

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096890.D
 Acq On : 20 Jul 2017 00:40
 Operator : SJ/JU
 Sample : I4258-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

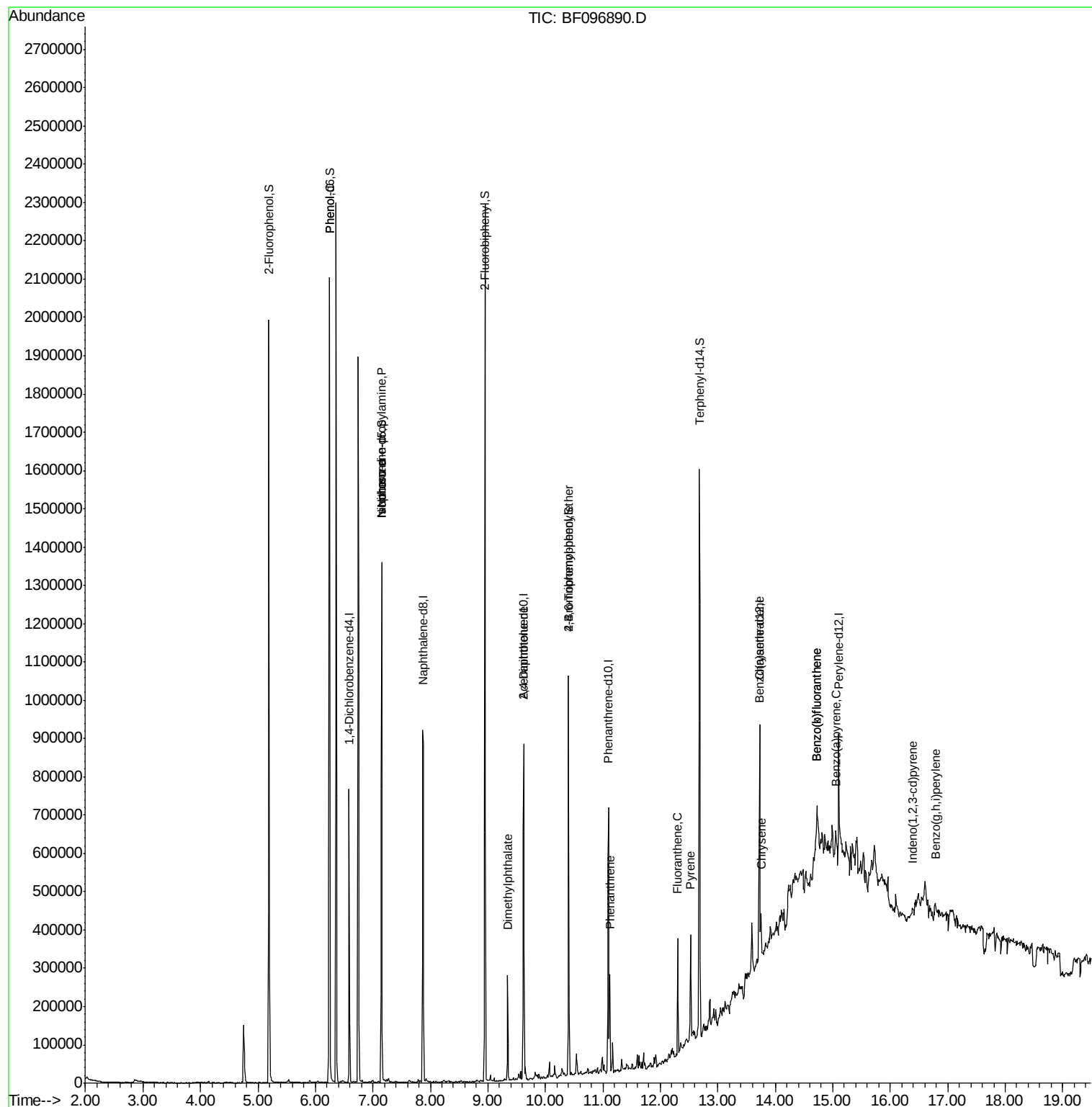
Quant Time: Jul 20 03:33:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

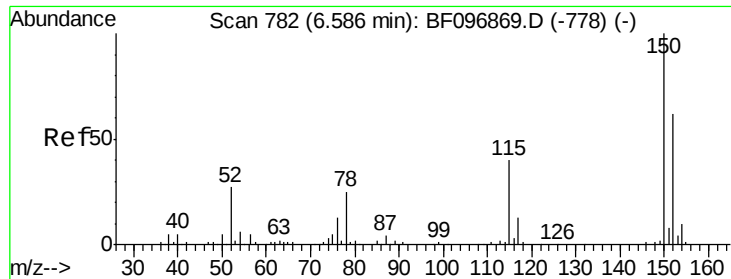
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	111267	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	424830	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	159081	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	237116	20.00	ng	0.00
75) Chrysene-d12	13.73	240	197785	20.00	ng	0.00
86) Perylene-d12	15.10	264	131160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	570674	77.12	ng	0.00
7) Phenol-d6	6.25	99	765512	86.20	ng	0.00
23) Nitrobenzene-d5	7.15	82	418388	61.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	108774	80.11	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	671851	66.73	ng	-0.01
78) Terphenyl-d14	12.68	244	444142	38.94	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.25	94	31696	3.16	ng	96
19) n-Nitroso-di-n-propylamine	7.15	70	56082	10.48	ng	# 89
25) Isophorone	7.15	82	413425	32.40	ng	# 67
49) Dimethylphthalate	9.35	163	101169	8.45	ng	100
56) 2,4-Dinitrotoluene	9.62	165	20774	6.23	ng	# 33
66) 4-Bromophenyl-phenylether	10.40	248	6877	2.84	ng	# 1
70) Phenanthrene	11.12	178	90502	7.02	ng	99
74) Fluoranthene	12.30	202	111838	9.06	ng	97
77) Pyrene	12.53	202	102646	5.72	ng	99
80) Benzo(a)anthracene	13.72	228	47102	3.82	ng	96
82) Chrysene	13.75	228	43917	3.62	ng	95
85) Indeno(1,2,3-cd)pyrene	16.39	276	14907	4.61	ng	95
87) Benzo(b)fluoranthene	14.73	252	60758	7.68	ng	# 72
88) Benzo(k)fluoranthene	14.73	252	60758	8.11	ng	# 77
89) Benzo(a)pyrene	15.04	252	28649	3.95	ng	# 78
91) Benzo(g,h,i)perylene	16.78	276	14483	2.03	ng	# 87

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

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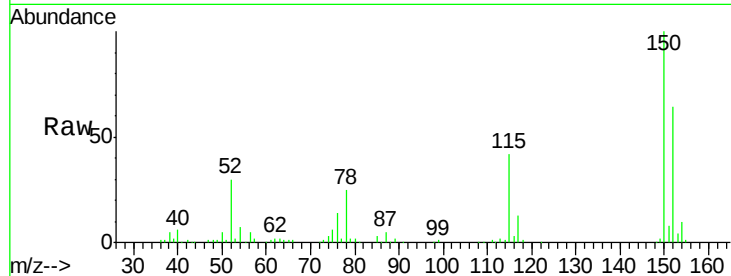
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	65.8	52.2	78.2

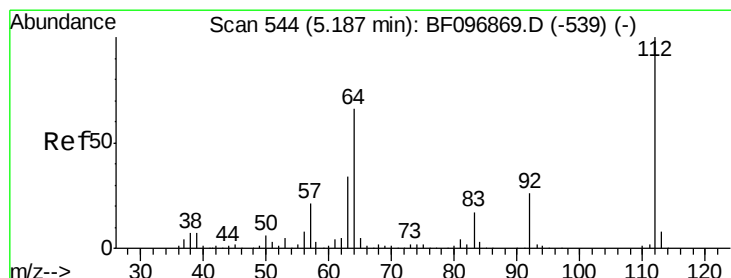
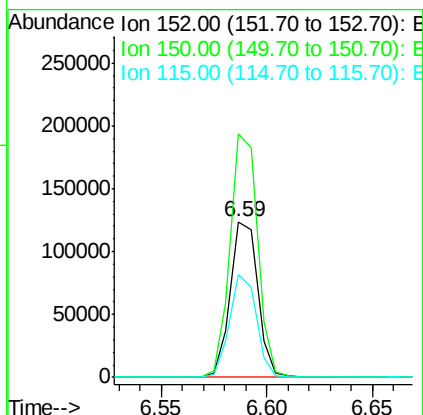
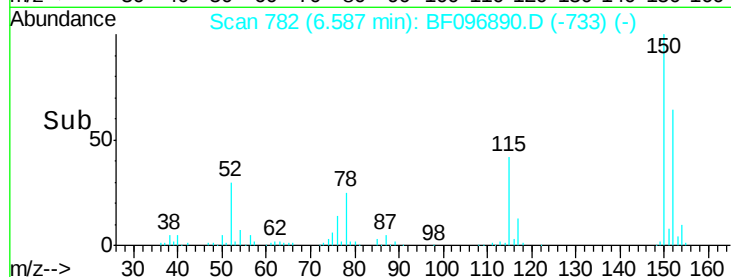


Abundance

Ion 152.00 (151.70 to 152.70): E

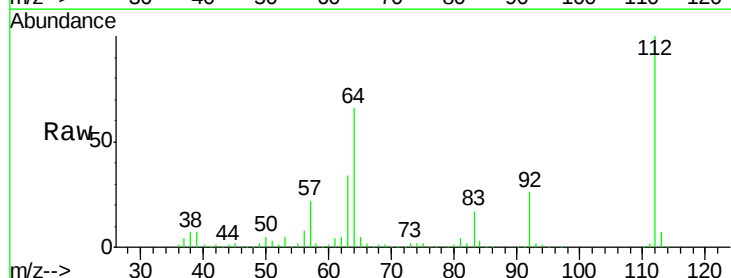
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 77.12 ng
 RT: 5.19 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	33.6	23.4	35.0

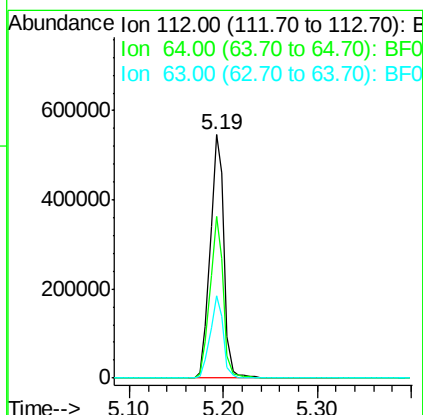
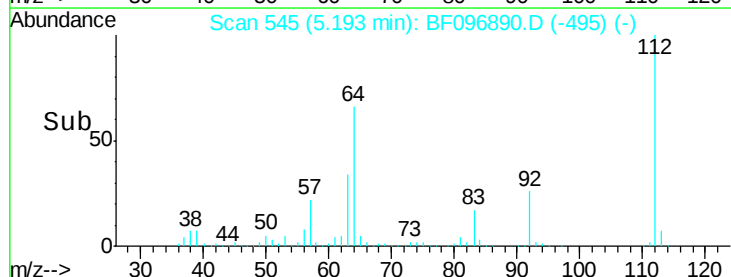


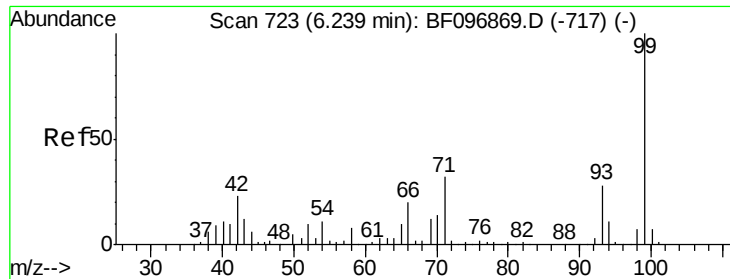
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.20 ng

RT: 6.25 min Scan# 724

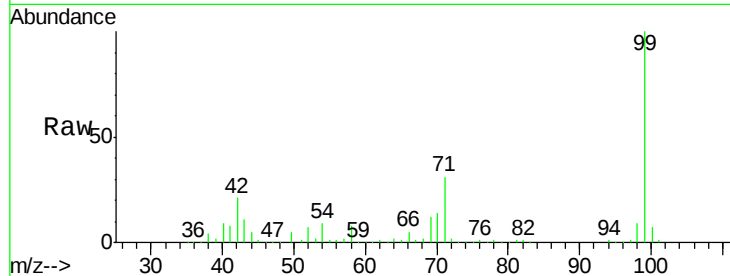
Delta R.T. -0.01 min

Lab File: BF096890.D

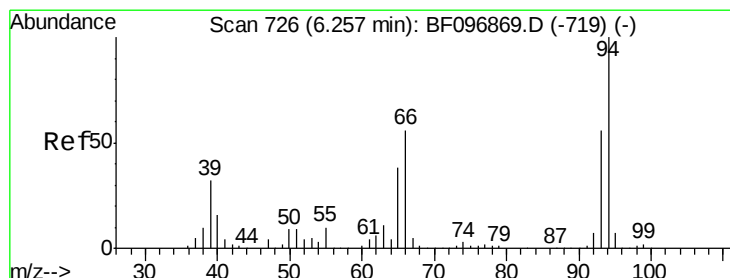
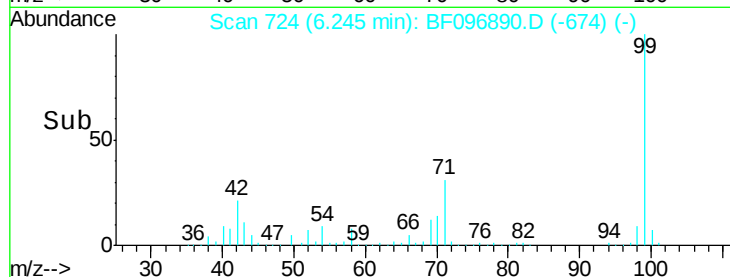
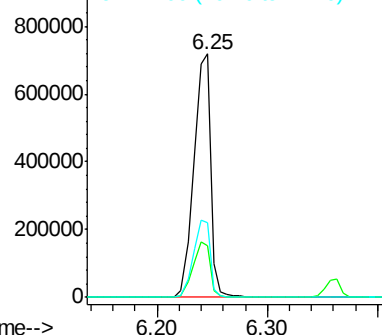
Acq: 20 Jul 2017 00:40

Tot Ion: 99 Resp: 765512

Ion	Ratio	Lower	Upper
99	100		
42	21.2	13.5	20.3#
71	30.7	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.16 ng

RT: 6.25 min Scan# 725

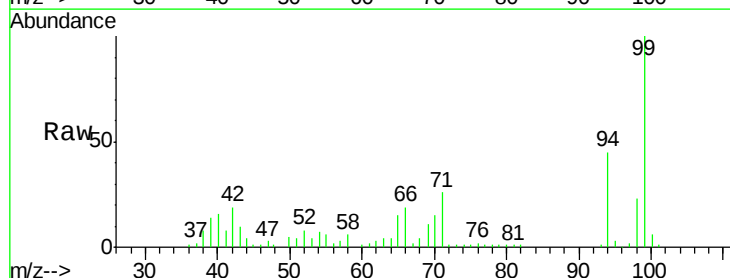
Delta R.T. -0.02 min

Lab File: BF096890.D

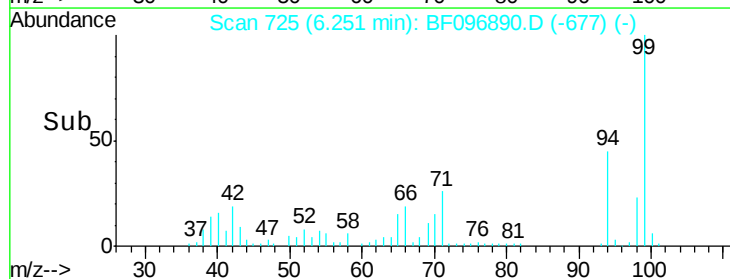
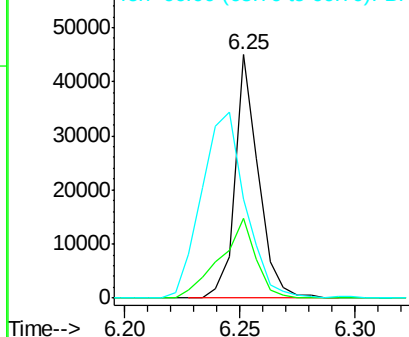
Acq: 20 Jul 2017 00:40

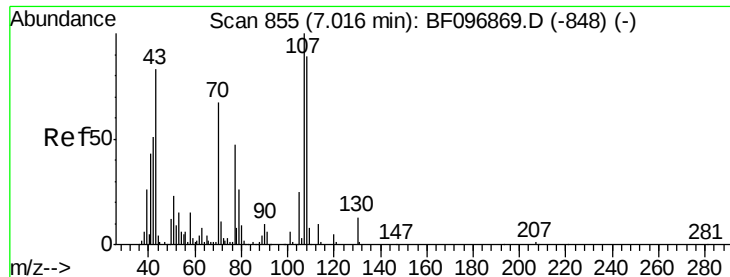
Tgt Ion: 94 Resp: 31696

Ion	Ratio	Lower	Upper
94	100		
65	33.0	9.9	49.9
66	40.8	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 10.48 ng

RT: 7.15 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

Tot Ion: 70 Resp: 56082

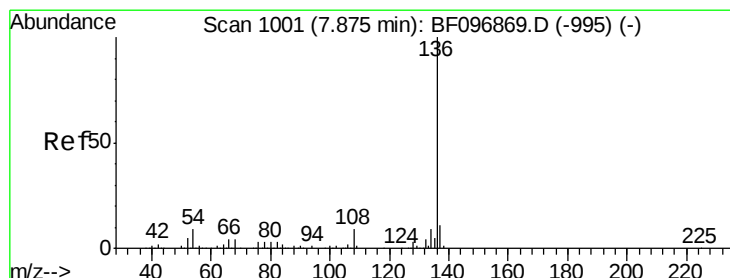
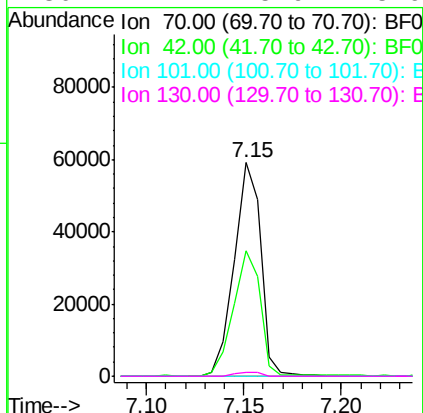
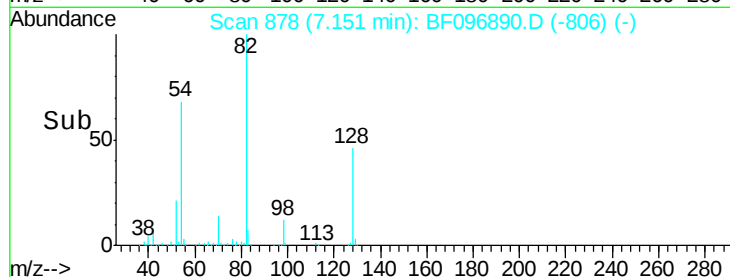
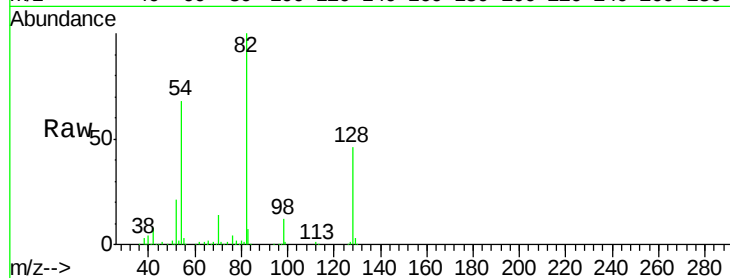
Ion	Ratio	Lower	Upper
70	100		
42	58.9	47.2	70.8
101	0.0	7.2	10.8
130	2.1	15.9	23.9

70 100

42 58.9 47.2 70.8

101 0.0 7.2 10.8

130 2.1 15.9 23.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

Tgt Ion: 136 Resp: 424830

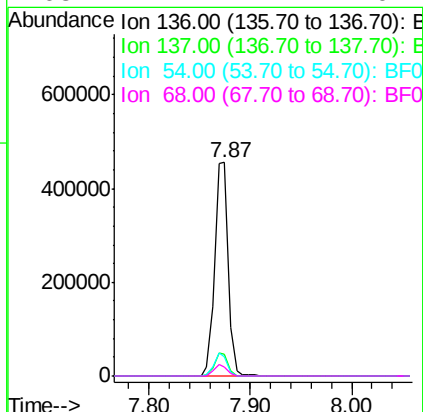
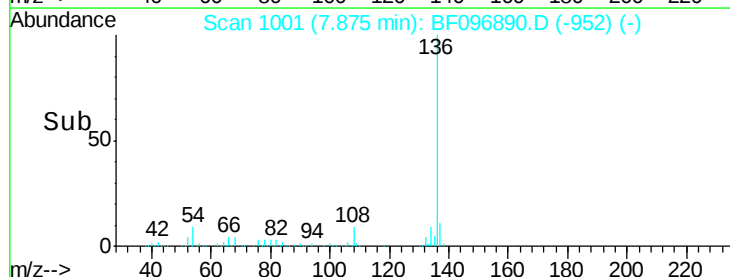
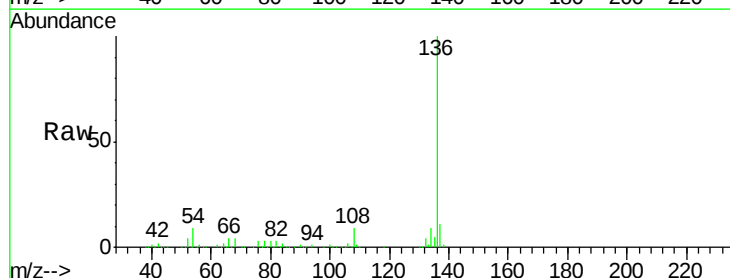
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	9.2	4.9	7.3
68	4.2	4.1	6.1

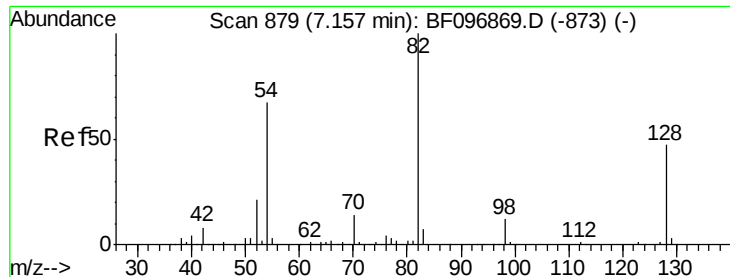
136 100

137 10.5 8.5 12.7

54 9.2 4.9 7.3

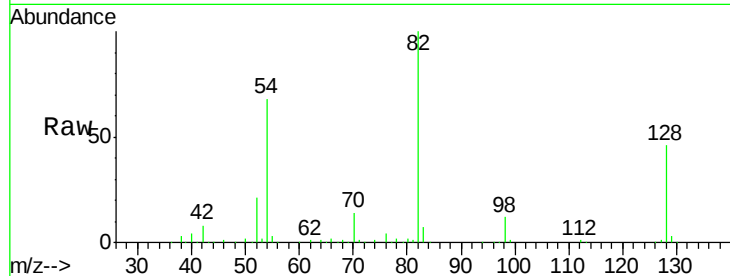
68 4.2 4.1 6.1



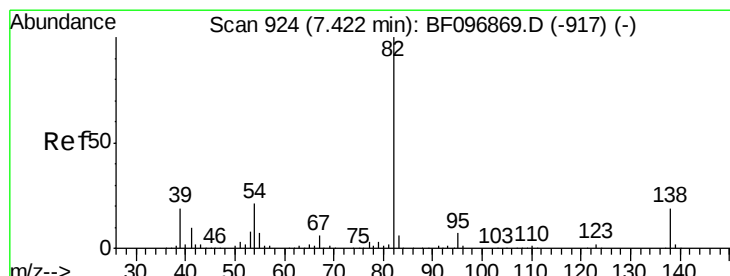
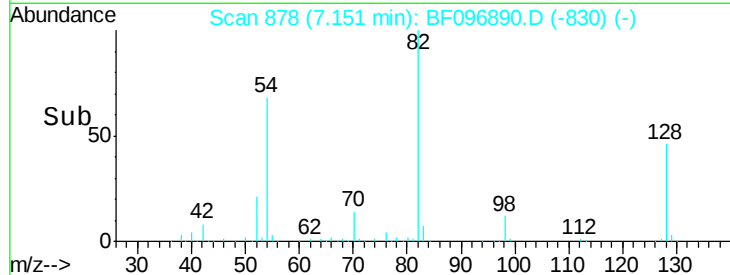
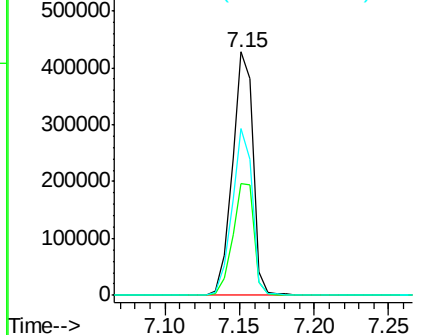


#23
Nitrobenzene-d5
Concen: 61.00 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tot Ion: 82 Resp: 418388
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 68.4 42.2 63.2#

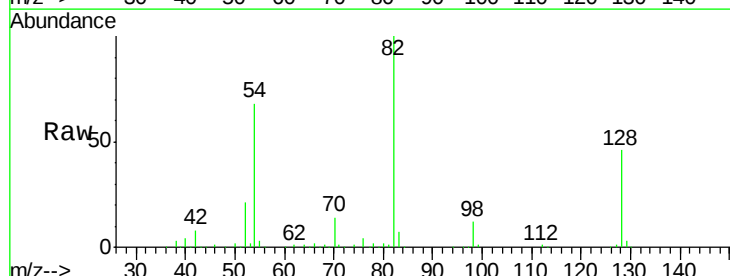


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

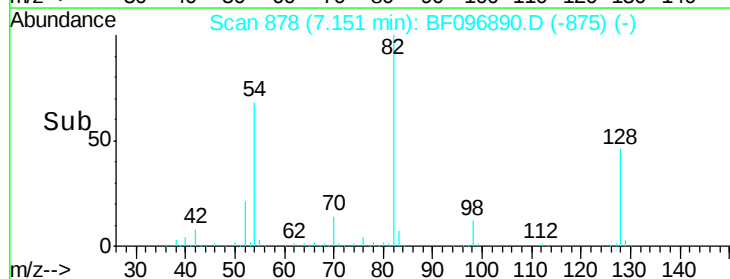
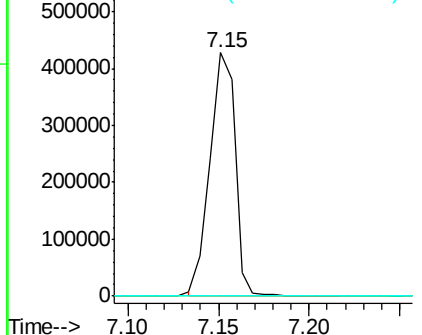


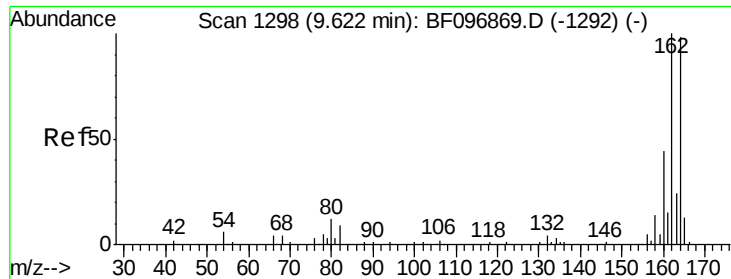
#25
Isophorone
Concen: 32.40 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tgt Ion: 82 Resp: 413425
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

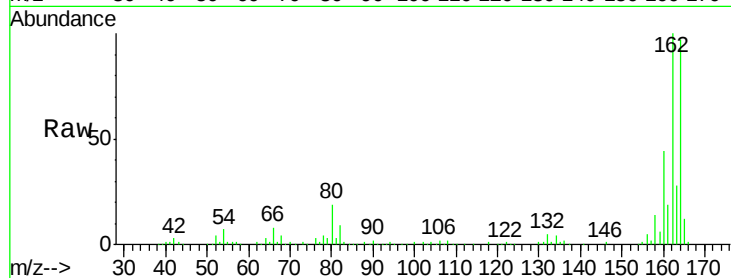
Tot Ion:164 Resp: 159081

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

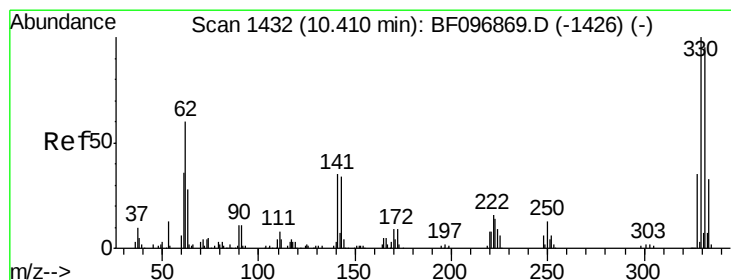
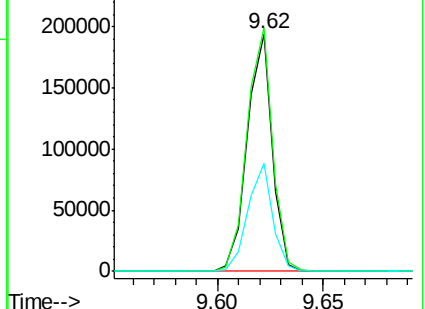
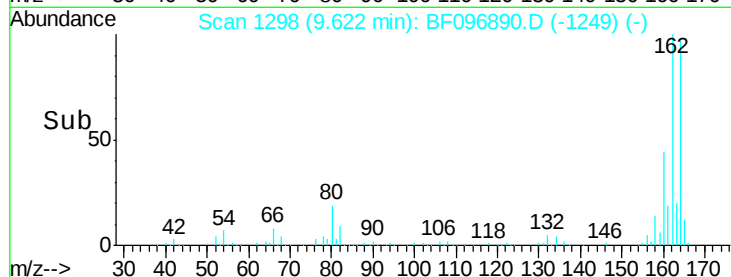
160 45.6 36.2 54.2



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: 80.11 ng

RT: 10.41 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

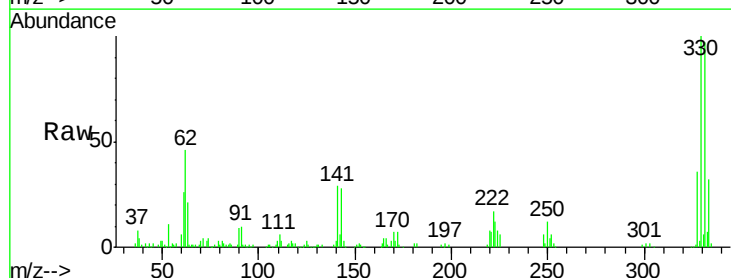
Tgt Ion:330 Resp: 108774

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

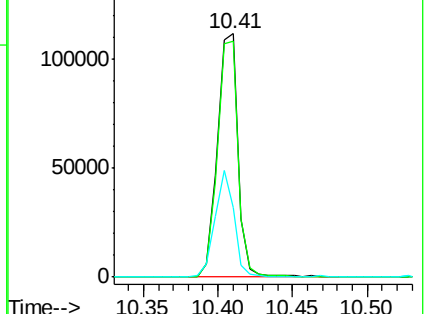
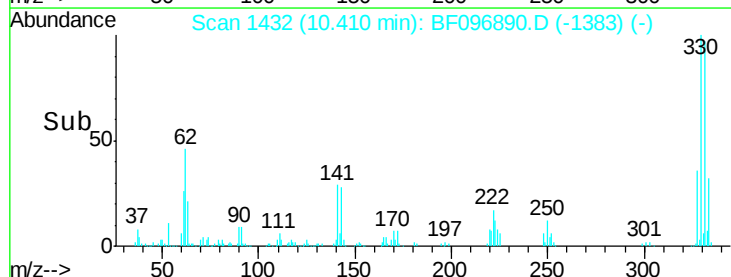
141 40.2 31.4 47.2

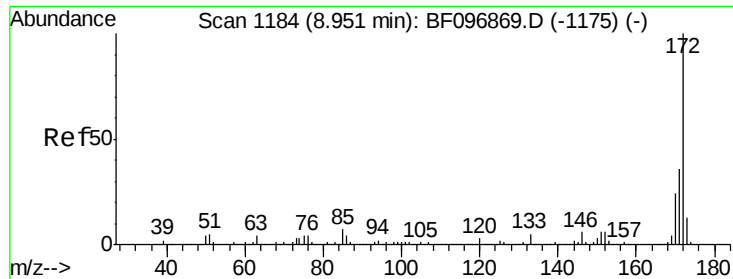


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

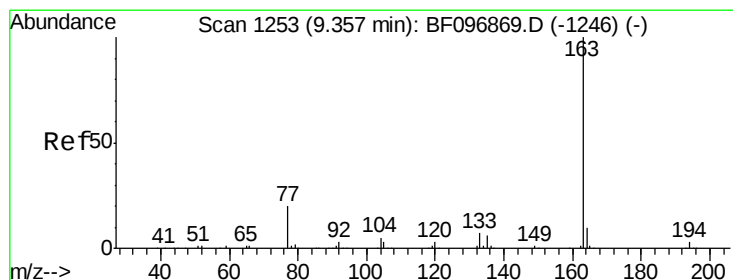
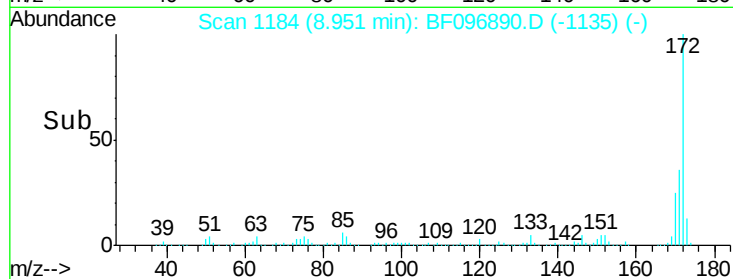
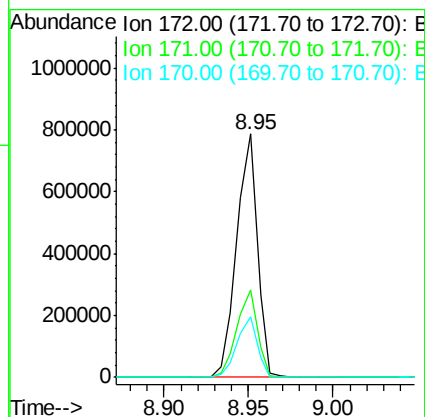
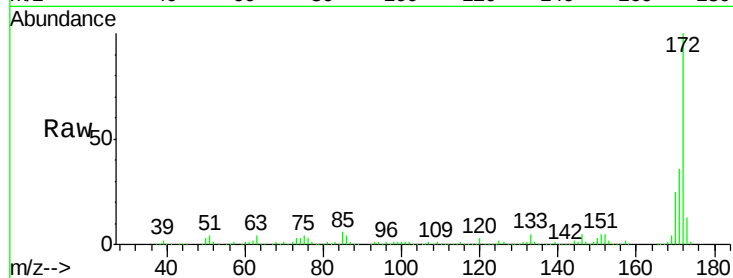
Ion 141.00 (140.70 to 141.70): E





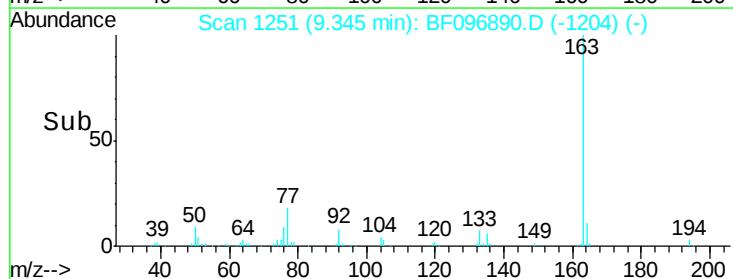
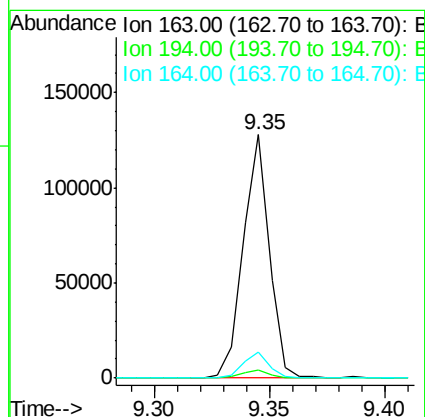
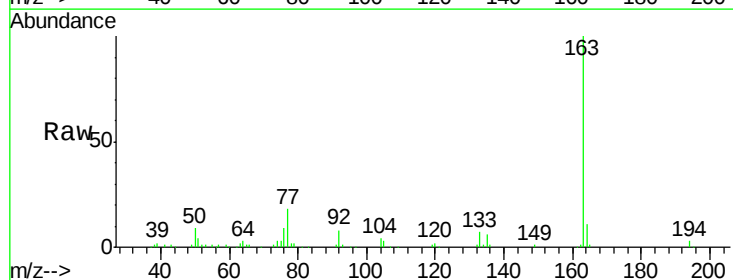
#44
2-Fluorobiphenyl
Concen: 66.73 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

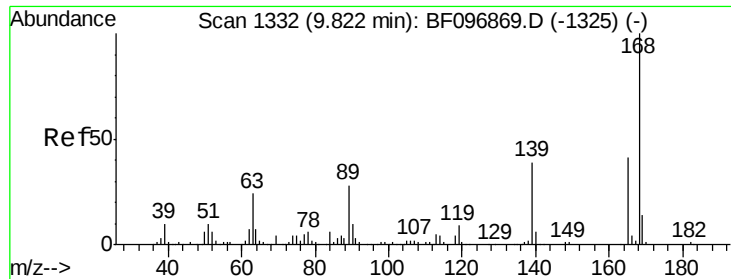
Tot Ion:172 Resp: 671851
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 8.45 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

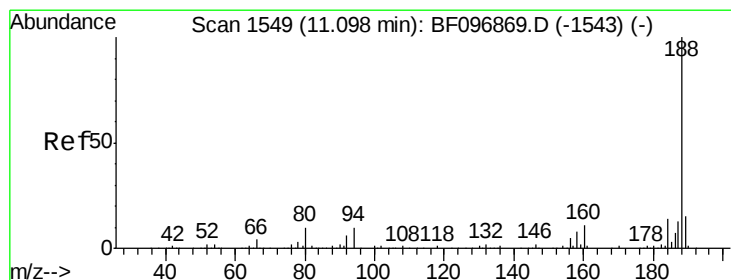
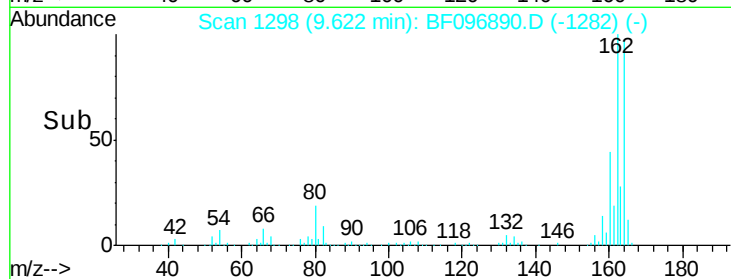
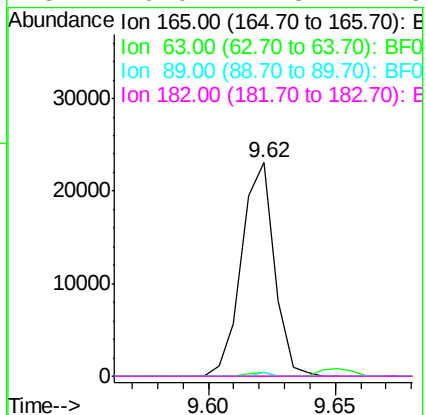
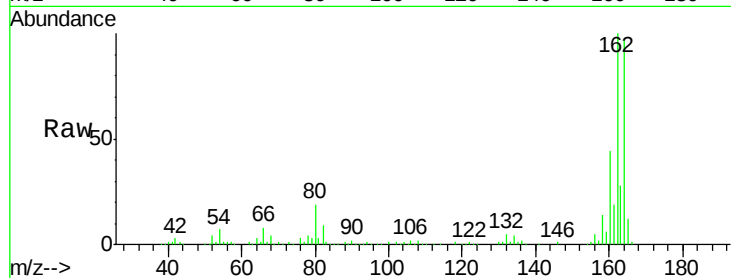
Tgt Ion:163 Resp: 101169
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.7 8.4 12.6





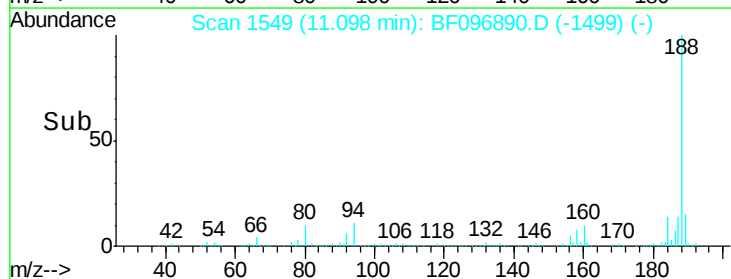
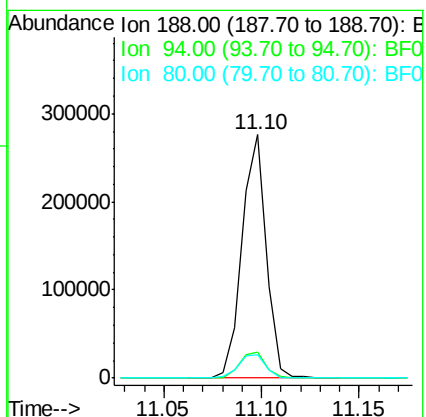
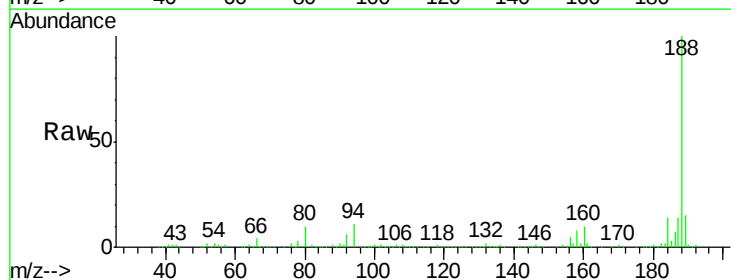
#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.62 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

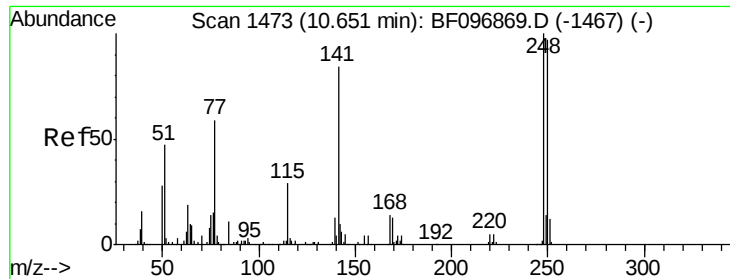
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

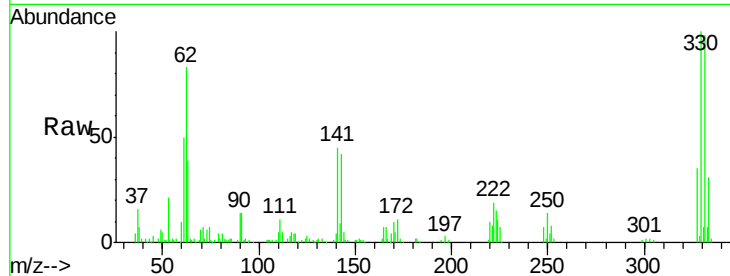
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	9.6	10.2	15.2#



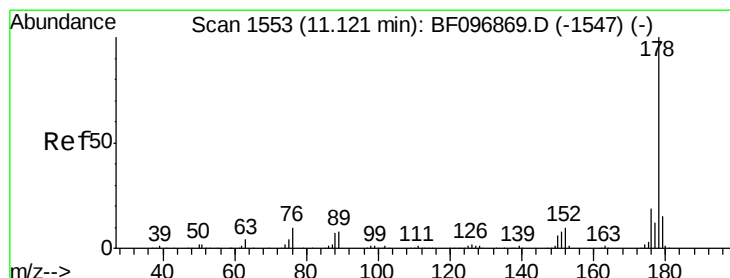
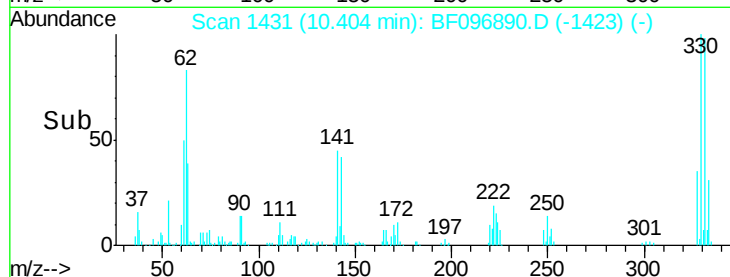
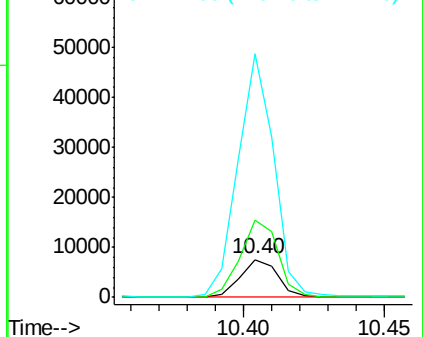


#66
4-Bromophenyl-phenylether
Concen: 2.84 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tot Ion:248 Resp: 6877
Ion Ratio Lower Upper
248 100
250 201.6 76.8 115.2#
141 640.0 68.6 103.0#

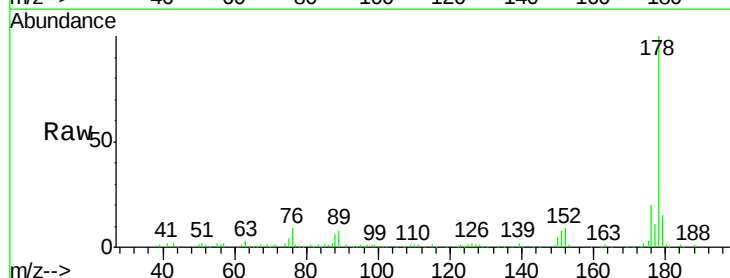


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

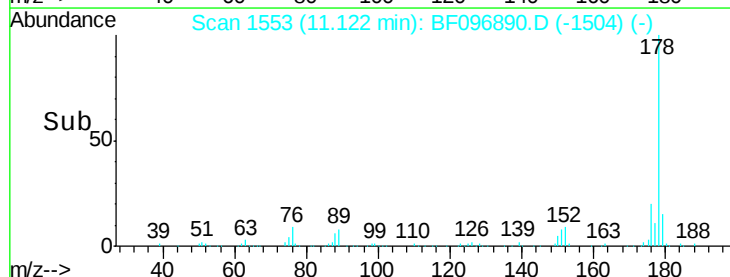
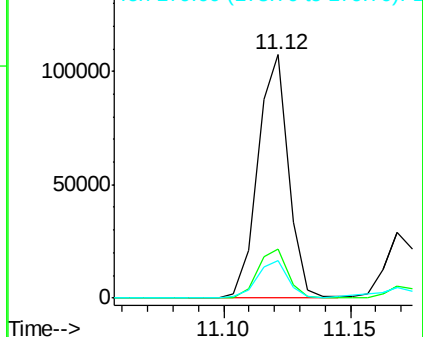


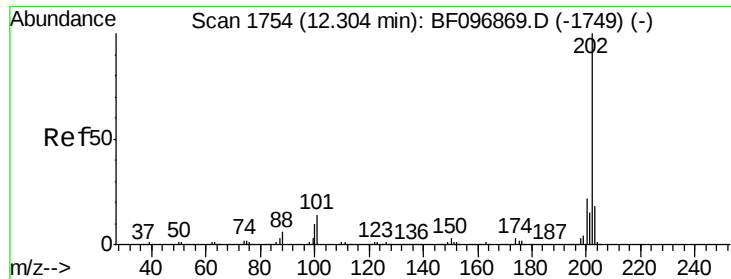
#70
Phenanthrene
Concen: 7.02 ng
RT: 11.12 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tgt Ion:178 Resp: 90502
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.2 12.6 19.0



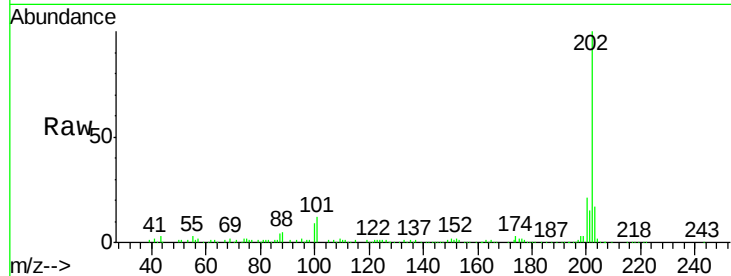
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



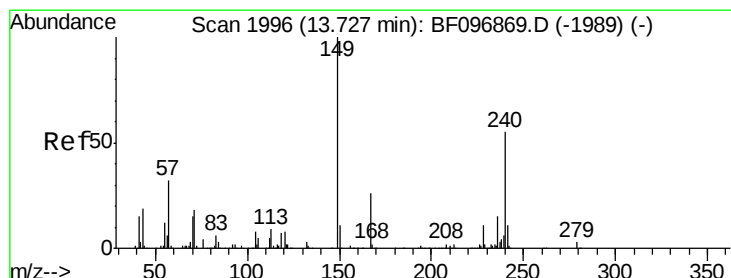
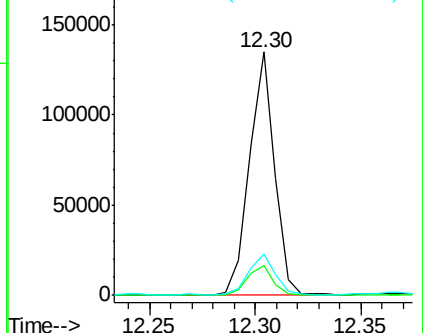
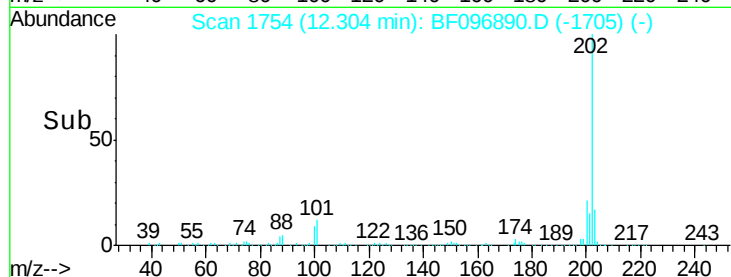


#74
 Fluoranthene
 Concen: 9.06 ng
 RT: 12.30 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

Tot Ion	Ratio	Resp	Lower	Upper
202	100	111838		
101	12.1		0.0	33.2
203	16.9		0.0	38.1

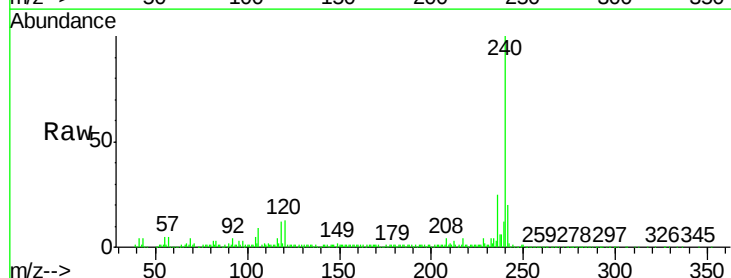


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

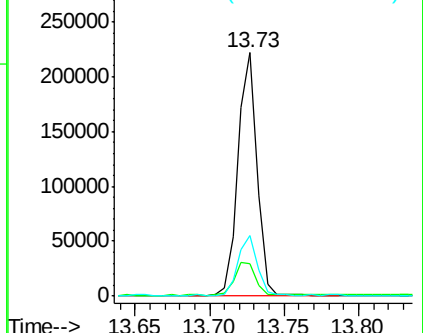
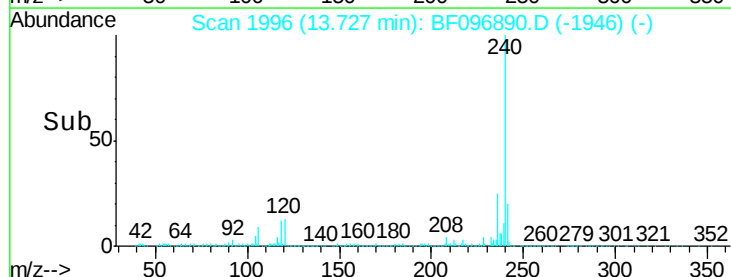


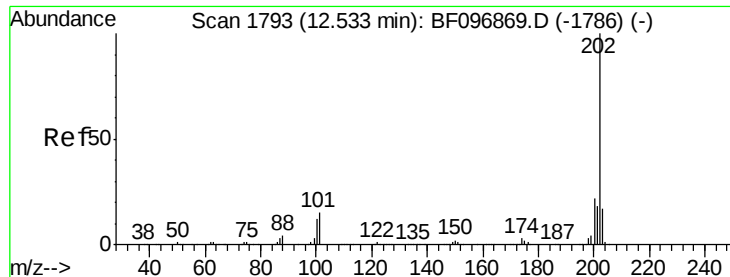
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.73 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF096890.D
 Acq: 20 Jul 2017 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	197785		
120	13.5		5.8	8.8#
236	25.0		20.5	30.7



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: 5.72 ng

RT: 12.53 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

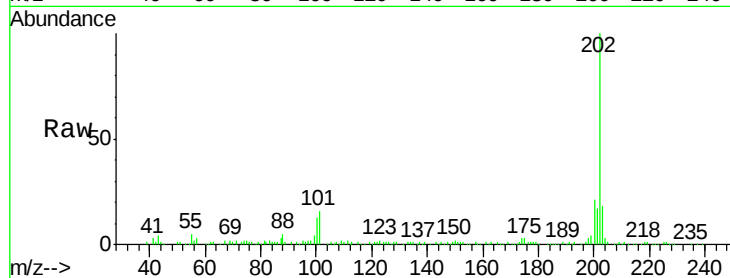
Tot Ion:202 Resp: 102646

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

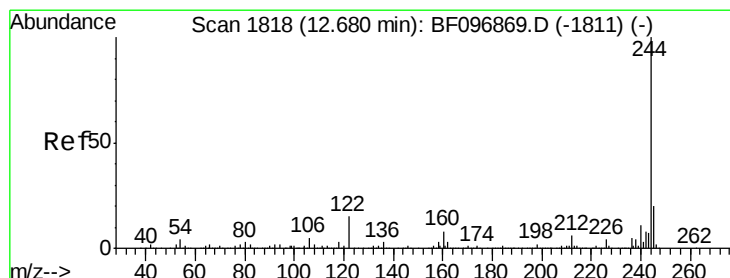
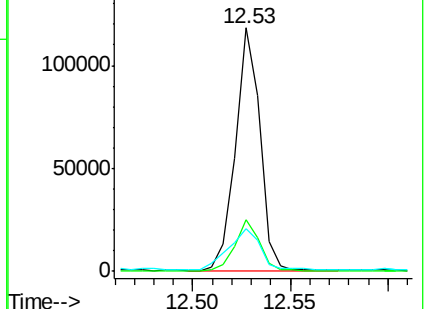
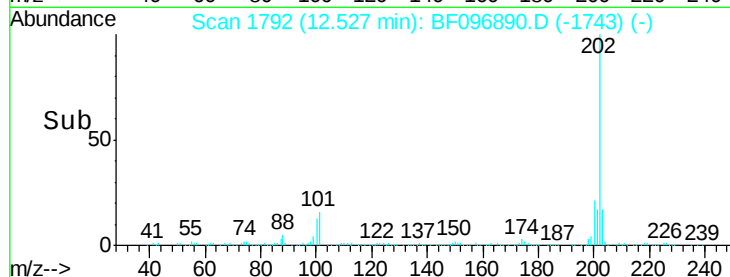
203 17.7 14.4 21.6



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: 38.94 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

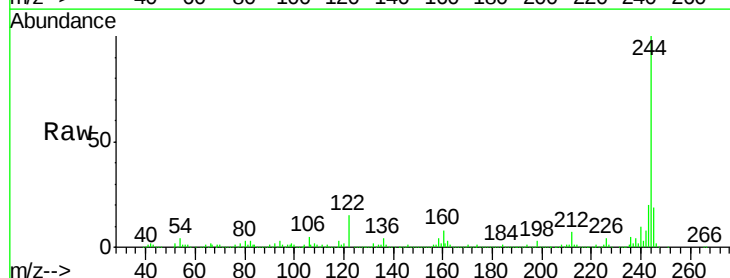
Tgt Ion:244 Resp: 444142

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

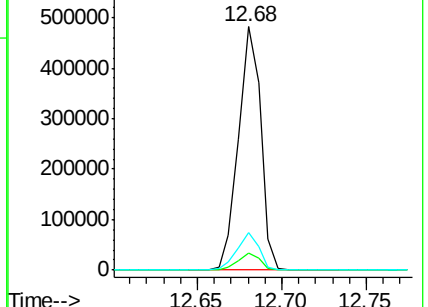
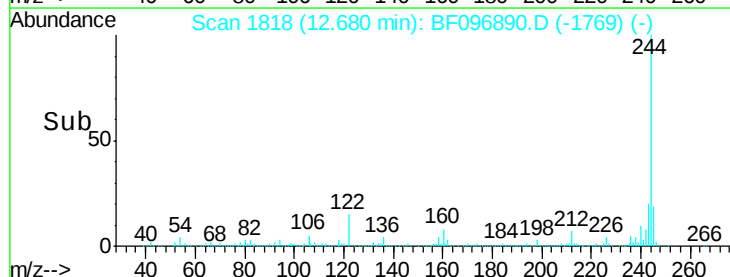
122 15.2 10.3 15.5

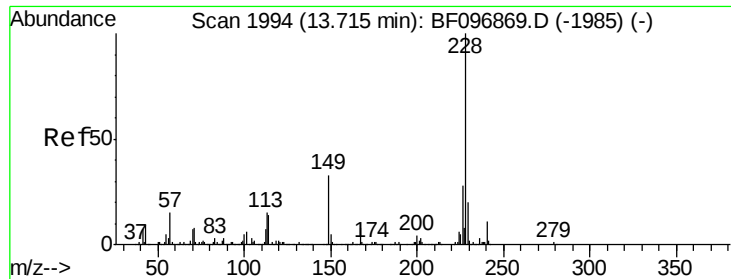


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

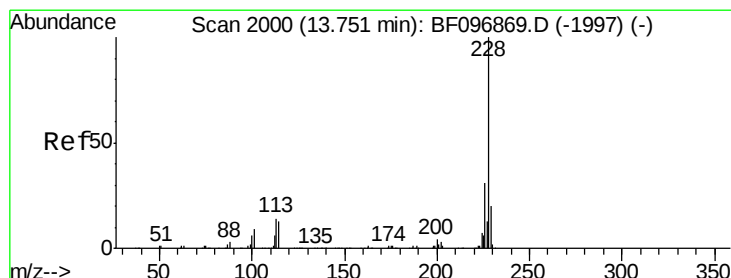
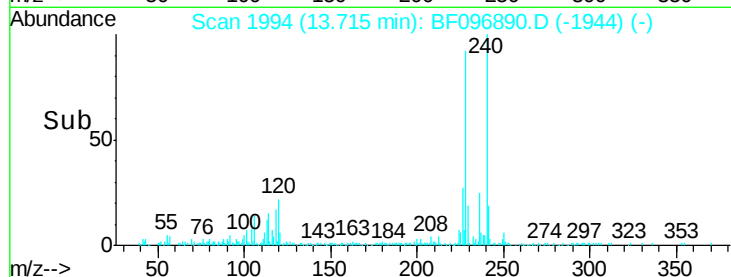
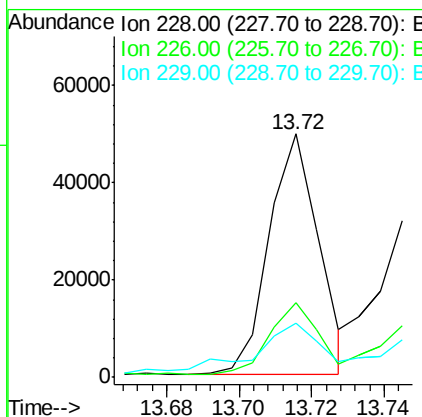
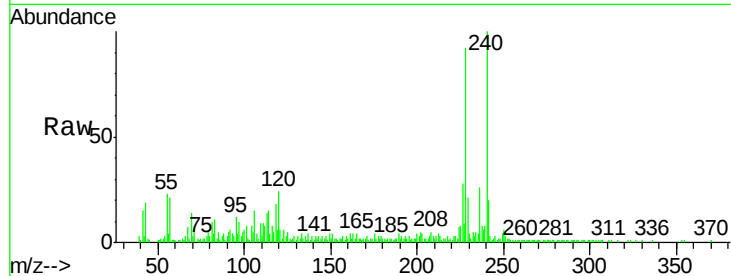
Ion 122.00 (121.70 to 122.70): E





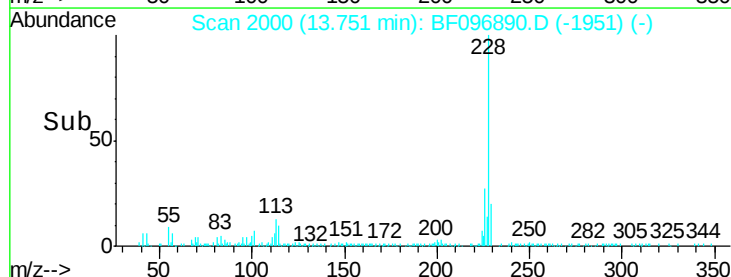
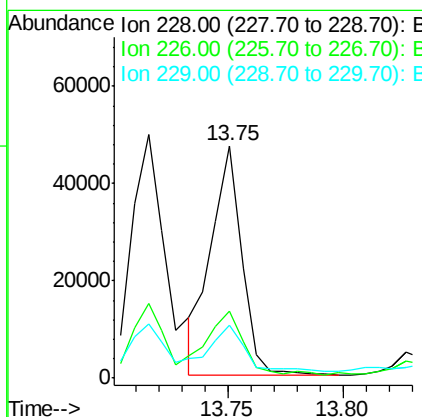
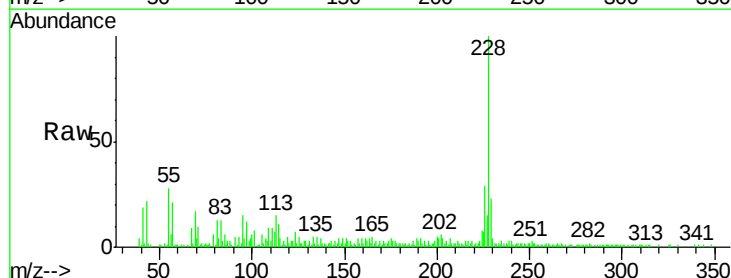
#80
Benzo(a)anthracene
Concen: 3.82 ng
RT: 13.72 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

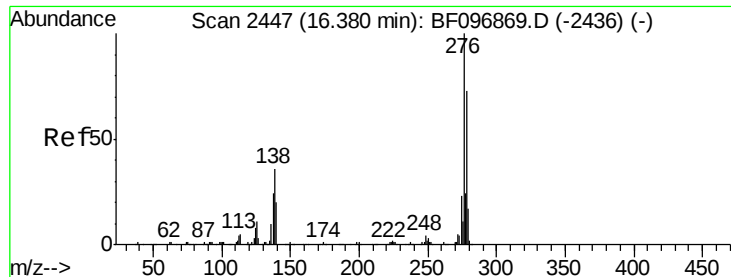
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.4	16.3	24.5



#82
Chrysene
Concen: 3.62 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

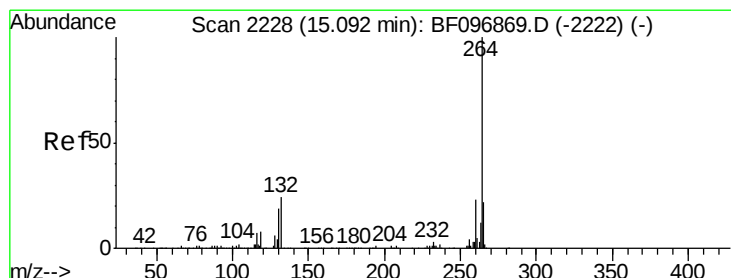
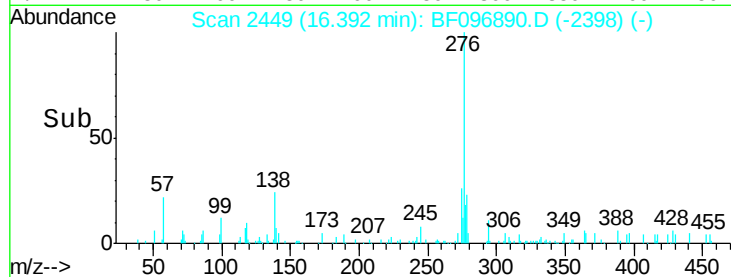
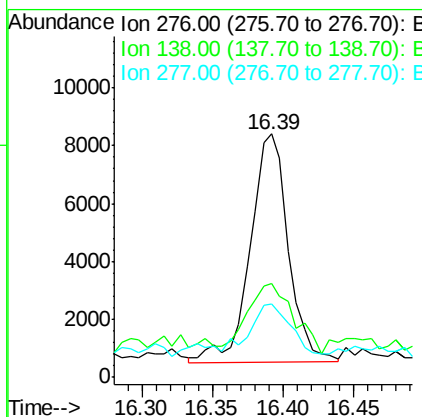
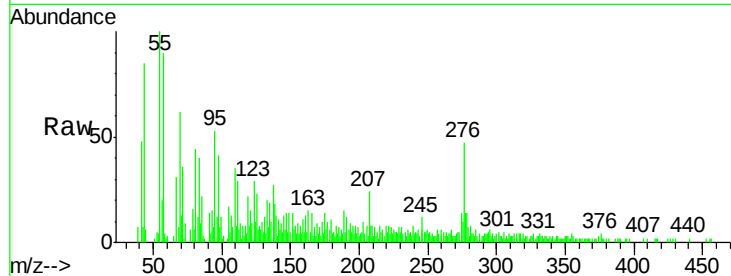
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.9	37.3
229	22.8	15.8	23.6





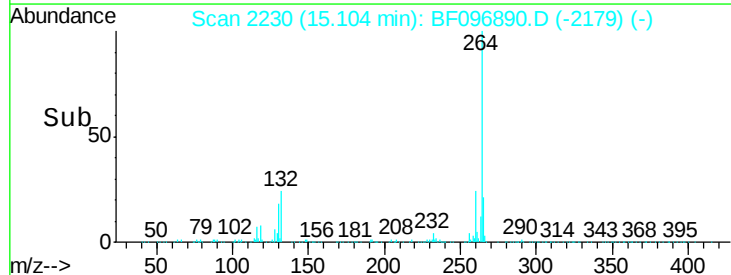
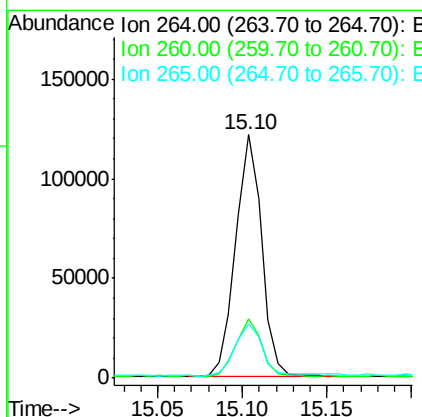
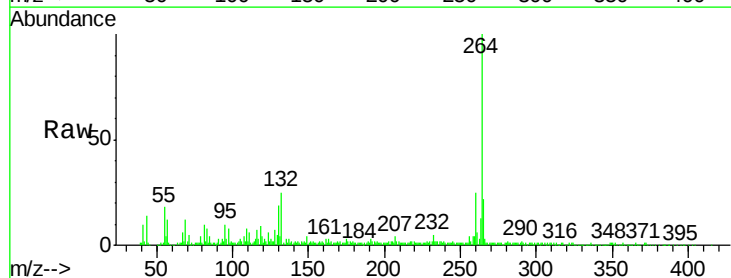
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.61 ng
RT: 16.39 min Scan# 2449
Delta R.T. 0.00 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

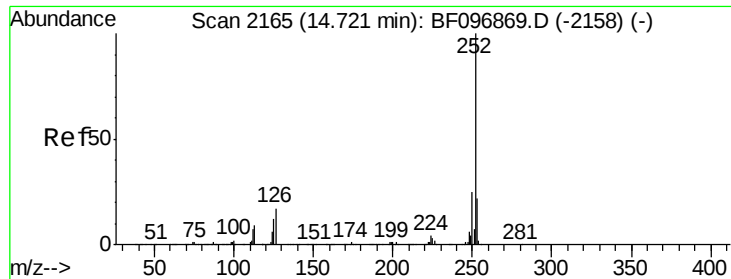
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.5	27.8	41.6
277	22.4	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.68 ng

RT: 14.73 min Scan# 2166

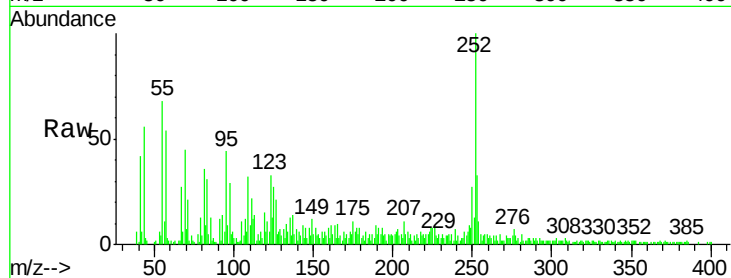
Delta R.T. 0.00 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

Tot Ion:252 Resp: 60758

Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.1	27.1#
125	27.5	9.8	14.8#

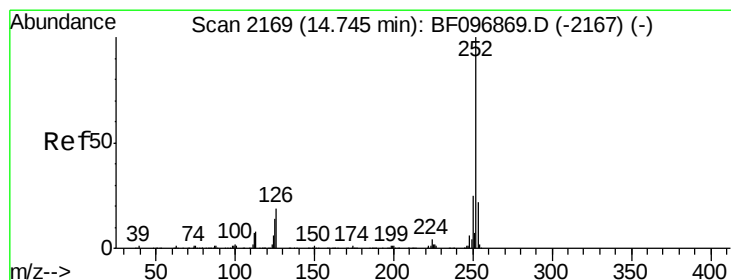
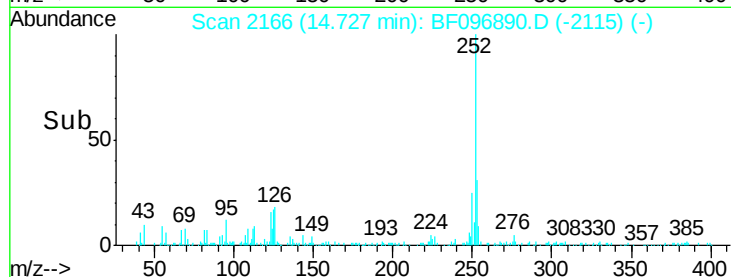
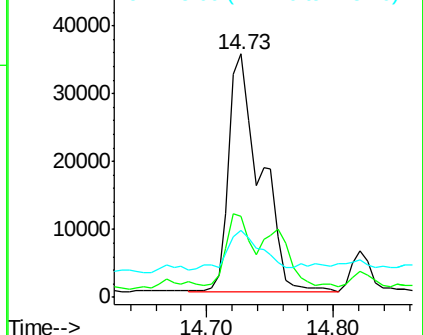


Abundance

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: 8.11 ng

RT: 14.73 min Scan# 2166

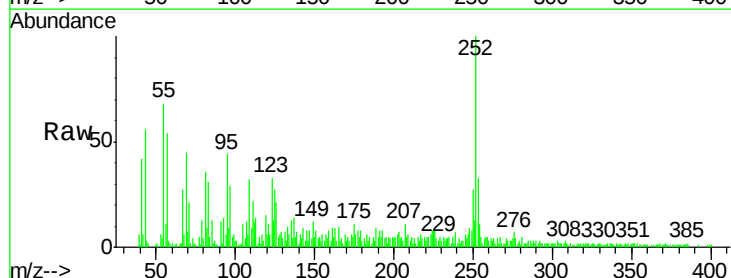
Delta R.T. -0.03 min

Lab File: BF096890.D

Acq: 20 Jul 2017 00:40

Tgt Ion:252 Resp: 60758

Ion	Ratio	Lower	Upper
252	100		
253	33.5	18.4	27.6#
125	27.5	13.1	19.7#

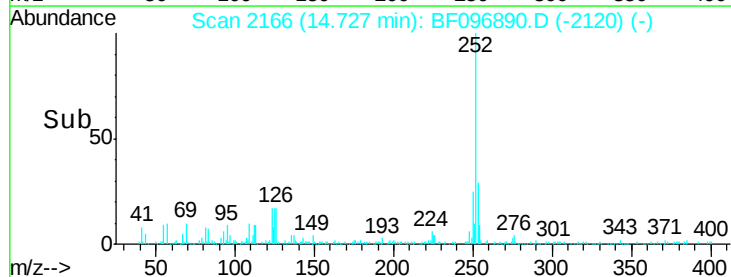
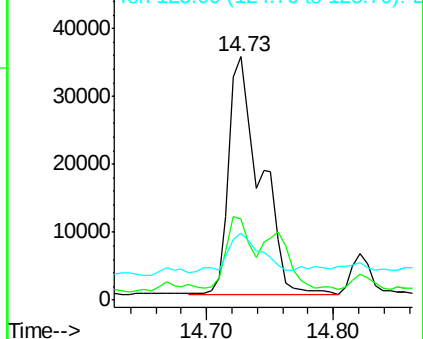


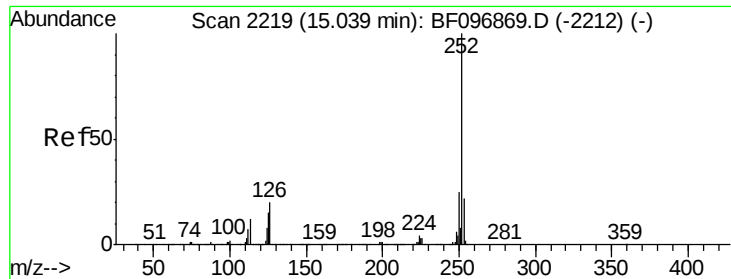
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

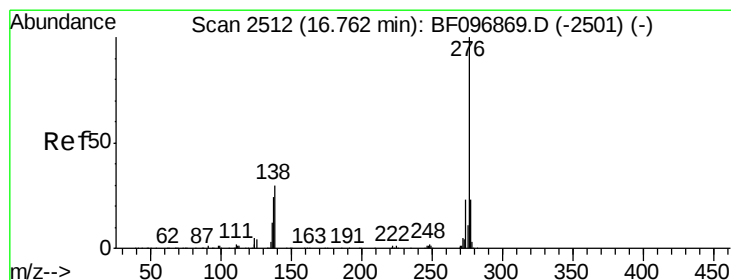
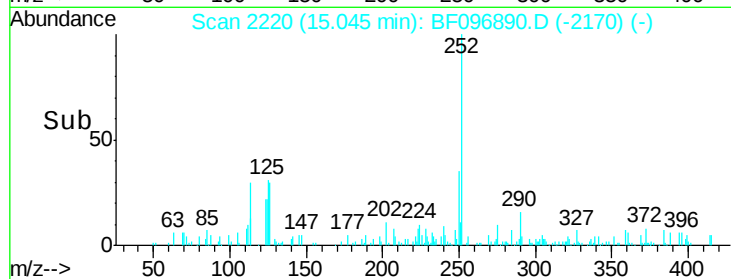
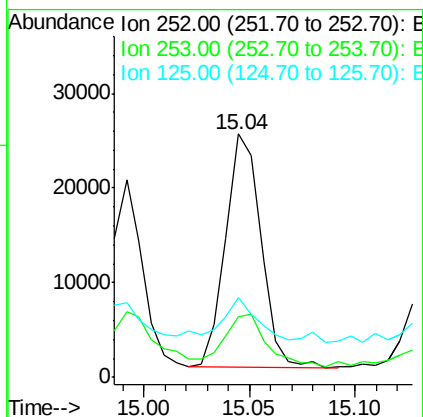
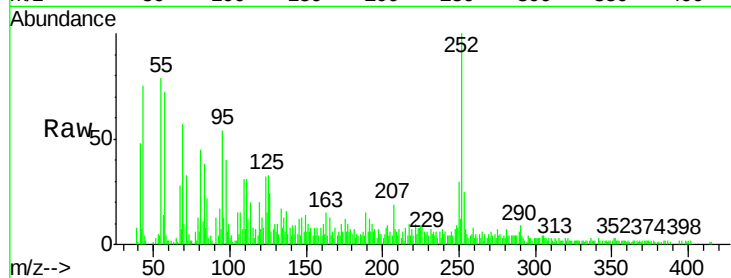
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 3.95 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	32.7	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.03 ng
RT: 16.78 min Scan# 2515
Delta R.T. 0.00 min
Lab File: BF096890.D
Acq: 20 Jul 2017 00:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.6	18.6	28.0
138	35.5	25.4	38.0

