

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110691.D
 Acq On : 12 Nov 2018 22:54
 Operator : JU/SJ
 Sample : J5907-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Quant Time: Nov 13 05:41:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	93778	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	399254	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	180832	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	294712	20.00	ng	0.00
76) Chrysene-d12	14.13	240	185446	20.00	ng	-0.01
87) Perylene-d12	15.66	264	167057	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	296173	51.30	ng	0.00
7) Phenol-d6	6.56	99	387145	52.44	ng	-0.01
23) Nitrobenzene-d5	7.50	82	243121	35.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	64463	35.38	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	459960	36.33	ng	0.00
79) Terphenyl-d14	13.06	244	319495	32.26	ng	-0.01

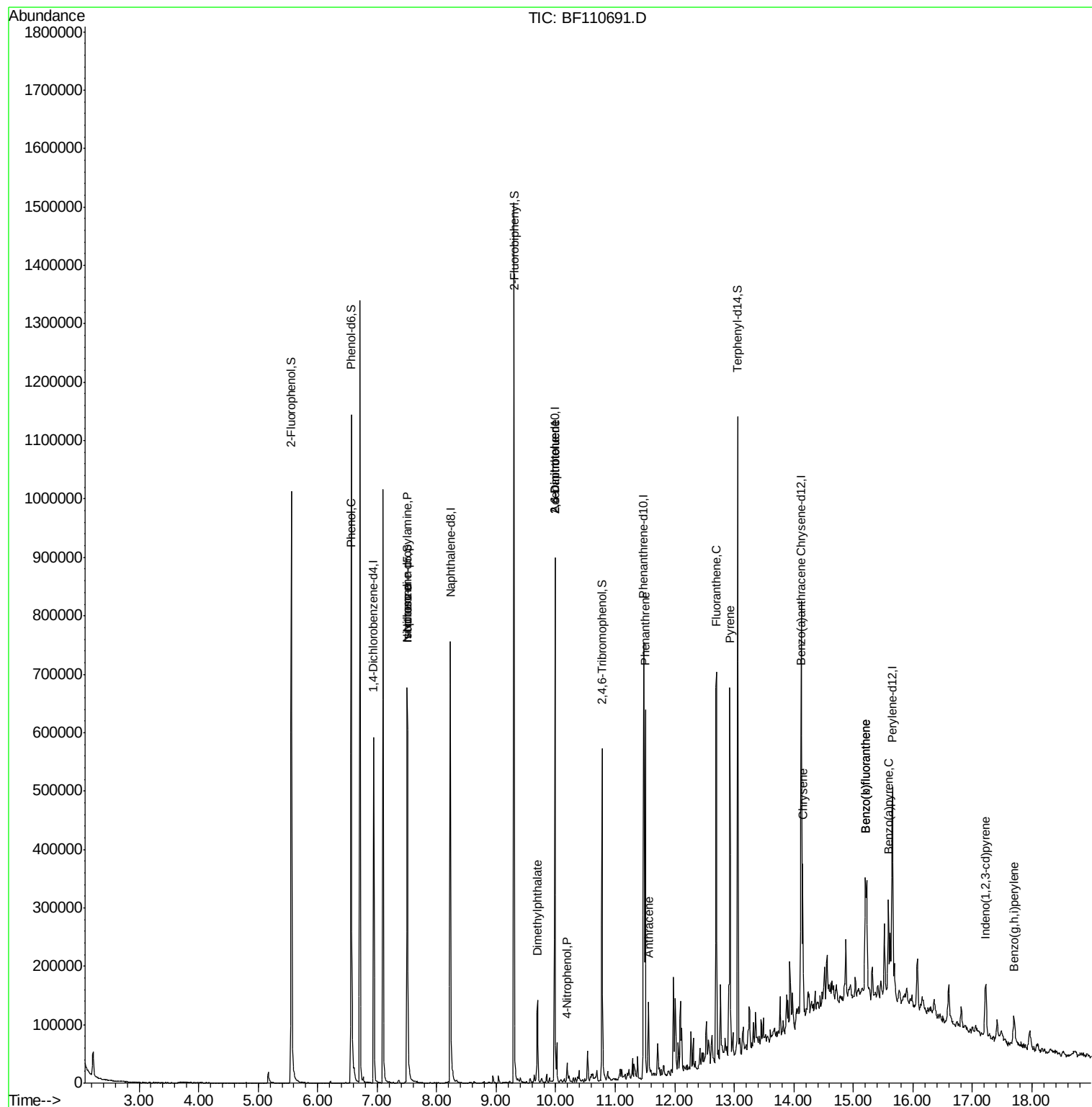
Target Compounds				Qvalue		
10) Phenol	6.57	94	21524	2.514	ng	80
19) n-Nitroso-di-n-propylamine	7.50	70	31717	6.730	ng	# 82
25) Isophorone	7.50	82	243118	21.396	ng	# 67
50) Dimethylphthalate	9.69	163	64404	4.773	ng	100
51) 2,6-Dinitrotoluene	9.99	165	22819	7.688	ng	# 23
56) 4-Nitrophenol	10.19	139	5395	2.365	ng	# 6
57) 2,4-Dinitrotoluene	9.99	165	22819	5.913	ng	# 19
71) Phenanthrene	11.50	178	243842	15.444	ng	99
72) Anthracene	11.56	178	55978	3.515	ng	97
75) Fluoranthene	12.70	202	272609	17.221	ng	97
78) Pyrene	12.93	202	242545	16.986	ng	98
81) Benzo(a)anthracene	14.12	228	113341	10.225	ng	99
83) Chrysene	14.15	228	102134	9.672	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	42925	5.665	ng	95
88) Benzo(b)fluoranthene	15.20	252	151971	15.206	ng	97
89) Benzo(k)fluoranthene	15.20	252	151971	15.389	ng	# 96
90) Benzo(a)pyrene	15.59	252	79530	8.759	ng	97
92) Benzo(g,h,i)perylene	17.70	276	40723	5.341	ng	# 90

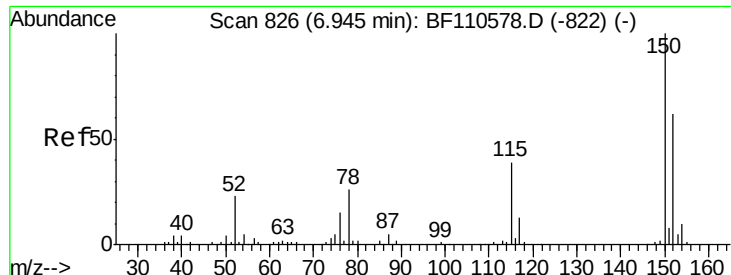
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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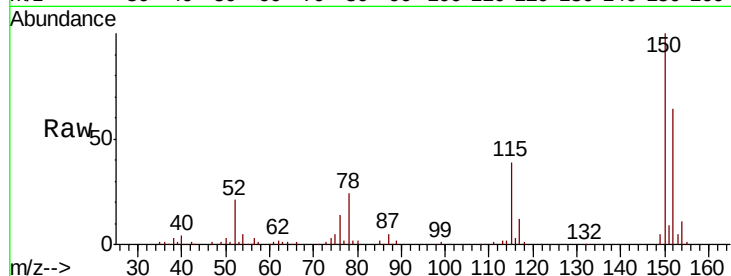


#1

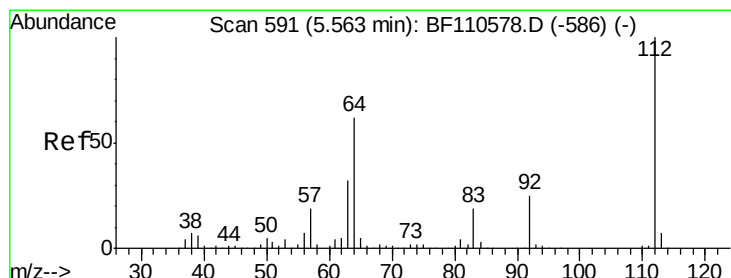
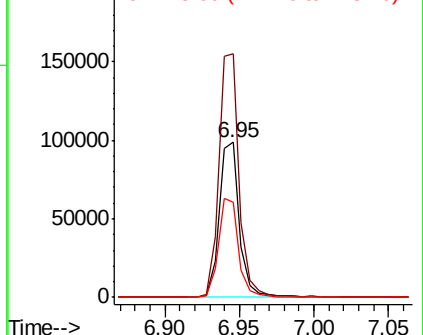
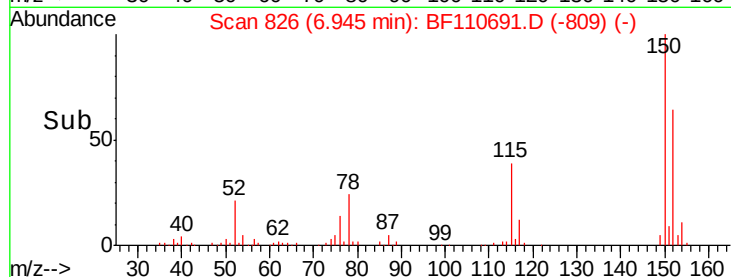
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tgt Ion:152 Resp: 93778
Ion Ratio Lower Upper
152 100
150 157.1 122.7 184.1
115 61.3 49.1 73.7



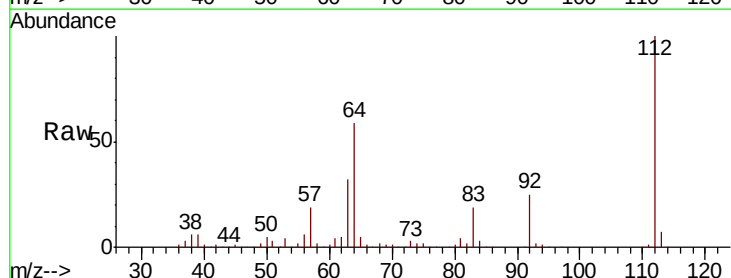
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



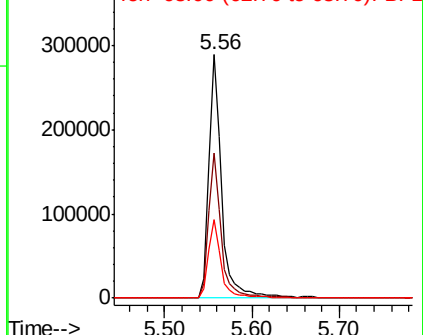
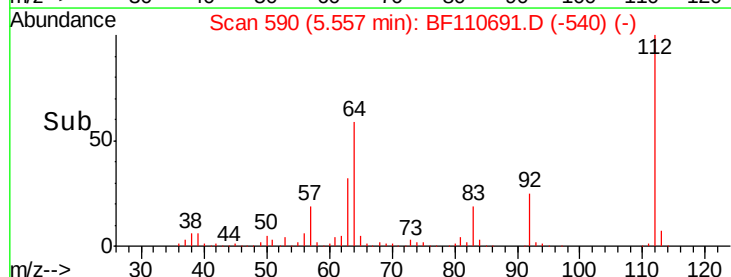
#5

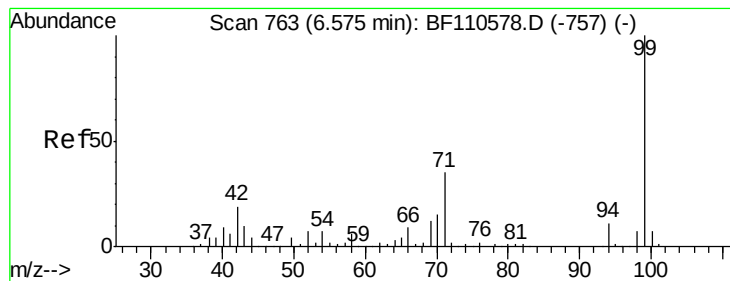
2-Fluorophenol
Concen: 51.300 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

Tgt Ion:112 Resp: 296173
Ion Ratio Lower Upper
112 100
64 59.4 44.1 66.1
63 32.4 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: 52.439 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

Instrument :

BNA_F

ClientSampled :

TP-2-S

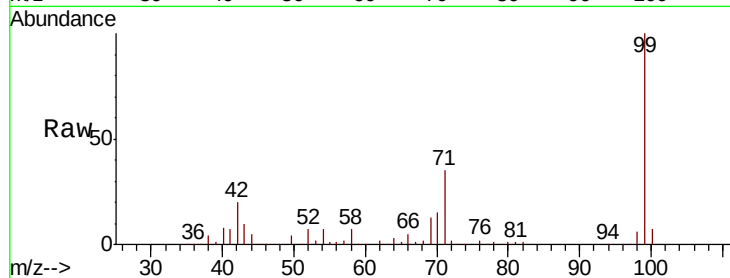
Tgt Ion: 99 Resp: 387145

Ion Ratio Lower Upper

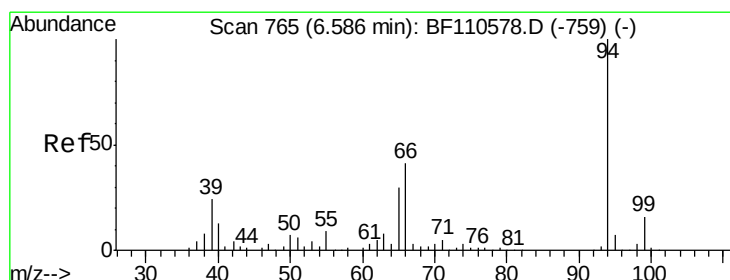
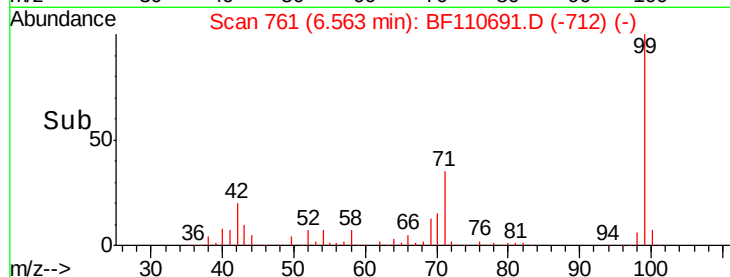
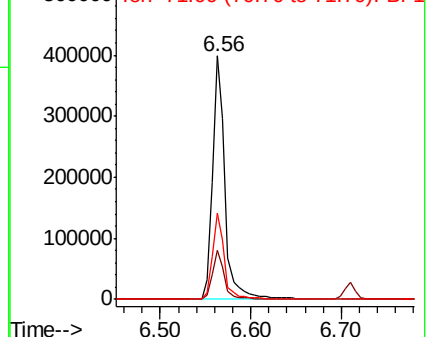
99 100

42 20.3 15.8 23.6

71 35.5 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



#10

Phenol

Concen: 2.514 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

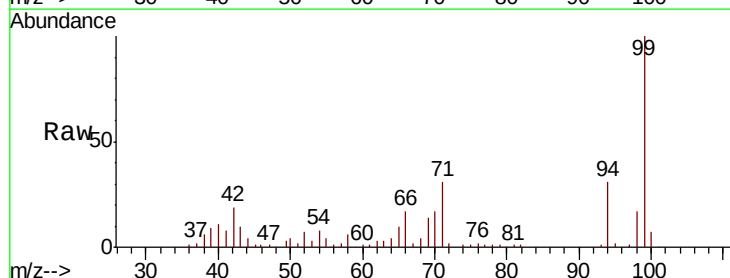
Tgt Ion: 94 Resp: 21524

Ion Ratio Lower Upper

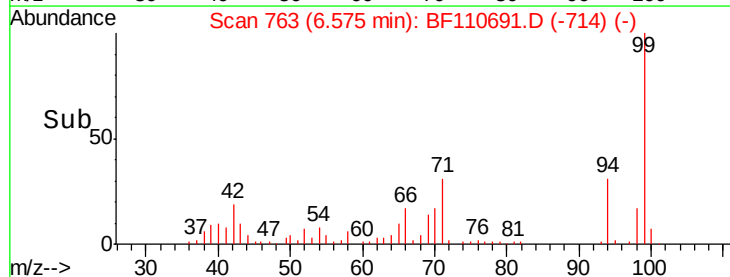
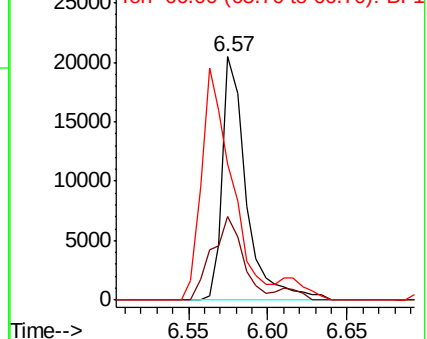
94 100

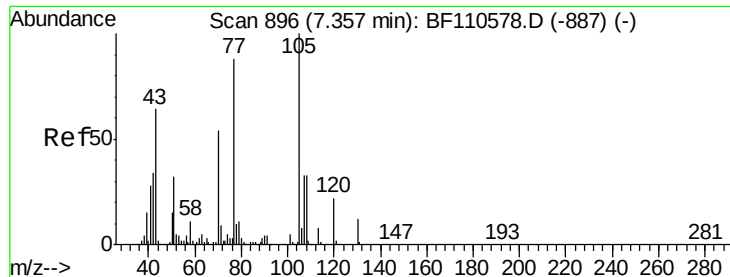
65 34.1 25.3 65.3

66 56.0 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

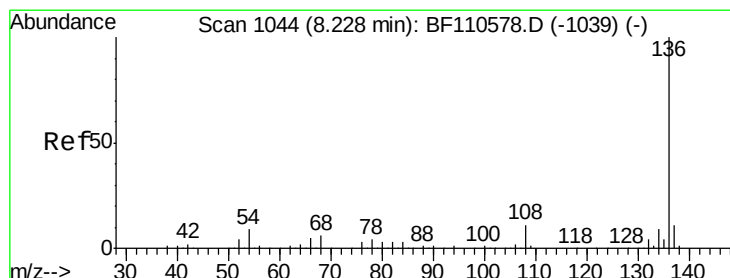
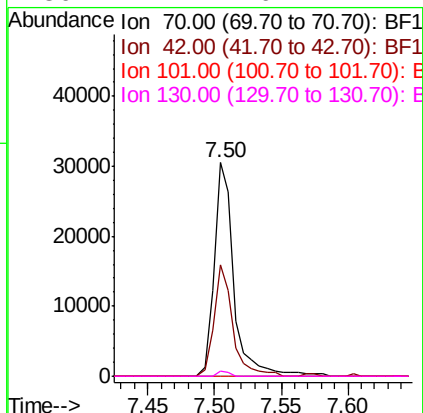
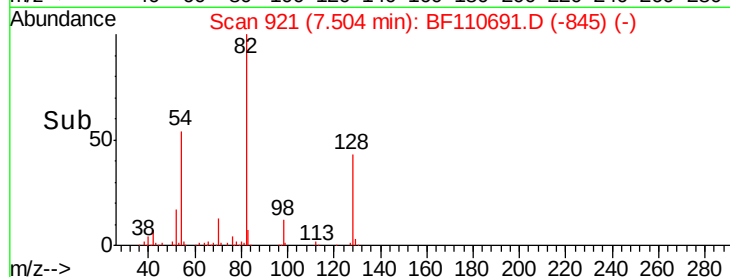
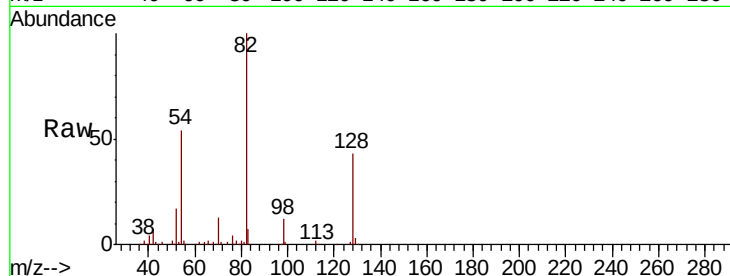




#19
n-Nitroso-di-n-propylamine
Concen: 6.730 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

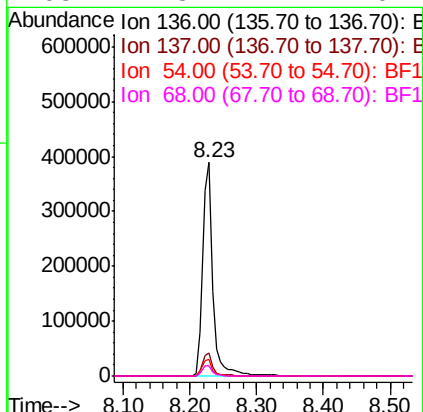
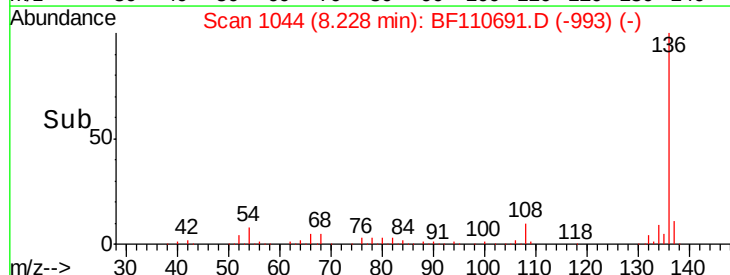
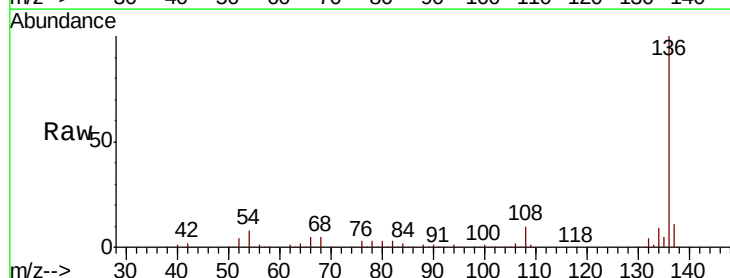
Instrument :
BNA_F
ClientSampleId :
TP-2-S

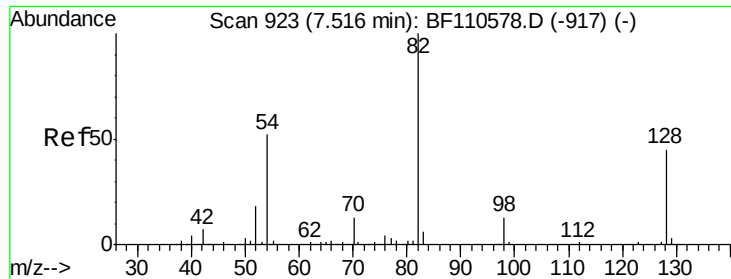
Tgt Ion: 70 Resp: 31717
Ion Ratio Lower Upper
70 100
42 52.2 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

Tgt Ion: 136 Resp: 399254
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.5 5.4 8.2
68 4.8 4.2 6.2

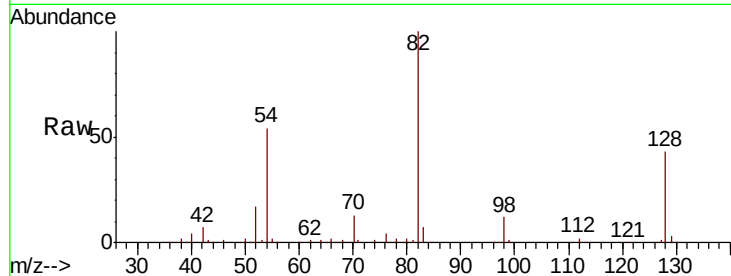




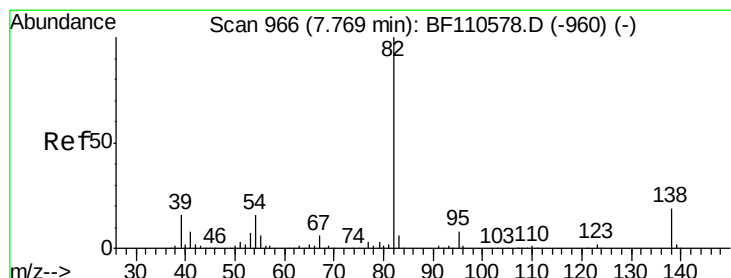
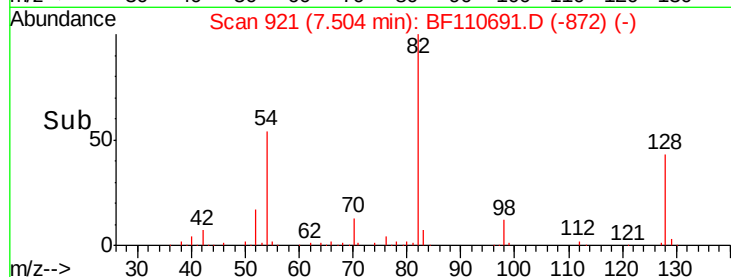
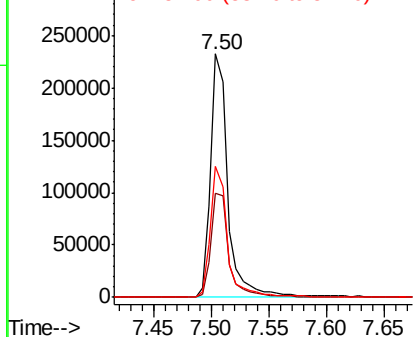
#23
 Nitrobenzene-d5
 Concen: 35.068 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.2	51.2
54	53.6	38.6	58.0

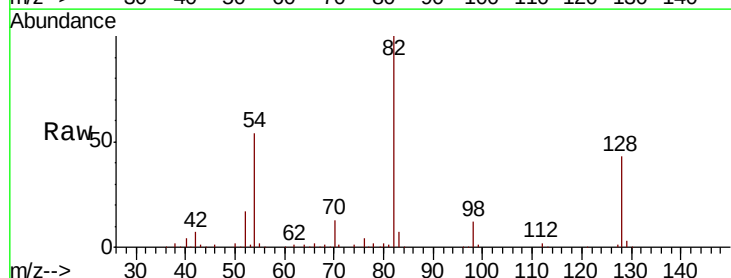


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

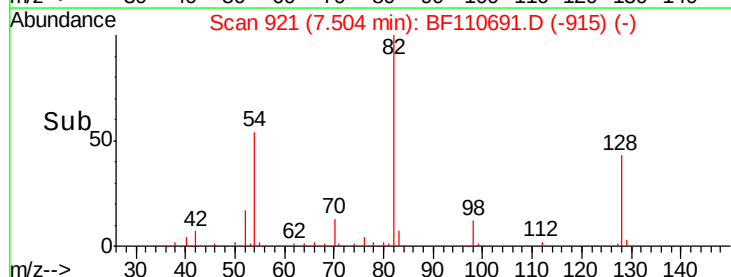
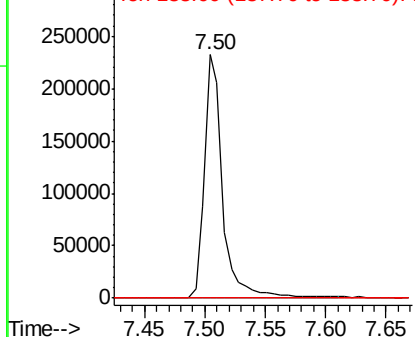


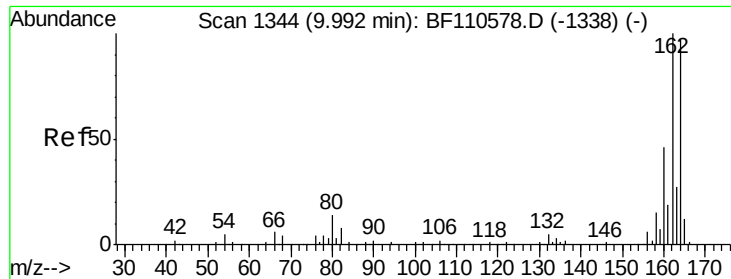
#25
 Isophorone
 Concen: 21.396 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt 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: BF110691.D

Acq: 12 Nov 2018 22:54

Instrument :

BNA_F

ClientSampleId :

TP-2-S

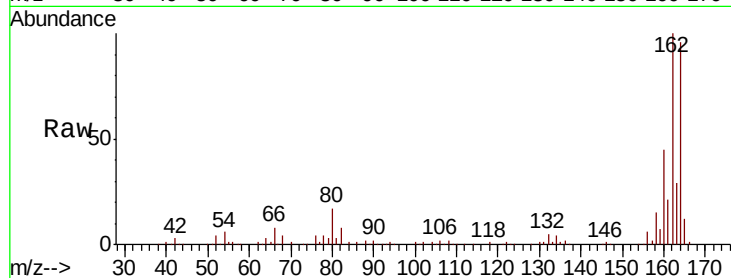
Tgt Ion:164 Resp: 180832

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.6

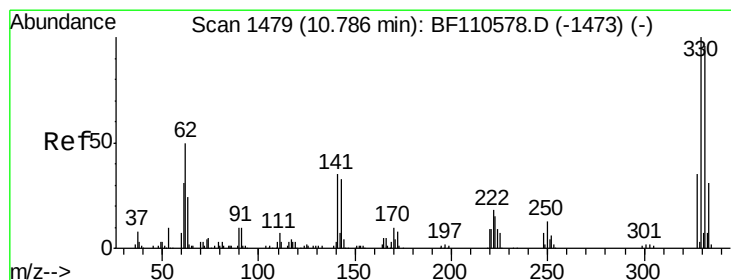
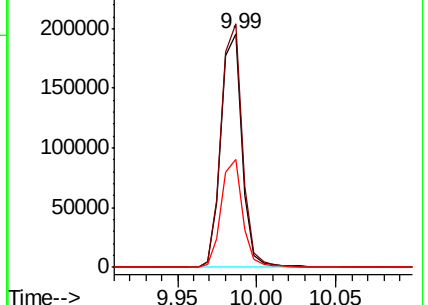
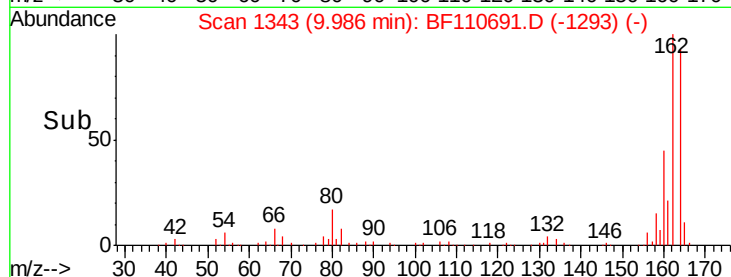
160 46.5 37.0 55.6



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: 35.378 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

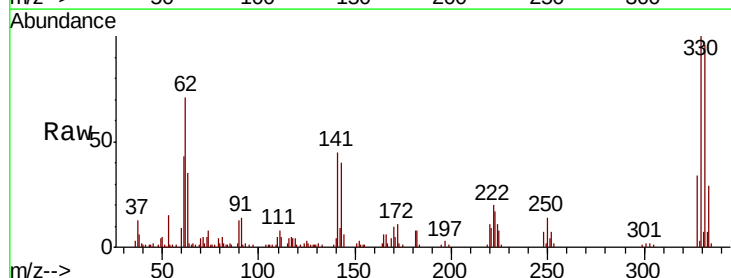
Tgt Ion:330 Resp: 64463

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

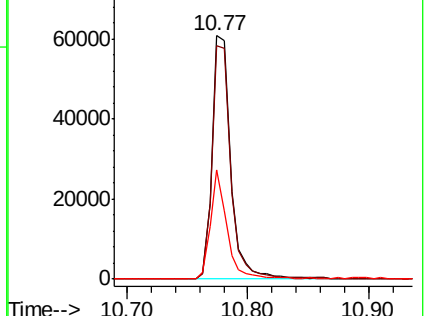
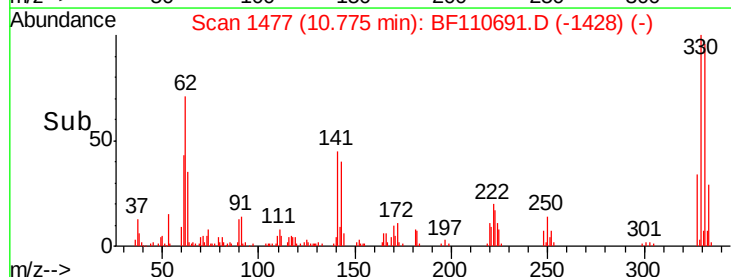
141 39.5 27.0 40.4

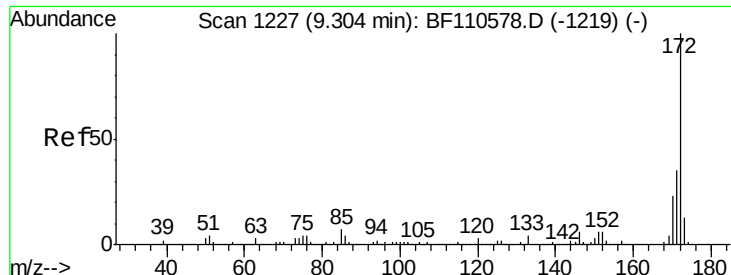


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

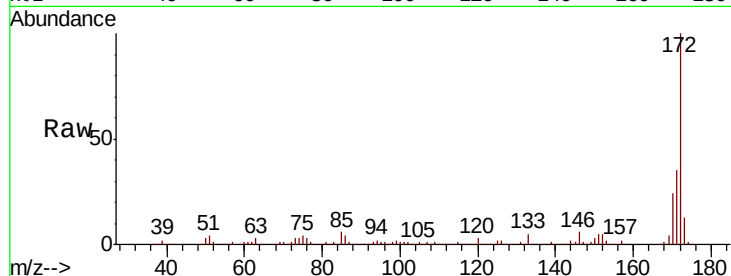




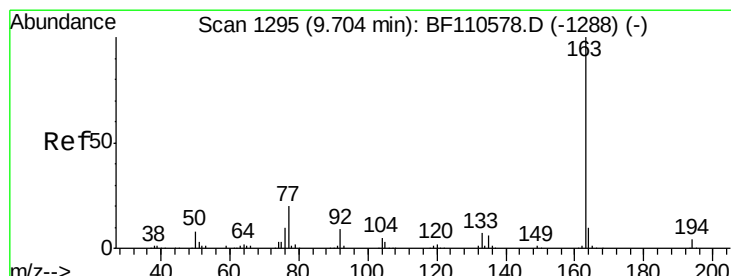
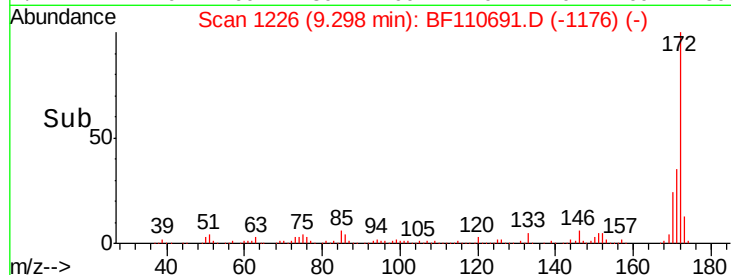
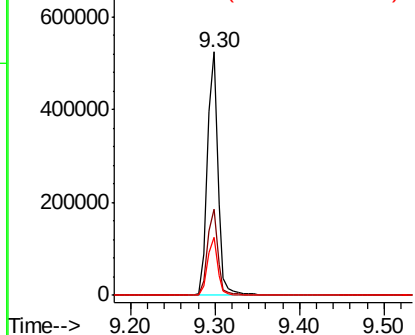
#45
 2-Fluorobiphenyl
 Concen: 36.327 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tgt Ion:172 Resp: 459960
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.7 19.7 29.5

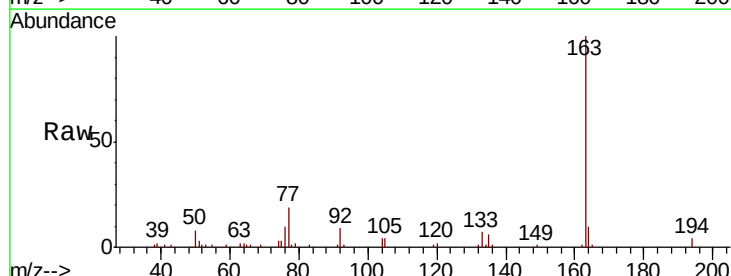


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

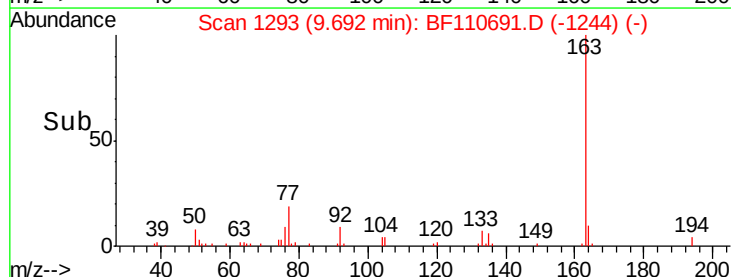
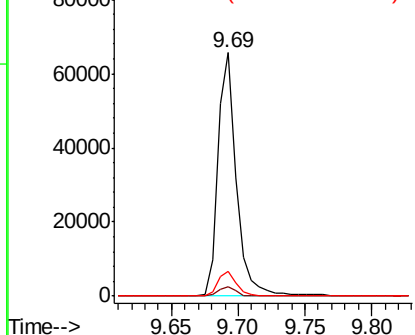


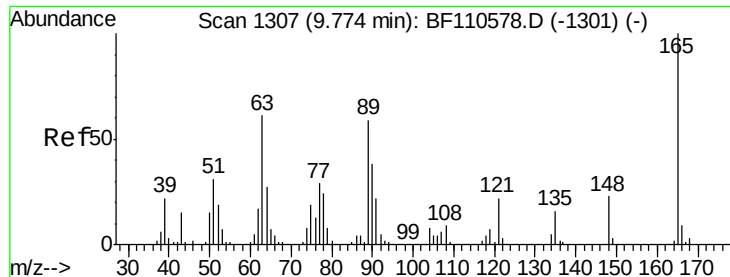
#50
 Dimethylphthalate
 Concen: 4.773 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt Ion:163 Resp: 64404
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.2 4.8
 164 10.1 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

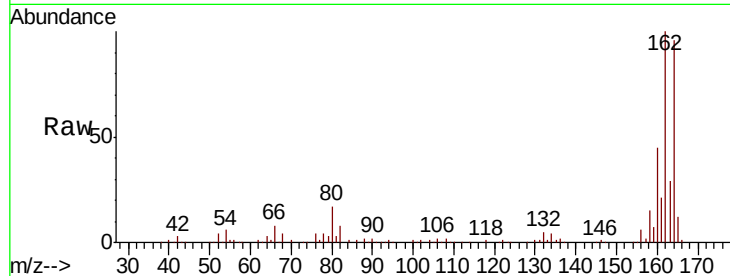




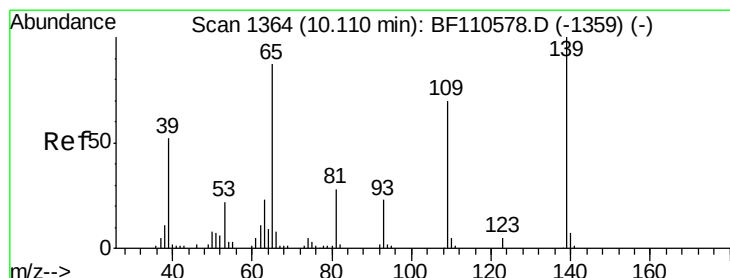
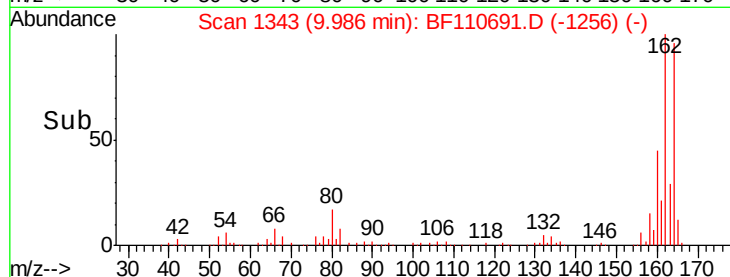
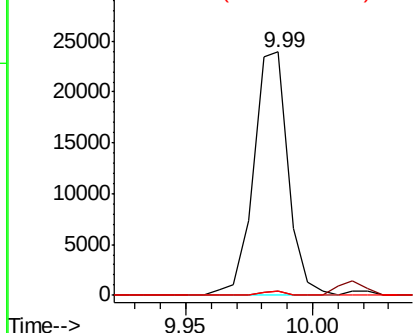
#51
 2,6-Dinitrotoluene
 Concen: 7.688 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tgt Ion:165 Resp: 22819
 Ion Ratio Lower Upper
 165 100
 63 1.9 48.9 73.3#
 89 1.5 46.6 69.8#

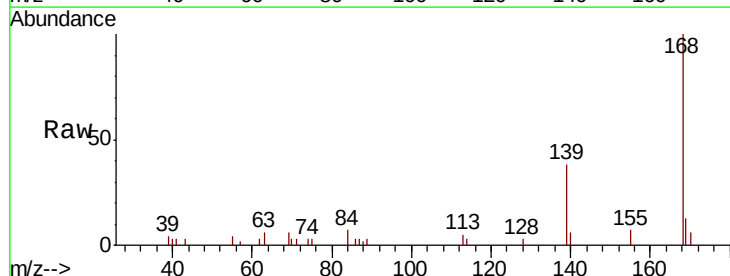


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

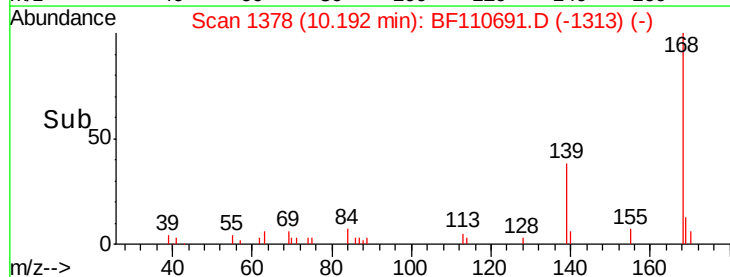
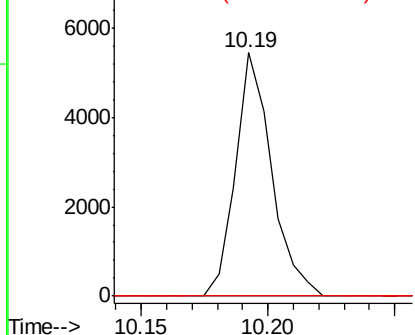


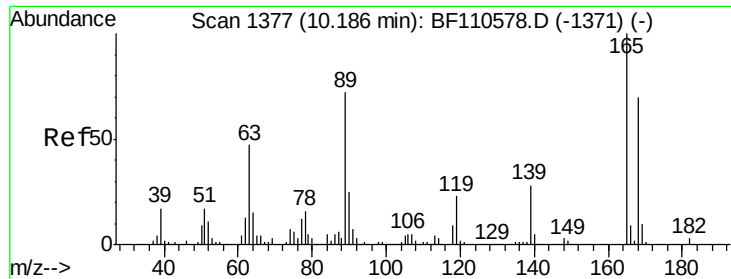
#56
 4-Nitrophenol
 Concen: 2.365 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.08 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt Ion:139 Resp: 5395
 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

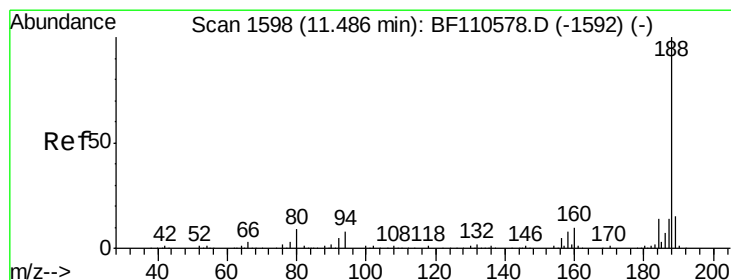
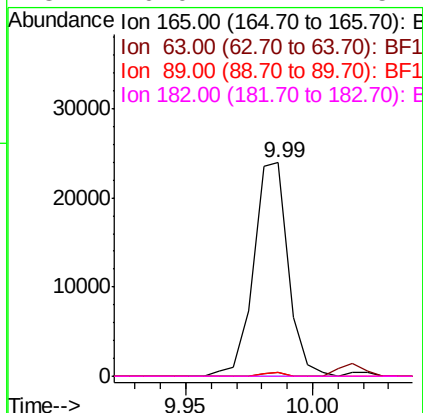
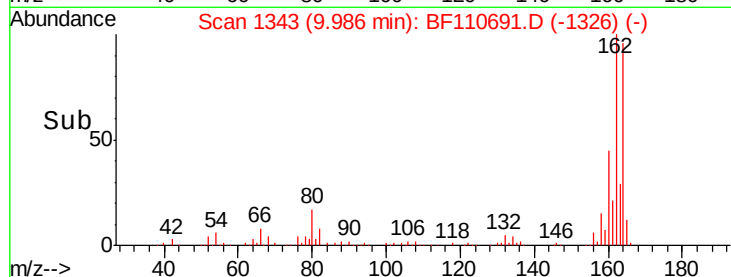
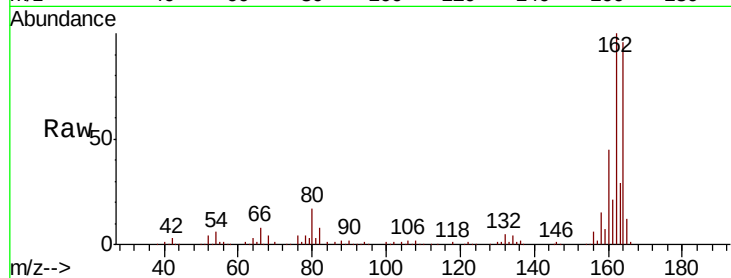




#57
 2,4-Dinitrotoluene
 Concen: 5.913 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

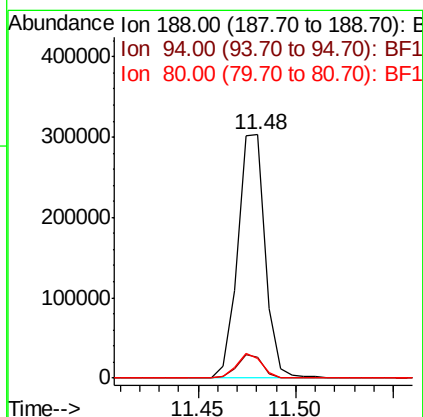
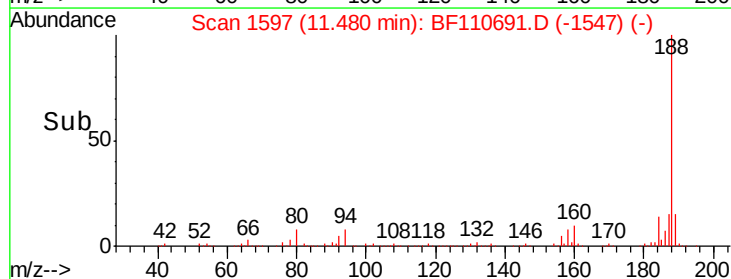
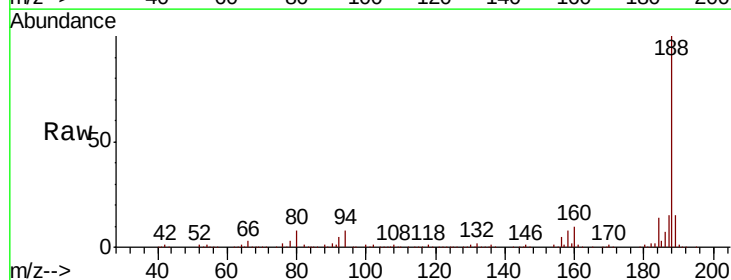
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

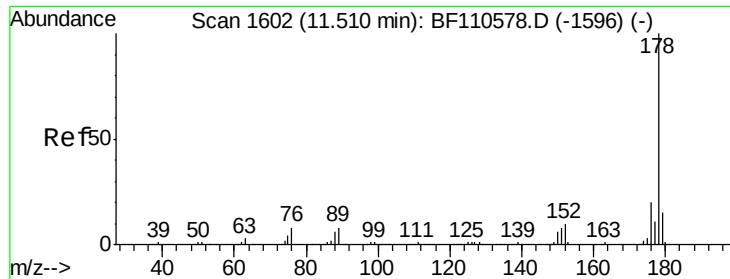
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	8.2	7.9	11.9





#71

Phenanthrene

Concen: 15.444 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

Instrument :

BNA_F

ClientSampleId :

TP-2-S

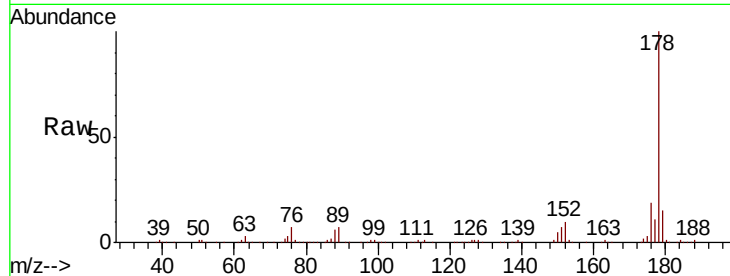
Tgt Ion:178 Resp: 243842

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

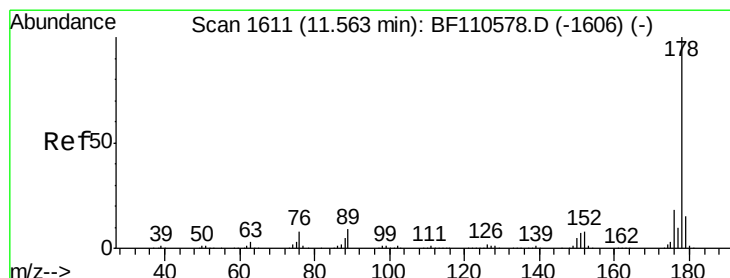
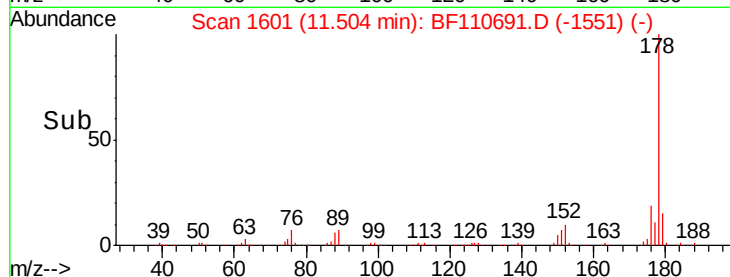
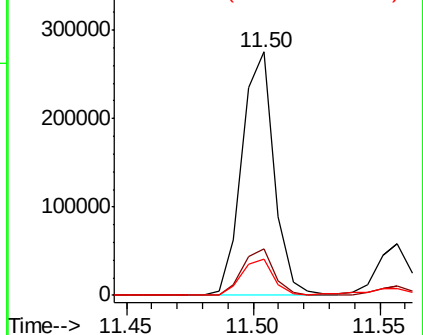
179 14.8 12.5 18.7



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: 3.515 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

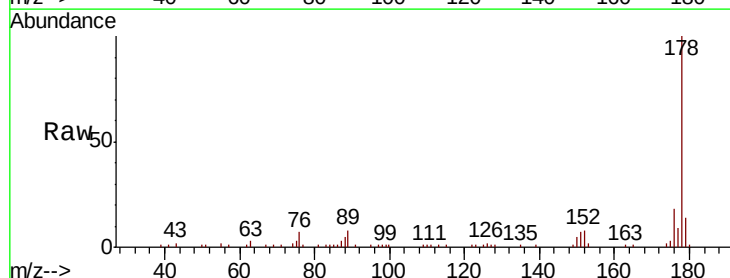
Tgt Ion:178 Resp: 55978

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

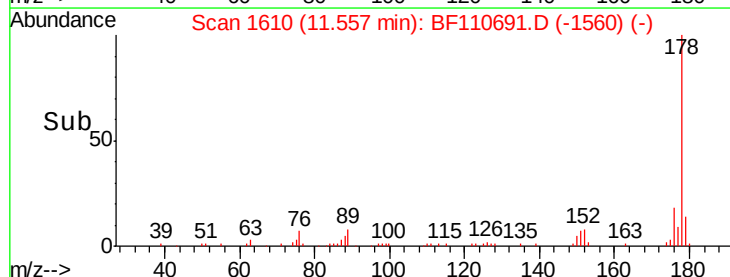
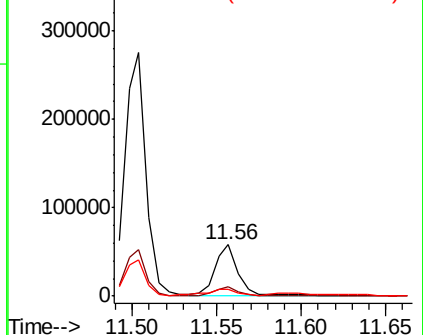
179 14.4 12.6 18.8

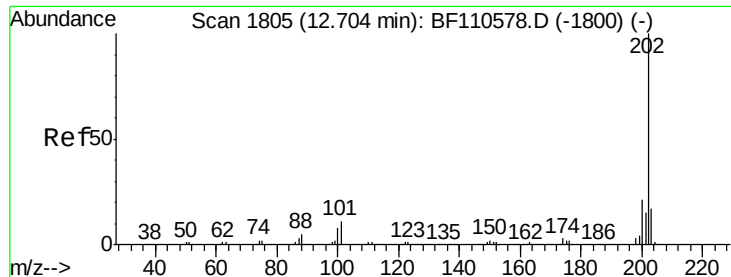


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.221 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

Instrument :

BNA_F

ClientSampleId :

TP-2-S

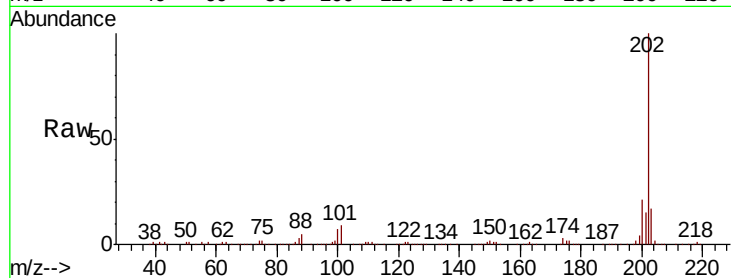
Tgt Ion: 202 Resp: 272609

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.4

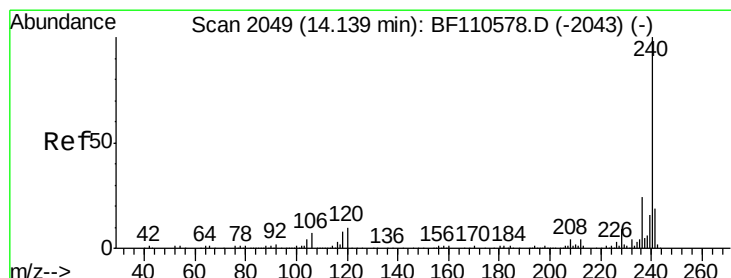
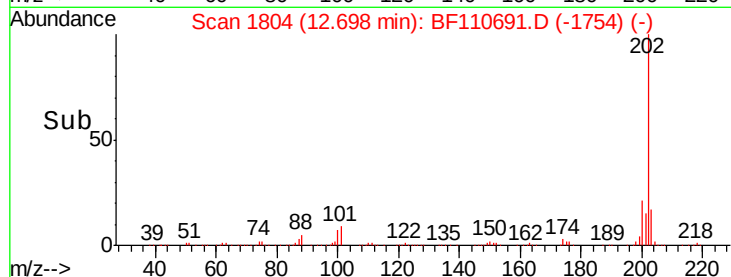
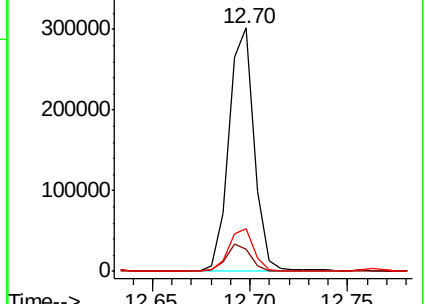
203 17.4 0.0 37.7



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: BF110691.D

Acq: 12 Nov 2018 22:54

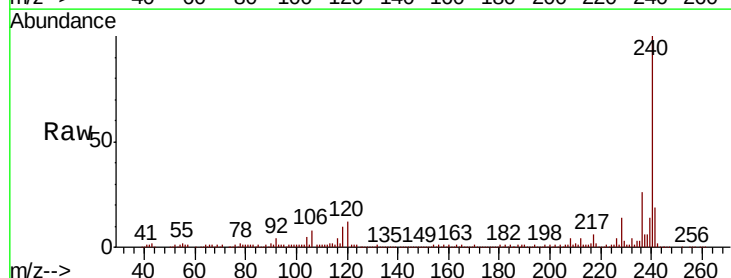
Tgt Ion: 240 Resp: 185446

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

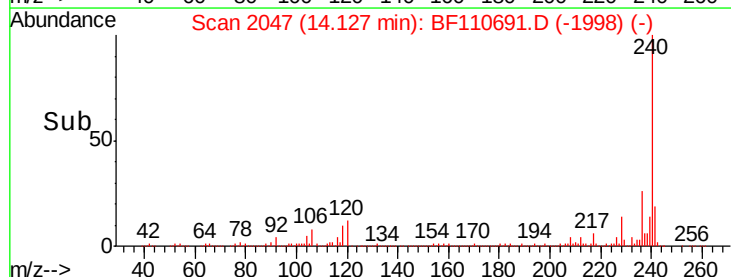
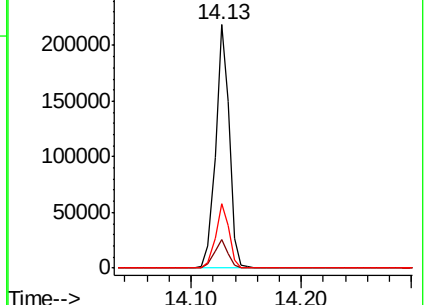
236 26.2 21.2 31.8

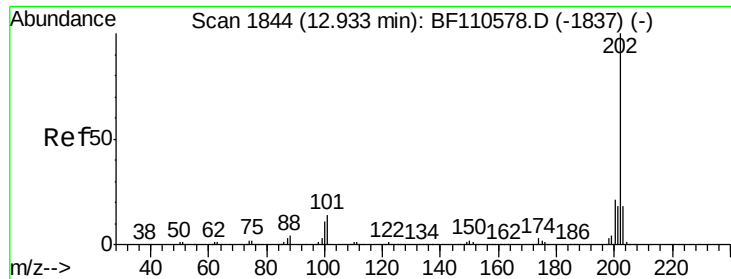


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

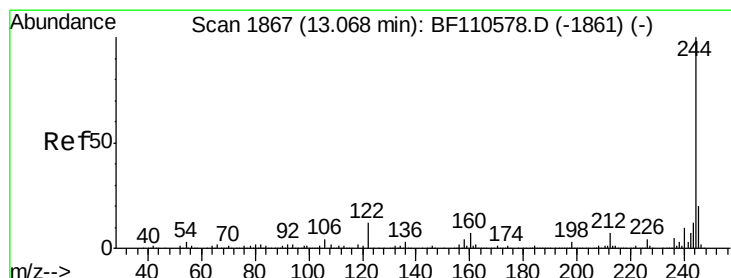
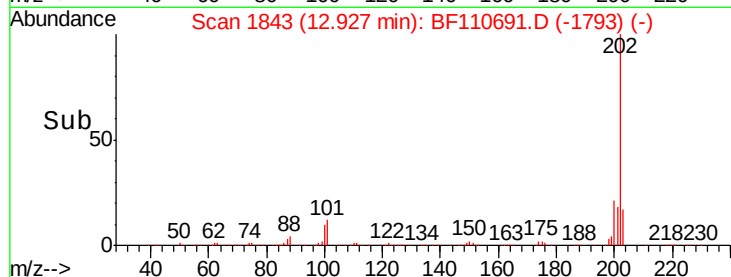
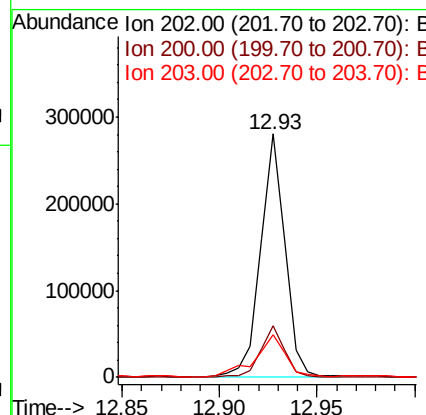
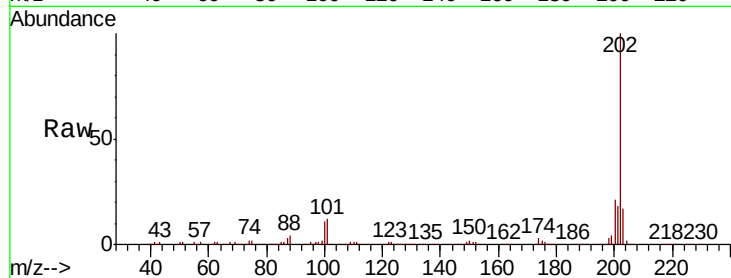




#78
 Pyrene
 Concen: 16.986 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

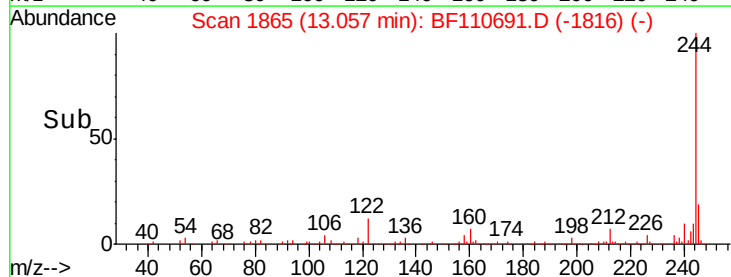
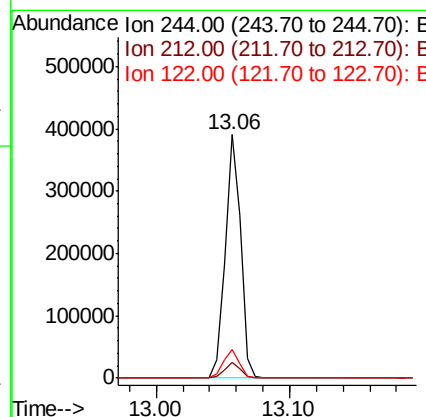
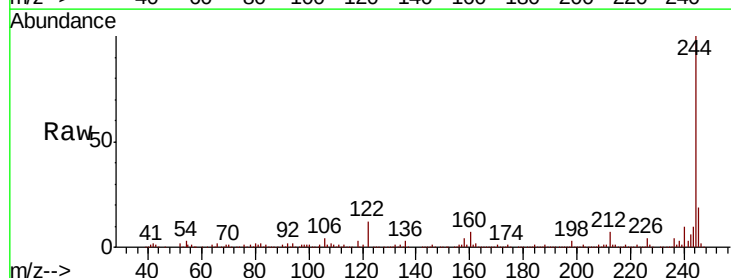
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

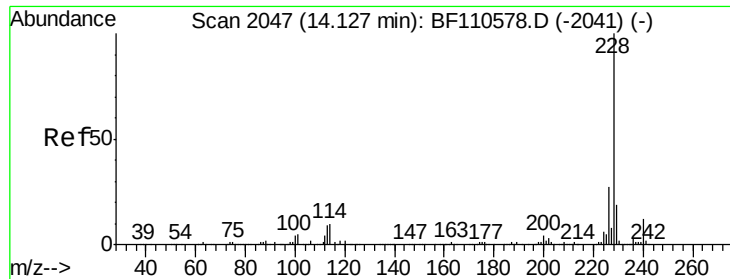
Tgt Ion:	202	Resp:	242545
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.5	14.2	21.4



#79
 Terphenyl-d14
 Concen: 32.265 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt Ion:	244	Resp:	319495
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	11.8	8.7	13.1





#81

Benzo(a)anthracene

Concen: 10.225 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

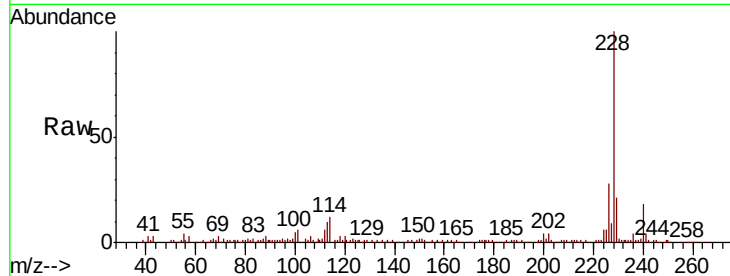
Instrument :

BNA_F

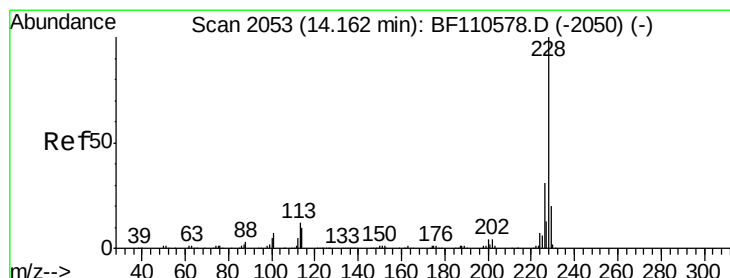
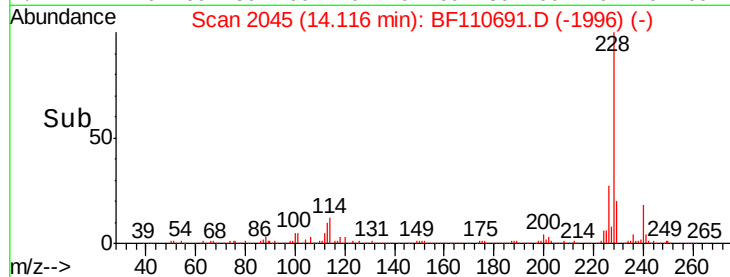
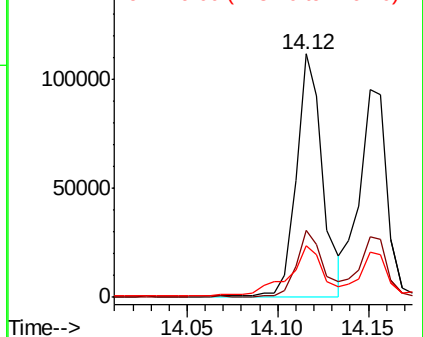
ClientSampled :

TP-2-S

Tgt Ion:	228	Resp:	113341
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	21.1	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 9.672 ng

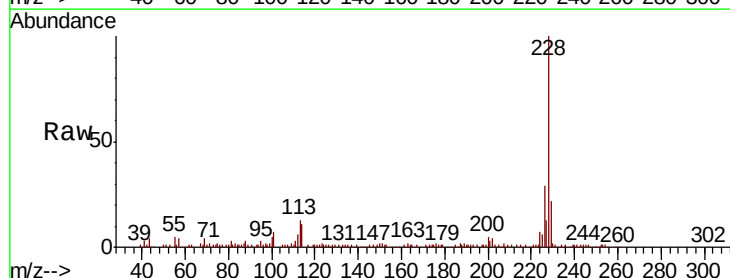
RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

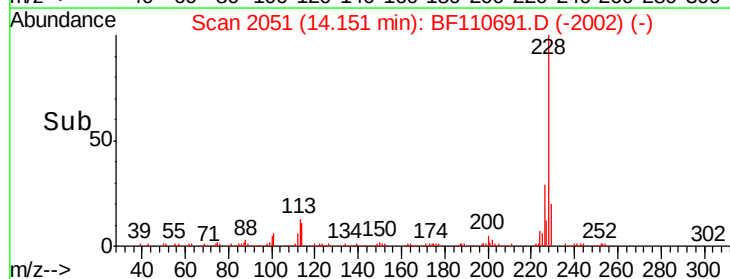
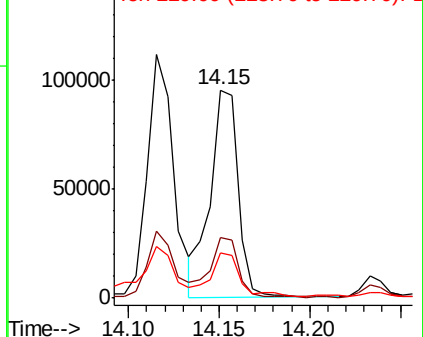
Lab File: BF110691.D

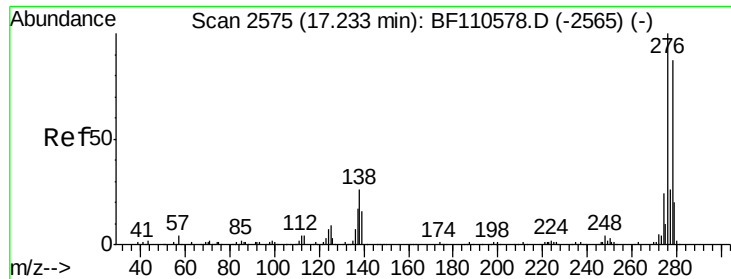
Acq: 12 Nov 2018 22:54

Tgt Ion:	228	Resp:	102134
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.7	37.1
229	21.6	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

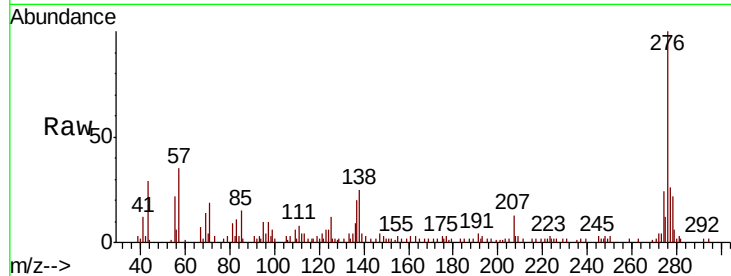




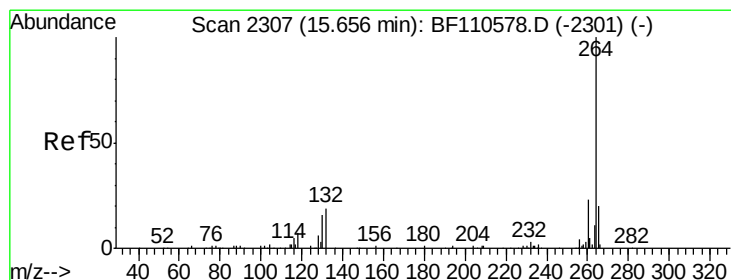
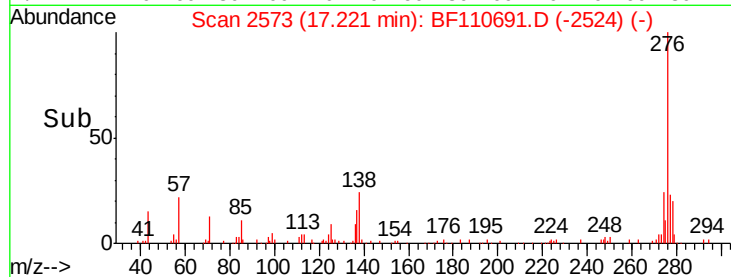
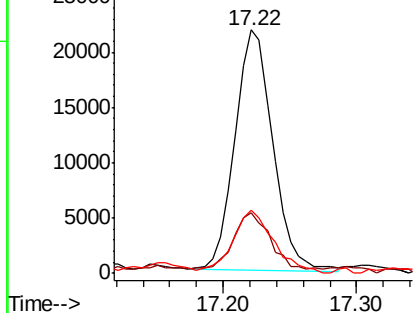
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.665 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	18.5	27.7
277	28.4	20.0	30.0

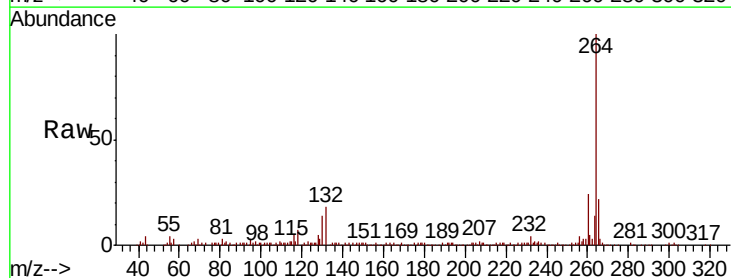


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

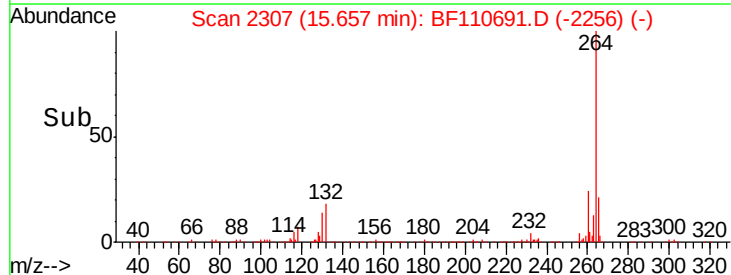
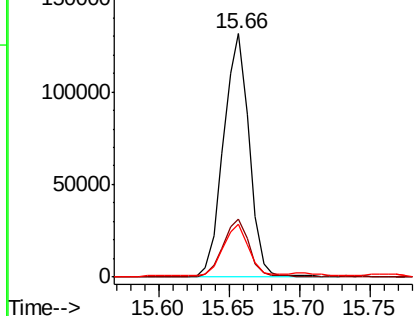


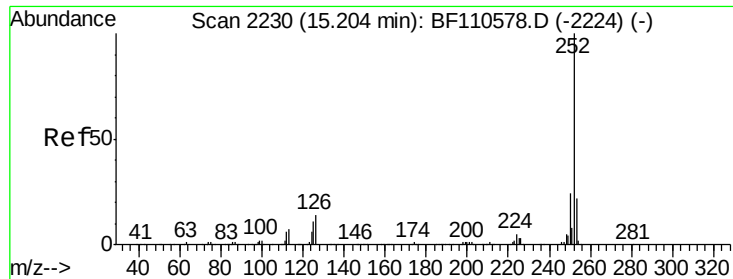
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110691.D
 Acq: 12 Nov 2018 22:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.6	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

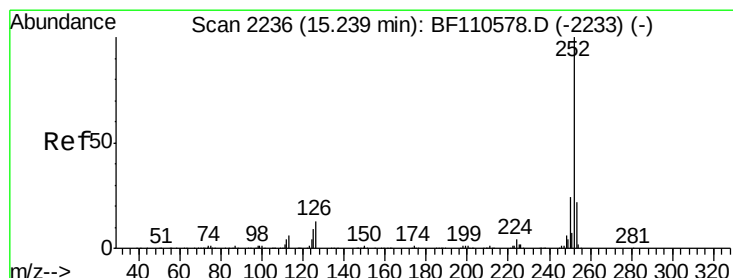
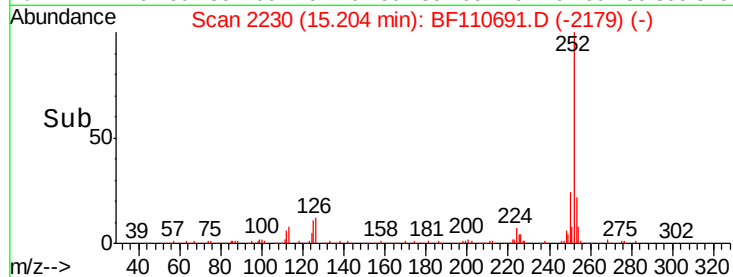
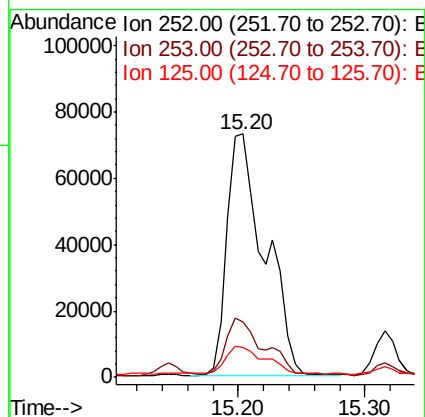
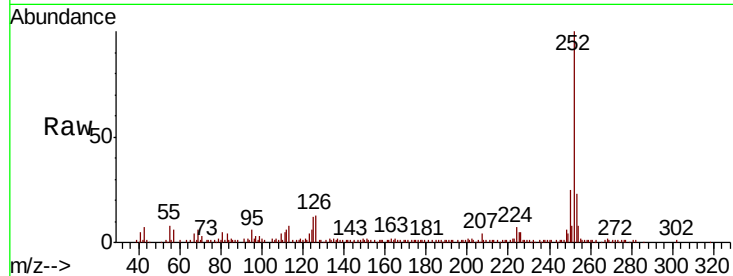




#88
Benzo(b)fluoranthene
Concen: 15.206 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

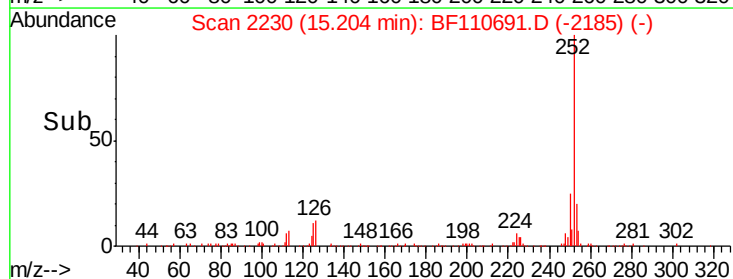
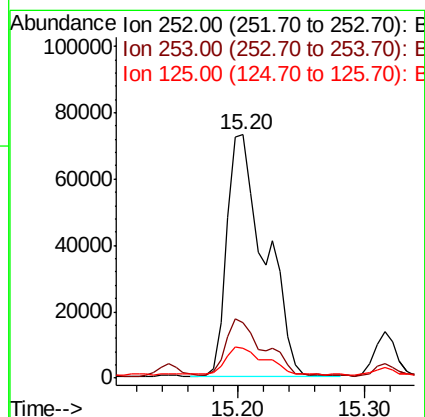
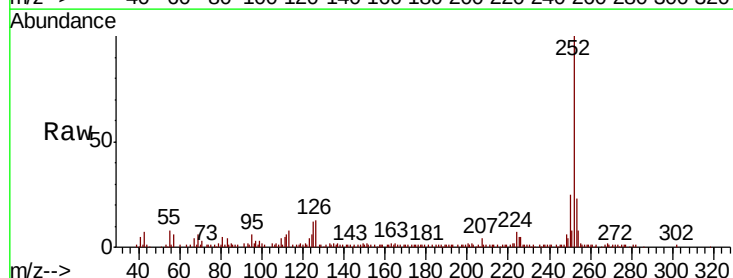
Instrument :
BNA_F
ClientSampleId :
TP-2-S

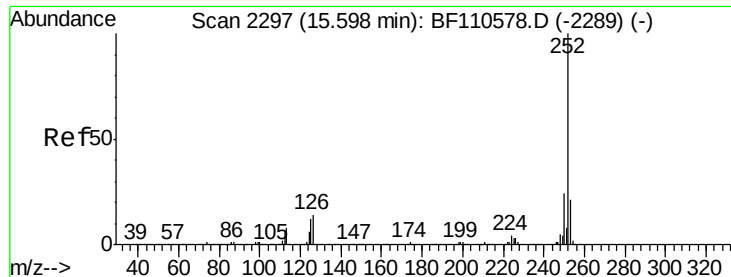
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.0	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 15.389 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110691.D
Acq: 12 Nov 2018 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.0	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 8.759 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

Instrument :

BNA_F

ClientSampleId :

TP-2-S

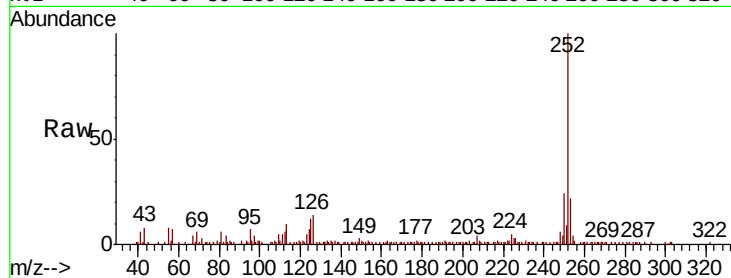
Tgt Ion:252 Resp: 79530

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

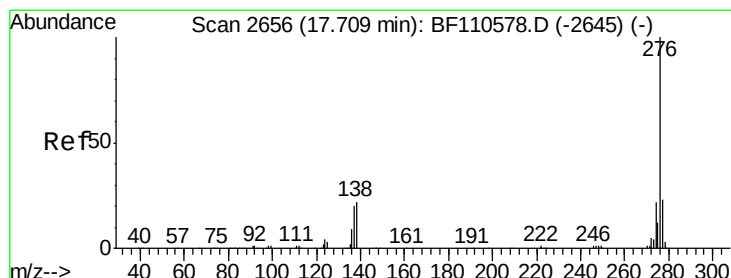
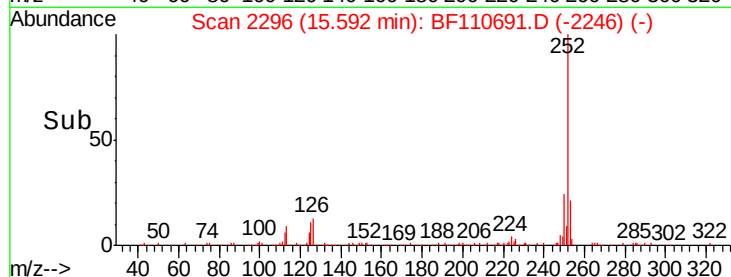
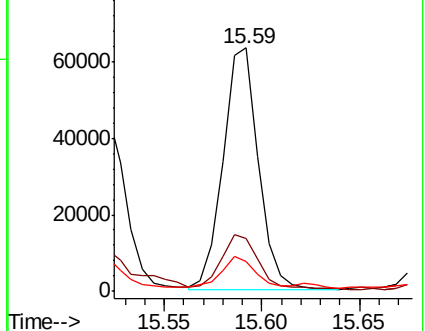
125 12.5 9.0 13.6



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



#92

Benzo(g,h,i)perylene

Concen: 5.341 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BF110691.D

Acq: 12 Nov 2018 22:54

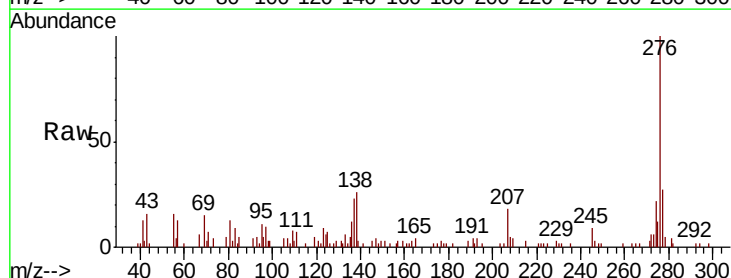
Tgt Ion:276 Resp: 40723

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 25.6 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

