

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104912.D
 Acq On : 28 Apr 2018 6:08
 Operator : JU/SJ
 Sample : J2520-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 28 06:40:23 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	111276	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	435356	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	184391	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	279737	20.00	ng	0.00
75) Chrysene-d12	13.98	240	209913	20.00	ng	0.00
86) Perylene-d12	15.46	264	147663	20.00	ng	0.00

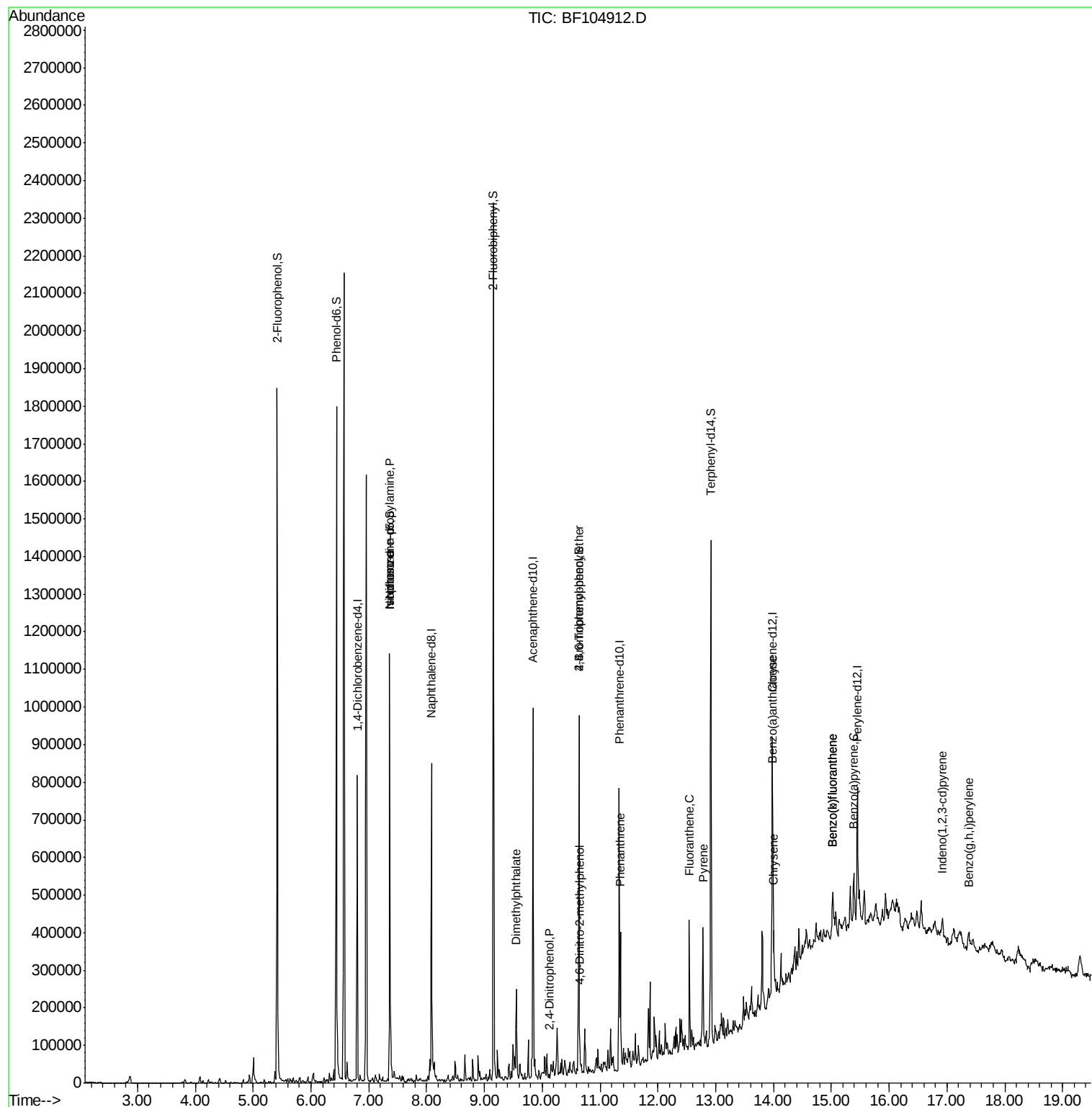
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	568160	78.07	ng	0.00
7) Phenol-d6	6.44	99	688127	76.96	ng	0.00
23) Nitrobenzene-d5	7.36	82	418674	62.80	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	120926	63.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	685494	58.73	ng	0.00
78) Terphenyl-d14	12.92	244	412874	44.84	ng	0.00

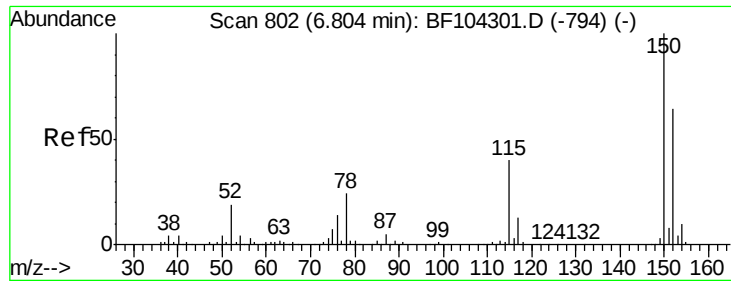
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	3404	Below Cal	#	87
19) n-Nitroso-di-n-propylamine	7.36	70	55946	9.57 ng	#	74
25) Isophorone	7.36	82	418728	29.70 ng	#	64
49) Dimethylphthalate	9.55	163	77583	5.34 ng		98
53) 2,4-Dinitrophenol	10.12	184	106	5.27 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.65	198	336	7.56 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	7735	2.60 ng	#	1
70) Phenanthrene	11.35	178	135832	8.72 ng		99
74) Fluoranthene	12.55	202	120536	7.41 ng		99
76) Benzidine	12.65	184	231	Below Cal	#	1
77) Pyrene	12.78	202	106846	6.87 ng		99
80) Benzo(a)anthracene	13.97	228	51597	4.11 ng	#	94
82) Chrysene	14.00	228	67057	5.21 ng		94
85) Indeno(1,2,3-cd)pyrene	16.92	276	34853	3.19 ng		96
87) Benzo(b)fluoranthene	15.02	252	91849	9.85 ng	#	91
88) Benzo(k)fluoranthene	15.02	252	91849	10.43 ng	#	94
89) Benzo(a)pyrene	15.39	252	52244	6.26 ng	#	89
91) Benzo(g,h,i)perylene	17.37	276	42805	6.45 ng	#	94

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

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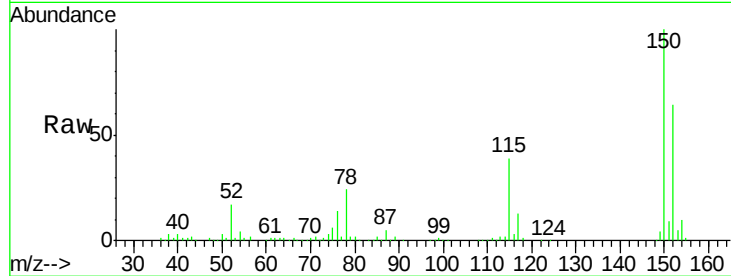




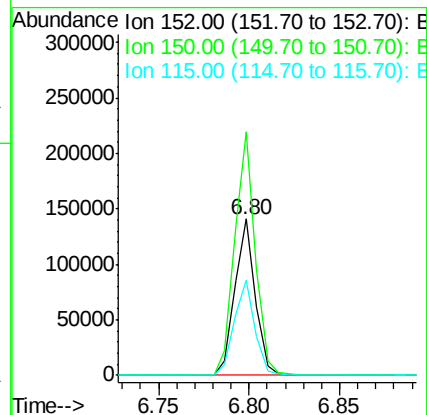
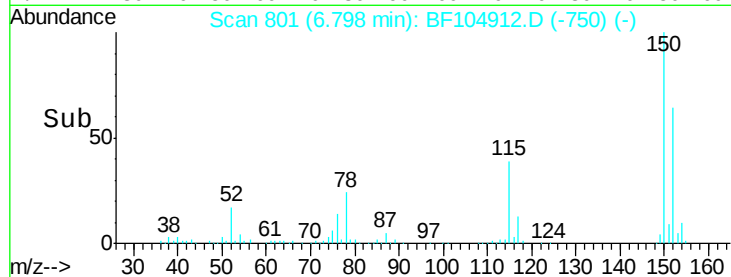
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:152 Resp: 111276
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 60.6 50.1 75.1



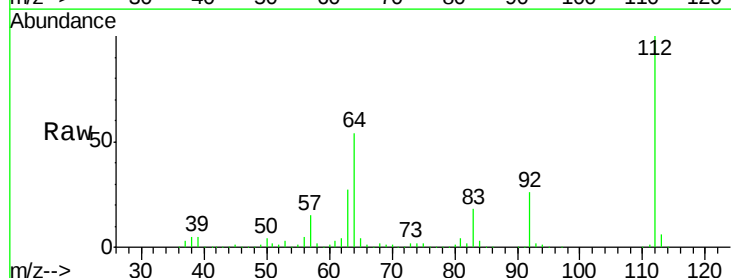
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



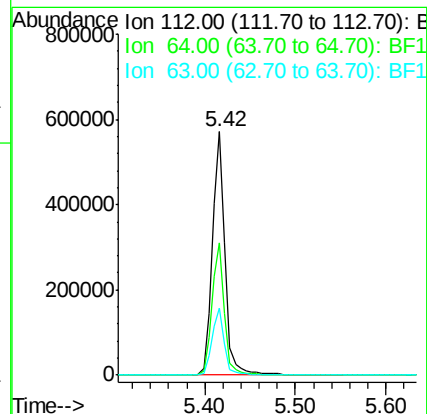
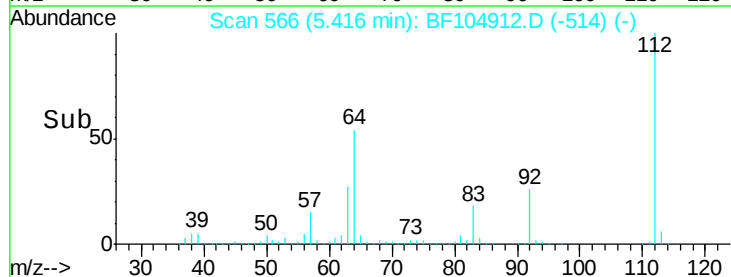
#5

2-Fluorophenol
Concen: 78.07 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:112 Resp: 568160
Ion Ratio Lower Upper
112 100
64 54.1 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: 76.96 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

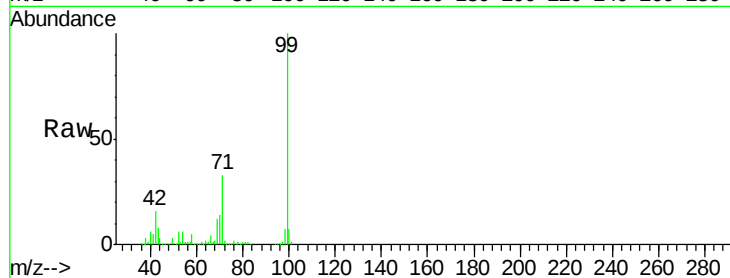
Tot Ion: 99 Resp: 688127

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

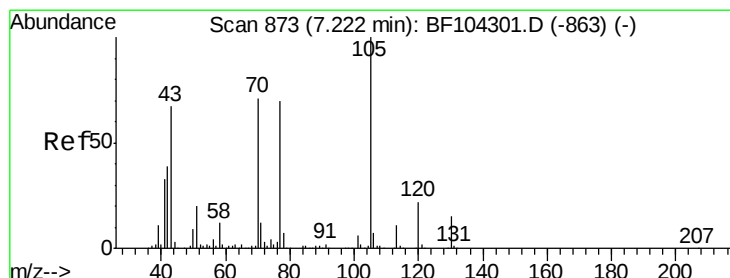
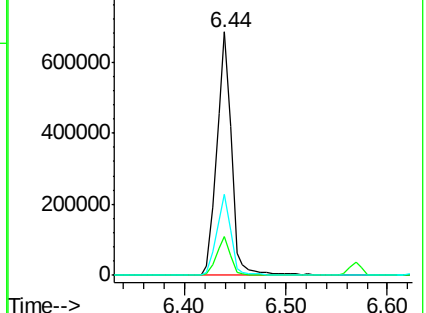
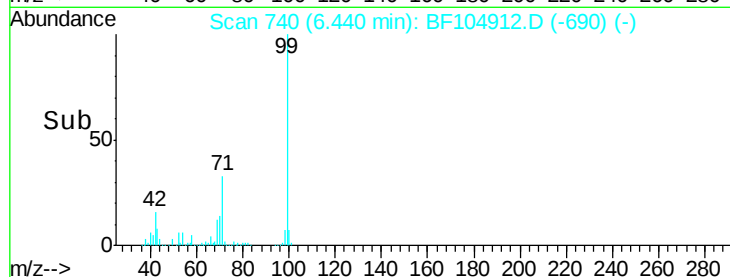
71 33.4 25.4 38.0



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: 9.57 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

Tgt Ion: 70 Resp: 55946

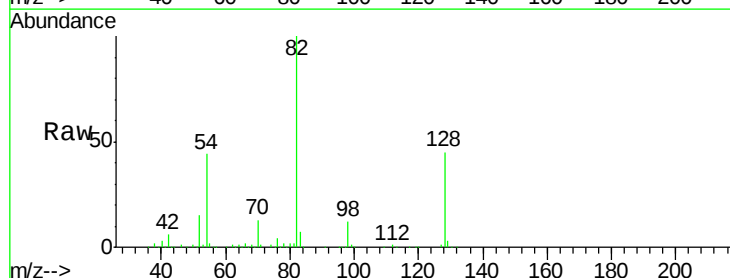
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

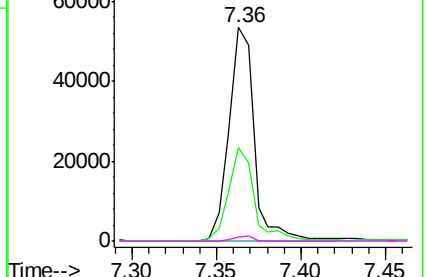
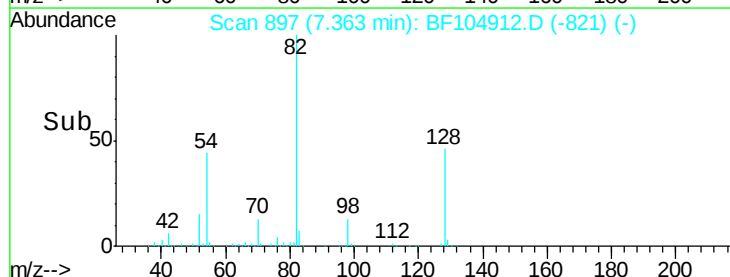


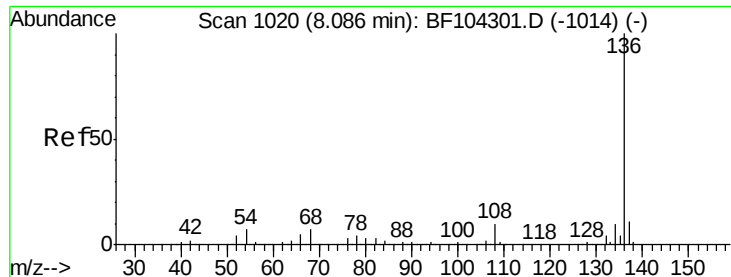
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

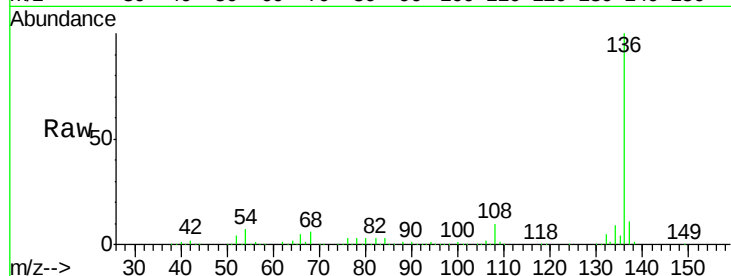
Ion 130.00 (129.70 to 130.70): BF1



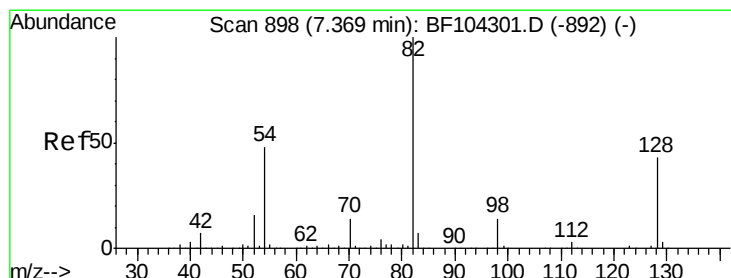
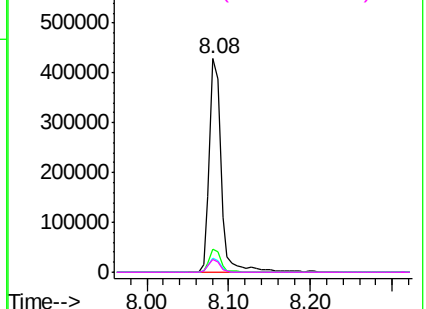
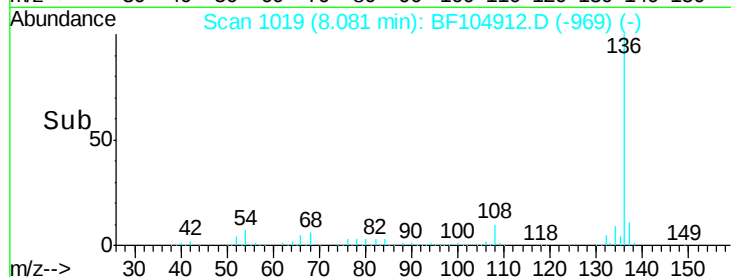


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:136	Resp:	435356
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 6.6	6.6	9.8#
68 6.0	5.0	7.4

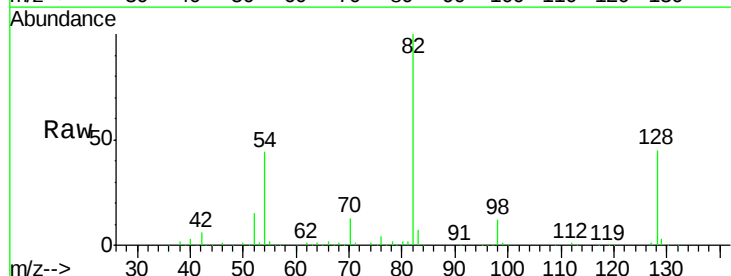


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

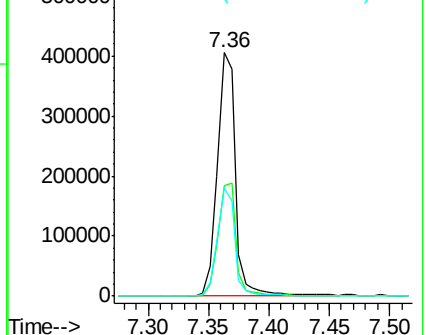
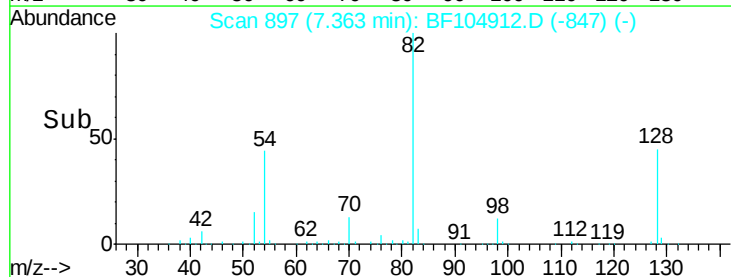


#23
Nitrobenzene-d5
Concen: 62.80 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion: 82	Resp: 418674
Ion Ratio	Lower Upper
82 100	
128 45.5	36.1 54.1
54 44.3	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: 29.70 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

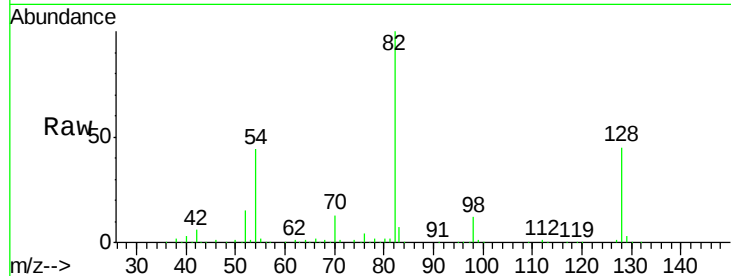
Tot Ion: 82 Resp: 418728

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

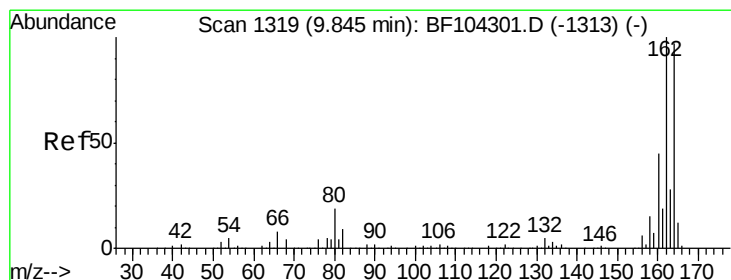
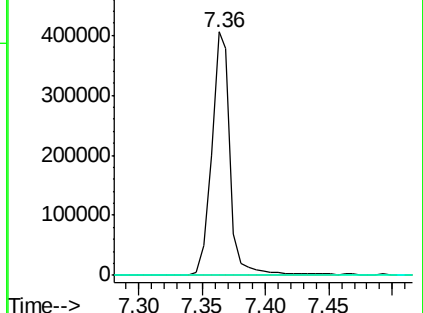
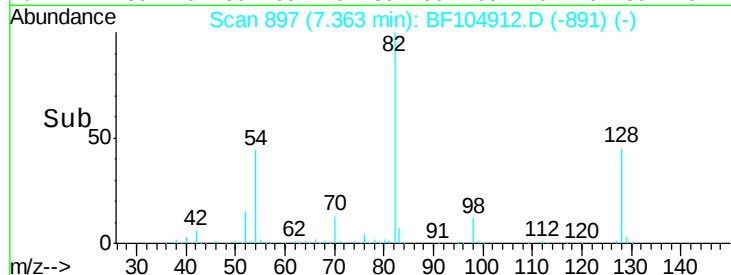
138 0.0 14.9 22.3#



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: BF104912.D

Acq: 28 Apr 2018 6:08

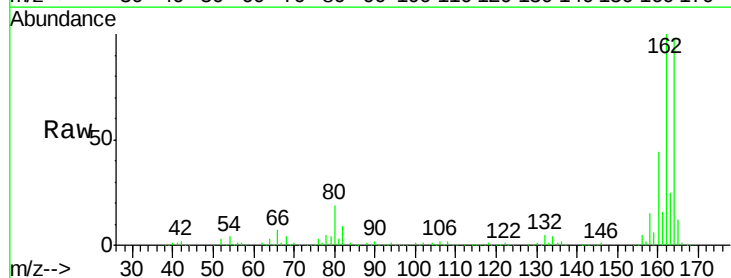
Tgt Ion: 164 Resp: 184391

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

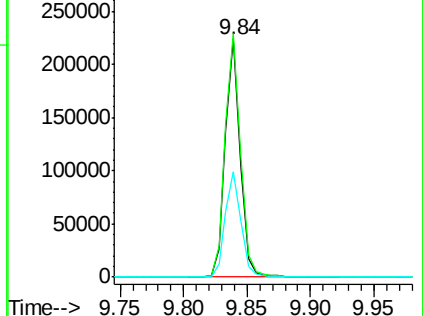
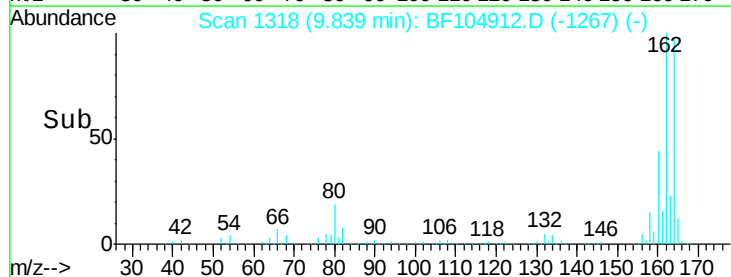
160 44.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

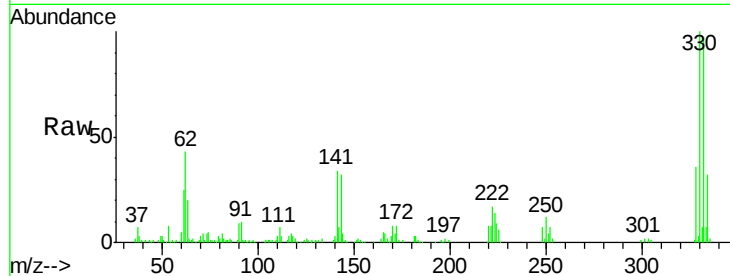
Ion 160.00 (159.70 to 160.70): E



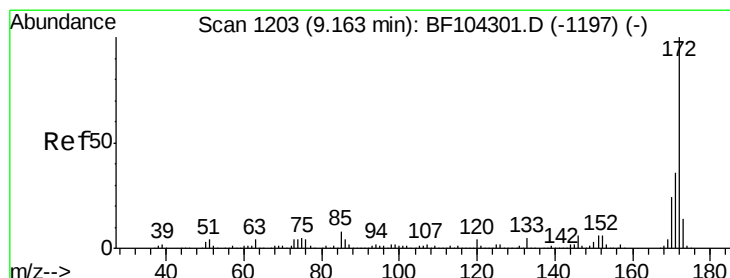
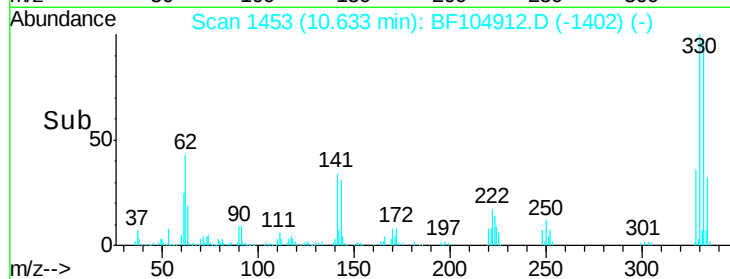
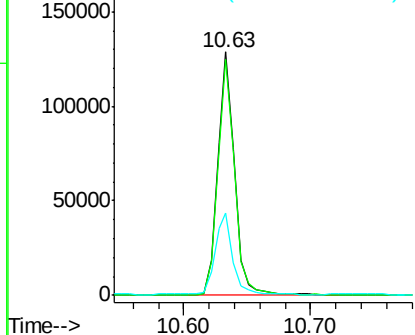


#41
 2,4,6-Tribromophenol
 Concen: 63.22 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	34.7	29.9	44.9

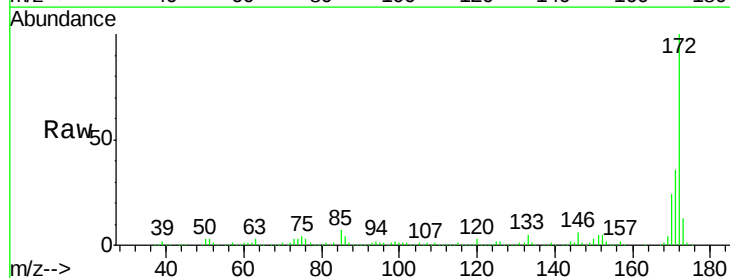


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

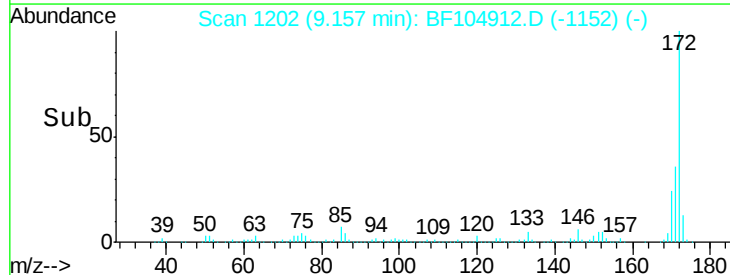
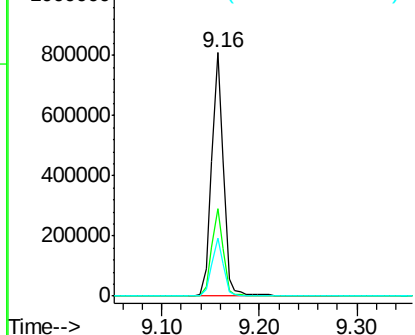


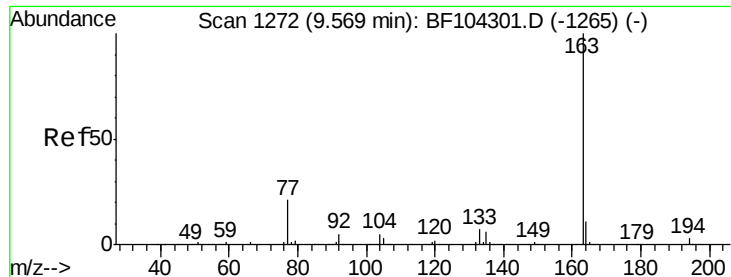
#44
 2-Fluorobiphenyl
 Concen: 58.73 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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: 5.34 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

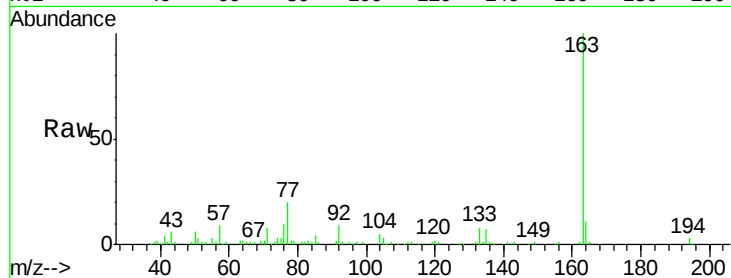
Tot Ion:163 Resp: 77583

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

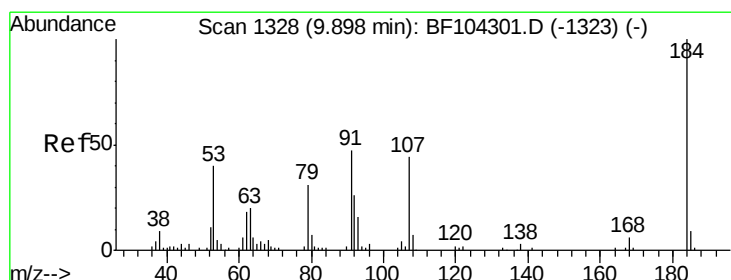
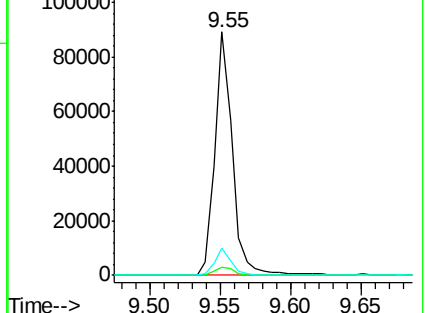
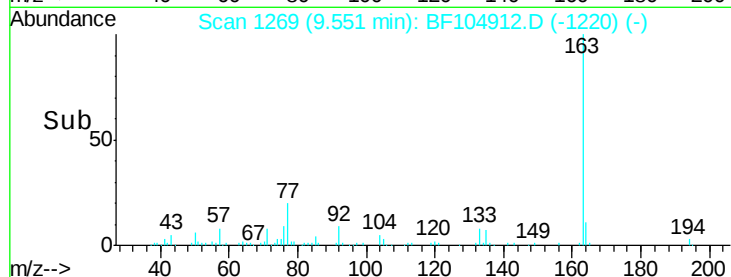
164 11.1 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 5.27 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.21 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

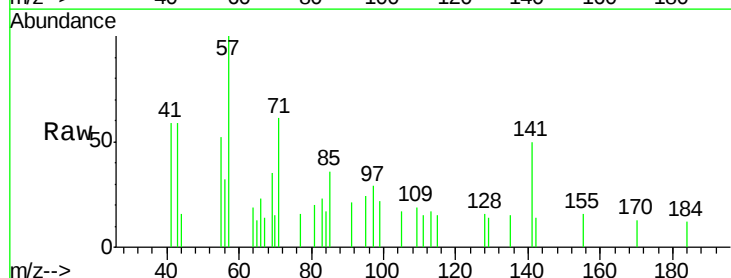
Tgt Ion:184 Resp: 106

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

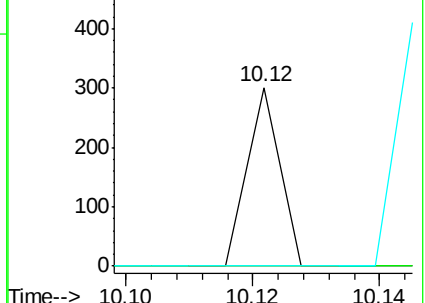
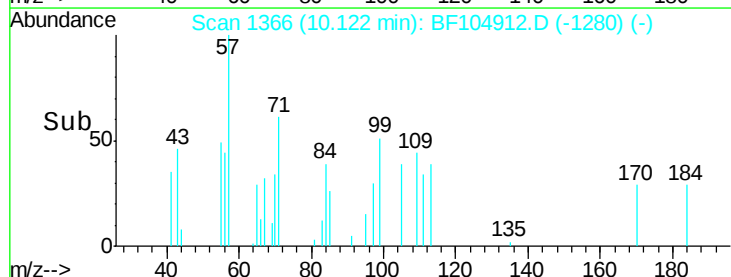
154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

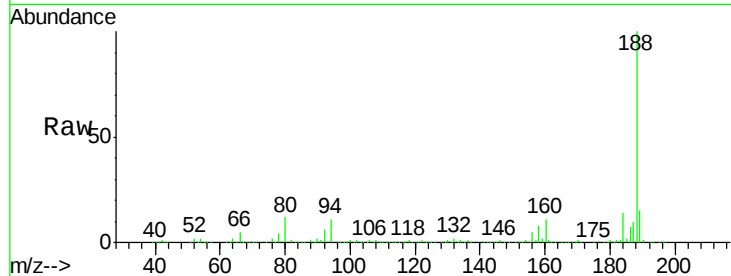
Ion 154.00 (153.70 to 154.70): E





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

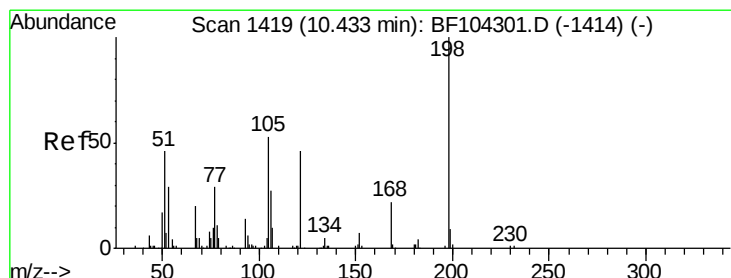
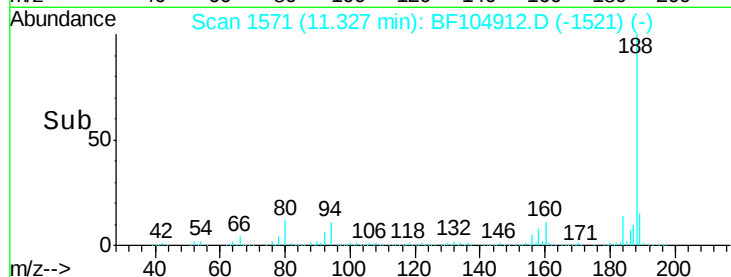
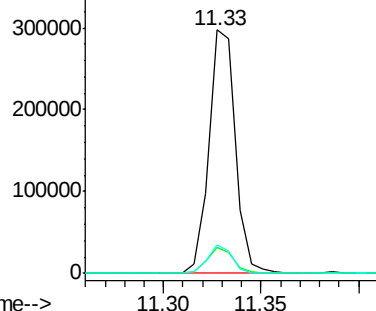
Tot Ion:188	Resp: 279737
Ion Ratio	Lower Upper
188 100	
94 10.9	8.5 12.7
80 11.9	9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

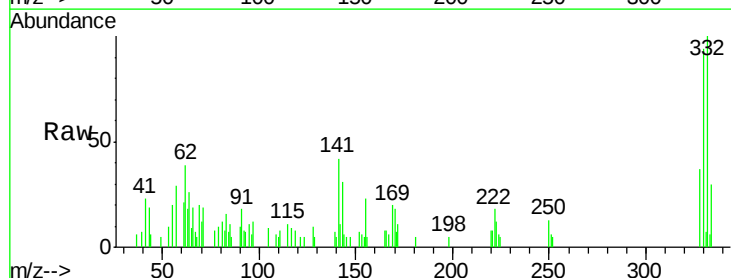
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
4,6-Dinitro-2-methylphenol
Concen: 7.56 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.20 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

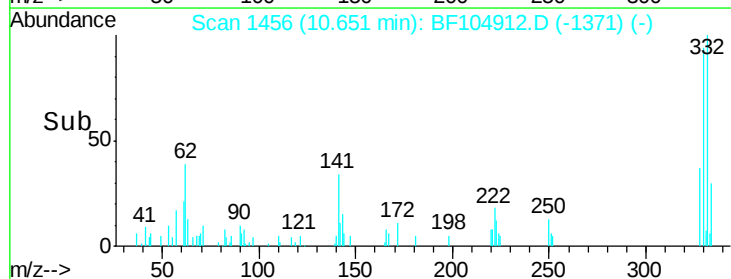
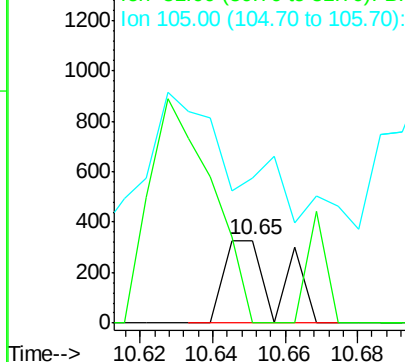
Tgt	Ion:198	Resp:	336
Ion	Ratio	Lower	Upper
198	100		
51	0.0	37.7	77.7#
105	176.5	36.3	76.3#

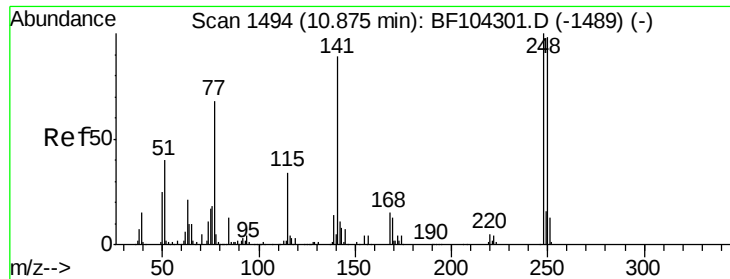


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

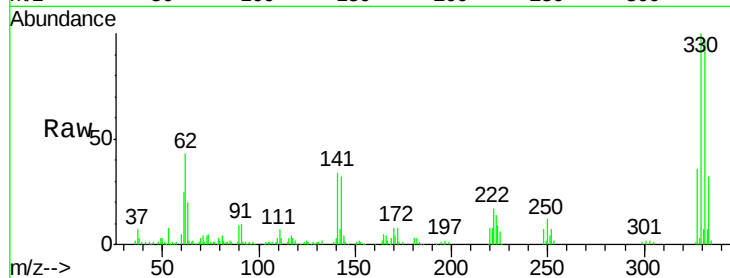
Ion 105.00 (104.70 to 105.70): E



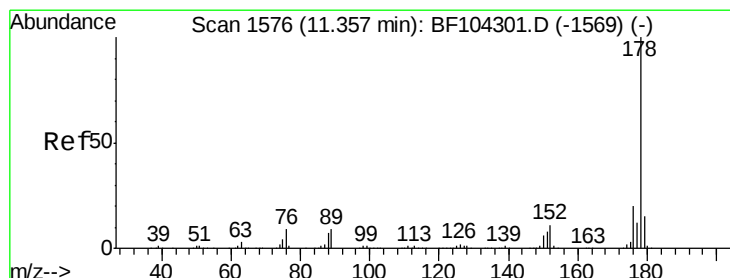
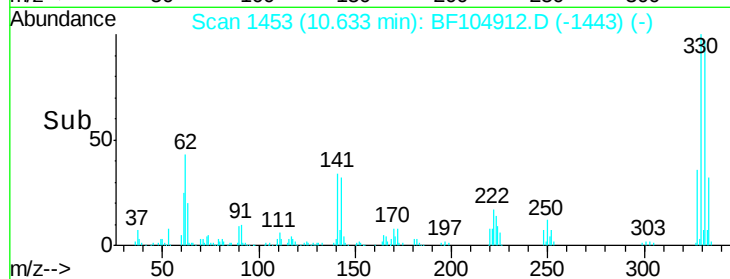
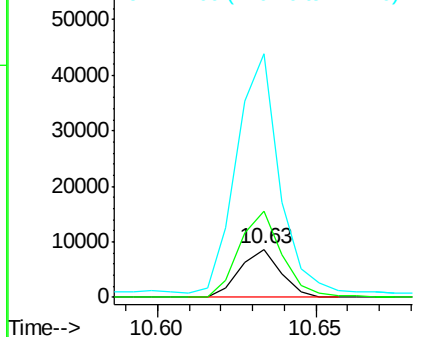


#66
 4-Bromophenyl-phenylether
 Concen: 2.60 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tot Ion	Ratio	Lower	Upper
248	100		
250	176.9	76.9	115.3#
141	503.2	74.4	111.6#

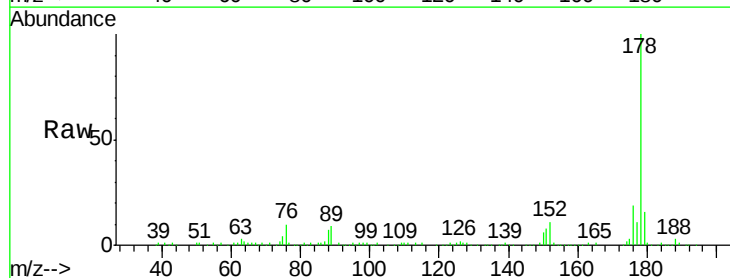


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

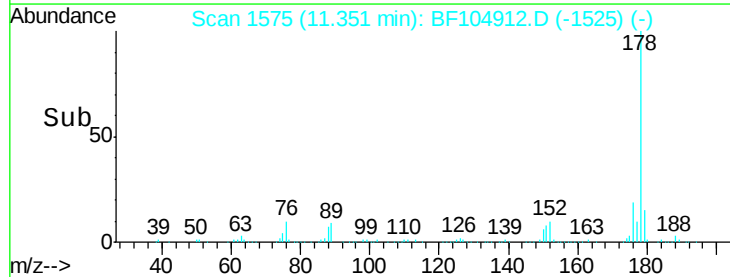
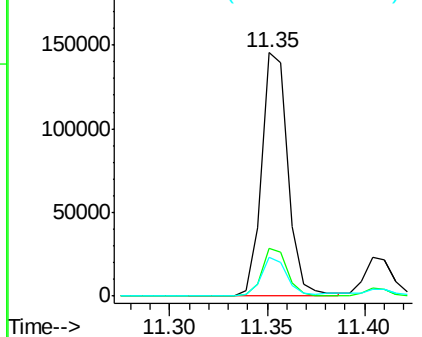


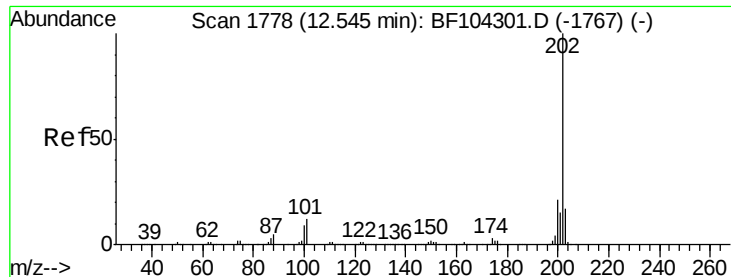
#70
 Phenanthrene
 Concen: 8.72 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	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: 7.41 ng

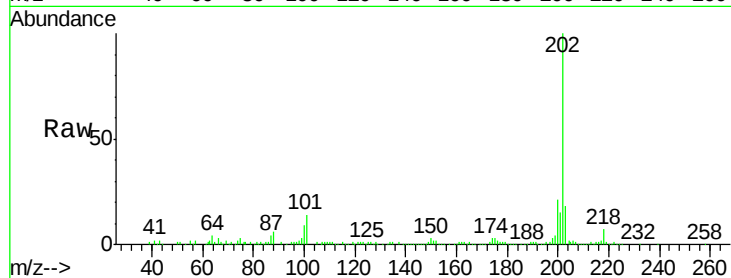
RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

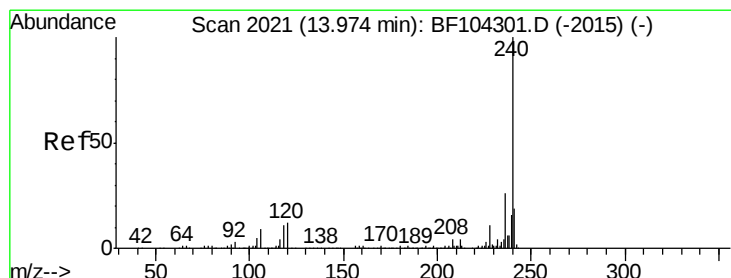
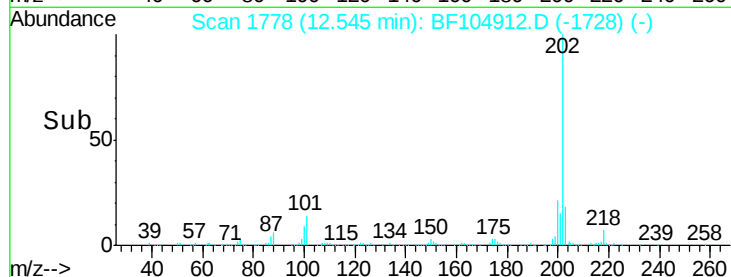
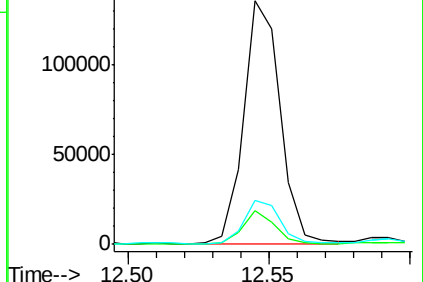
Tot Ion:	202	Resp:	120536
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.9	0.0	38.1



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: 20.00 ng

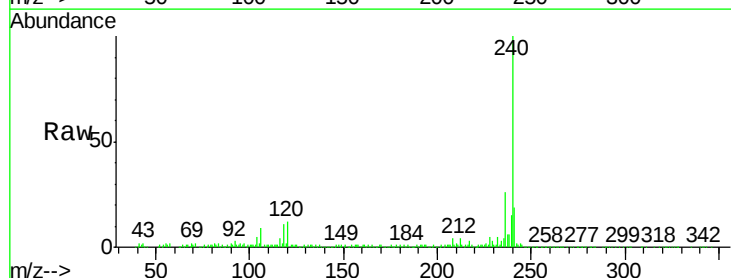
RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

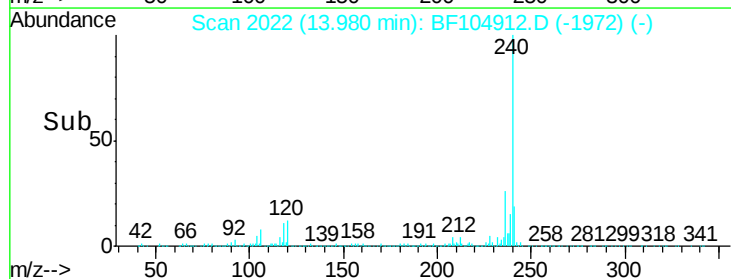
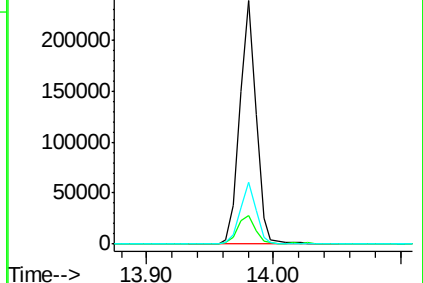
Tgt Ion:	240	Resp:	209913
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.6	20.7	31.1

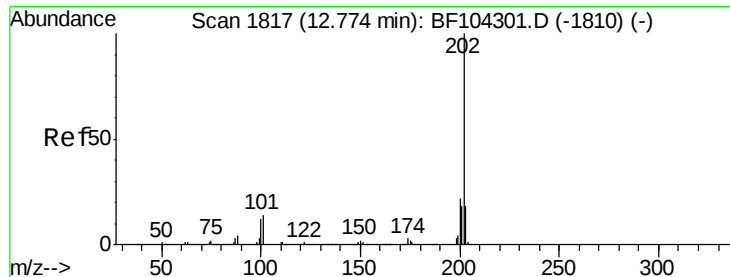


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

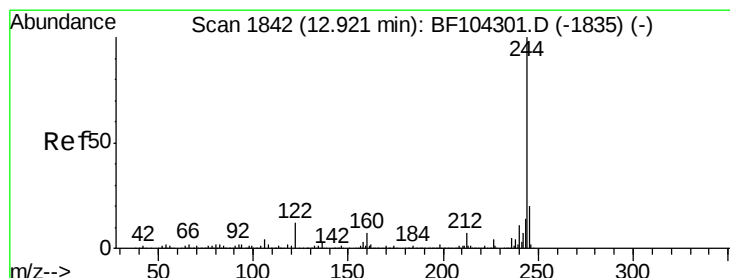
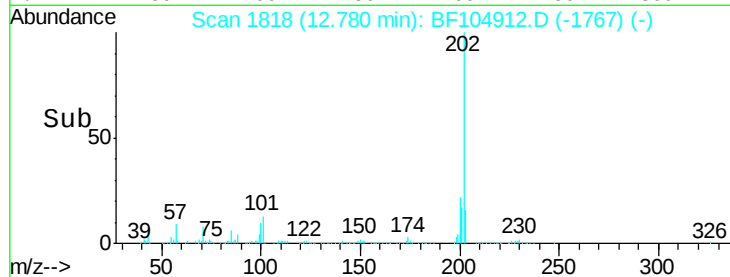
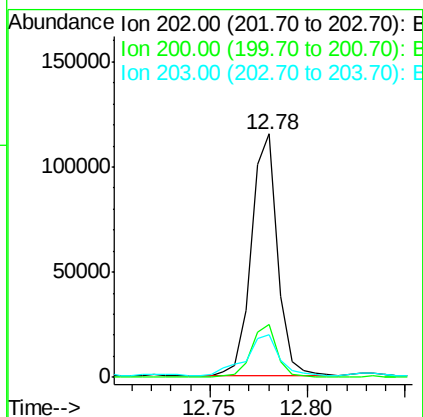
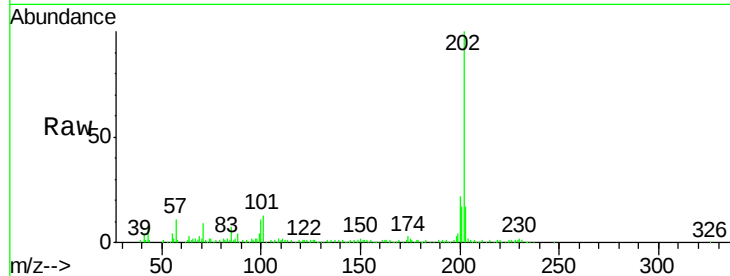
Ion 236.00 (235.70 to 236.70): E





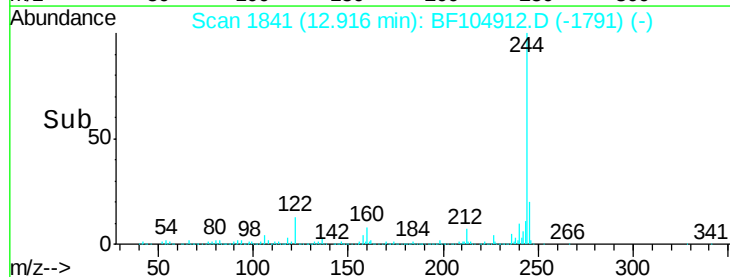
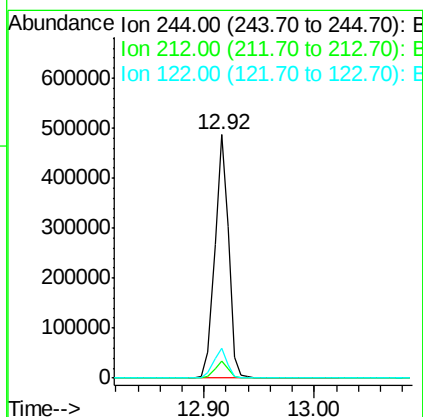
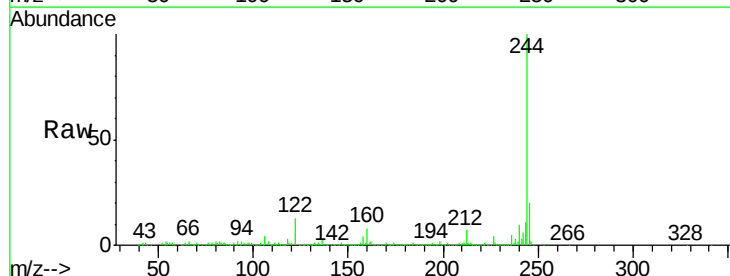
#77
Pvrene
Concen: 6.87 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

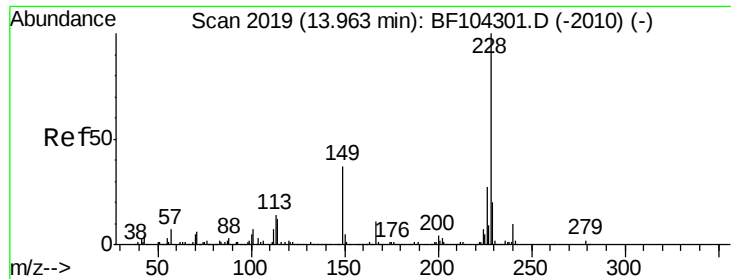
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.4	14.3	21.5



#78
Terphenyl-d14
Concen: 44.84 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

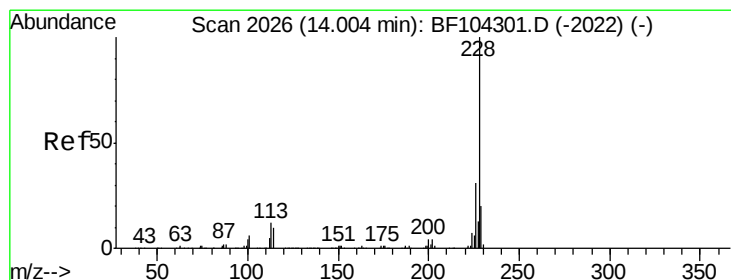
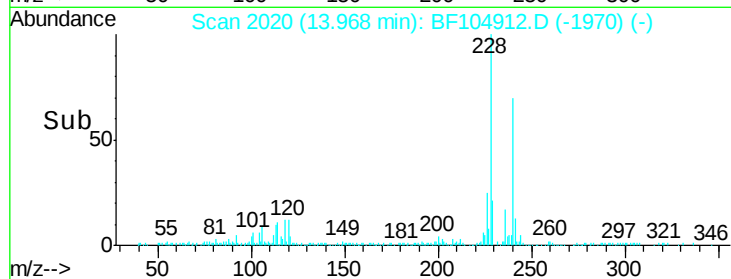
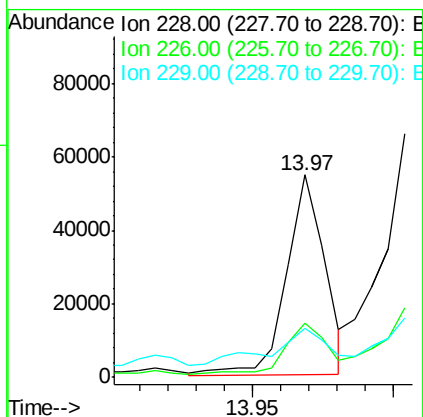
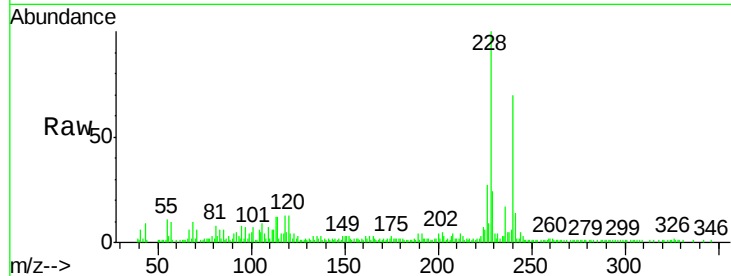
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4





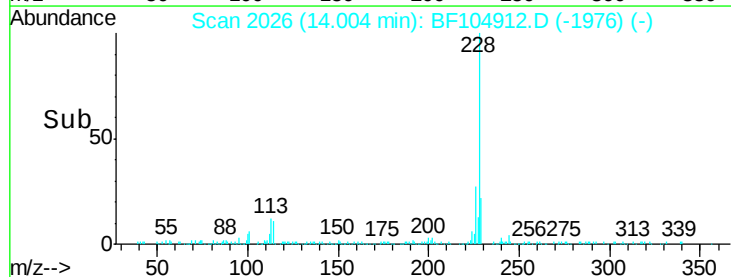
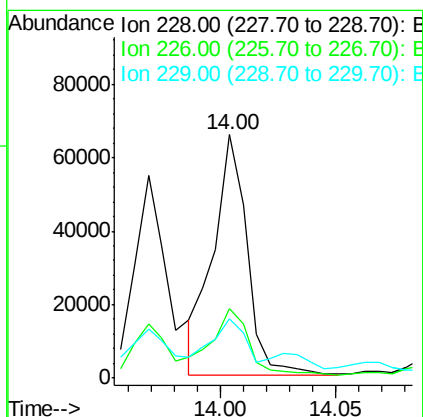
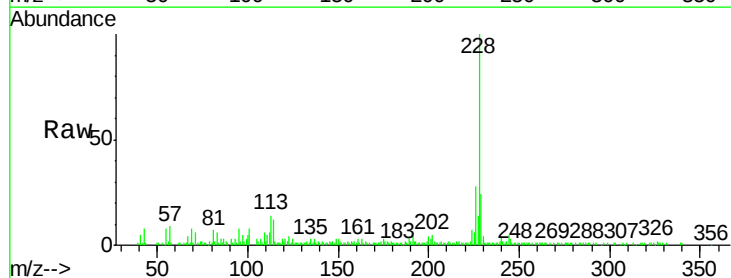
#80
Benzo(a)anthracene
Concen: 4.11 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

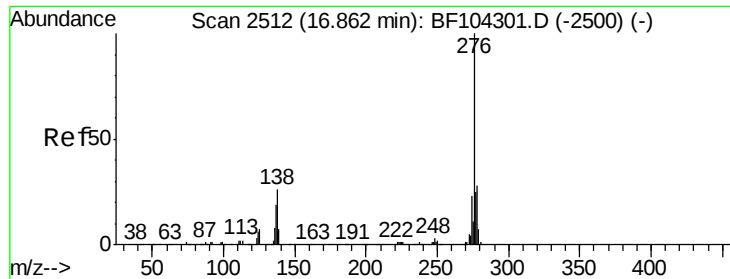
Tot Ion:228 Resp: 51597
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 24.4 15.8 23.6#



#82
Chrysene
Concen: 5.21 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:228 Resp: 67057
Ion Ratio Lower Upper
228 100
226 28.5 25.0 37.6
229 24.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.19 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

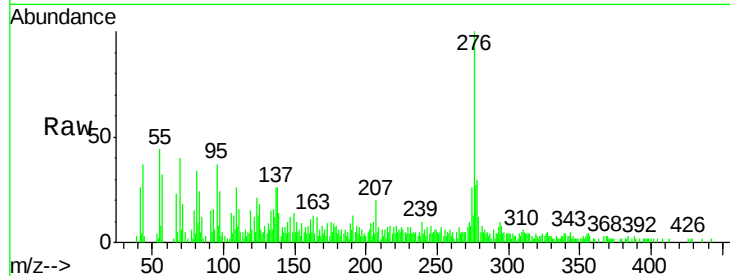
Tot Ion:276 Resp: 34853

Ion Ratio Lower Upper

276 100

138 27.9 25.0 37.6

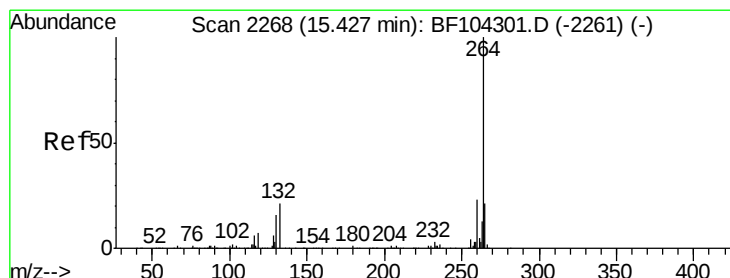
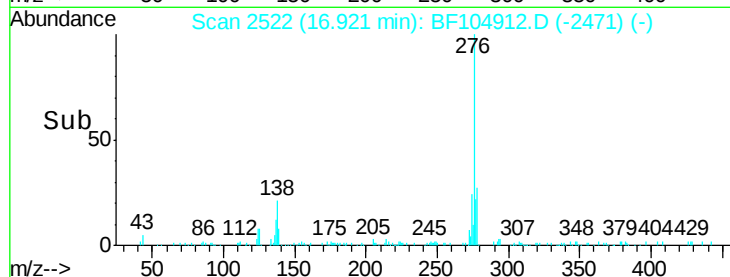
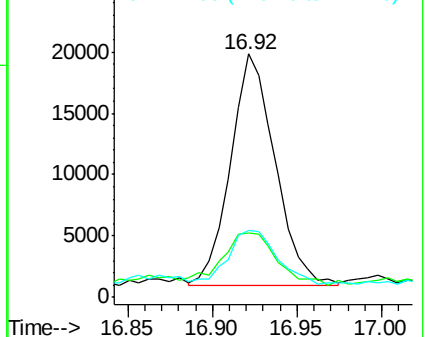
277 24.4 20.1 30.1



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: 20.00 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

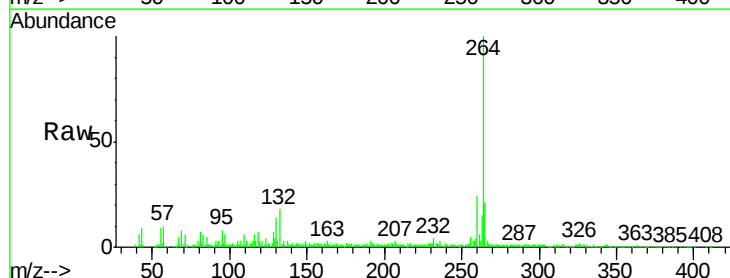
Tgt Ion:264 Resp: 147663

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

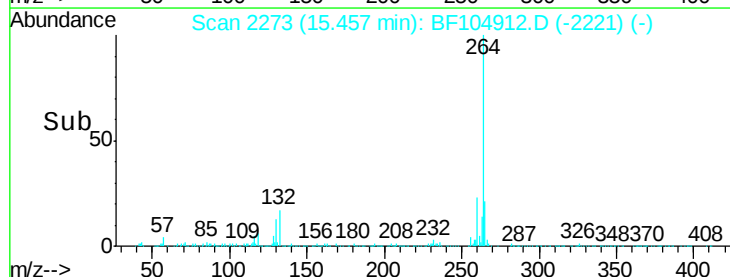
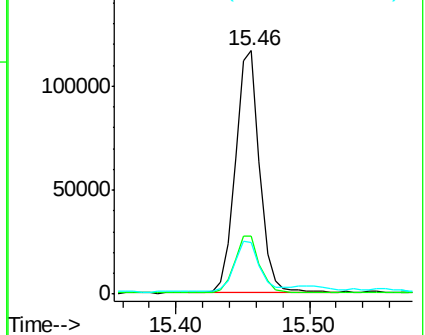
265 21.4 17.5 26.3

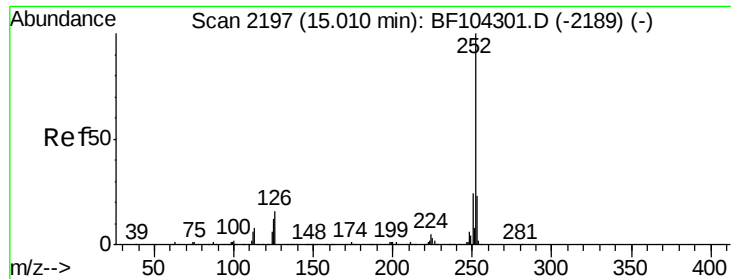


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.85 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

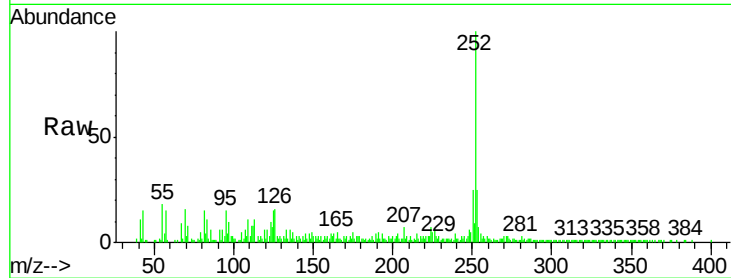
Tot Ion:252 Resp: 91849

Ion Ratio Lower Upper

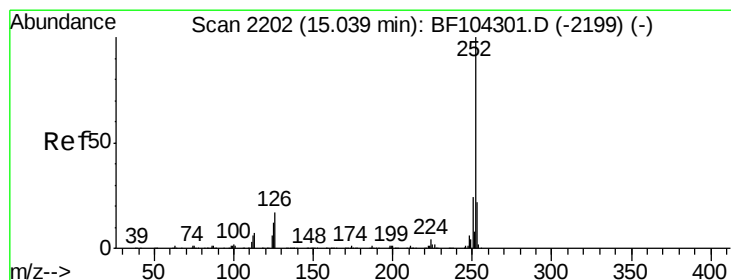
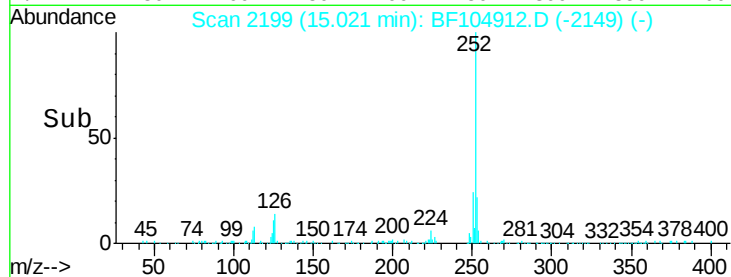
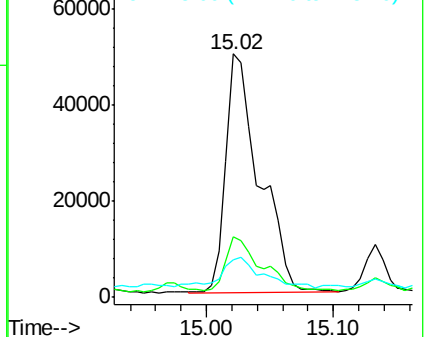
252 100

253 24.8 17.0 25.6

125 15.5 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: 10.43 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

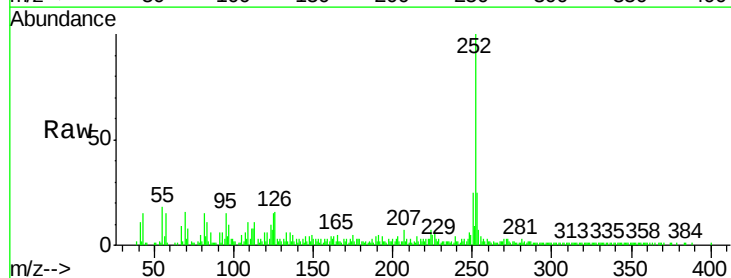
Tgt Ion:252 Resp: 91849

Ion Ratio Lower Upper

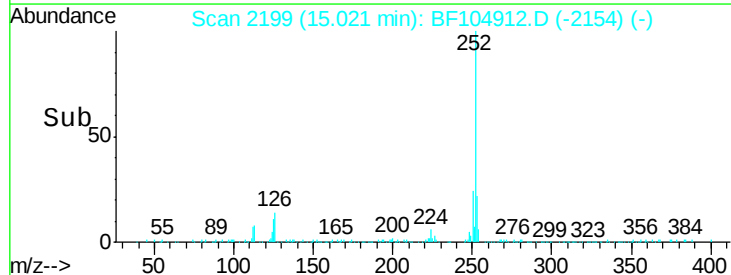
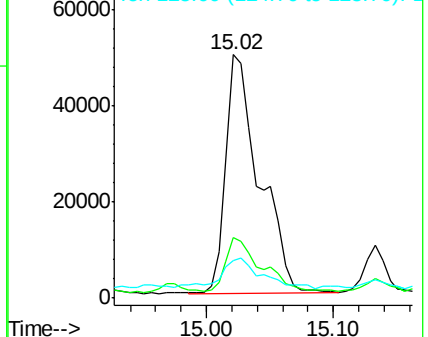
252 100

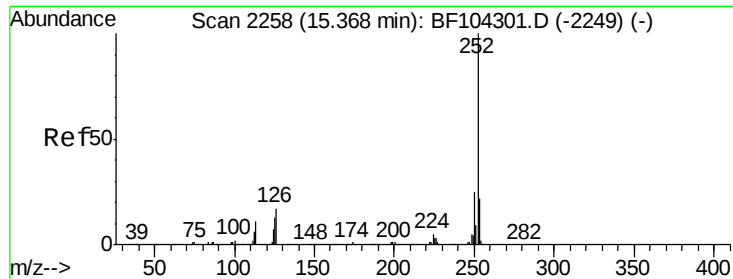
253 24.8 17.9 26.9

125 15.5 10.2 15.2#



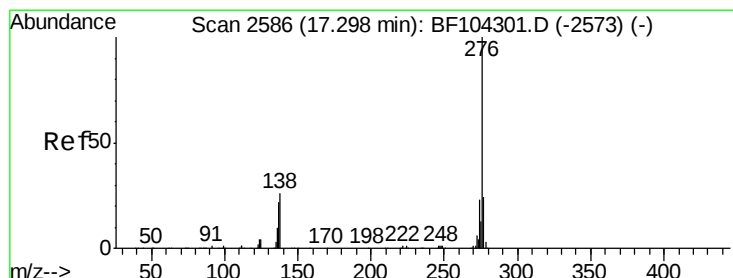
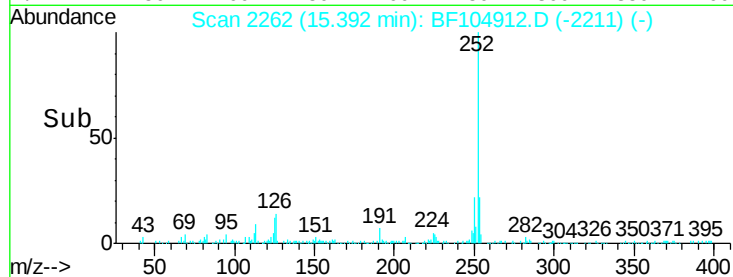
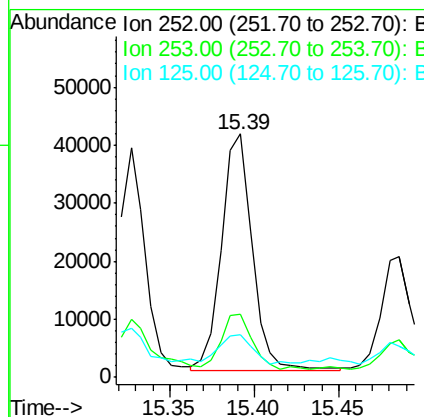
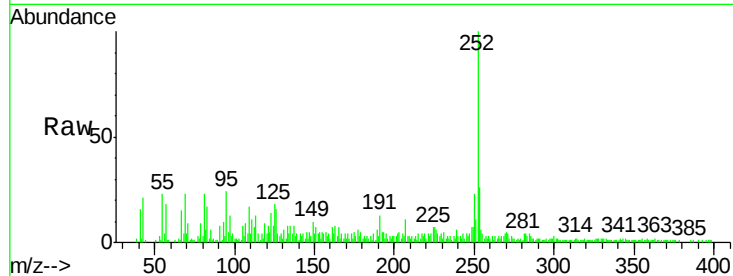
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 6.26 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:252 Resp: 52244
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 17.5 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.45 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:276 Resp: 42805
Ion Ratio Lower Upper
276 100
277 29.0 17.9 26.9#
138 27.2 21.8 32.8

