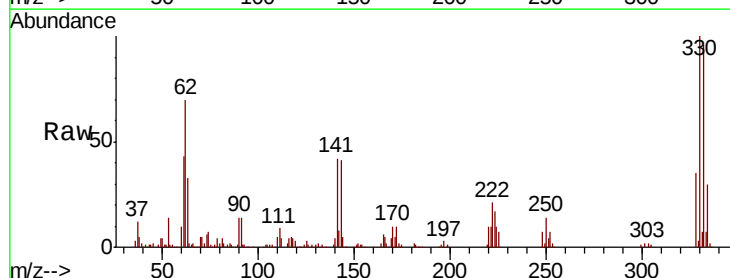
Tgt Ion:248 Resp: 16456

Ion Ratio Lower Upper

248 100

250 211.6 79.4 119.2#

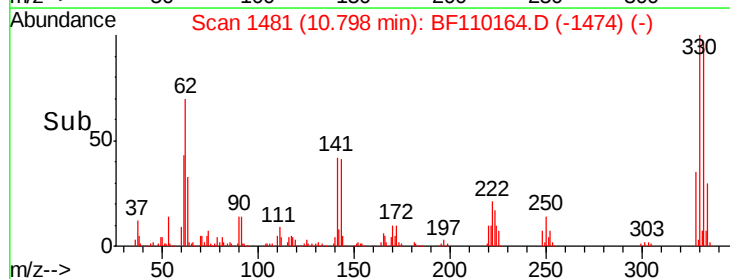
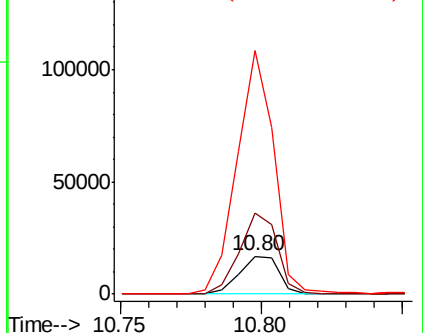
141 638.3 55.9 83.9#

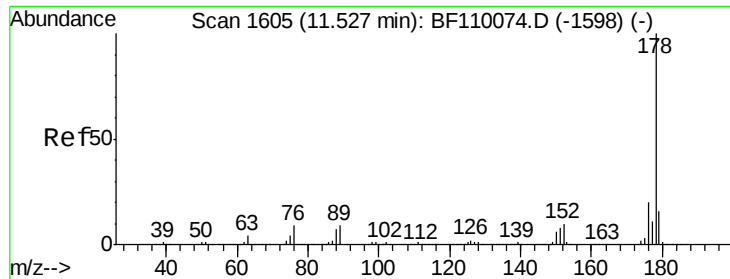


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

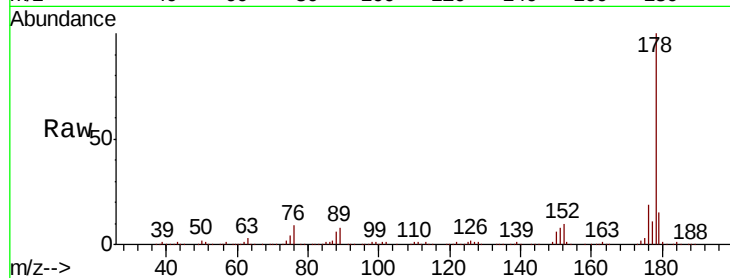




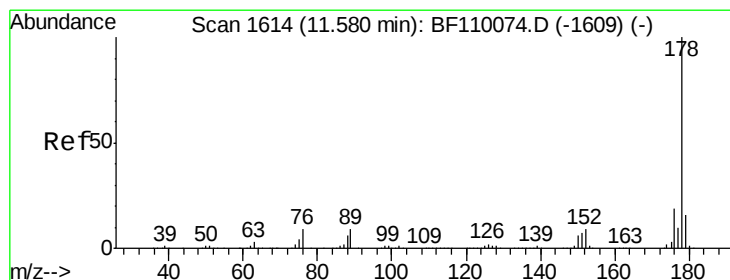
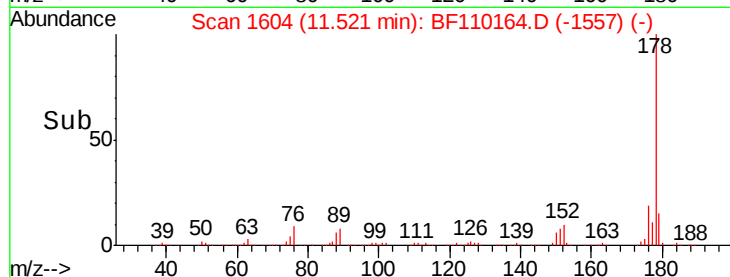
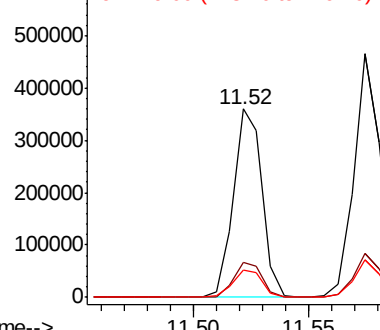
#71
Phenanthrene
Concen: 11.945 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 312267
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.8 12.5 18.7

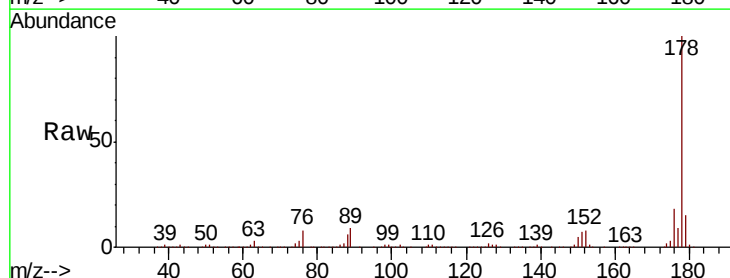


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

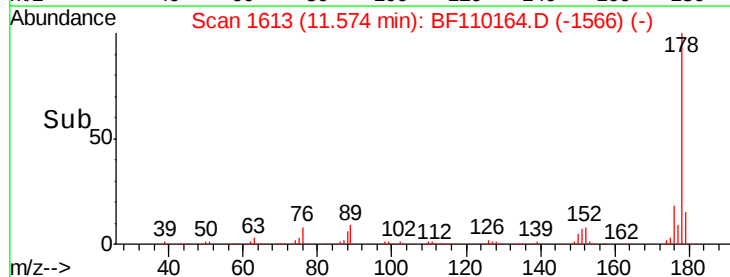
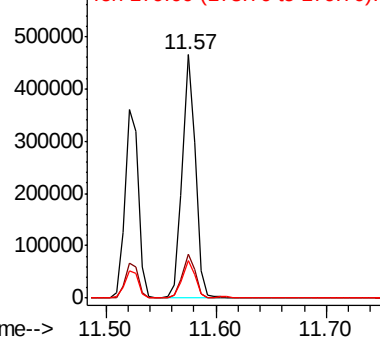


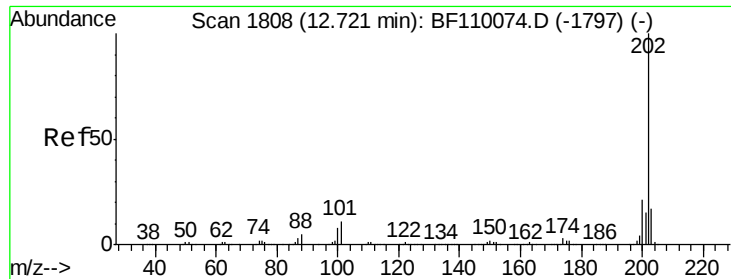
#72
Anthracene
Concen: 14.194 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:178 Resp: 371930
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.3 12.6 18.8



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

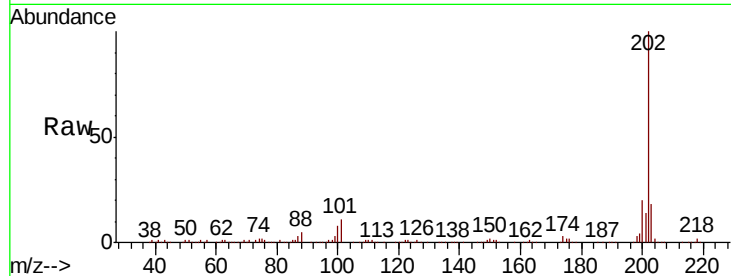




#75
 Fluoranthene
 Concen: 8.841 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF110164.D
 Acq: 25 Oct 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.8	0.0	37.7

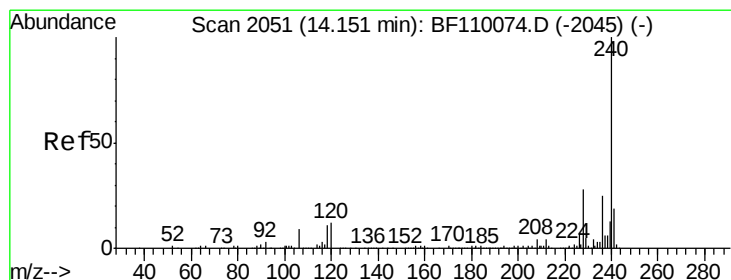
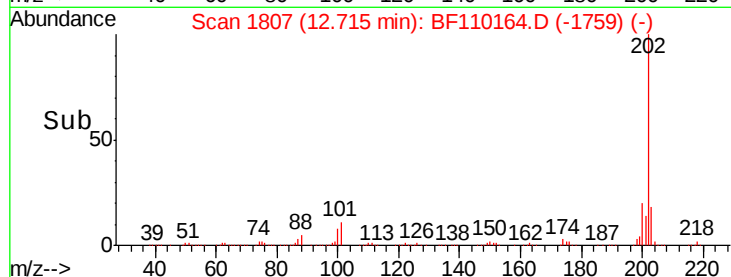
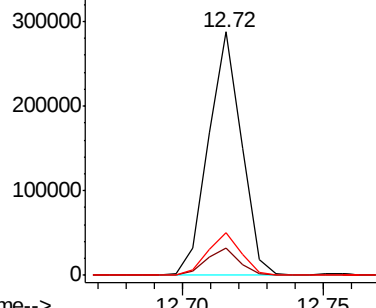


Abundance

Ion 202.00 (201.70 to 202.70): E

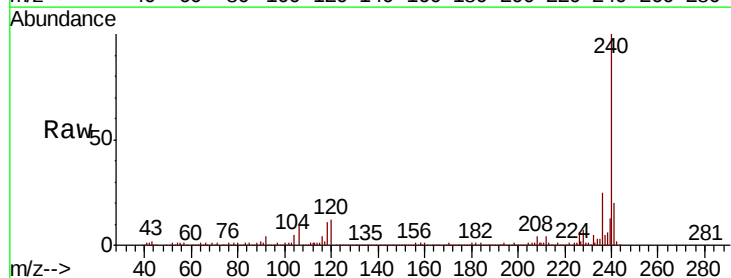
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110164.D
 Acq: 25 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	25.4	21.2	31.8

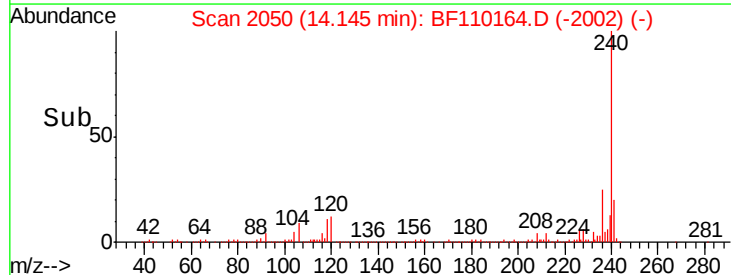
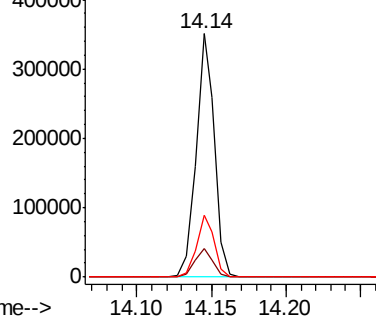


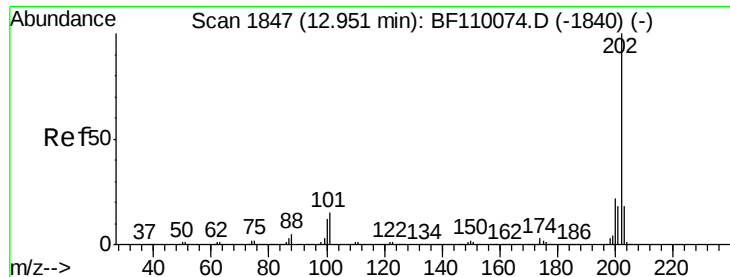
Abundance

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: 12.600 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Instrument :

BNA_F

ClientSampleId :

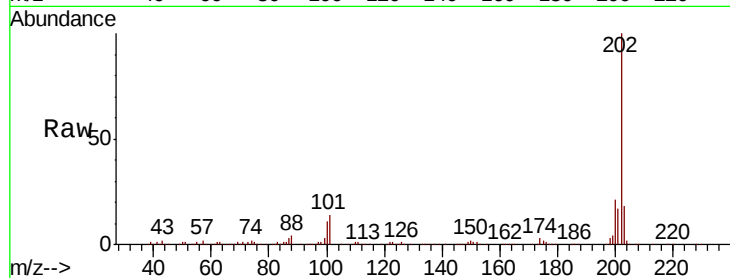
Tot Ion:202 Resp: 273810

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.6

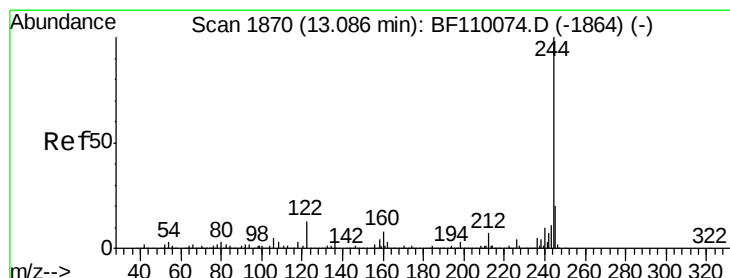
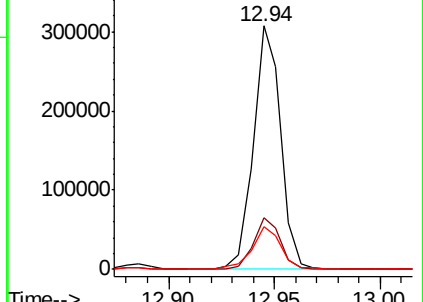
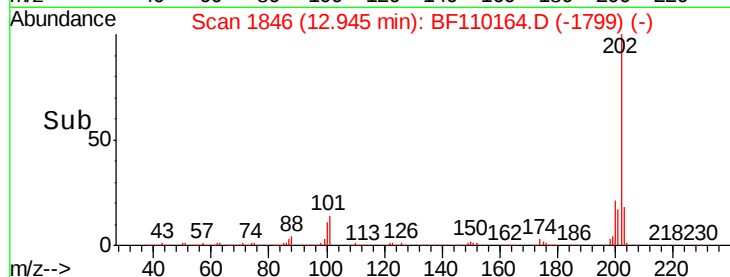
203 17.7 14.2 21.4



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: 73.105 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

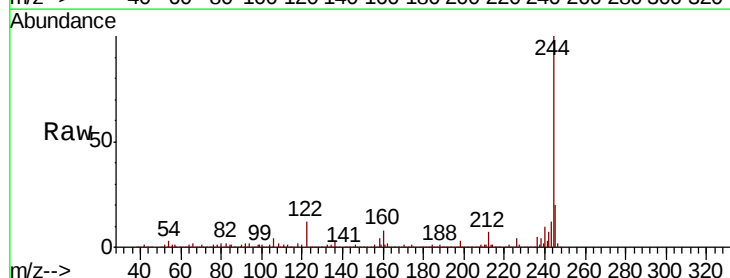
Tgt Ion:244 Resp: 1065490

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

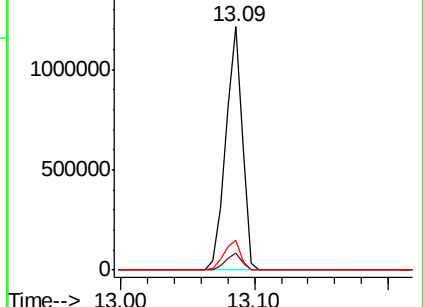
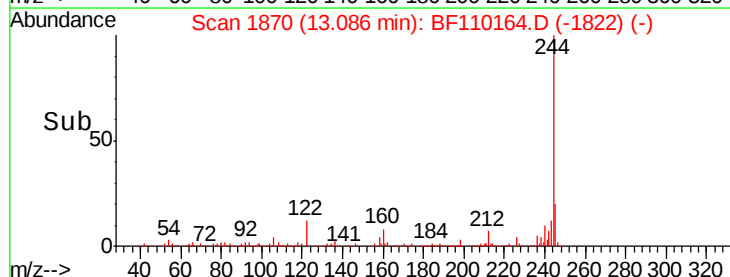
122 12.3 8.7 13.1

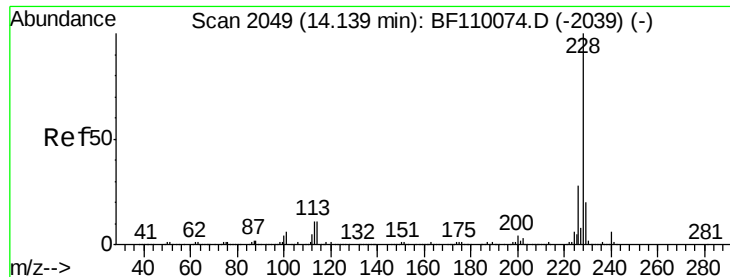


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

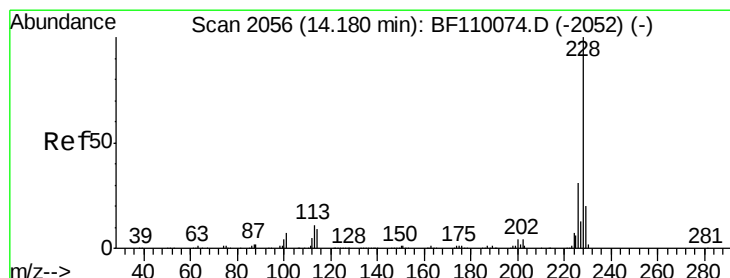
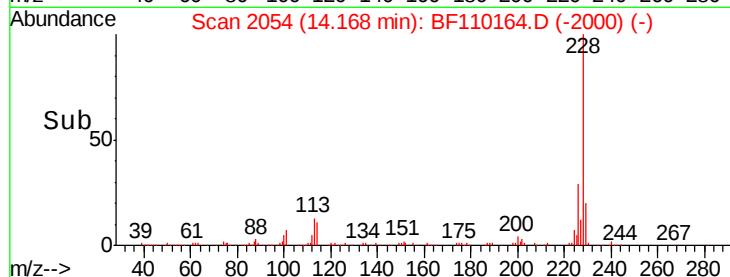
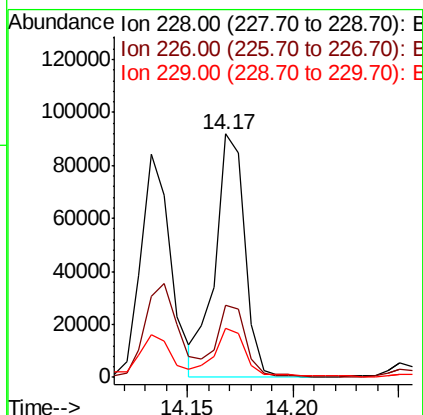
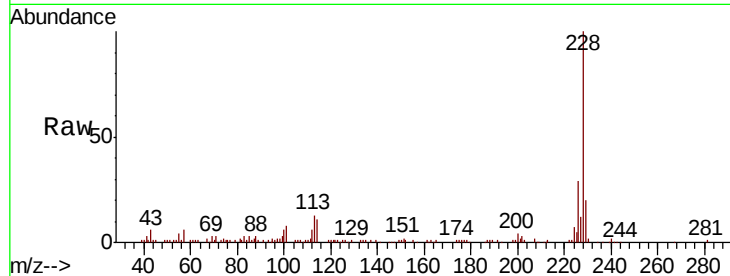




#81
Benzo(a)anthracene
Concen: 5.038 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

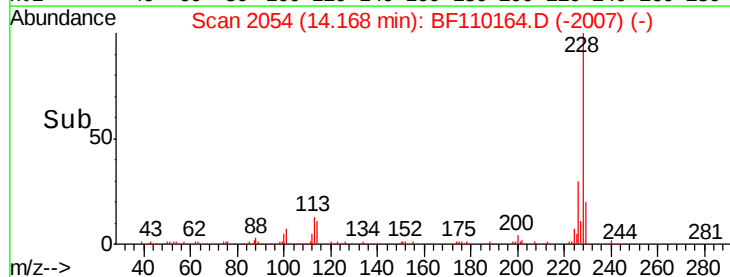
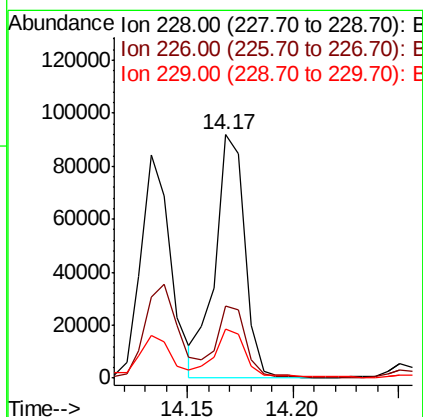
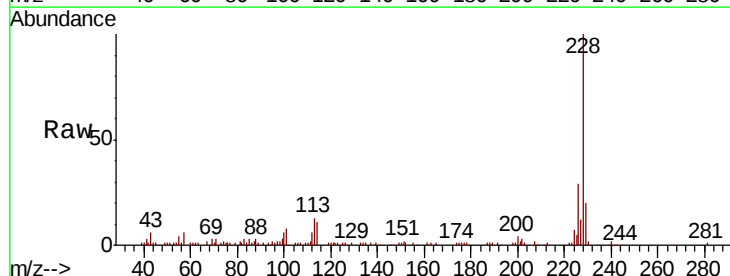
Instrument :
BNA_F
ClientSampleId :

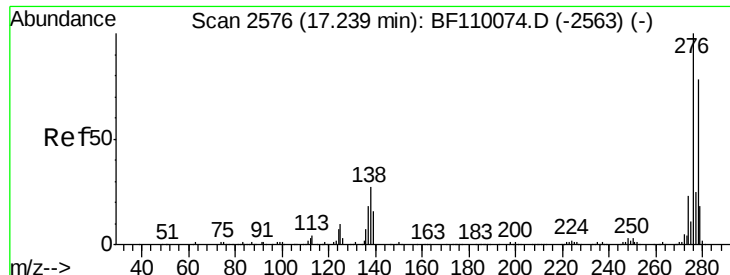
Tot Ion:228 Resp: 90559
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 20.4 15.6 23.4



#83
Chrysene
Concen: 5.304 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:228 Resp: 90559
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 20.4 15.9 23.9

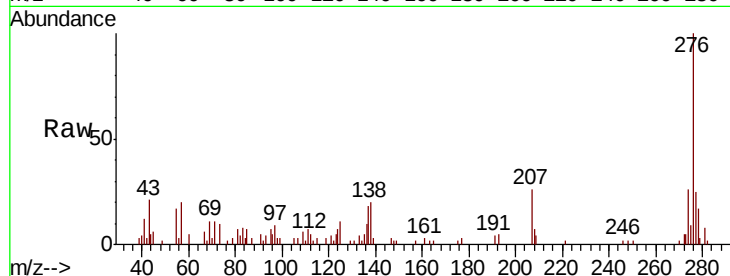




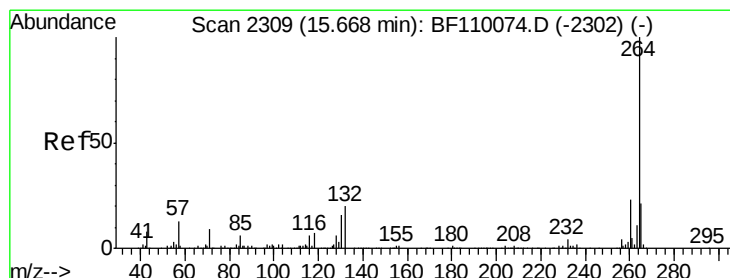
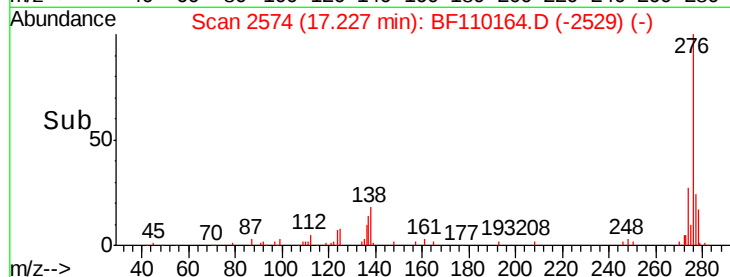
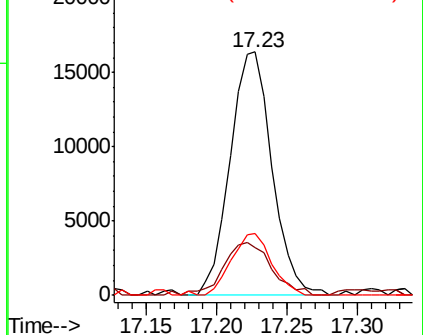
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.402 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 34014
Ion Ratio Lower Upper
276 100
138 24.9 18.5 27.7
277 24.1 20.0 30.0

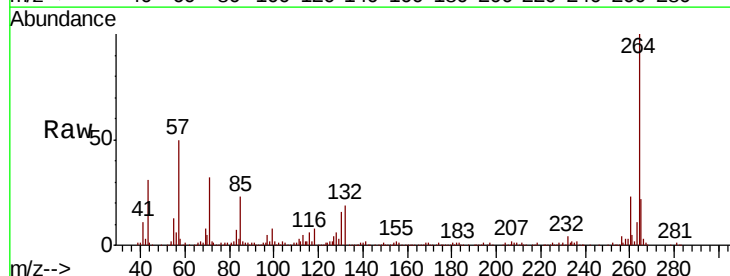


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

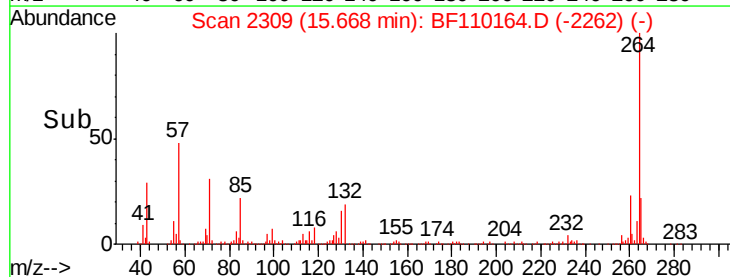
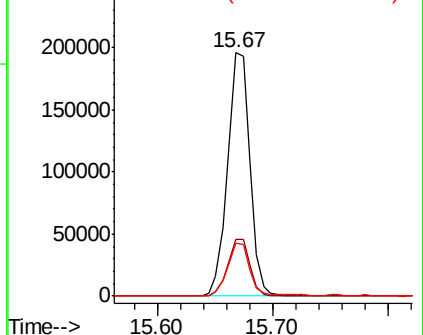


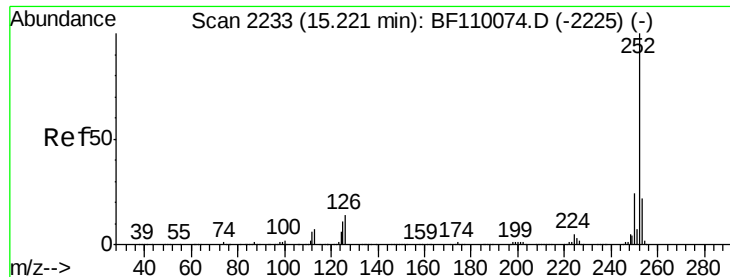
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion:264 Resp: 263042
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.5 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.983 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110164.D

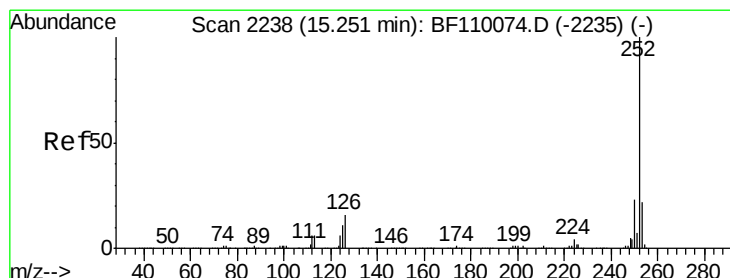
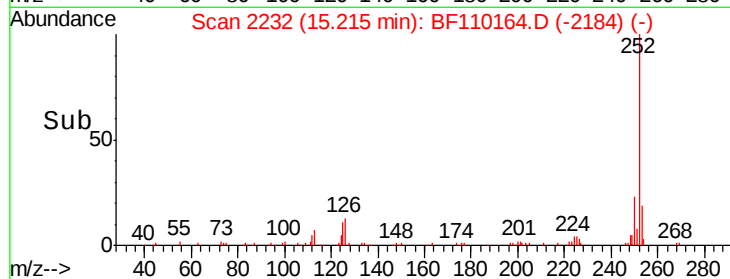
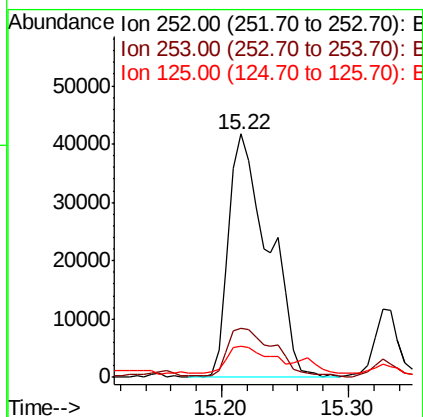
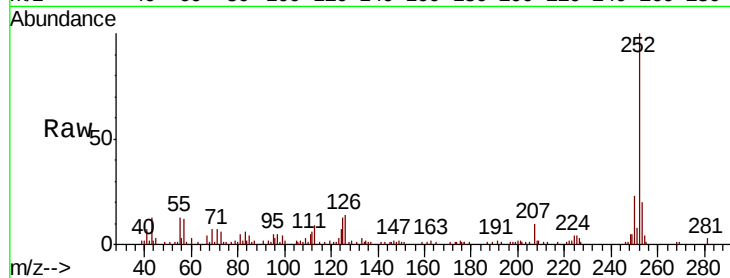
Acq: 25 Oct 2018 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	90874
Ion Ratio	Lower	Upper
252	100	
253	20.2	17.2 25.8
125	12.8	8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 6.085 ng

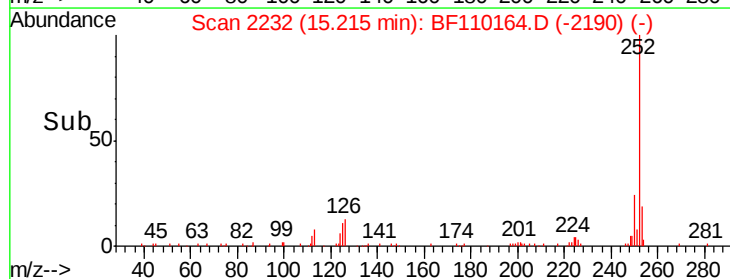
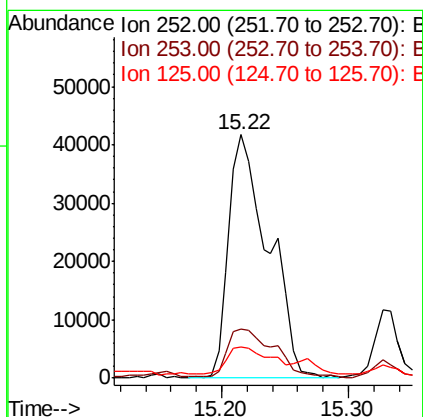
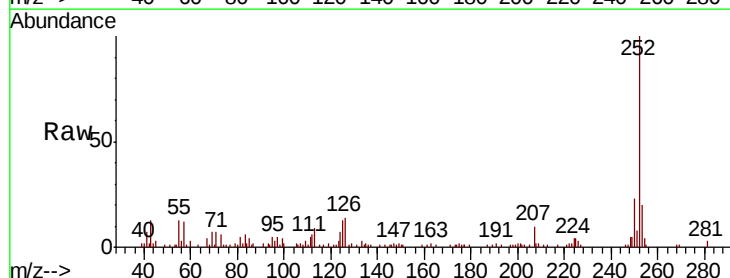
RT: 15.22 min Scan# 2232

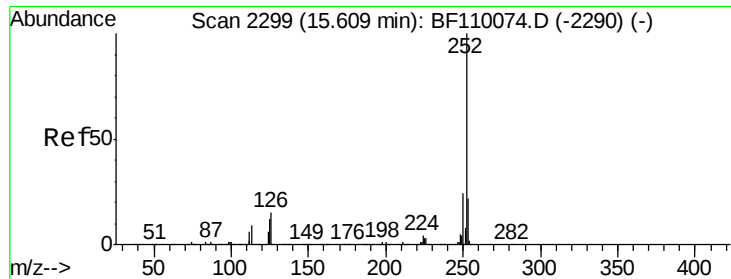
Delta R.T. -0.05 min

Lab File: BF110164.D

Acq: 25 Oct 2018 17:00

Tgt Ion:252	Resp:	90874
Ion Ratio	Lower	Upper
252	100	
253	20.2	17.2 25.8
125	12.8	7.4 11.0#

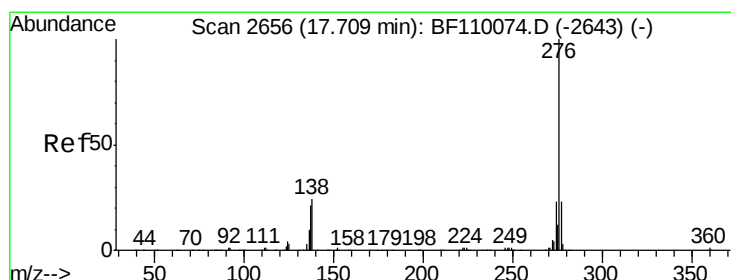
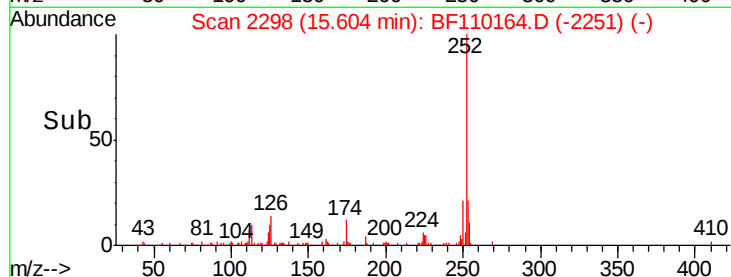
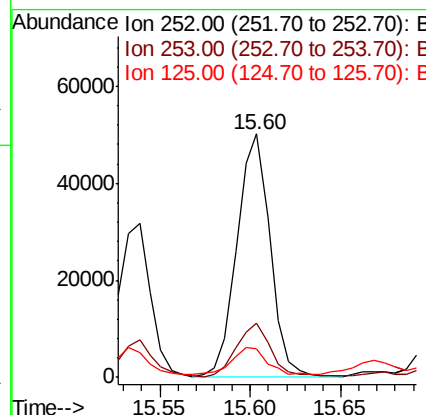
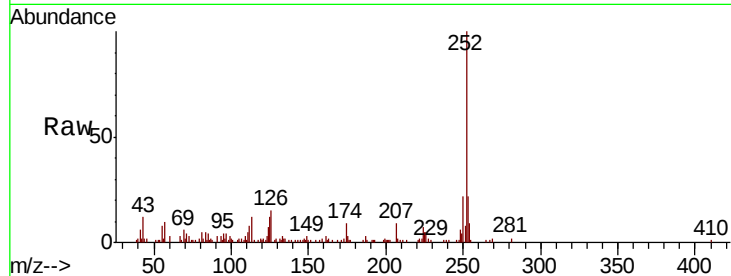




#90
Benzo(a)pyrene
Concen: 4.592 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	11.7	9.0	13.6



#92
Benzo(g,h,i)perylene
Concen: 2.955 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.04 min
Lab File: BF110164.D
Acq: 25 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	24.3	16.0	24.0

