

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104915.D
 Acq On : 28 Apr 2018 7:27
 Operator : JU/SJ
 Sample : J2565-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Apr 30 02:24:00 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	104138	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	399192	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	160289	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	255841	20.00	ng	0.00
75) Chrysene-d12	13.98	240	214229	20.00	ng	0.00
86) Perylene-d12	15.45	264	151784	20.00	ng	0.00

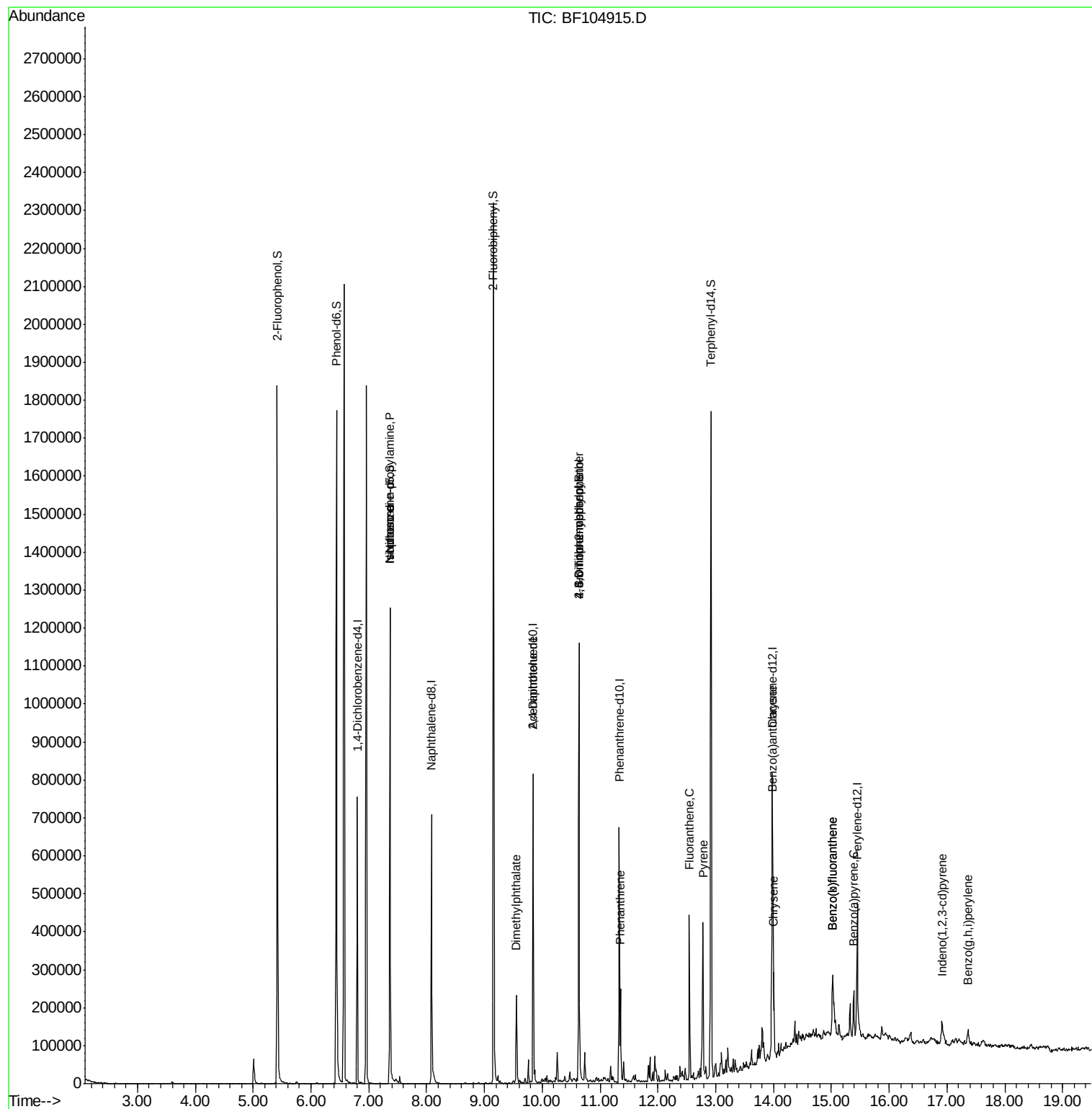
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	622076	91.34	ng	0.01
7) Phenol-d6	6.44	99	752827	89.96	ng	0.00
23) Nitrobenzene-d5	7.37	82	444356	72.69	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	149318	89.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	743854	73.31	ng	0.00
78) Terphenyl-d14	12.92	244	617631	65.73	ng	0.00

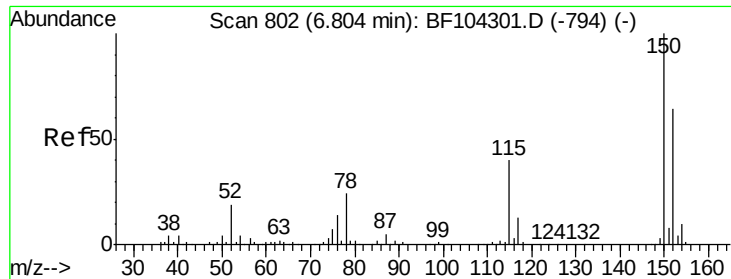
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	56720	10.373	ng	# 71
25) Isophorone	7.37	82	444354	34.373	ng	# 64
49) Dimethylphthalate	9.55	163	104179	8.242	ng	99
56) 2,4-Dinitrotoluene	9.84	165	20542	6.696	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	117	7.427	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8934	3.283	ng	# 1
70) Phenanthrene	11.36	178	89043	6.250	ng	97
74) Fluoranthene	12.54	202	179943	12.088	ng	98
76) Benzidine	12.92	184	8133	Below Cal		# 95
77) Pyrene	12.78	202	170094	10.712	ng	99
80) Benzo(a)anthracene	13.97	228	96261	7.521	ng	98
82) Chrysene	14.00	228	81078	6.168	ng	95
85) Indeno(1,2,3-cd)pyrene	16.92	276	31333	2.806	ng	93
87) Benzo(b)fluoranthene	15.02	252	111720	11.654	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	111720	12.344	ng	95
89) Benzo(a)pyrene	15.39	252	58214	6.787	ng	97
91) Benzo(a,h,i)perylene	17.36	276	32626	4.780	ng	93

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

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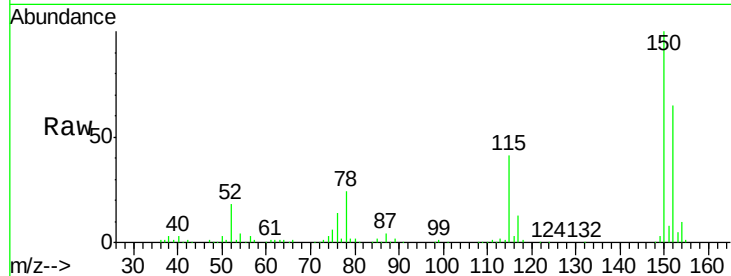




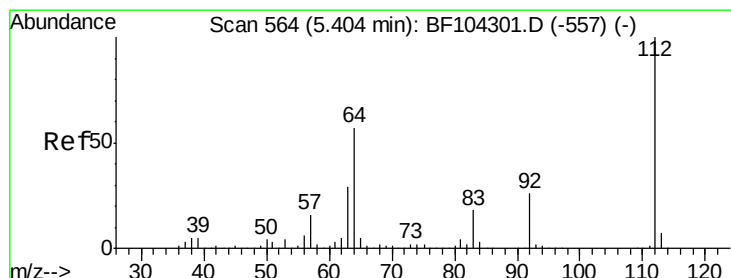
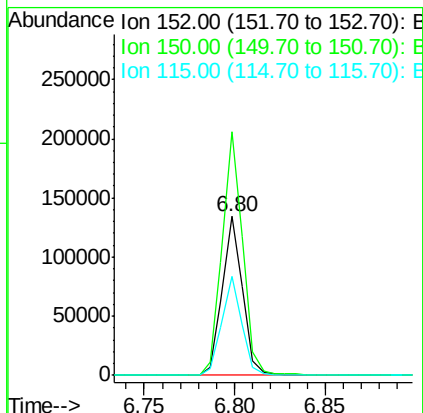
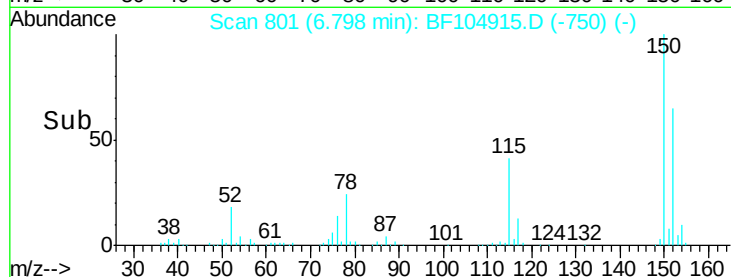
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	62.5	50.1	75.1



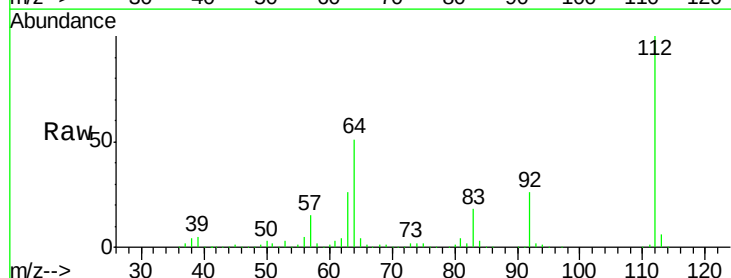
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



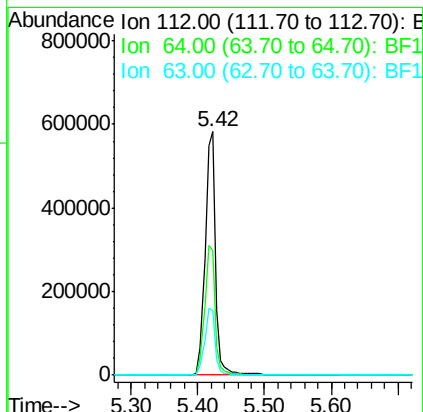
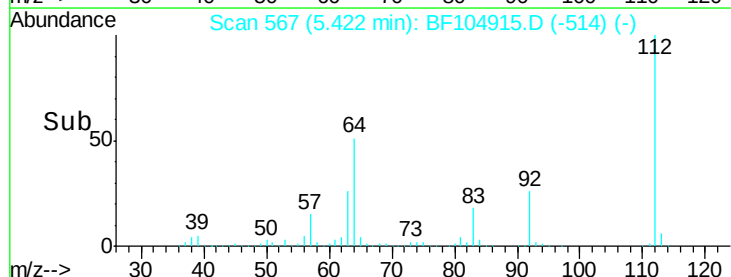
#5

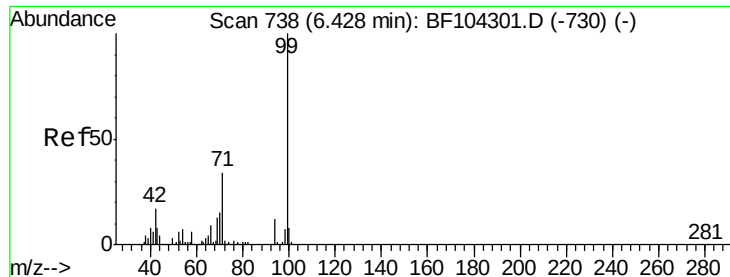
2-Fluorophenol
Concen: 91.339 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	26.2	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: 89.965 ng

RT: 6.44 min Scan# 740

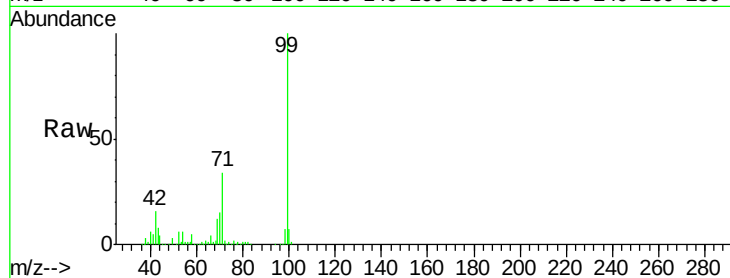
Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

Tot Ion: 99 Resp: 752827

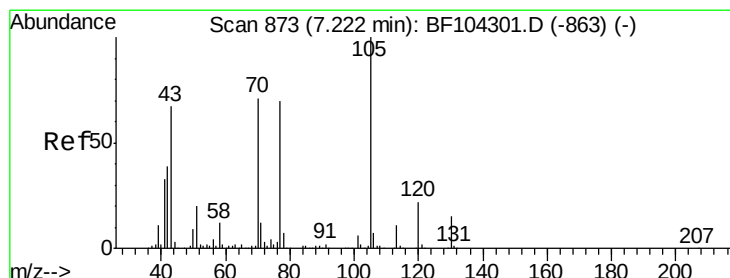
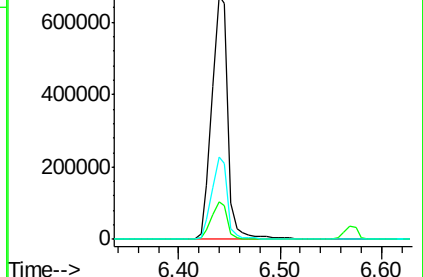
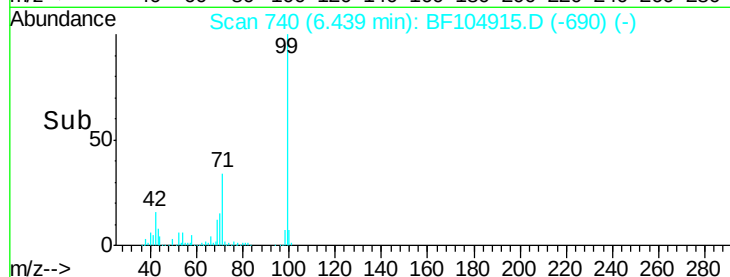
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	34.0	25.4	38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.373 ng

RT: 7.37 min Scan# 898

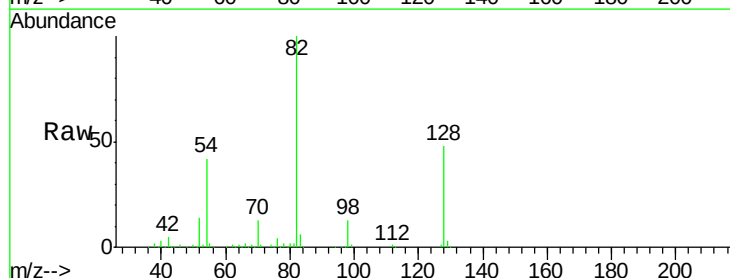
Delta R.T. 0.15 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

Tgt Ion: 70 Resp: 56720

Ion	Ratio	Lower	Upper
70	100		
42	39.5	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

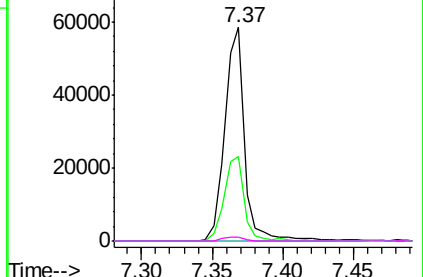
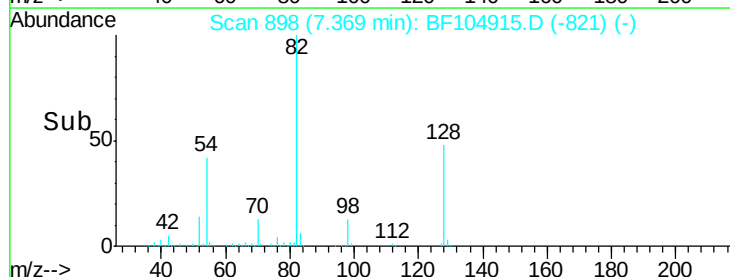


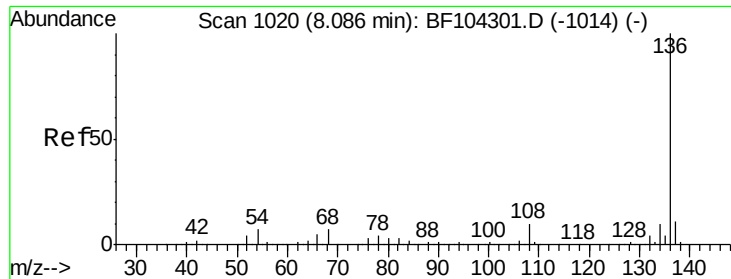
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

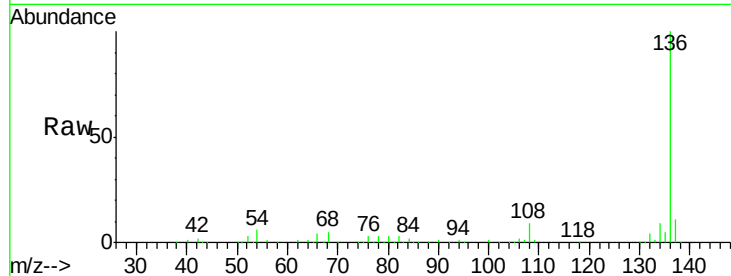
Ion 130.00 (129.70 to 130.70): BF1



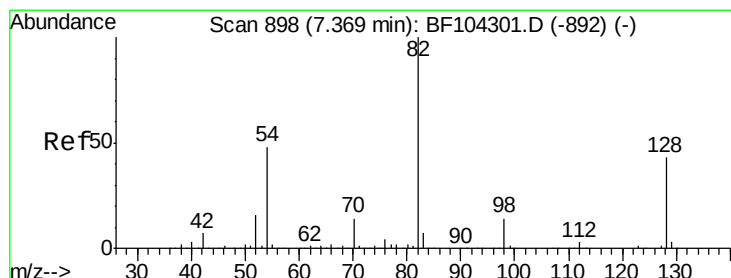
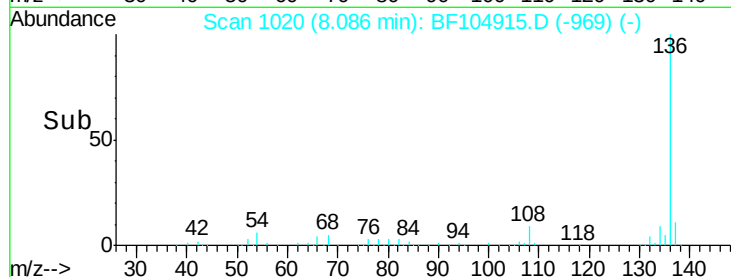
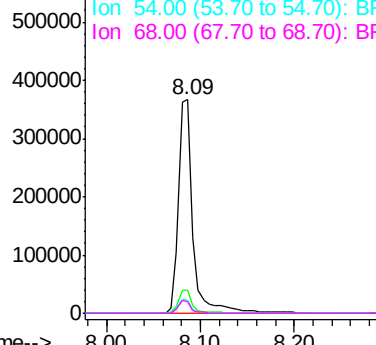


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tot Ion:136	Resp:	399192
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 6.1	6.6	9.8#
68 5.3	5.0	7.4

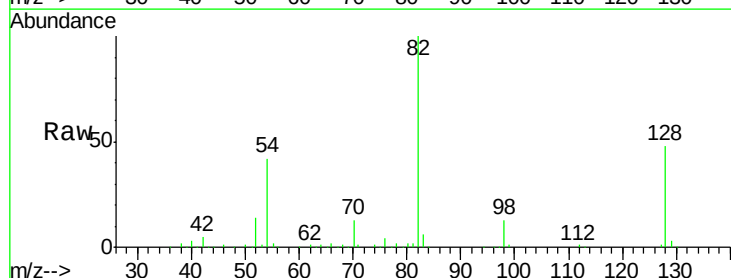


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

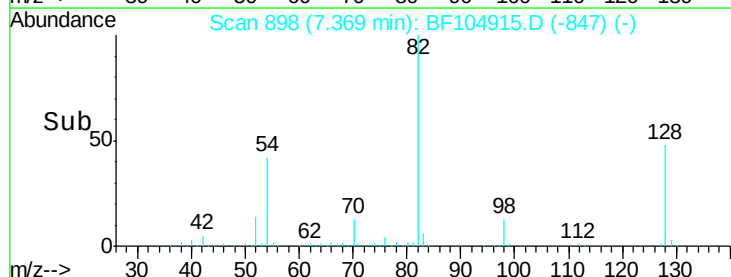
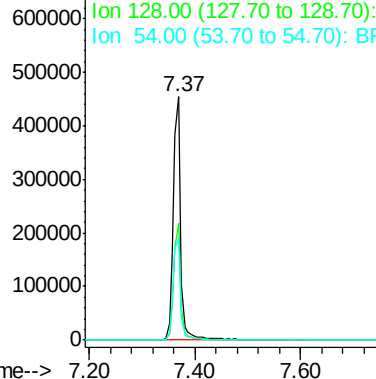


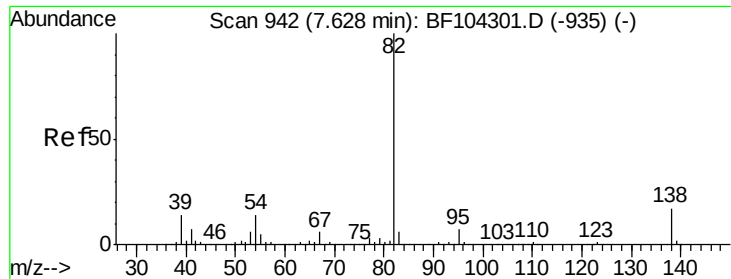
#23
Nitrobenzene-d5
Concen: 72.686 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion: 82	Resp:	444356
Ion Ratio	Lower	Upper
82 100		
128 47.8	36.1	54.1
54 41.5	41.4	62.2



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





#25

Isophorone

Concen: 34.373 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

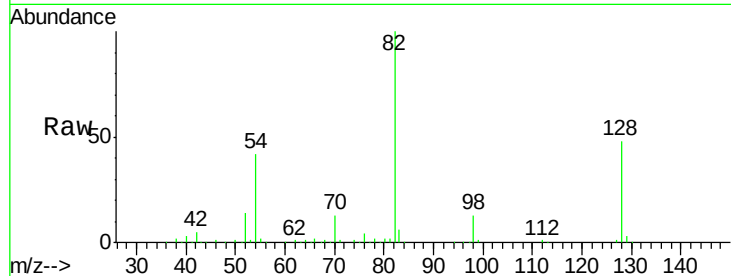
Tot Ion: 82 Resp: 444354

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

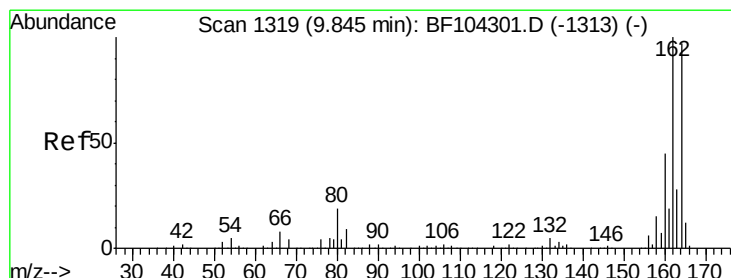
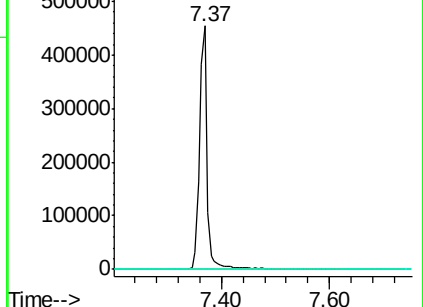
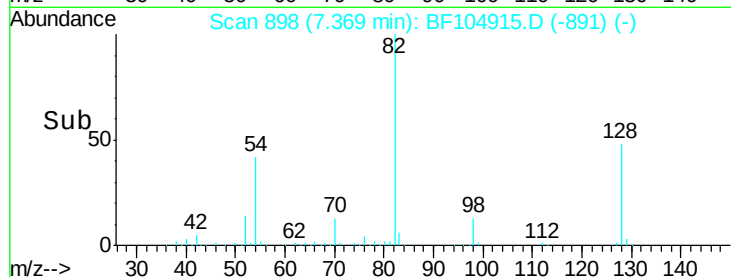
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

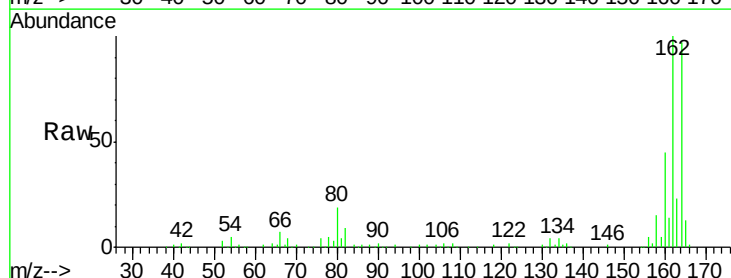
Tgt Ion:164 Resp: 160289

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

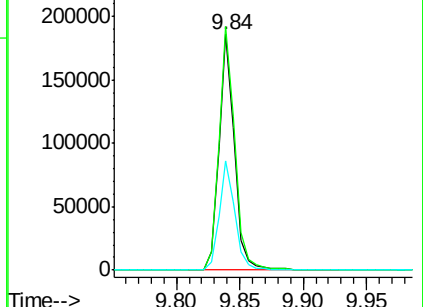
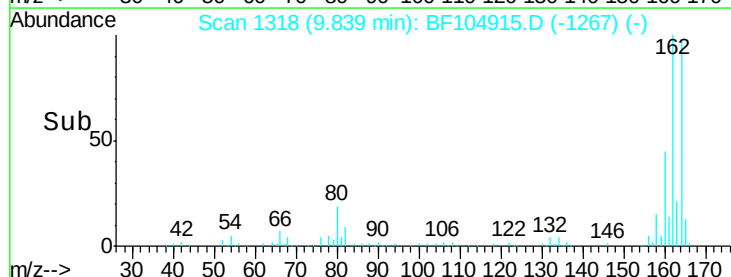
160 46.6 38.3 57.5

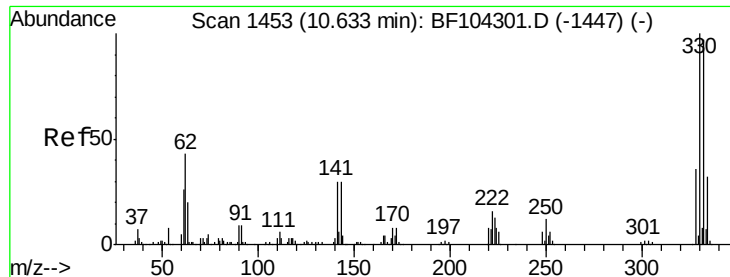


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

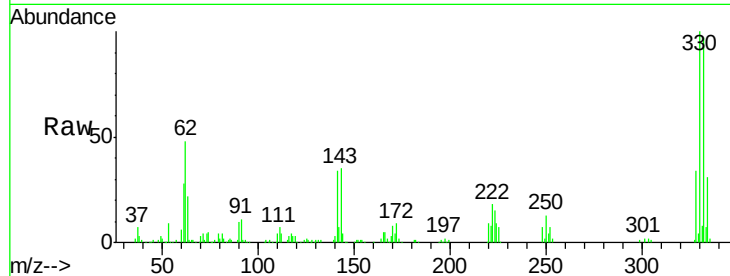
Ion 160.00 (159.70 to 160.70): E



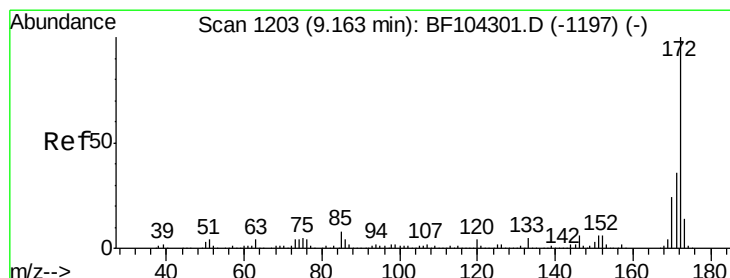
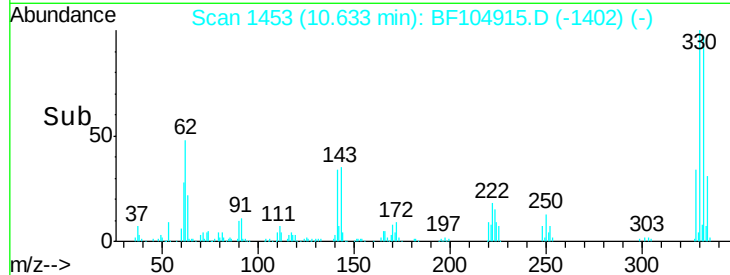
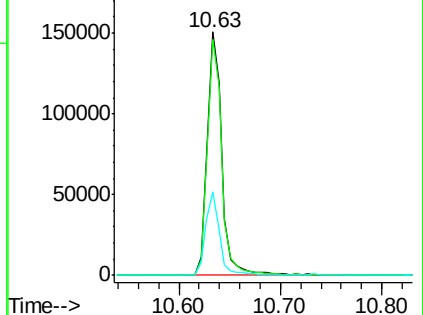


#41
 2,4,6-Tribromophenol
 Concen: 89.803 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.9	29.9	44.9

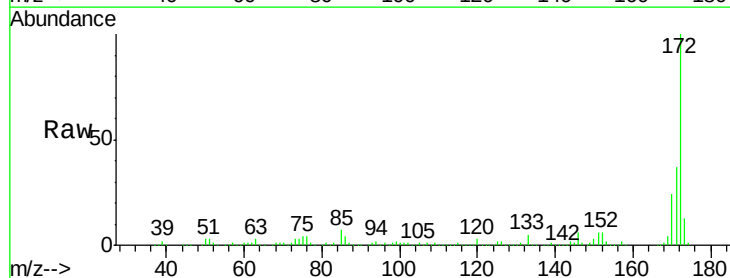


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

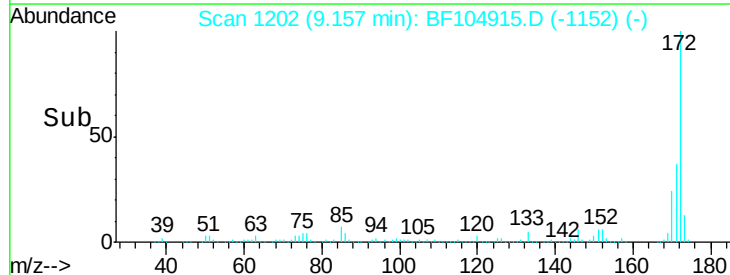
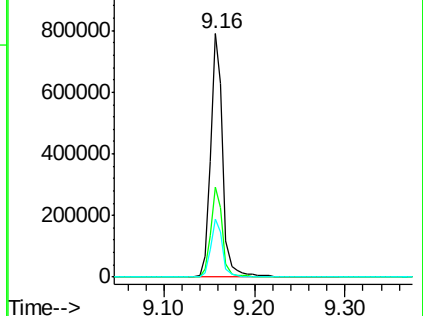


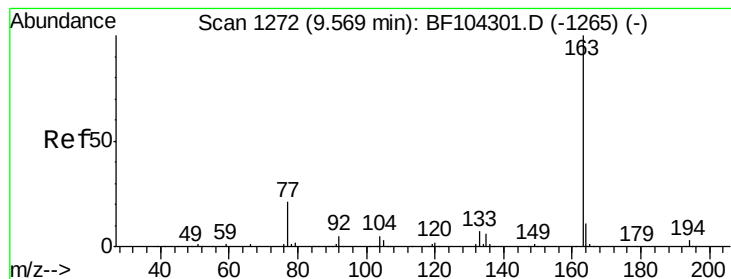
#44
 2-Fluorobiphenyl
 Concen: 73.312 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	23.7	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





#49

Dimethylphthalate

Concen: 8.242 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

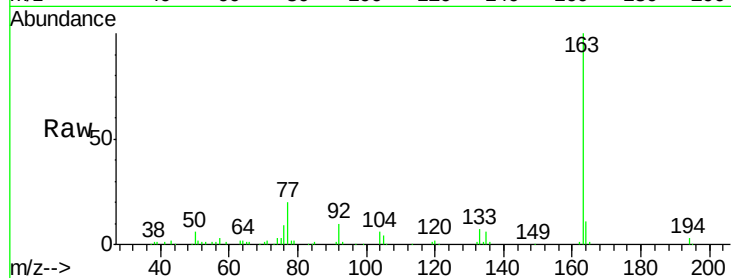
Tot Ion:163 Resp: 104179

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

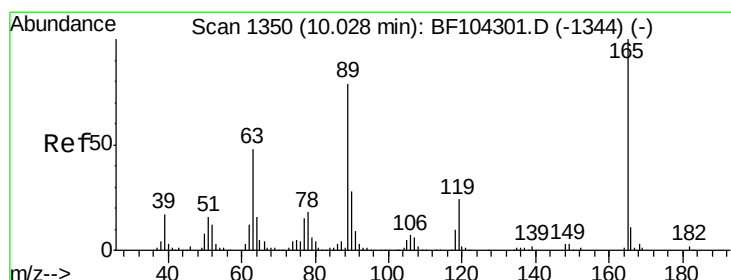
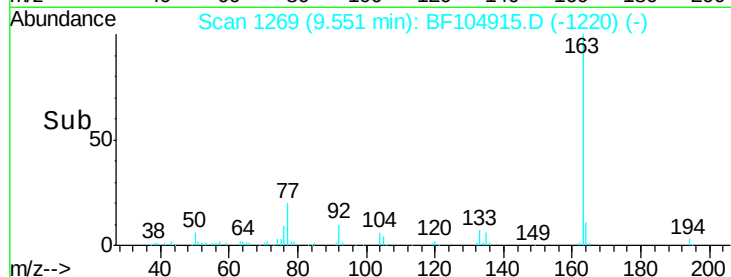
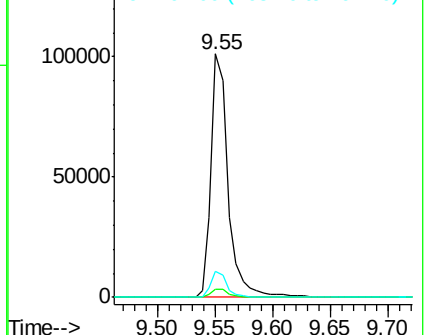
164 10.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.696 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

Tgt Ion:165 Resp: 20542

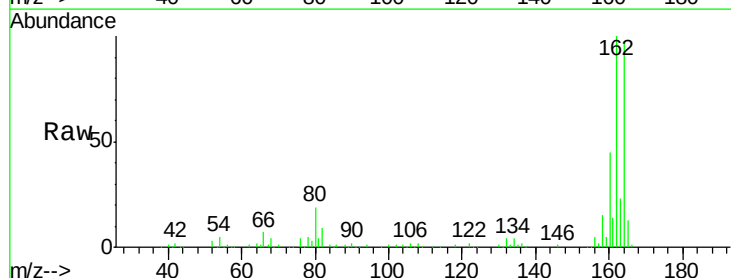
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

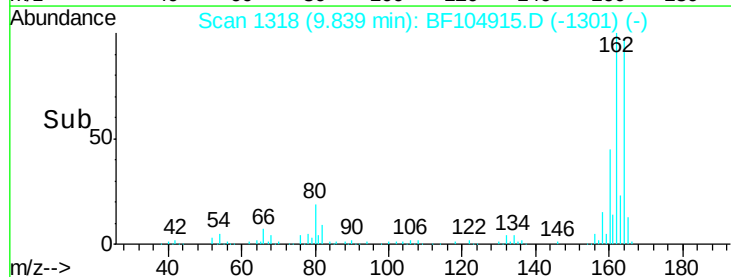
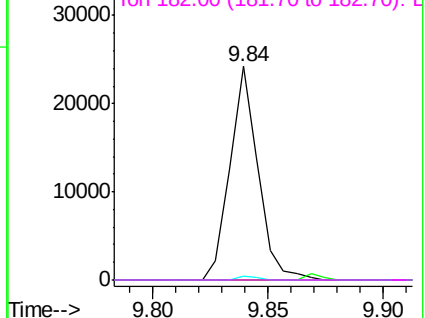


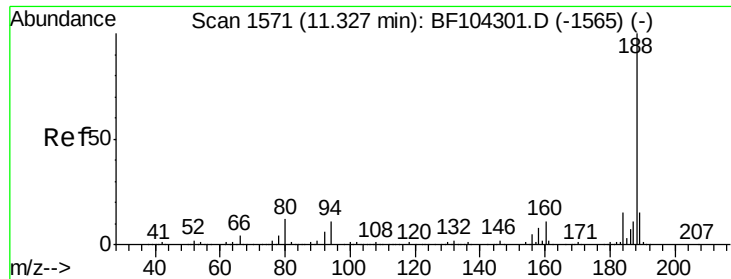
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

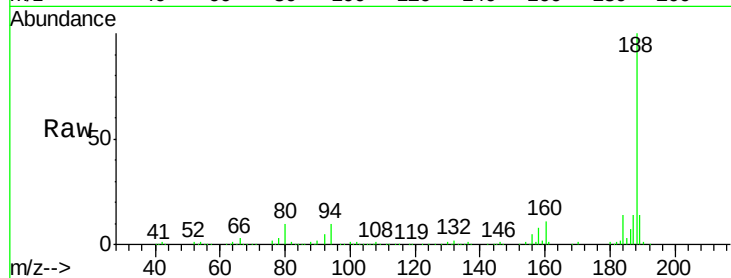
Ion 182.00 (181.70 to 182.70): E





#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

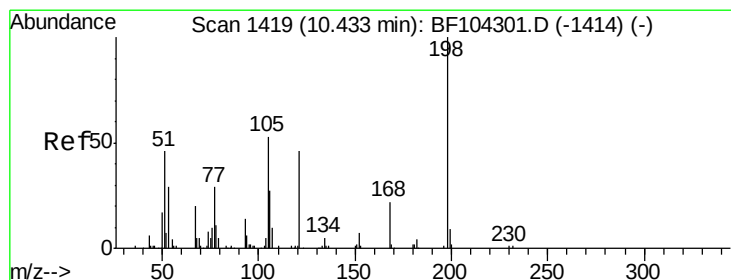
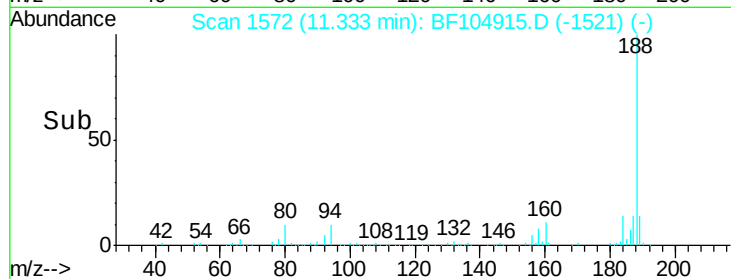
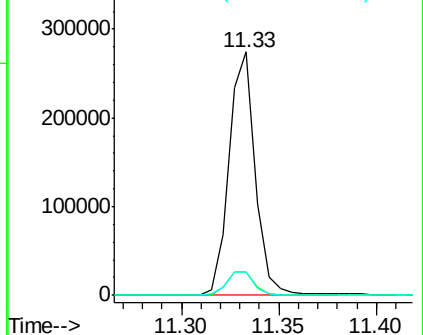
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.7	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

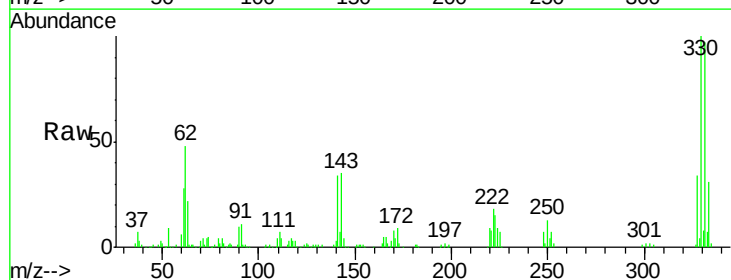
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.427 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

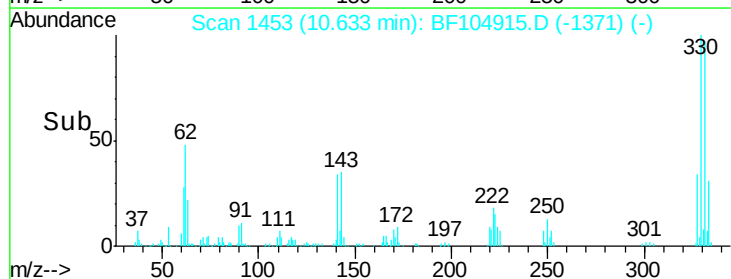
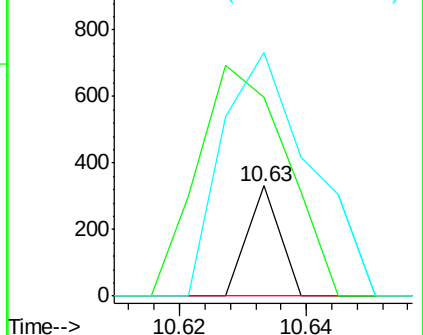
Tgt Ion	Ratio	Lower	Upper
198	100		
51	179.8	37.7	77.7#
105	220.5	36.3	76.3#

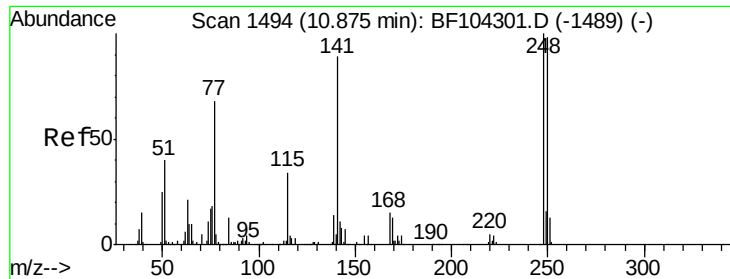


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

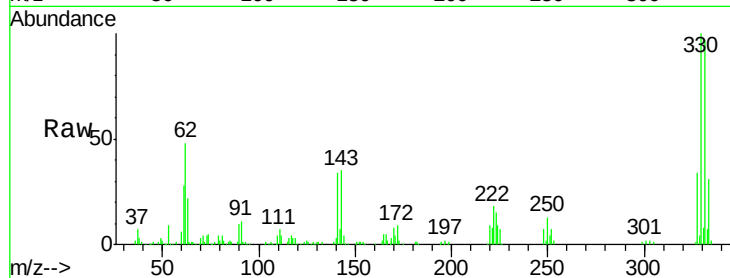
Ion 105.00 (104.70 to 105.70): E



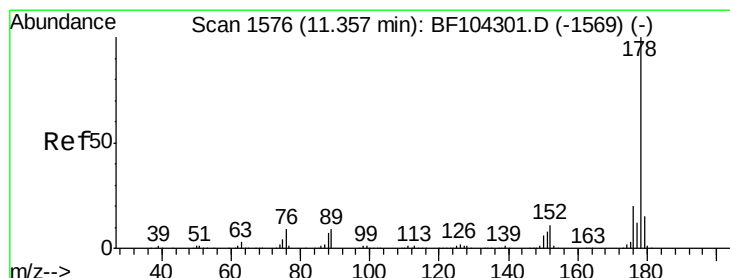
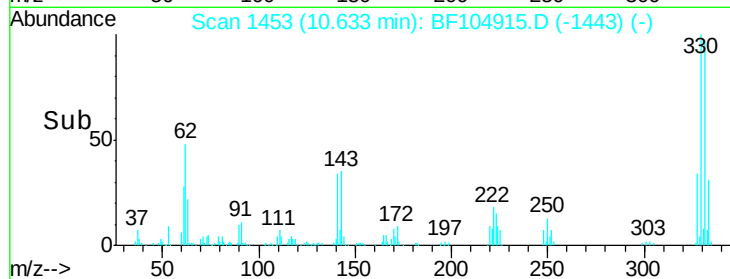
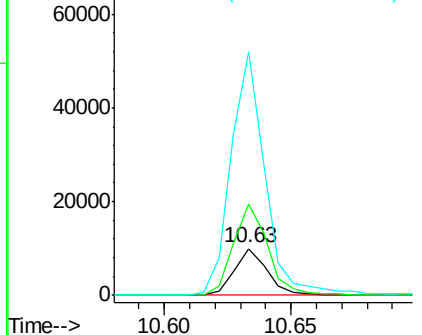


#66
 4-Bromophenyl-phenylether
 Concen: 3.283 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion:	248	Resp:	8934
Ion	Ratio	Lower	Upper
248	100		
250	196.2	76.9	115.3#
141	522.2	74.4	111.6#

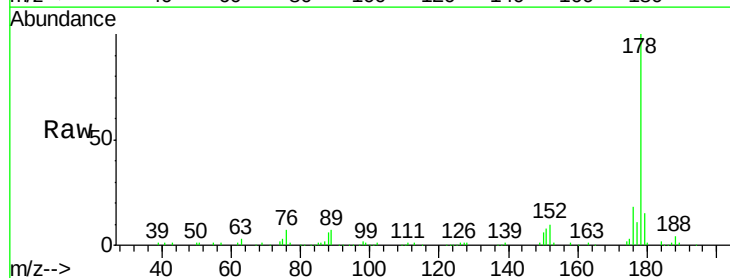


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

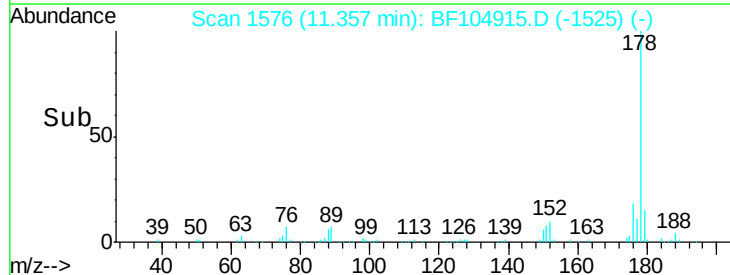
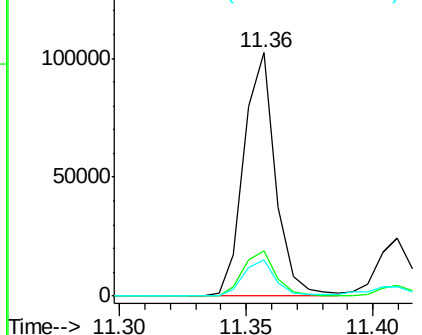


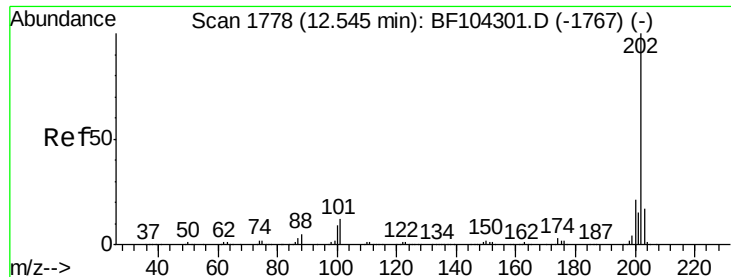
#70
 Phenanthrene
 Concen: 6.250 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tgt Ion:	178	Resp:	89043
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.6	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





#74

Fluoranthene

Concen: 12.088 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

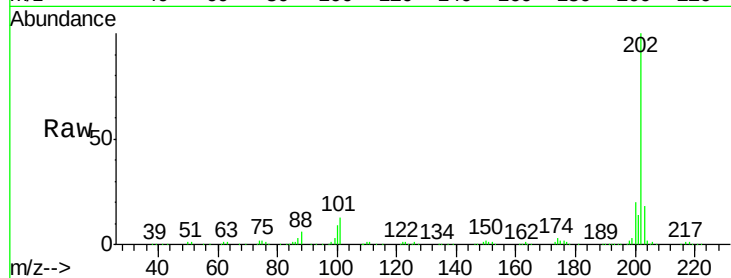
Tot Ion:202 Resp: 179943

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

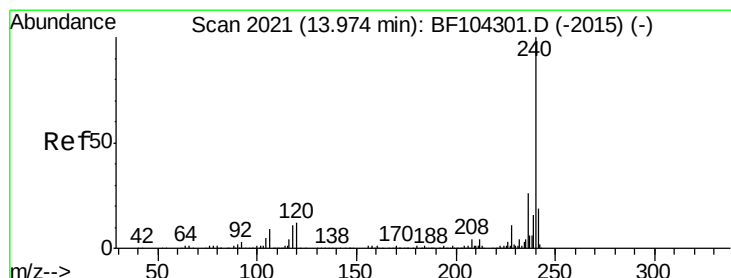
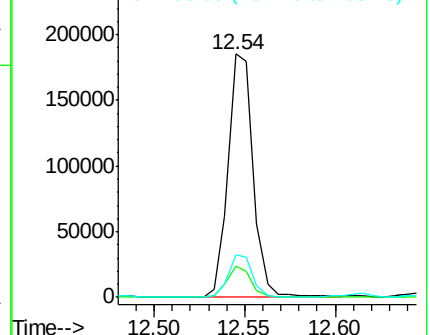
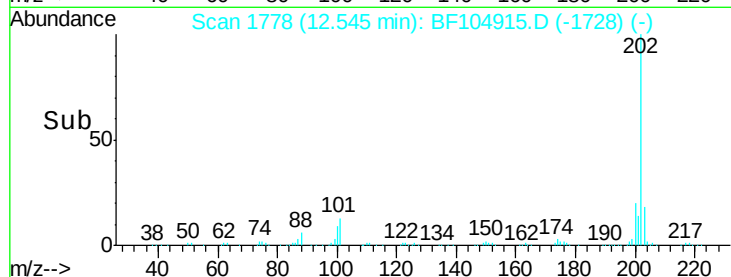
203 17.7 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

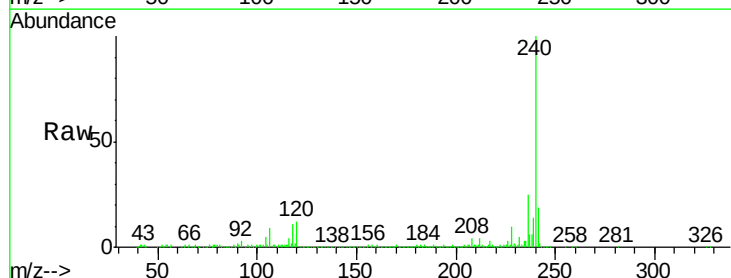
Tgt Ion:240 Resp: 214229

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

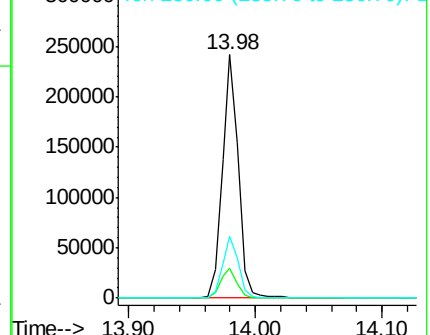
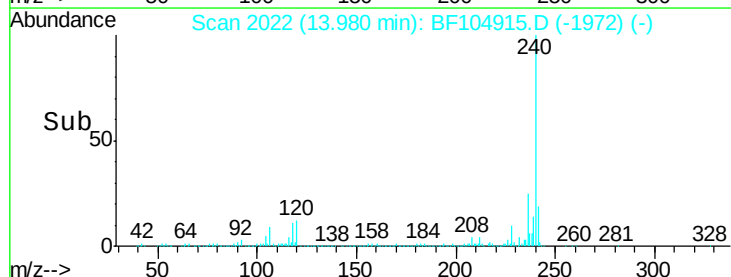
236 25.3 20.7 31.1

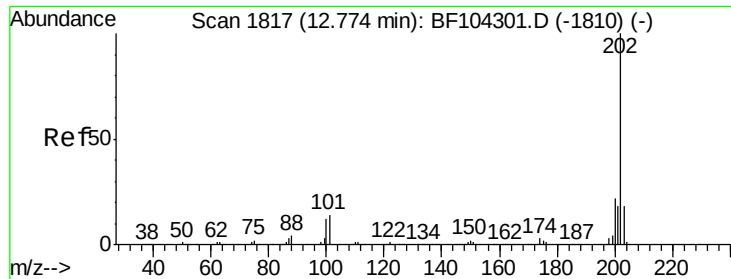


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

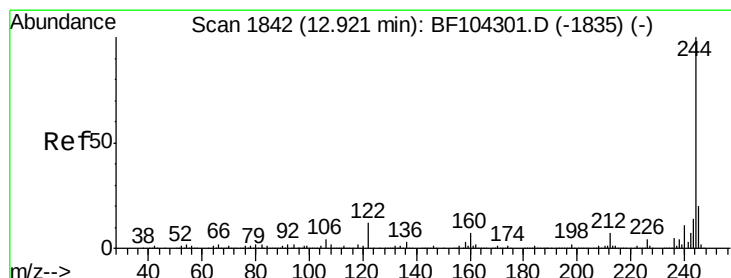
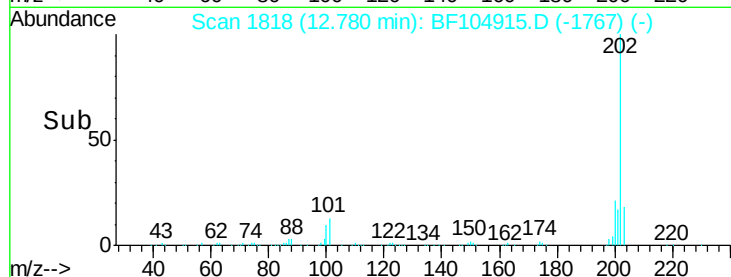
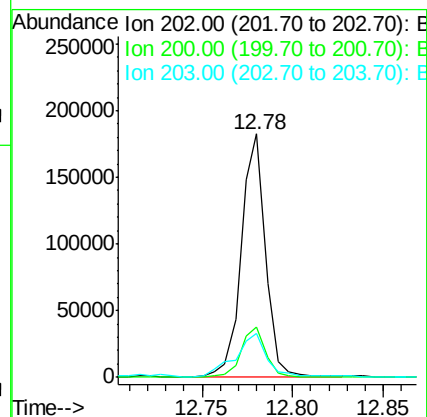
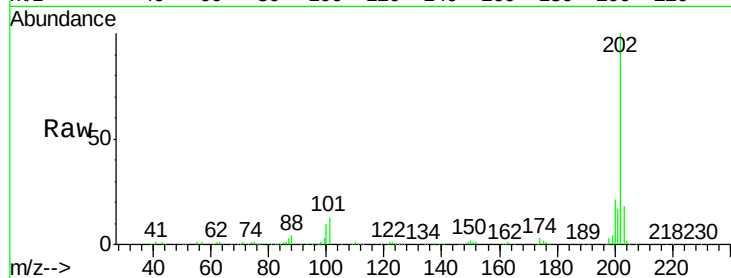
Ion 236.00 (235.70 to 236.70): E





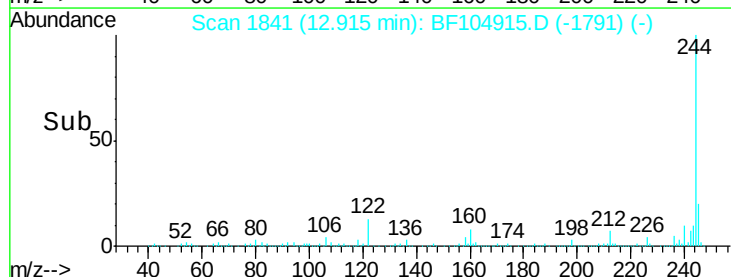
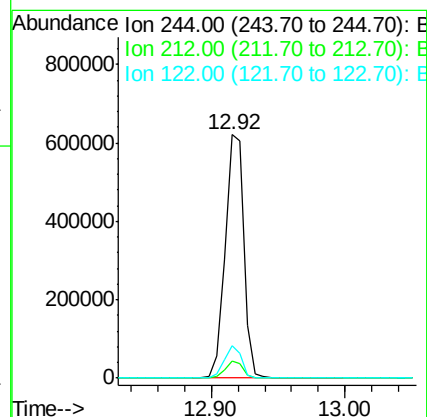
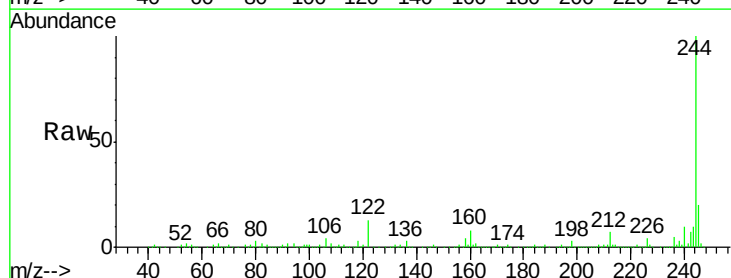
#77
Pvrene
Concen: 10.712 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

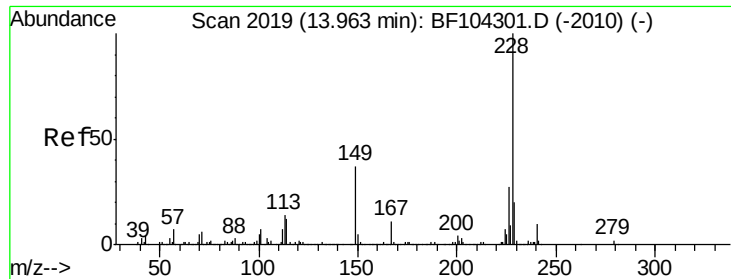
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.1	14.3	21.5



#78
Terphenyl-d14
Concen: 65.728 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

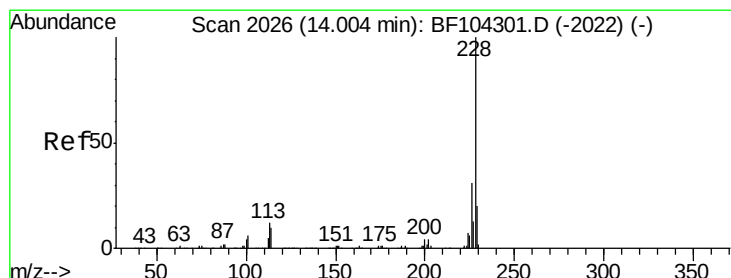
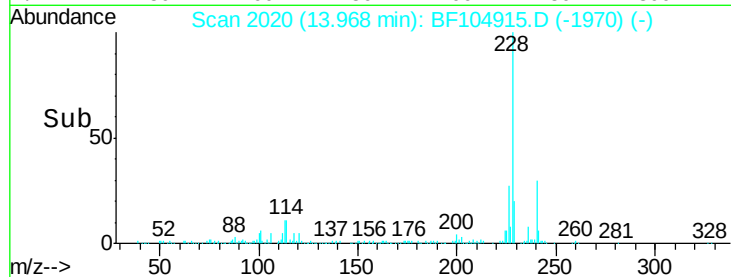
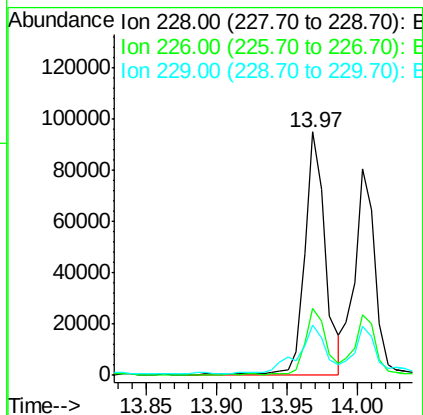
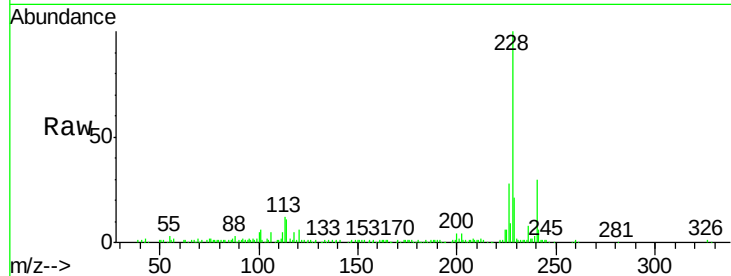
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.4	11.0	16.4





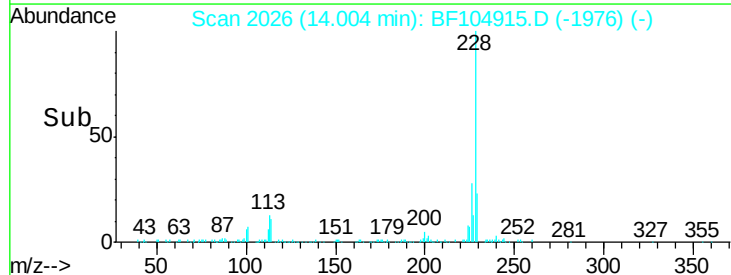
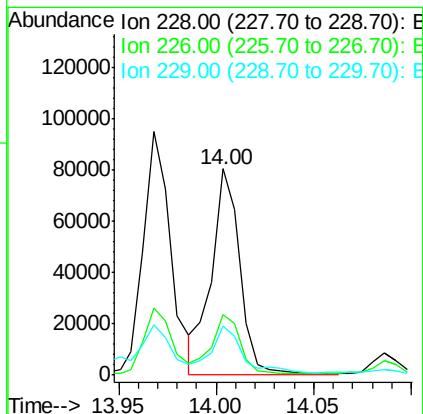
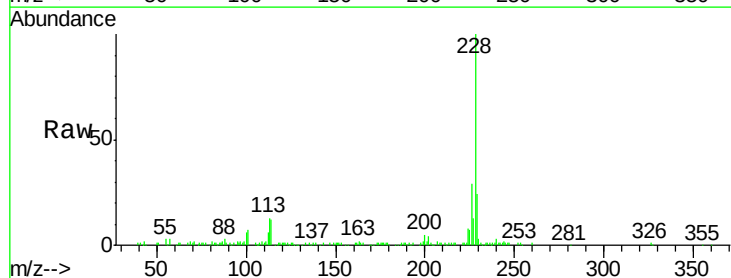
#80
Benzo(a)anthracene
Concen: 7.521 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

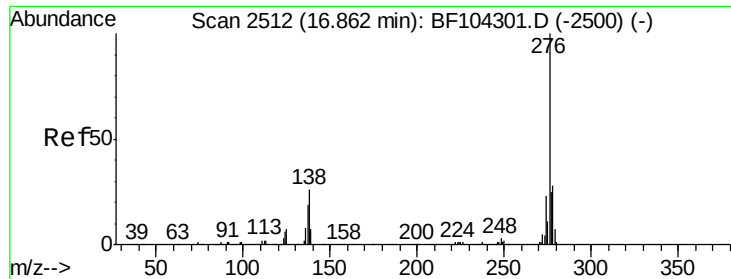
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.6	15.8	23.6



#82
Chrysene
Concen: 6.168 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

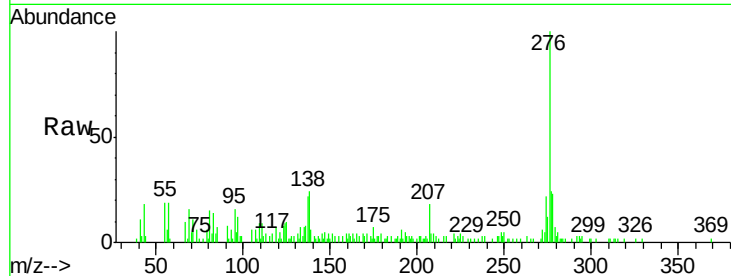
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	23.6	16.2	24.4



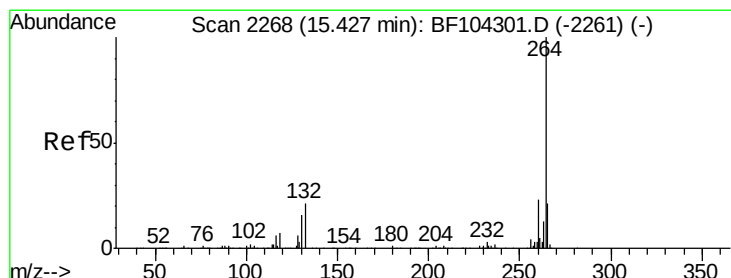
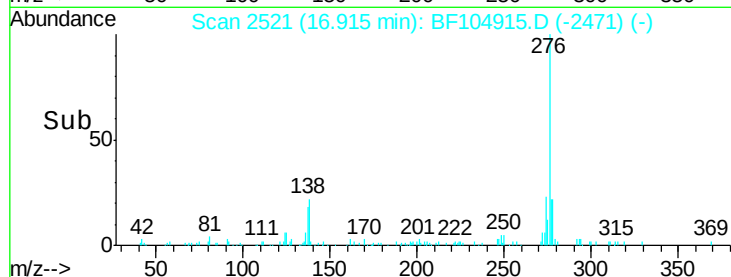
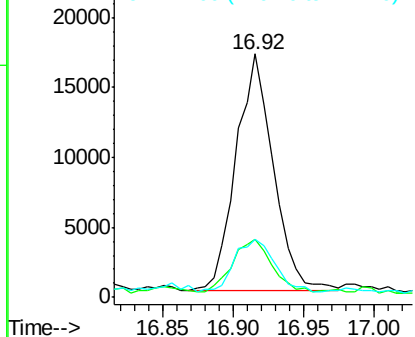


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.806 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	23.6	20.1	30.1

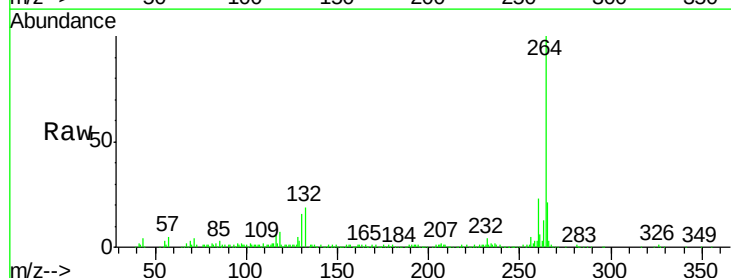


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

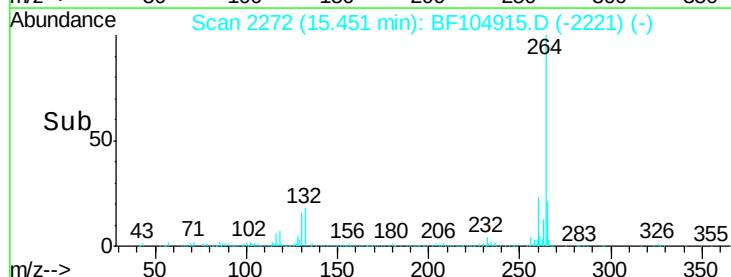
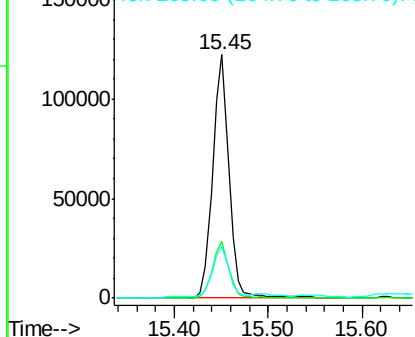


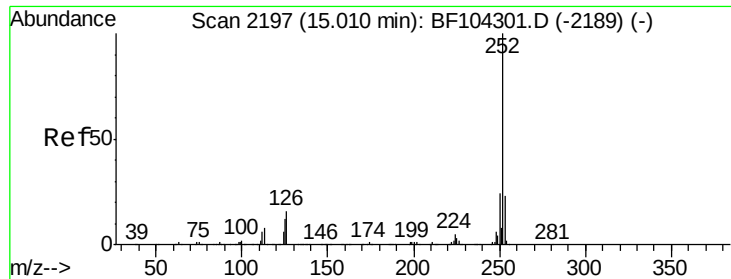
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.1	17.5	26.3



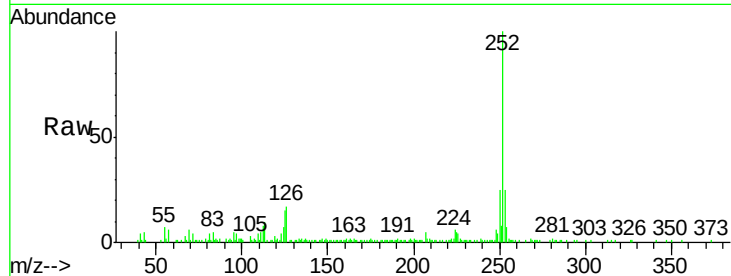
Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



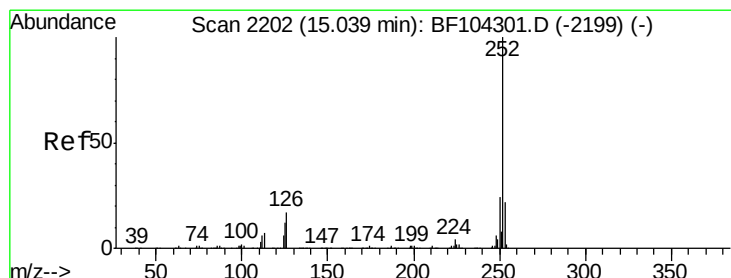
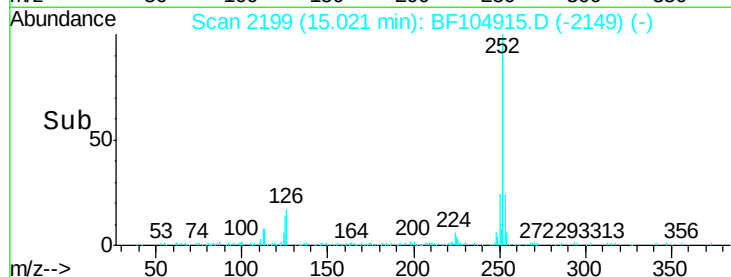
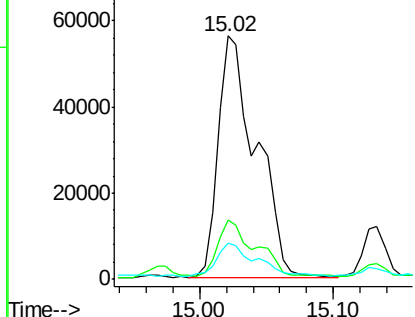


#87
Benzo(b)fluoranthene
Concen: 11.654 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	14.9	9.0	13.6

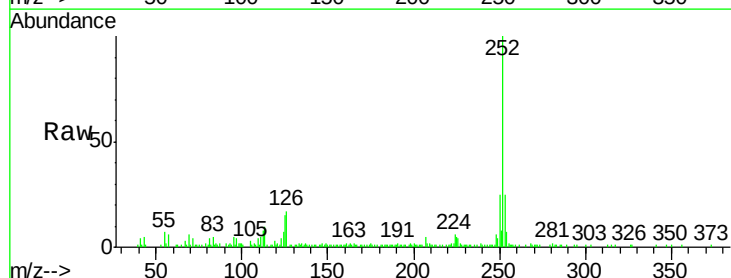


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

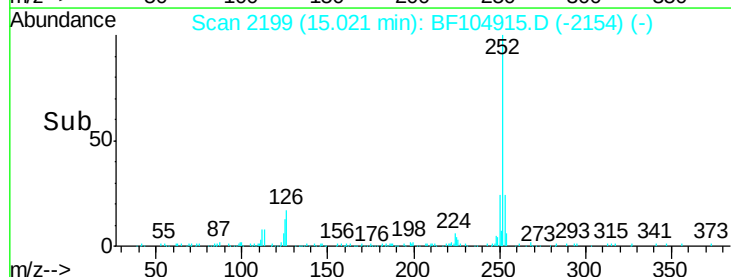
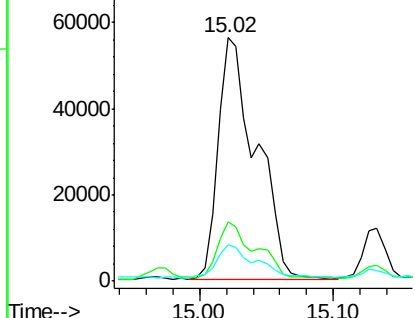


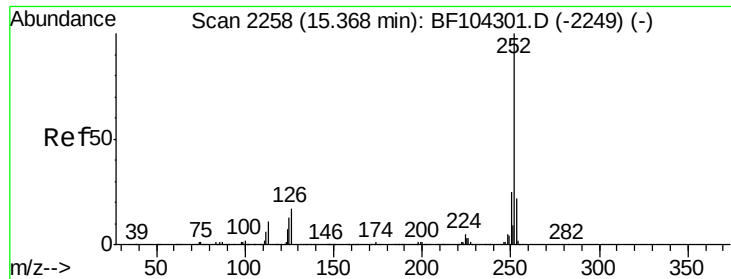
#88
Benzo(k)fluoranthene
Concen: 12.344 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	14.9	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: 6.787 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

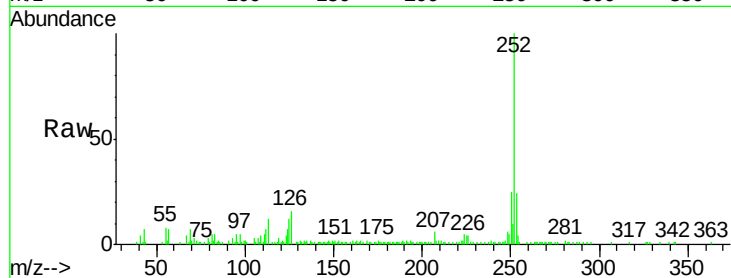
Tot Ion:252 Resp: 58214

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

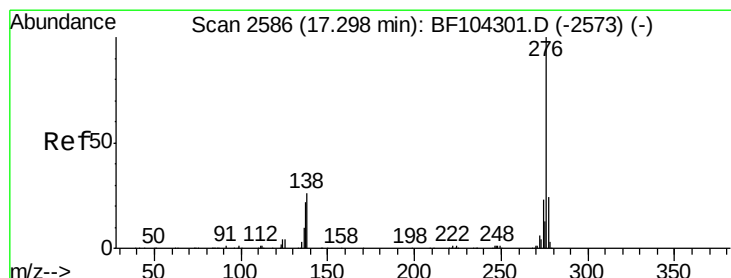
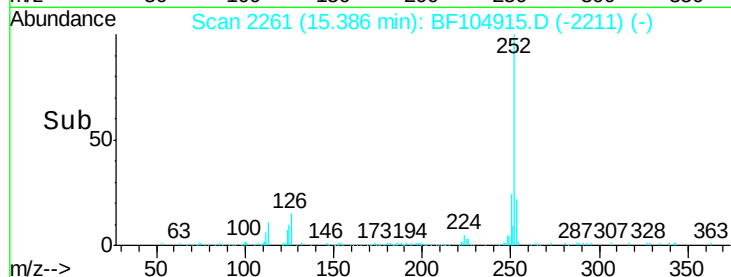
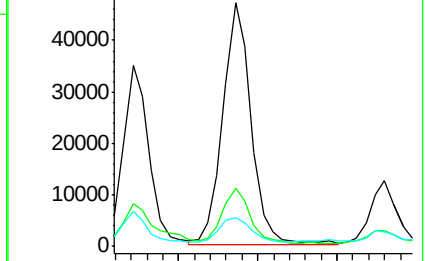
125 12.0 9.8 14.6



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: 4.780 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

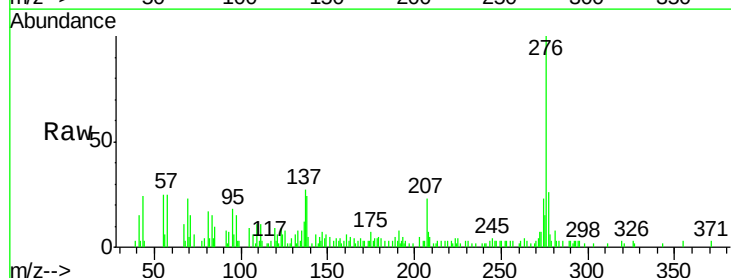
Tgt Ion:276 Resp: 32626

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 24.4 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

