

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104922.D
 Acq On : 28 Apr 2018 10:32
 Operator : JU/SJ
 Sample : J2574-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

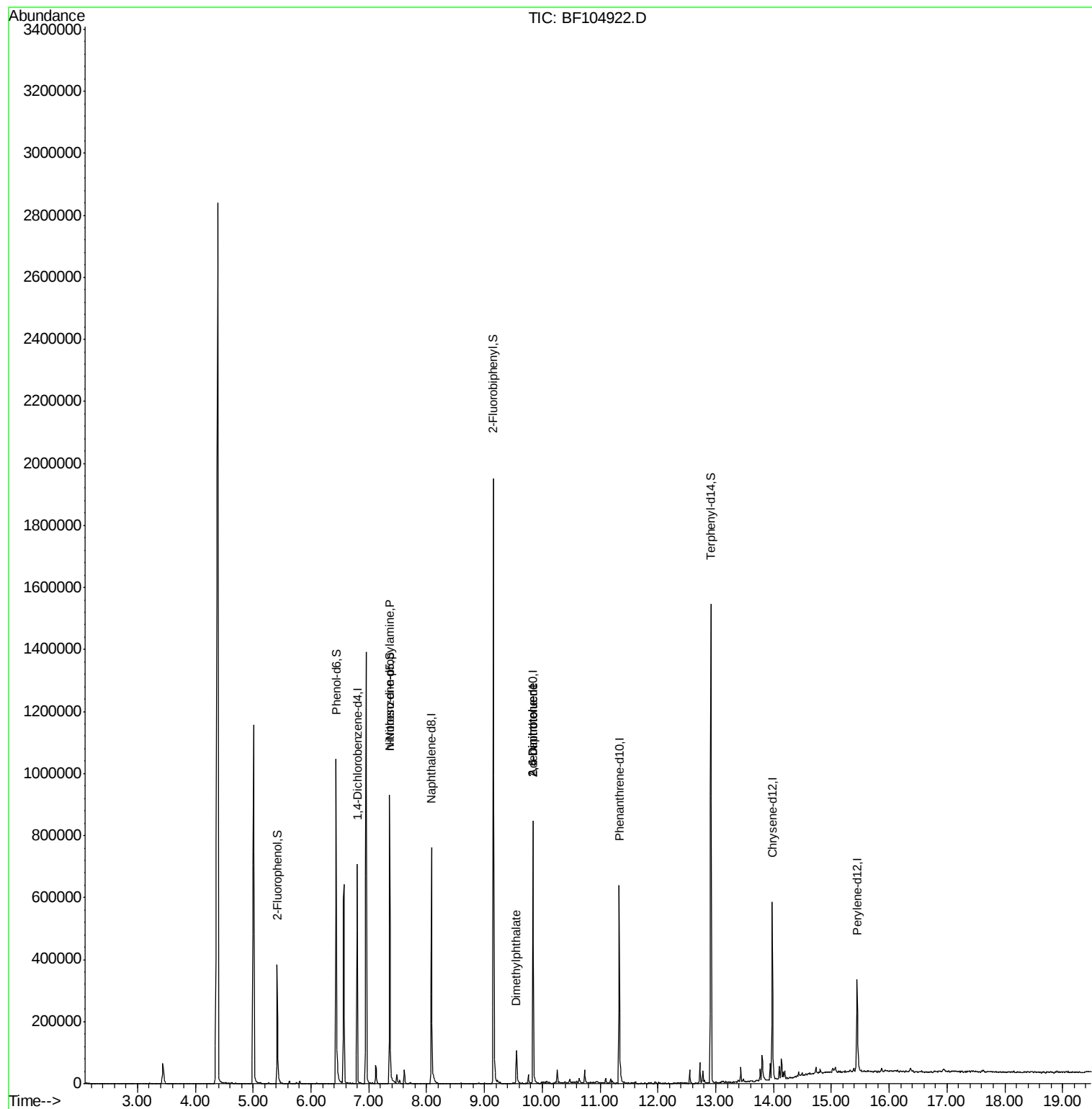
Quant Time: Apr 30 02:27:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

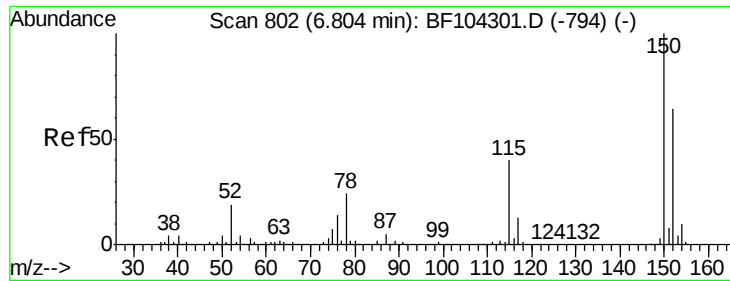
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	100337	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	405591	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	171917	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	275281	20.00	ng	0.00
75) Chrysene-d12	13.98	240	204599	20.00	ng	0.00
86) Perylene-d12	15.45	264	149221	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	132826	20.24	ng	0.00
7) Phenol-d6	6.43	99	405831	50.34	ng	-0.01
23) Nitrobenzene-d5	7.36	82	310553	50.00	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	3219	1.81	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	609449	56.00	ng	0.00
78) Terphenyl-d14	12.92	244	495284	55.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	439	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.36	70	39064	7.415 ng	#	1
49) Dimethylphthalate	9.56	163	64974	4.793 ng	#	74
50) 2,6-Dinitrotoluene	9.84	165	21023	8.380 ng	#	97
56) 2,4-Dinitrotoluene	9.84	165	21023	6.389 ng	#	26
76) Benzidine	12.92	184	6059	Below Cal	#	23
						95

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

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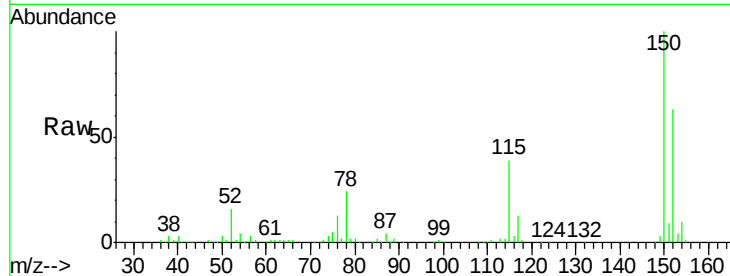




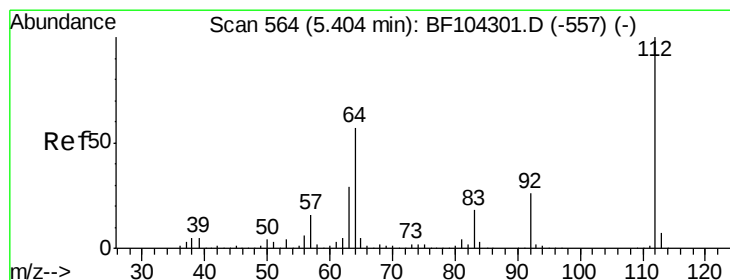
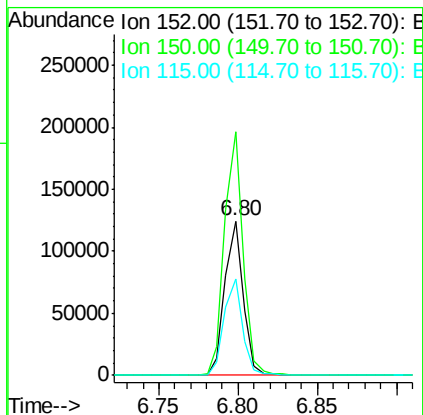
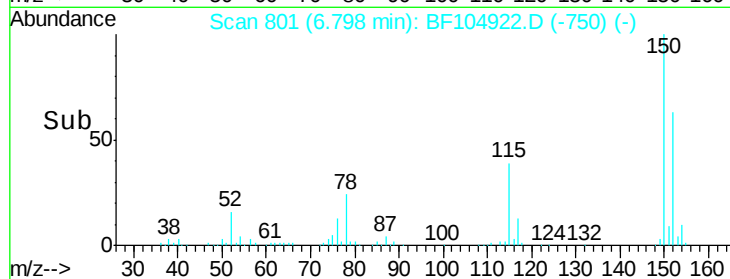
#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104922.D
 Acq: 28 Apr 2018 10:32

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	62.3	50.1	75.1



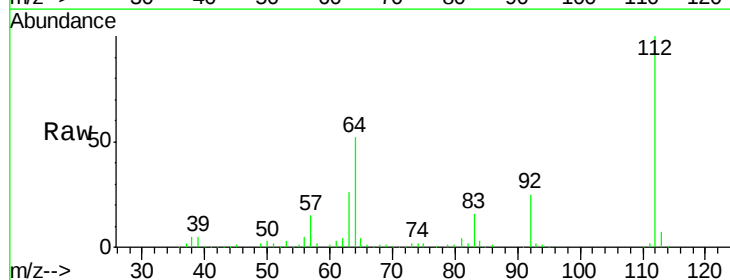
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



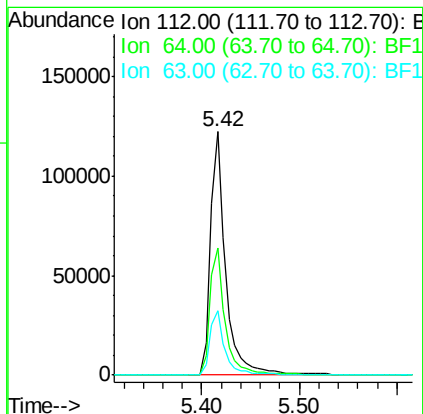
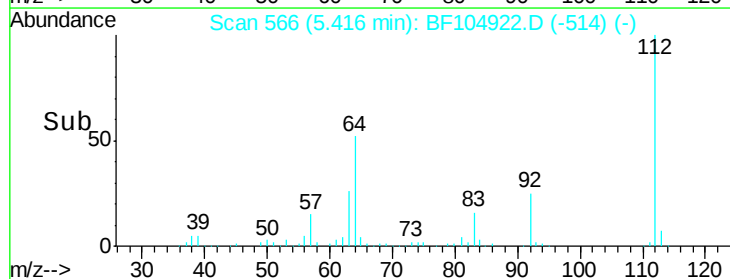
#5

2-Fluorophenol
 Concen: 20.242 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104922.D
 Acq: 28 Apr 2018 10:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	26.4	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: 50.335 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

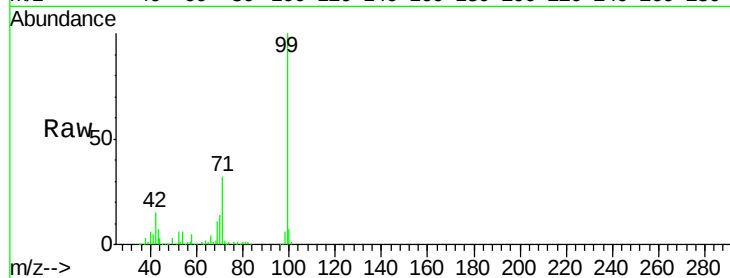
Tot Ion: 99 Resp: 405831

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

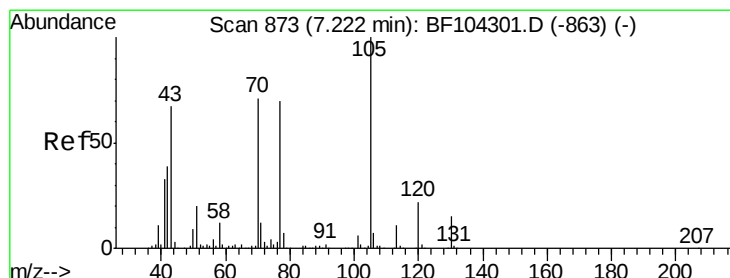
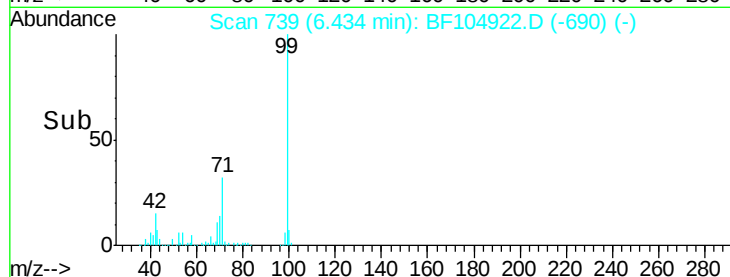
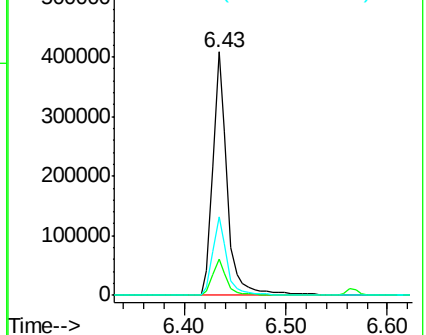
71 32.2 25.4 38.0



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: 7.415 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

Tgt Ion: 70 Resp: 39064

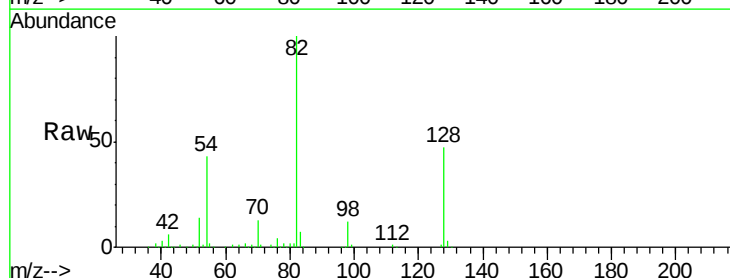
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

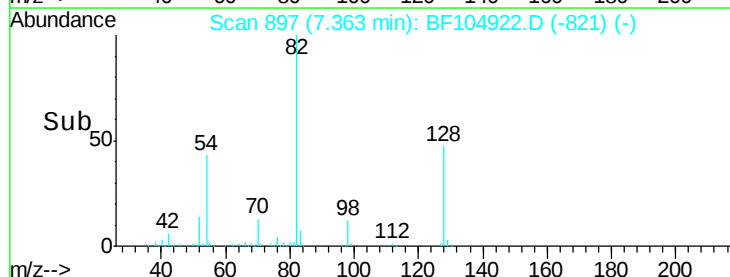
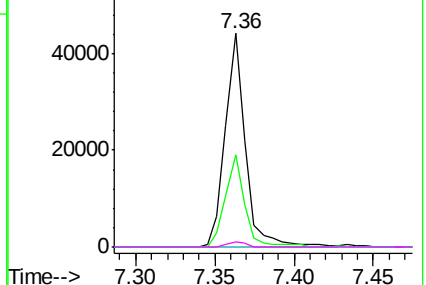


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

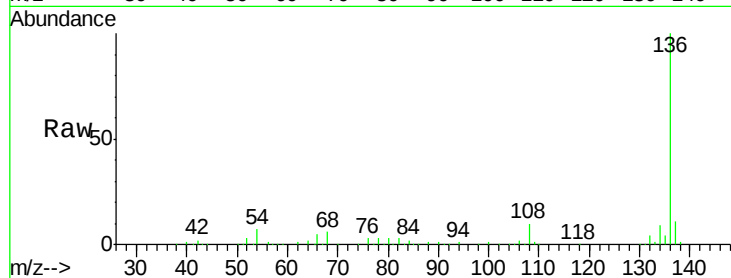
Ion 130.00 (129.70 to 130.70): BF1



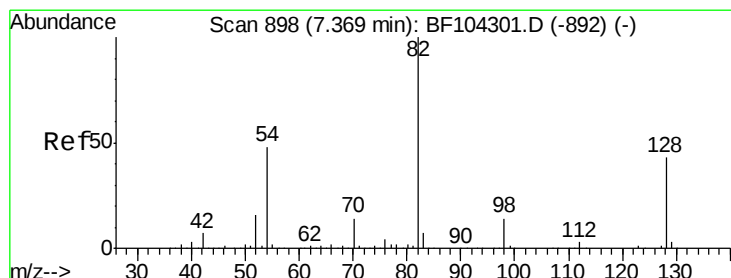
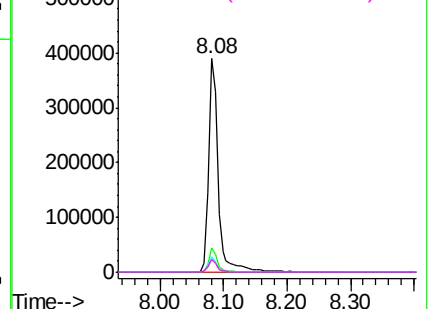
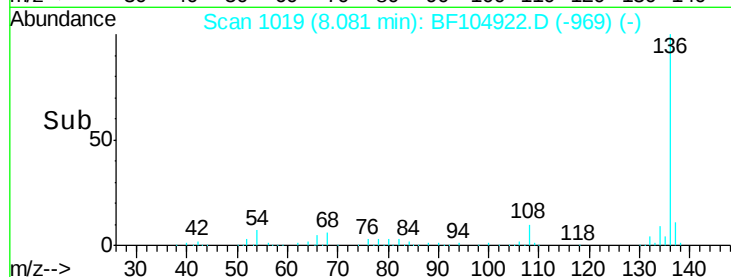


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

Tot Ion:136	Resp:	405591
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.0	6.6 9.8
68	5.8	5.0 7.4

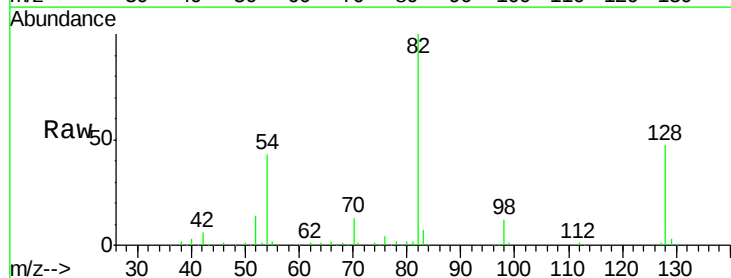


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

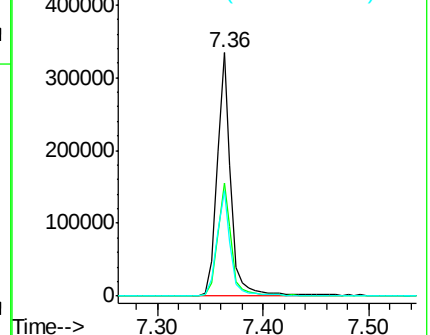
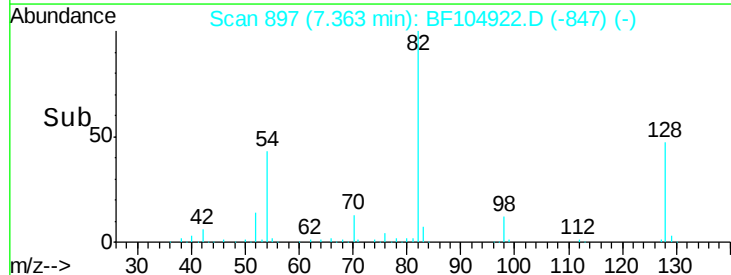


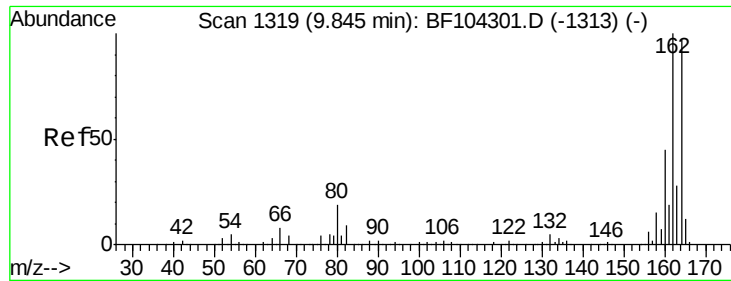
#23
Nitrobenzene-d5
Concen: 49.997 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

Tgt Ion: 82	Resp:	310553
Ion Ratio	Lower	Upper
82	100	
128	46.5	36.1 54.1
54	43.4	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

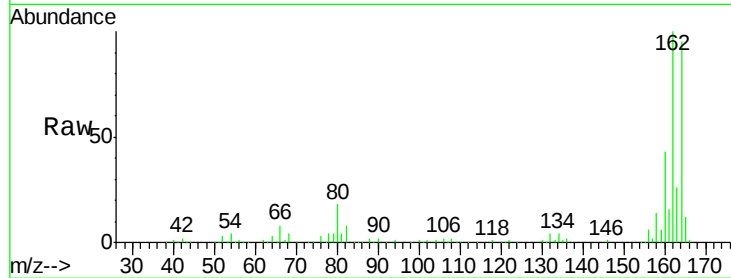
Tot Ion:164 Resp: 171917

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

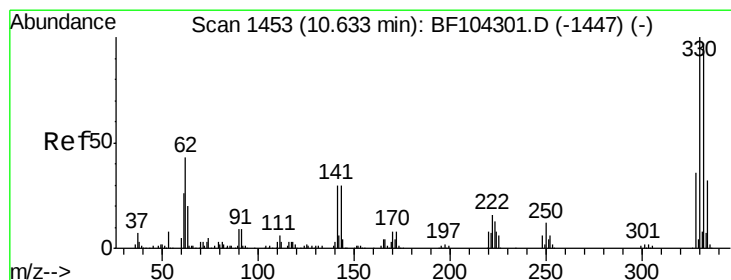
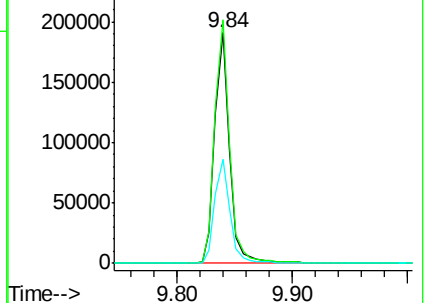
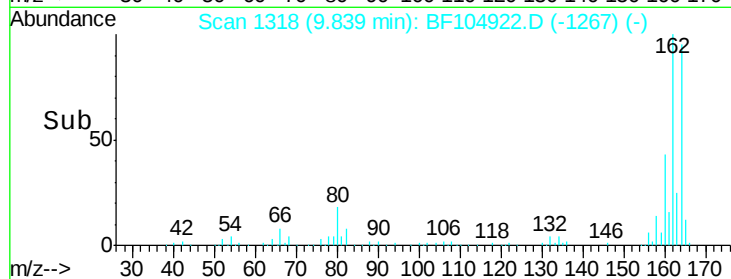
160 45.1 38.3 57.5



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: 1.805 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

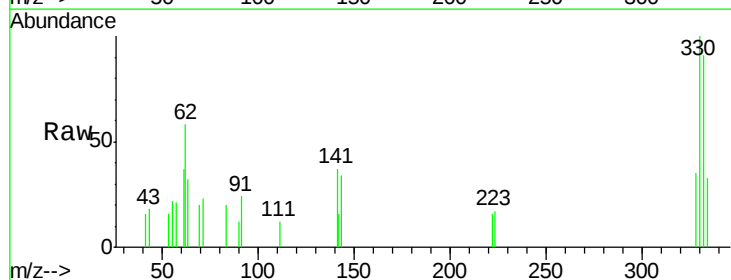
Tgt Ion:330 Resp: 3219

Ion Ratio Lower Upper

330 100

332 85.1 77.0 115.6

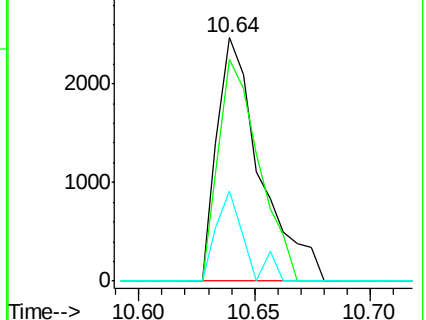
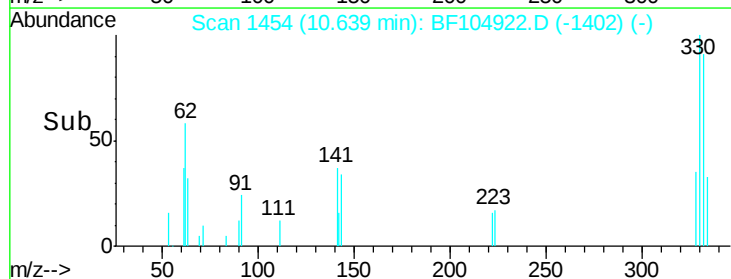
141 24.0 29.9 44.9#

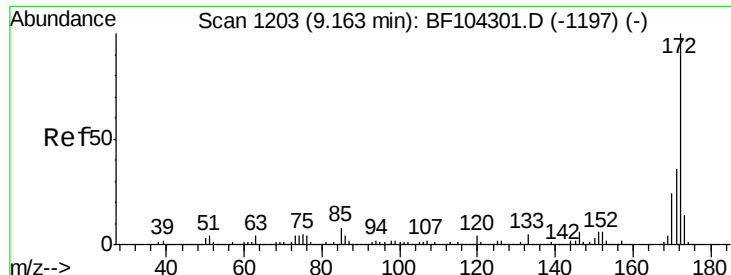


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

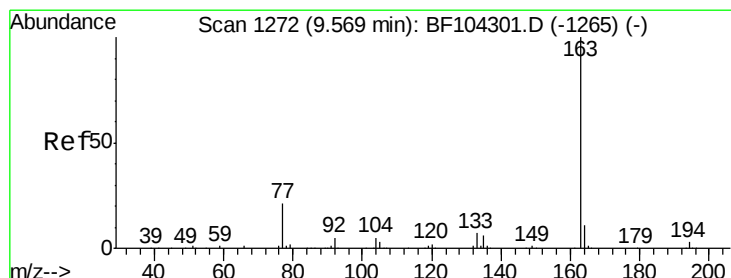
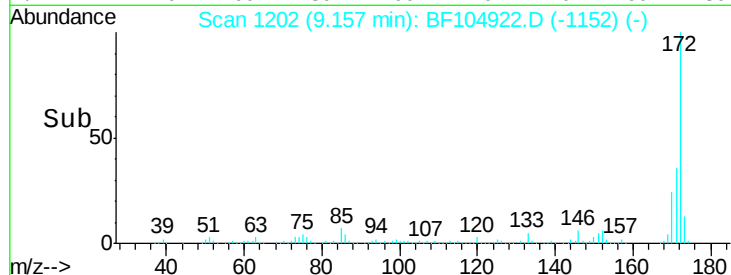
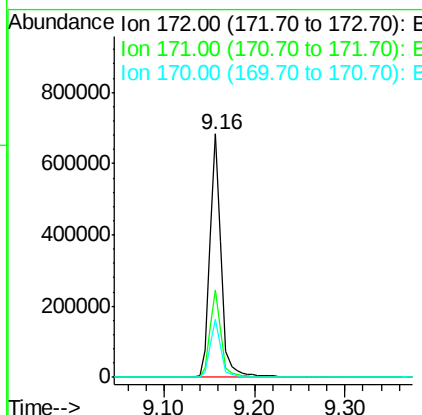
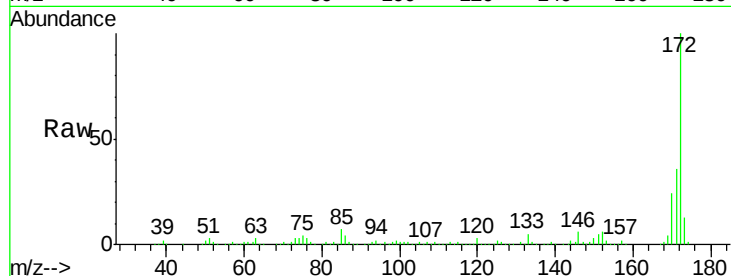
Ion 141.00 (140.70 to 141.70): E





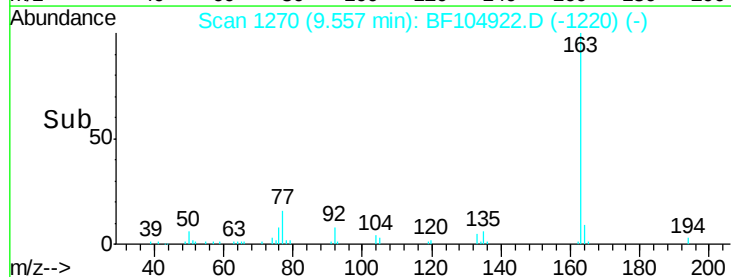
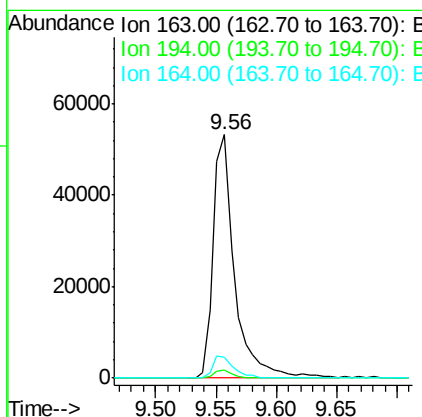
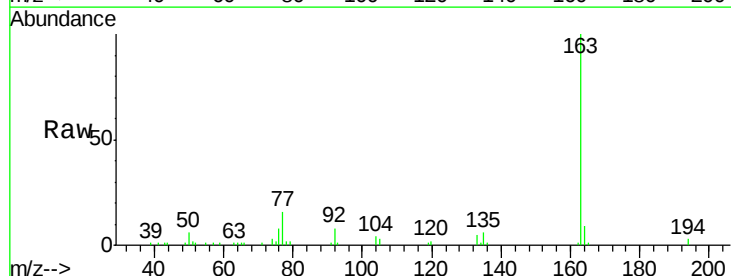
#44
2-Fluorobiphenyl
Concen: 56.002 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

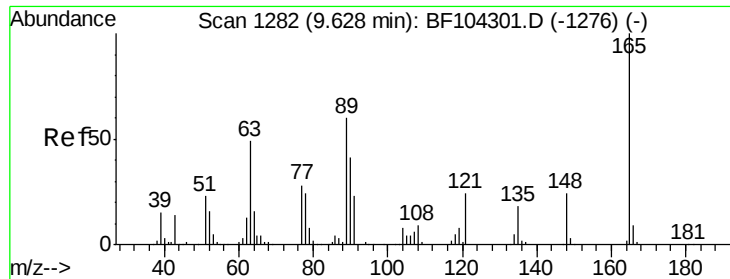
Tot Ion:172 Resp: 609449
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.6 19.6 29.4



#49
Dimethylphthalate
Concen: 4.793 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

Tgt Ion:163 Resp: 64974
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 8.6 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.380 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

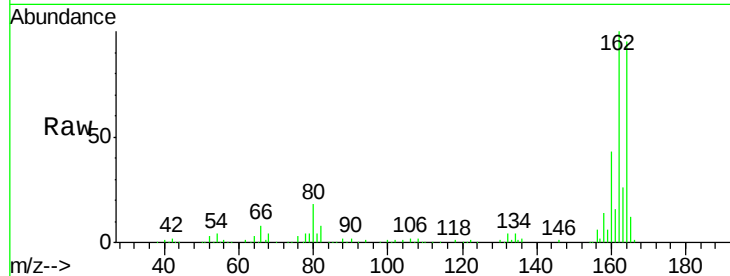
Tot Ion:165 Resp: 21023

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

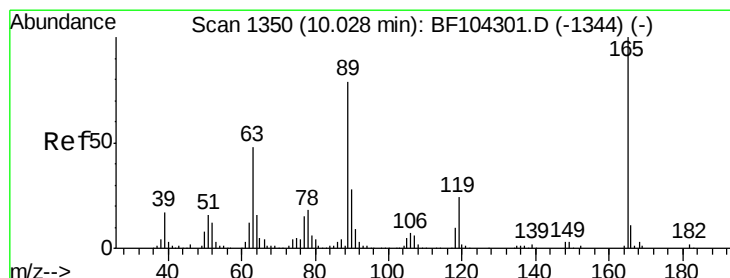
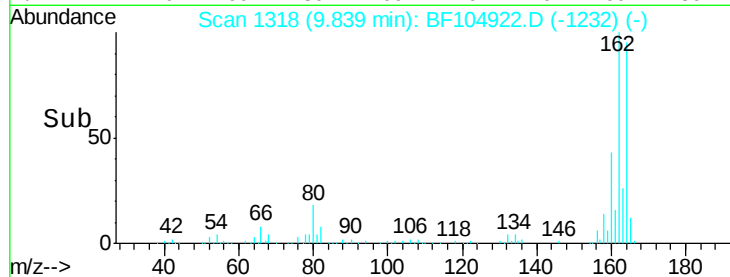
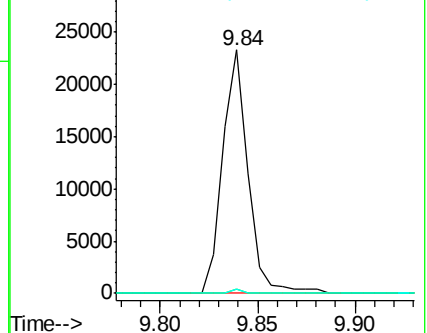
89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.389 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104922.D

Acq: 28 Apr 2018 10:32

Tgt Ion:165 Resp: 21023

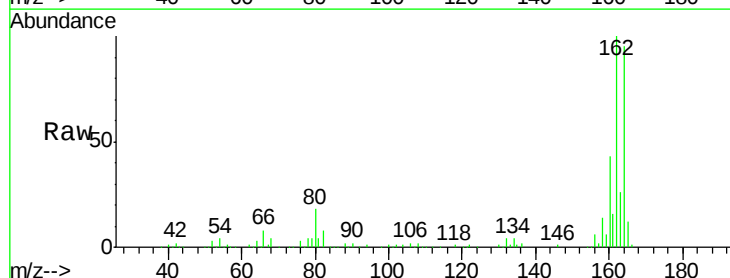
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

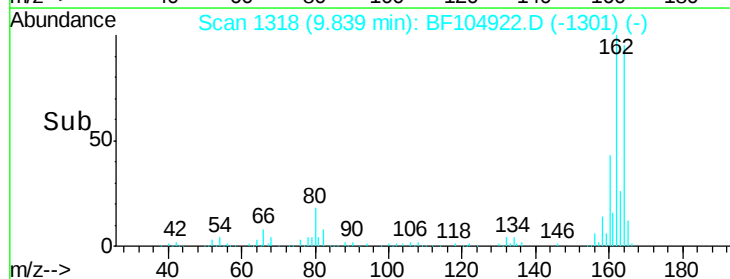
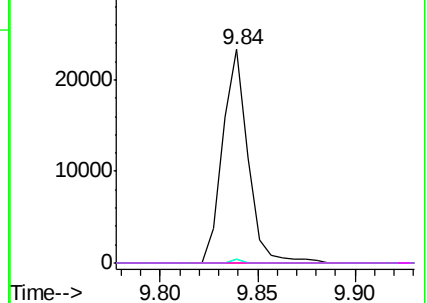


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

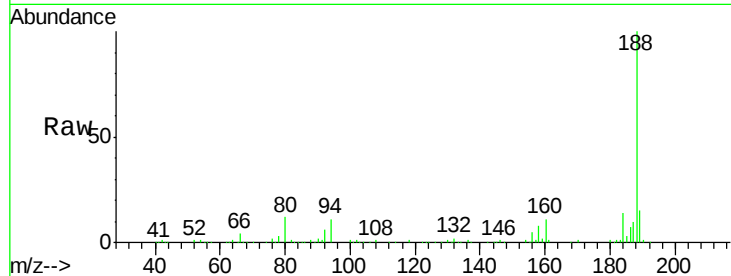
Ion 182.00 (181.70 to 182.70): E



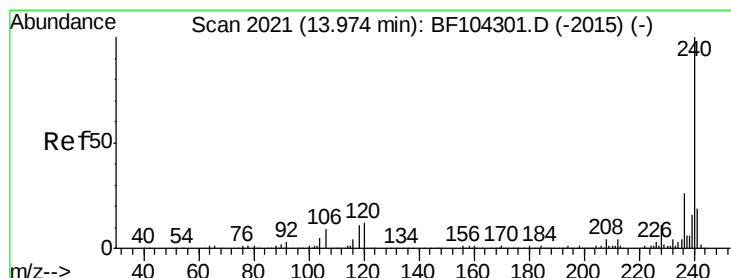
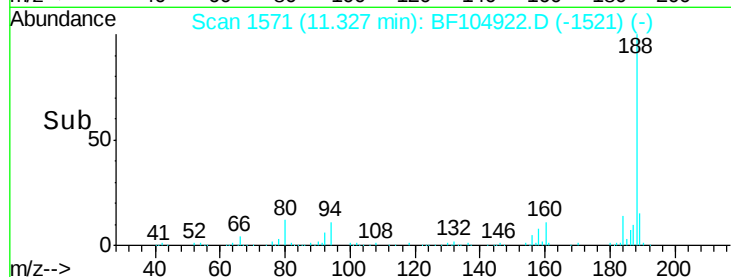
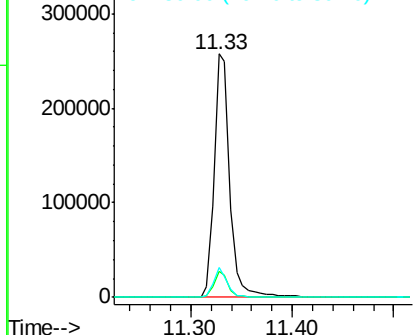


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

Tot Ion:188 Resp: 275281
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 12.2 9.2 13.8

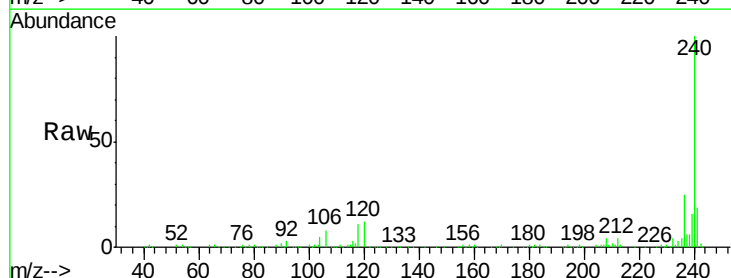


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

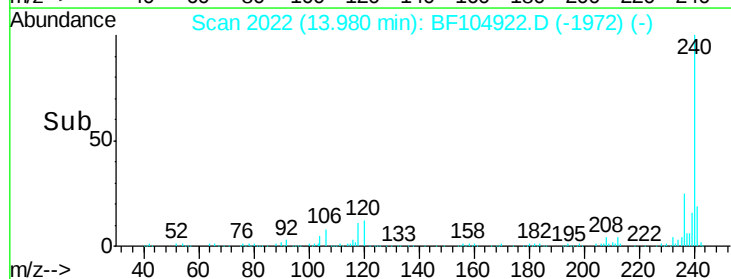
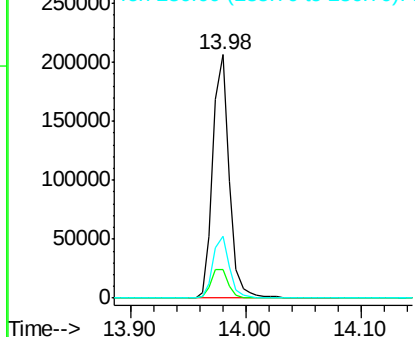


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104922.D
Acq: 28 Apr 2018 10:32

Tgt Ion:240 Resp: 204599
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 25.3 20.7 31.1



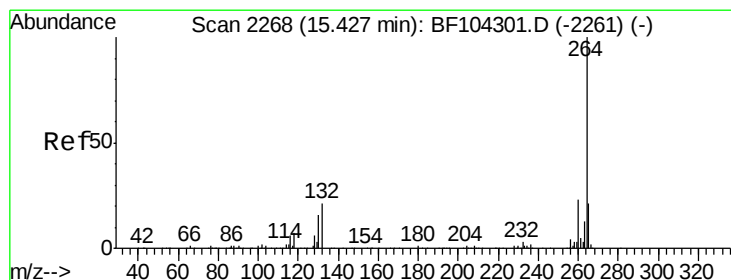
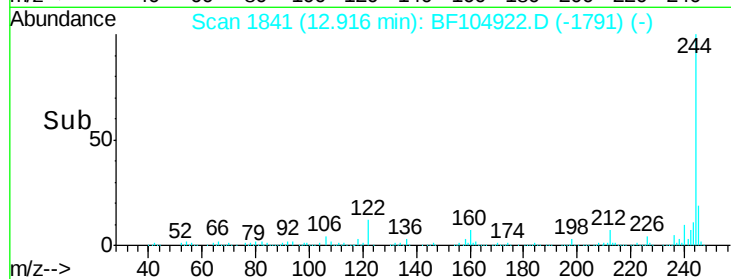
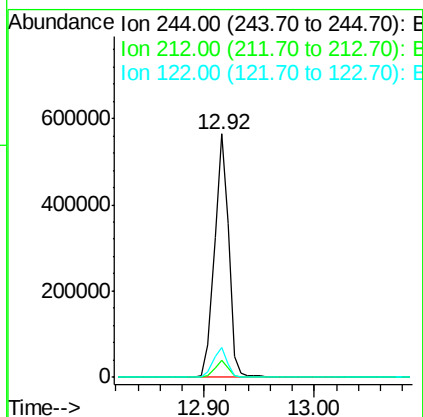
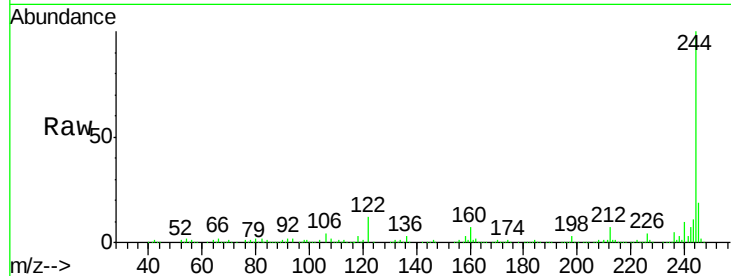
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78
 Terphenyl-d14
 Concen: 55.189 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104922.D
 Acq: 28 Apr 2018 10:32

Tot Ion:244 Resp: 495284
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: BF104922.D
 Acq: 28 Apr 2018 10:32

Tgt Ion:264 Resp: 149221
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.0 17.5 26.3

