

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100301.D
 Acq On : 8 Nov 2017 19:37
 Operator : SJ/JU
 Sample : I6300-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 09 00:12:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 14:33:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	190349	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	751286	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	329087	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	554638	20.00	ng	0.00
75) Chrysene-d12	14.06	240	369827	20.00	ng	-0.01
86) Perylene-d12	15.54	264	399796	20.00	ng	0.00

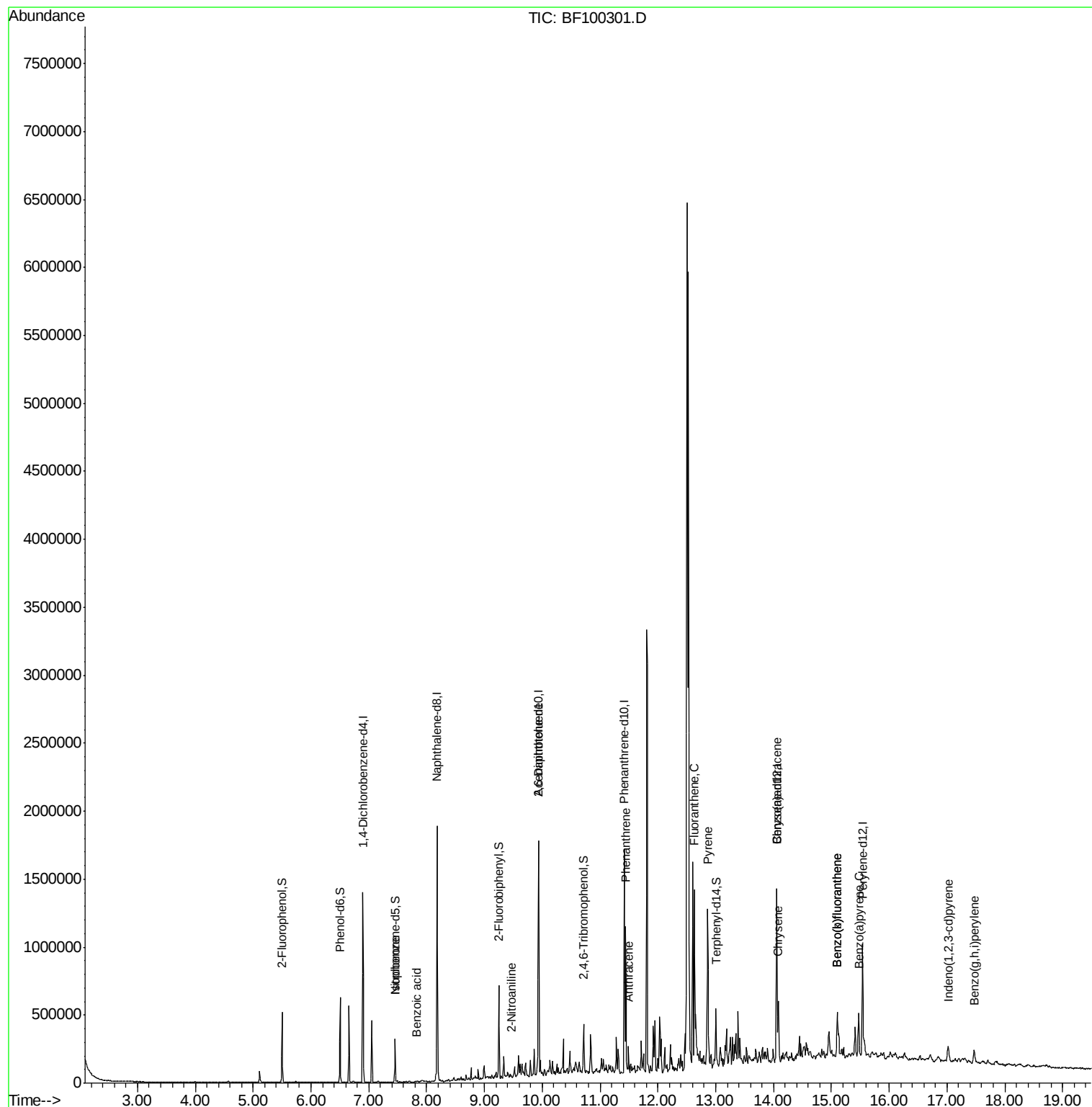
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	135638	11.42	ng	-0.01
7) Phenol-d6	6.50	99	164608	11.24	ng	-0.02
23) Nitrobenzene-d5	7.45	82	86291	7.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	32727	9.76	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	180560	8.35	ng	-0.01
78) Terphenyl-d14	13.00	244	117329	7.29	ng	0.00

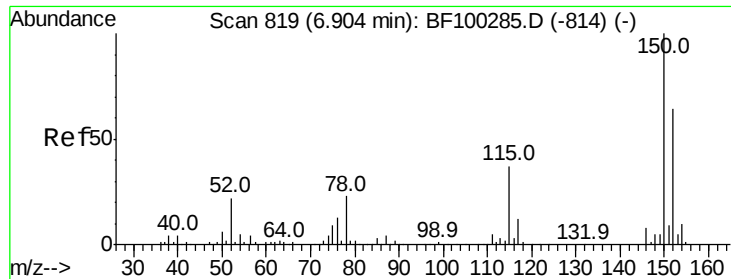
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.45	82	86289	3.613	ng	# 64
32) Benzoic acid	7.83	122	295	9.400	ng	94
47) 2-Nitroaniline	9.47	65	340	2.836	ng	# 2
50) 2,6-Dinitrotoluene	9.93	165	43953	8.837	ng	# 26
70) Phenanthrene	11.45	178	357372	12.238	ng	99
71) Anthracene	11.49	178	73686	2.487	ng	99
74) Fluoranthene	12.63	202	399737	12.916	ng	97
77) Pyrene	12.86	202	452191	17.153	ng	100
80) Benzo(a)anthracene	14.05	228	179647	8.066	ng	93
82) Chrysene	14.09	228	187233	8.682	ng	98
85) Indeno(1,2,3-cd)pyrene	17.02	276	73760	4.228	ng	94
87) Benzo(b)fluoranthene	15.10	252	254519	10.746	ng	99
88) Benzo(k)fluoranthene	15.10	252	254519	11.373	ng	99
89) Benzo(a)pyrene	15.47	252	151454	7.213	ng	97
91) Benzo(a,h,i)perylene	17.47	276	75346	4.482	ng	95

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

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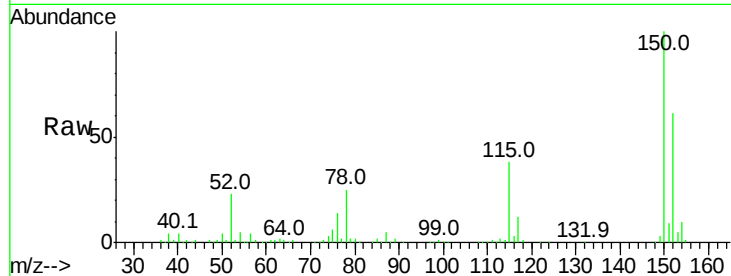




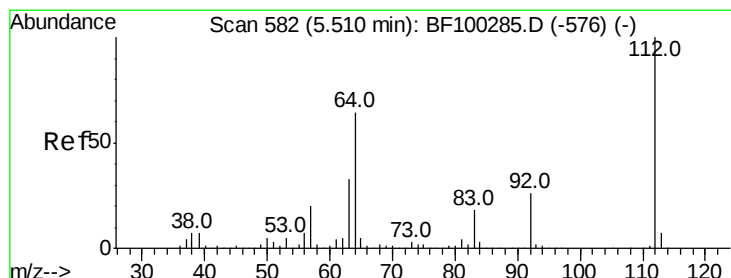
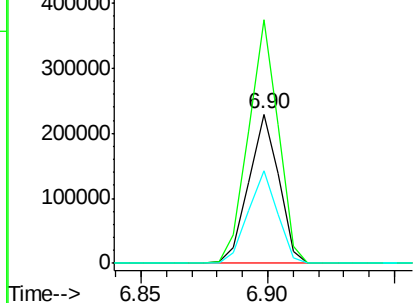
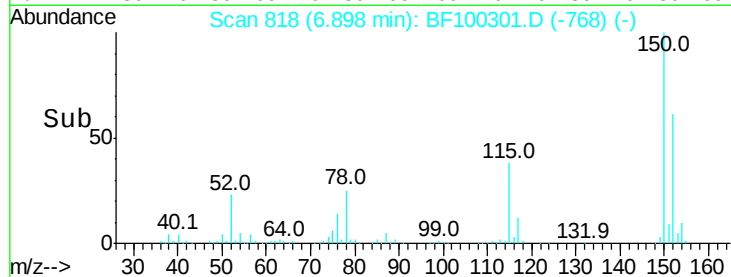
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	124.6	186.8
115	62.1	50.1	75.1



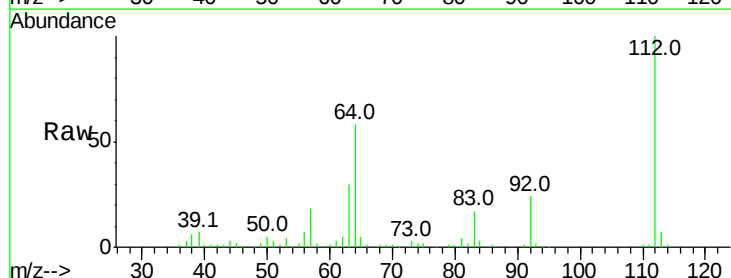
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



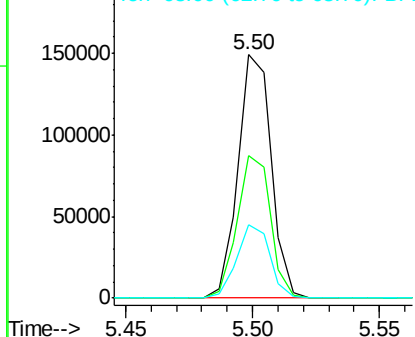
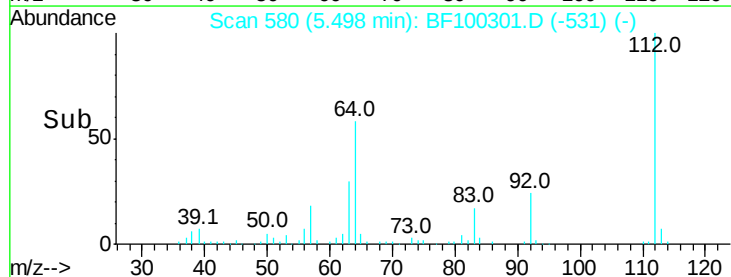
#5

2-Fluorophenol
Concen: 11.422 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	30.3	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: 11.241 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

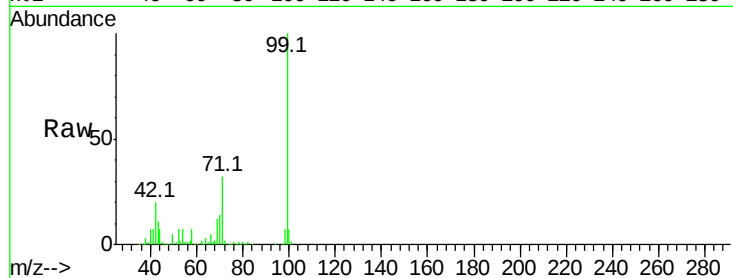
Tot Ion: 99 Resp: 164608

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

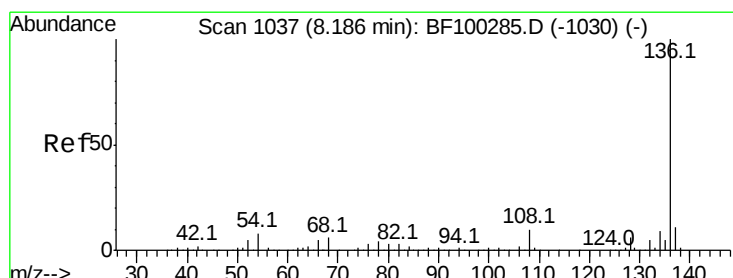
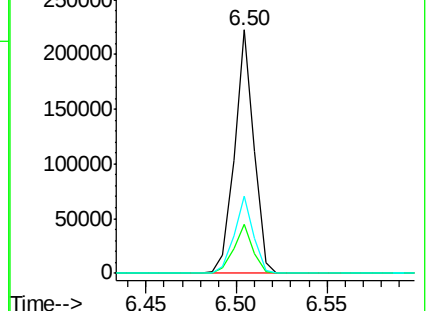
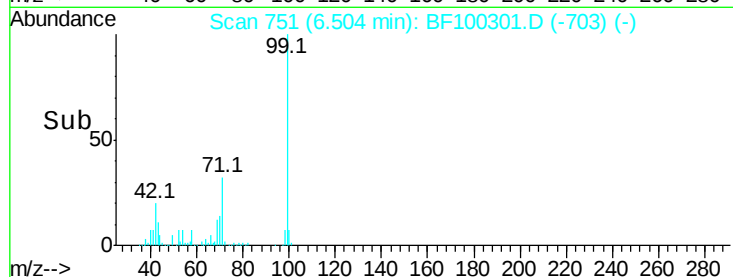
71 31.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

Tgt Ion: 136 Resp: 751286

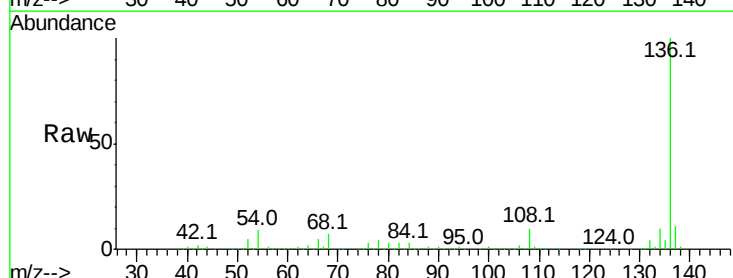
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.8 6.6 9.8

68 6.5 5.0 7.4

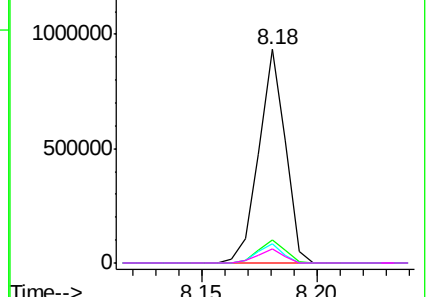
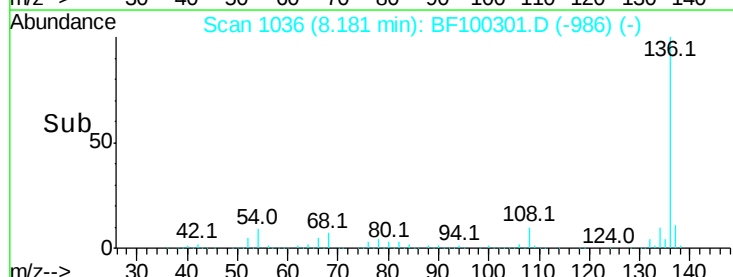


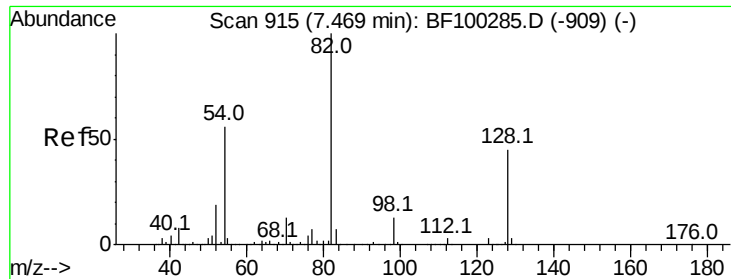
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

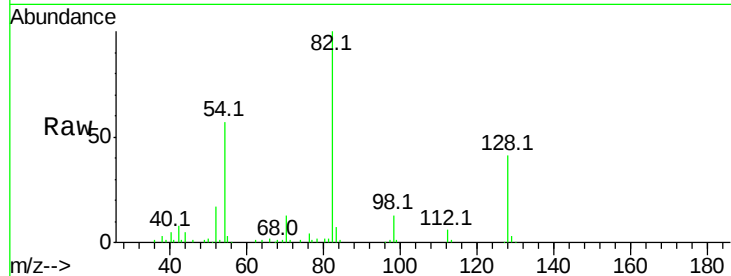
Ion 68.00 (67.70 to 68.70): BF1



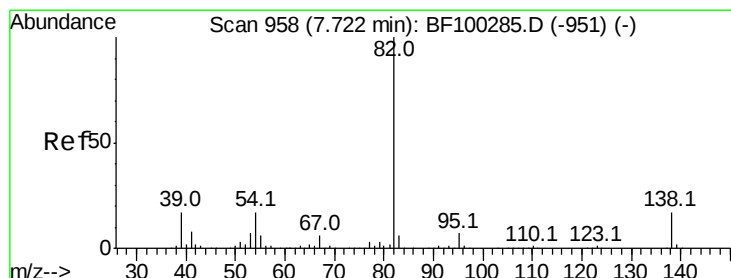
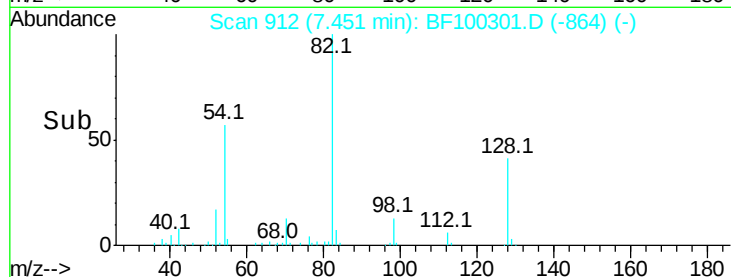
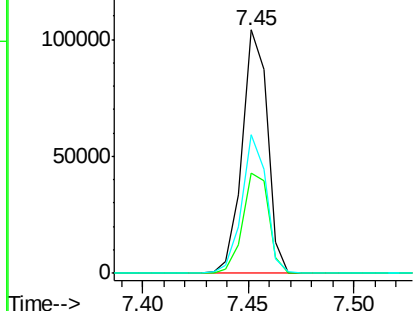


#23
Nitrobenzene-d5
Concen: 7.594 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tot Ion	82	Resp	86291
Ion Ratio	100	Lower	Upper
128	41.0	36.1	54.1
54	57.1	41.4	62.2

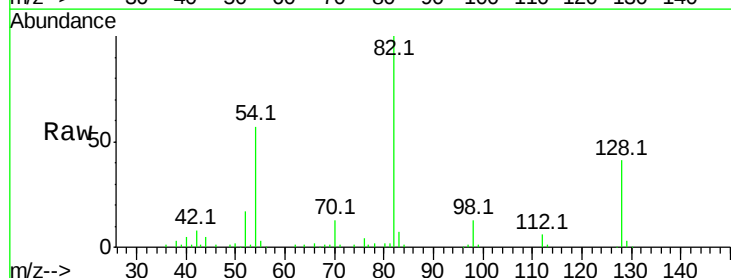


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

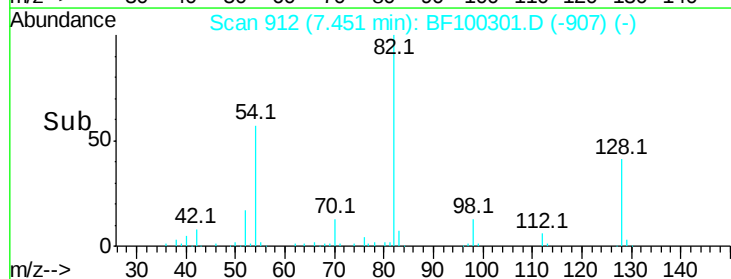
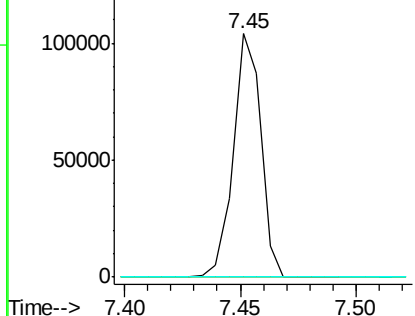


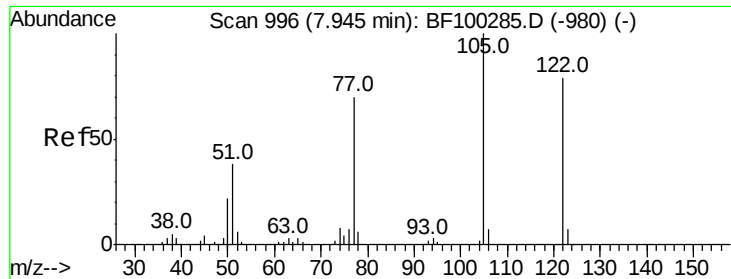
#25
Isophorone
Concen: 3.613 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.27 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tgt Ion	82	Resp	86289
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



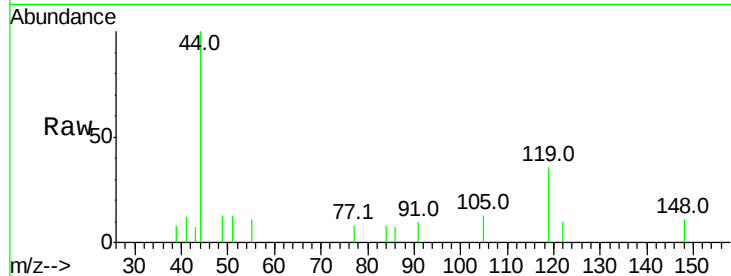
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



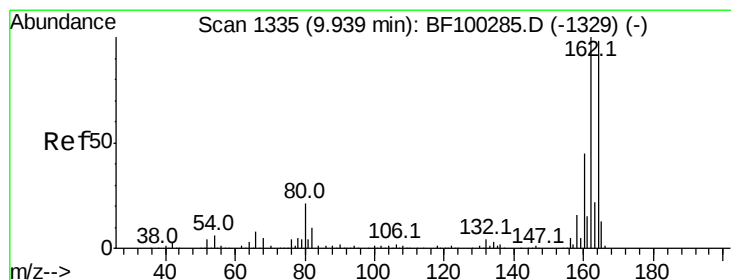
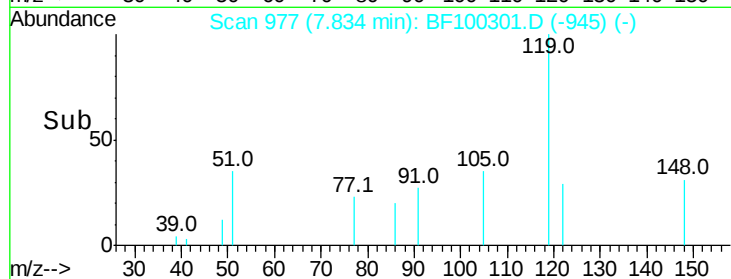
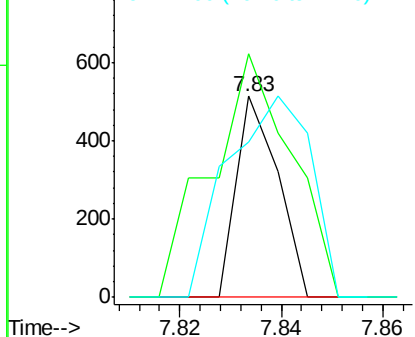


#32
Benzoic acid
Concen: 9.400 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.11 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tot Ion:122 Resp: 295
Ion Ratio Lower Upper
122 100
105 121.2 101.1 141.1
77 77.2 70.7 110.7

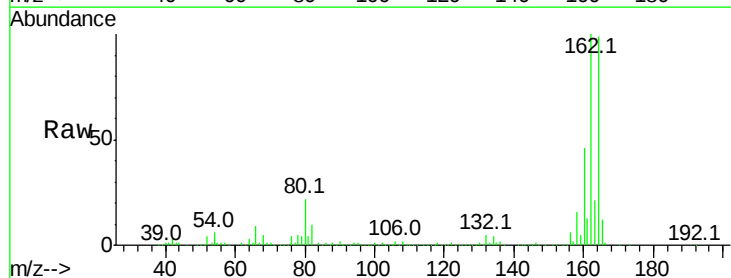


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

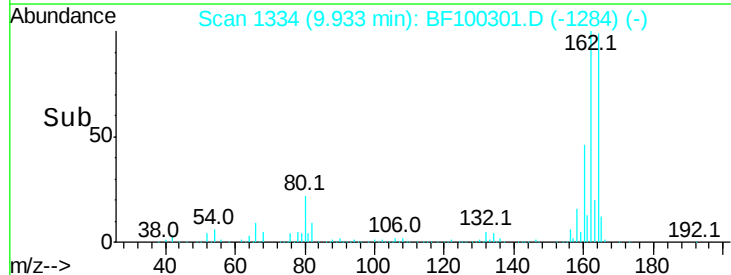
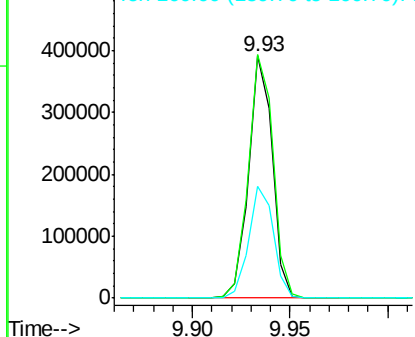


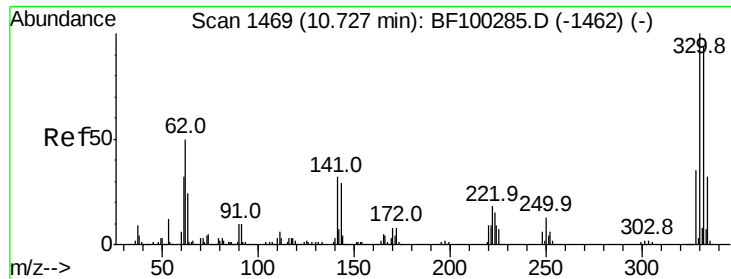
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tgt Ion:164 Resp: 329087
Ion Ratio Lower Upper
164 100
162 100.6 86.1 129.1
160 46.4 38.3 57.5



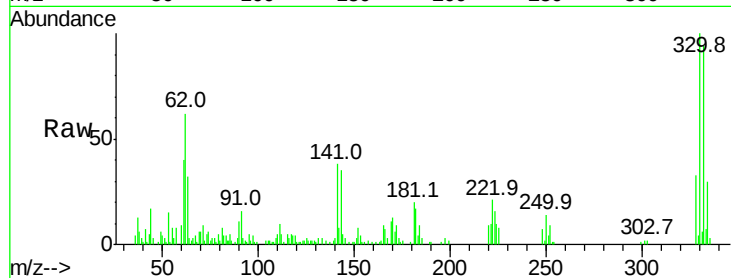
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



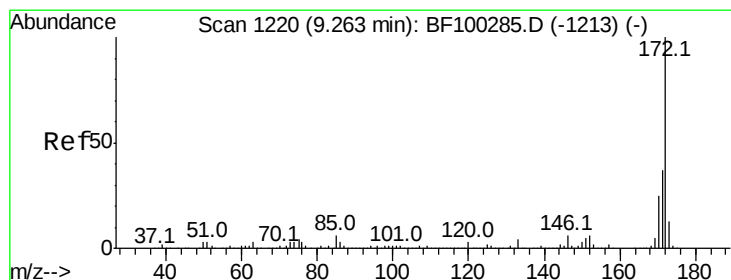
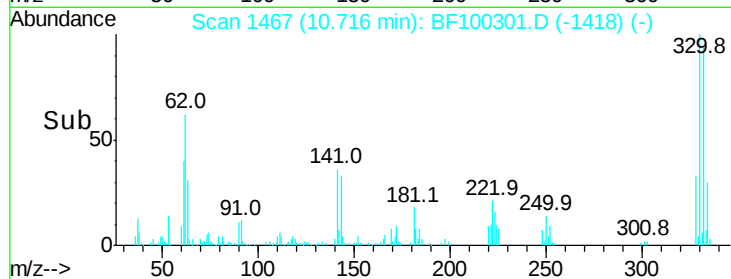
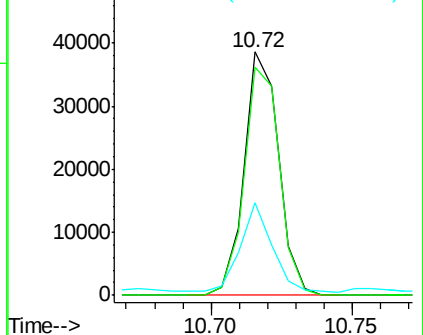


#41
 2,4,6-Tribromophenol
 Concen: 9.759 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

Tot Ion:330 Resp: 32727
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.5 29.9 44.9

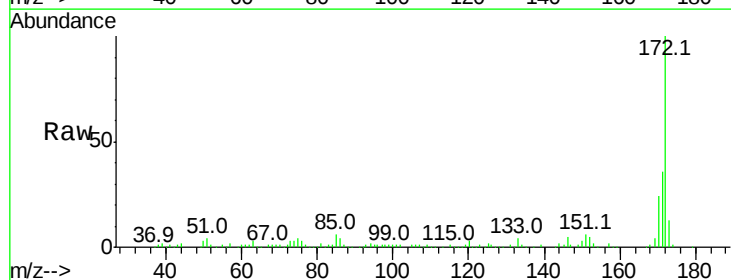


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

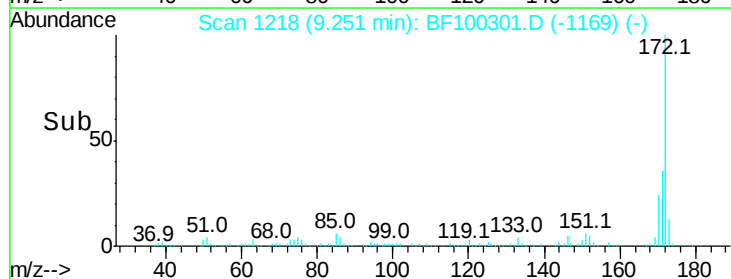
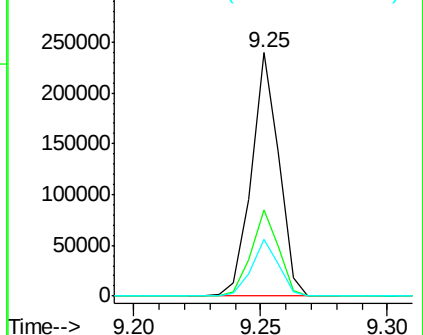


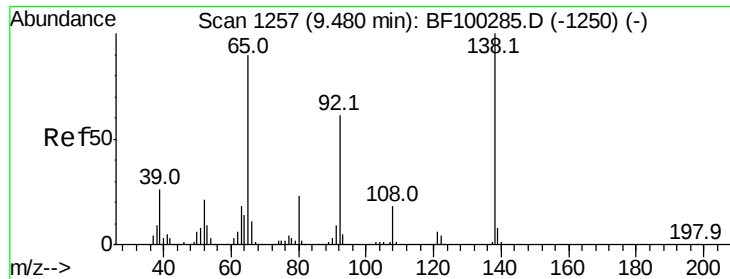
#44
 2-Fluorobiphenyl
 Concen: 8.355 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

Tgt Ion:172 Resp: 180560
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.6 19.6 29.4



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





#47

2-Nitroaniline

Concen: 2.836 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

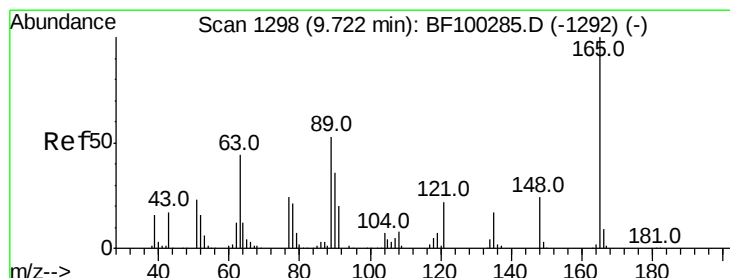
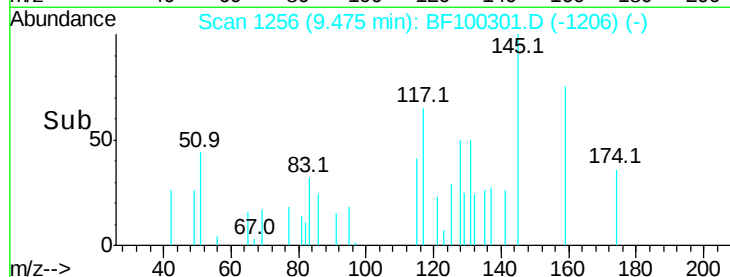
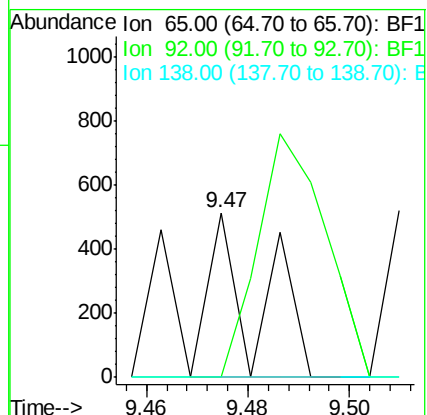
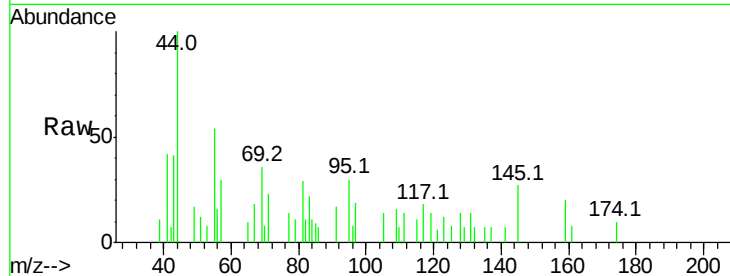
Tot Ion: 65 Resp: 340

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 8.837 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.21 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

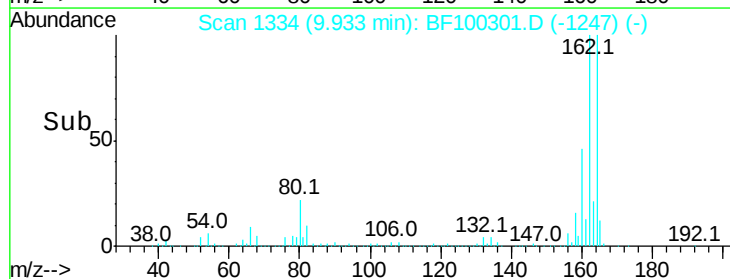
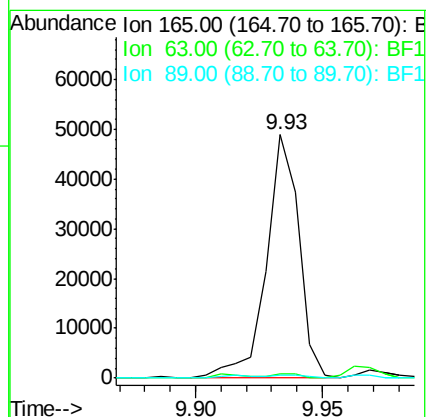
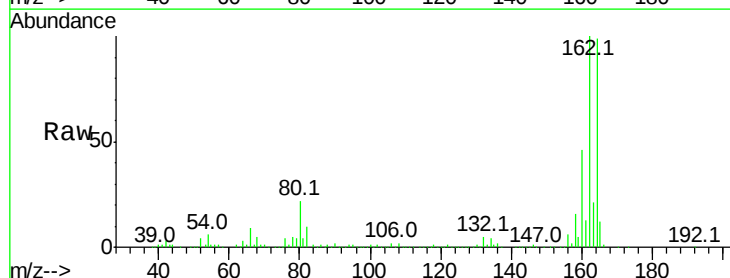
Tgt Ion: 165 Resp: 43953

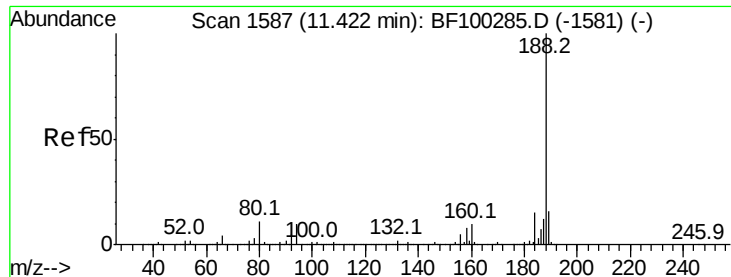
Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

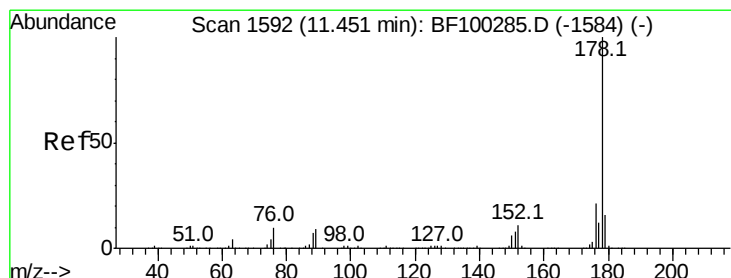
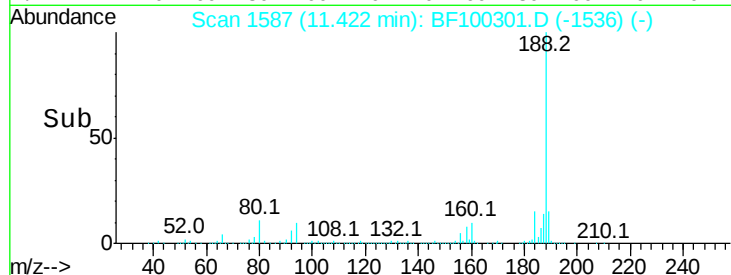
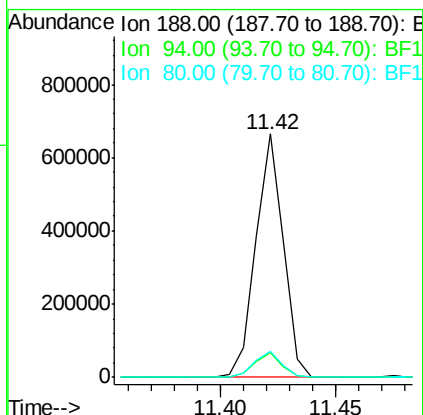
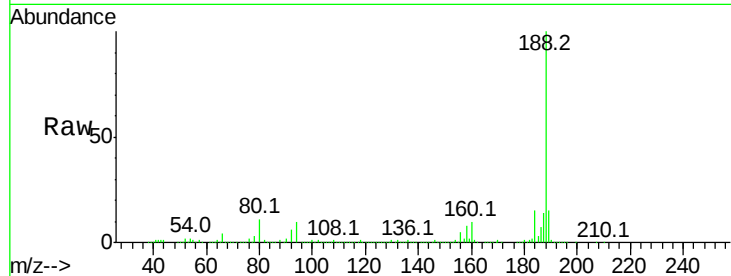
89 1.3 44.0 66.0#





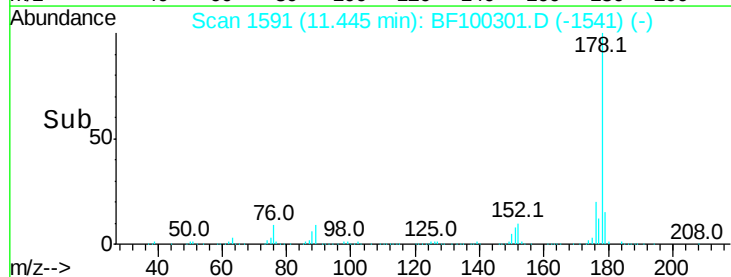
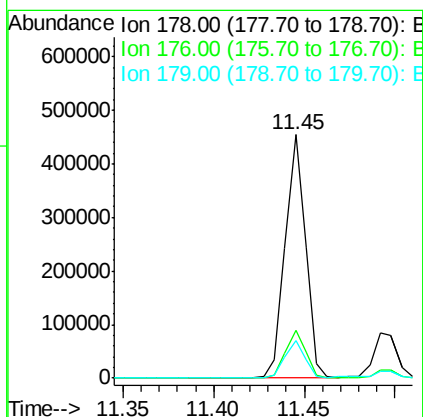
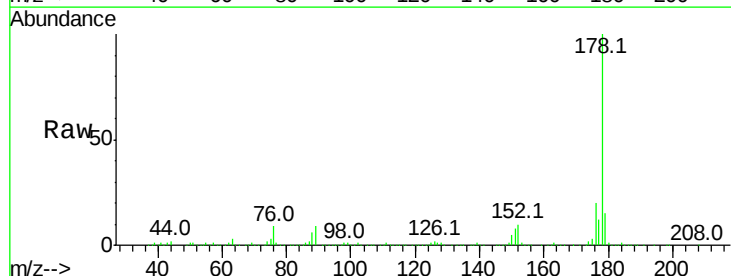
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

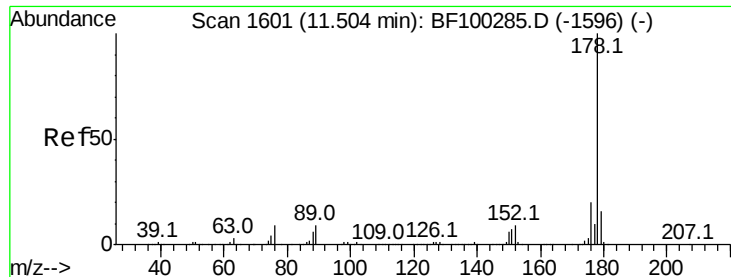
Tot Ion:188 Resp: 554638
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.7 9.2 13.8



#70
Phenanthrene
Concen: 12.238 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

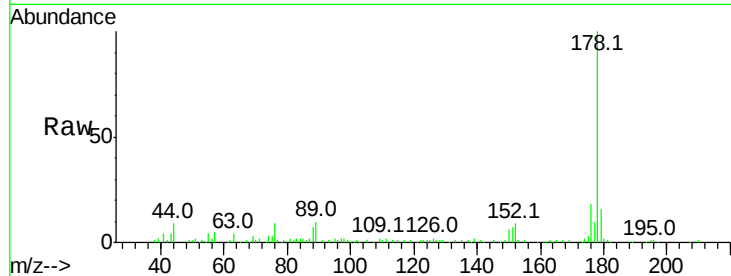
Tgt Ion:178 Resp: 357372
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.2 13.0 19.6



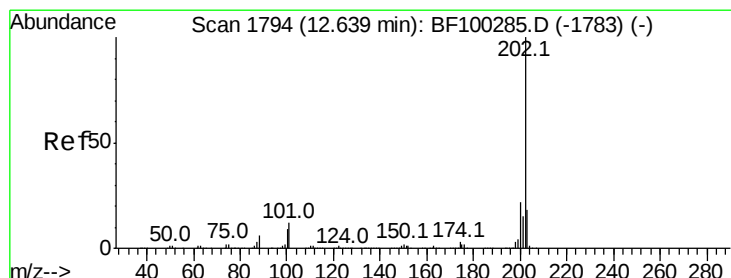
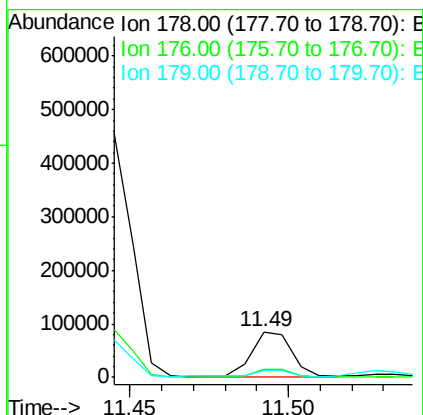
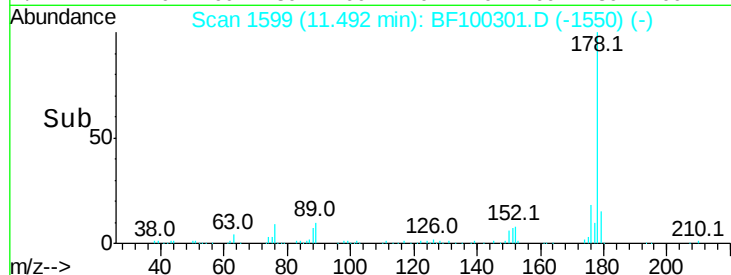


#71
 Anthracene
 Concen: 2.487 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

Tot Ion:178 Resp: 73686
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.7 12.6 19.0

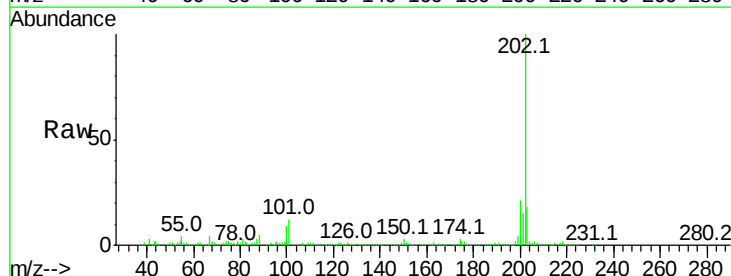


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

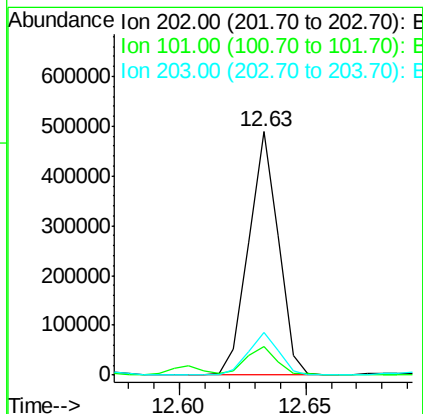
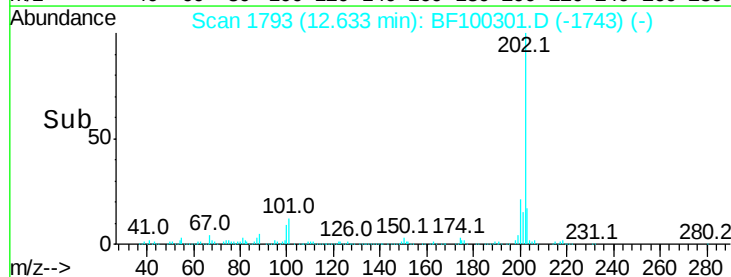


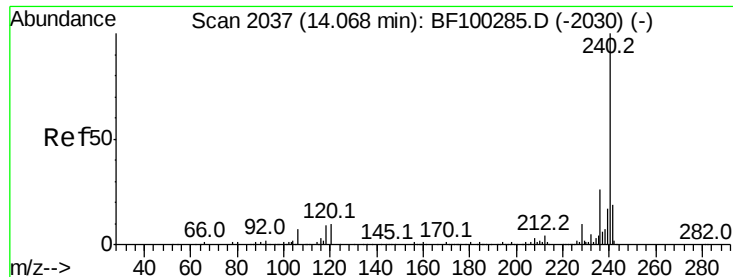
#74
 Fluoranthene
 Concen: 12.916 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

Tgt Ion:202 Resp: 399737
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.6 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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

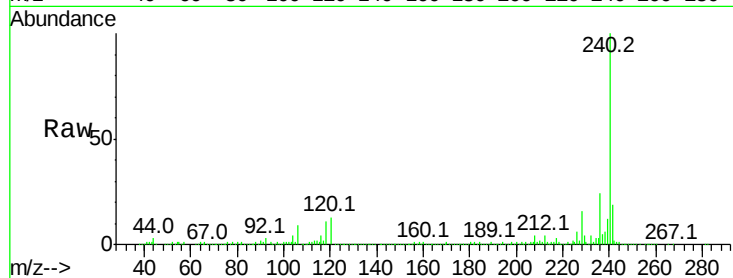
Tot Ion:240 Resp: 369827

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

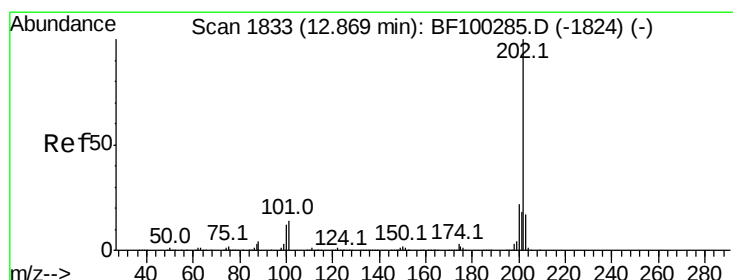
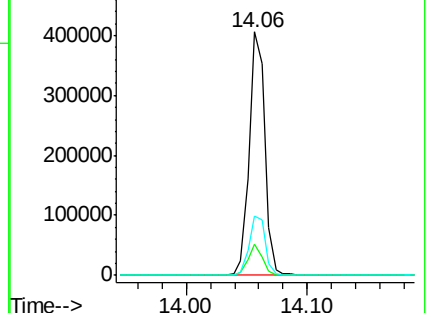
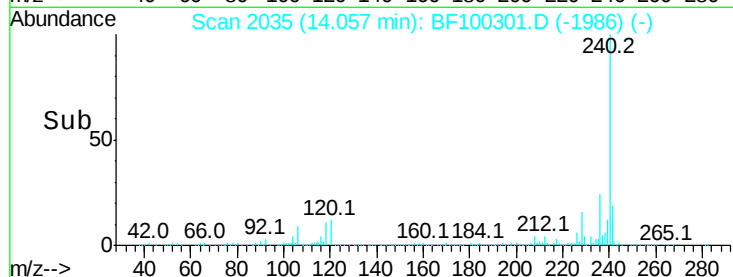
236 24.3 20.7 31.1



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

Pyrene

Concen: 17.153 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF100301.D

Acq: 8 Nov 2017 19:37

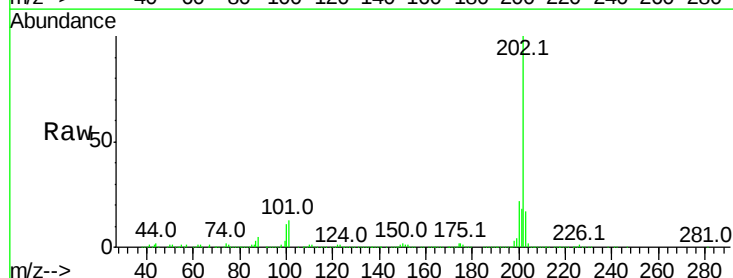
Tgt Ion:202 Resp: 452191

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

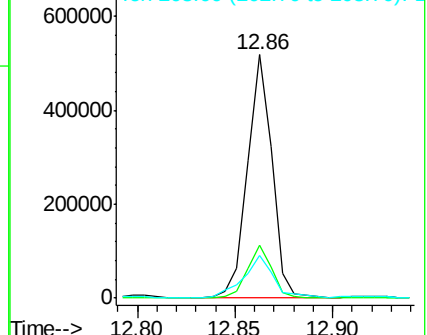
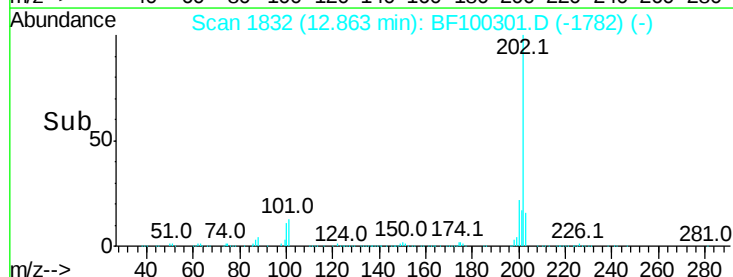
203 17.5 14.3 21.5

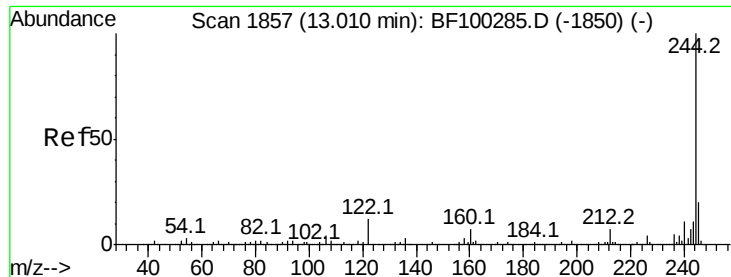


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

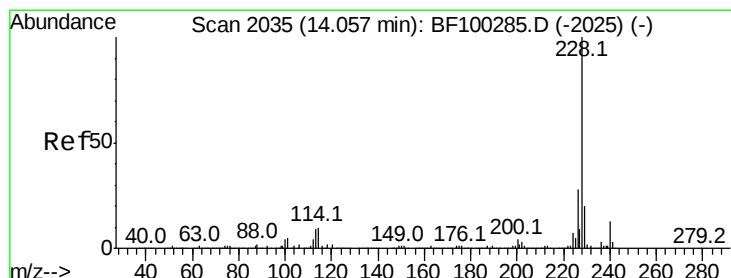
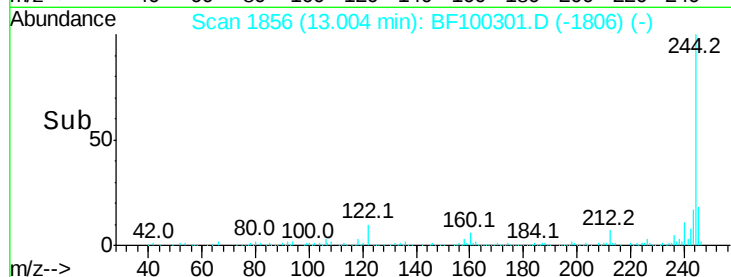
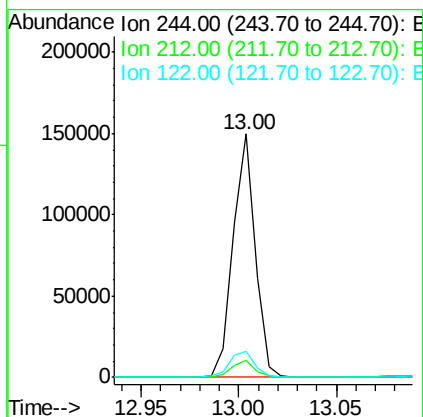
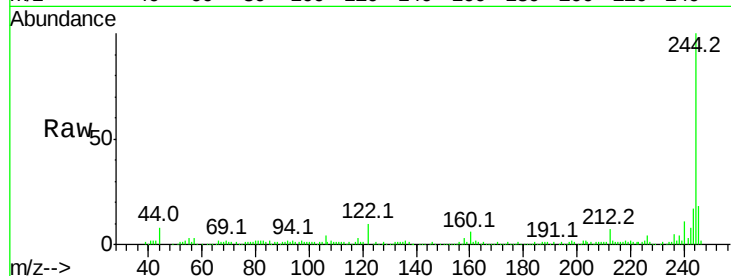
Ion 203.00 (202.70 to 203.70): E





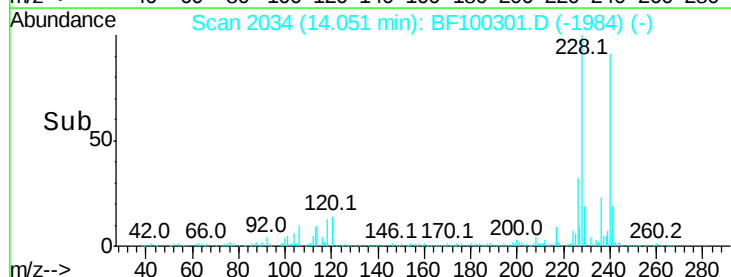
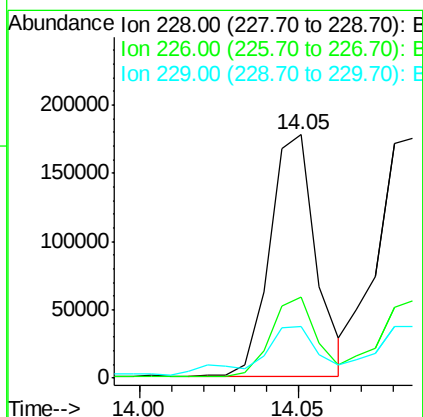
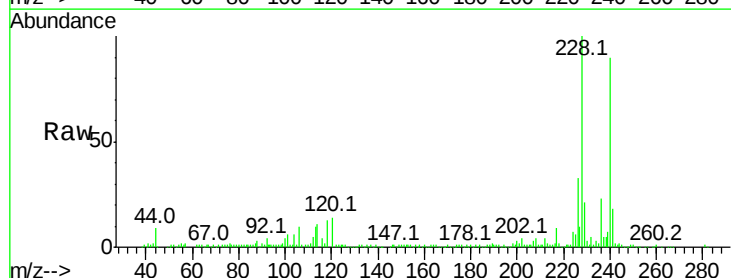
#78
 Terphenyl-d14
 Concen: 7.290 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

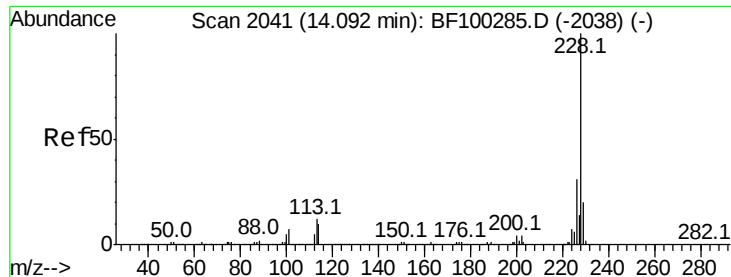
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.5	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 8.066 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

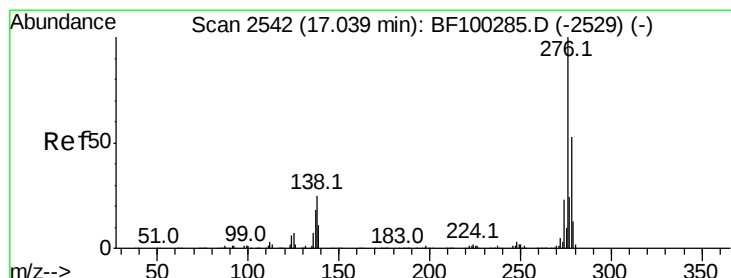
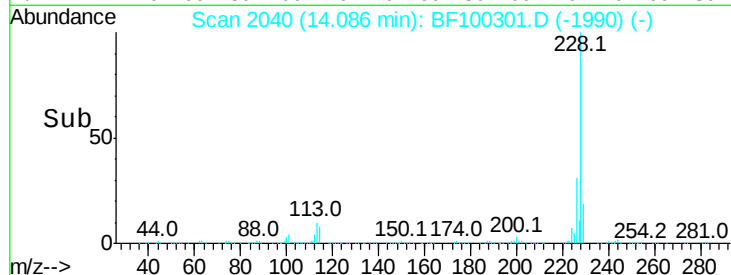
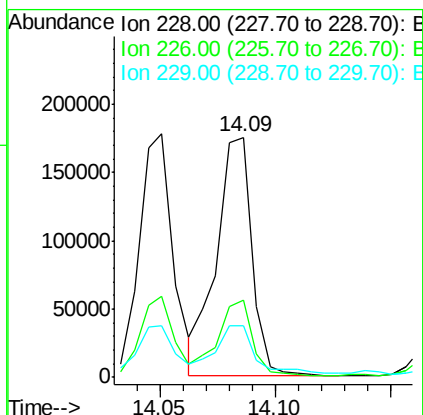
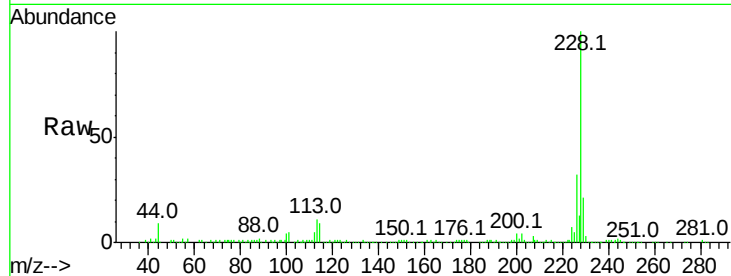
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	21.0	15.8	23.6





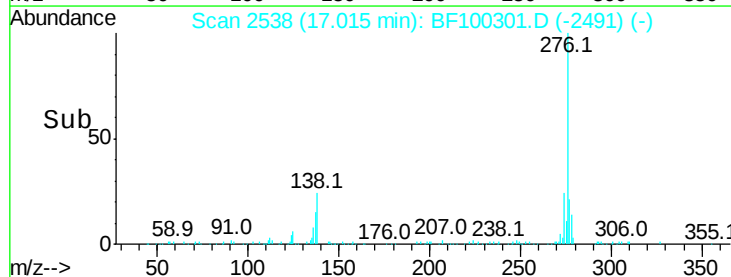
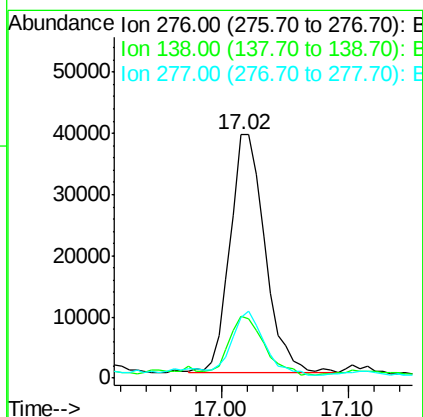
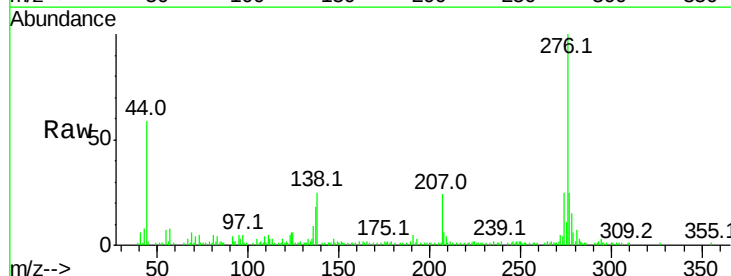
#82
Chrysene
Concen: 8.682 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

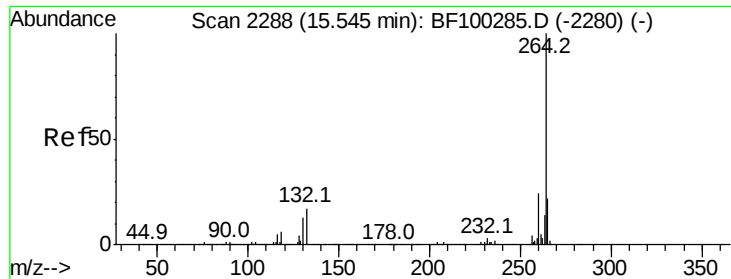
Tot Ion:228 Resp: 187233
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 21.4 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

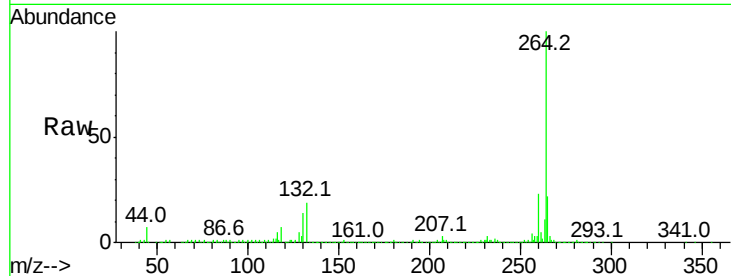
Tgt Ion:276 Resp: 73760
Ion Ratio Lower Upper
276 100
138 25.7 25.0 37.6
277 25.6 20.1 30.1



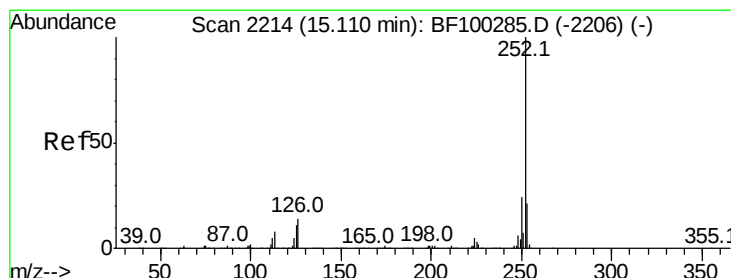
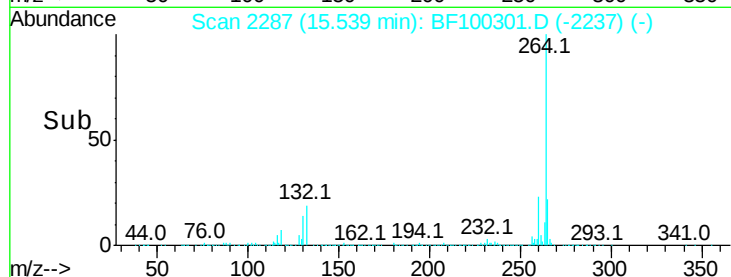
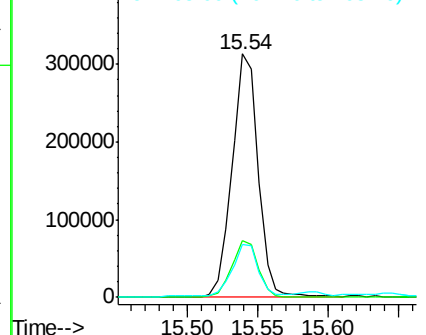


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	17.5	26.3

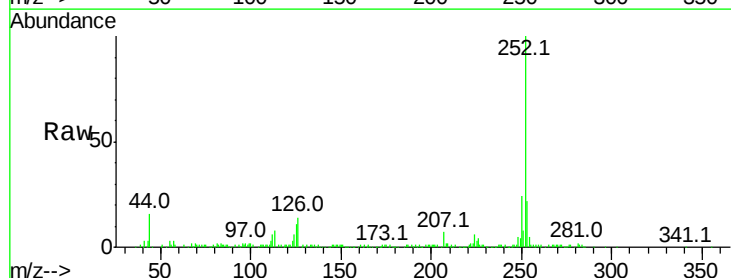


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

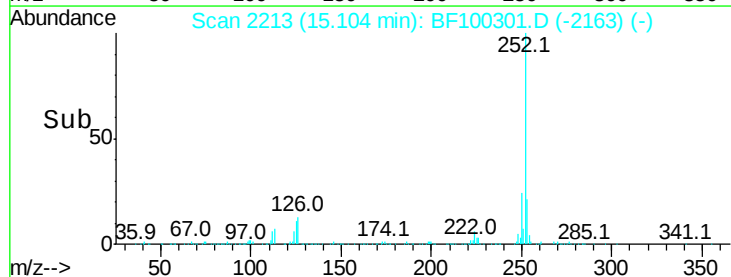
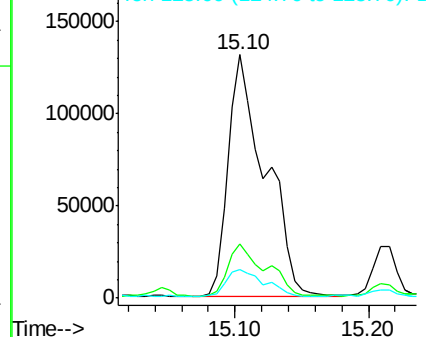


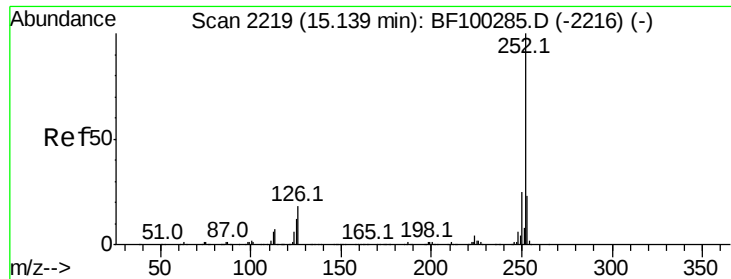
#87
Benzo(b)fluoranthene
Concen: 10.746 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.5	9.0	13.6



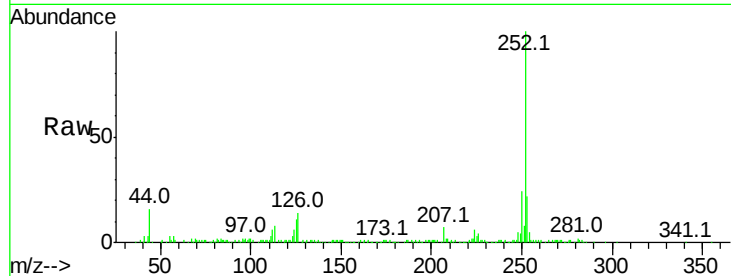
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



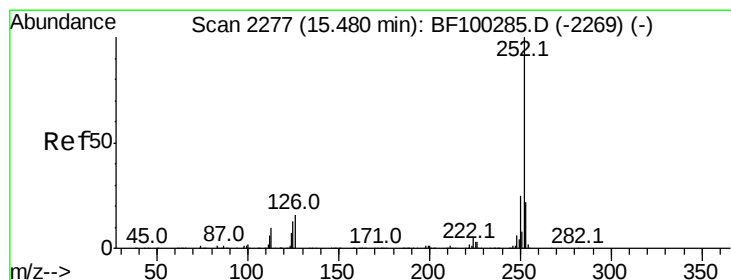
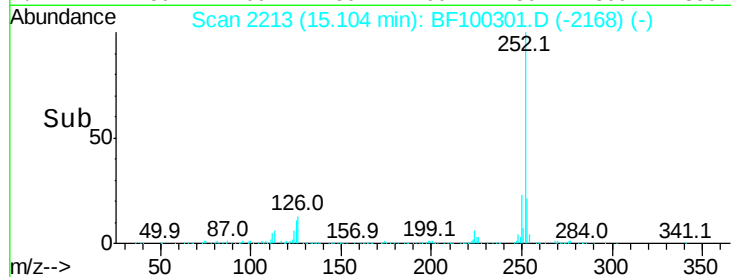
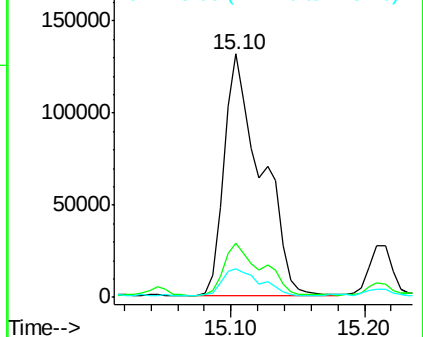


#88
Benzo(k)fluoranthene
Concen: 11.373 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tot Ion:	252	Resp:	254519
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.5	10.2	15.2

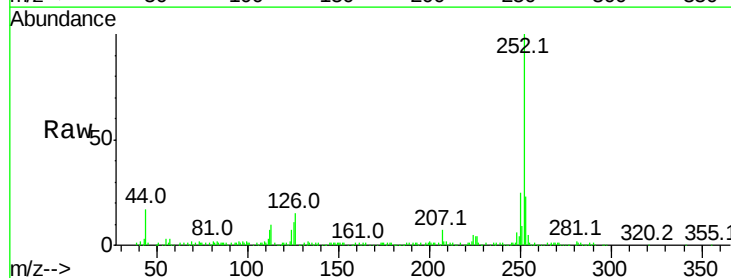


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

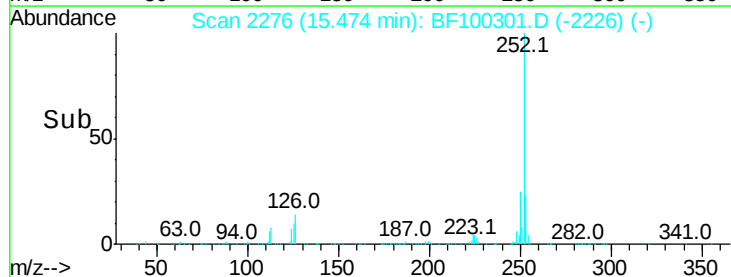
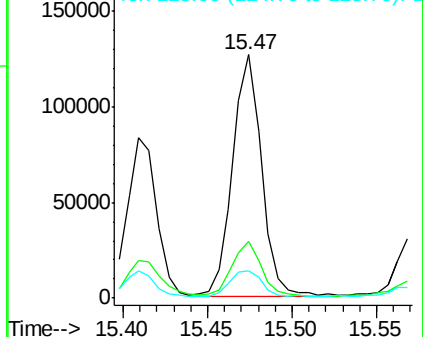


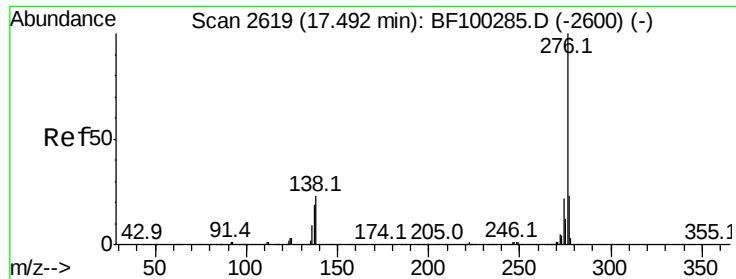
#89
Benzo(a)pyrene
Concen: 7.213 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF100301.D
Acq: 8 Nov 2017 19:37

Tgt Ion:	252	Resp:	151454
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	11.4	9.8	14.6



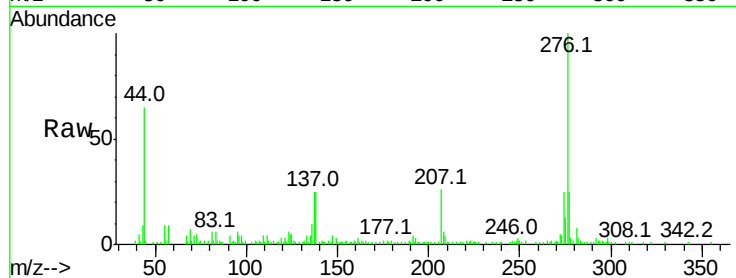
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.482 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. -0.02 min
 Lab File: BF100301.D
 Acq: 8 Nov 2017 19:37

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	24.9	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

