

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101726.D
 Acq On : 26 Dec 2017 21:07
 Operator : SJ/JU
 Sample : I7022-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Quant Time: Dec 27 04:56:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125935	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	430471	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	159873	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	282263	20.00	ng	0.00
75) Chrysene-d12	13.97	240	304686	20.00	ng	0.00
86) Perylene-d12	15.43	264	334653	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	628787	74.37	ng	0.00
7) Phenol-d6	6.43	99	689413	65.52	ng	0.00
23) Nitrobenzene-d5	7.36	82	432127	55.88	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	116997	75.95	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	600276	58.24	ng	0.00
78) Terphenyl-d14	12.90	244	531346	42.04	ng	0.00

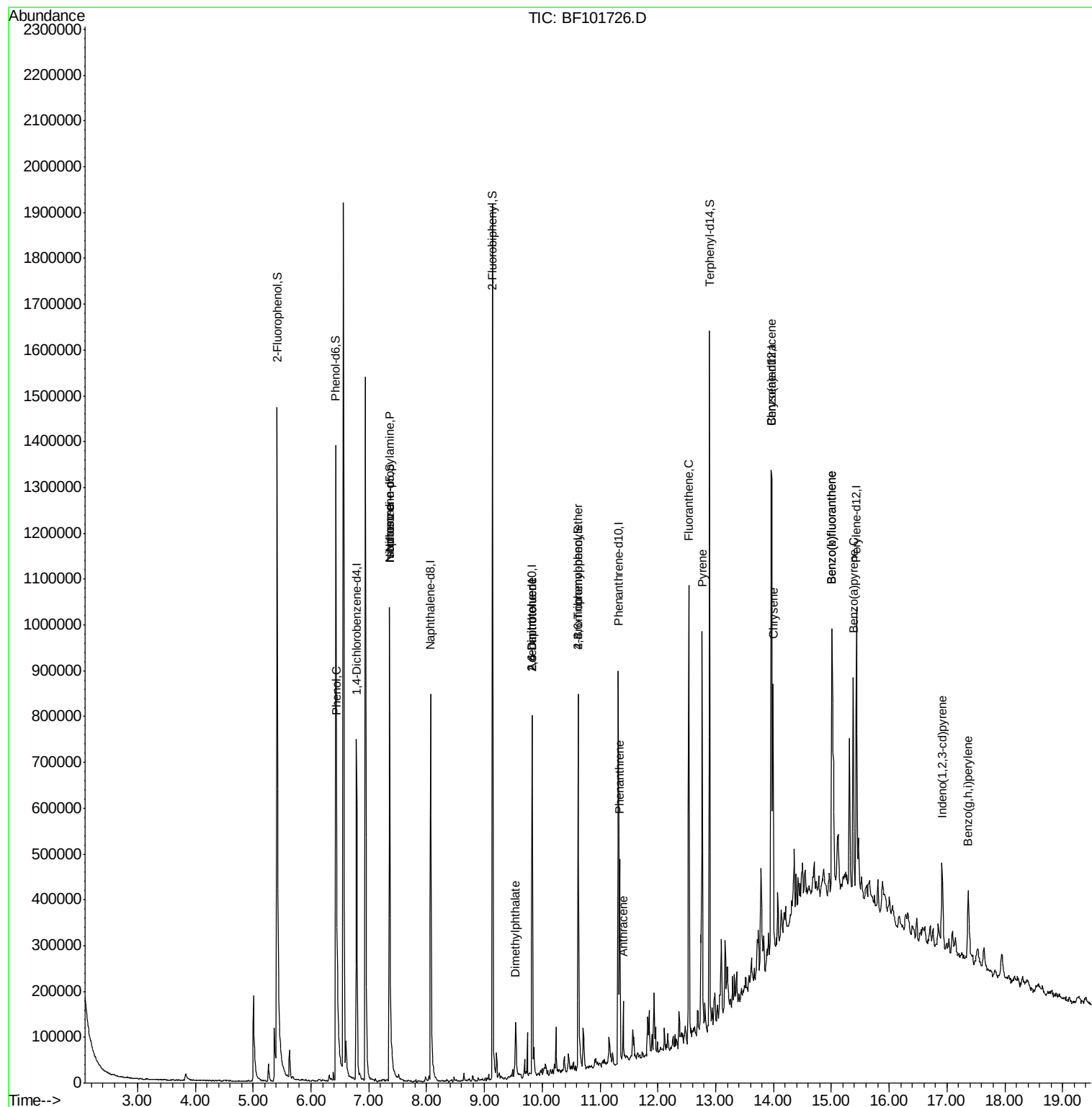
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	31395	2.618	ng	# 48
19) n-Nitroso-di-n-propylamine	7.36	70	56751	8.213	ng	# 82
25) Isophorone	7.36	82	432127	27.855	ng	# 64
49) Dimethylphthalate	9.54	163	57804	4.495	ng	100
50) 2,6-Dinitrotoluene	9.82	165	21294	8.147	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	21294	7.231	ng	# 24
66) 4-Bromophenyl-phenylether	10.62	248	7052	2.223	ng	# 1
70) Phenanthrene	11.34	178	169184	10.778	ng	99
71) Anthracene	11.40	178	51780	3.229	ng	98
74) Fluoranthene	12.53	202	388882	23.603	ng	98
77) Pyrene	12.76	202	370935	16.222	ng	99
80) Benzo(a)anthracene	13.96	228	257312	12.790	ng	98
82) Chrysene	13.99	228	226119	11.904	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	149159	8.818	ng	# 88
87) Benzo(b)fluoranthene	15.01	252	436610	21.405	ng	96
88) Benzo(k)fluoranthene	15.01	252	436610	22.015	ng	99
89) Benzo(a)pyrene	15.37	252	240967	12.815	ng	97
91) Benzo(a,h,i)perylene	17.37	276	138303	8.651	ng	# 95

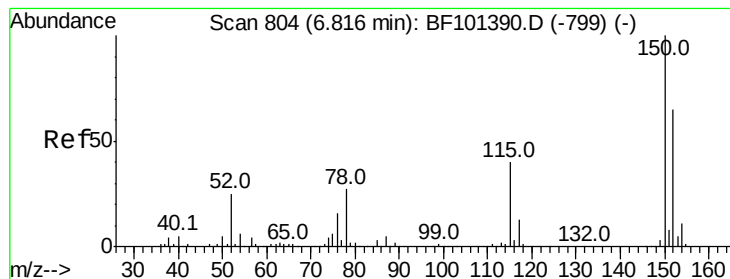
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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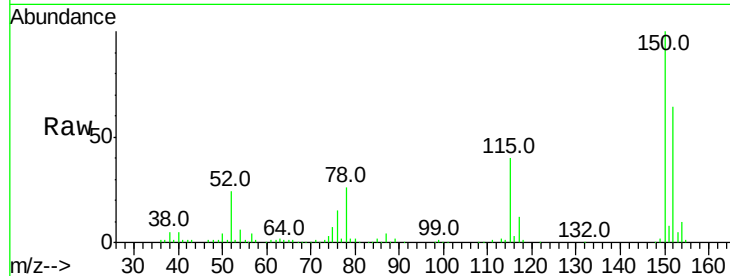


#1

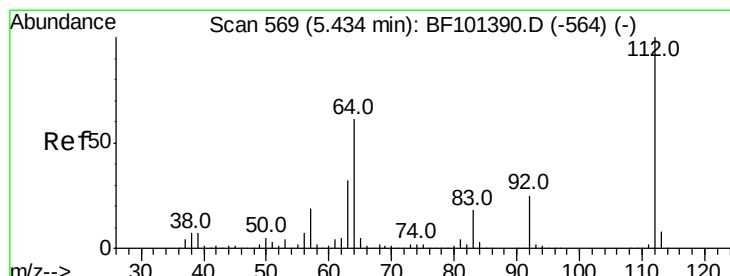
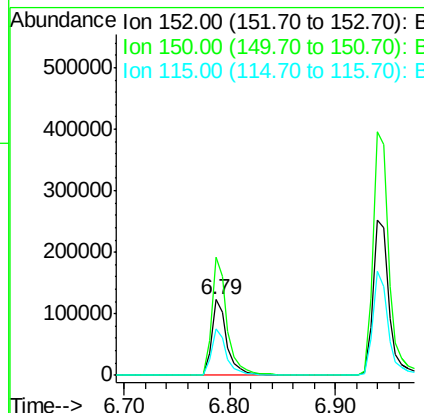
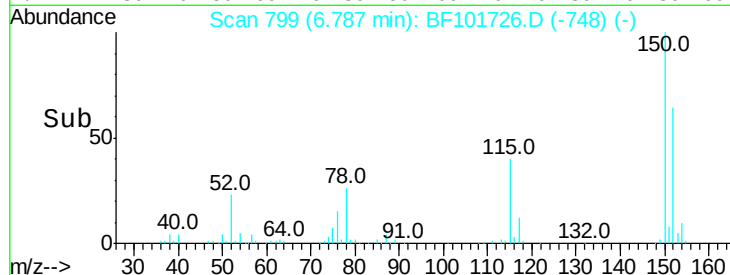
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Tot Ion:152 Resp: 125935
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 62.2 50.1 75.1



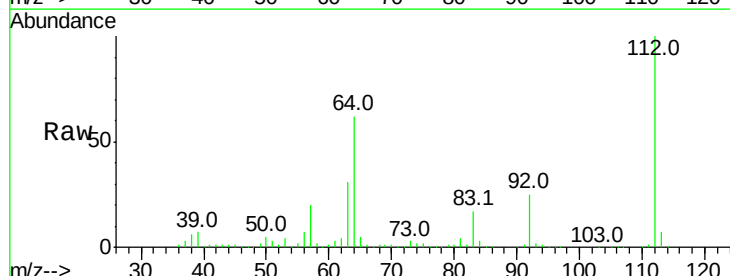
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



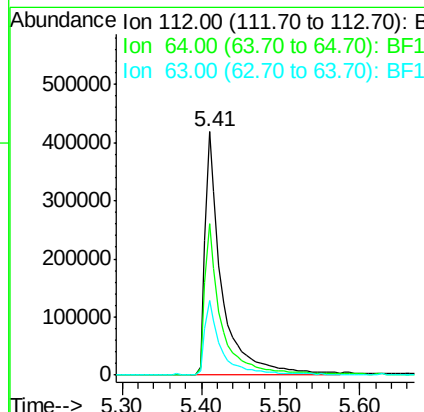
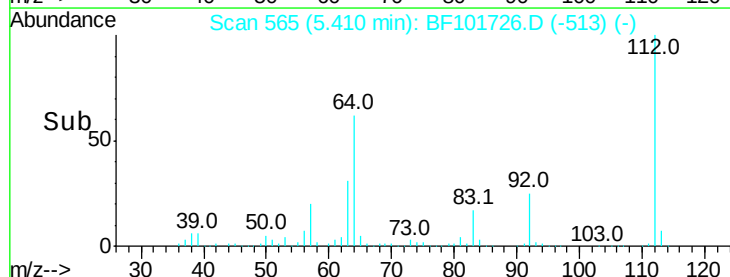
#5

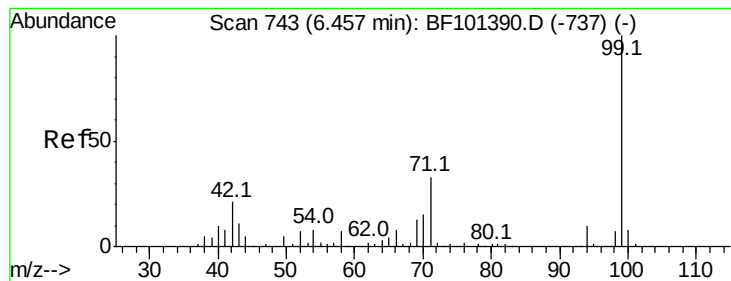
2-Fluorophenol
 Concen: 74.374 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion:112 Resp: 628787
 Ion Ratio Lower Upper
 112 100
 64 62.0 47.9 71.9
 63 30.8 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: 65.522 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

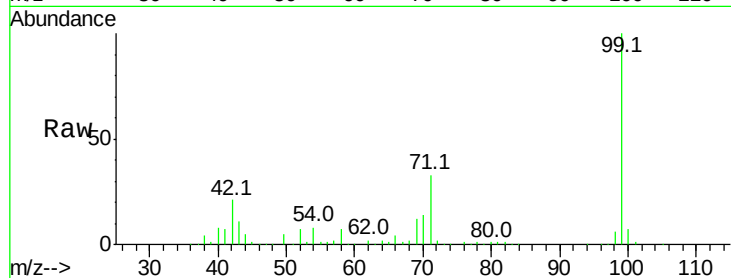
Tot Ion: 99 Resp: 689413

Ion Ratio Lower Upper

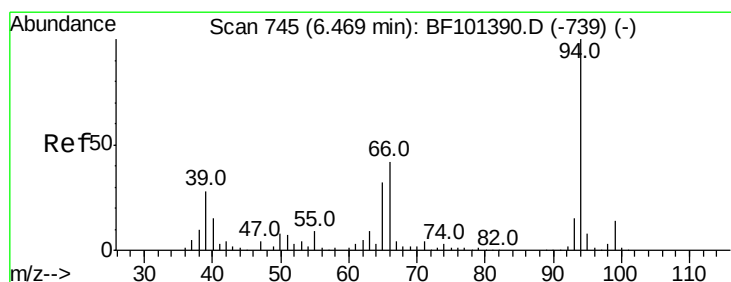
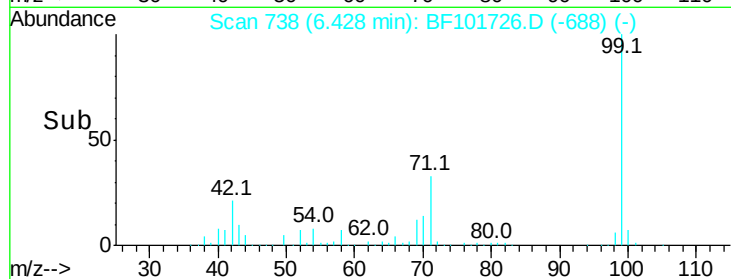
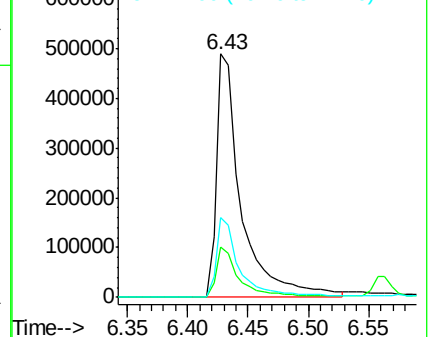
99 100

42 20.7 14.5 21.7

71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.618 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

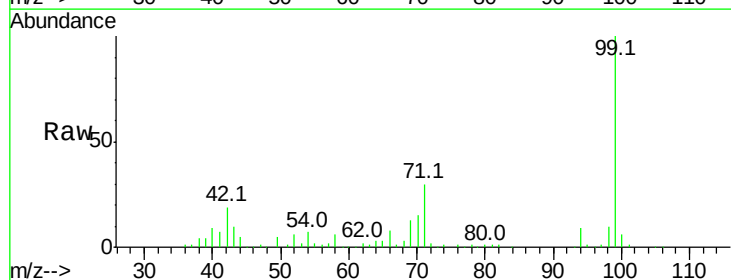
Tgt Ion: 94 Resp: 31395

Ion Ratio Lower Upper

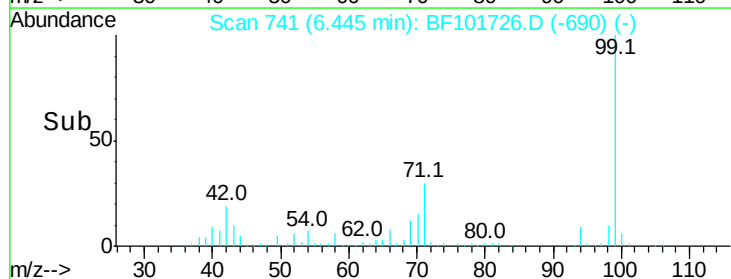
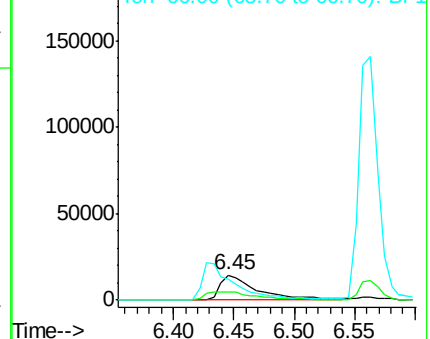
94 100

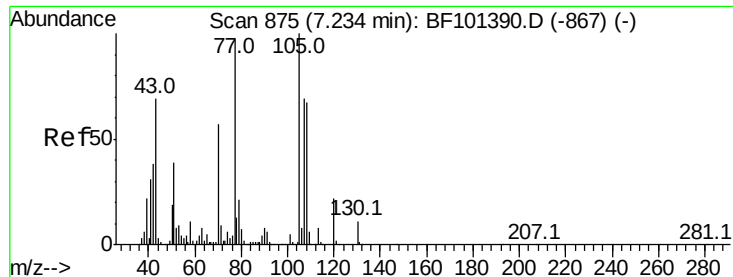
65 35.0 7.9 47.9

66 84.2 16.2 56.2#



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: 8.213 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

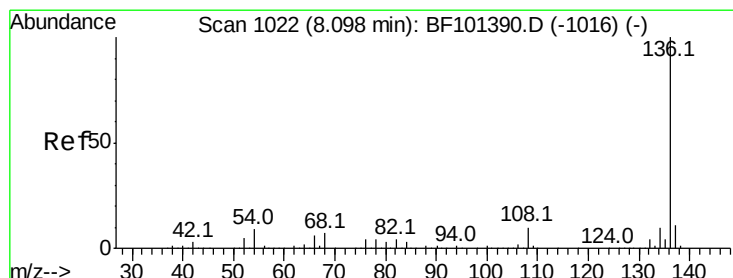
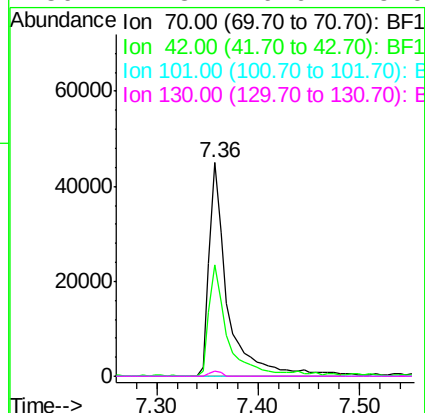
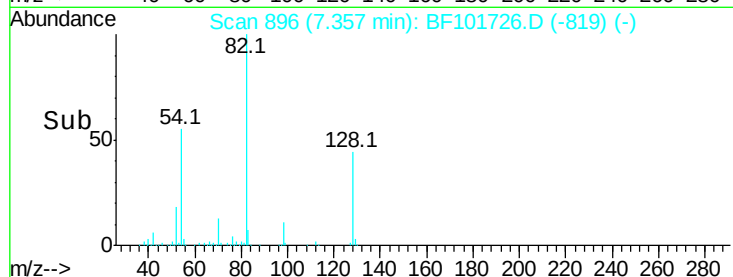
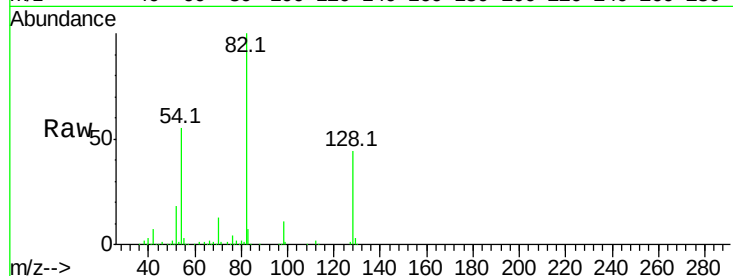
Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :
BNA_F
ClientSampleId :
72-11938

Tot Ion: 70 Resp: 56751

Ion	Ratio	Lower	Upper
70	100		
42	52.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

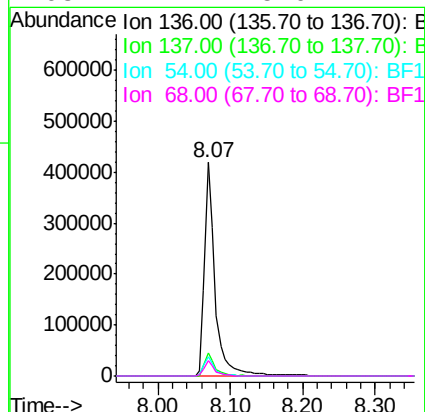
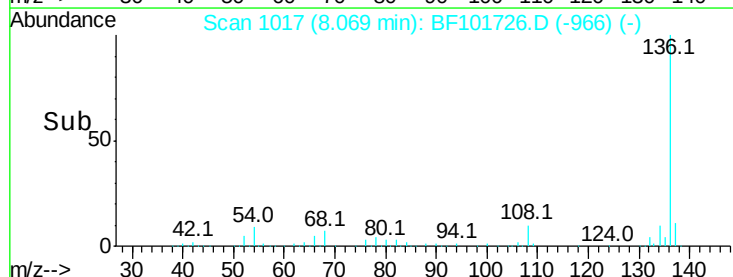
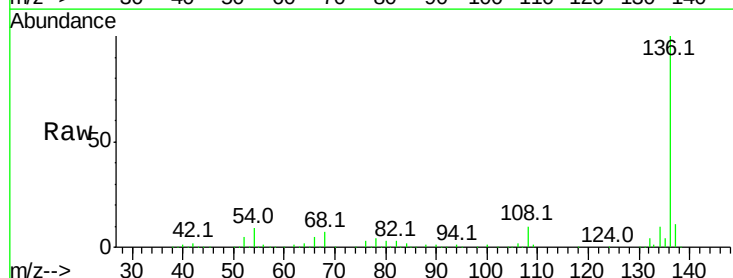
Delta R.T. -0.00 min

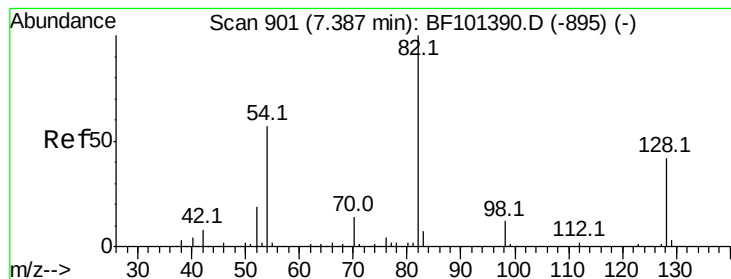
Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Tgt Ion: 136 Resp: 430471

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	7.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 55.880 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampled :

72-11938

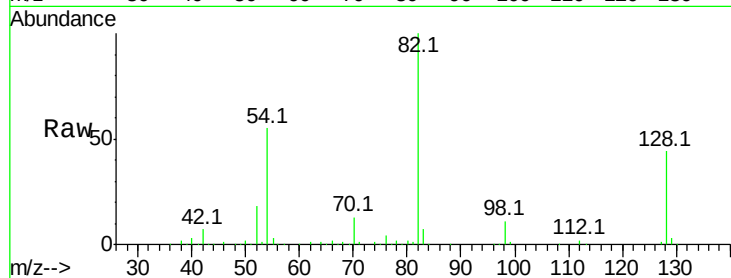
Tot Ion: 82 Resp: 432127

Ion Ratio Lower Upper

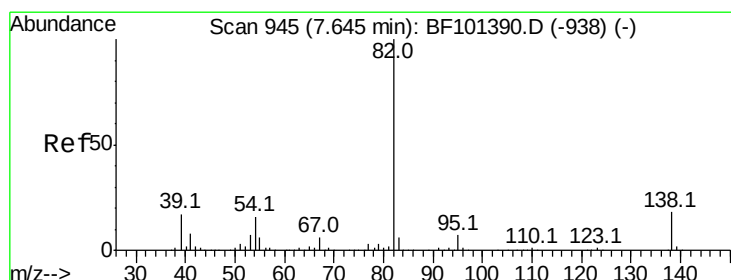
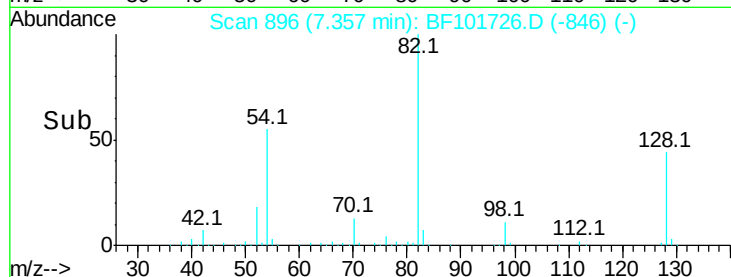
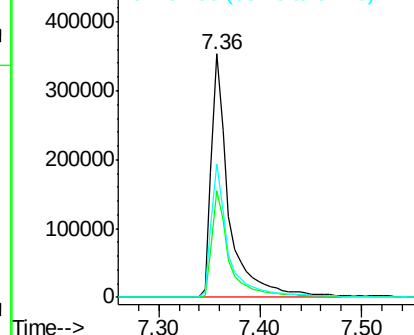
82 100

128 43.7 36.1 54.1

54 54.7 41.4 62.2



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: 27.855 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

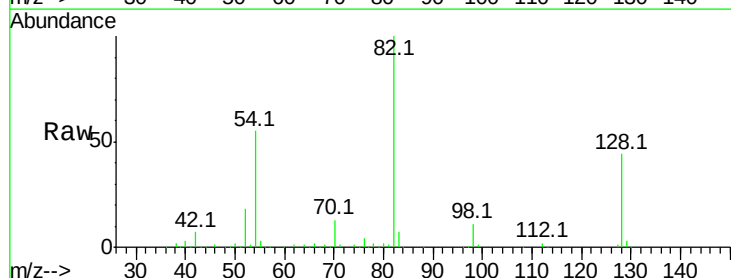
Tgt Ion: 82 Resp: 432127

Ion Ratio Lower Upper

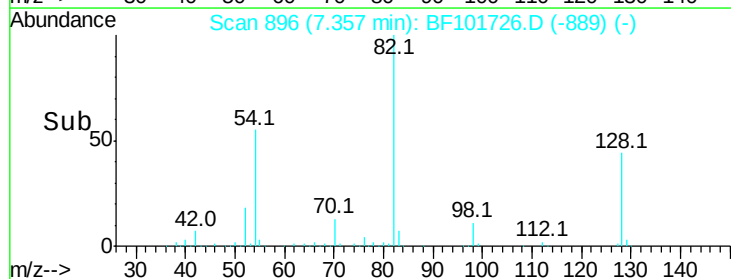
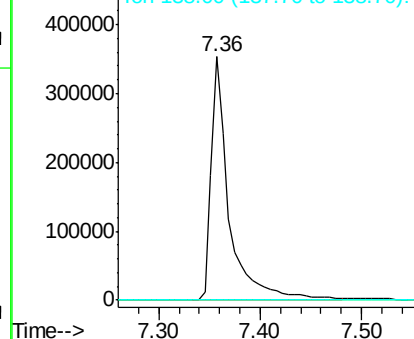
82 100

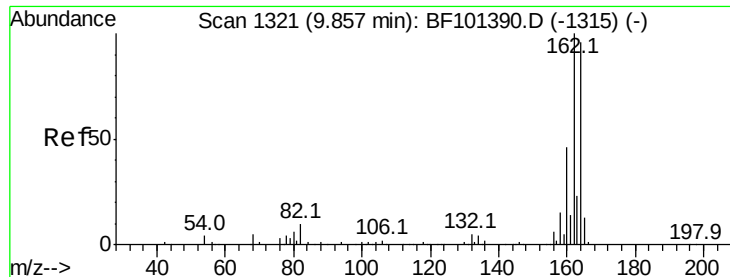
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

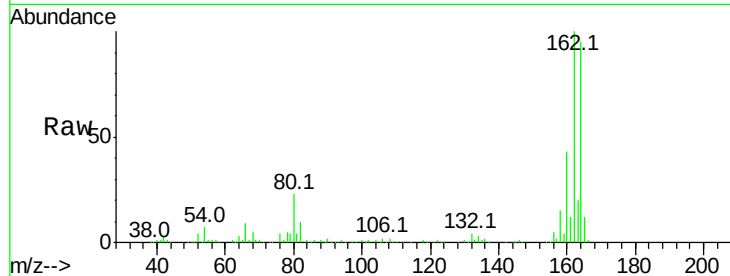




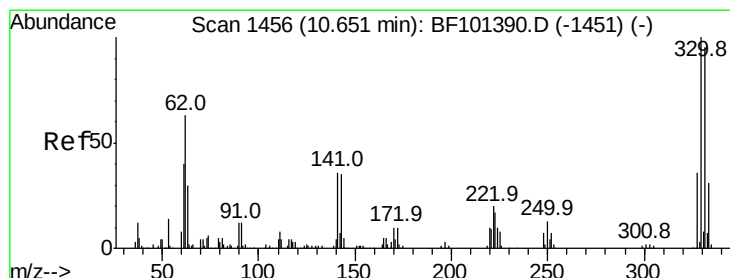
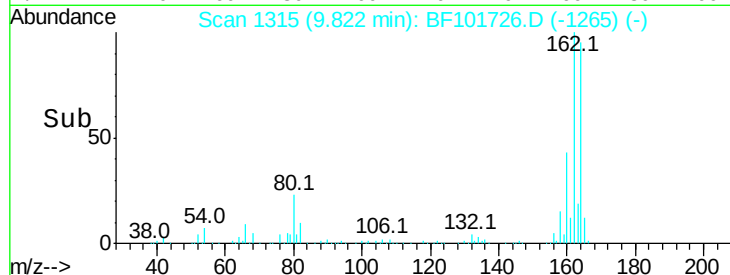
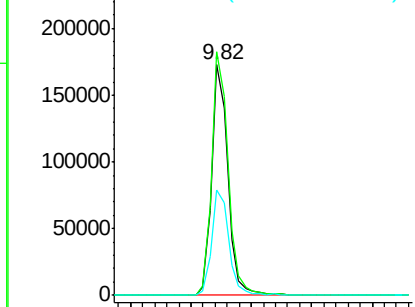
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Tot Ion:164 Resp: 159873
 Ion Ratio Lower Upper
 164 100
 162 105.7 86.1 129.1
 160 45.9 38.3 57.5

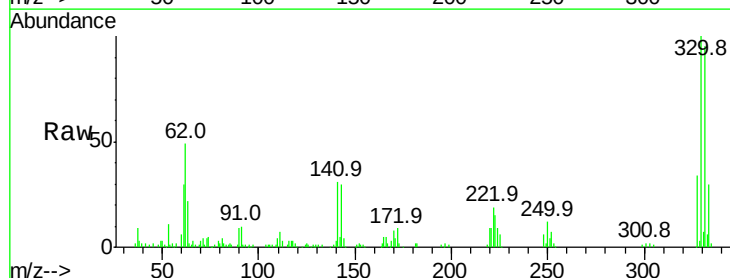


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

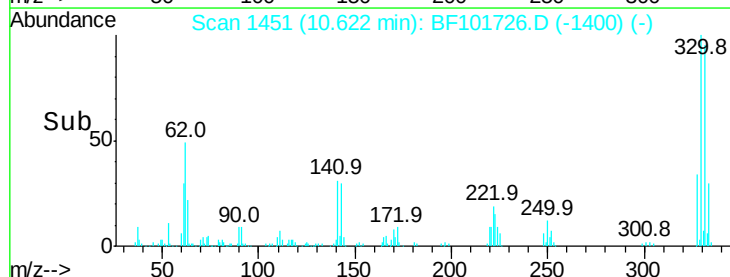
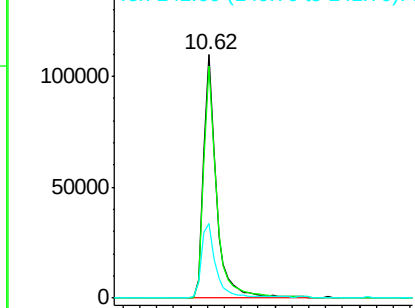


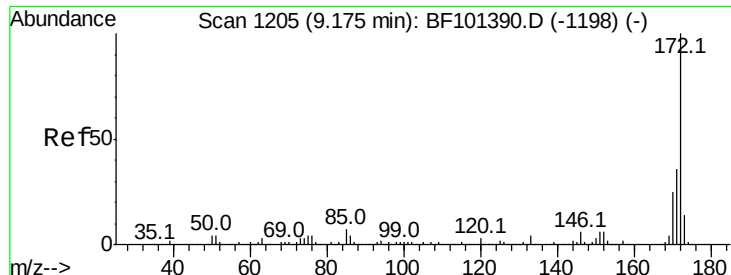
#41
 2,4,6-Tribromophenol
 Concen: 75.947 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion:330 Resp: 116997
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 34.5 29.9 44.9



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

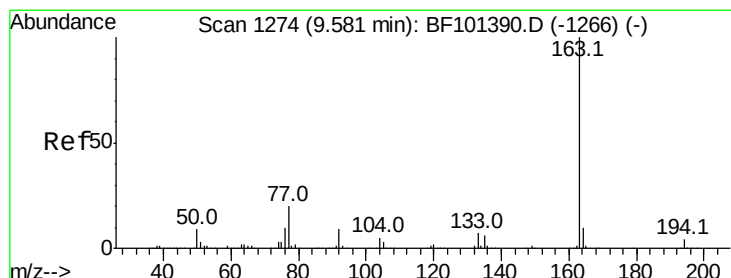
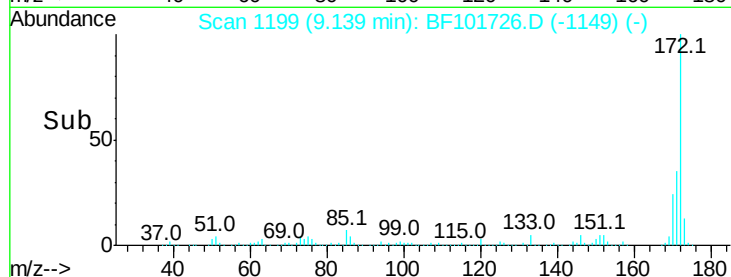
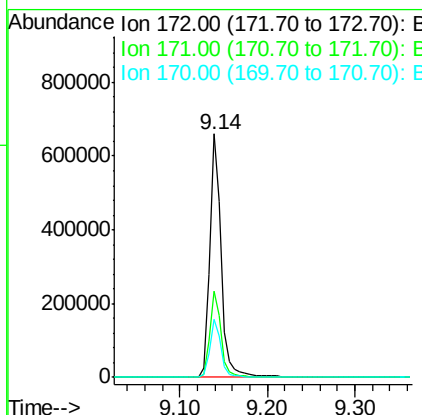
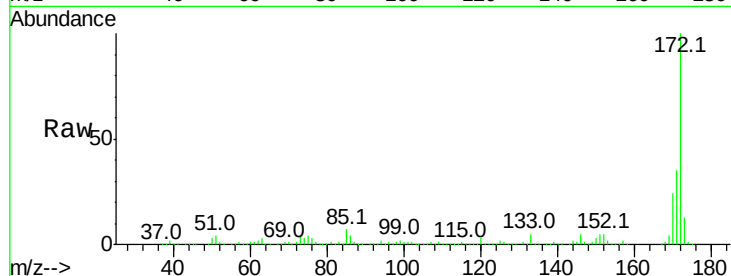




#44
2-Fluorobiphenyl
Concen: 58.245 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

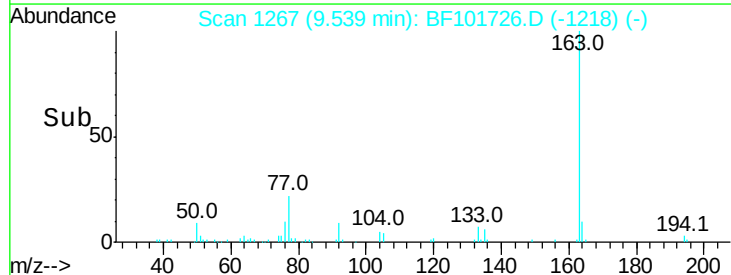
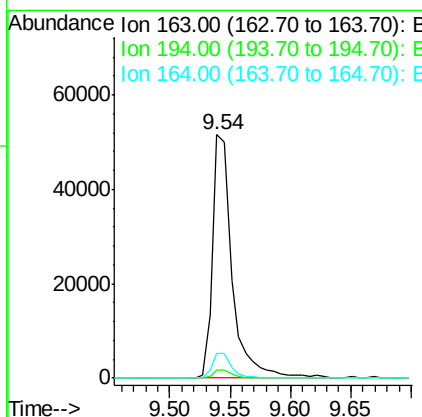
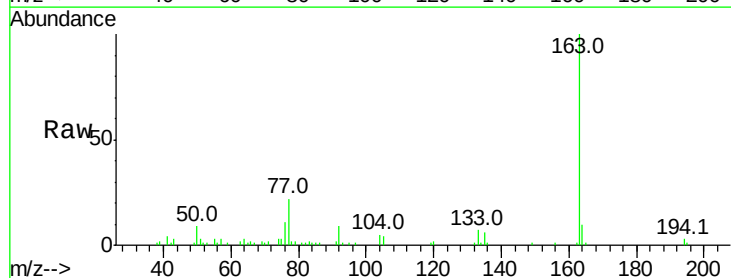
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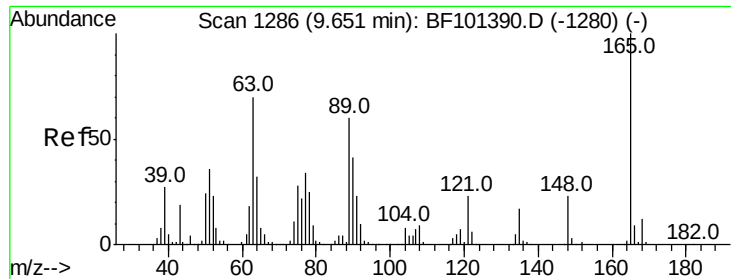
Tot Ion:172 Resp: 600276
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 4.495 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion:163 Resp: 57804
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2

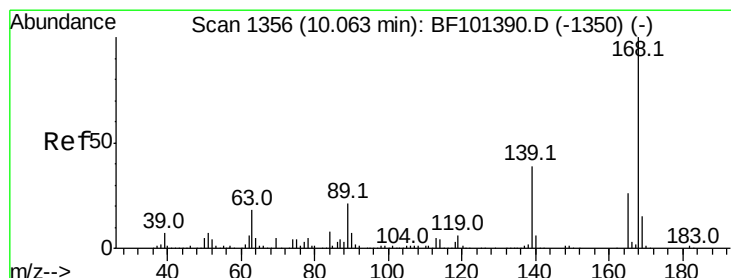
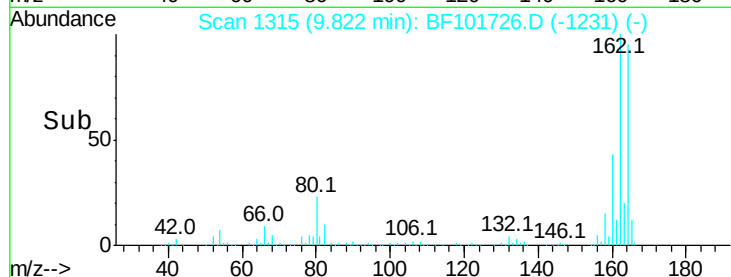
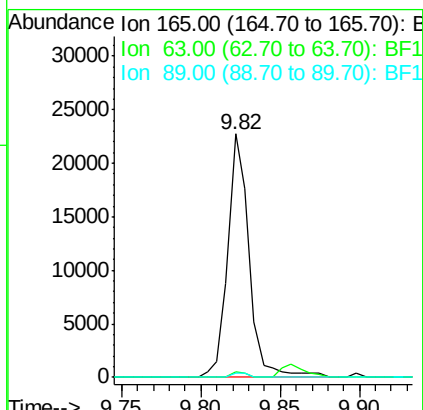
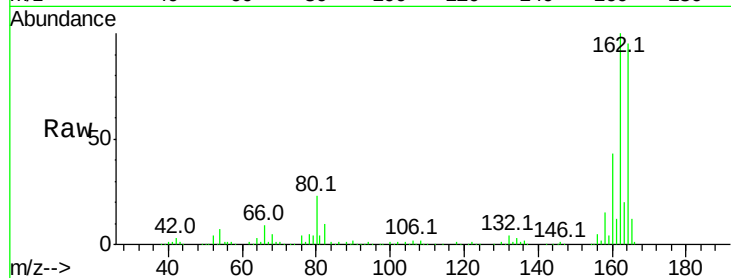




#50
 2,6-Dinitrotoluene
 Concen: 8.147 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

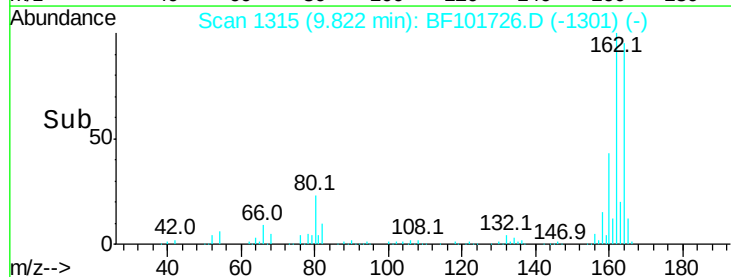
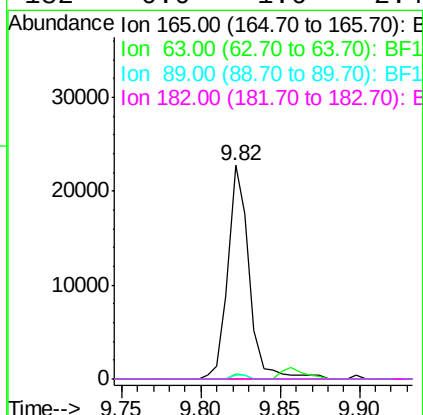
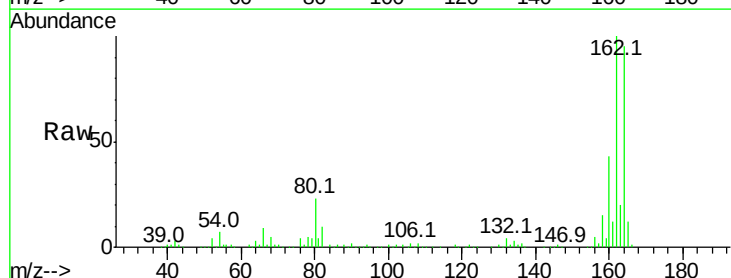
Instrument :
 BNA_F
 ClientSampleId :
 72-11938

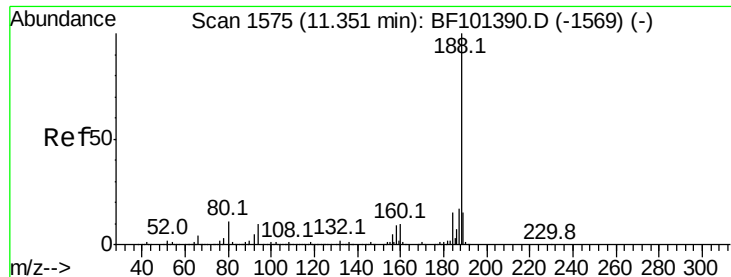
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.231 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

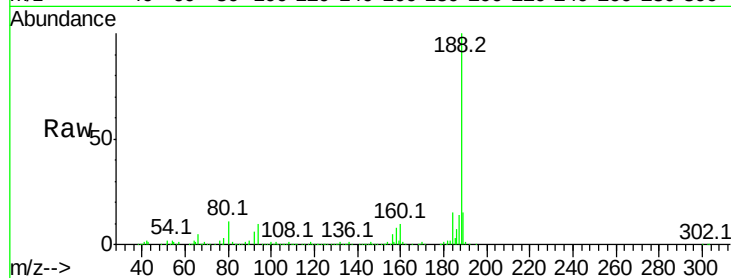
Tot Ion:188 Resp: 282263

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

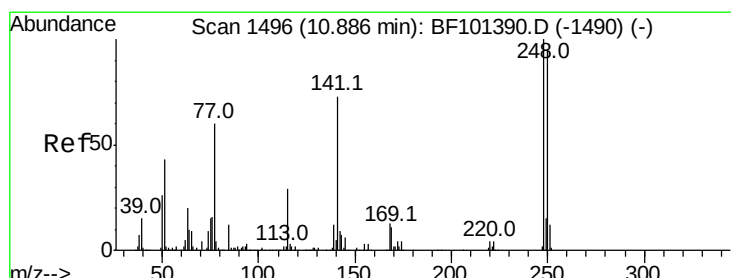
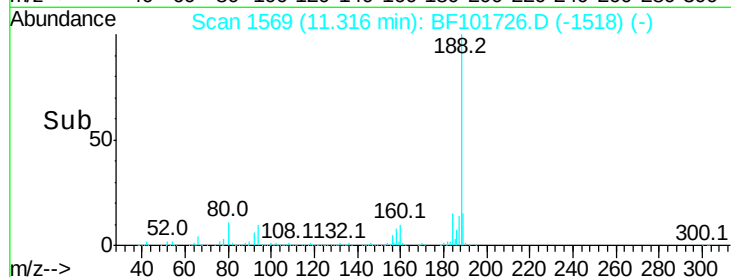
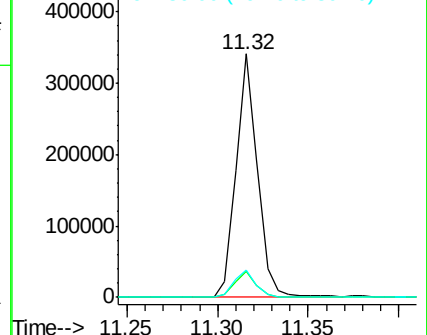
80 11.4 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.223 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.23 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

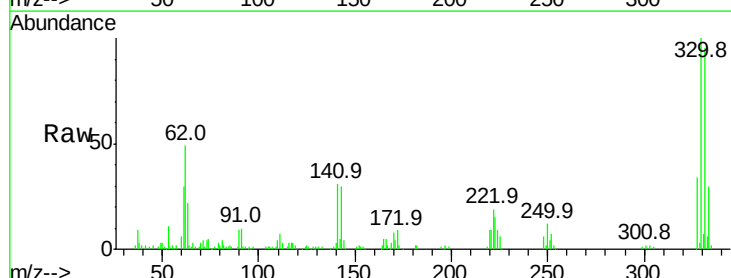
Tgt Ion:248 Resp: 7052

Ion Ratio Lower Upper

248 100

250 198.1 76.9 115.3#

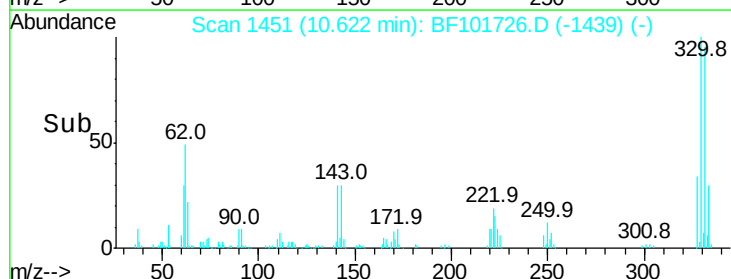
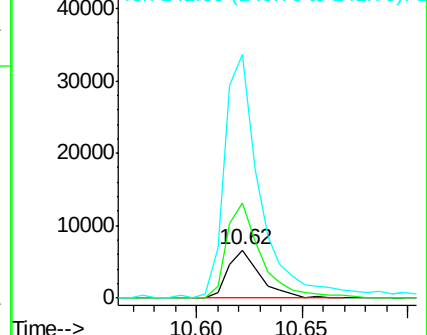
141 503.7 74.4 111.6#

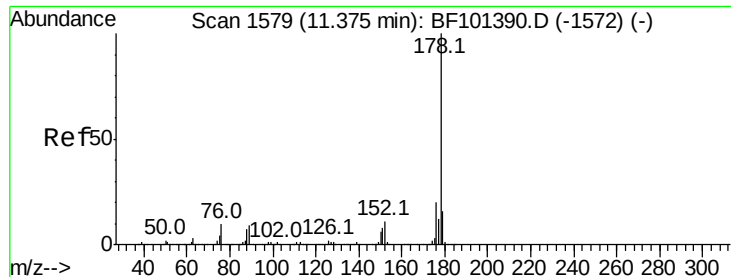


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 10.778 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

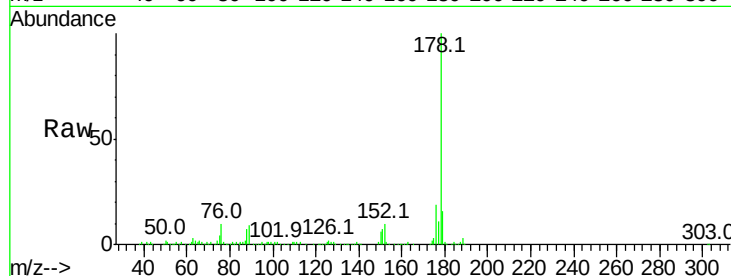
Tot Ion:178 Resp: 169184

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

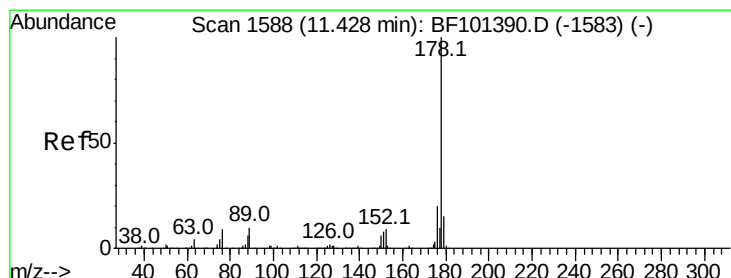
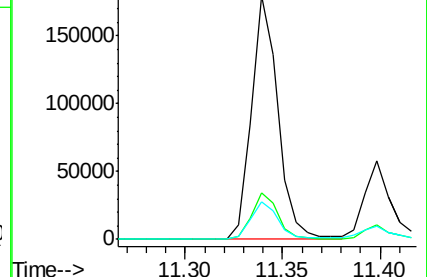
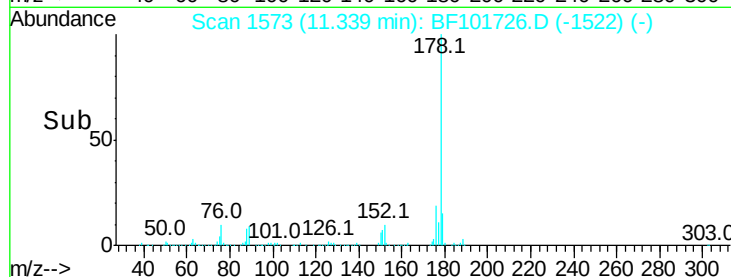
179 15.6 13.0 19.6



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



#71

Anthracene

Concen: 3.229 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

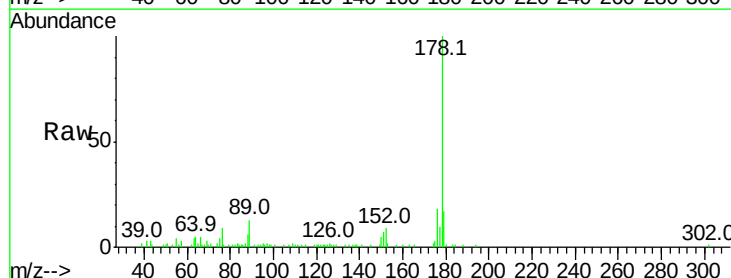
Tgt Ion:178 Resp: 51780

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

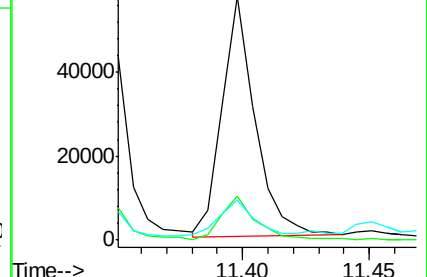
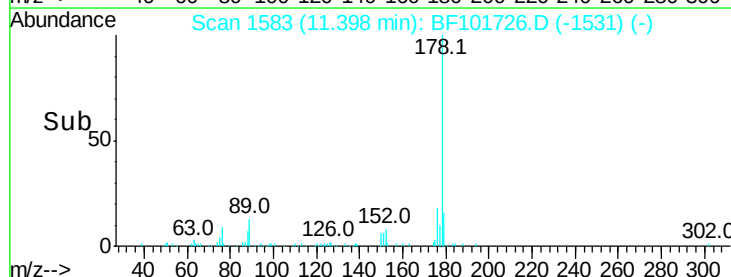
179 16.6 12.6 19.0

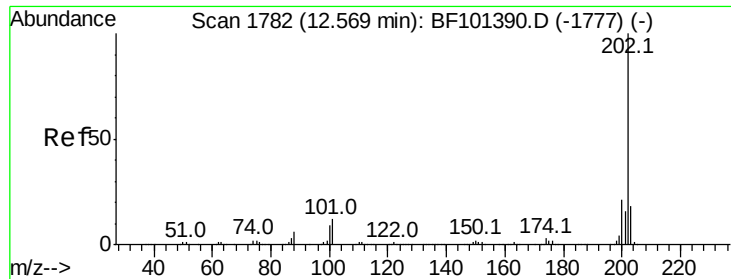


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.603 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampled :

72-11938

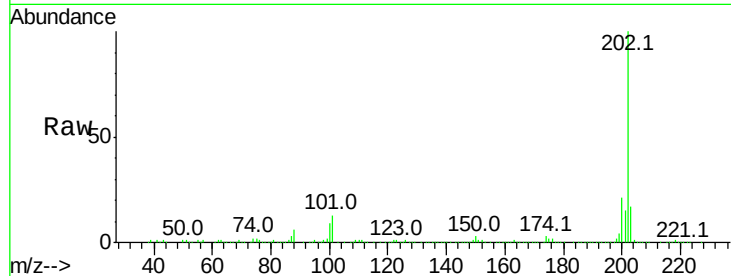
Tot Ion:202 Resp: 388882

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

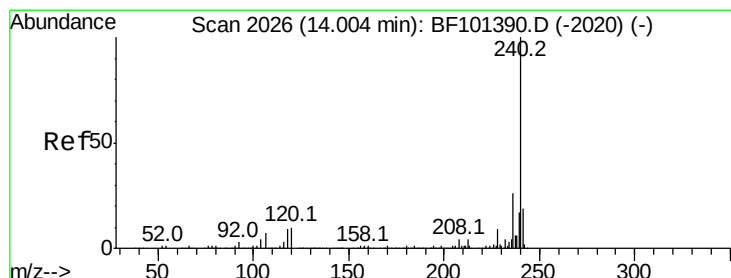
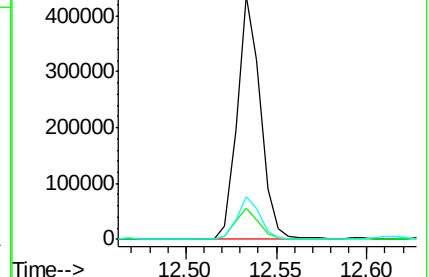
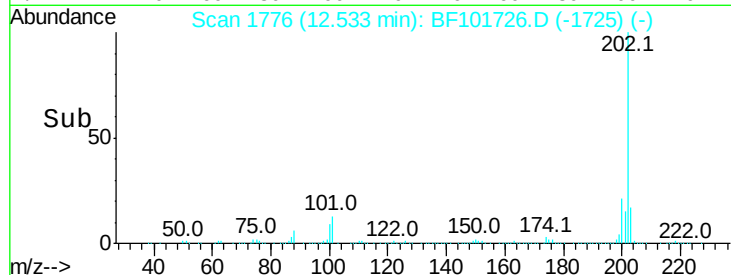
203 17.3 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

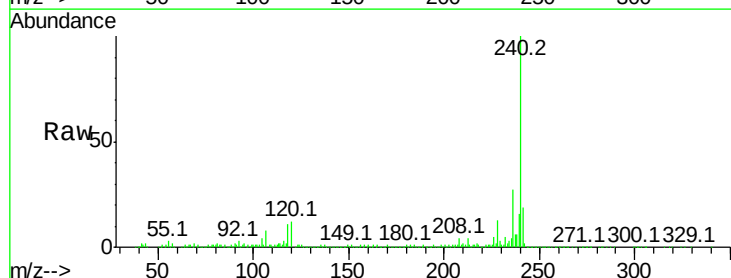
Tgt Ion:240 Resp: 304686

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

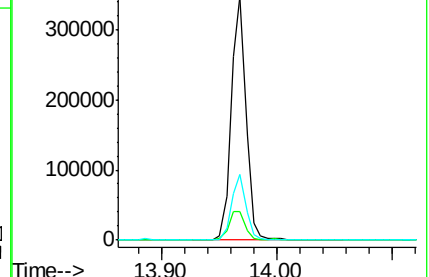
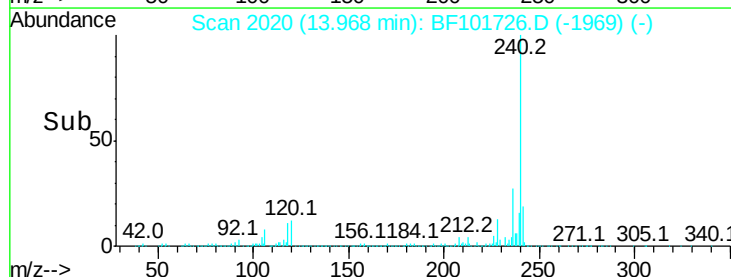
236 26.8 20.7 31.1

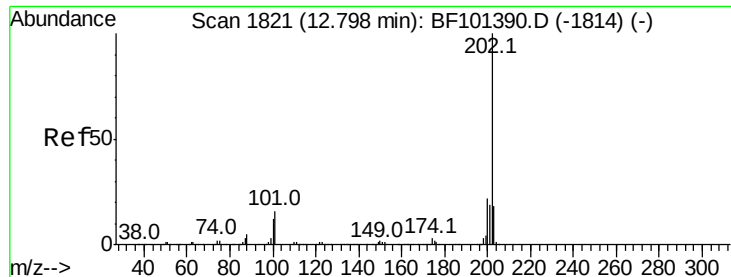


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

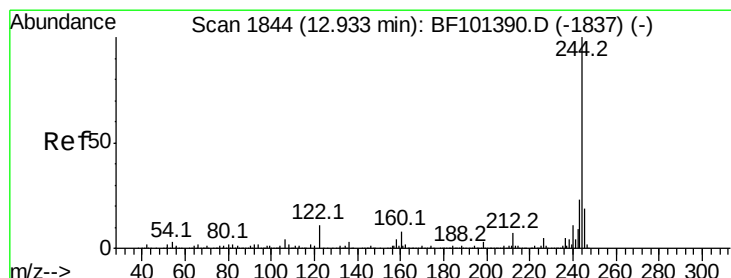
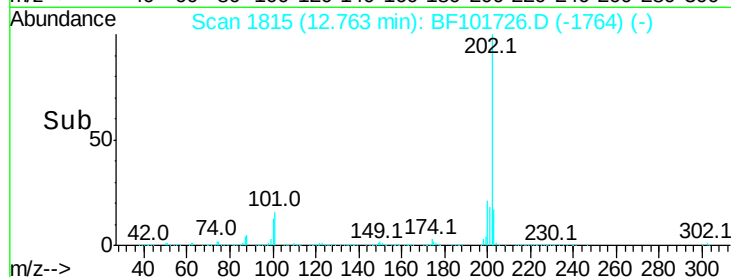
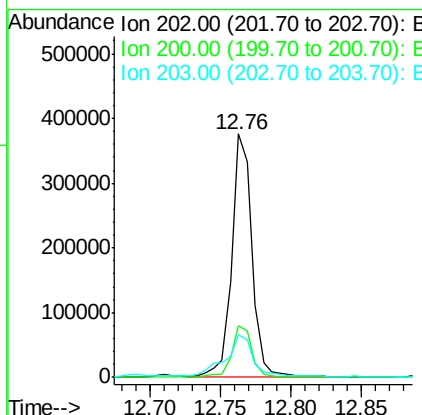
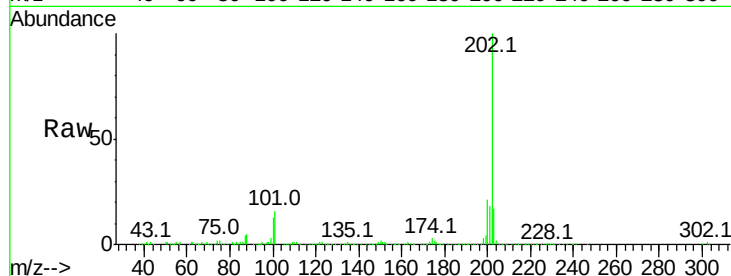




#77
Pvrene
Concen: 16.222 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

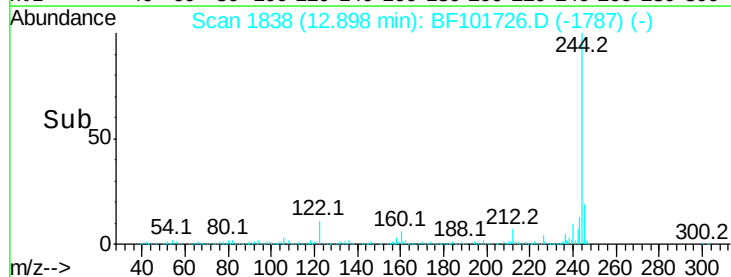
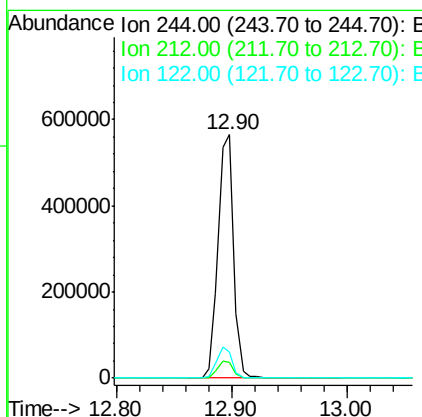
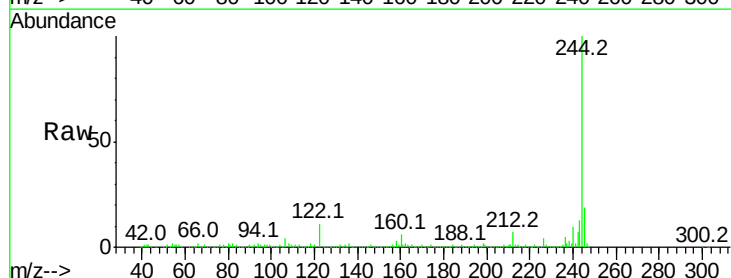
Instrument :
BNA_F
ClientSampleId :
72-11938

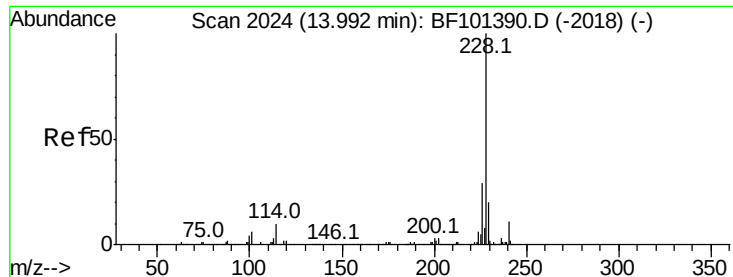
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5



#78
Terphenyl-d14
Concen: 42.042 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.8	11.0	16.4





#80

Benzo(a)anthracene

Concen: 12.790 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

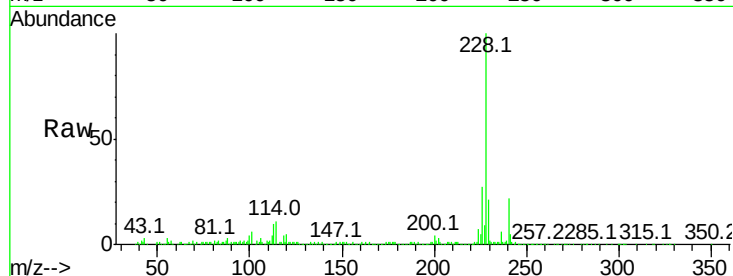
Tot Ion:228 Resp: 257312

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

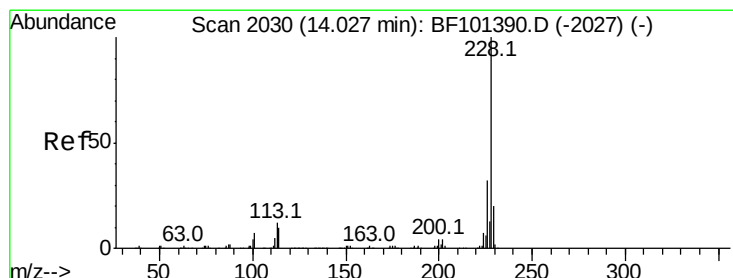
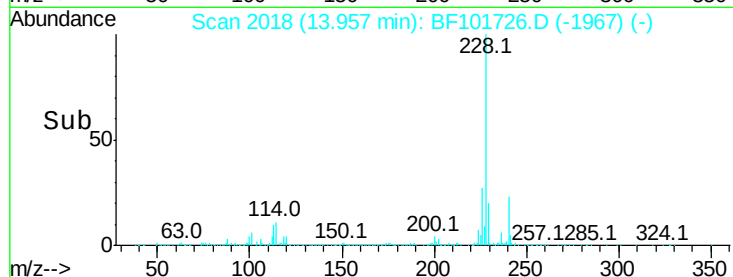
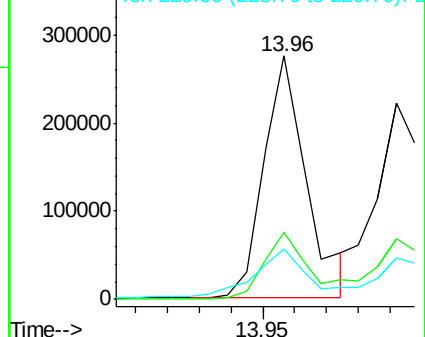
229 20.8 15.8 23.6



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



#82

Chrysene

Concen: 11.904 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

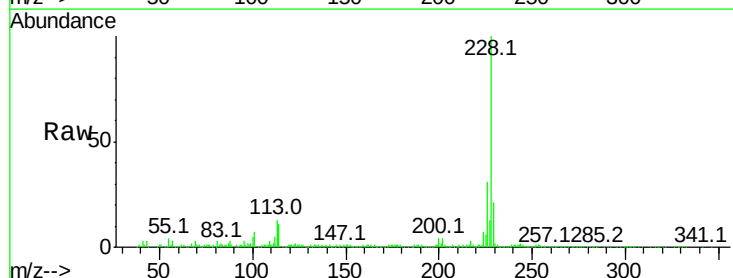
Tgt Ion:228 Resp: 226119

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

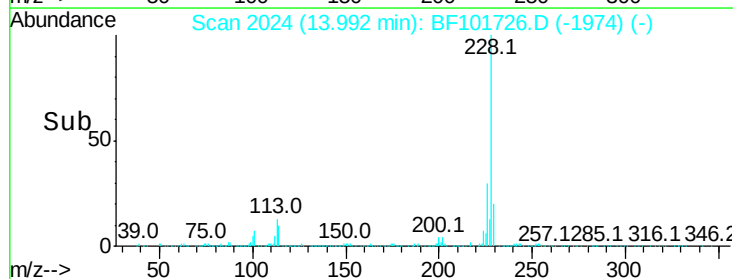
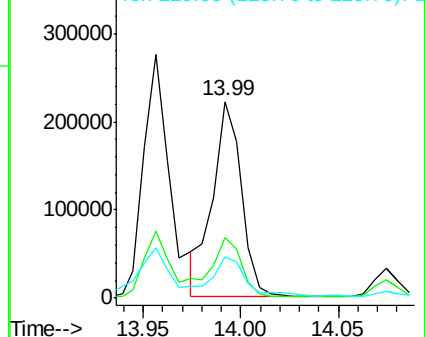
229 20.9 16.2 24.4

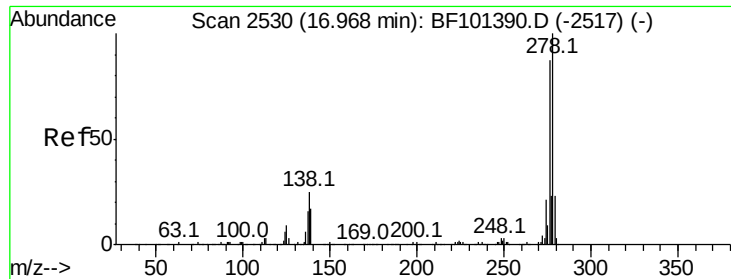


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

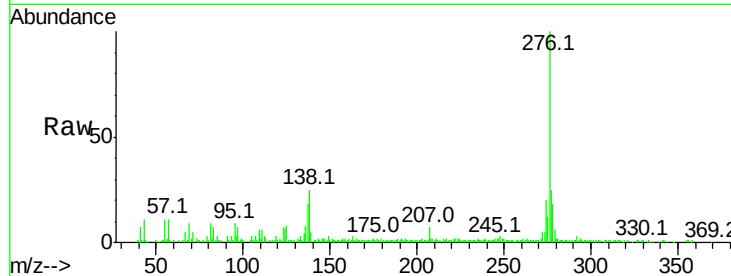




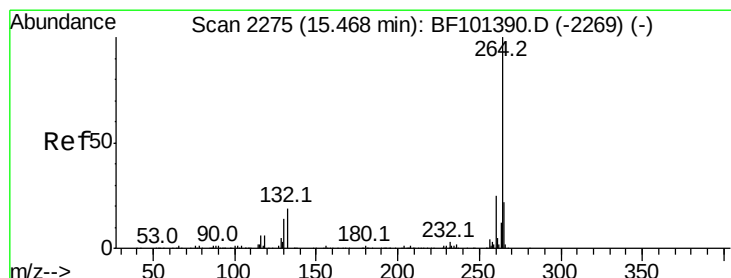
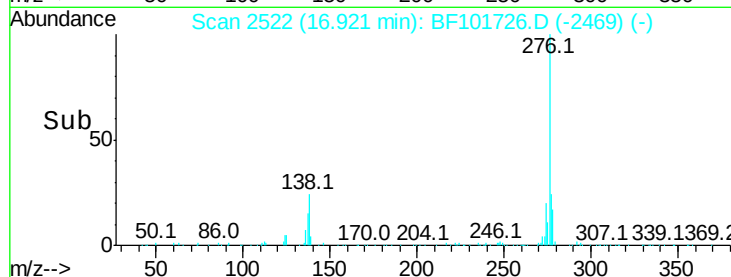
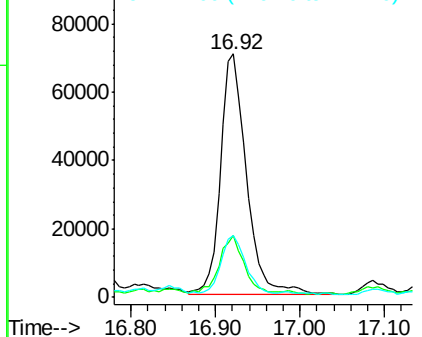
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.818 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.0	37.6#
277	23.0	20.1	30.1

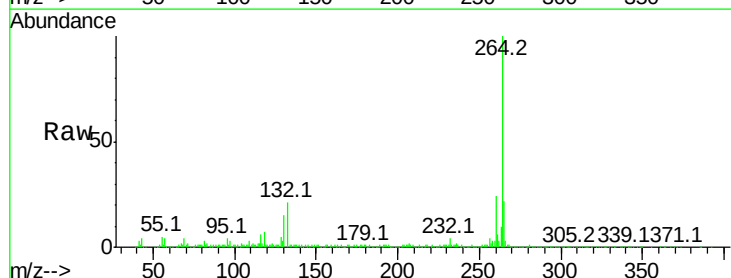


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

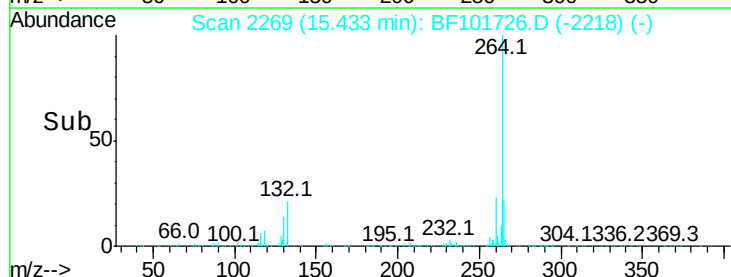
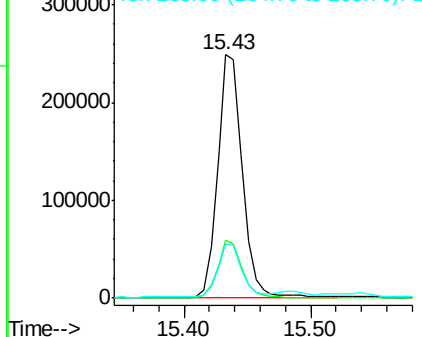


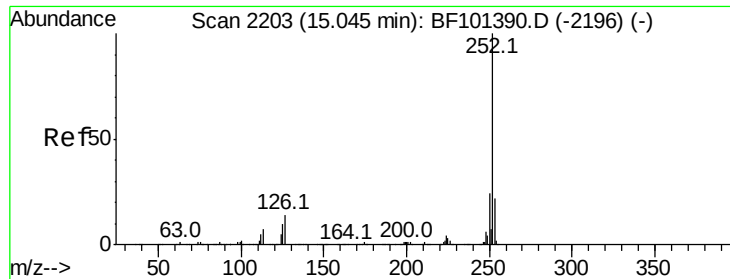
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.3	17.5	26.3



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

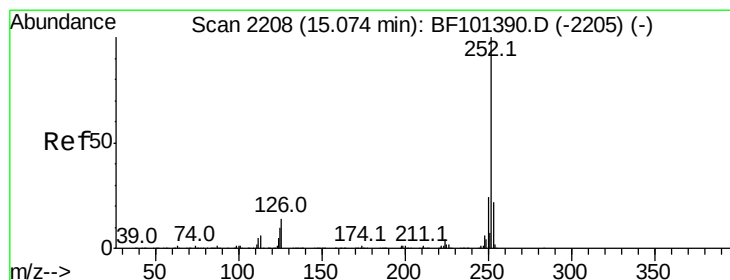
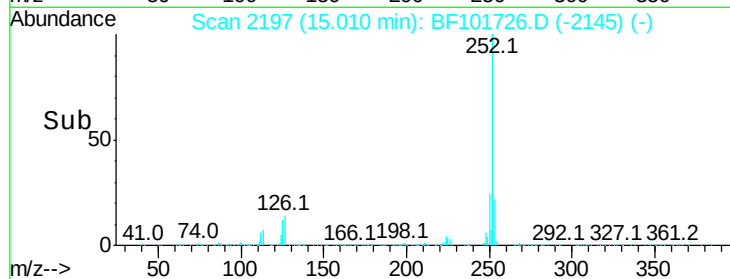
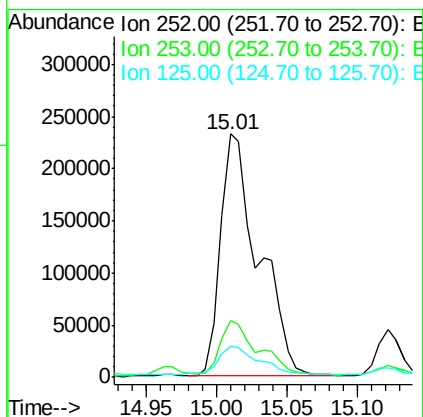
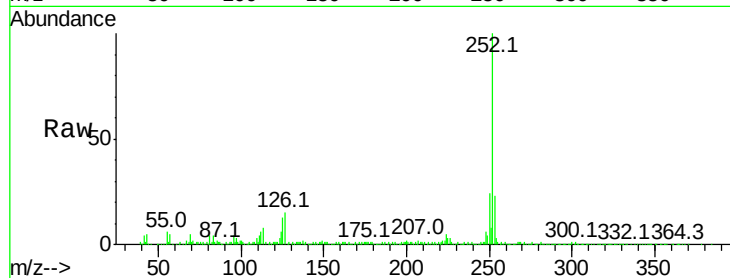




#87
Benzo(b)fluoranthene
Concen: 21.405 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

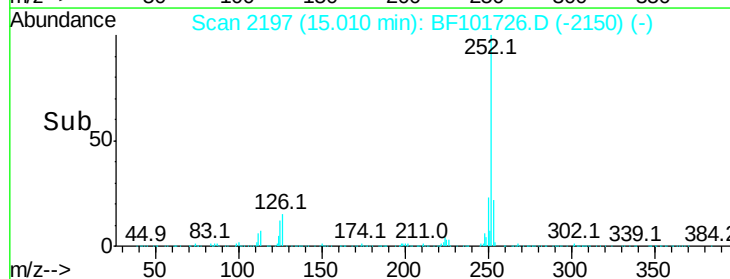
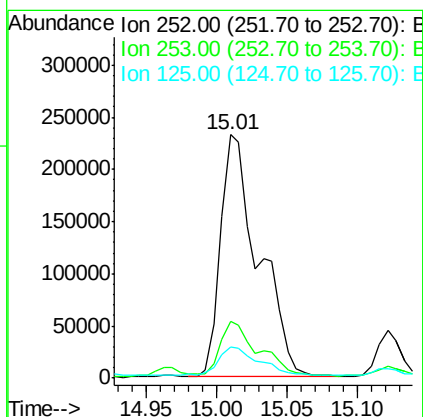
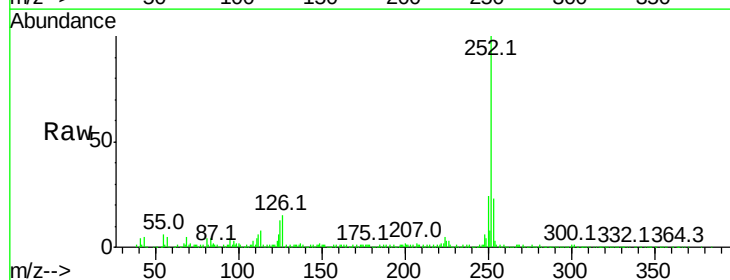
Instrument :
BNA_F
ClientSampleId :
72-11938

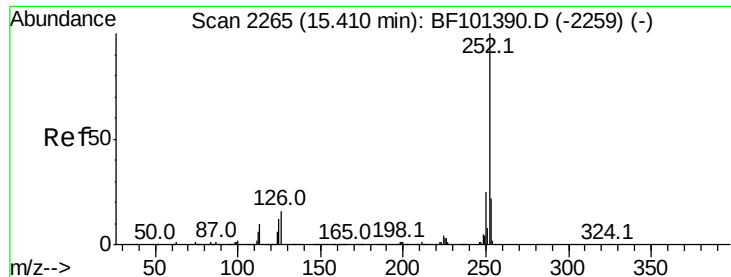
Tot Ion:252 Resp: 436610
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 13.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 22.015 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion:252 Resp: 436610
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 12.815 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

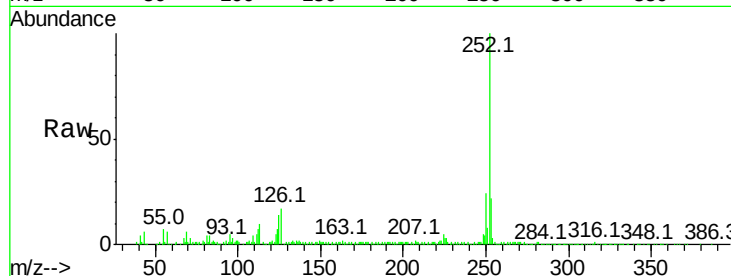
Tot Ion:252 Resp: 240967

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.4	9.8	14.6

252 100

253 22.4 17.1 25.7

125 14.4 9.8 14.6

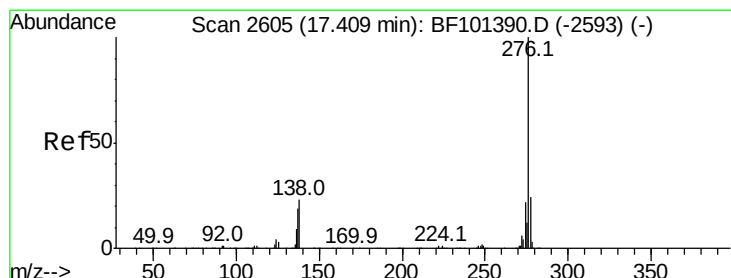
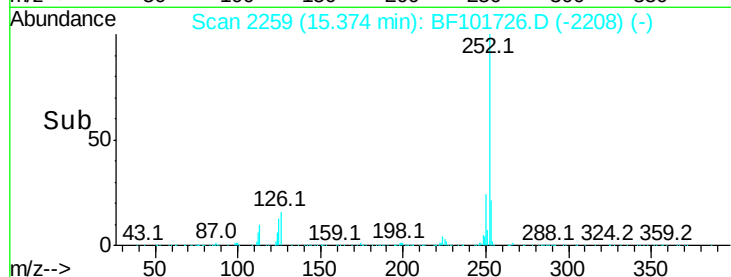
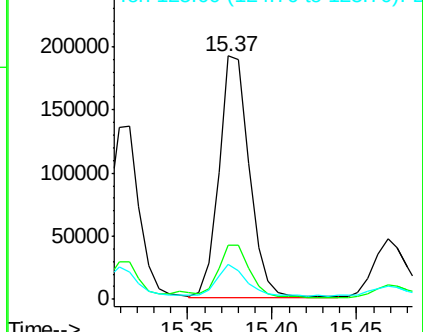


Abundance

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

Benzo(g,h,i)perylene

Concen: 8.651 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

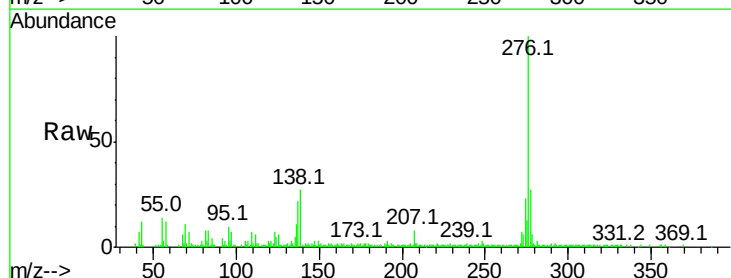
Tgt Ion:276 Resp: 138303

Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	27.0	21.8	32.8

276 100

277 26.9 17.9 26.9#

138 27.0 21.8 32.8



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

