

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110278.D
 Acq On : 29 Oct 2018 22:39
 Operator : JU/SJ
 Sample : J5685-05 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:05:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	110389	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	440043	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	182739	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	267923	20.00	ng	0.00
76) Chrysene-d12	14.16	240	195491	20.00	ng	0.00
87) Perylene-d12	15.69	264	143218	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	134658	19.86	ng	0.00
7) Phenol-d6	6.58	99	176258	20.33	ng	-0.01
23) Nitrobenzene-d5	7.53	82	102225	13.78	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	28362	15.67	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	209884	18.04	ng	0.00
79) Terphenyl-d14	13.09	244	134252	14.28	ng	0.00

Target Compounds

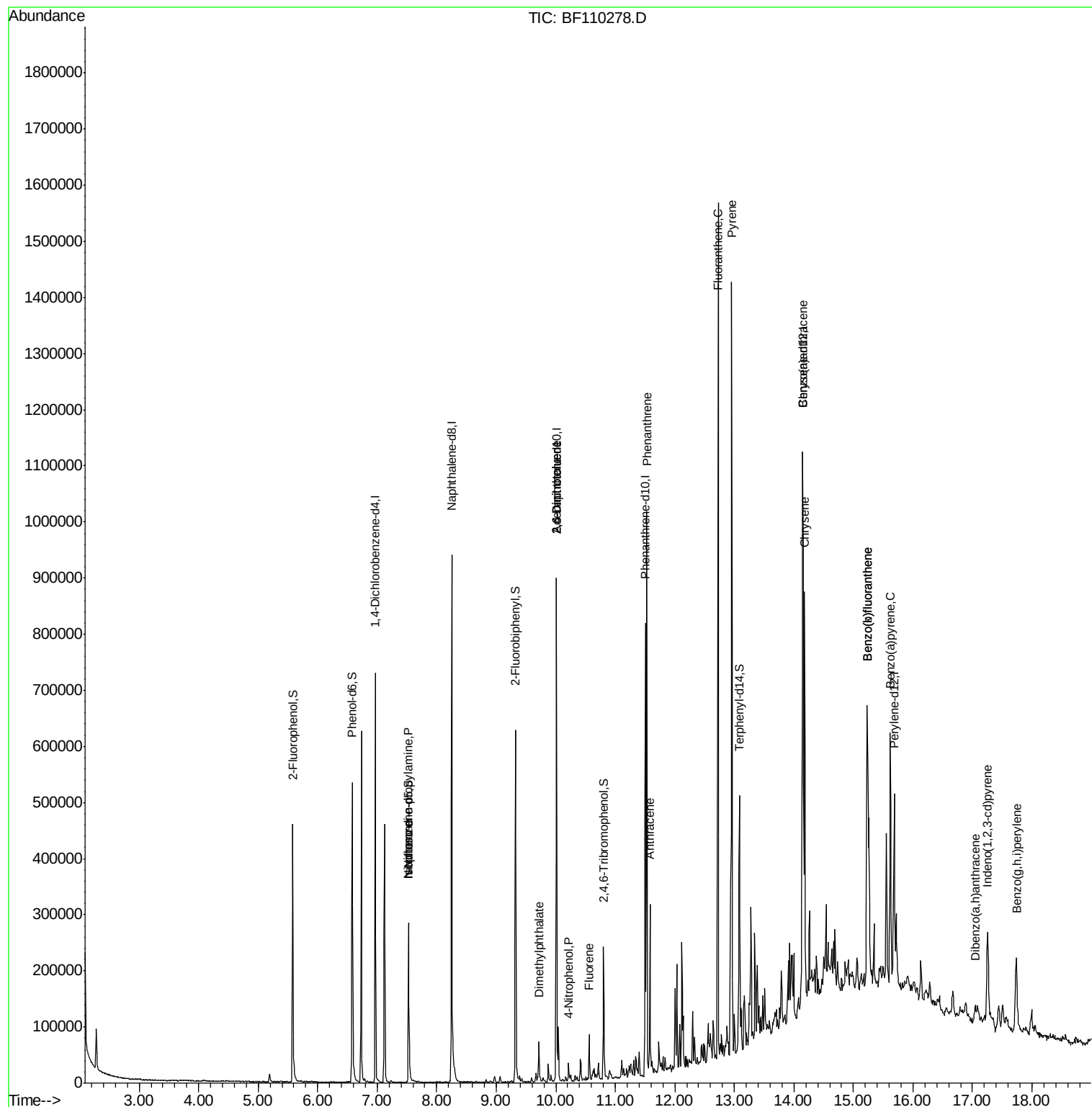
						Qvalue
9) Benzaldehyde	6.59	77	131	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	13624	2.449 ng	#	82
25) Isophorone	7.53	82	102224	8.083 ng	#	67
50) Dimethylphthalate	9.72	163	31814	2.358 ng		98
51) 2,6-Dinitrotoluene	10.01	165	23494	8.086 ng	#	23
56) 4-Nitrophenol	10.22	139	5235	2.047 ng	#	6
57) 2,4-Dinitrotoluene	10.01	165	23490	6.365 ng	#	19
58) Fluorene	10.56	166	26231	2.173 ng		93
71) Phenanthrene	11.53	178	342568	24.436 ng		99
72) Anthracene	11.58	178	124598	8.867 ng		98
75) Fluoranthene	12.73	202	636179	44.714 ng		97
77) Benzidine	13.09	184	2186	Below Cal	#	81
78) Pyrene	12.96	202	565581	40.355 ng		98
81) Benzo(a)anthracene	14.14	228	323762	27.927 ng		98
83) Chrysene	14.18	228	251747	22.863 ng		97
86) Indeno(1,2,3-cd)pyrene	17.25	276	110585	12.106 ng		99
88) Benzo(b)fluoranthene	15.23	252	396152	47.900 ng		96
89) Benzo(k)fluoranthene	15.23	252	396148	48.723 ng	#	96
90) Benzo(a)pyrene	15.62	252	203206	26.702 ng		99
91) Dibenzo(a,h)anthracene	17.06	278	21014	3.200 ng		93
92) Benzo(g,h,i)perylene	17.74	276	103928	16.062 ng		98

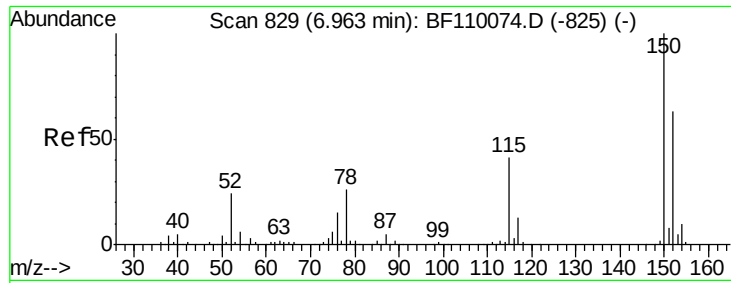
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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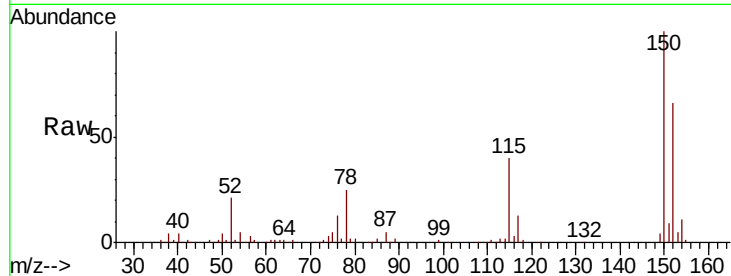


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.7	184.1
115	60.9	49.1	73.7

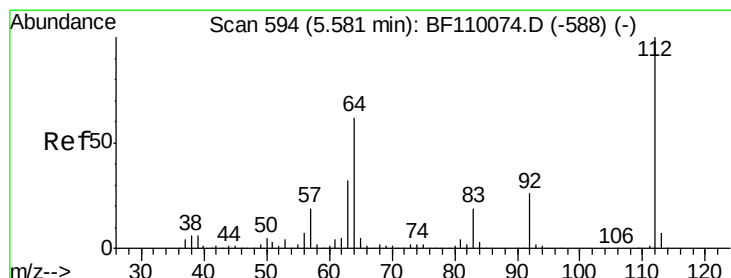
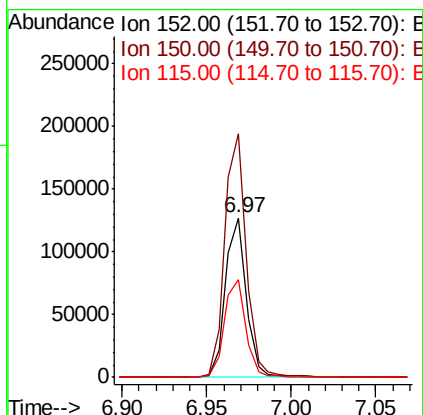
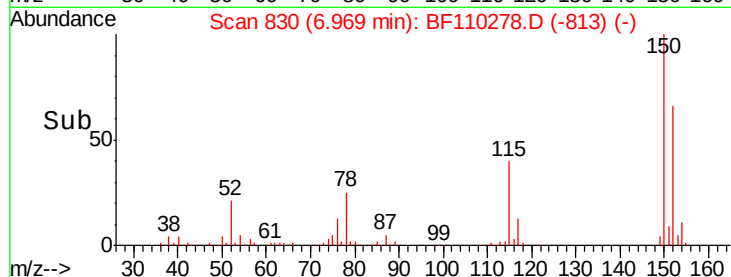


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

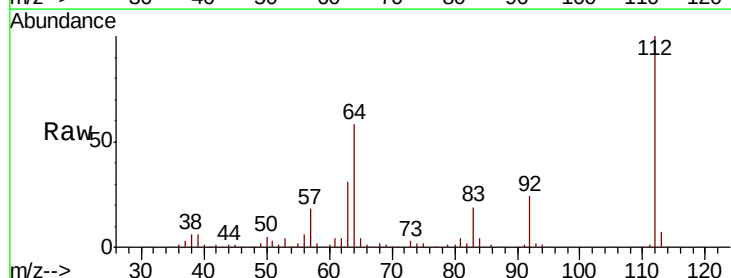
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.865 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	31.4	23.7	35.5

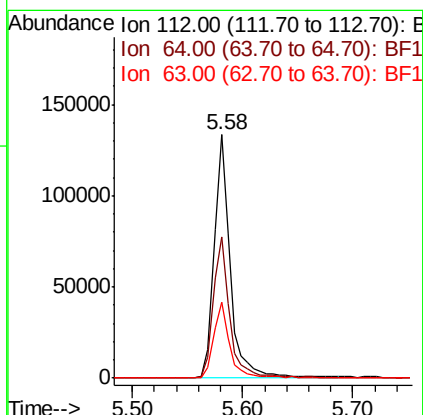
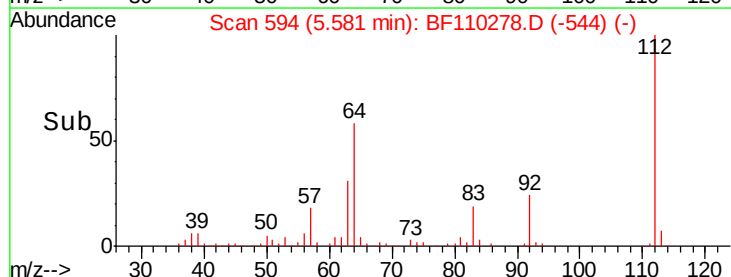


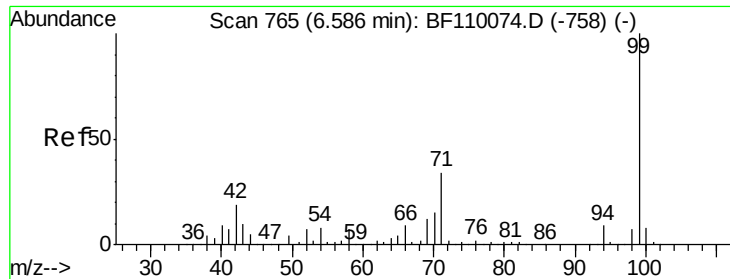
Abundance

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: 20.328 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Instrument :

BNA_F

ClientSampleId :

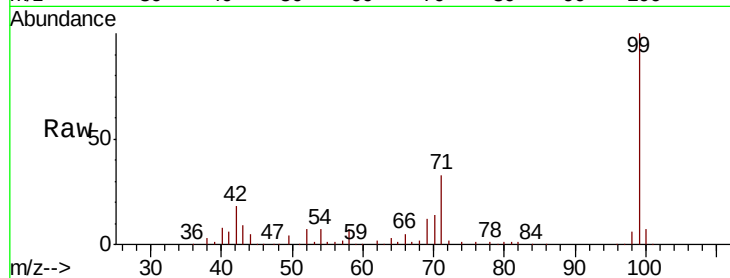
Tot Ion: 99 Resp: 176258

Ion Ratio Lower Upper

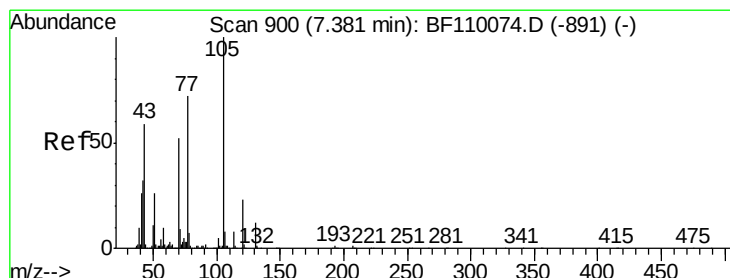
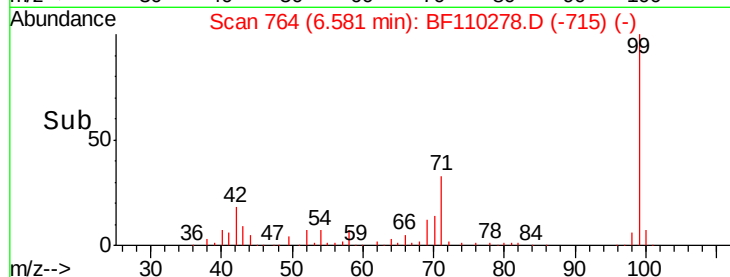
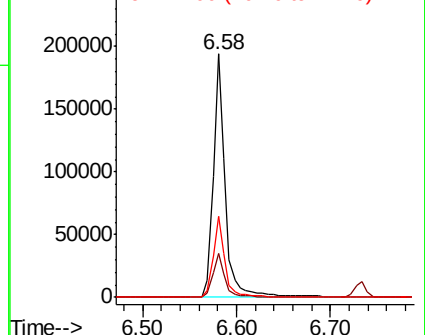
99 100

42 18.1 15.8 23.6

71 33.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.449 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Tgt Ion: 70 Resp: 13624

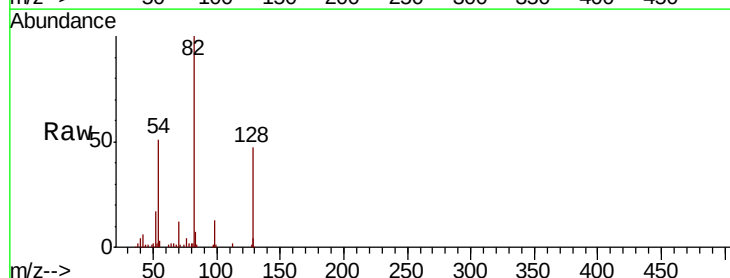
Ion Ratio Lower Upper

70 100

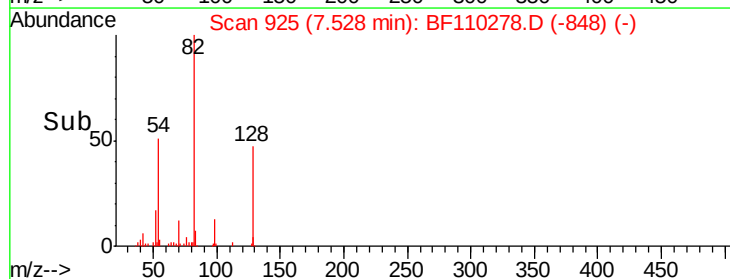
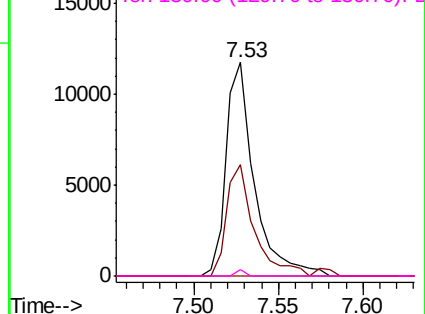
42 51.9 47.4 71.2

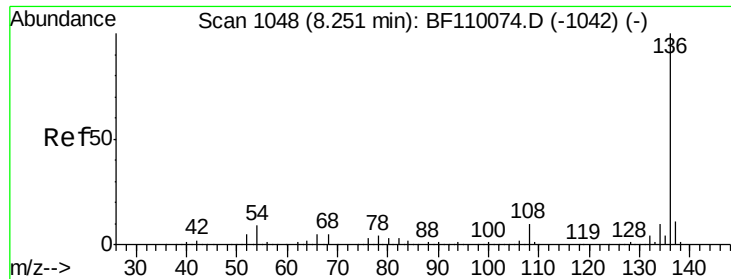
101 0.0 7.3 10.9#

130 2.8 16.2 24.2#



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

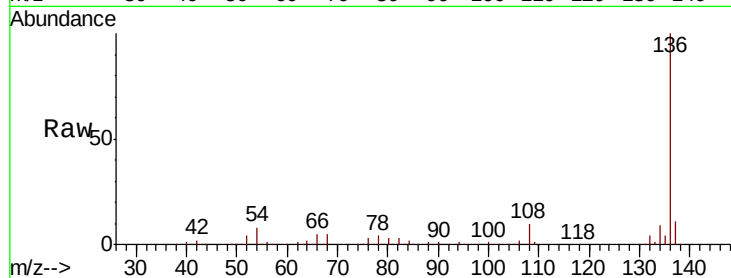




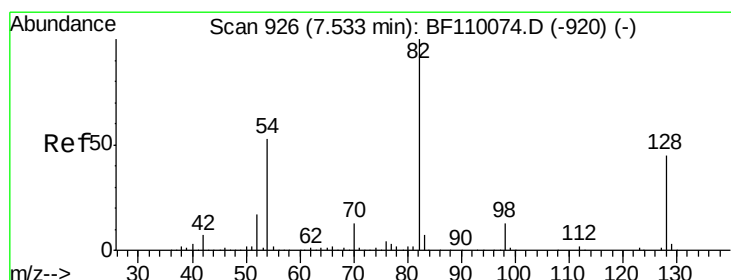
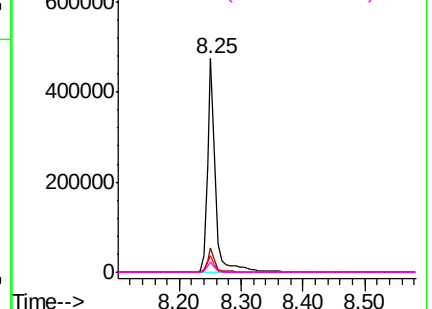
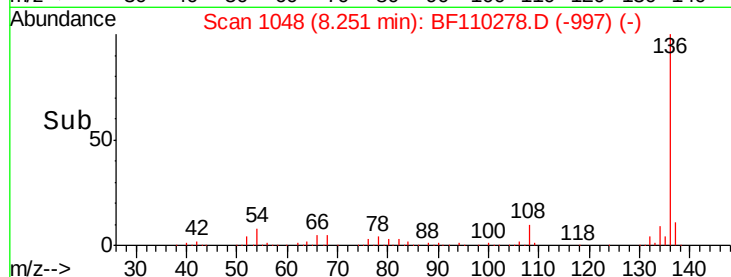
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 440043
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.7 5.4 8.2
68 5.1 4.2 6.2

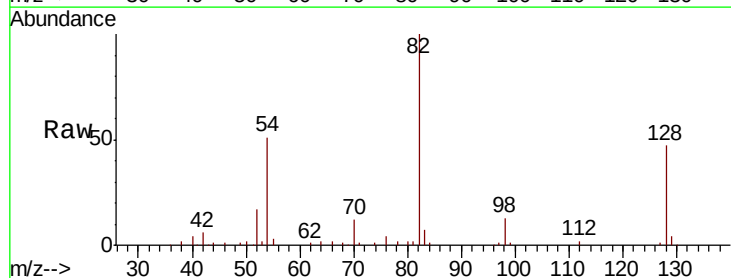


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

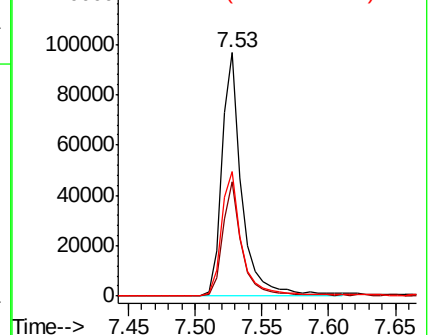
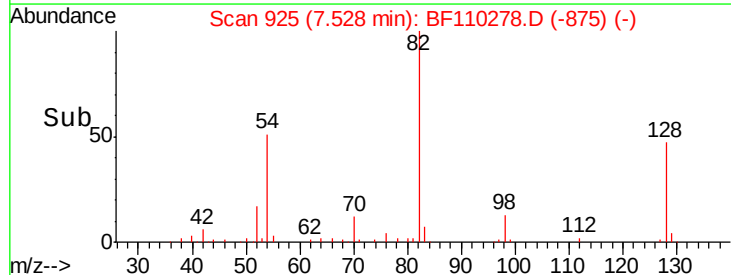


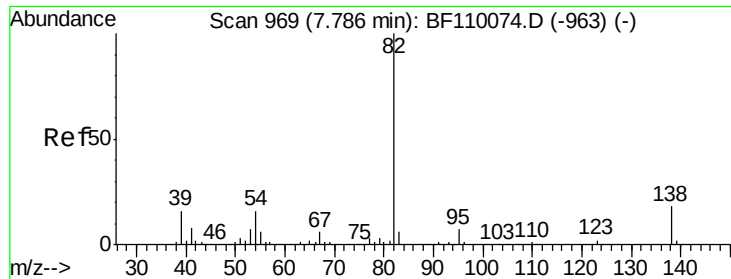
#23
Nitrobenzene-d5
Concen: 13.779 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Tgt Ion: 82 Resp: 102225
Ion Ratio Lower Upper
82 100
128 46.8 34.2 51.2
54 51.4 38.6 58.0



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: 8.083 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Instrument :

BNA_F

ClientSampleId :

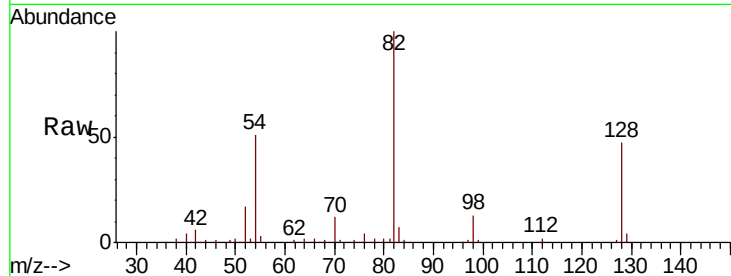
Tot Ion: 82 Resp: 102224

Ion Ratio Lower Upper

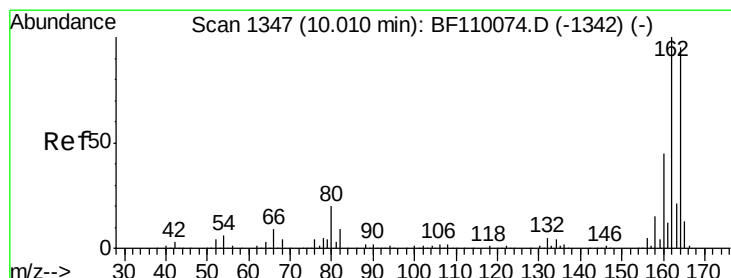
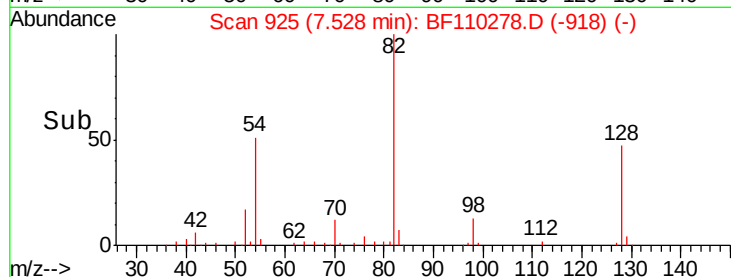
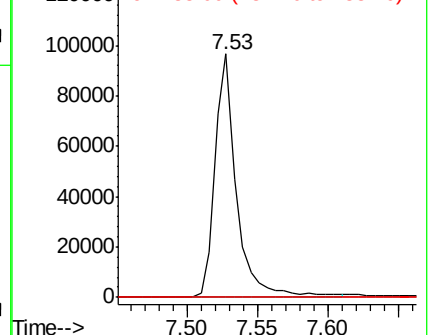
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

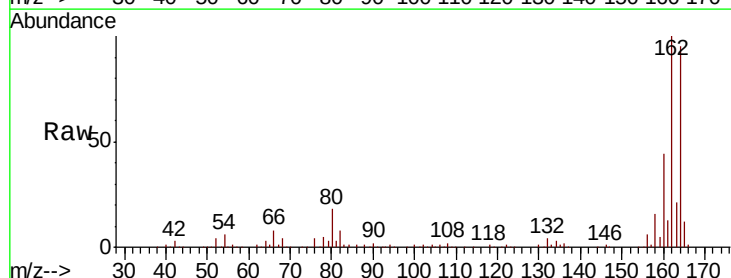
Tgt Ion: 164 Resp: 182739

Ion Ratio Lower Upper

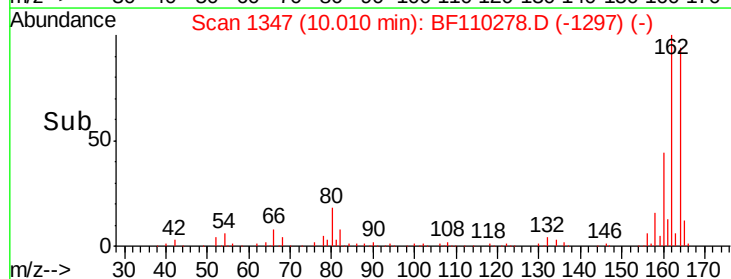
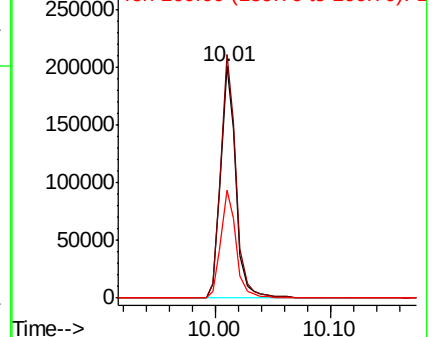
164 100

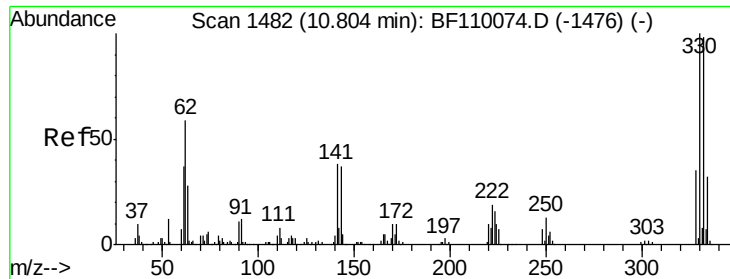
162 105.2 83.0 124.6

160 46.7 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

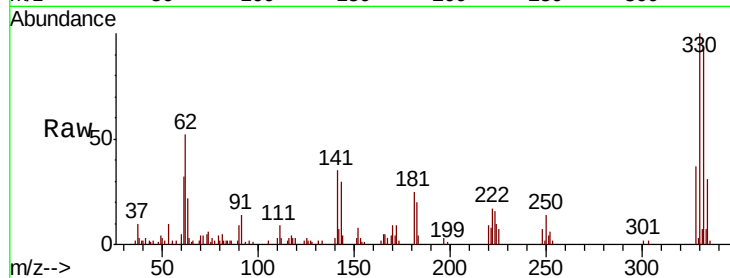




#42
 2,4,6-Tribromophenol
 Concen: 15.668 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	38.9	27.0	40.4

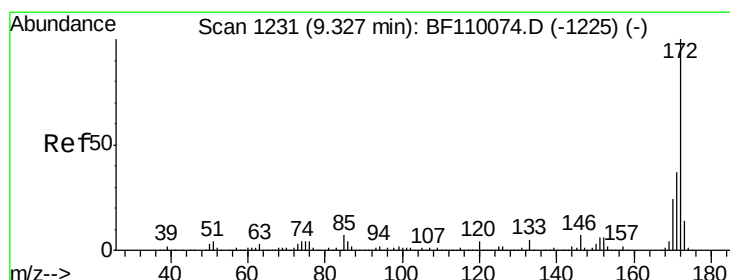
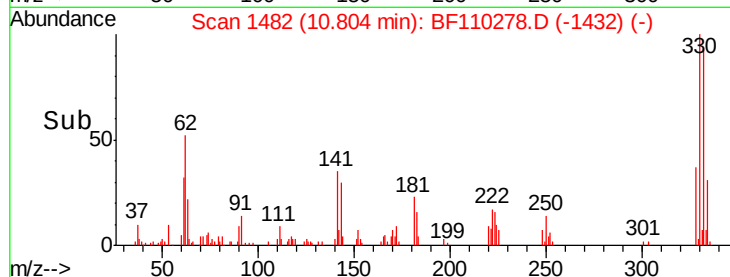
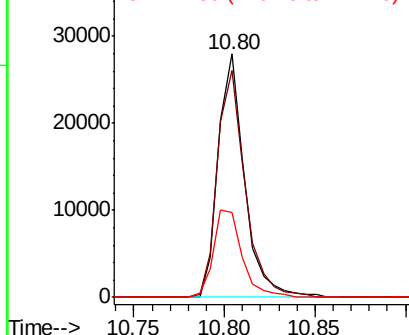


Abundance

Ion 329.80 (329.50 to 330.50): E

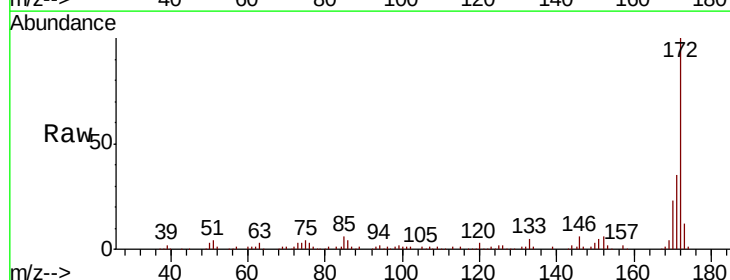
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 18.035 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.5	19.7	29.5

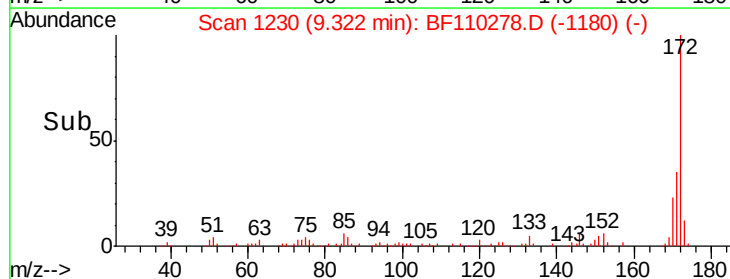
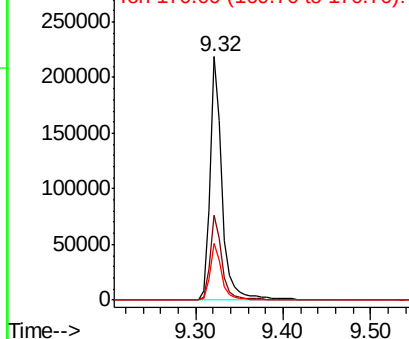


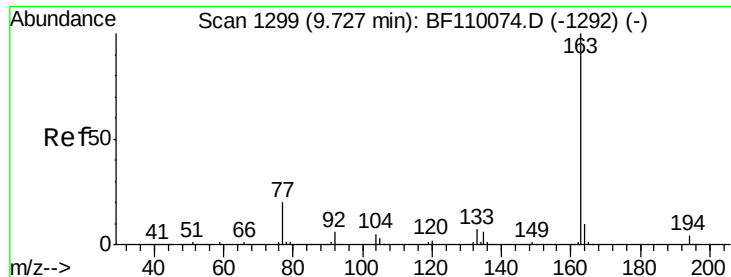
Abundance

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

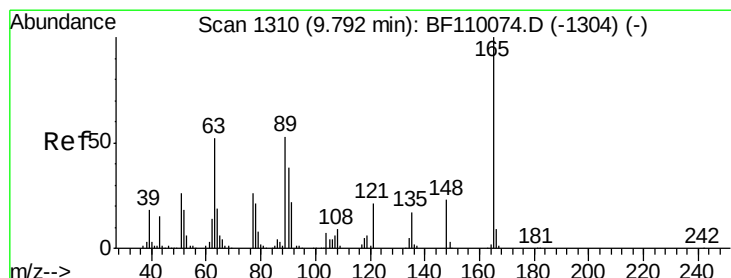
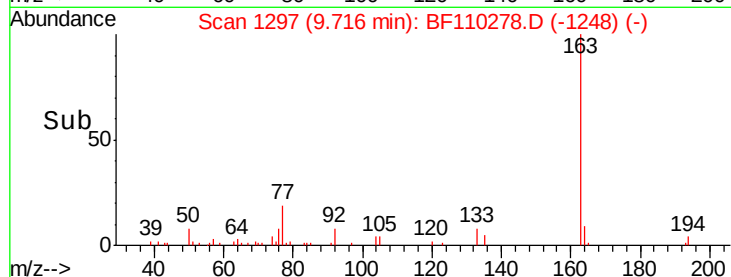
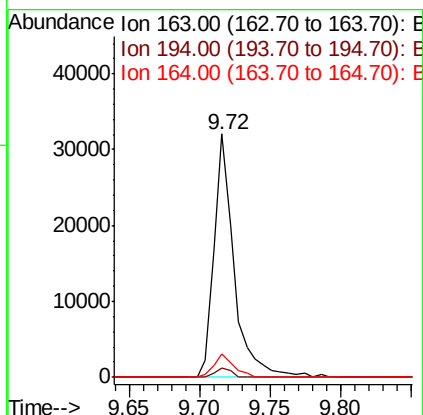
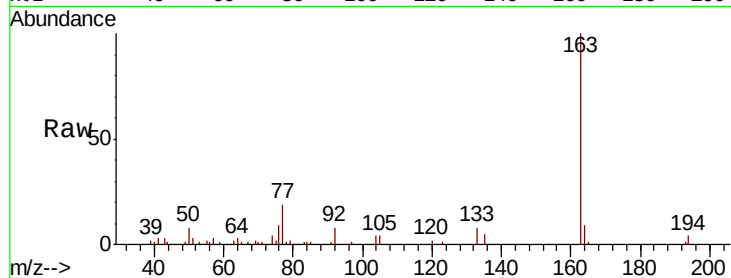




#50
Dimethylphthalate
Concen: 2.358 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

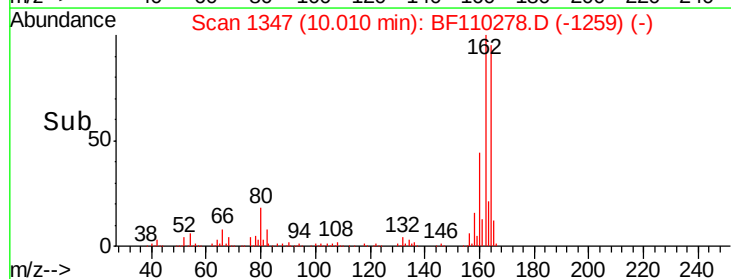
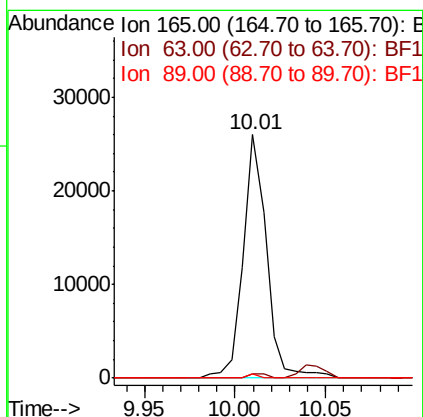
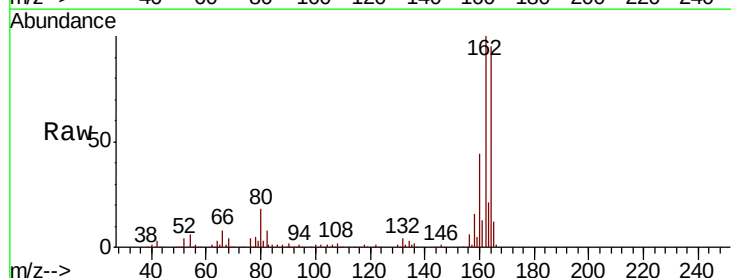
Instrument :
BNA_F
ClientSampleId :

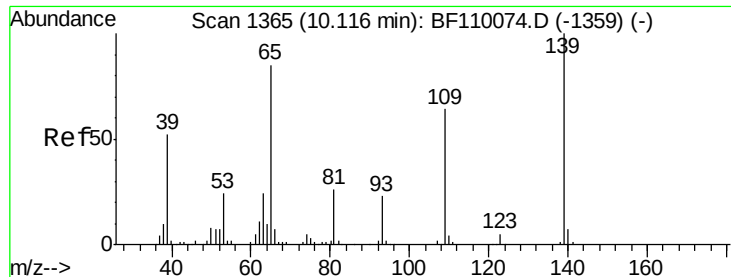
Tot Ion:163 Resp: 31814
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.4 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.086 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.22 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Tgt Ion:165 Resp: 23494
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.7 46.6 69.8#

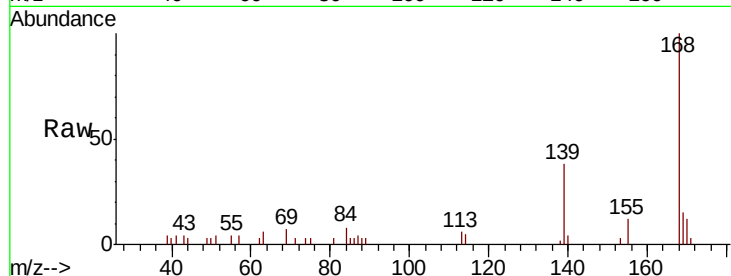




#56
4-Nitrophenol
Concen: 2.047 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.09 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#

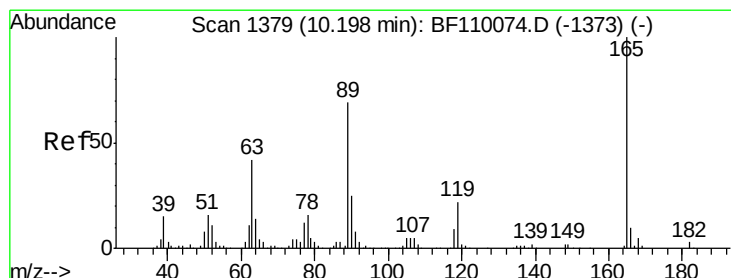
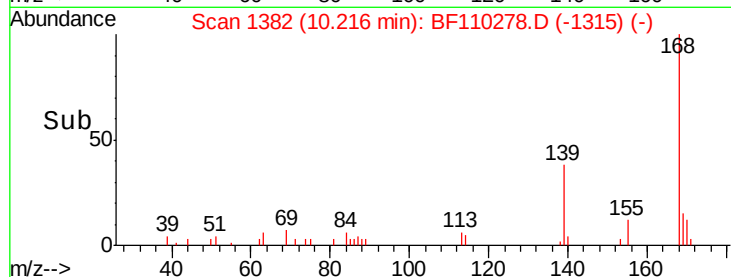
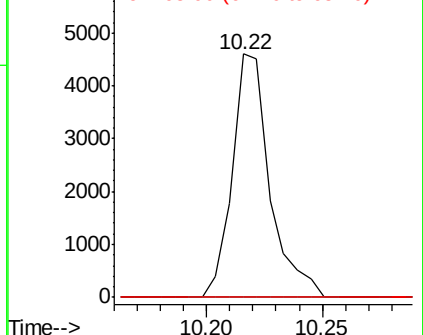


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.365 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.7	62.2	93.4#
182	0.0	2.1	3.1#

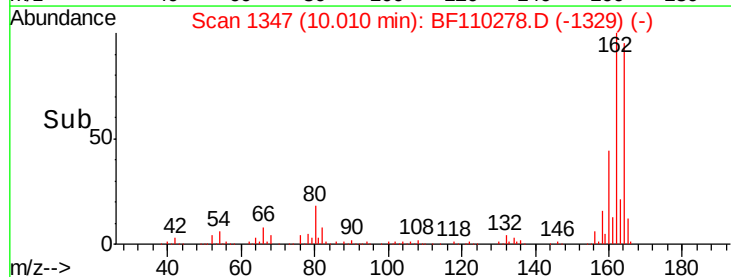
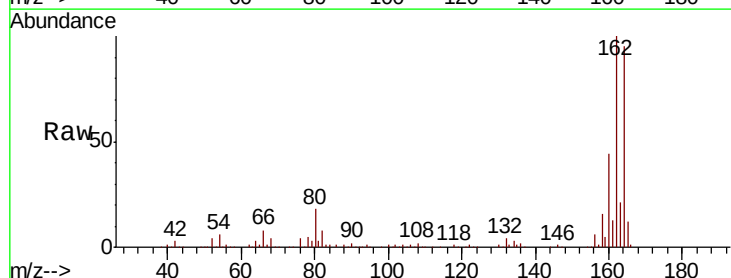
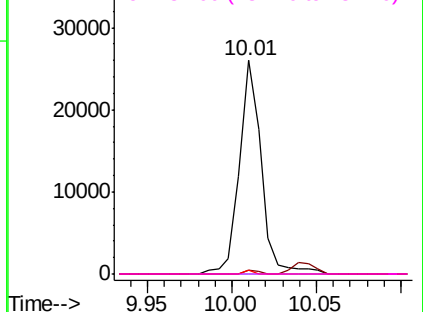
Abundance

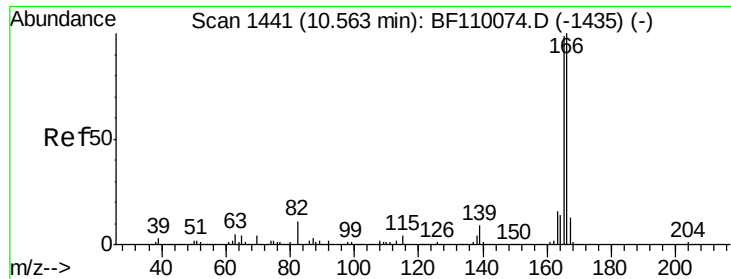
Ion 165.00 (164.70 to 165.70): E

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

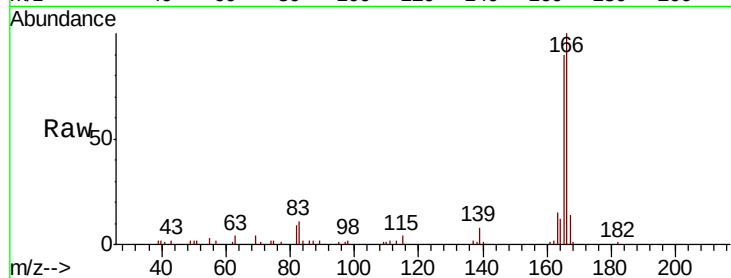




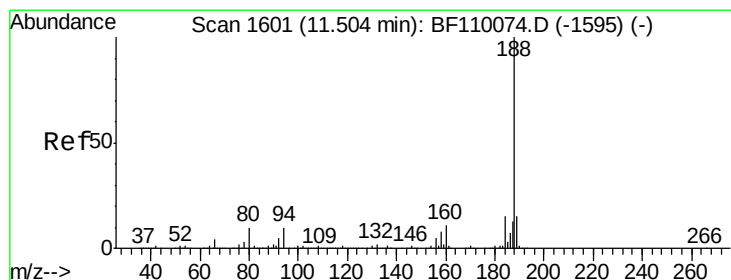
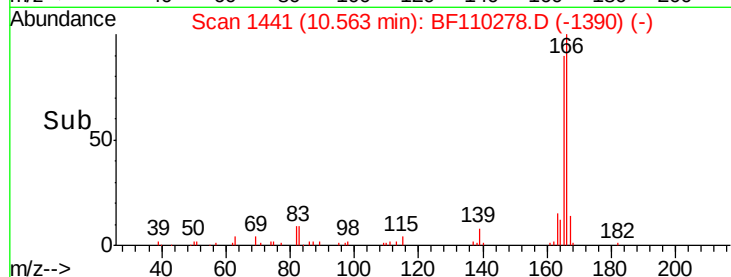
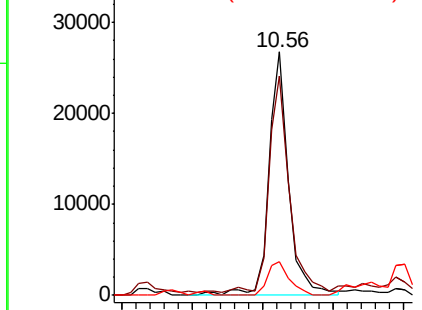
#58
 Fluorene
 Concen: 2.173 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 26231
 Ion Ratio Lower Upper
 166 100
 165 89.9 78.6 117.8
 167 13.9 10.8 16.2

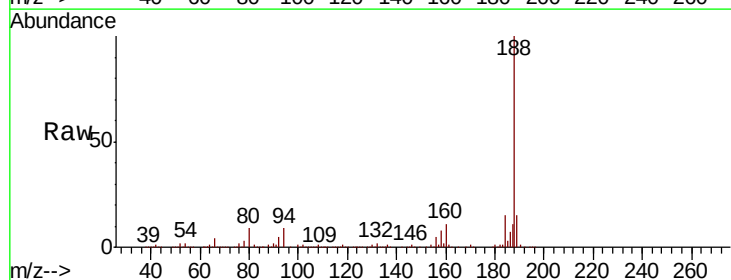


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

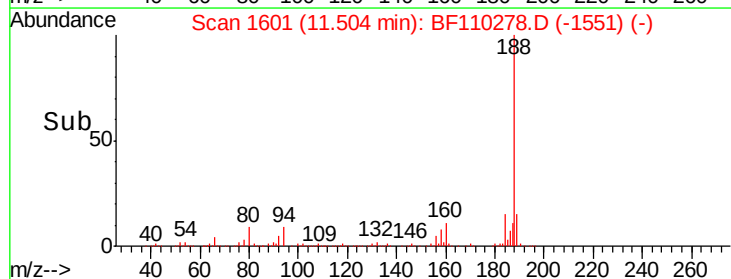
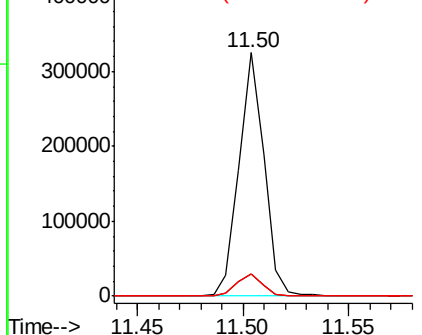


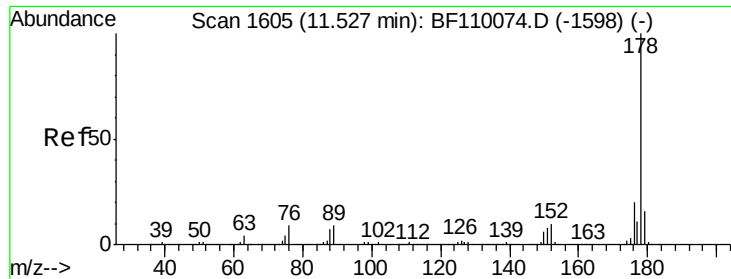
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Tgt Ion:188 Resp: 267923
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.2 10.8
 80 9.3 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



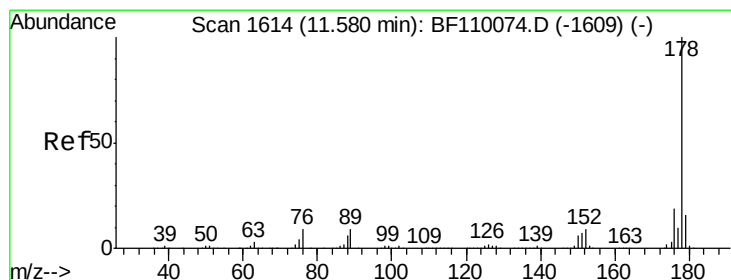
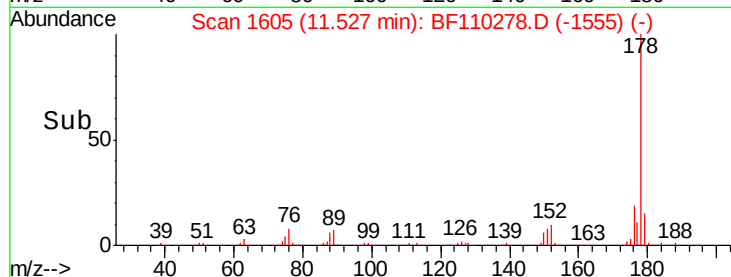
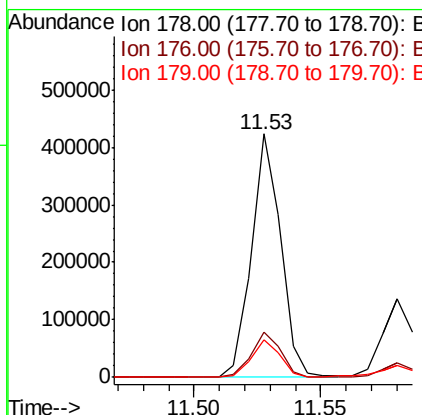
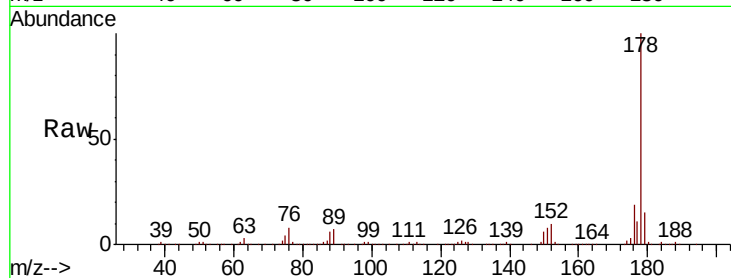


#71
 Phenanthrene
 Concen: 24.436 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 342568

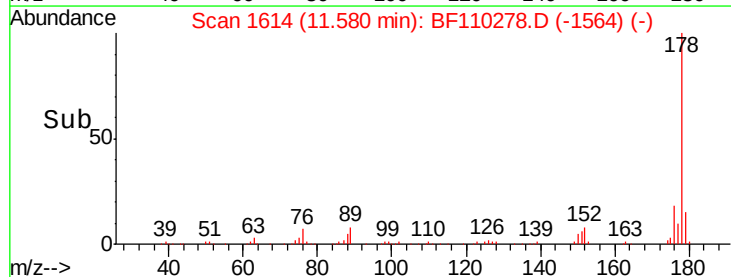
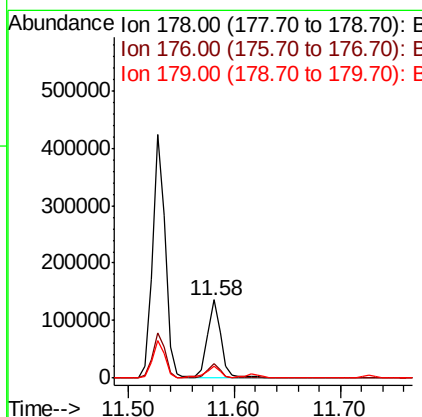
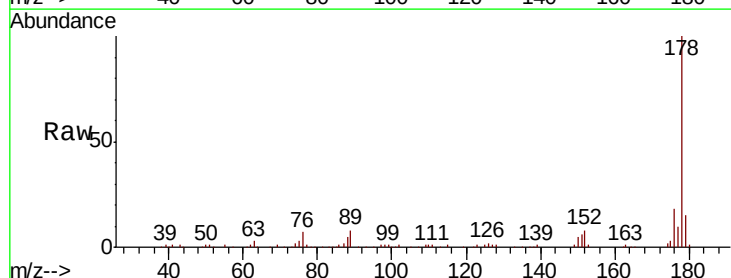
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.3	12.5	18.7

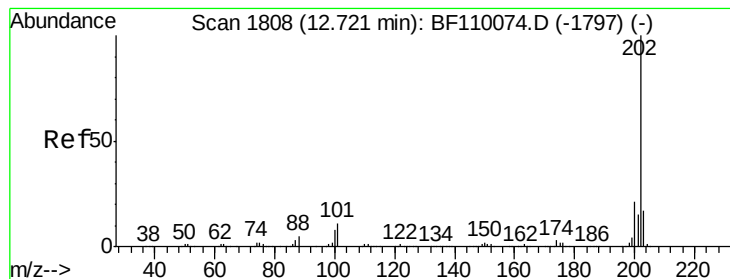


#72
 Anthracene
 Concen: 8.867 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Tgt Ion:178 Resp: 124598

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	18.8

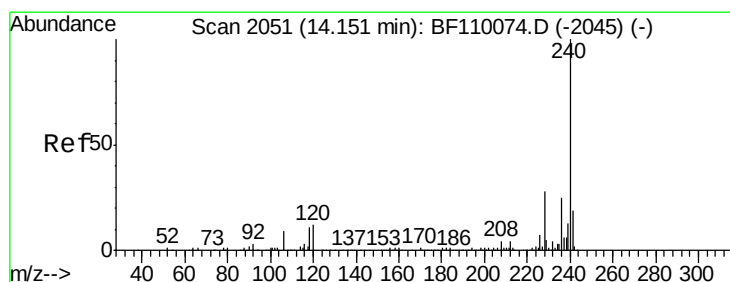
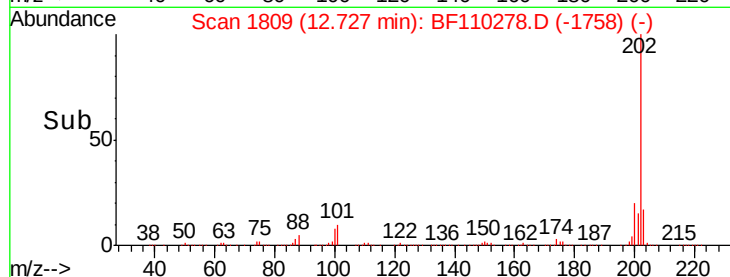
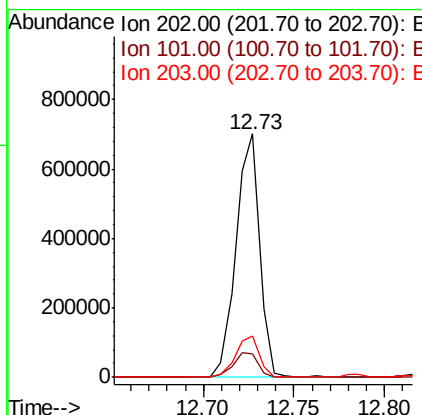
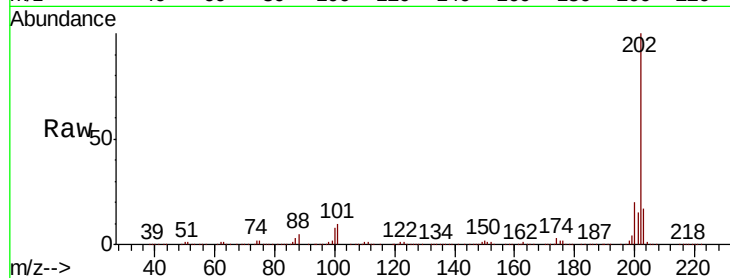




#75
 Fluoranthene
 Concen: 44.714 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

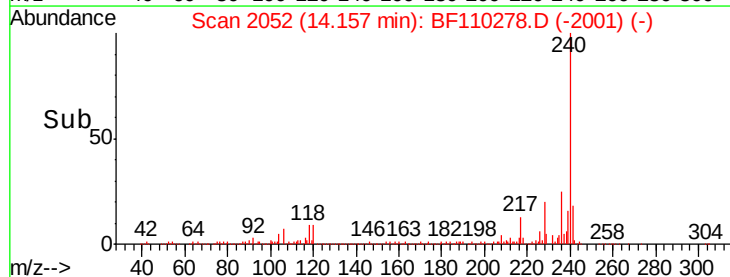
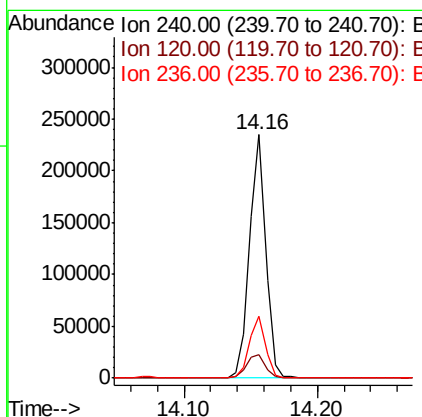
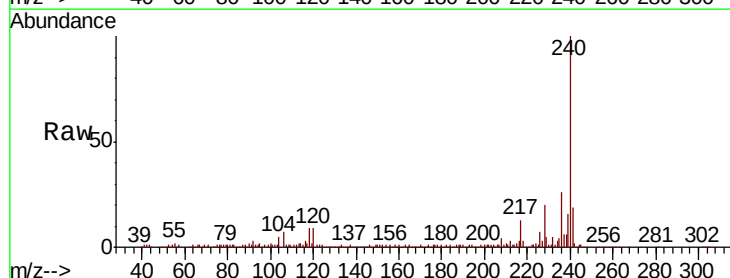
Instrument :
 BNA_F
 ClientSampled :

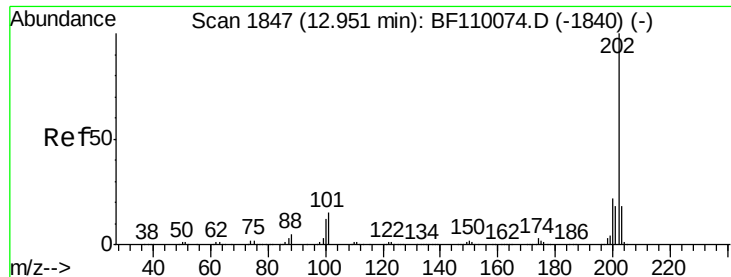
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	16.9	0.0	37.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.3	12.5
236	25.7	21.2	31.8





#78

Pvrene

Concen: 40.355 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Instrument :

BNA_F

ClientSampleId :

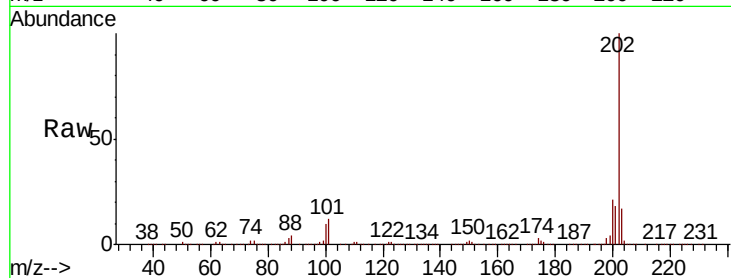
Tot Ion:202 Resp: 565581

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

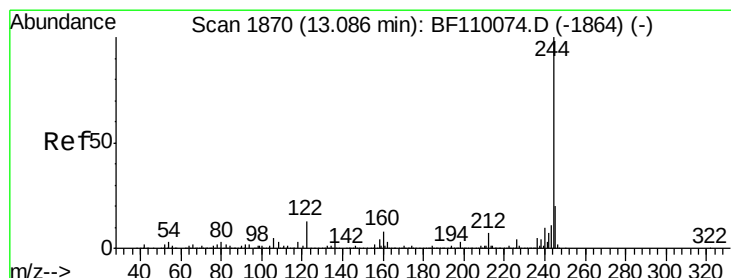
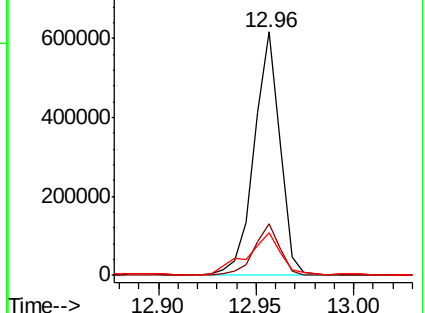
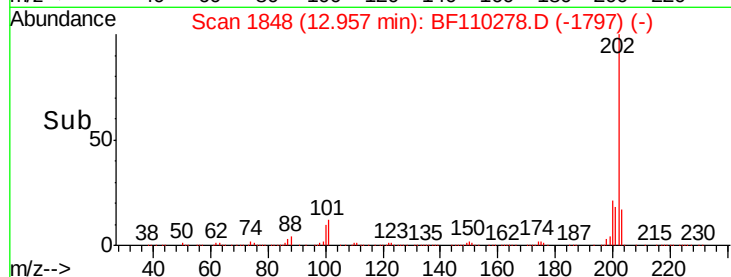
203 17.3 14.2 21.4



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: 14.282 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

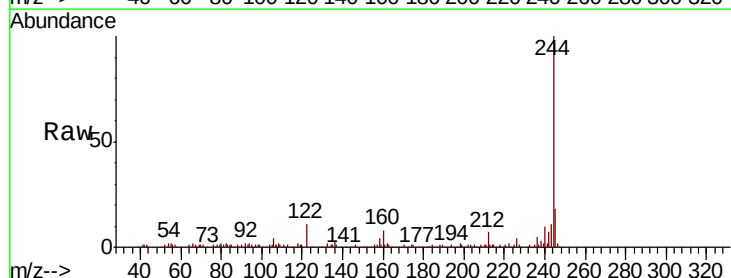
Tgt Ion:244 Resp: 134252

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

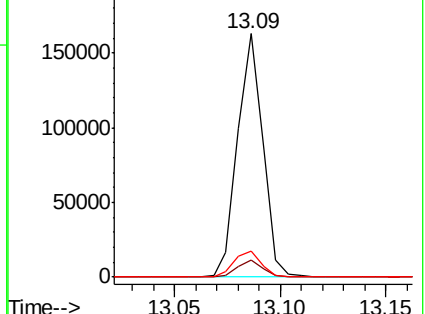
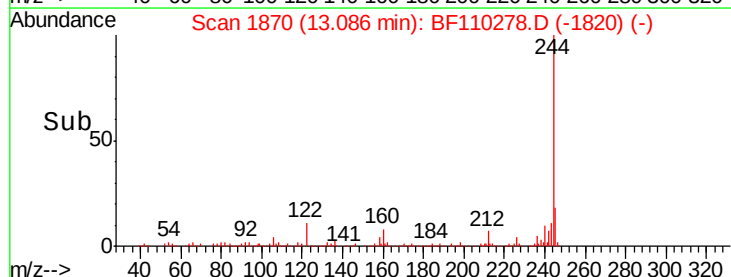
122 10.6 8.7 13.1

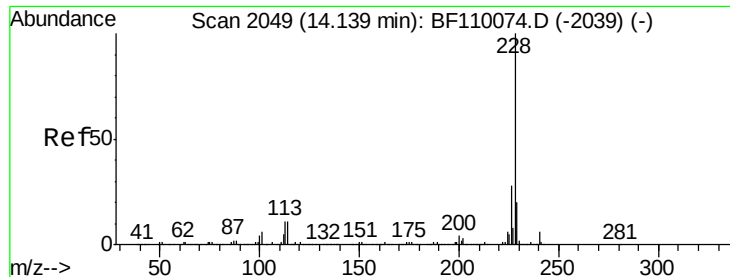


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 27.927 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Instrument :

BNA_F

ClientSampleId :

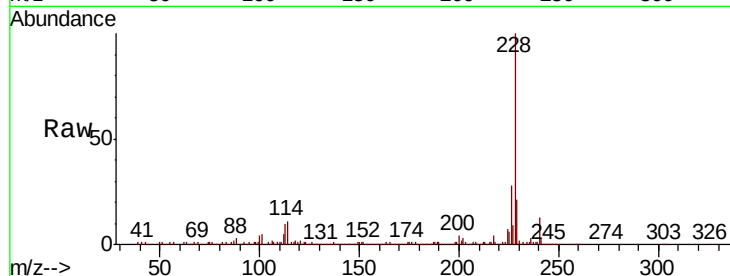
Tot Ion:228 Resp: 323762

Ion Ratio Lower Upper

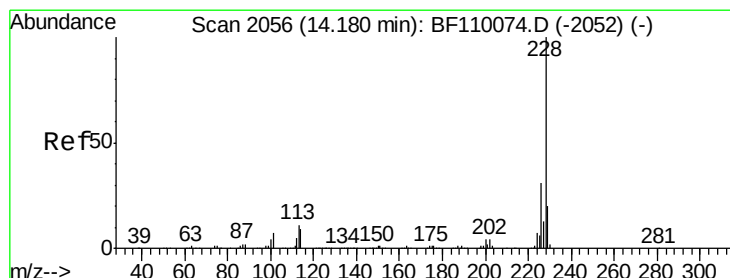
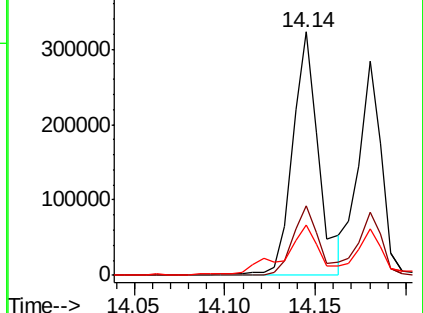
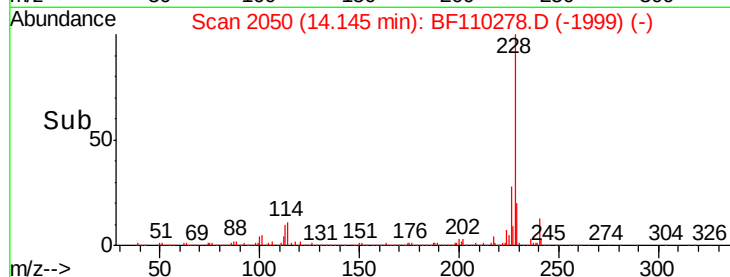
228 100

226 28.4 22.1 33.1

229 20.6 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 22.863 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

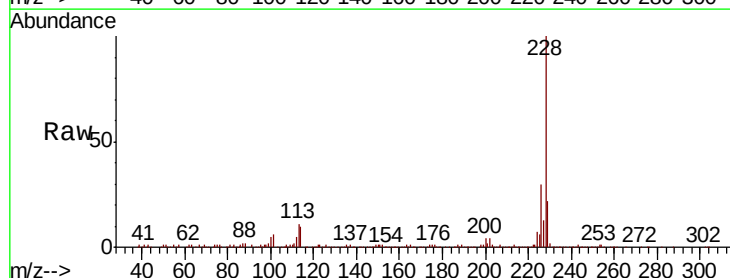
Tgt Ion:228 Resp: 251747

Ion Ratio Lower Upper

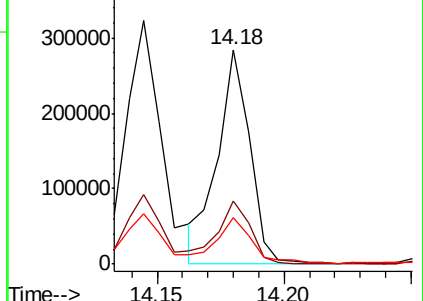
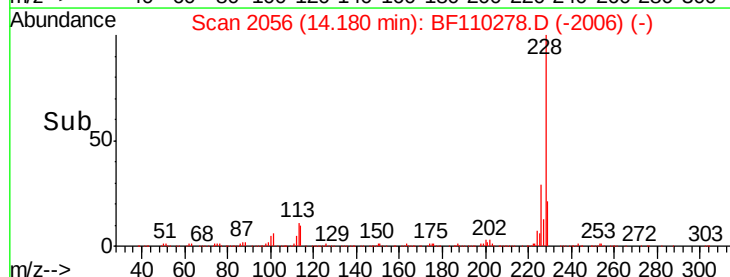
228 100

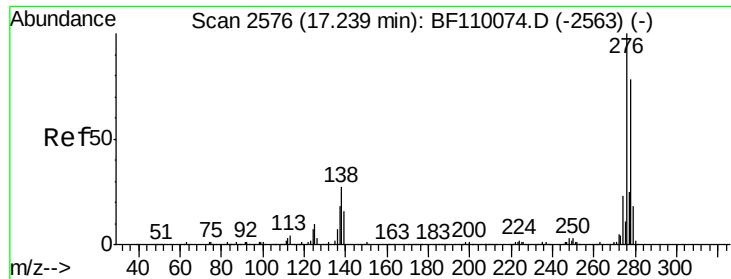
226 29.6 24.7 37.1

229 21.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

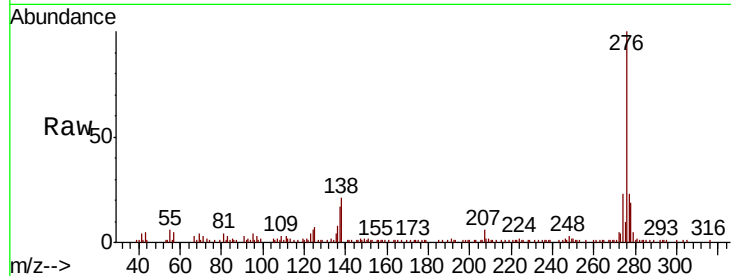




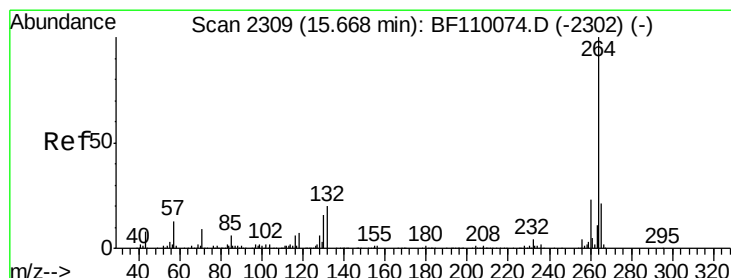
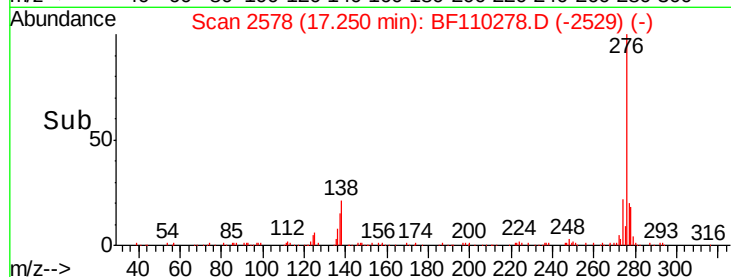
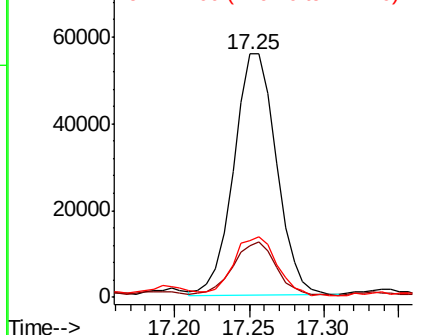
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.106 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276	Resp:	110585
Ion Ratio	Lower	Upper
276	100	
138	22.4	18.5 27.7
277	24.7	20.0 30.0

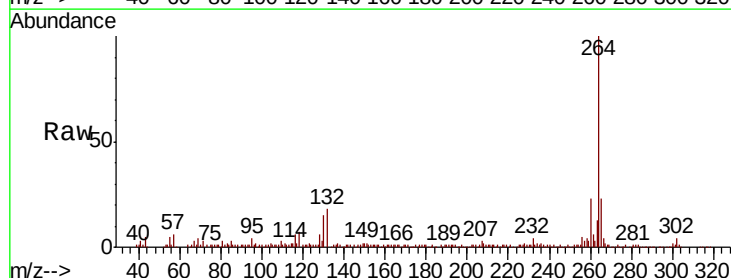


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

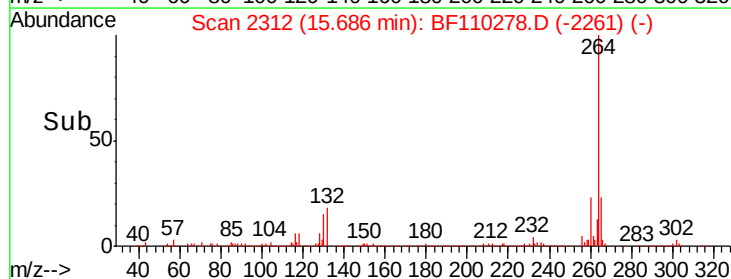
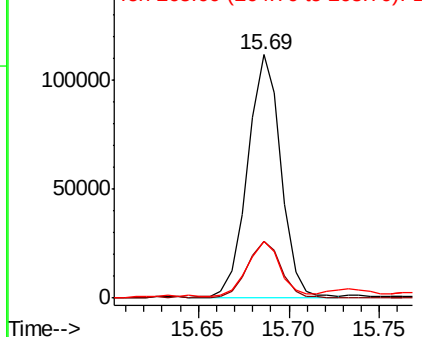


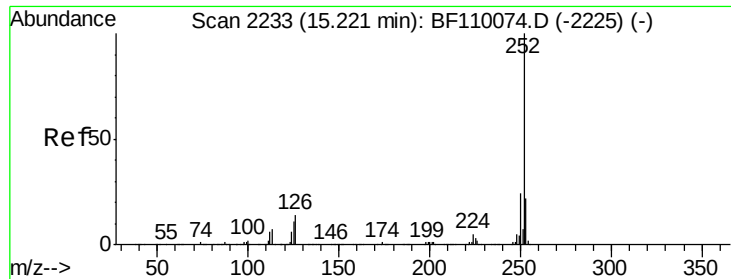
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Tgt Ion:264	Resp:	143218
Ion Ratio	Lower	Upper
264	100	
260	23.4	18.7 28.1
265	23.2	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

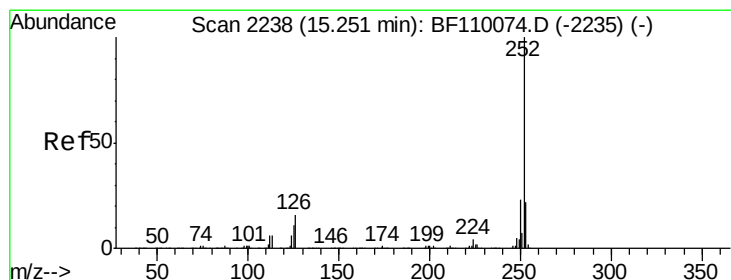
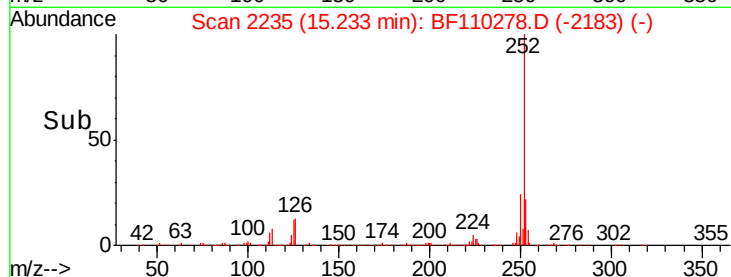
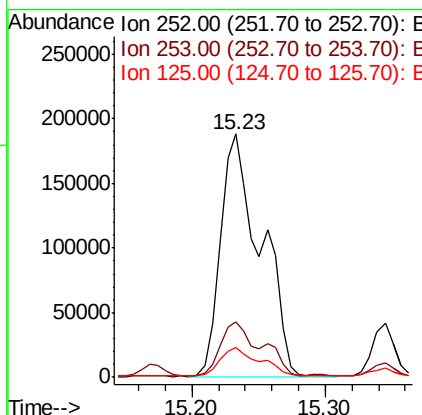
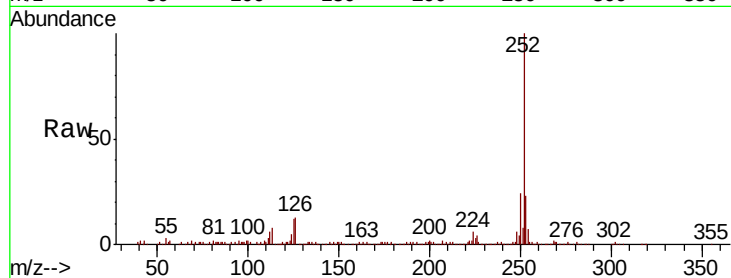




#88
Benzo(b)fluoranthene
Concen: 47.900 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

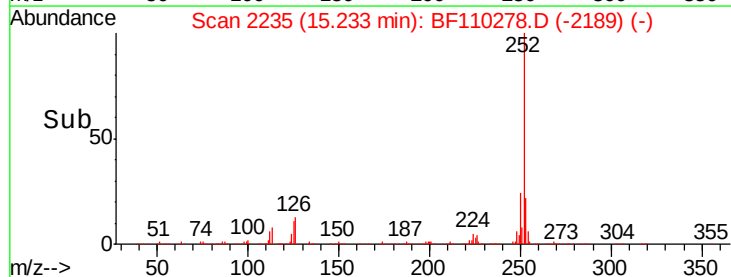
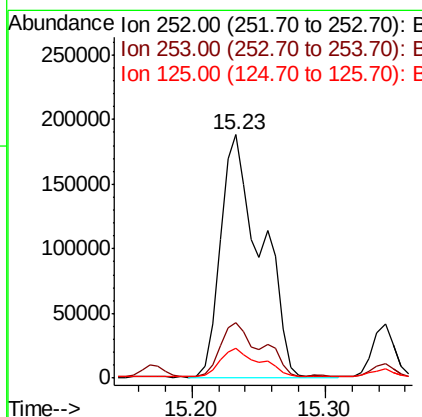
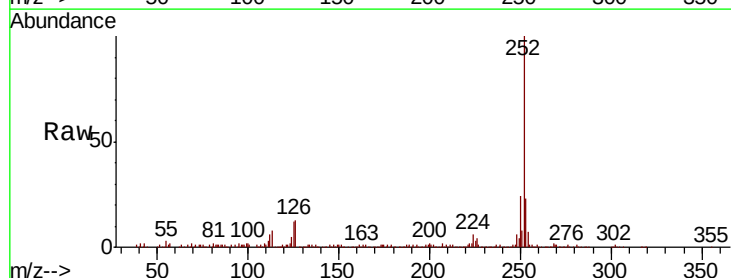
Instrument :
BNA_F
ClientSampleId :

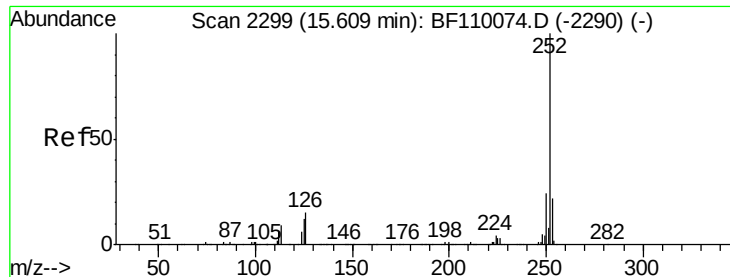
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	12.2	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 48.723 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF110278.D
Acq: 29 Oct 2018 22:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	12.2	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 26.702 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

Instrument :

BNA_F

ClientSampled :

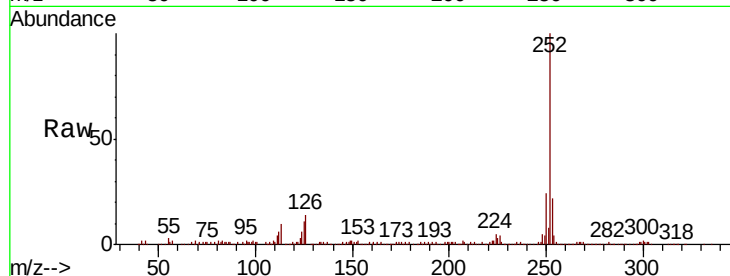
Tot Ion:252 Resp: 203206

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.4

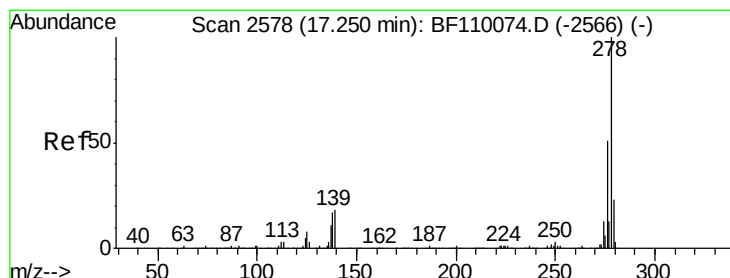
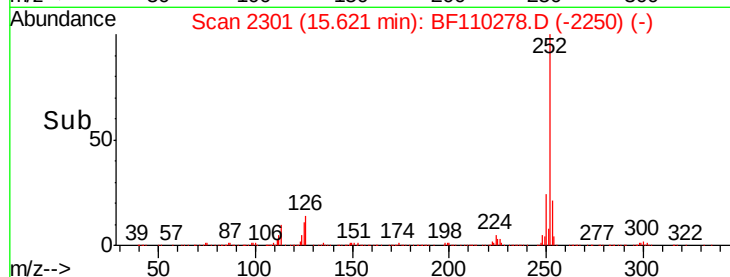
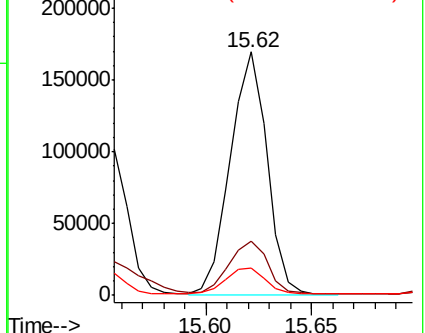
125 11.4 9.0 13.6



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



#91

Dibenzo(a,h)anthracene

Concen: 3.200 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.22 min

Lab File: BF110278.D

Acq: 29 Oct 2018 22:39

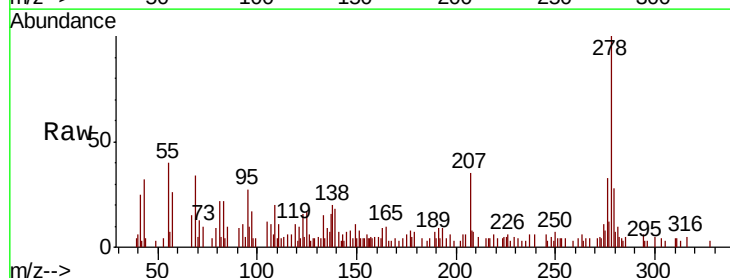
Tgt Ion:278 Resp: 21014

Ion Ratio Lower Upper

278 100

139 18.4 12.7 19.1

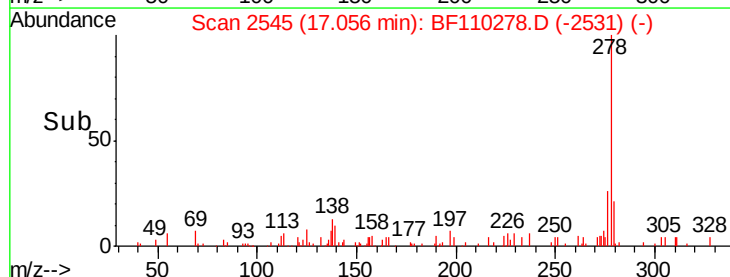
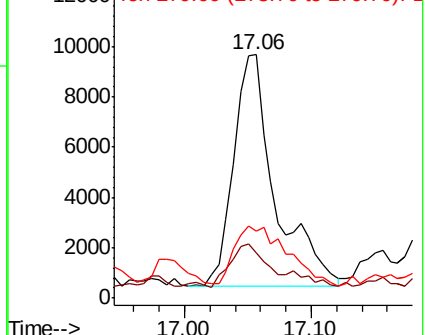
279 27.8 19.0 28.4

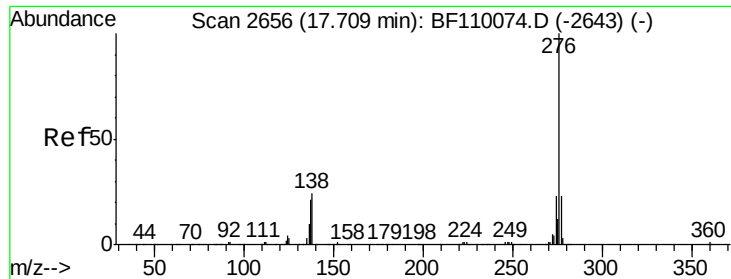


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 16.062 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. -0.00 min
 Lab File: BF110278.D
 Acq: 29 Oct 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	21.0	16.0	24.0

