

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104881.D
 Acq On : 27 Apr 2018 15:16
 Operator : JU/SJ
 Sample : J2482-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 27 17:16:17 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	107757	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	454316	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	206580	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	374812	20.00	ng	0.00
75) Chrysene-d12	13.97	240	238474	20.00	ng	-0.01
86) Perylene-d12	15.45	264	238202	20.00	ng	0.00

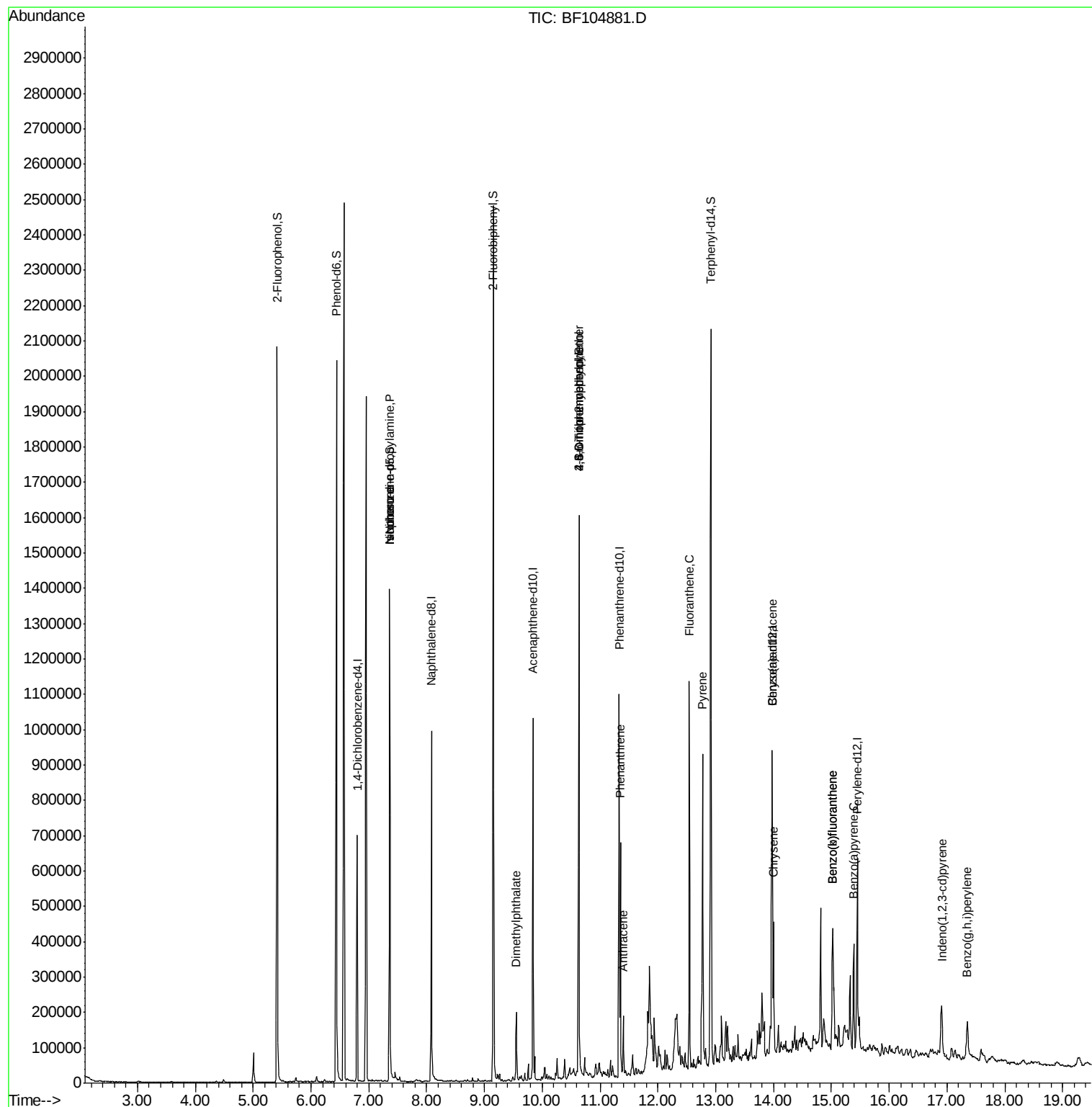
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	634422	90.02	ng	0.00
7) Phenol-d6	6.44	99	780954	90.19	ng	0.00
23) Nitrobenzene-d5	7.36	82	479422	68.91	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	204252	95.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	777055	59.42	ng	0.00
78) Terphenyl-d14	12.92	244	678643	64.88	ng	0.00

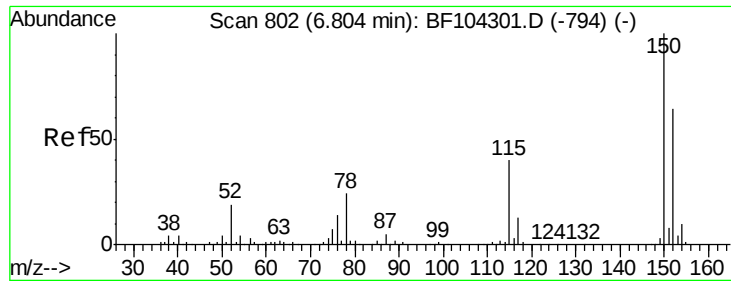
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	62716	11.084	ng	# 72
25) Isophorone	7.36	82	479415	32.585	ng	# 64
49) Dimethylphthalate	9.55	163	73979	4.541	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	385	7.526	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12457	3.125	ng	# 1
70) Phenanthrene	11.35	178	219183	10.501	ng	98
71) Anthracene	11.40	178	60380	2.846	ng	97
74) Fluoranthene	12.55	202	386435	17.720	ng	98
76) Benzidine	12.92	184	8769	Below Cal		95
77) Pyrene	12.77	202	342374	19.369	ng	99
80) Benzo(a)anthracene	13.97	228	159183	11.173	ng	99
82) Chrysene	14.00	228	143835	9.829	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	91625	7.371	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	242041	16.088	ng	96
88) Benzo(k)fluoranthene	15.02	252	242041	17.041	ng	98
89) Benzo(a)pyrene	15.39	252	137387	10.206	ng	98
91) Benzo(a,h,i)perylene	17.35	276	93362	8.716	ng	97

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

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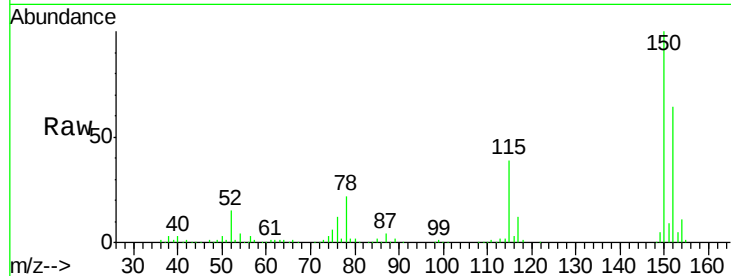




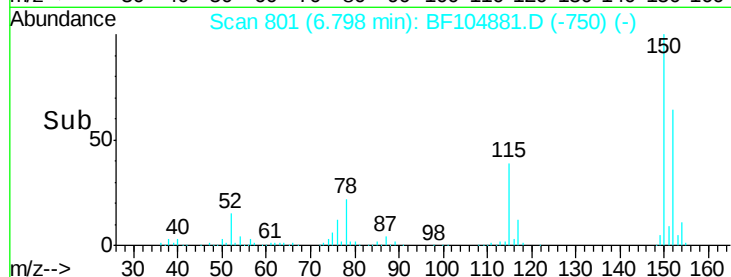
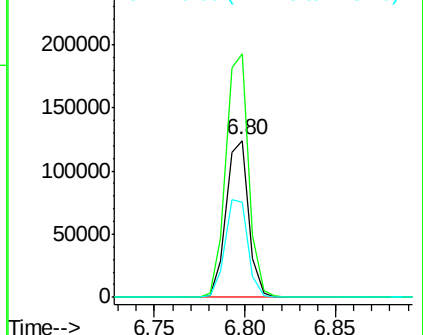
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	60.9	50.1	75.1



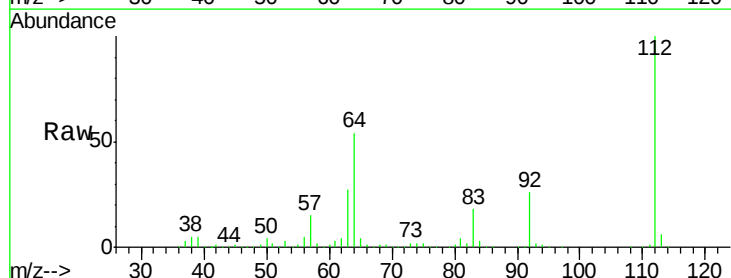
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



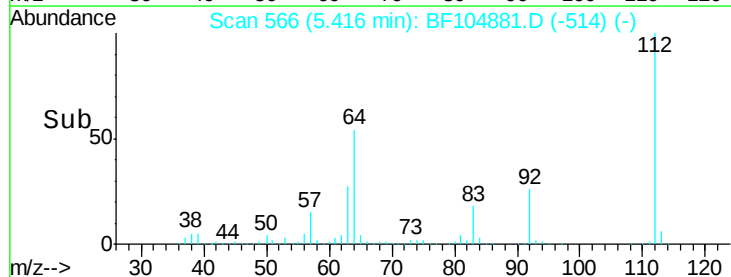
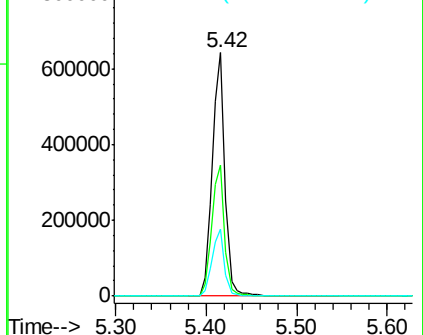
#5

2-Fluorophenol
Concen: 90.024 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	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: 90.192 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

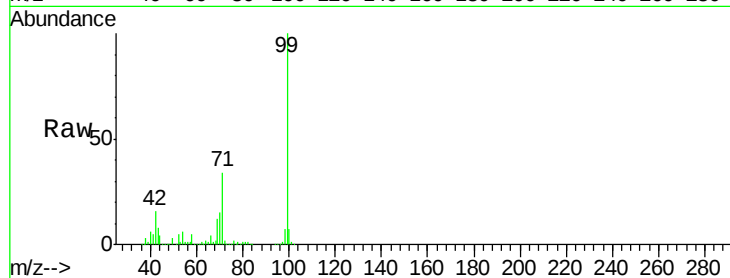
Tot Ion: 99 Resp: 780954

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

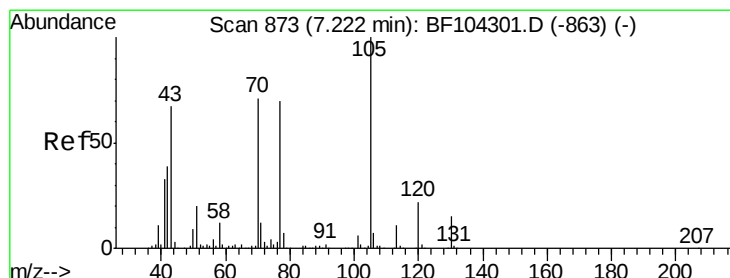
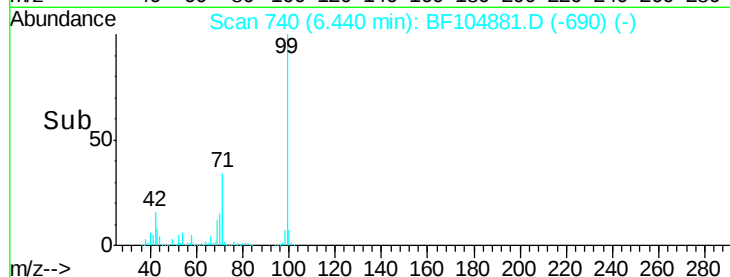
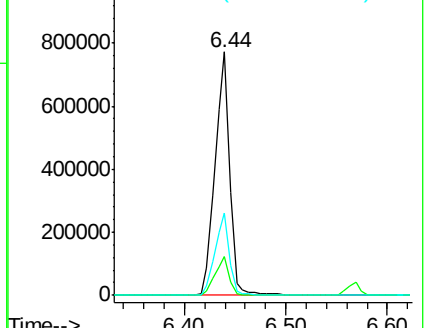
71 33.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.084 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

Tgt Ion: 70 Resp: 62716

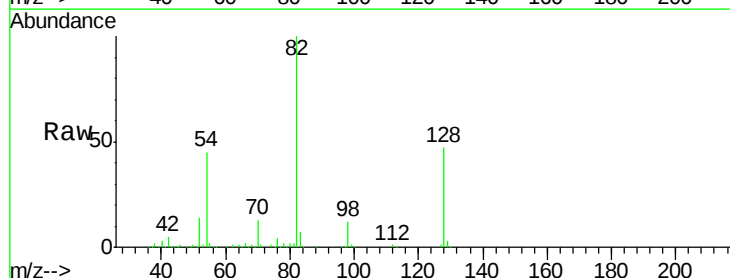
Ion Ratio Lower Upper

70 100

42 41.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

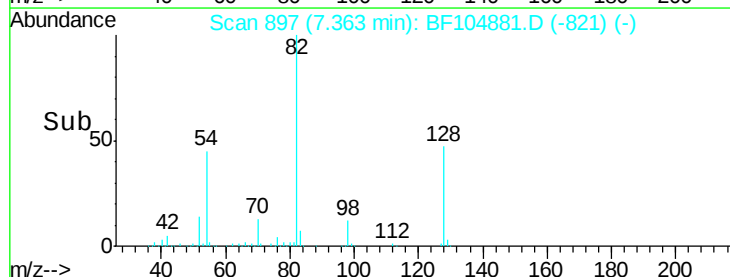
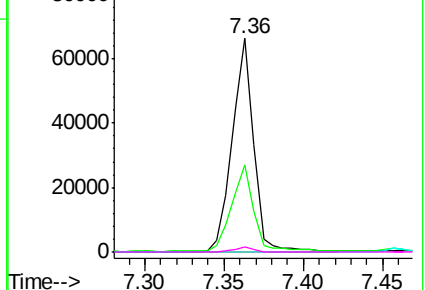


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

Tot Ion:136 Resp: 454316

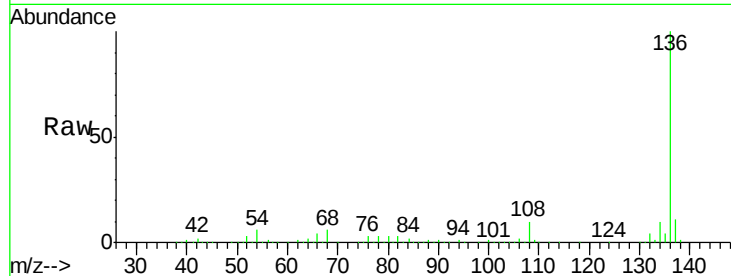
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 5.0 7.4

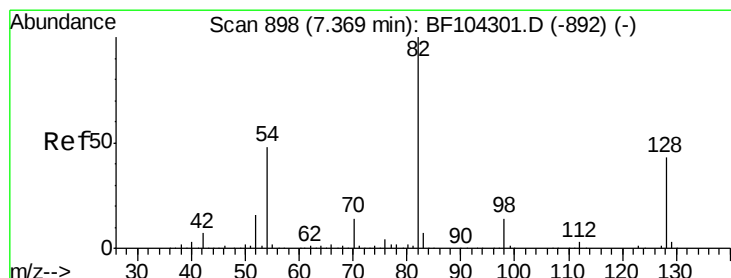
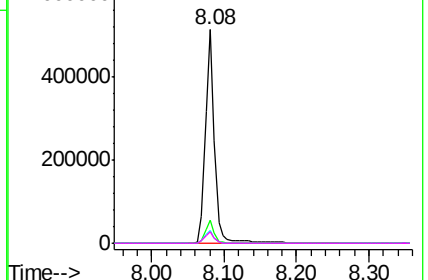
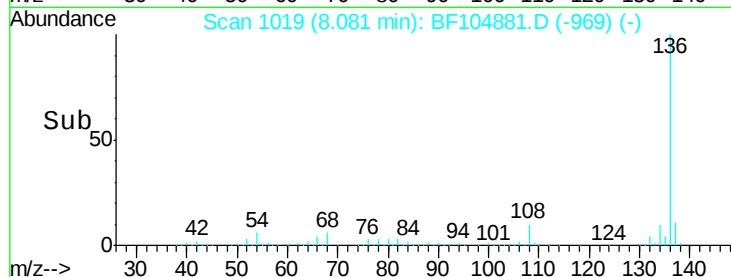


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 68.907 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

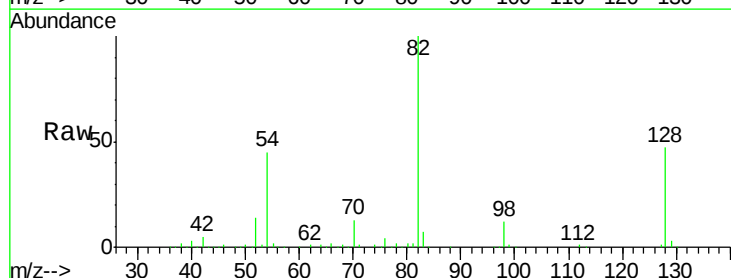
Tgt Ion: 82 Resp: 479422

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

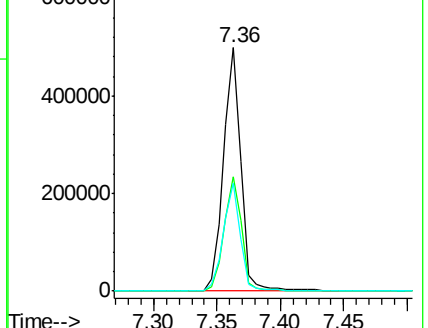
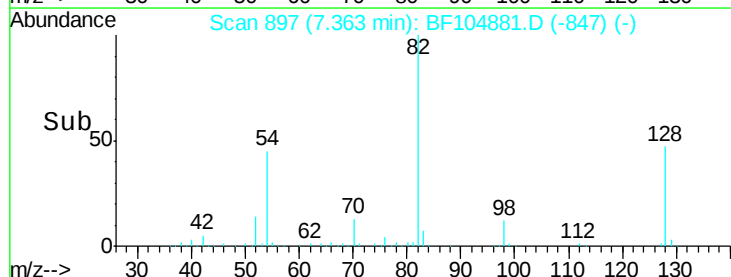
54 44.5 41.4 62.2

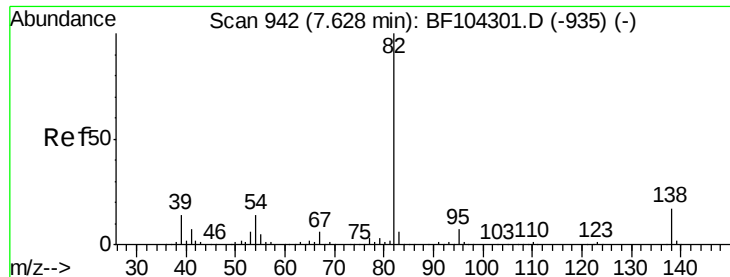


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.585 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

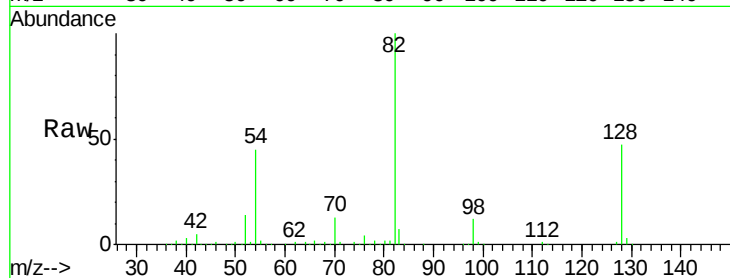
Tot Ion: 82 Resp: 479415

Ion Ratio Lower Upper

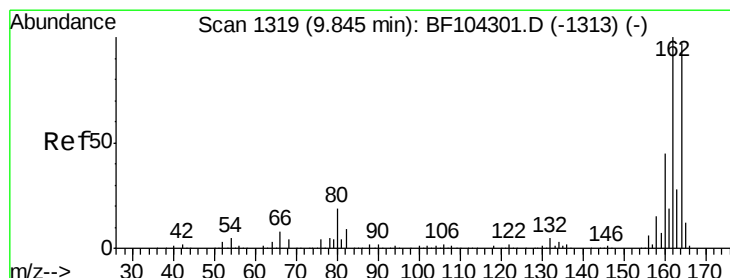
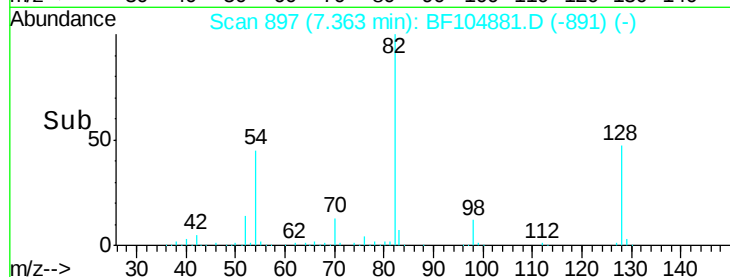
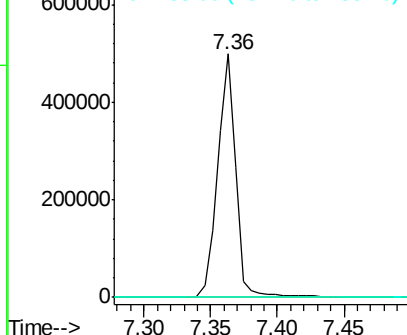
82 100

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: BF104881.D

Acq: 27 Apr 2018 15:16

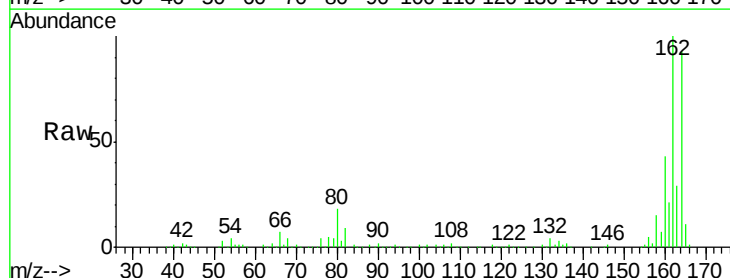
Tgt Ion: 164 Resp: 206580

Ion Ratio Lower Upper

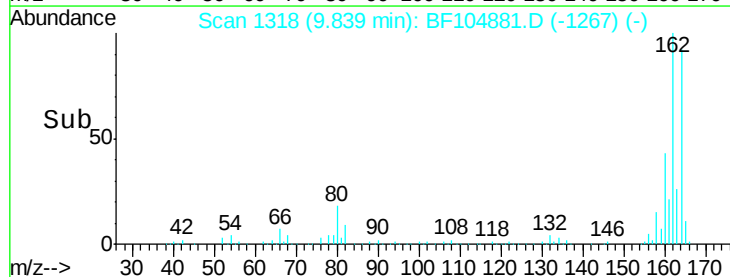
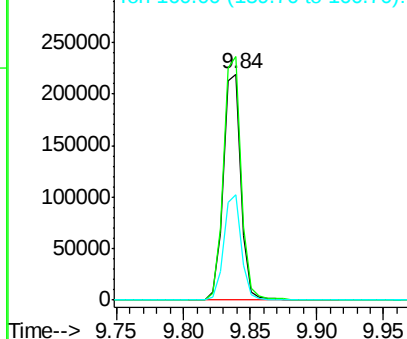
164 100

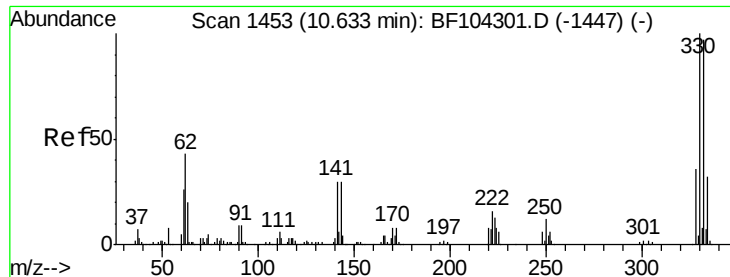
162 107.6 86.1 129.1

160 46.7 38.3 57.5



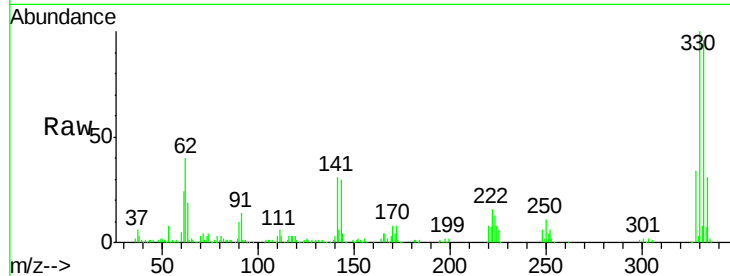
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



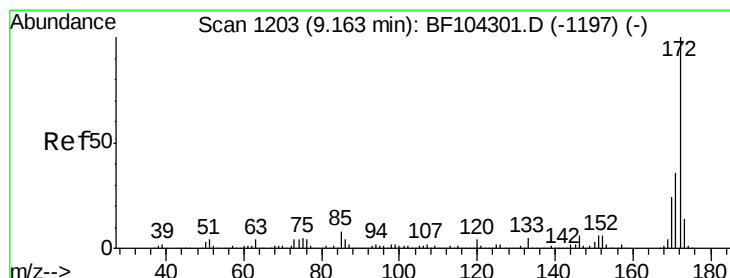
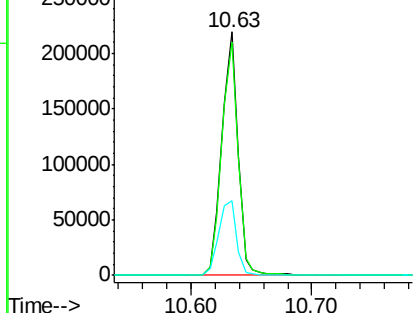
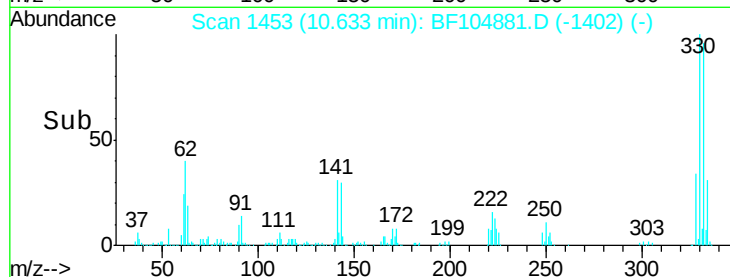


#41
 2,4,6-Tribromophenol
 Concen: 95.315 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104881.D
 Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	33.6	29.9	44.9

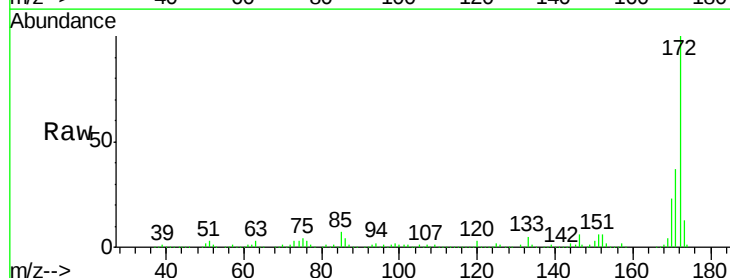


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

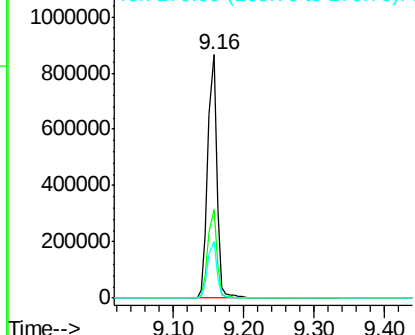
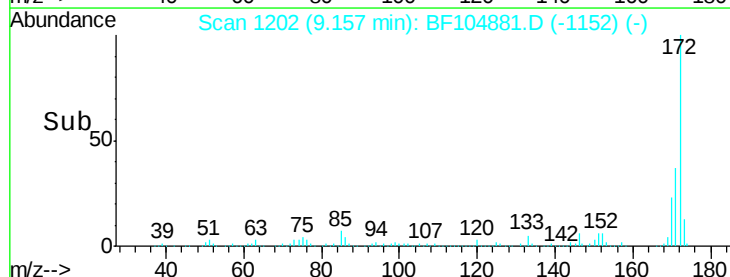


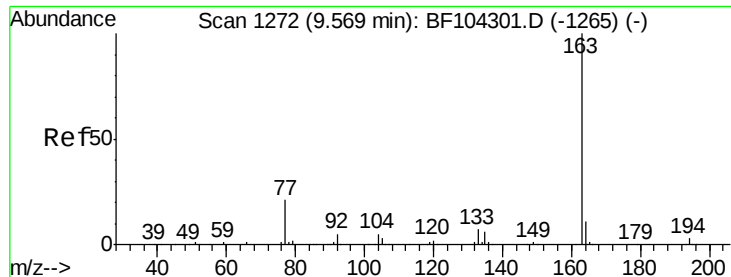
#44
 2-Fluorobiphenyl
 Concen: 59.423 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104881.D
 Acq: 27 Apr 2018 15:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	23.4	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: 4.541 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

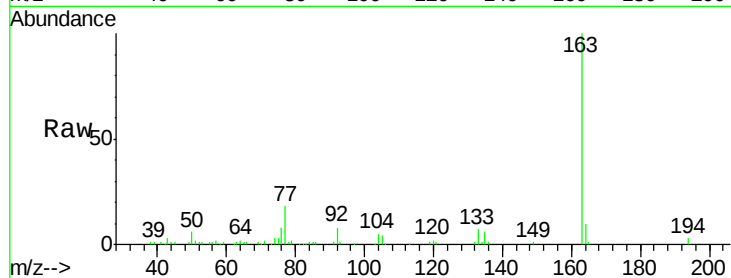
Tot Ion:163 Resp: 73979

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

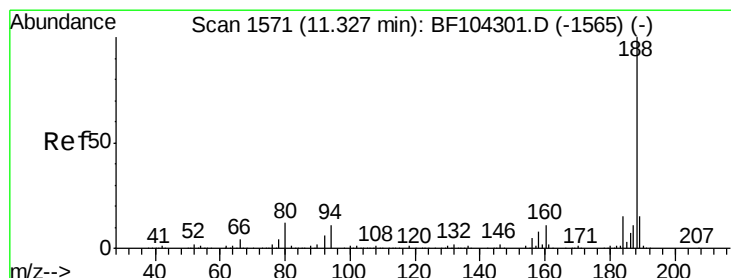
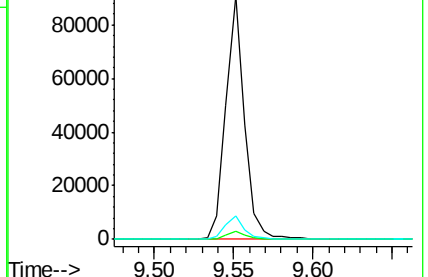
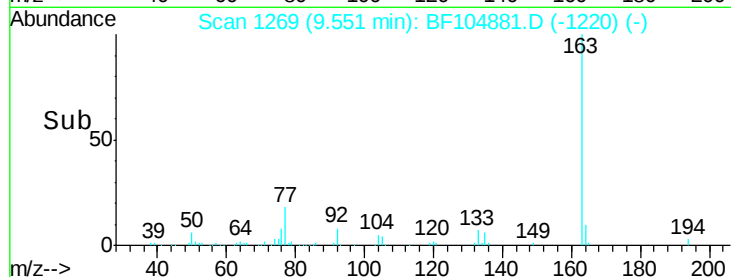
164 9.6 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

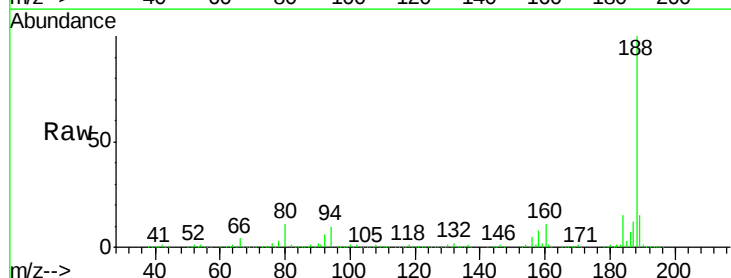
Tgt Ion:188 Resp: 374812

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

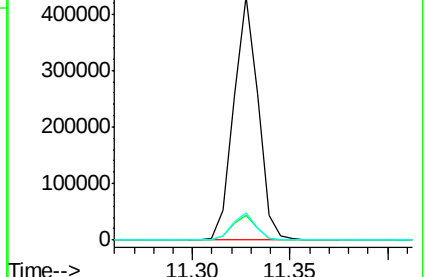
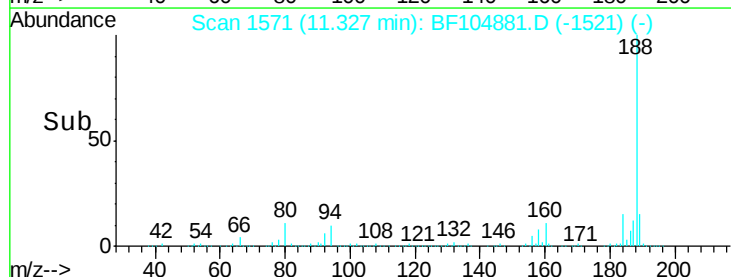
80 11.1 9.2 13.8

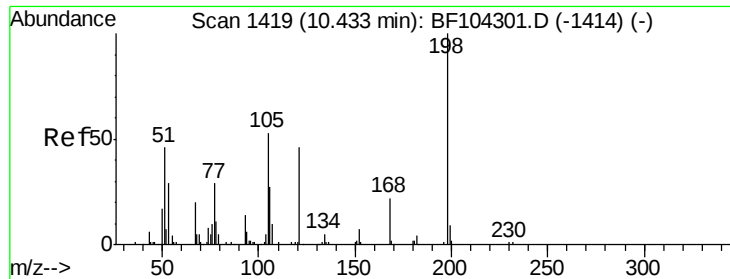


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

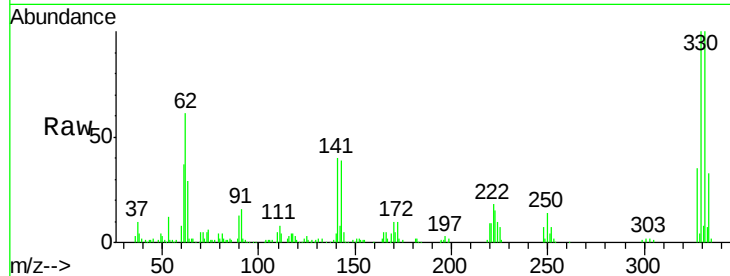
Ion 80.00 (79.70 to 80.70): BF1



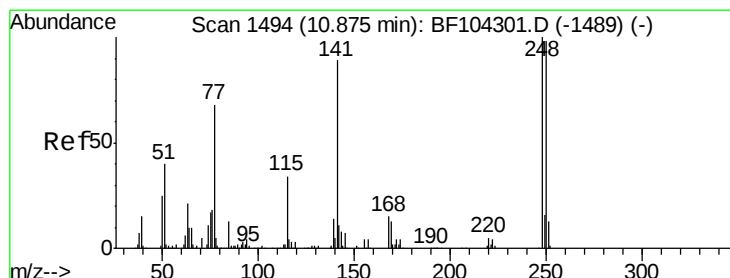
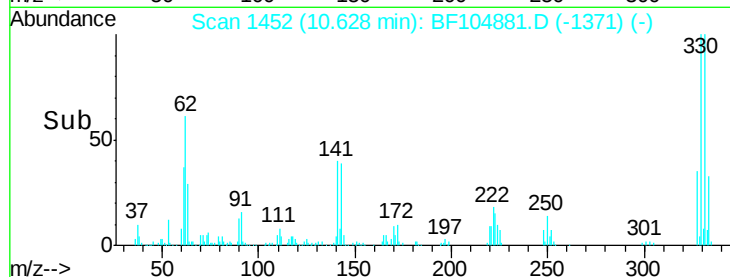
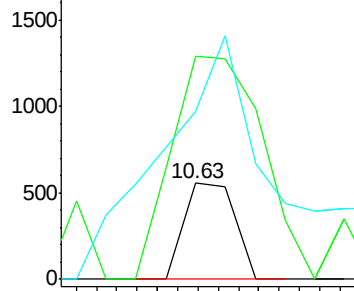


#64
4,6-Dinitro-2-methylphenol
Concen: 7.526 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tot Ion:198 Resp: 385
Ion Ratio Lower Upper
198 100
51 232.0 37.7 77.7#
105 175.0 36.3 76.3#

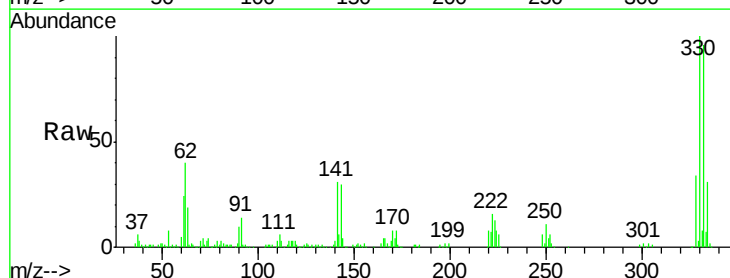


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

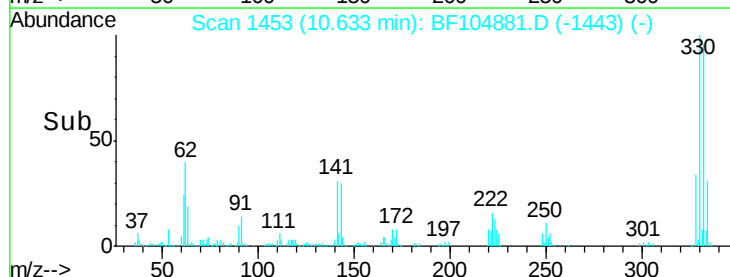
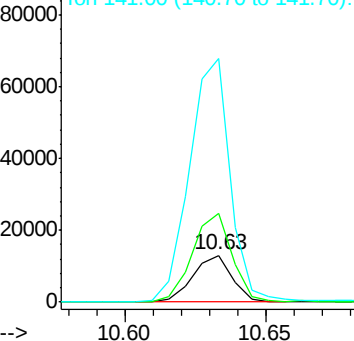


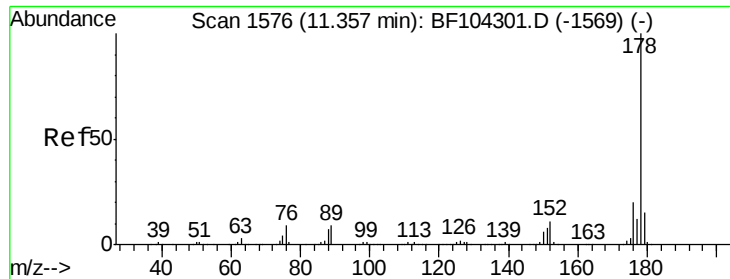
#66
4-Bromophenyl-phenylether
Concen: 3.125 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion:248 Resp: 12457
Ion Ratio Lower Upper
248 100
250 190.2 76.9 115.3#
141 523.1 74.4 111.6#



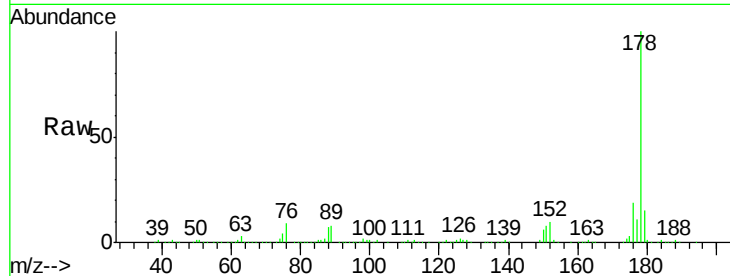
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



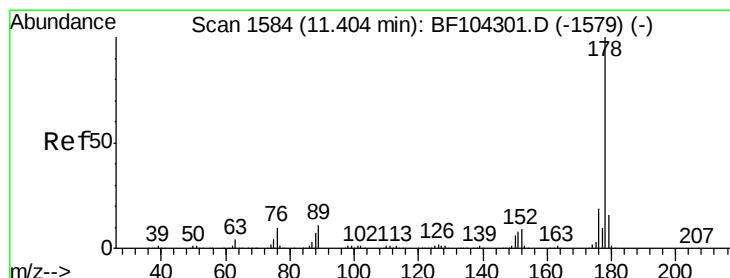
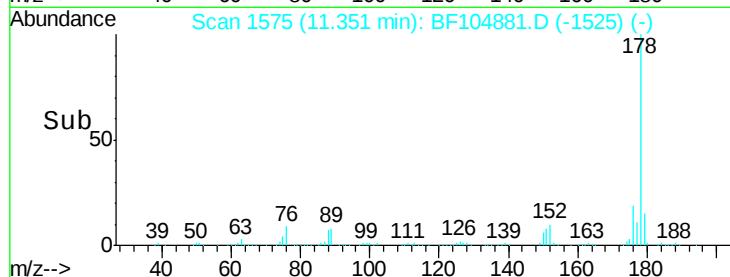
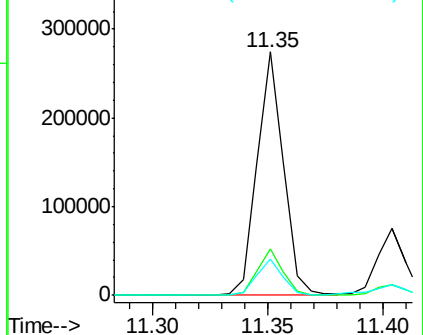


#70
Phenanthrene
Concen: 10.501 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6

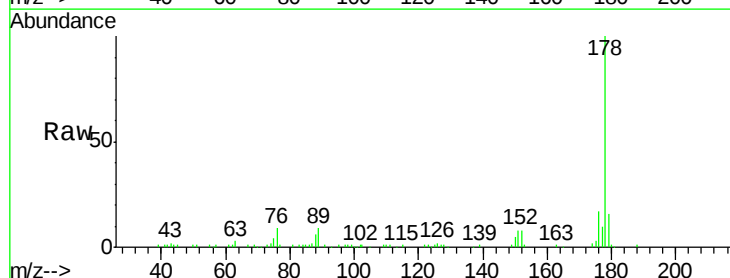


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

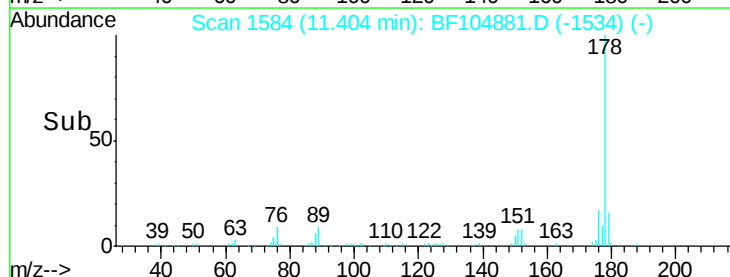
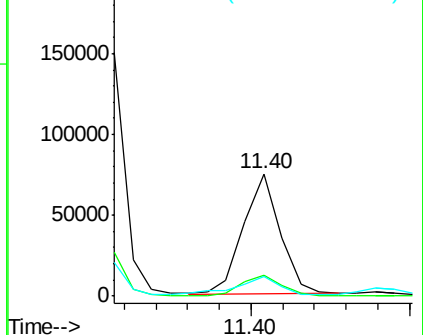


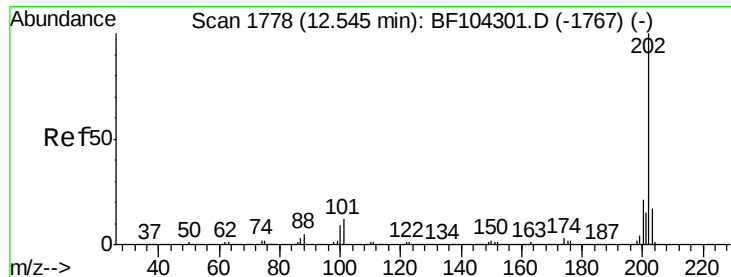
#71
Anthracene
Concen: 2.846 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	16.0	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: 17.720 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

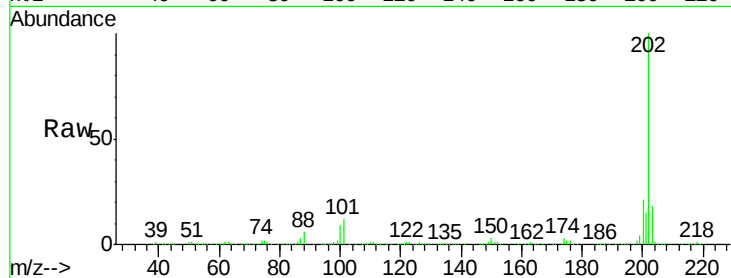
Tot Ion:202 Resp: 386435

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

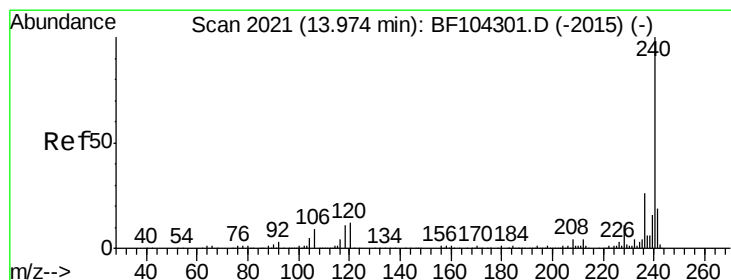
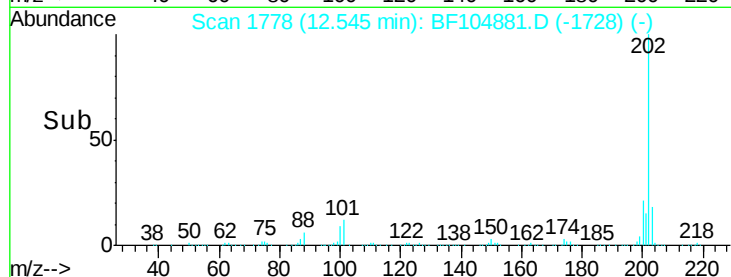
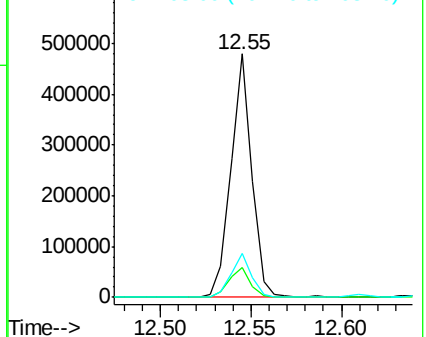
203 17.9 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

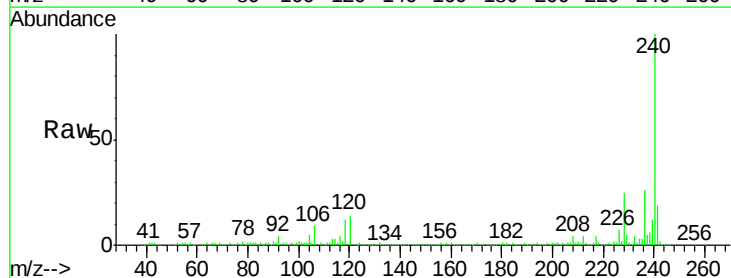
Tgt Ion:240 Resp: 238474

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

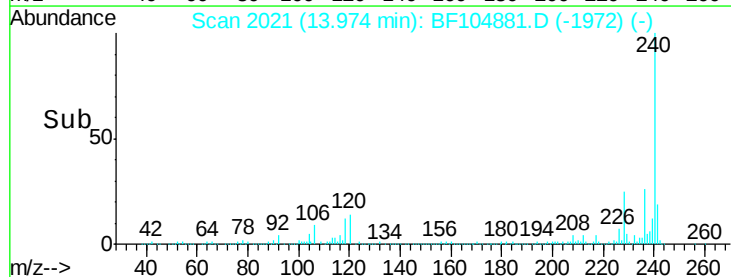
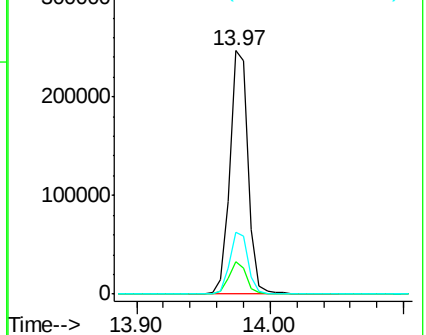
236 25.6 20.7 31.1

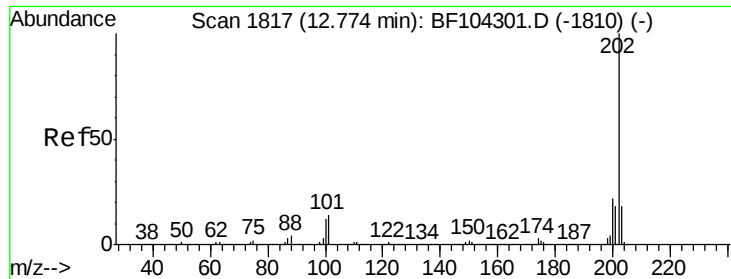


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

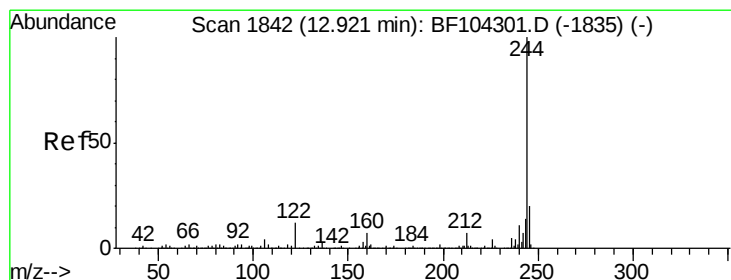
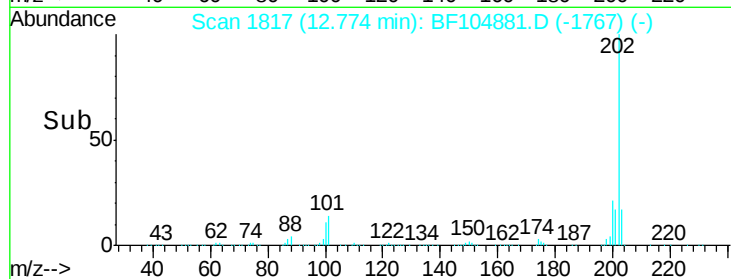
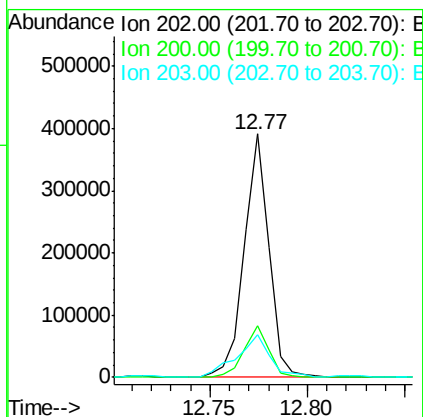
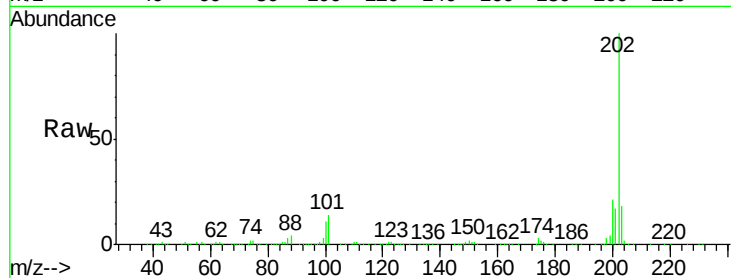
Ion 236.00 (235.70 to 236.70): E





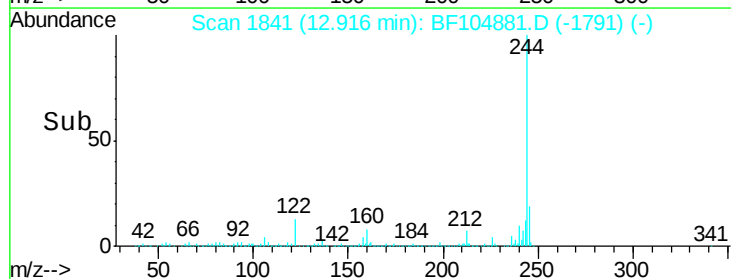
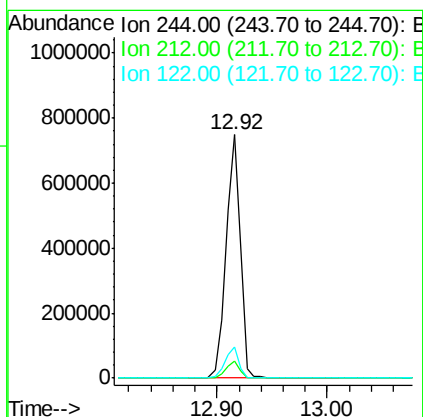
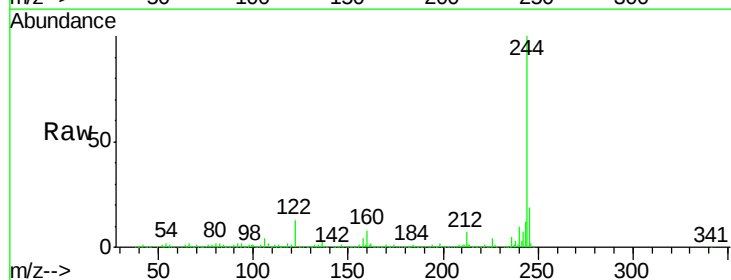
#77
Pvrene
Concen: 19.369 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

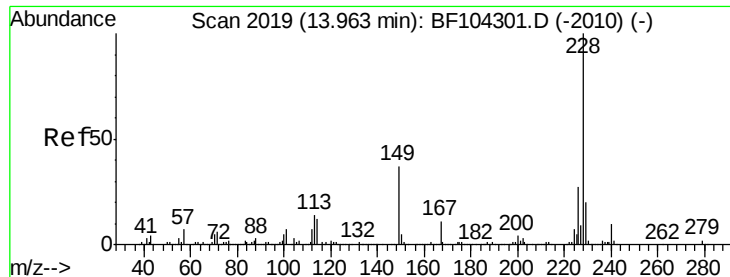
Tot Ion:202 Resp: 342374
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.7 14.3 21.5



#78
Terphenyl-d14
Concen: 64.879 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

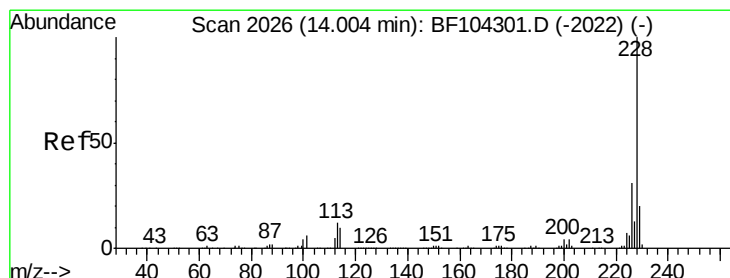
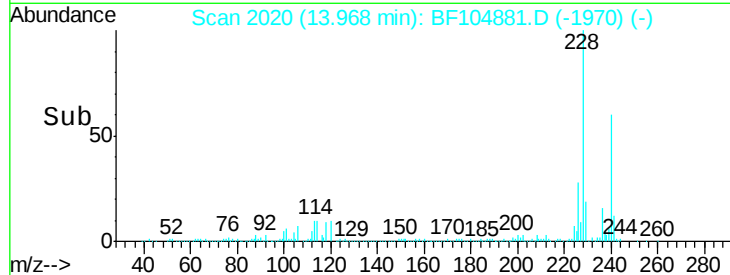
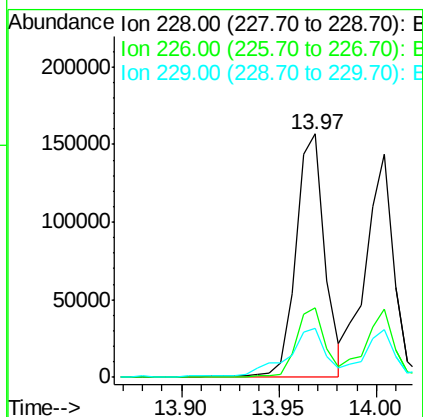
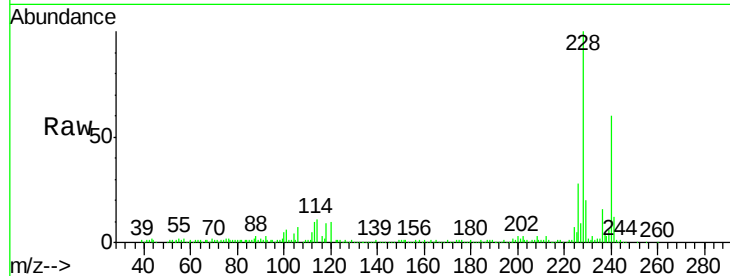
Tgt Ion:244 Resp: 678643
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 12.8 11.0 16.4





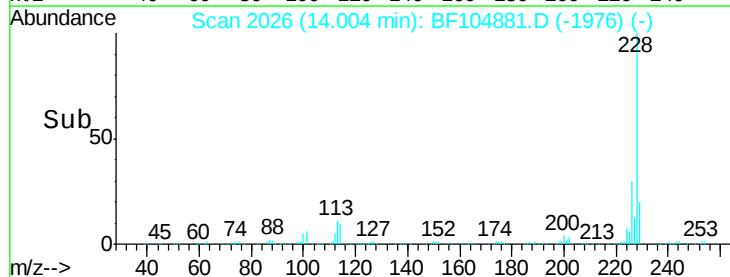
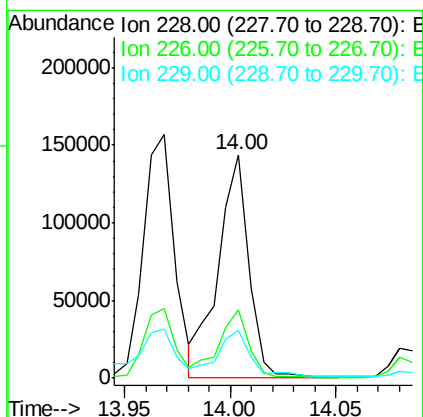
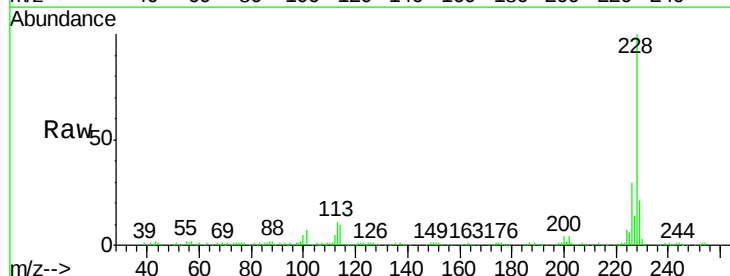
#80
Benzo(a)anthracene
Concen: 11.173 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

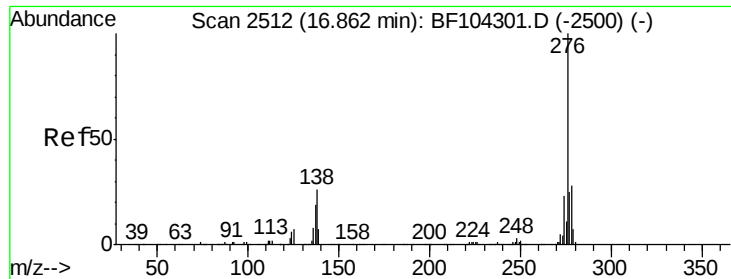
Tot Ion:228 Resp: 159183
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 9.829 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion:228 Resp: 143835
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 21.3 16.2 24.4

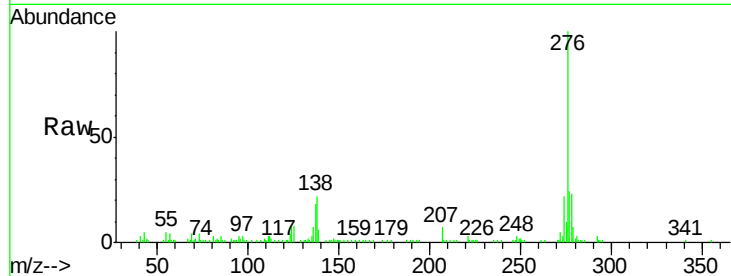




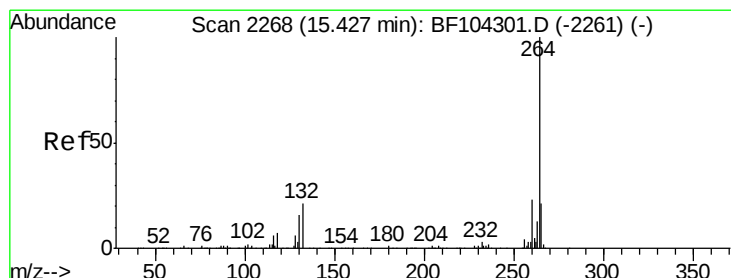
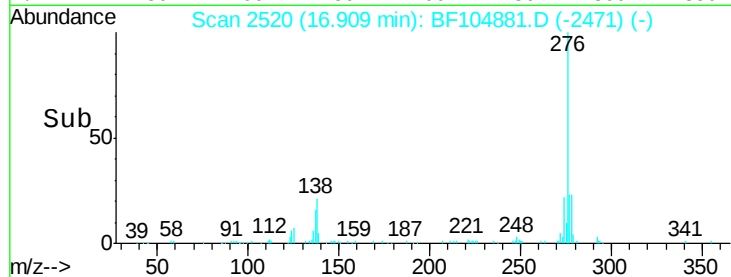
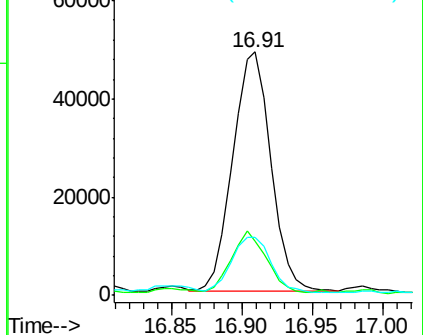
#85

Indeno(1,2,3-cd)pyrene
Concen: 7.371 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	24.9	20.1	30.1



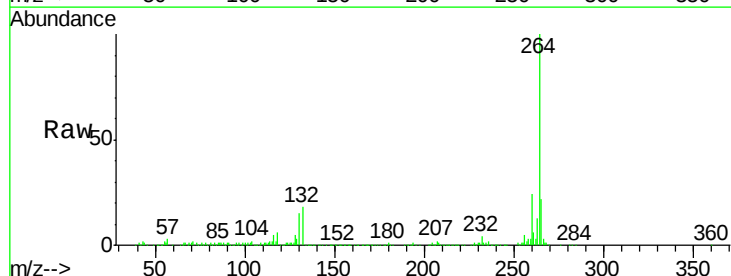
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



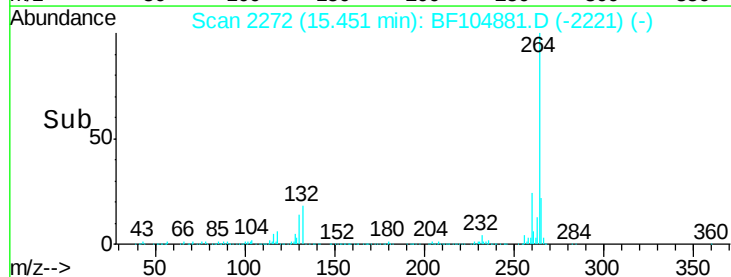
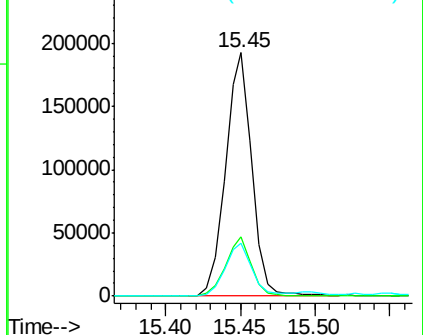
#86

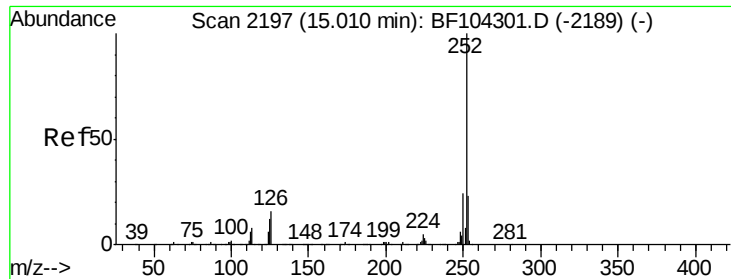
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 16.088 ng

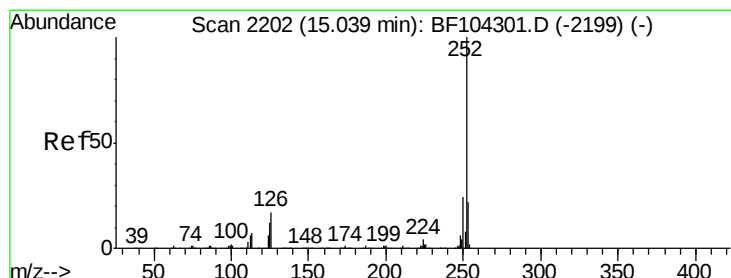
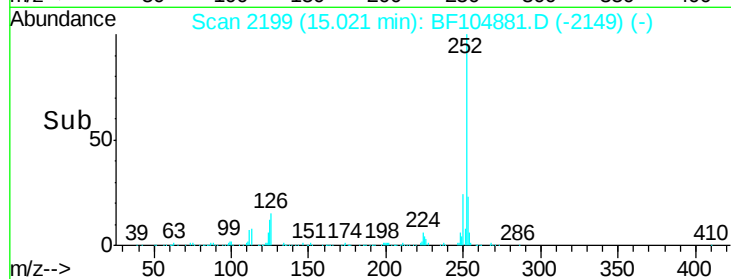
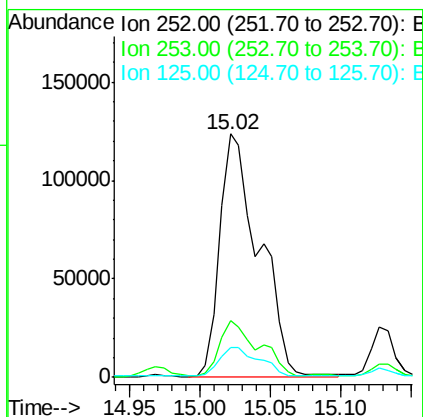
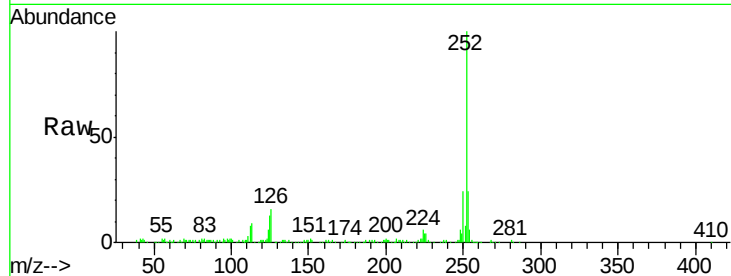
RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.5	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 17.041 ng

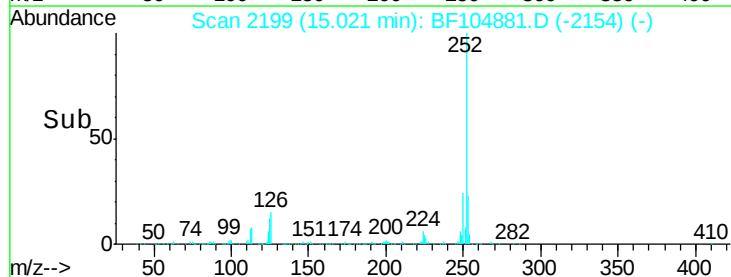
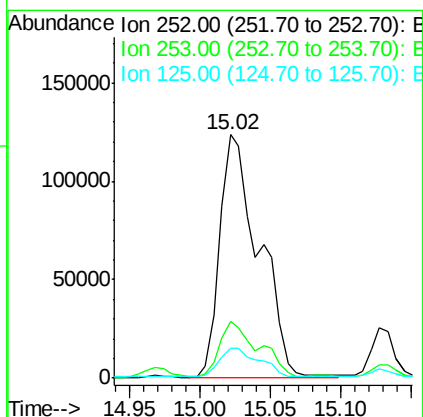
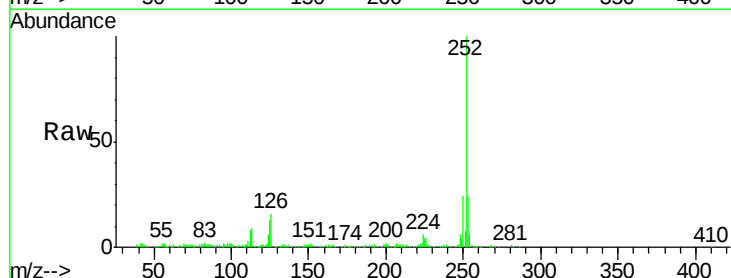
RT: 15.02 min Scan# 2199

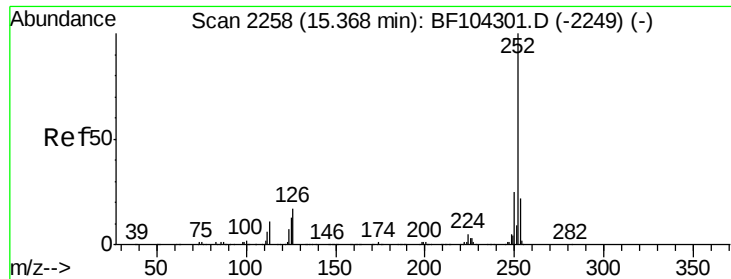
Delta R.T. -0.04 min

Lab File: BF104881.D

Acq: 27 Apr 2018 15:16

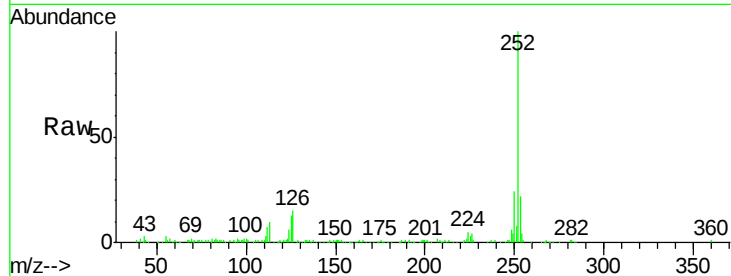
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.5	10.2	15.2



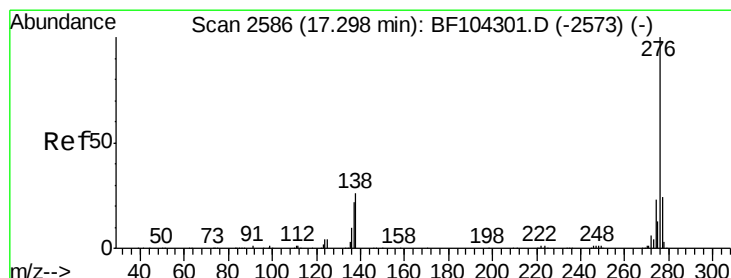
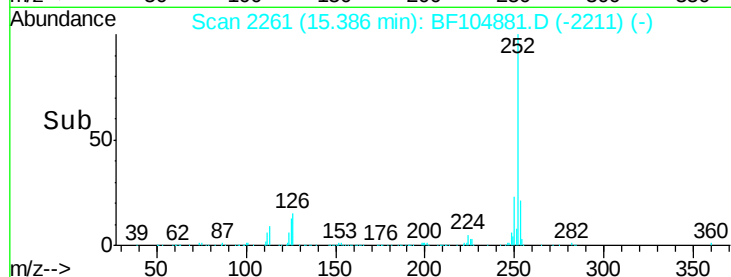
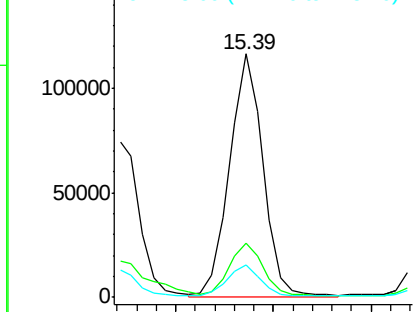


#89
Benzo(a)pyrene
Concen: 10.206 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.4	9.8	14.6

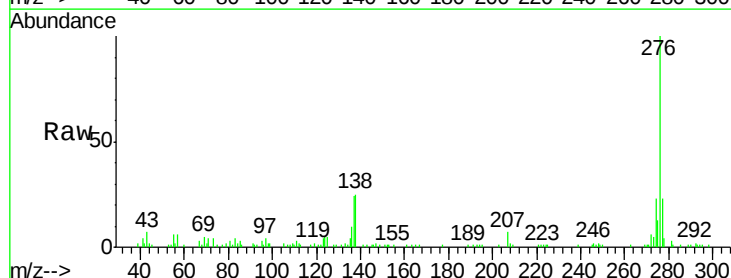


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.716 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF104881.D
Acq: 27 Apr 2018 15:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	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

