

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100296.D
 Acq On : 8 Nov 2017 17:22
 Operator : SJ/JU
 Sample : I6305-01 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

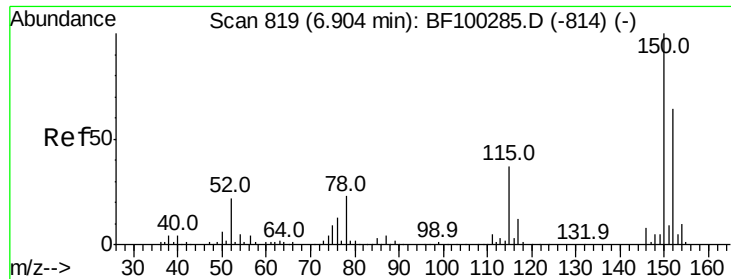
Quant Time: Nov 08 17:49:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 14:33:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	159283	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	653676	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	299225	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	534181	20.00	ng	0.00
75) Chrysene-d12	14.06	240	347325	20.00	ng	-0.01
86) Perylene-d12	15.54	264	344208	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	118297	11.91	ng	-0.01
7) Phenol-d6	6.50	99	148091	12.09	ng	-0.02
23) Nitrobenzene-d5	7.45	82	76995	7.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	33493	10.98	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	157091	7.99	ng	-0.01
78) Terphenyl-d14	13.00	244	112129	7.42	ng	-0.01

Target Compounds				Qvalue		
25) Isophorone	7.45	82	77019	3.707	ng	# 64
32) Benzoic acid	7.83	122	269	9.401	ng	# 80
47) 2-Nitroaniline	9.59	65	114	2.803	ng	# 2
49) Dimethylphthalate	9.65	163	49996	2.188	ng	99
50) 2,6-Dinitrotoluene	9.93	165	38781	8.576	ng	# 26
56) 2,4-Dinitrotoluene	9.93	165	38781	6.798	ng	# 23
70) Phenanthrene	11.44	178	202982	7.217	ng	97
71) Anthracene	11.49	178	60058	2.105	ng	98
74) Fluoranthene	12.63	202	282396	9.474	ng	95
77) Pyrene	12.86	202	317645	12.830	ng	99
80) Benzo(a)anthracene	14.04	228	123637	5.911	ng	95
82) Chrysene	14.08	228	107329	5.299	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	58577	3.576	ng	# 93
87) Benzo(b)fluoranthene	15.10	252	175231	8.593	ng	97
88) Benzo(k)fluoranthene	15.10	252	175231	9.094	ng	99
89) Benzo(a)pyrene	15.47	252	103744	5.738	ng	100
91) Benzo(a,h,i)perylene	17.47	276	61010	4.215	ng	95

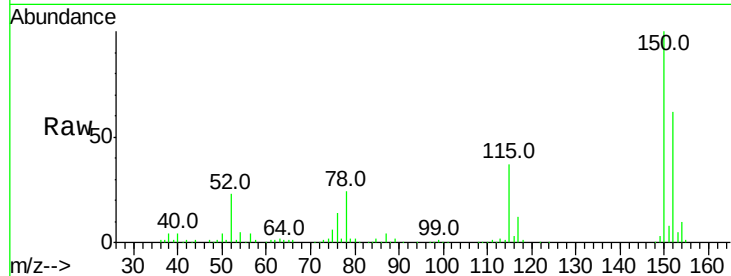
(#) = qualifier out of range (m) = manual integration (+) = signals summed



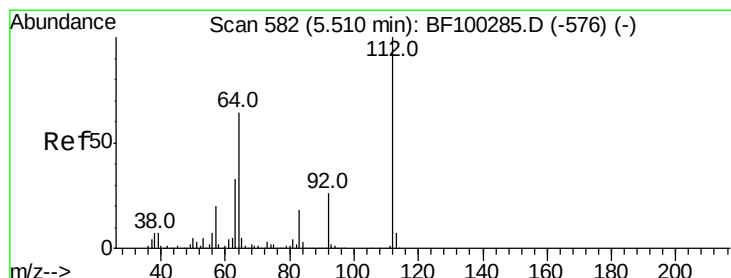
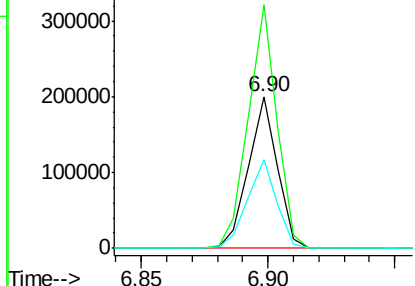
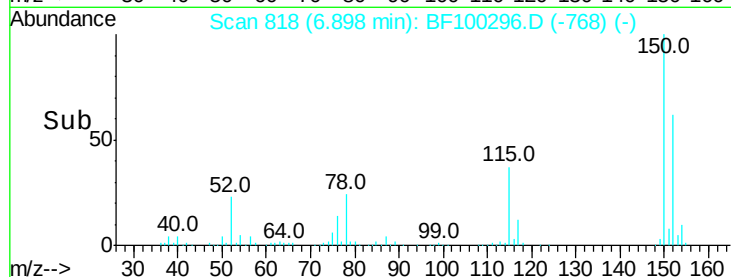
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	58.9	50.1	75.1



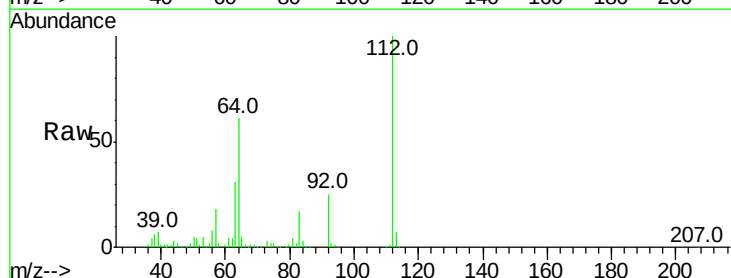
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



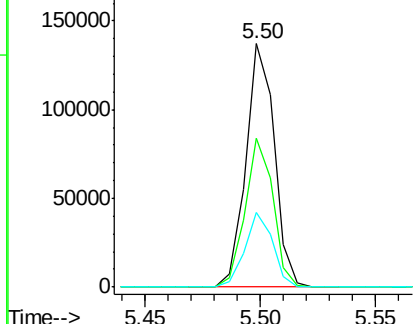
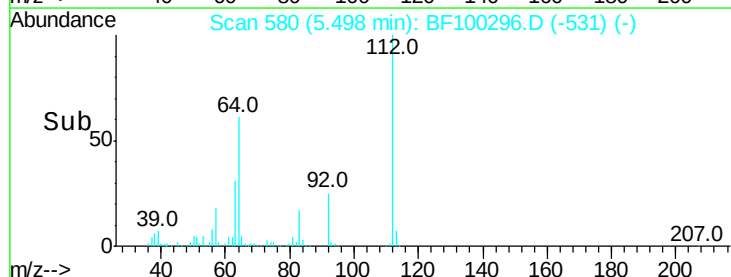
#5

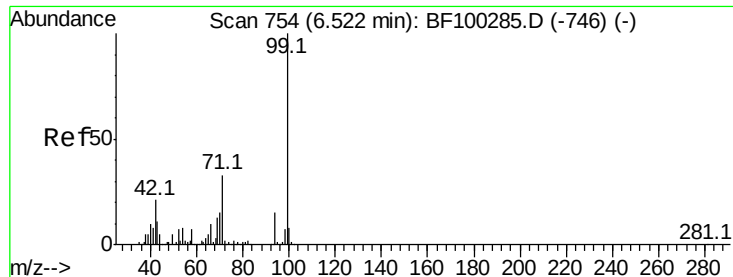
2-Fluorophenol
Concen: 11.905 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.9	71.9
63	30.6	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: 12.086 ng

RT: 6.50 min Scan# 751

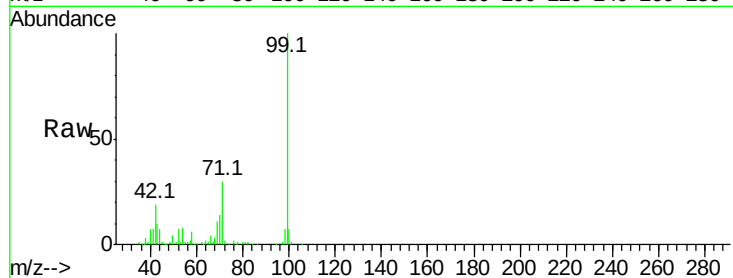
Delta R.T. -0.02 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

Tot Ion: 99 Resp: 148091

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	30.1	25.4	38.0

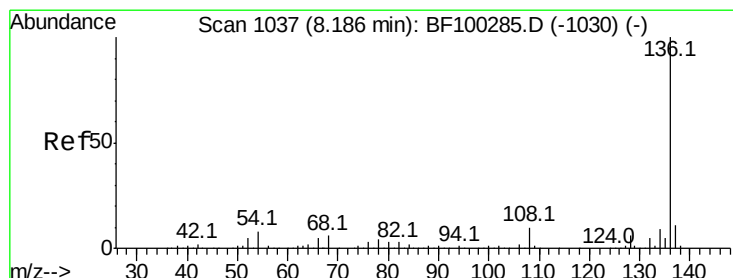
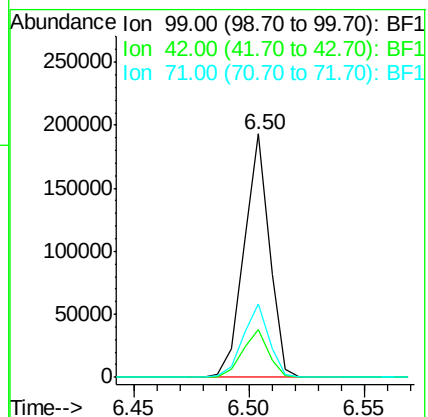
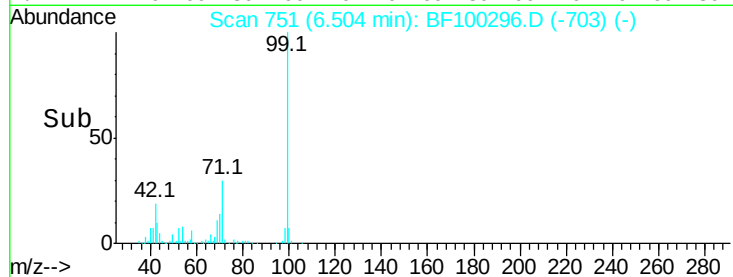


Abundance

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

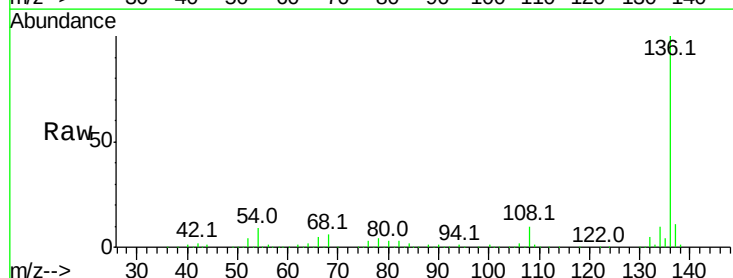
Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

Tgt Ion: 136 Resp: 653676

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.0	6.6	9.8
68	6.3	5.0	7.4



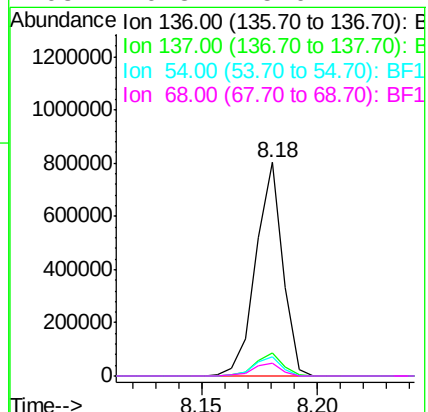
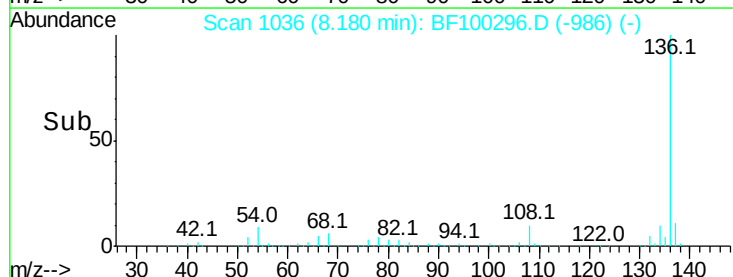
Abundance

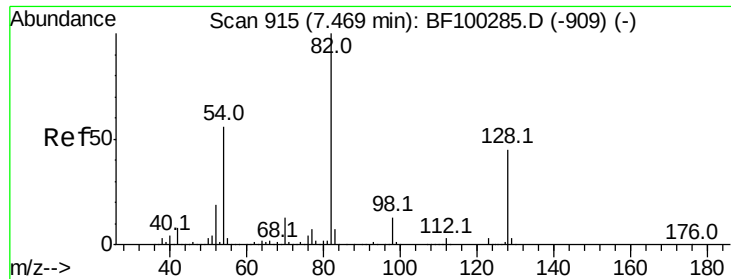
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

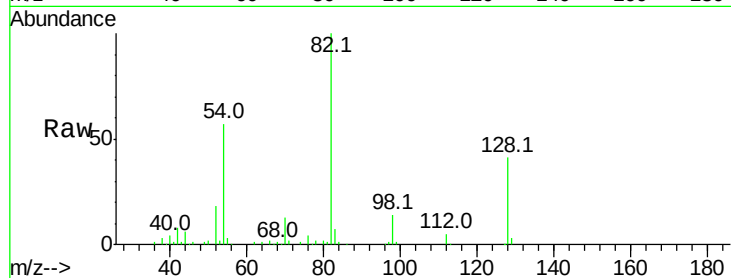
Ion 68.00 (67.70 to 68.70): BF1



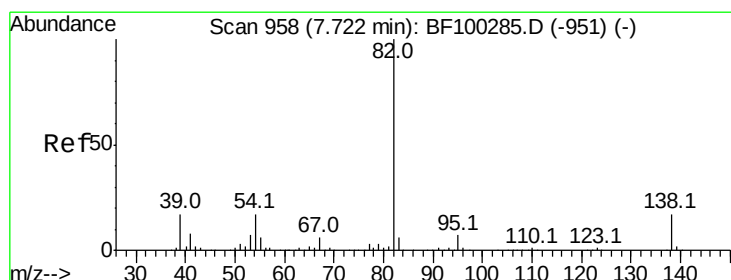
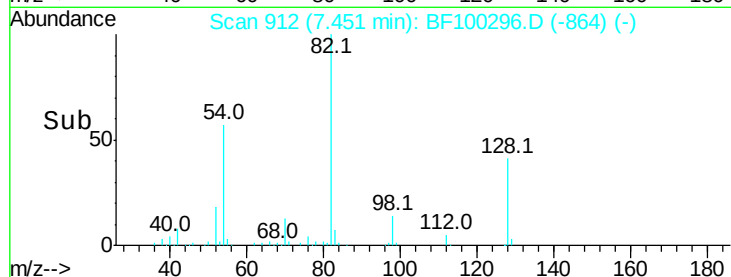
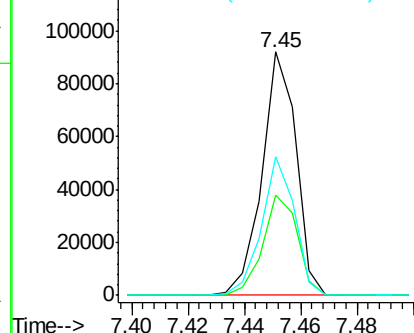


#23
 Nitrobenzene-d5
 Concen: 7.787 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

Tot Ion	82	Resp	76995
Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	56.8	41.4	62.2

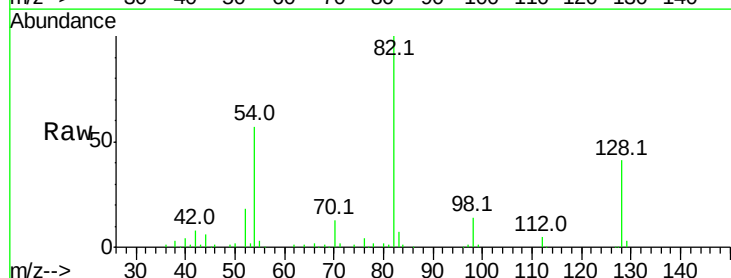


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

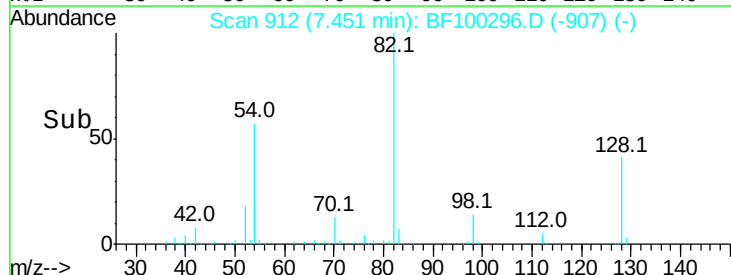
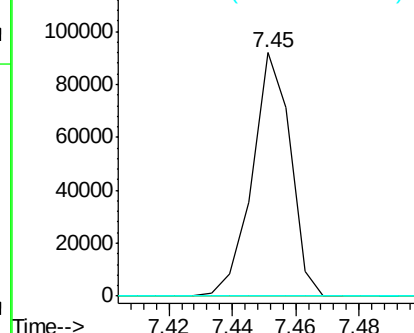


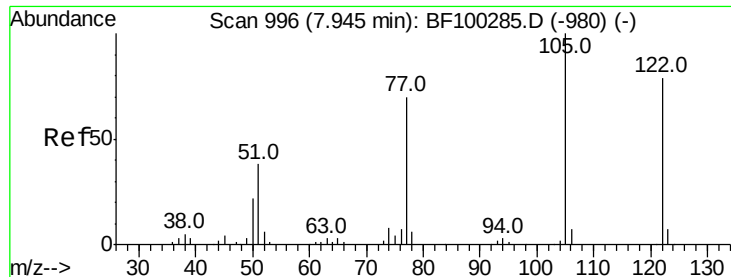
#25
 Isophorone
 Concen: 3.707 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.27 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

Tgt Ion	82	Resp	77019
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





#32

Benzoic acid

Concen: 9.401 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.11 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

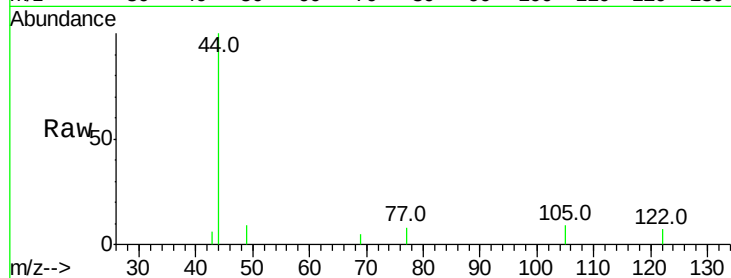
Tot Ion:122 Resp: 269

Ion Ratio Lower Upper

122 100

105 132.4 101.1 141.1

77 122.2 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

600

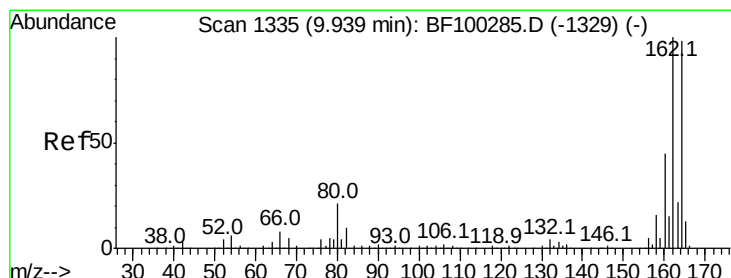
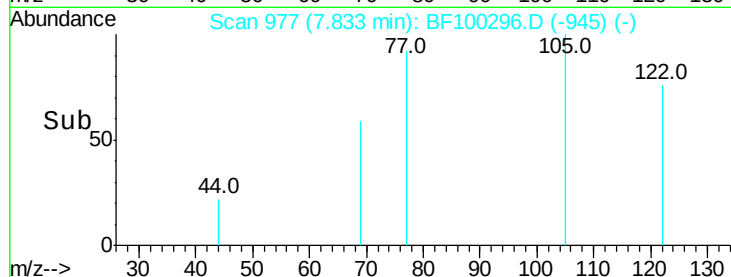
400

200

0

7.82 7.83 7.86

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

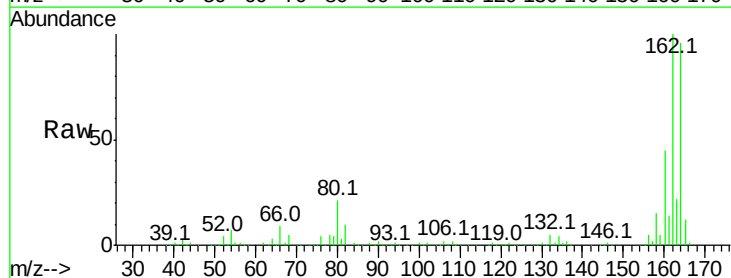
Tgt Ion:164 Resp: 299225

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 47.2 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

500000

400000

300000

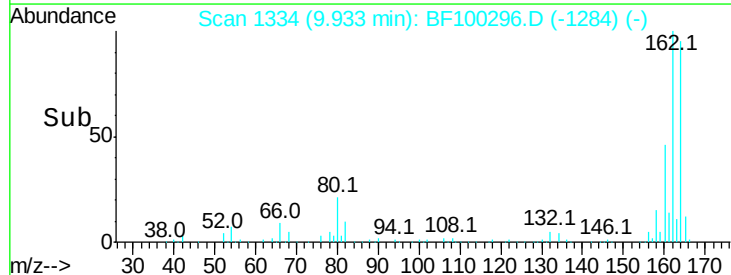
200000

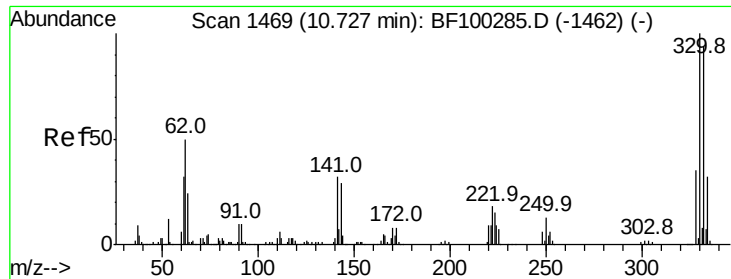
100000

0

9.90 9.93 9.95

Time-->





#41

2,4,6-Tribromophenol

Concen: 10.985 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

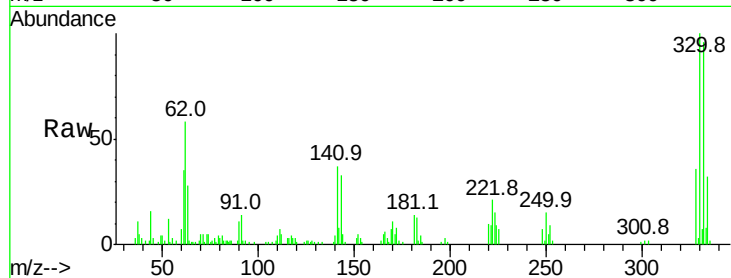
Tot Ion:330 Resp: 33493

Ion Ratio Lower Upper

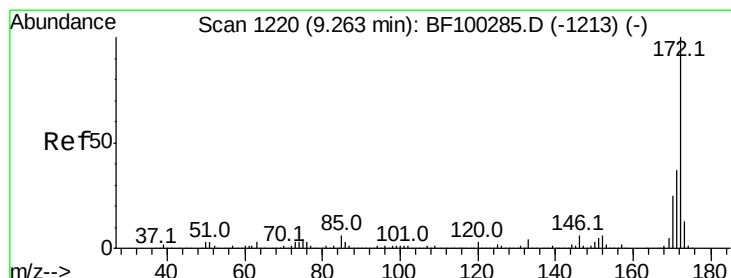
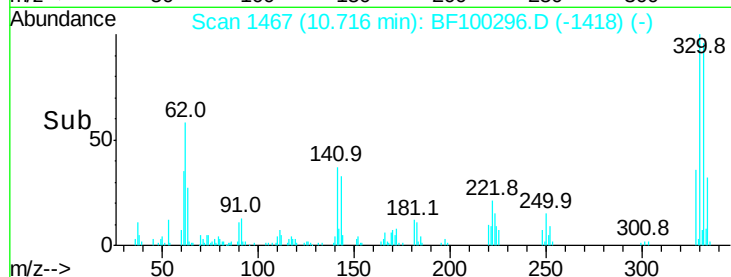
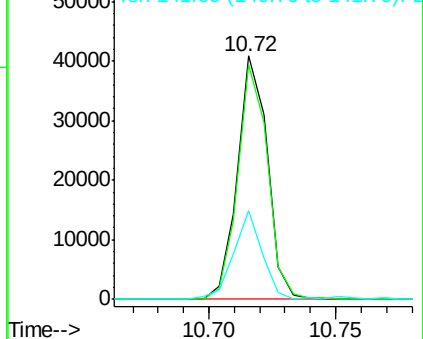
330 100

332 95.9 77.0 115.6

141 34.8 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: 7.994 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

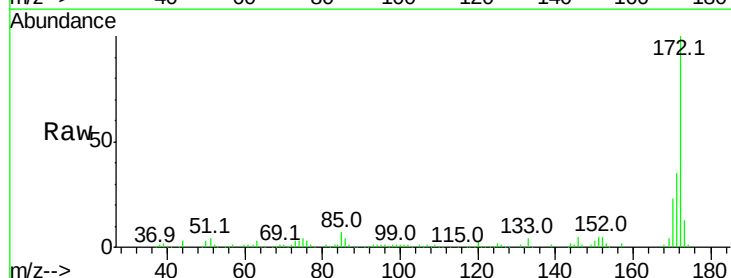
Tgt Ion:172 Resp: 157091

Ion Ratio Lower Upper

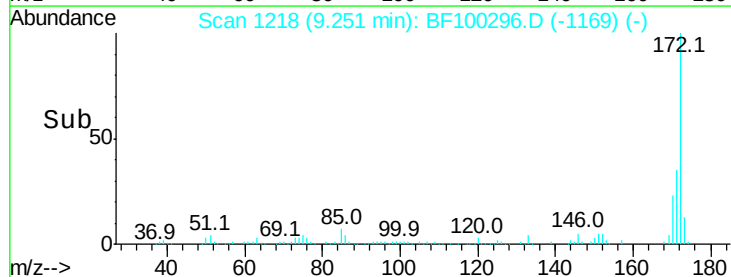
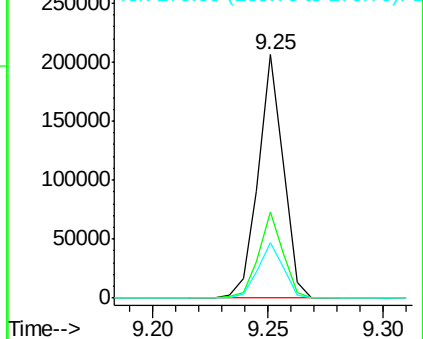
172 100

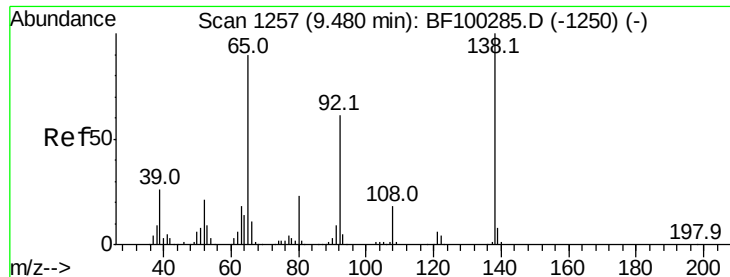
171 35.2 29.7 44.5

170 22.8 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: 2.803 ng

RT: 9.59 min Scan# 1276

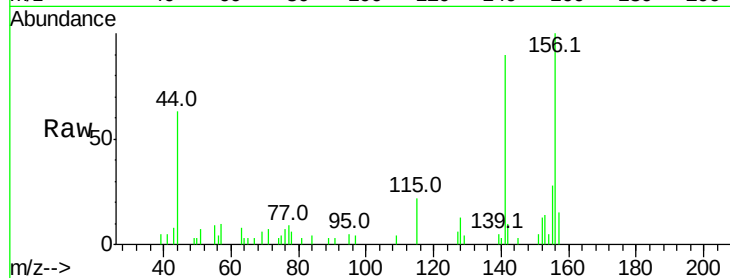
Delta R.T. 0.11 min

Lab File: BF100296.D

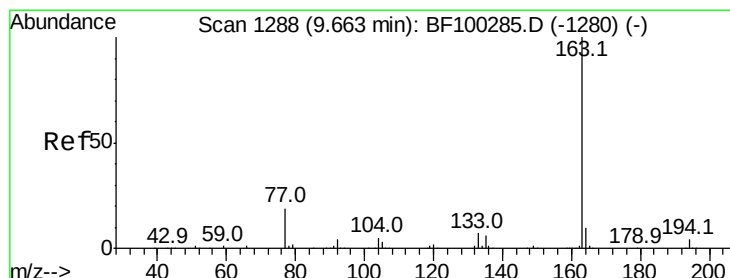
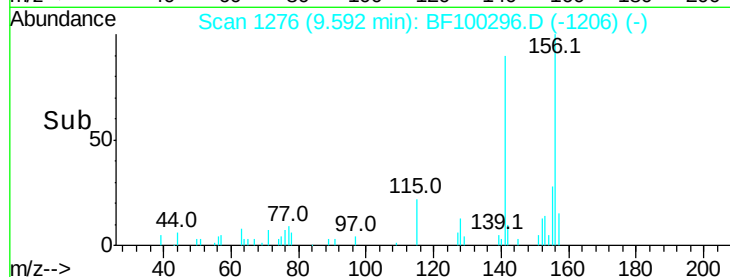
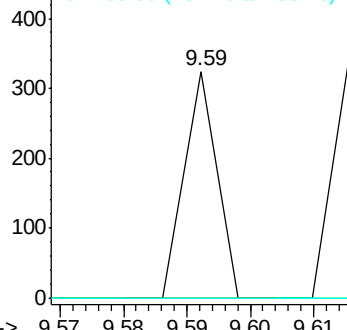
Acq: 8 Nov 2017 17:22

Tot Ion: 65 Resp: 114

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 2.188 ng

RT: 9.65 min Scan# 1285

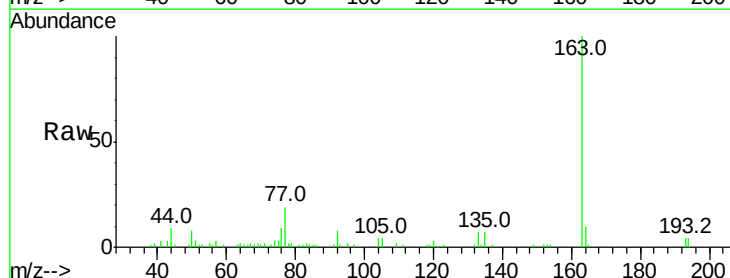
Delta R.T. -0.02 min

Lab File: BF100296.D

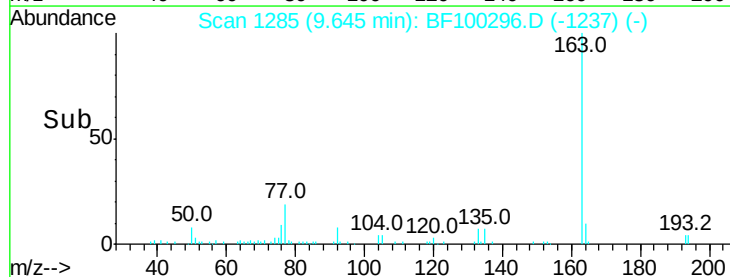
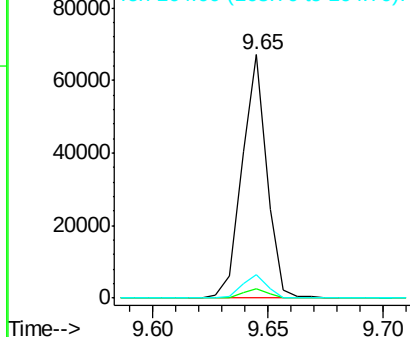
Acq: 8 Nov 2017 17:22

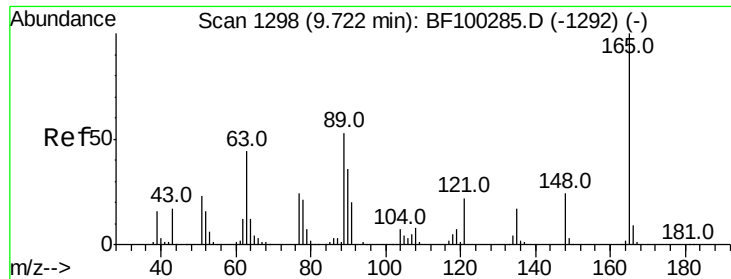
Tgt Ion: 163 Resp: 49996

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.9	8.2	12.2



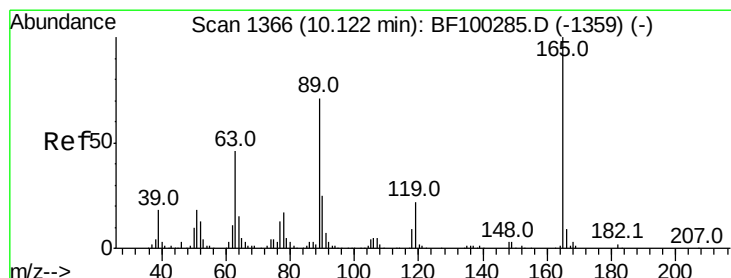
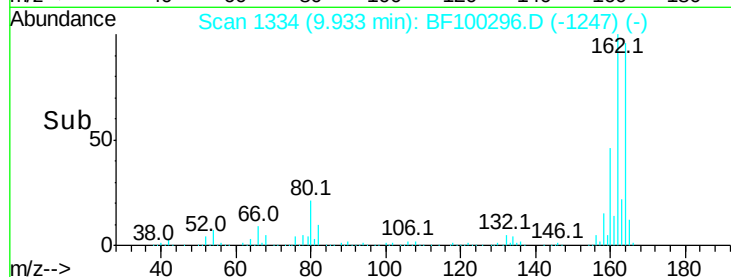
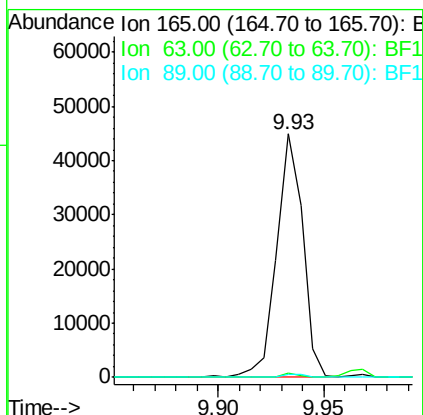
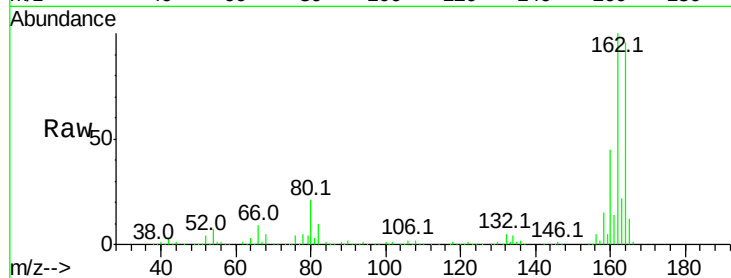
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





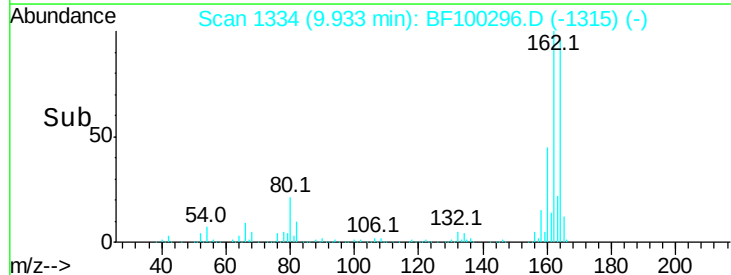
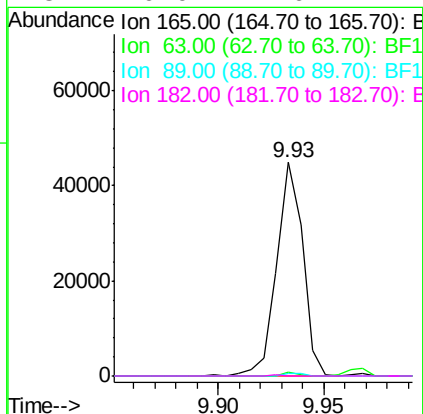
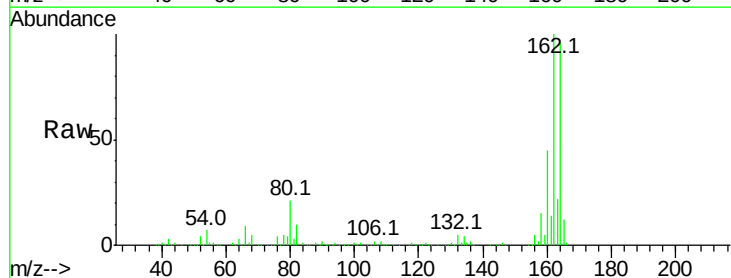
#50
 2,6-Dinitrotoluene
 Concen: 8.576 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.21 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

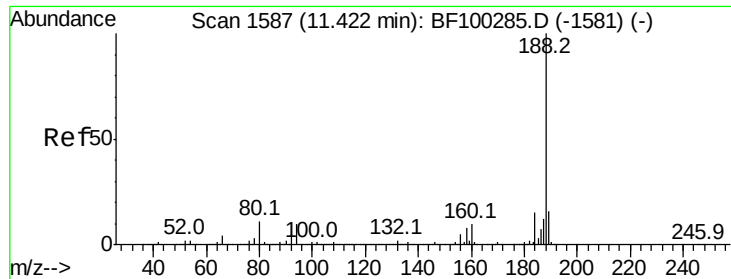
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.798 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

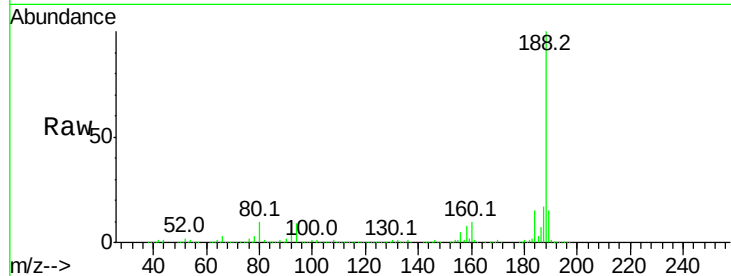
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



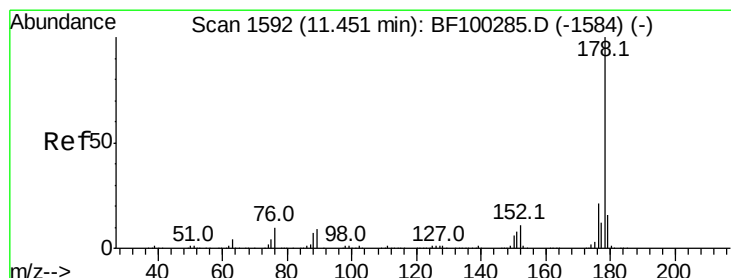
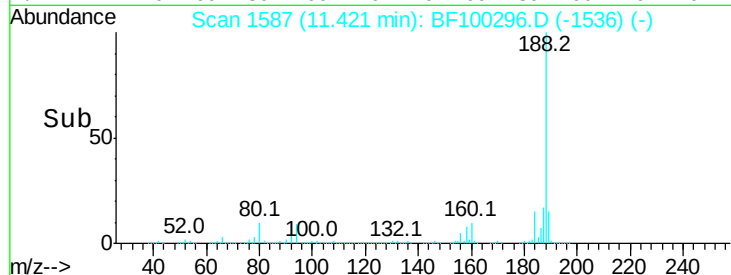
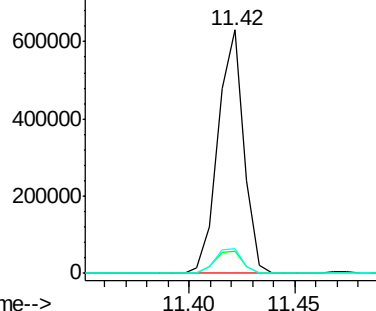


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tot Ion:188 Resp: 534181
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.2 9.2 13.8

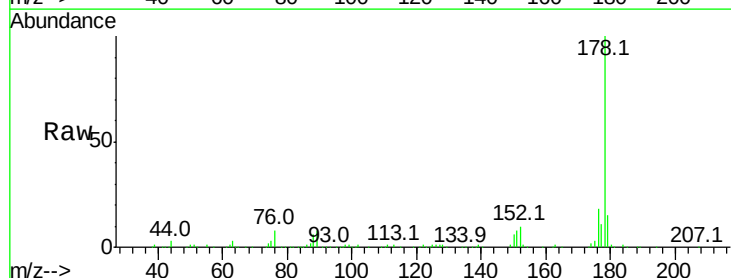


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

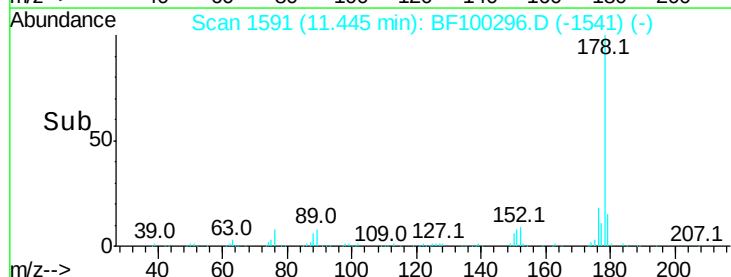
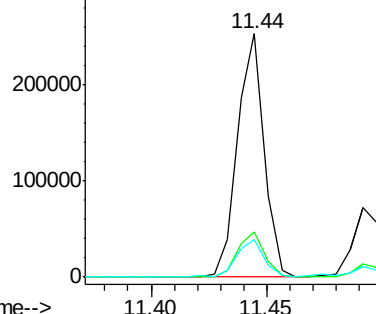


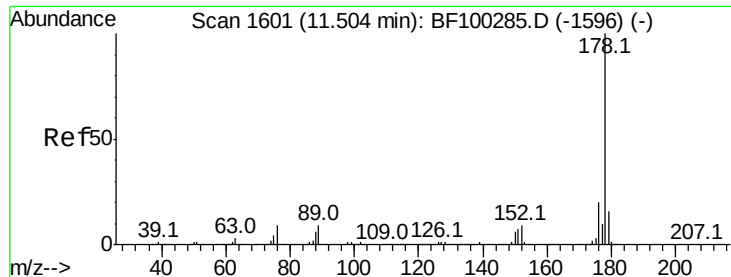
#70
Phenanthrene
Concen: 7.217 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tgt Ion:178 Resp: 202982
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.2 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: 2.105 ng

RT: 11.49 min Scan# 1599

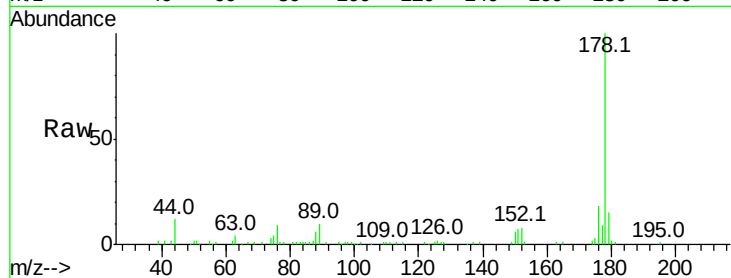
Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

Tot Ion:178 Resp: 60058

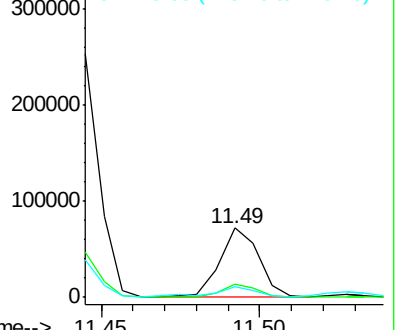
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.4	12.6	19.0



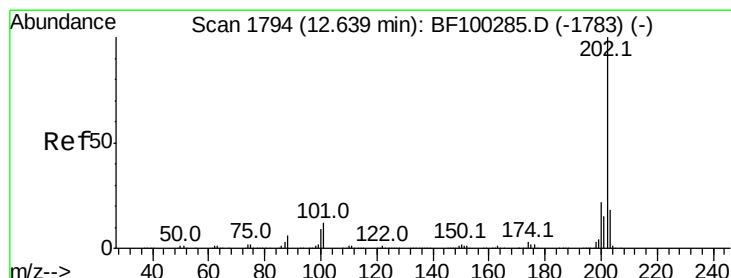
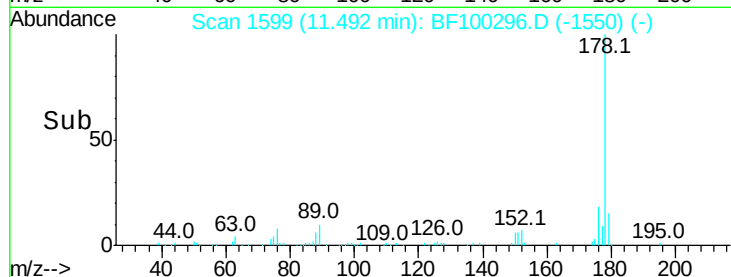
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.45 11.50



#74

Fluoranthene

Concen: 9.474 ng

RT: 12.63 min Scan# 1793

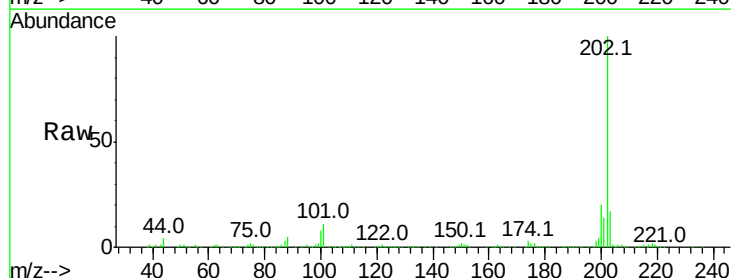
Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

Tgt Ion:202 Resp: 282396

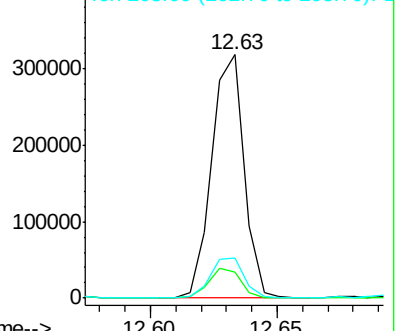
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	16.6	0.0	38.1



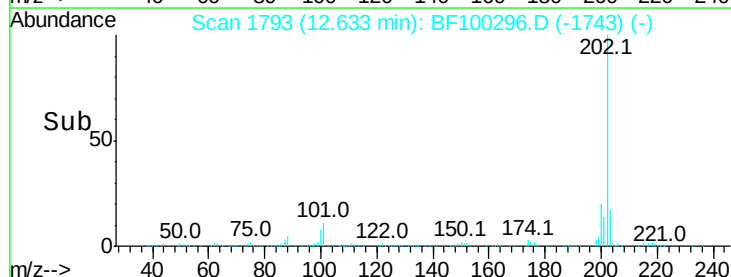
Abundance Ion 202.00 (201.70 to 202.70): E

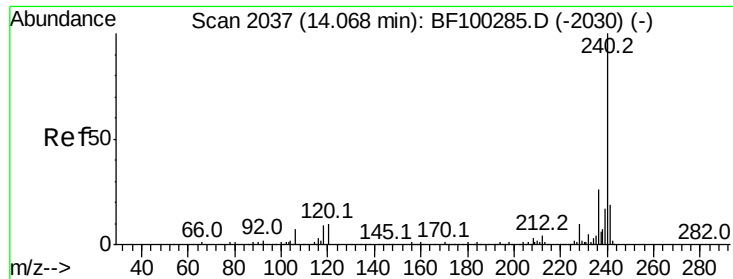
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.60 12.65





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

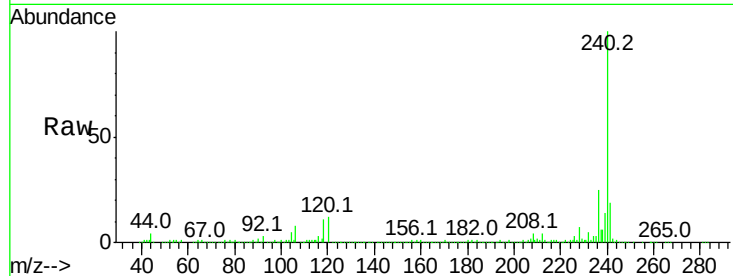
Tot Ion:240 Resp: 347325

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

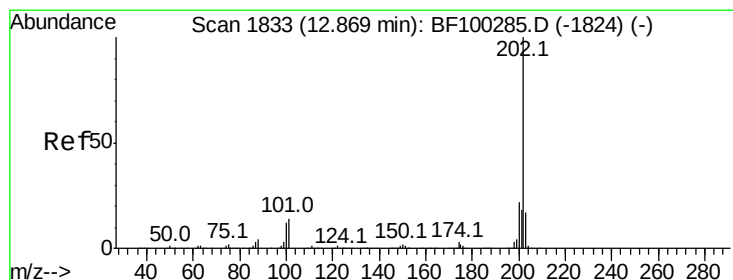
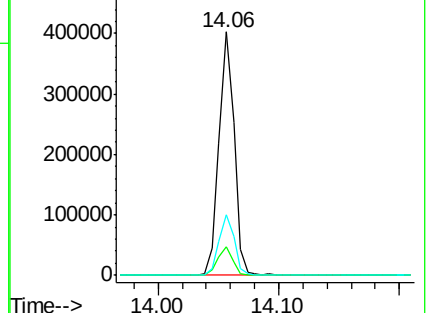
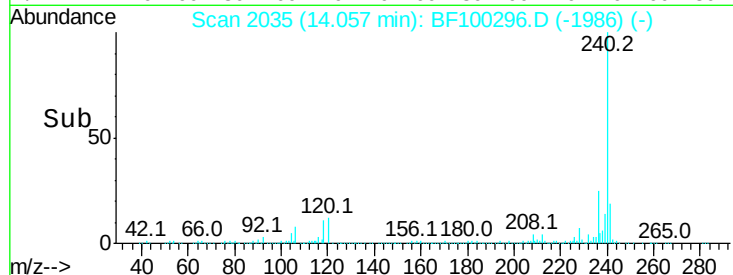
236 25.0 20.7 31.1



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: 12.830 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

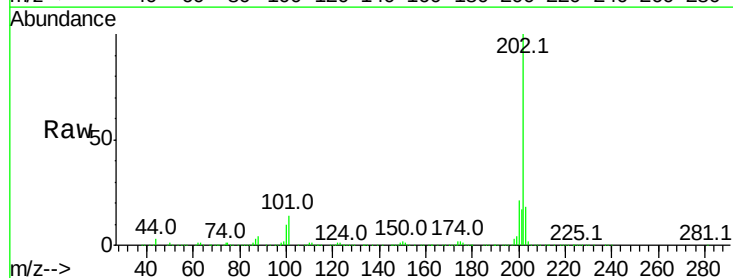
Tgt Ion:202 Resp: 317645

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

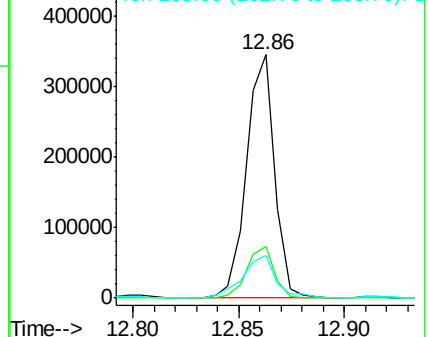
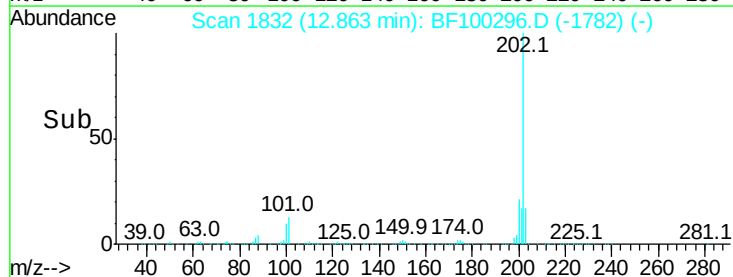
203 17.7 14.3 21.5

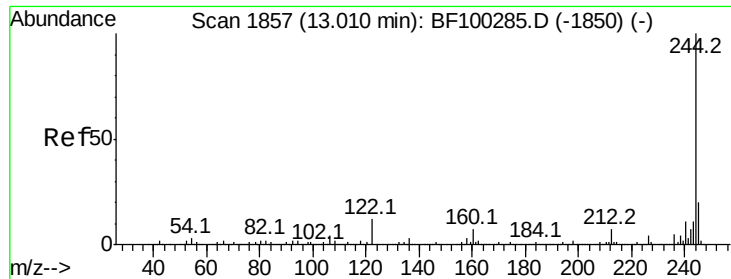


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

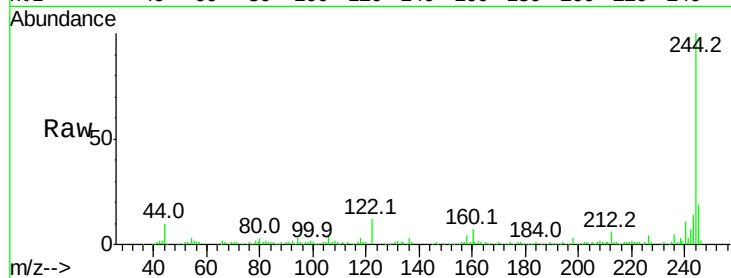
Ion 203.00 (202.70 to 203.70): E



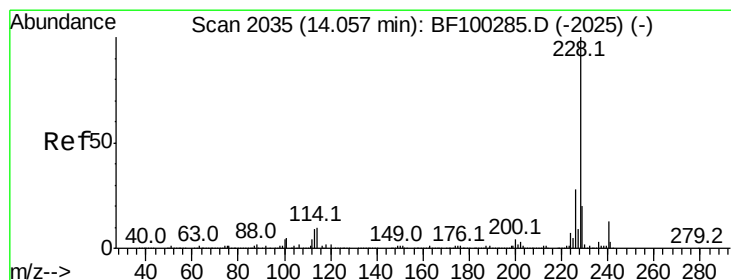
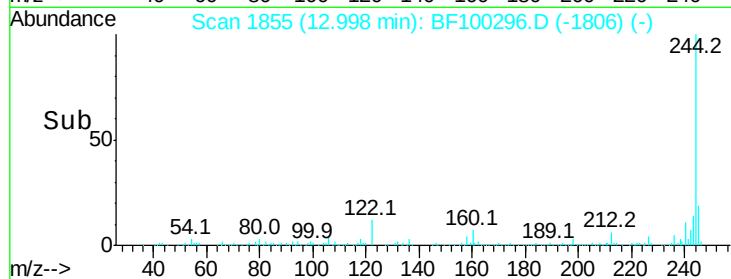
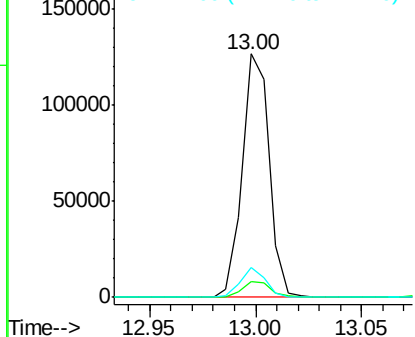


#78
 Terphenyl-d14
 Concen: 7.418 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

Tot Ion:244 Resp: 112129
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 12.5 11.0 16.4

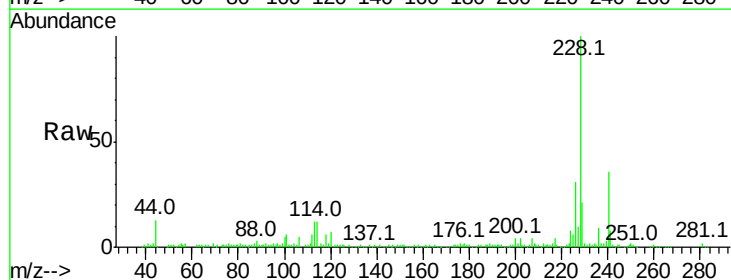


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

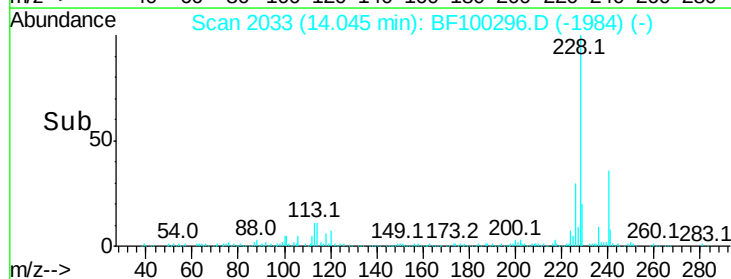
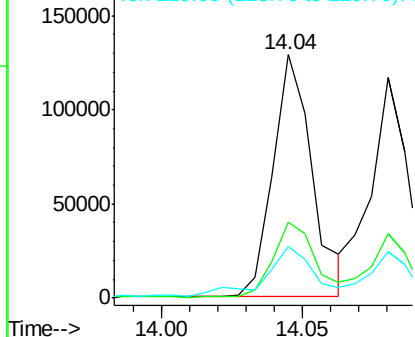


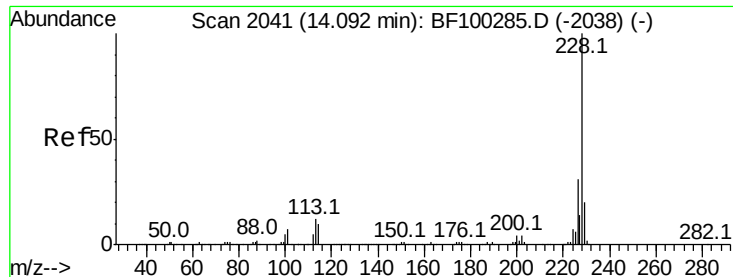
#80
 Benzo(a)anthracene
 Concen: 5.911 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF100296.D
 Acq: 8 Nov 2017 17:22

Tgt Ion:228 Resp: 123637
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 33.8
 229 21.1 15.8 23.6



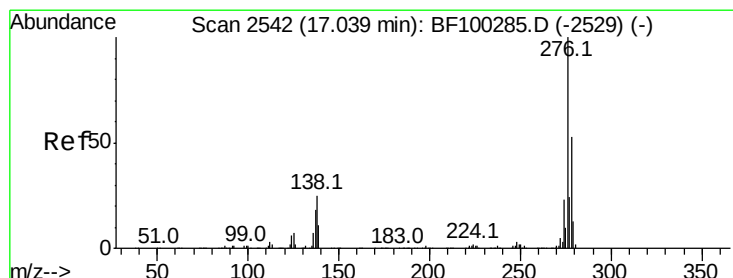
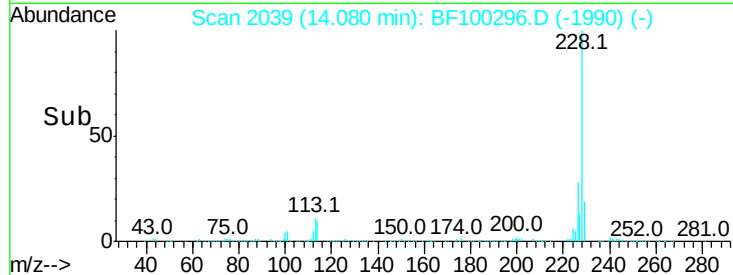
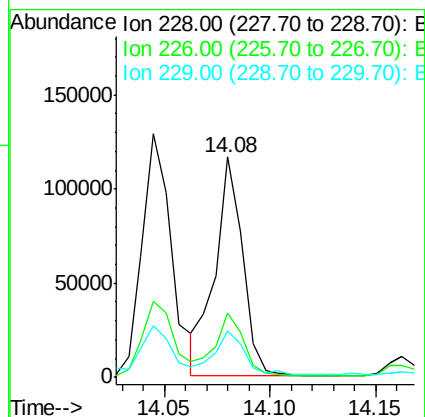
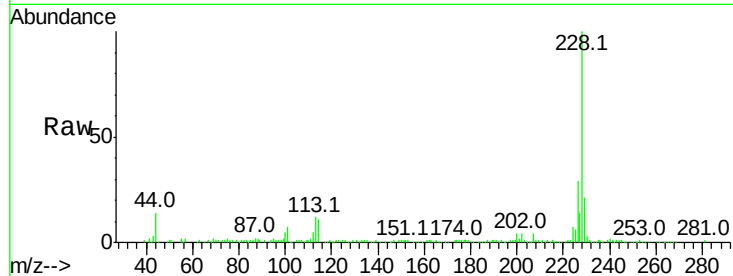
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





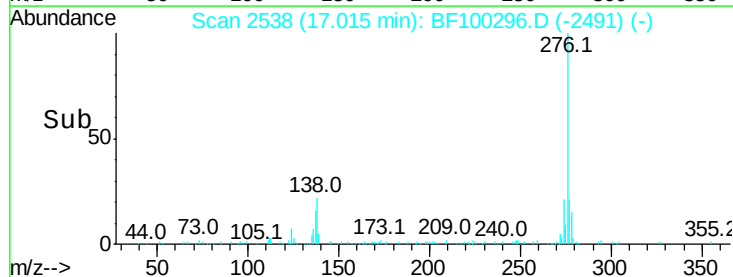
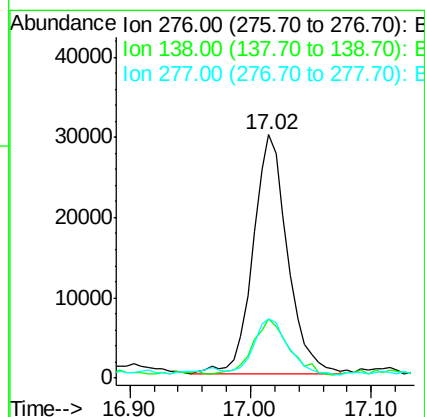
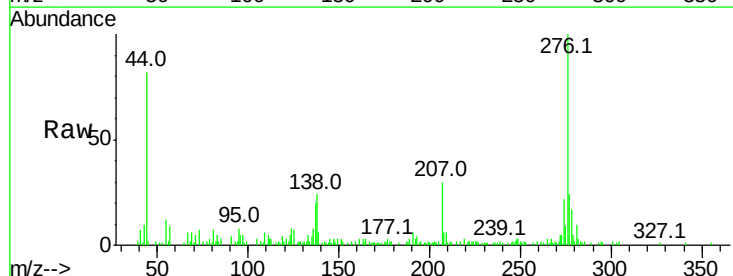
#82
Chrysene
Concen: 5.299 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

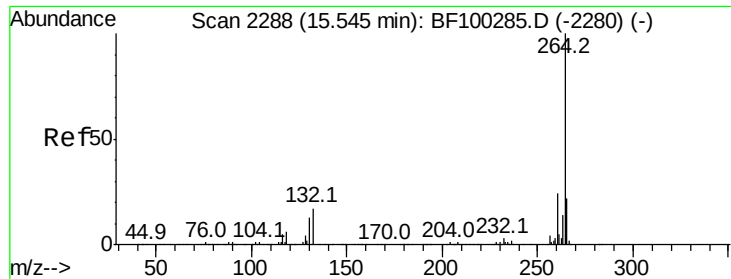
Tot Ion:228	Resp:	107329
Ion Ratio	Lower	Upper
228	100	
226	29.3	25.0 37.6
229	21.0	16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.576 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

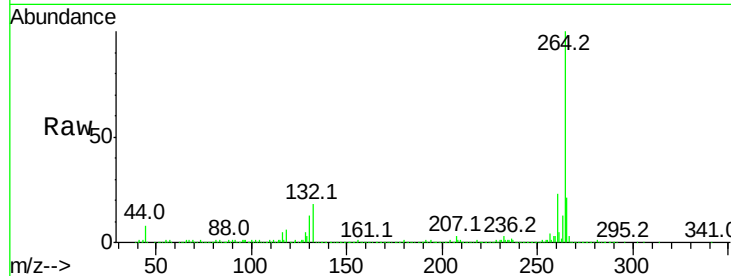
Tgt Ion:276	Resp:	58577
Ion Ratio	Lower	Upper
276	100	
138	24.9	25.0 37.6#
277	24.5	20.1 30.1



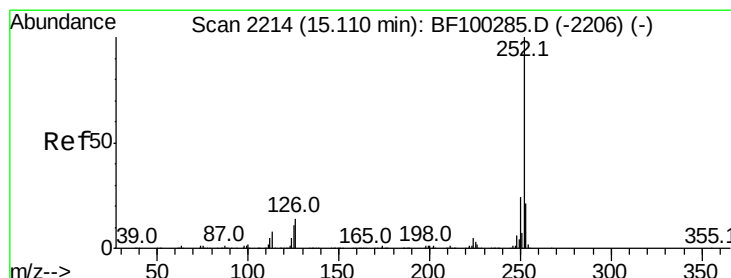
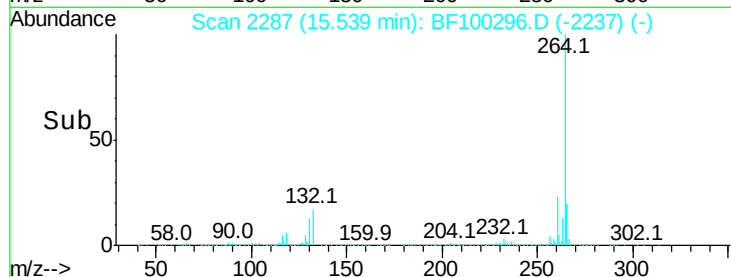
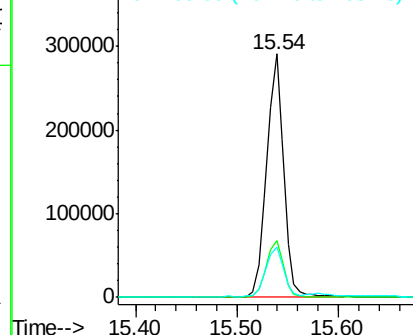


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tot Ion:	264	Resp:	344208
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.6	17.5	26.3

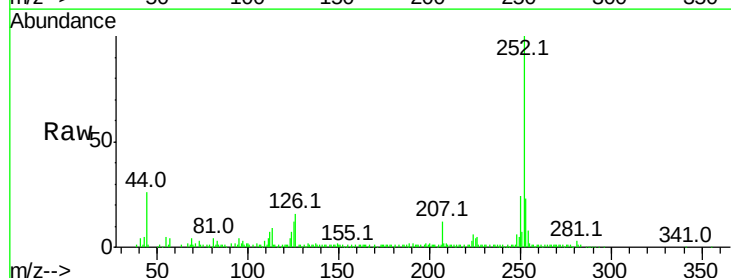


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

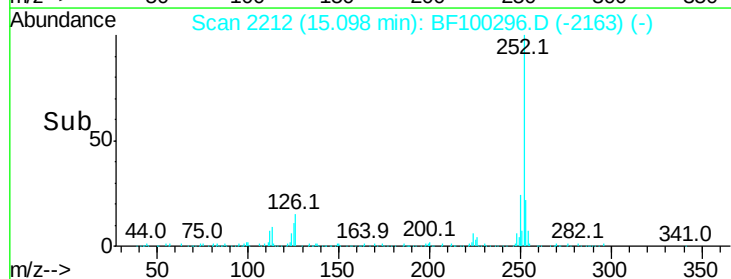
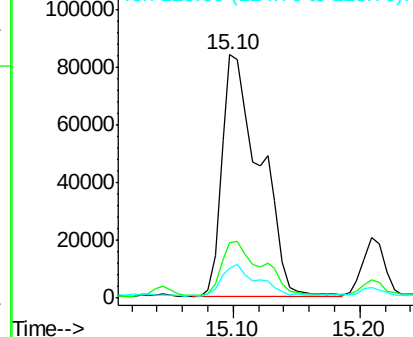


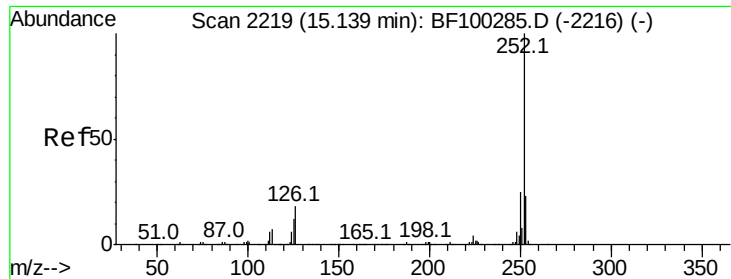
#87
Benzo(b)fluoranthene
Concen: 8.593 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tgt Ion:	252	Resp:	175231
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.4	9.0	13.6



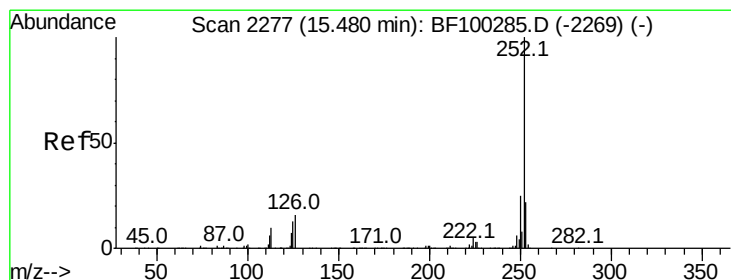
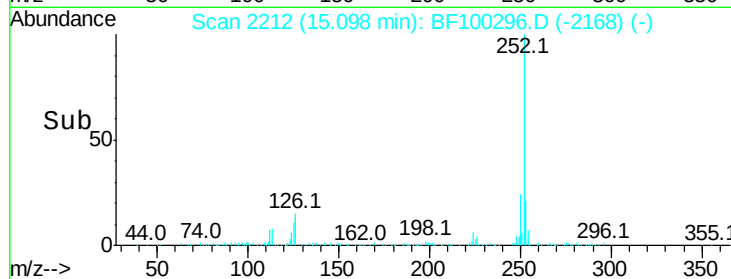
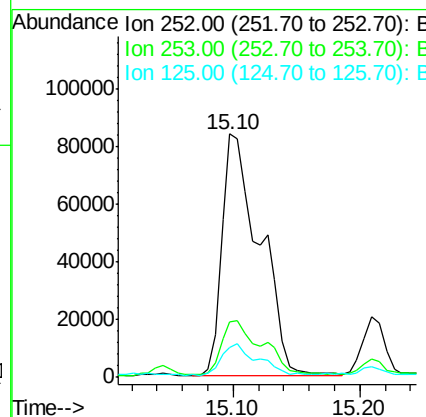
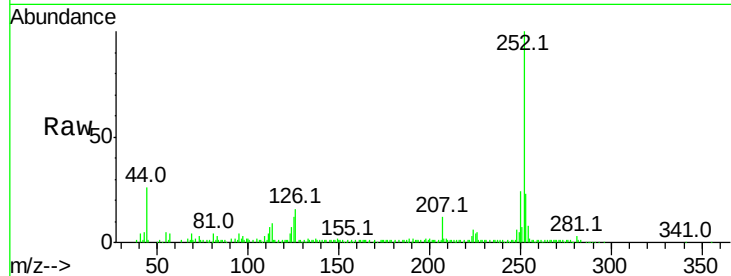
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





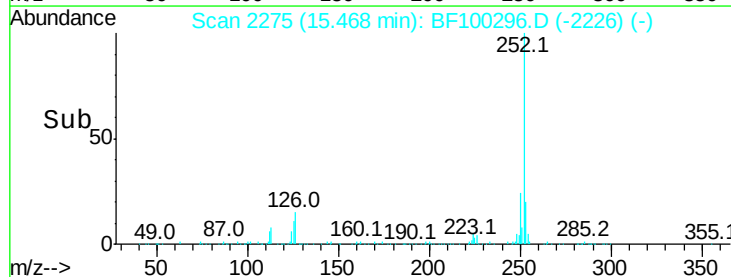
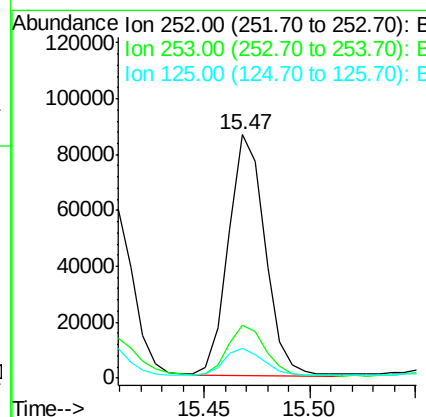
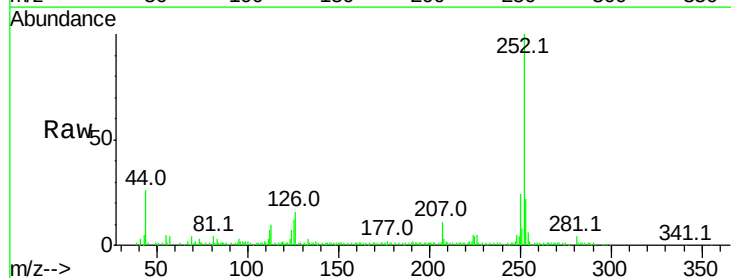
#88
Benzo(k)fluoranthene
Concen: 9.094 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

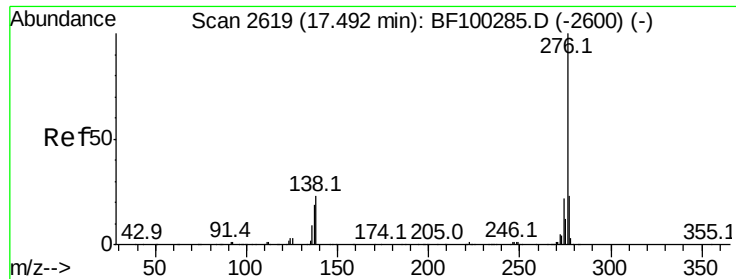
Tot	Ion:252	Resp:	175231
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.738 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF100296.D
Acq: 8 Nov 2017 17:22

Tgt	Ion:252	Resp:	103744
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	12.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.215 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.02 min

Lab File: BF100296.D

Acq: 8 Nov 2017 17:22

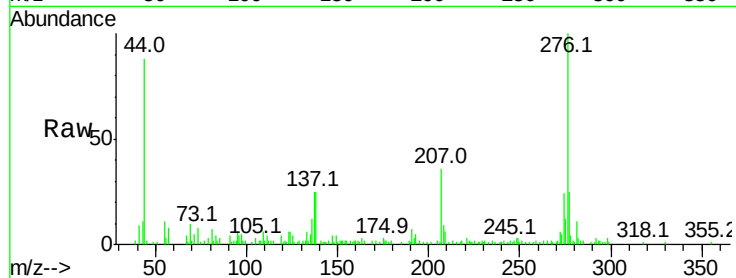
Tot Ion: 276 Resp: 61010

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 24.6 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

