

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104910.D
 Acq On : 28 Apr 2018 5:15
 Operator : JU/SJ
 Sample : J2565-10 100X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 28 06:39:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	85466	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	341795	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	139026	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	217626	20.00	ng	0.00
75) Chrysene-d12	13.98	240	194995	20.00	ng	0.00
86) Perylene-d12	15.44	264	154385	20.00	ng	0.00

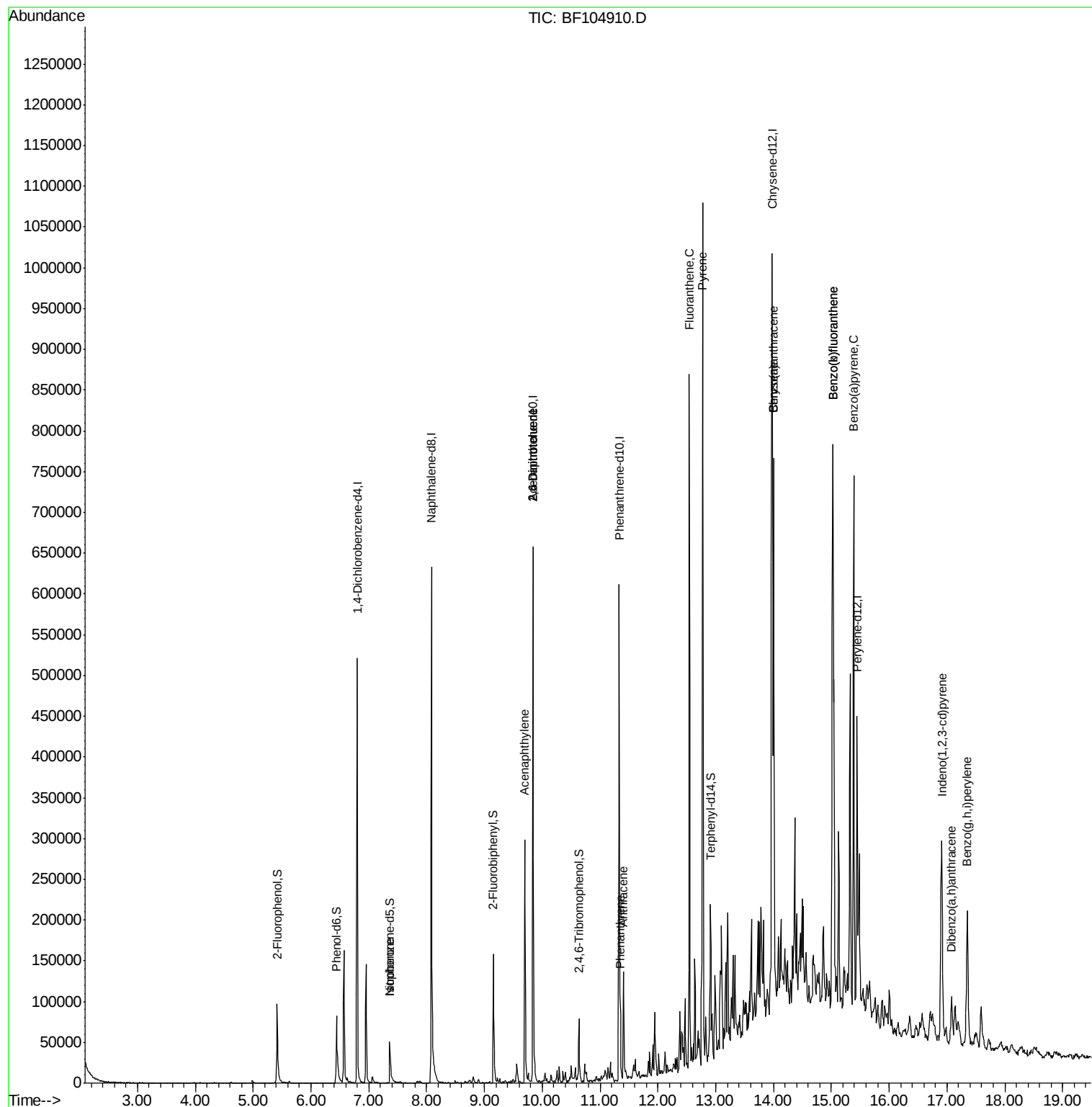
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	47810	8.55	ng	0.00
7) Phenol-d6	6.44	99	57579	8.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	30743	5.87	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	11482	7.96	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	66457	7.55	ng	0.00
78) Terphenyl-d14	12.91	244	51686	6.04	ng	-0.01

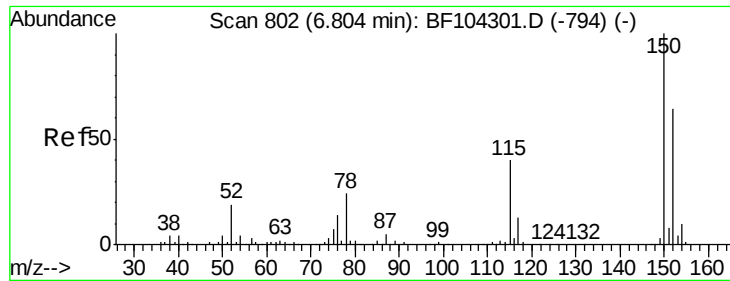
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	990	Below Cal	#	75
25) Isophorone	7.37	82	30743	2.78	ng	# 64
48) Acenaphthylene	9.70	152	144836	10.01	ng	99
50) 2,6-Dinitrotoluene	9.84	165	16993	8.38	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	16993	6.39	ng	# 23
70) Phenanthrene	11.35	178	25107	2.07	ng	98
71) Anthracene	11.40	178	63947	5.19	ng	95
74) Fluoranthene	12.55	202	313887	24.79	ng	98
76) Benzidine	12.92	184	677	Below Cal	#	55
77) Pyrene	12.77	202	407488	28.19	ng	99
80) Benzo(a)anthracene	14.00	228	244227	20.97	ng	94
82) Chrysene	14.00	228	244227	20.41	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	150684	14.82	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	523142	53.65	ng	96
88) Benzo(k)fluoranthene	15.02	252	523142	56.83	ng	99
89) Benzo(a)pyrene	15.39	252	276344	31.67	ng	97
90) Dibenzo(a,h)anthracene	17.08	278	35858	5.00	ng	96
91) Benzo(g,h,i)perylene	17.35	276	132680	19.11	ng	95

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
Data File : BF104910.D
Acq On : 28 Apr 2018 5:15
Operator : JU/SJ
Sample : J2565-10 100X
Misc :
ALS Vial : 30 Sample Multiplier: 1

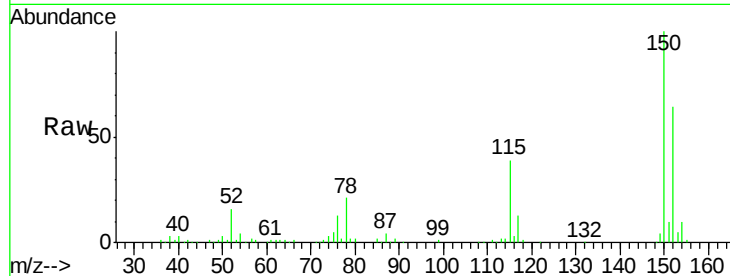
Quant Time: Apr 28 06:39:20 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 17:16:11 2018
Response via : Initial Calibration



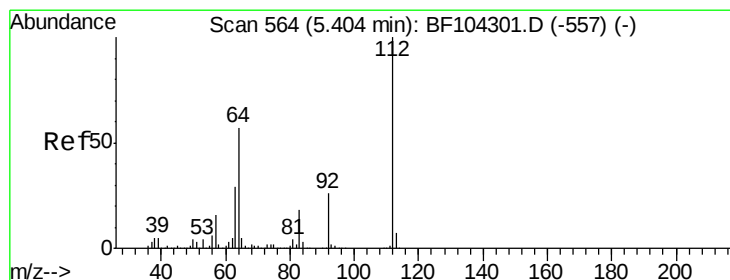
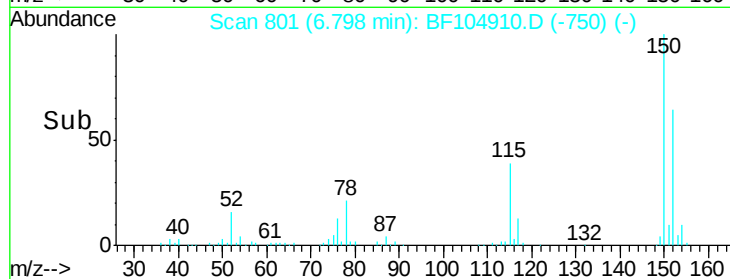
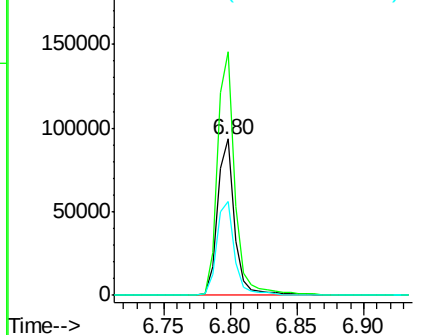


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tot Ion:152 Resp: 85466
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.6 186.8
 115 60.5 50.1 75.1

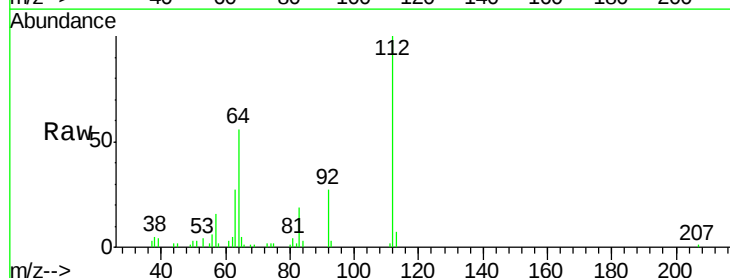


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

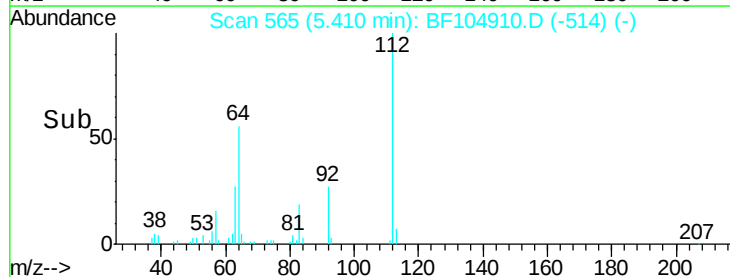
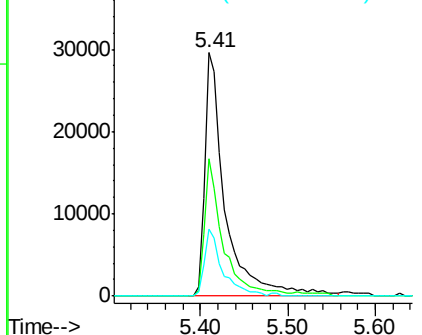


#5
 2-Fluorophenol
 Concen: 8.55 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion:112 Resp: 47810
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 8.38 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

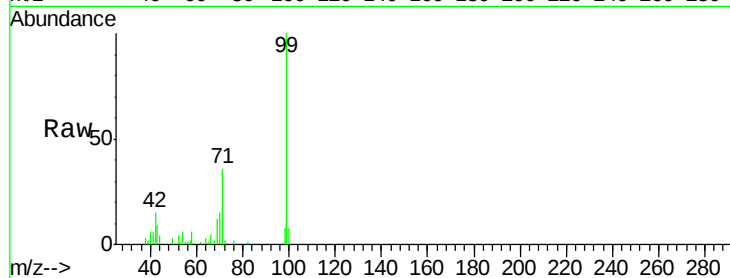
Tot Ion: 99 Resp: 57579

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

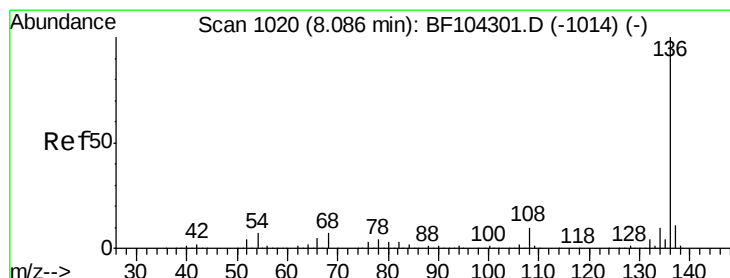
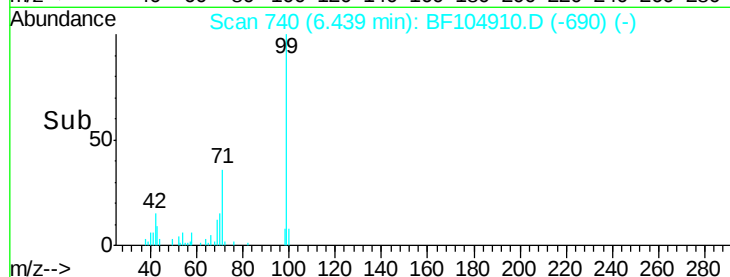
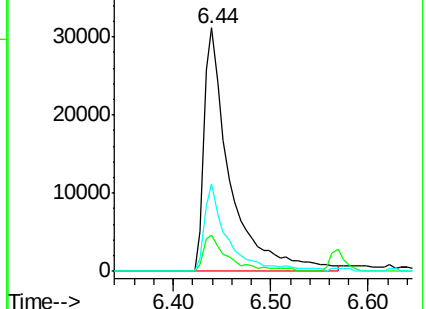
71 35.7 25.4 38.0



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: 20.00 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

Tgt Ion: 136 Resp: 341795

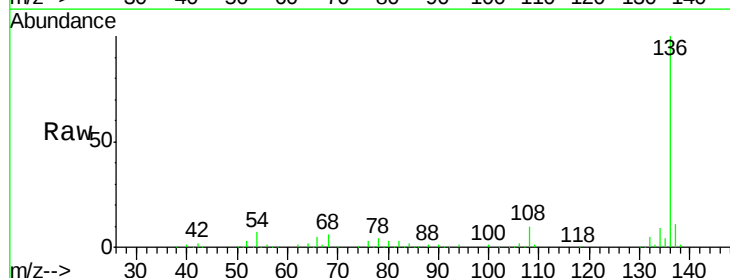
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.6 6.6 9.8

68 5.7 5.0 7.4

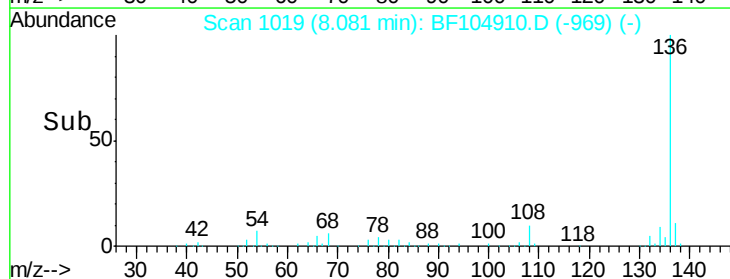
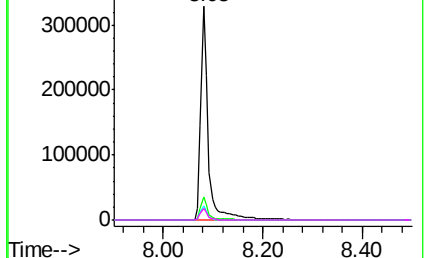


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

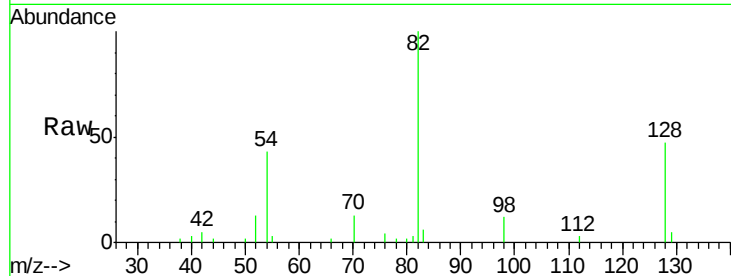
Ion 68.00 (67.70 to 68.70): BF1



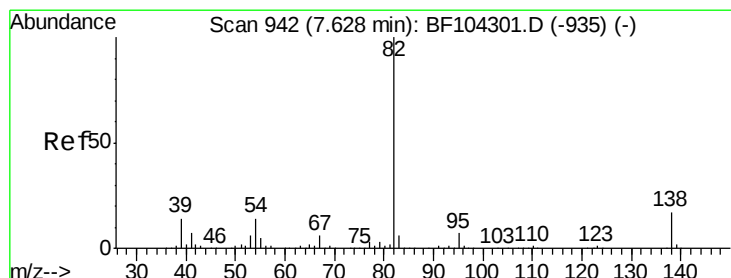
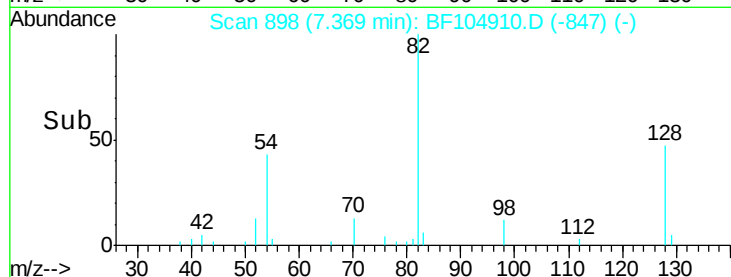
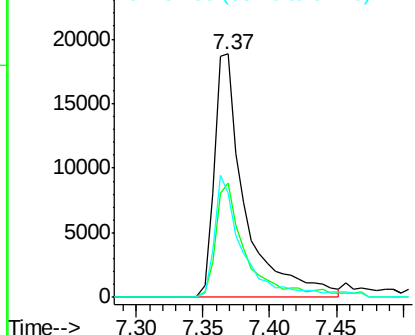


#23
 Nitrobenzene-d5
 Concen: 5.87 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	42.8	41.4	62.2

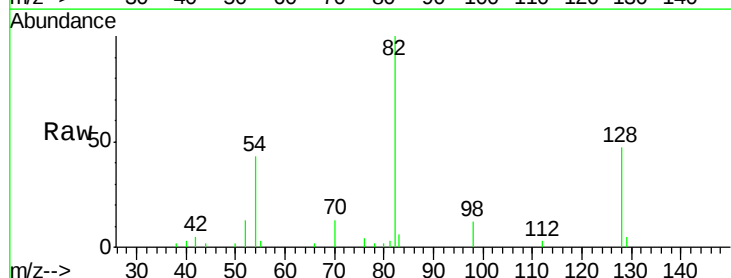


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

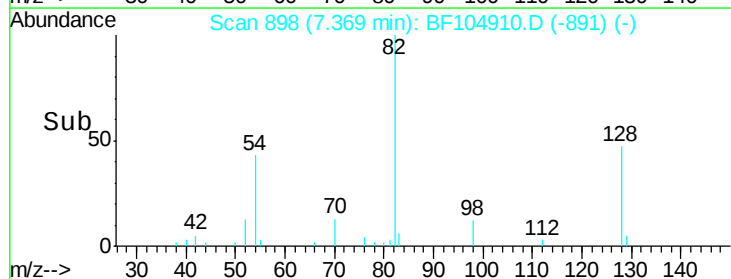
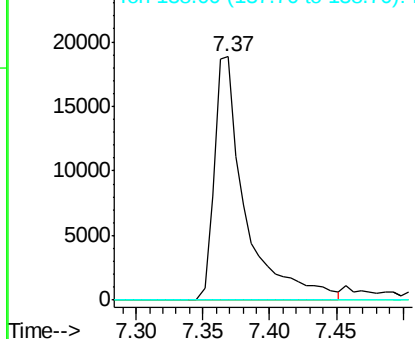


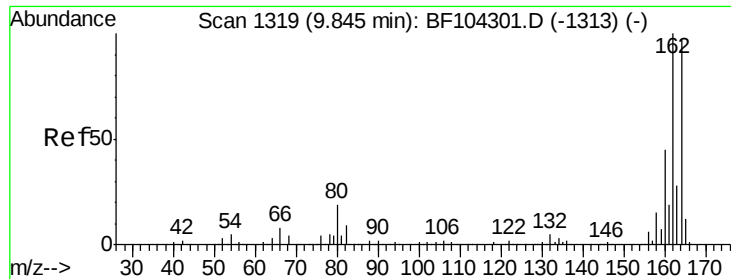
#25
 Isophorone
 Concen: 2.78 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

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



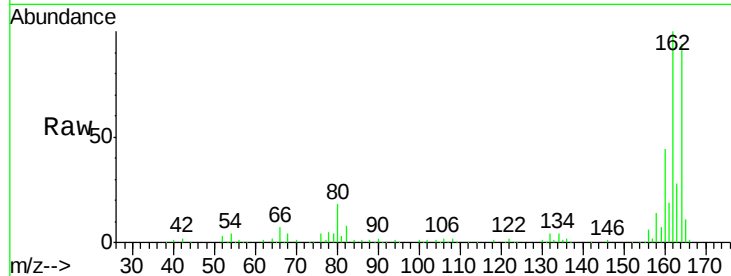
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1



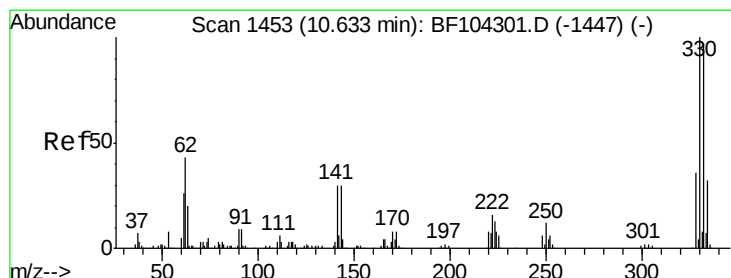
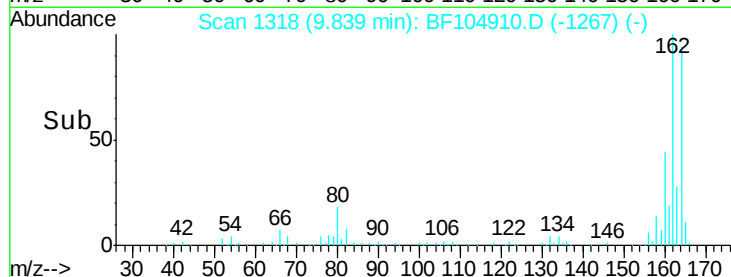
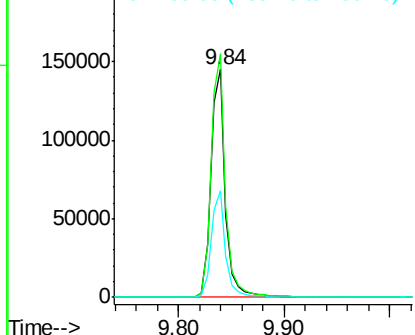


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tot Ion:164 Resp: 139026
Ion Ratio Lower Upper
164 100
162 106.9 86.1 129.1
160 47.0 38.3 57.5

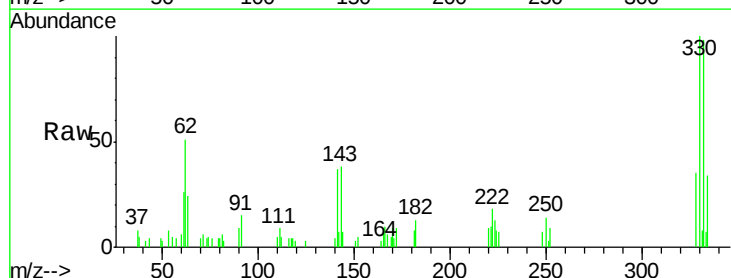


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

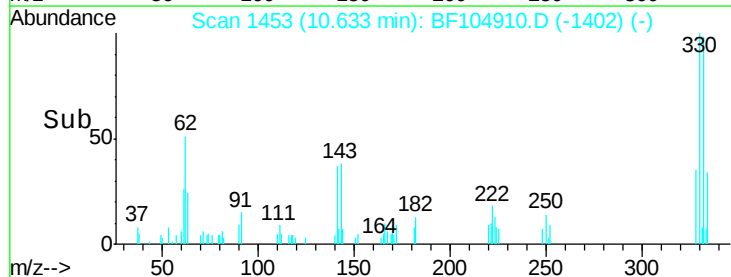
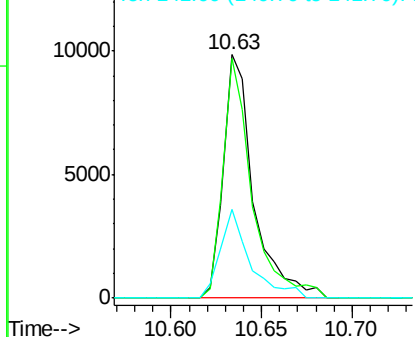


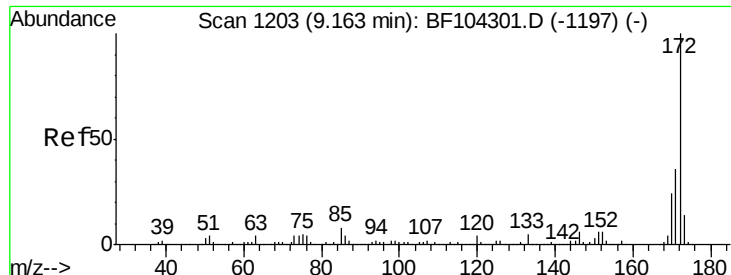
#41
2,4,6-Tribromophenol
Concen: 7.96 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion:330 Resp: 11482
Ion Ratio Lower Upper
330 100
332 93.9 77.0 115.6
141 35.8 29.9 44.9



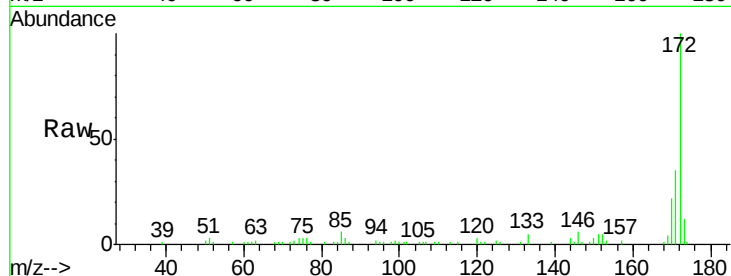
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



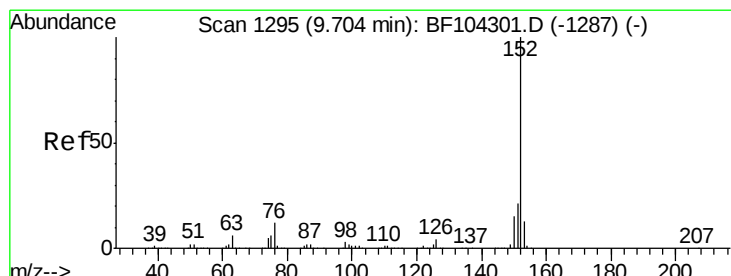
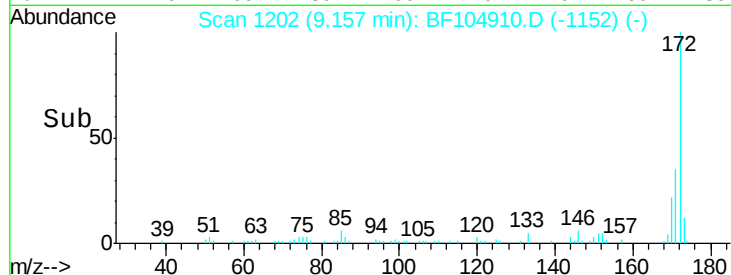
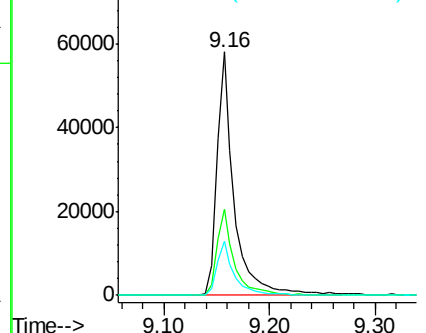


#44
 2-Fluorobiphenyl
 Concen: 7.55 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.1	19.6	29.4

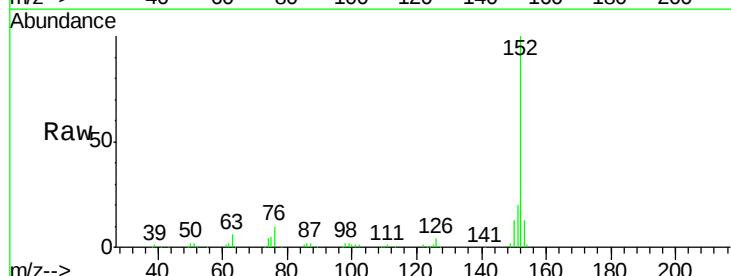


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

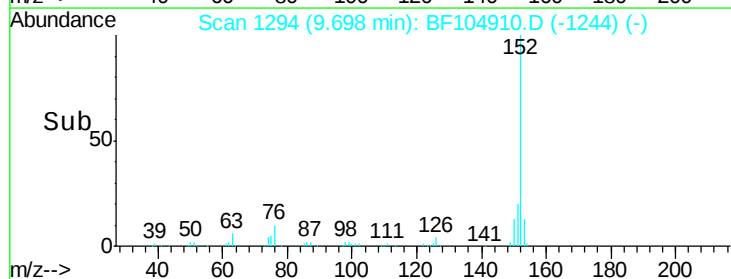
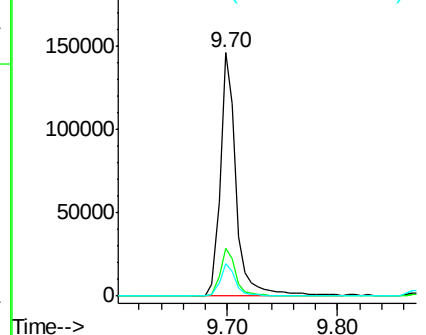


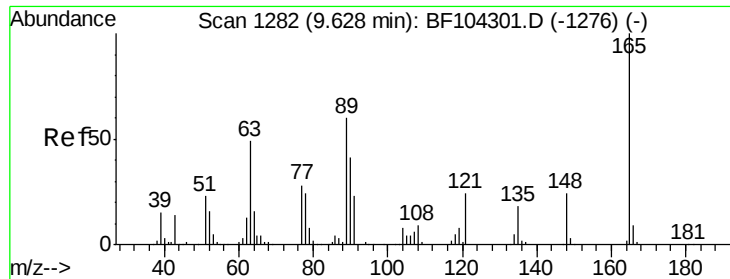
#48
 Acenaphthylene
 Concen: 10.01 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.3	10.7	16.1



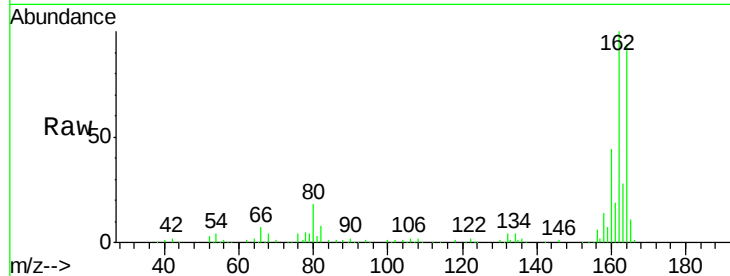
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50
 2,6-Dinitrotoluene
 Concen: 8.38 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

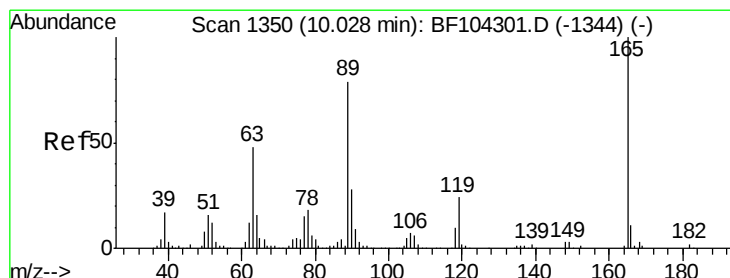
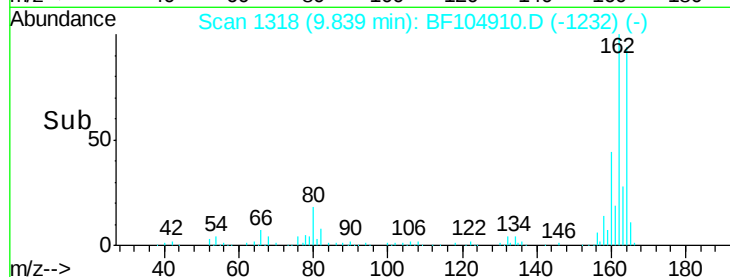
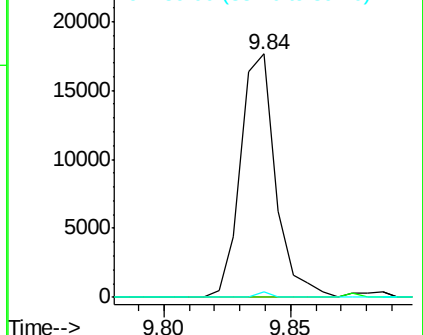
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.3	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

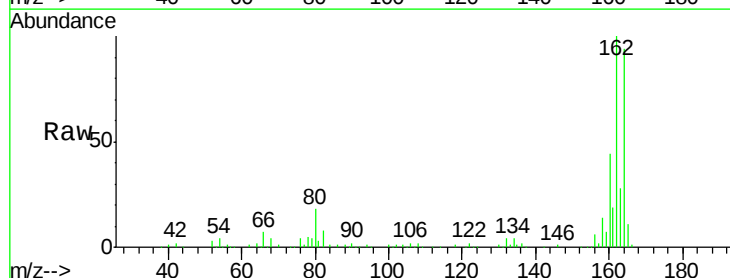
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.3	57.8	86.6#
182	0.0	1.6	2.4#

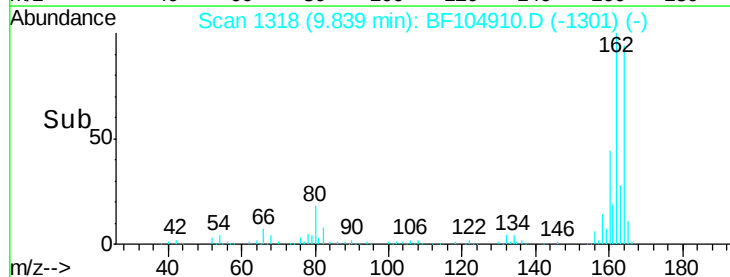
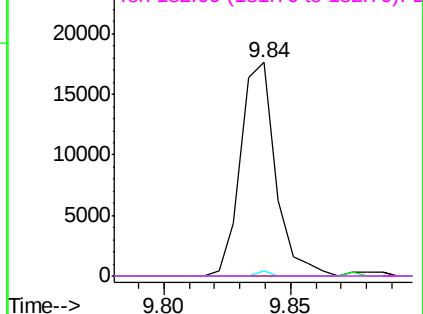


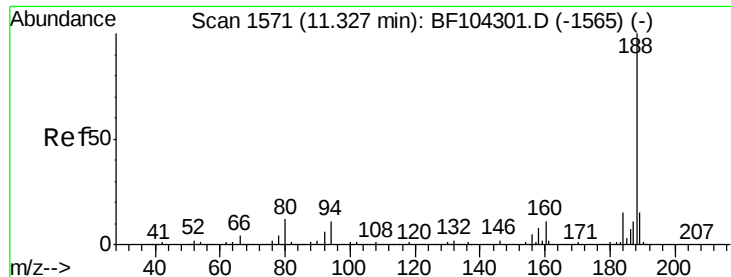
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

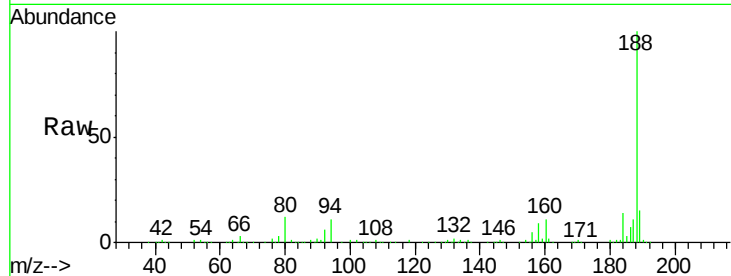
Ion 182.00 (181.70 to 182.70): E





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

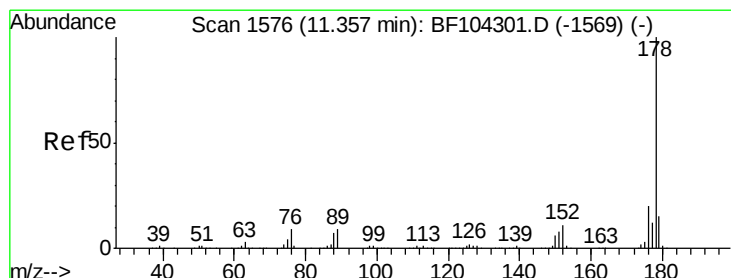
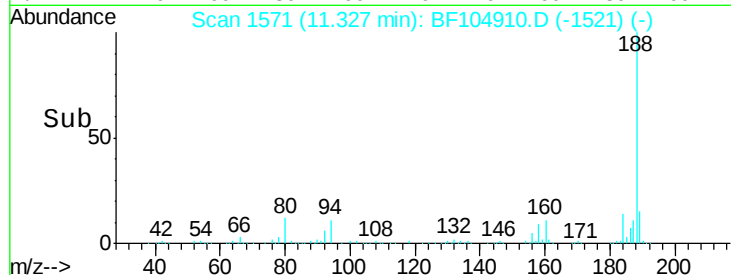
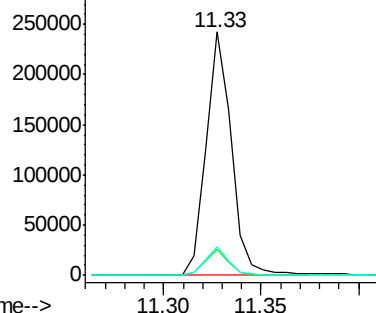
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

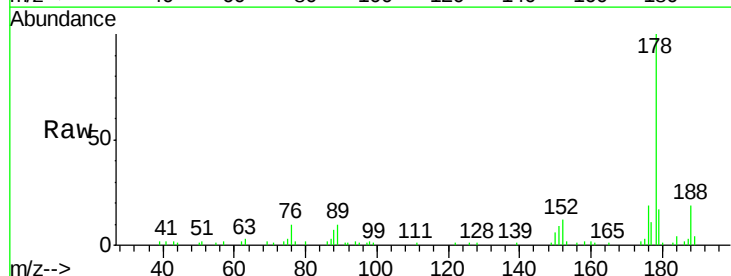
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
Phenanthrene
Concen: 2.07 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

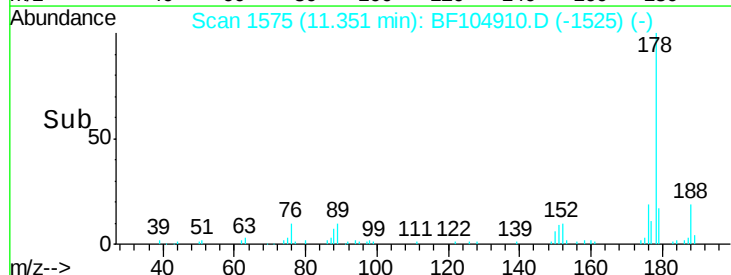
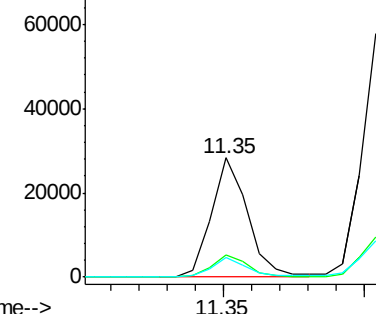
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.7	13.0	19.6

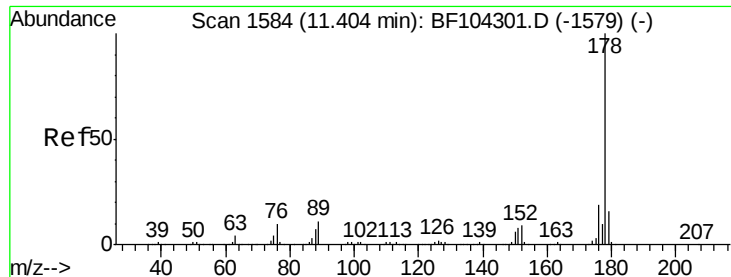


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.19 ng

RT: 11.40 min Scan# 1584

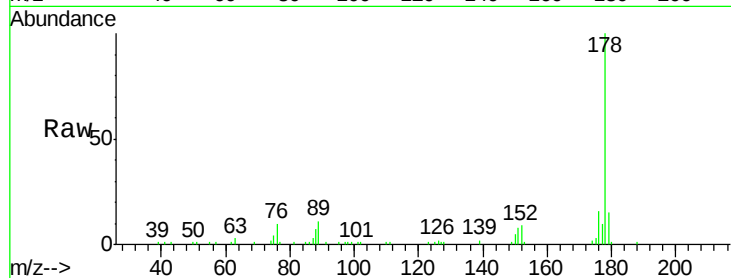
Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

Tot Ion:178 Resp: 63947

Ion	Ratio	Lower	Upper
178	100		
176	16.3	15.4	23.2
179	15.0	12.6	19.0

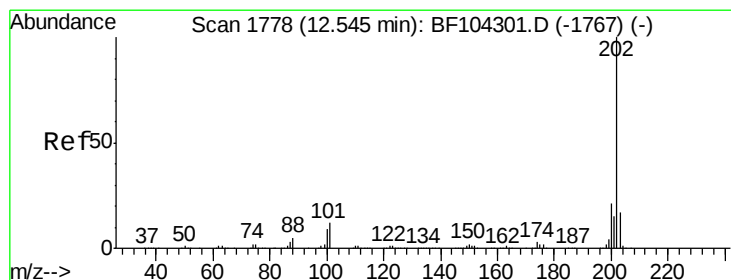
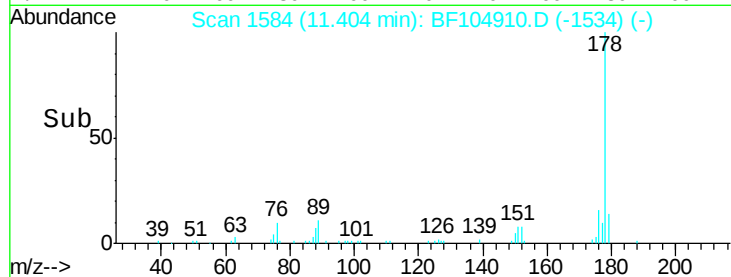
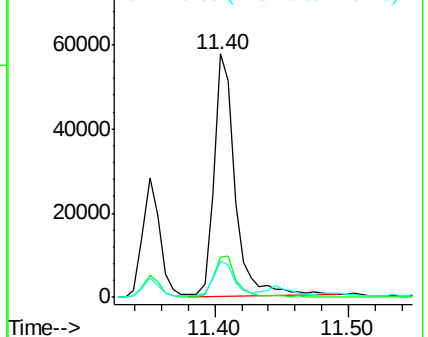


Abundance

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: 24.79 ng

RT: 12.55 min Scan# 1778

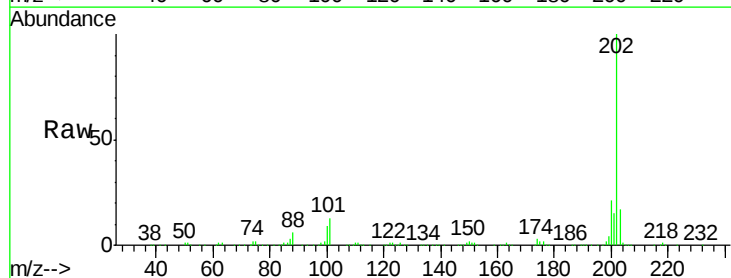
Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

Tgt Ion:202 Resp: 313887

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.5	0.0	38.1

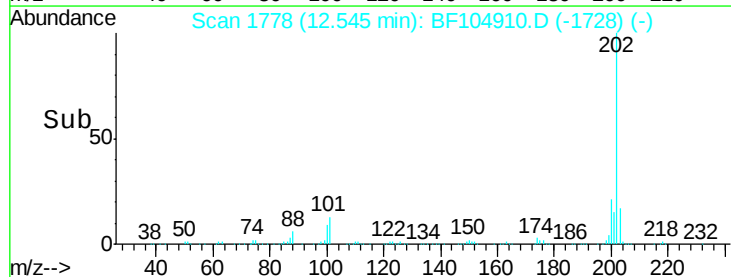
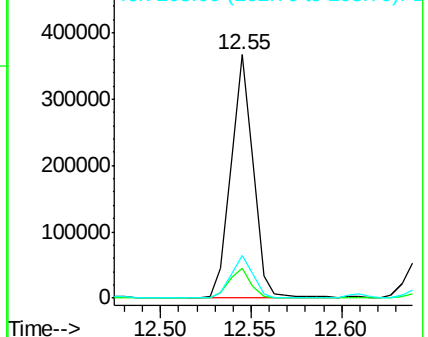


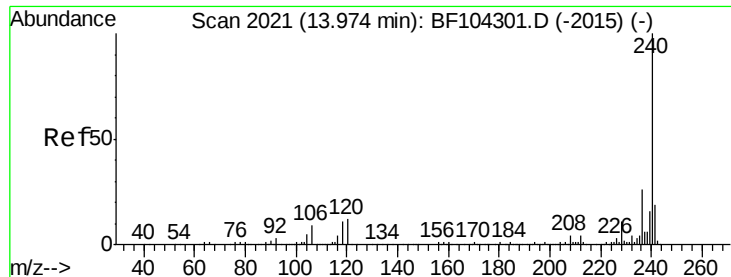
Abundance

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: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

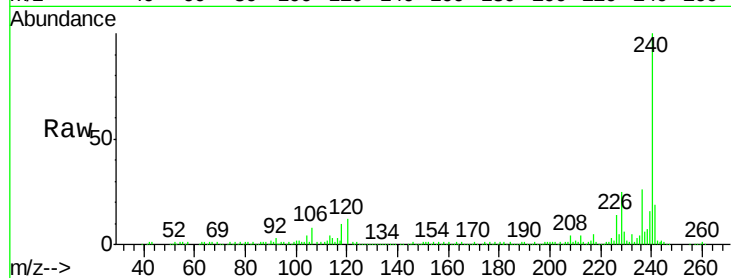
Tot Ion:240 Resp: 194995

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

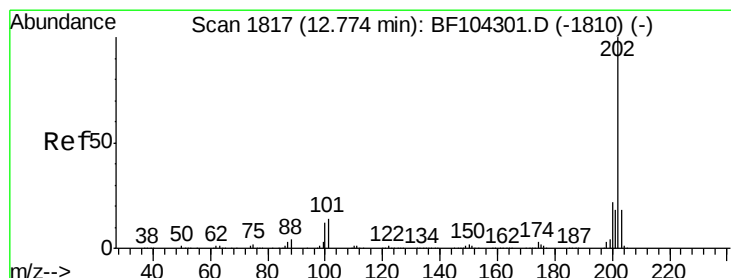
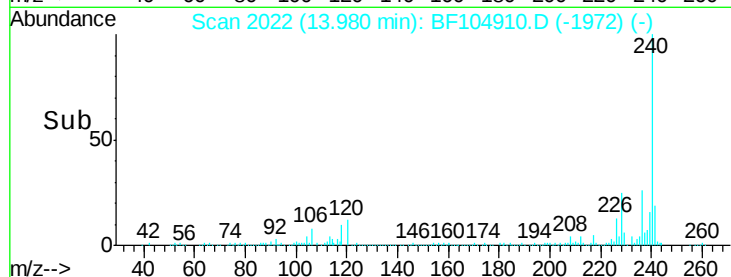
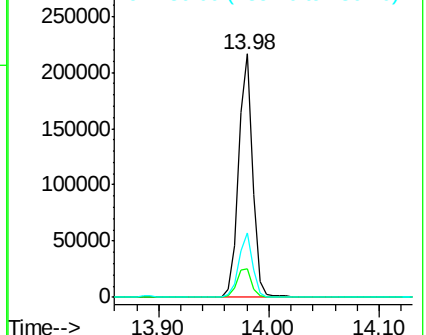
236 26.3 20.7 31.1



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: 28.19 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

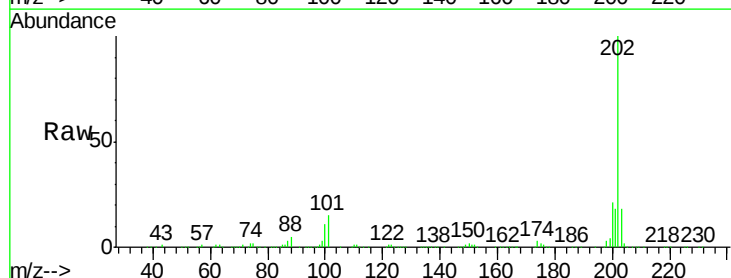
Tgt Ion:202 Resp: 407488

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

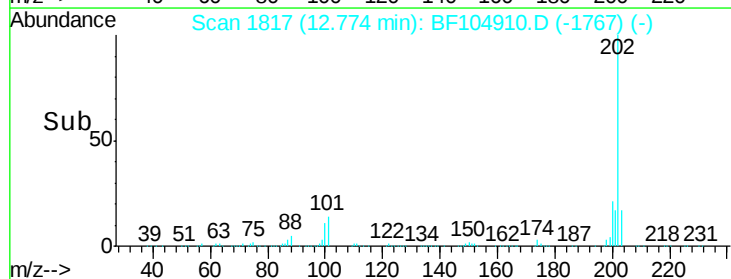
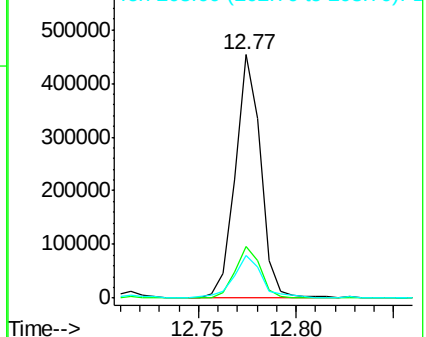
203 17.5 14.3 21.5

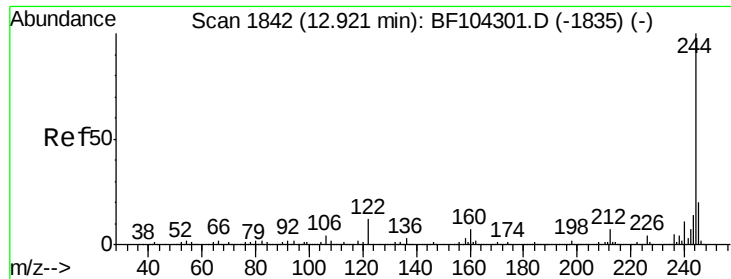


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

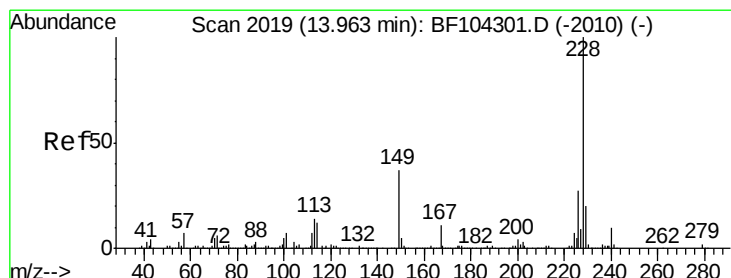
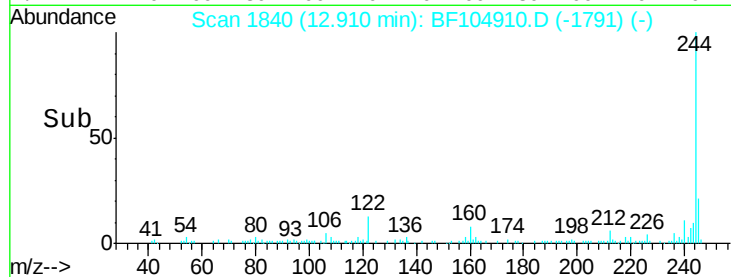
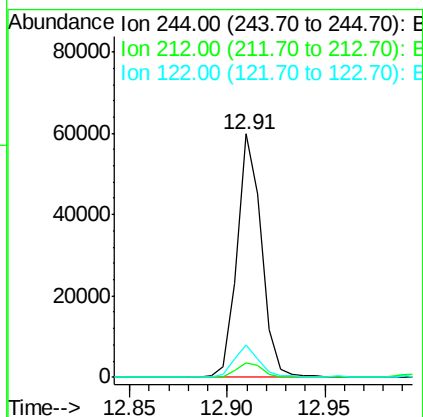
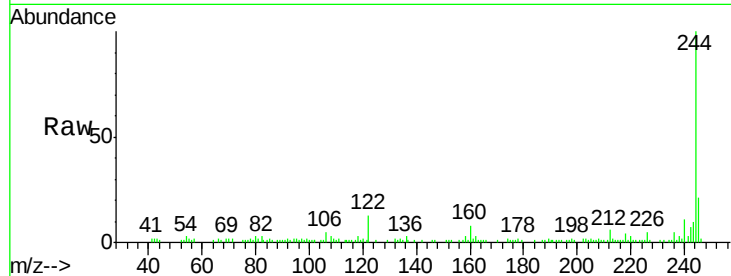
Ion 203.00 (202.70 to 203.70): E





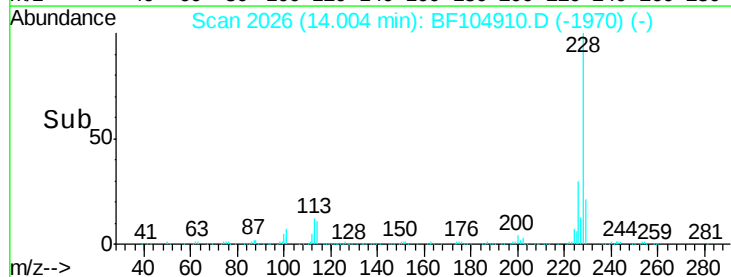
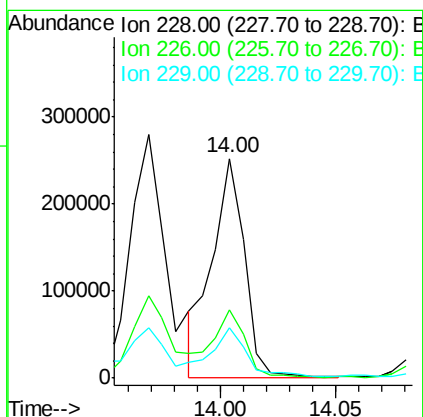
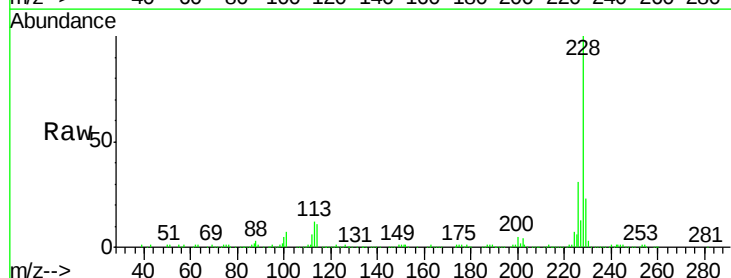
#78
 Terphenyl-d14
 Concen: 6.04 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

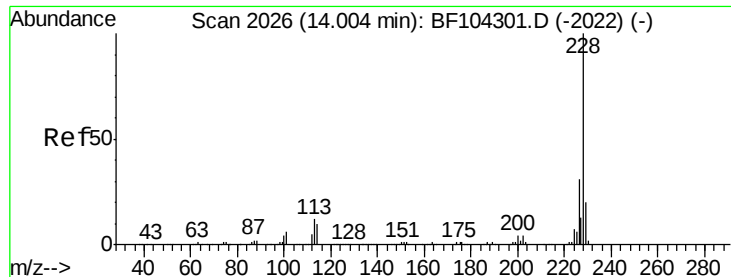
Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	13.4	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 20.97 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.03 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

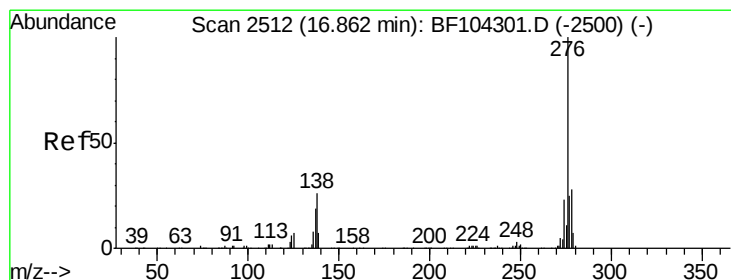
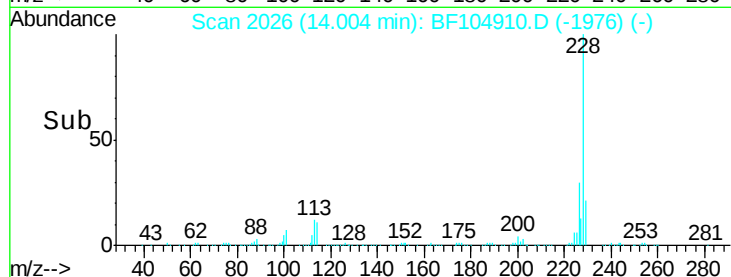
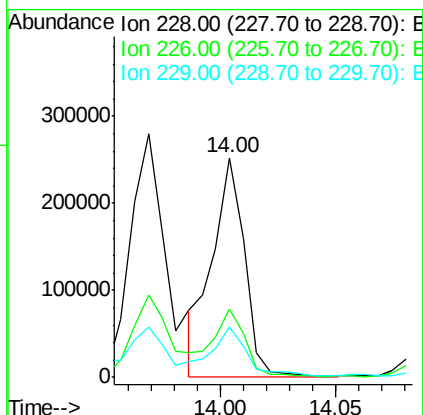
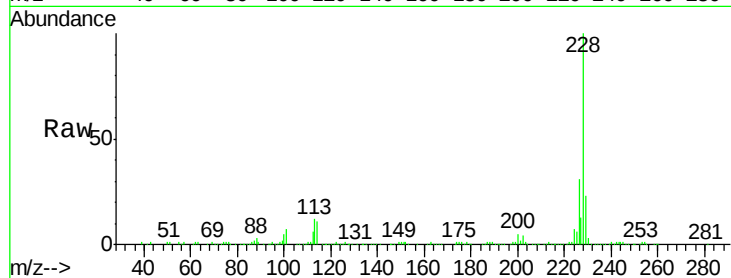
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	22.7	15.8	23.6





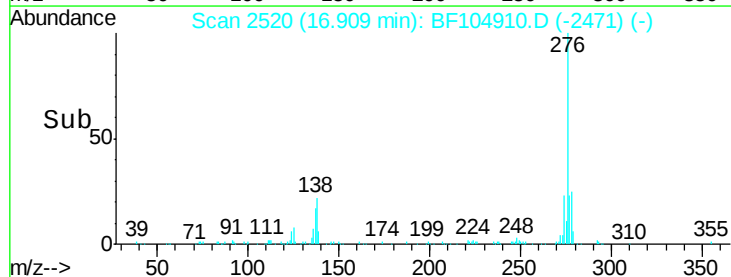
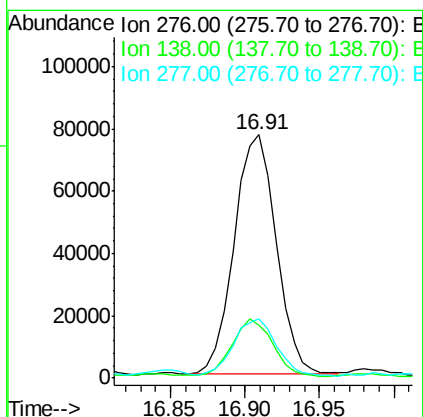
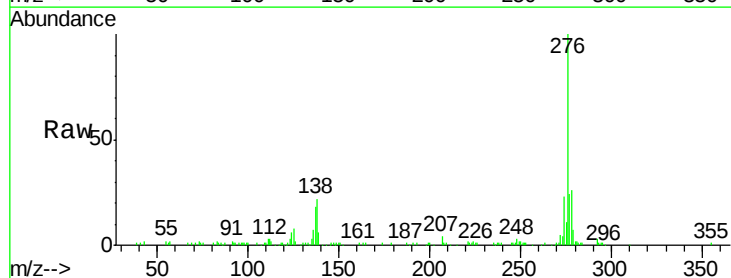
#82
Chrysene
Concen: 20.41 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

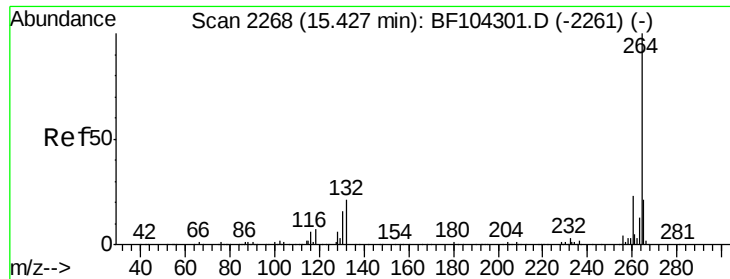
Tot	Ion:228	Resp:	244227
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.7	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 14.82 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

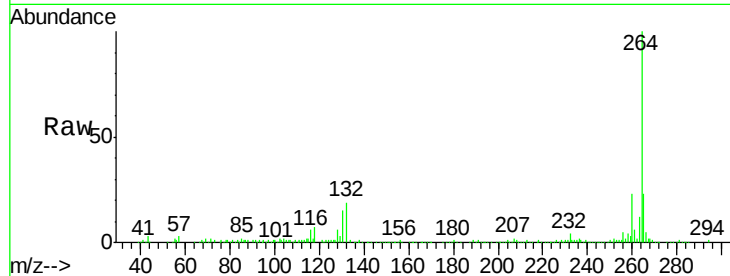
Tgt	Ion:276	Resp:	150684
Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	24.3	20.1	30.1



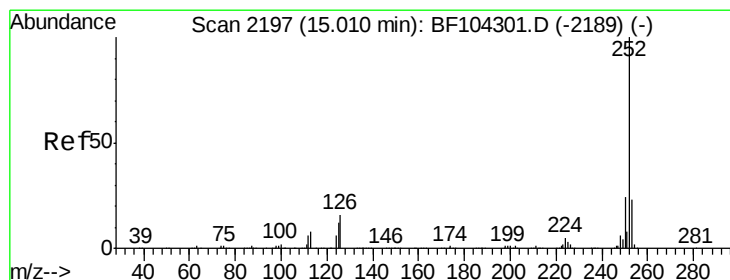
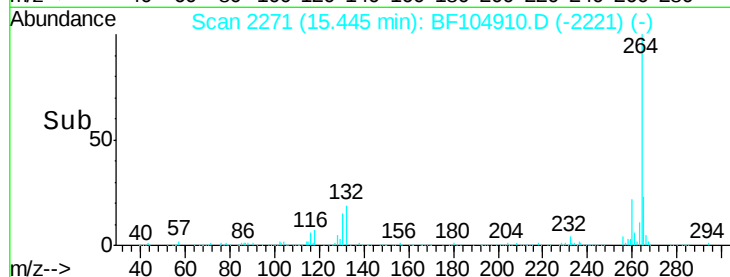
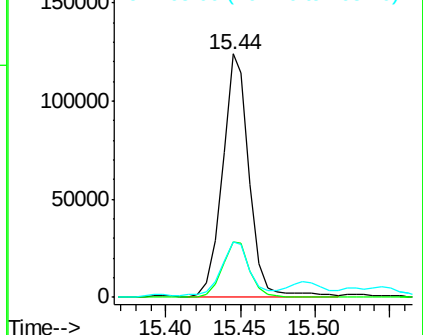


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tot Ion:264	Resp:	154385
Ion Ratio	Lower	Upper
264	100	
260	22.6	19.2 28.8
265	23.0	17.5 26.3

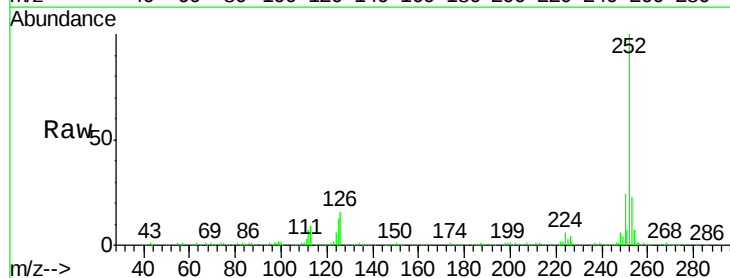


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

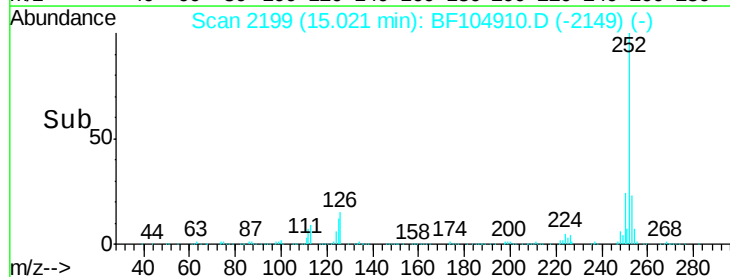
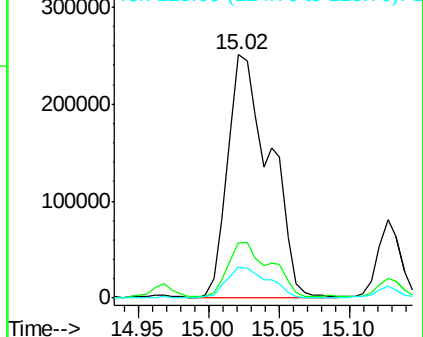


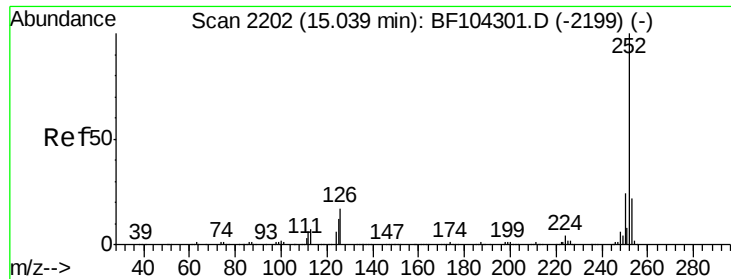
#87
Benzo(b)fluoranthene
Concen: 53.65 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion:252	Resp:	523142
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.0 25.6
125	12.7	9.0 13.6



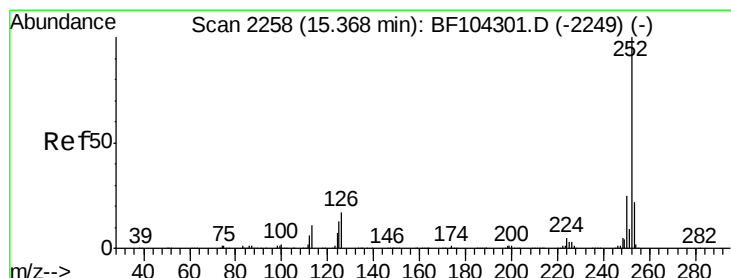
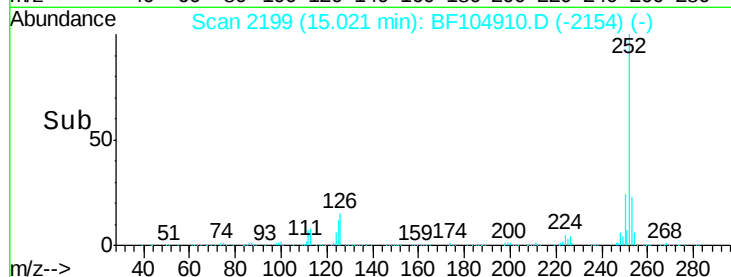
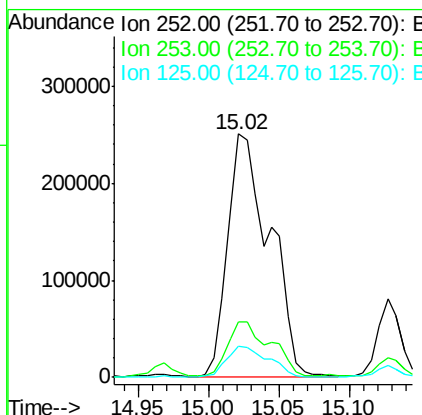
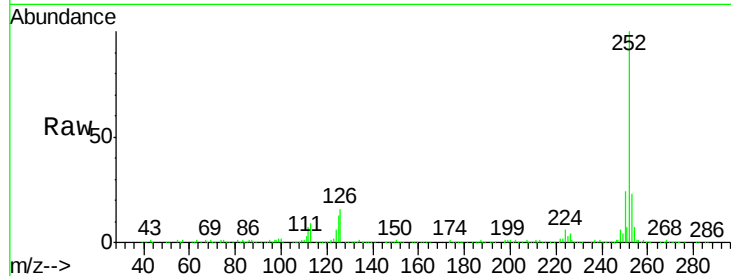
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





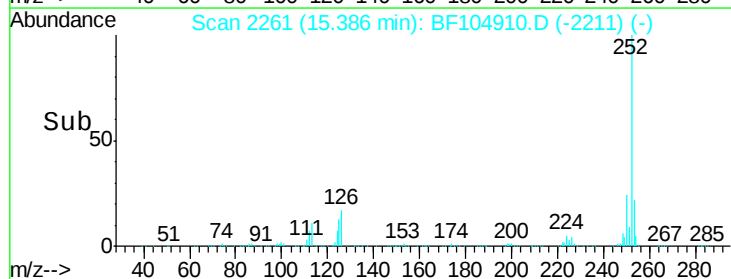
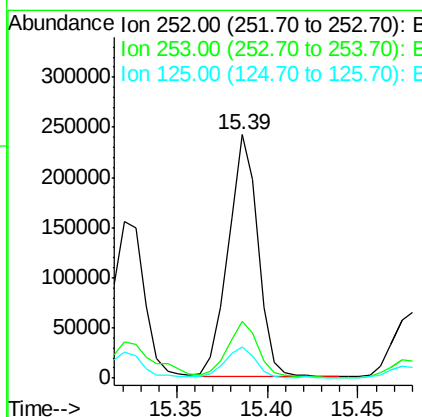
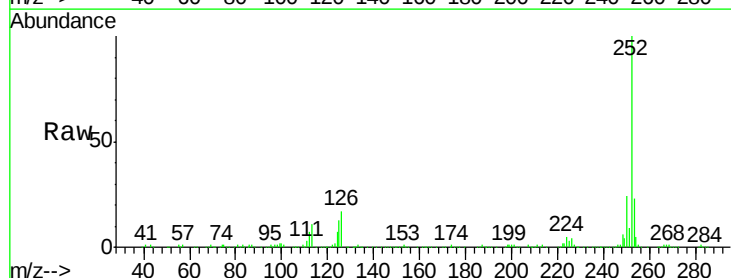
#88
Benzo(k)fluoranthene
Concen: 56.83 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

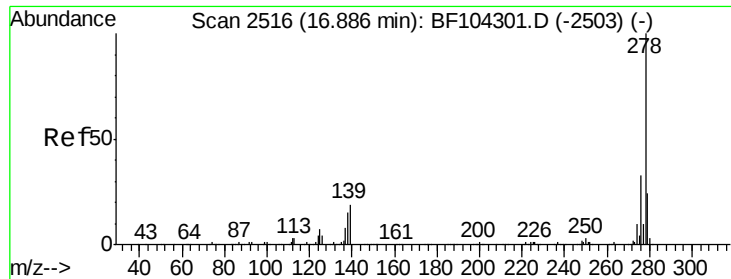
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 31.67 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.0	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.00 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.15 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

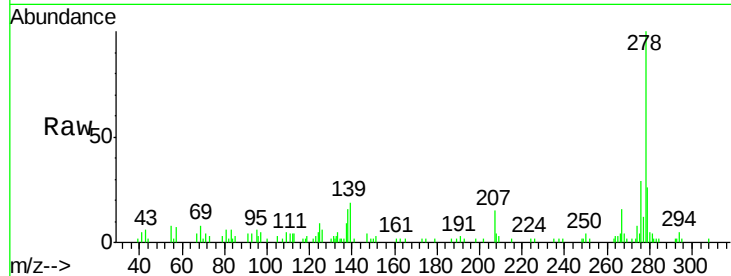
Tot Ion:278 Resp: 35858

Ion Ratio Lower Upper

278 100

139 18.5 15.9 23.9

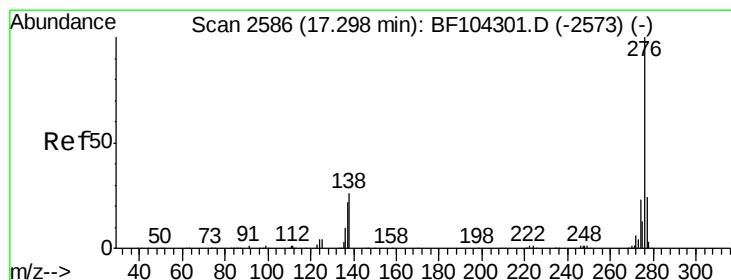
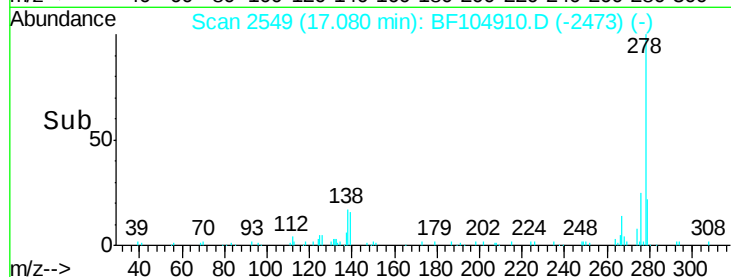
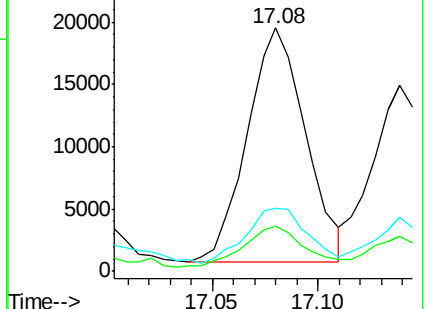
279 26.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 19.11 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

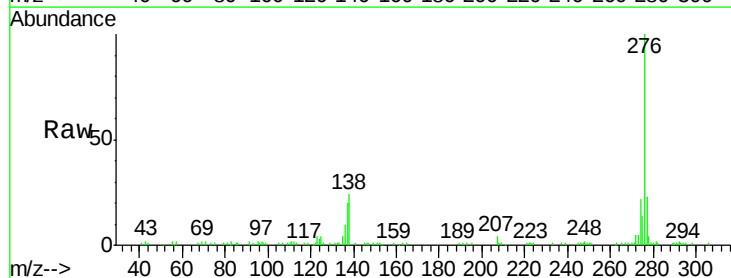
Tgt Ion:276 Resp: 132680

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 23.5 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

