

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104899.D
 Acq On : 27 Apr 2018 23:19
 Operator : JU/SJ
 Sample : J2549-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 28 00:01:41 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	98918	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	390612	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	158060	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	251097	20.00	ng	0.00
75) Chrysene-d12	13.98	240	199357	20.00	ng	0.00
86) Perylene-d12	15.45	264	162175	20.00	ng	0.00

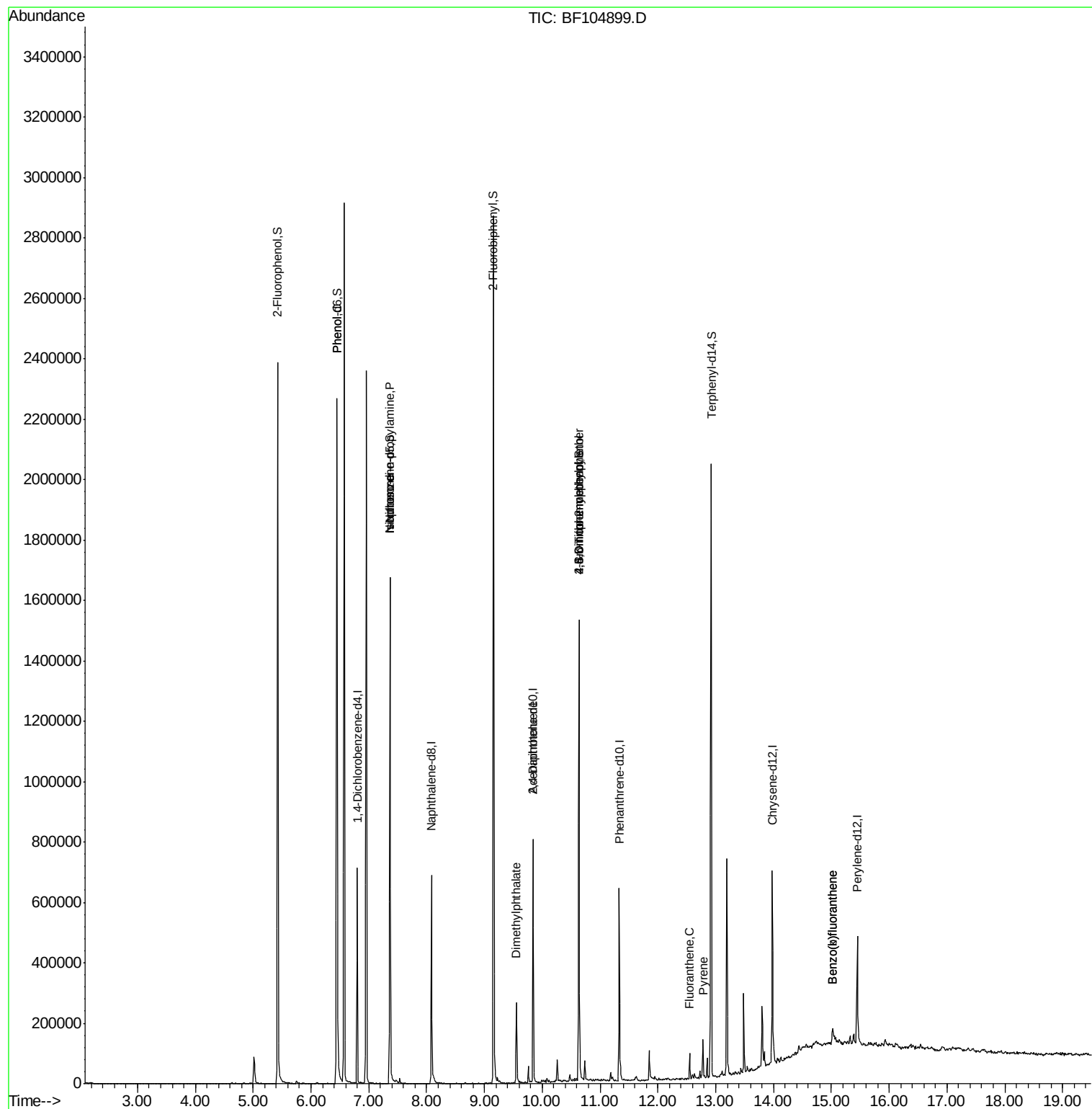
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	809589	125.14	ng	0.01
7) Phenol-d6	6.45	99	988089	124.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	588285	98.34	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	206931	126.21	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	927099	92.66	ng	0.00
78) Terphenyl-d14	12.92	244	711135	81.32	ng	0.00

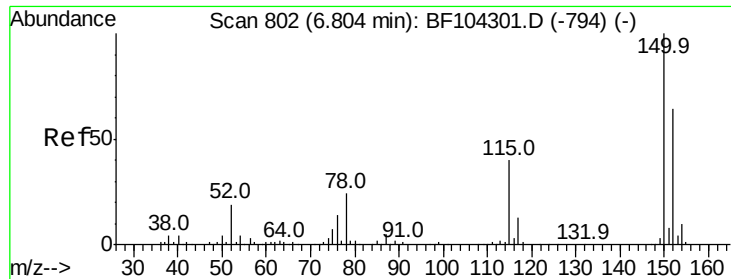
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1438	Below Cal	#	1
10) Phenol	6.46	94	20157	2.390	ng	# 67
19) n-Nitroso-di-n-propylamine	7.37	70	75133	14.465	ng	# 72
25) Isophorone	7.37	82	588280	46.505	ng	# 64
49) Dimethylphthalate	9.55	163	118059	9.472	ng	100
56) 2,4-Dinitrotoluene	9.84	165	20543	6.790	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	420	7.638	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12192	4.565	ng	# 1
74) Fluoranthene	12.55	202	36387	2.491	ng	95
76) Benzidine	12.92	184	9242	Below Cal	#	94
77) Pyrene	12.78	202	35894	2.429	ng	99
87) Benzo(b)fluoranthene	15.02	252	35371	3.453	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	35371	3.658	ng	# 93

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

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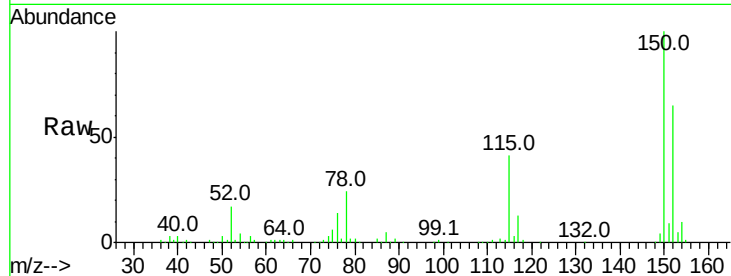




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	63.2	50.1	75.1

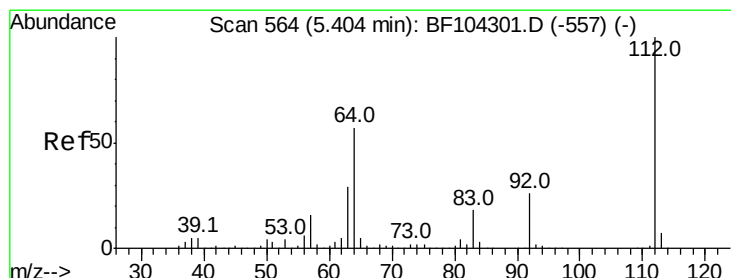
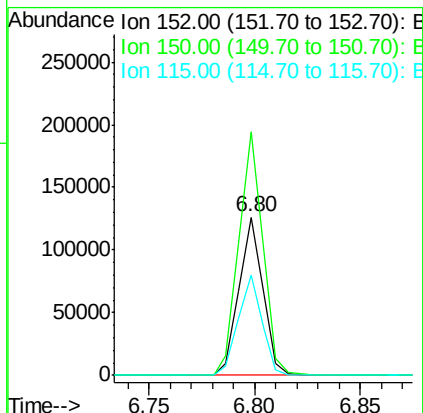
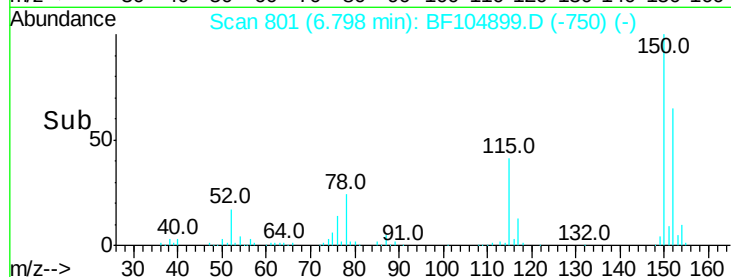


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

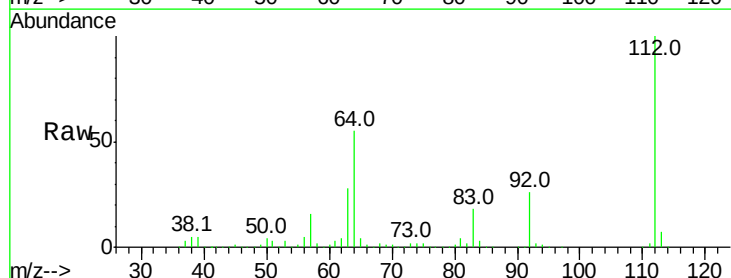
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.145 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.9	23.7	35.5

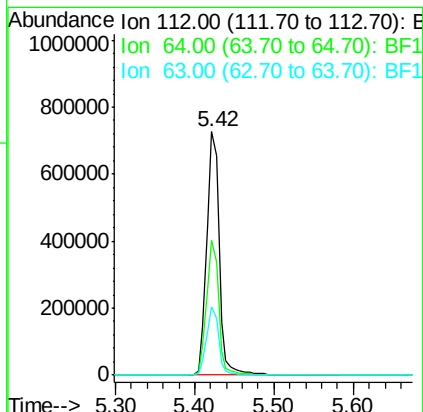
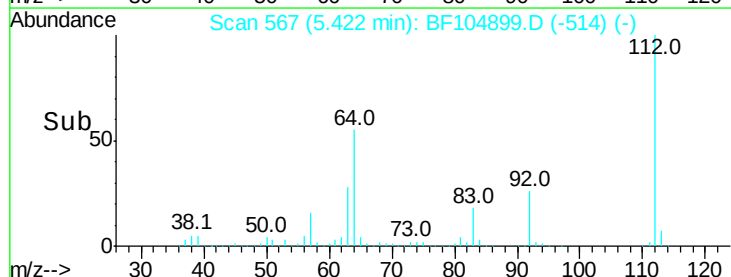


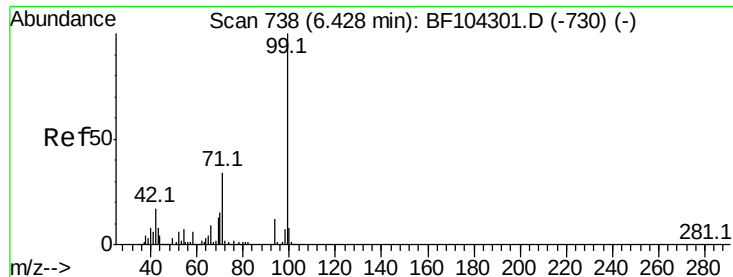
Abundance

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: 124.310 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

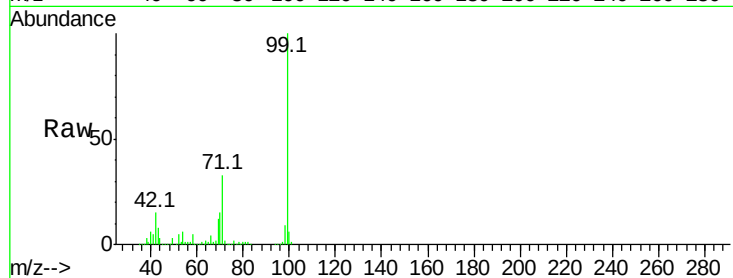
Tot Ion: 99 Resp: 988089

Ion Ratio Lower Upper

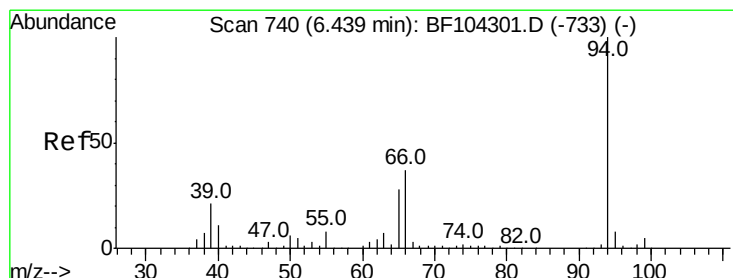
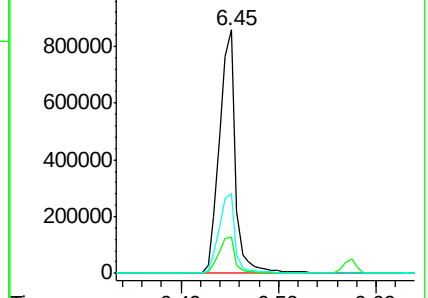
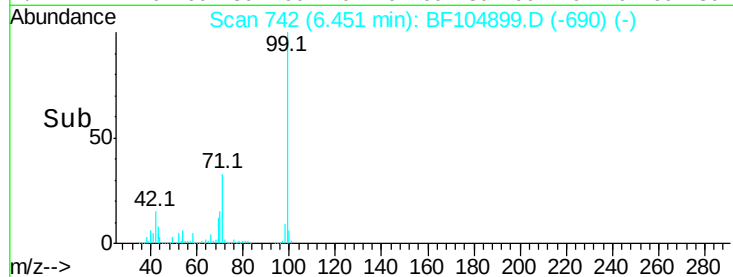
99 100

42 15.1 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.390 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

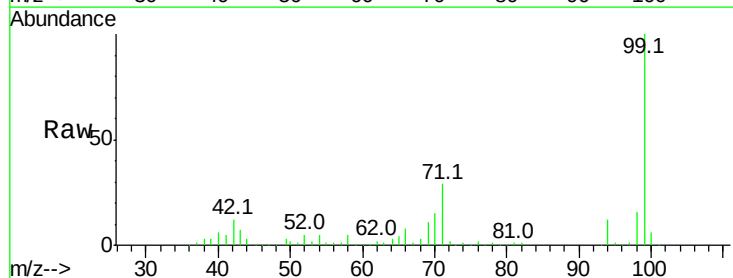
Tgt Ion: 94 Resp: 20157

Ion Ratio Lower Upper

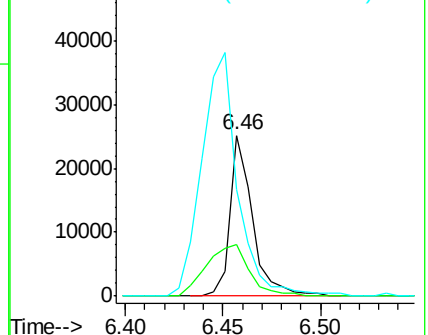
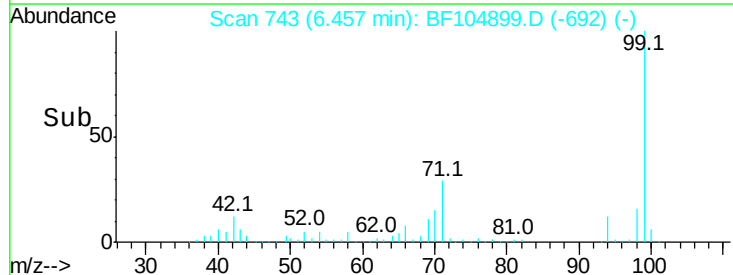
94 100

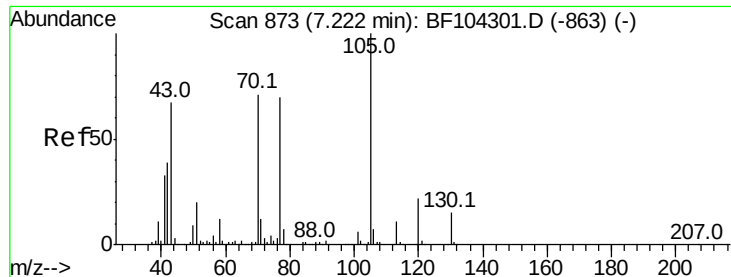
65 32.4 7.9 47.9

66 66.4 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.465 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

Tot Ion: 70 Resp: 75133

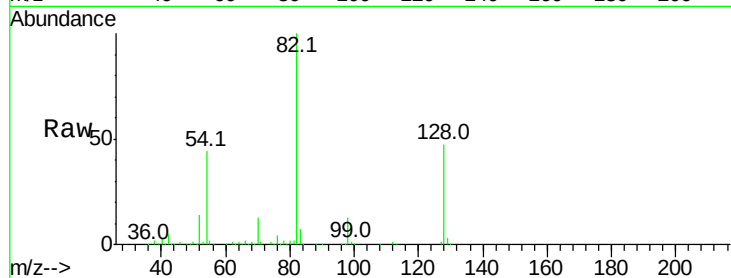
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

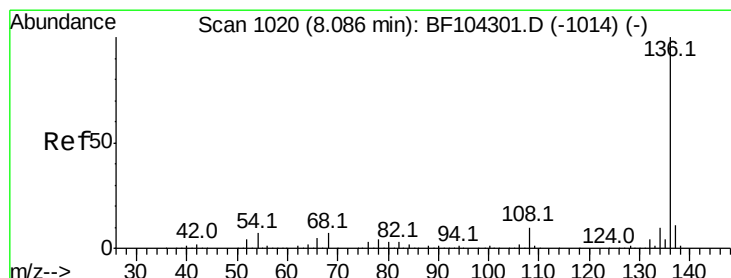
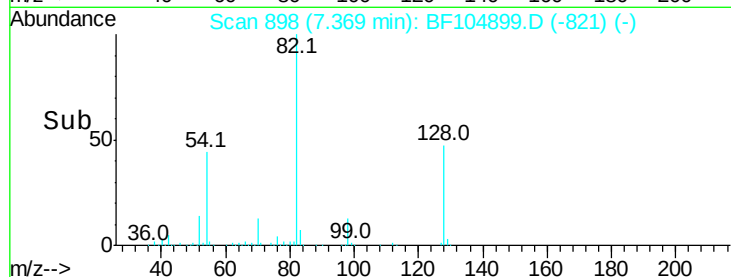
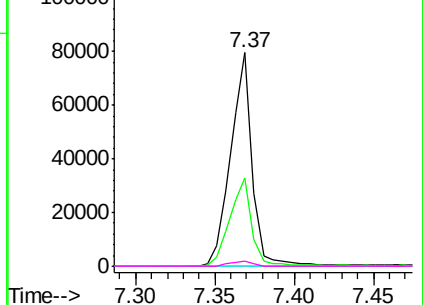


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

Tgt Ion: 136 Resp: 390612

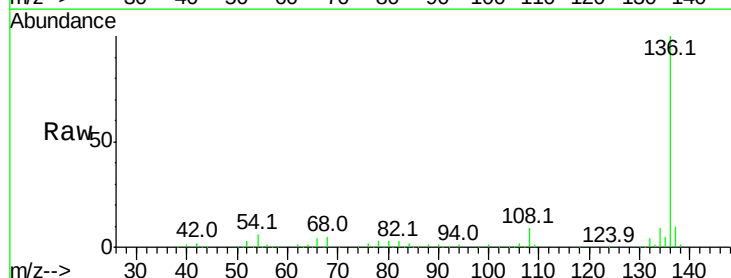
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 5.7 6.6 9.8#

68 4.9 5.0 7.4#

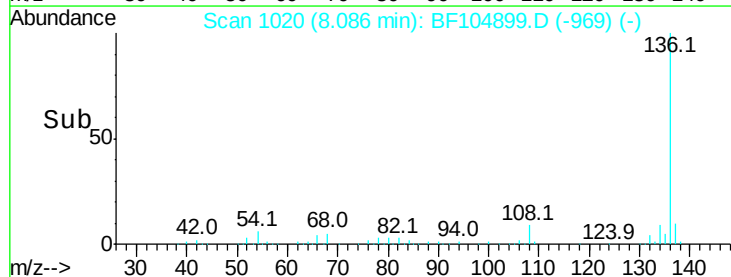
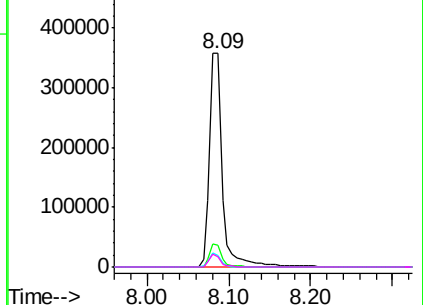


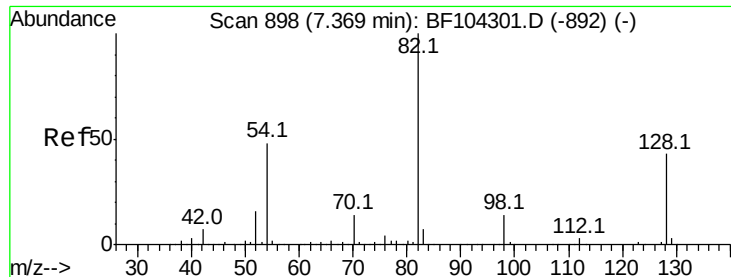
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

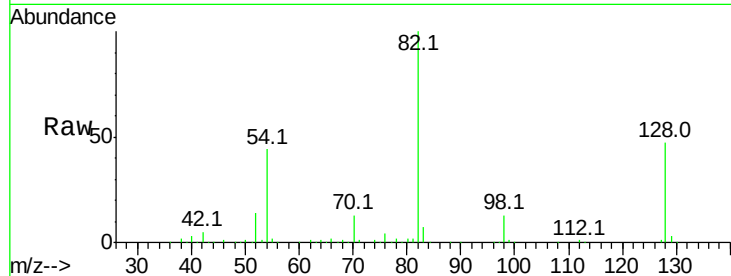
Ion 68.00 (67.70 to 68.70): BF1



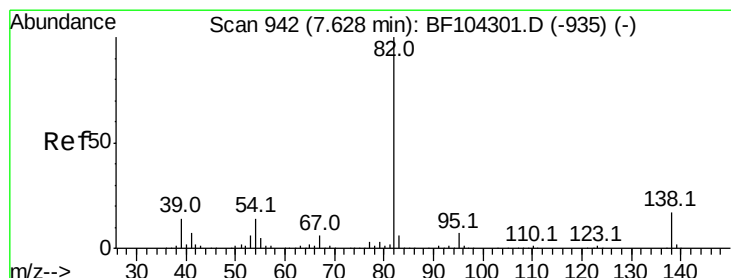
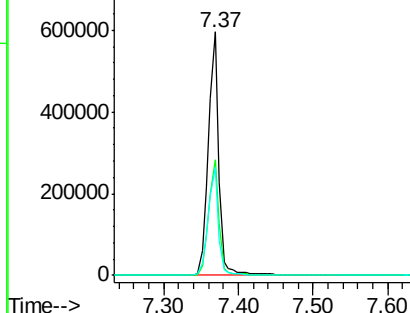
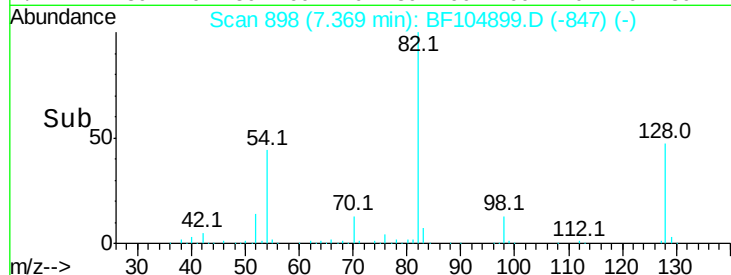


#23
 Nitrobenzene-d5
 Concen: 98.343 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104899.D
 Acq: 27 Apr 2018 23:19

Tot Ion	82	Resp	588285
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	44.2	41.4	62.2

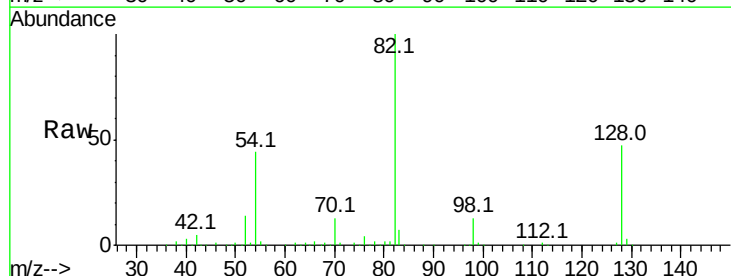


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

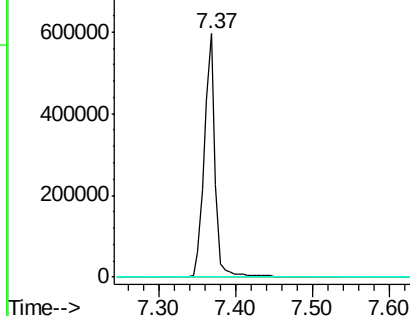
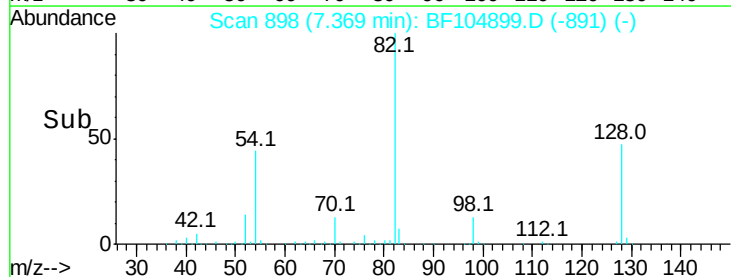


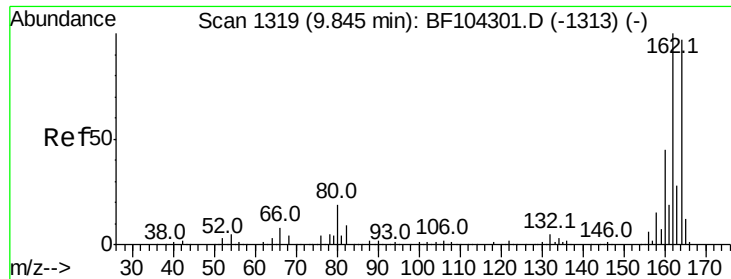
#25
 Isophorone
 Concen: 46.505 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104899.D
 Acq: 27 Apr 2018 23:19

Tgt Ion	82	Resp	588280
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		



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: BF104899.D

Acq: 27 Apr 2018 23:19

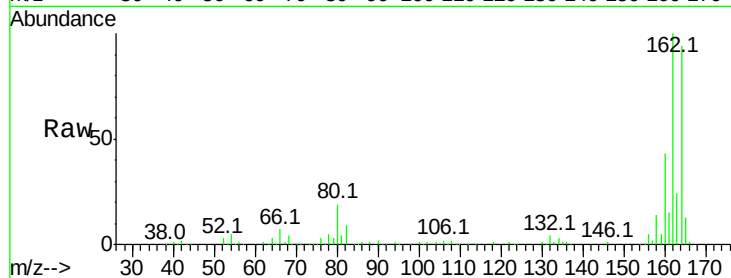
Tot Ion:164 Resp: 158060

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

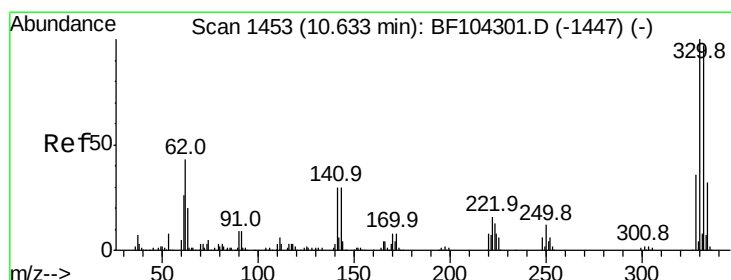
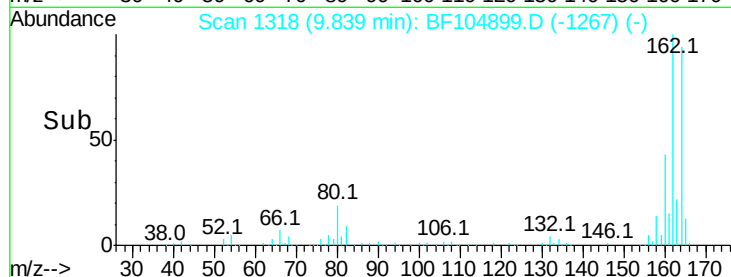
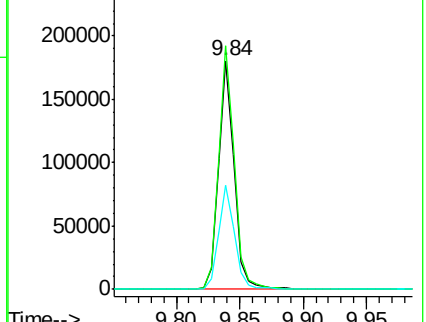
160 45.7 38.3 57.5



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: 126.208 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

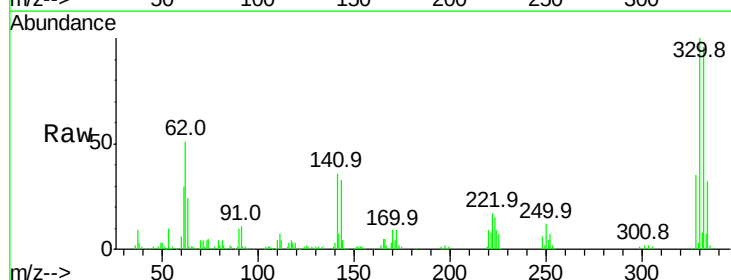
Tgt Ion:330 Resp: 206931

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

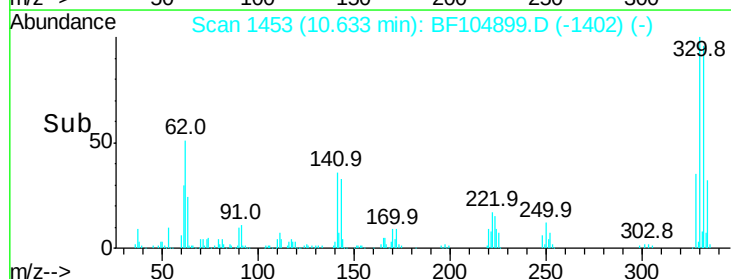
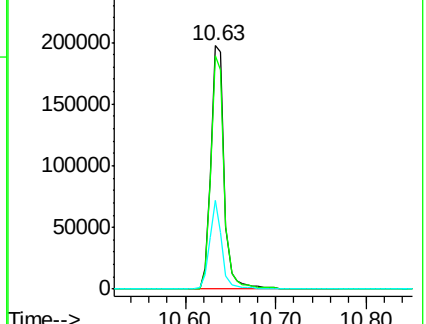
141 33.3 29.9 44.9

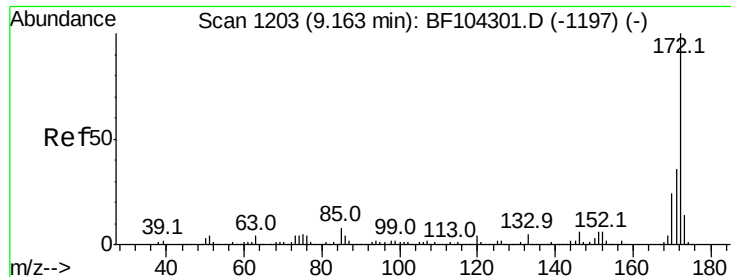


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

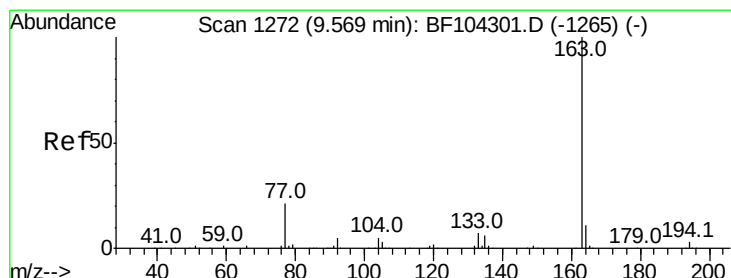
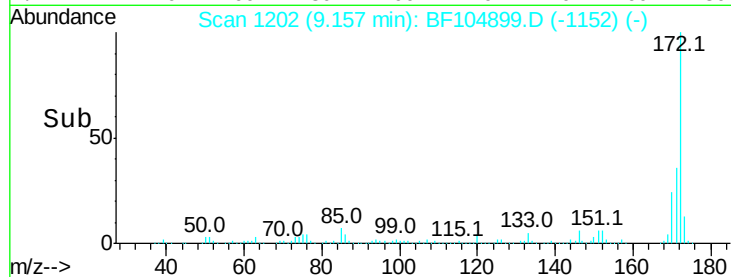
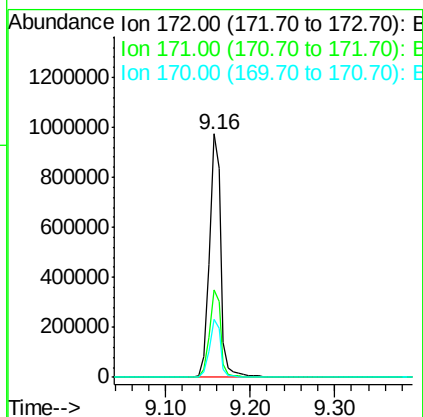
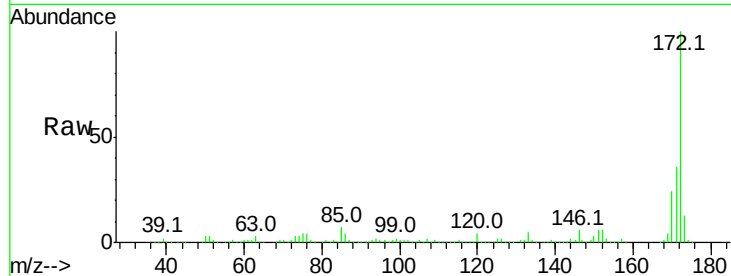
Ion 141.00 (140.70 to 141.70): E





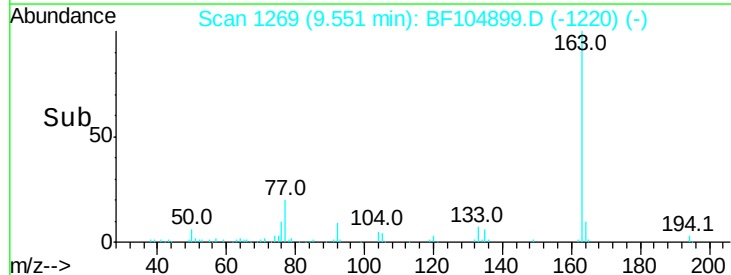
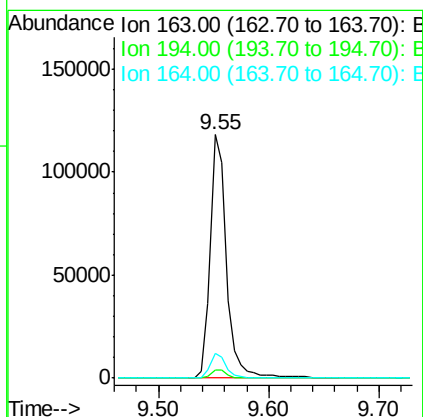
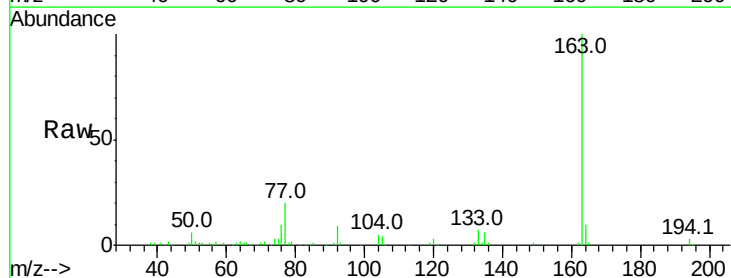
#44
2-Fluorobiphenyl
Concen: 92.660 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

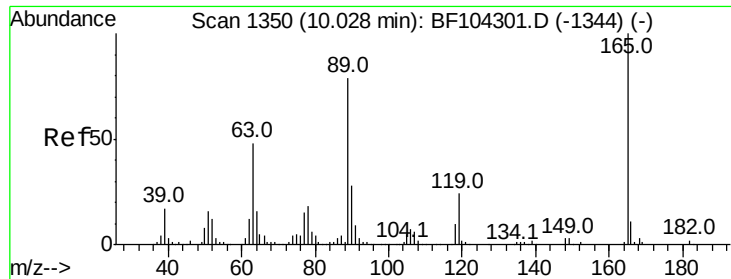
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4



#49
Dimethylphthalate
Concen: 9.472 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

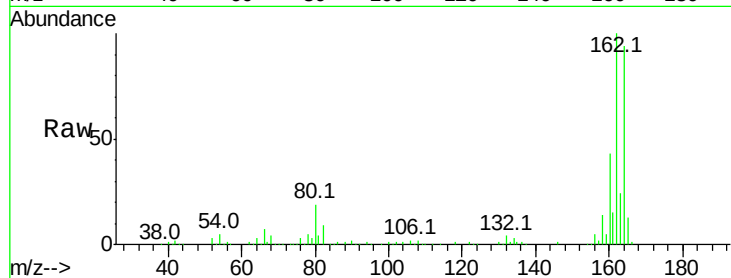
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.2	8.2	12.2





#56
 2,4-Dinitrotoluene
 Concen: 6.790 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104899.D
 Acq: 27 Apr 2018 23:19

Tot Ion:	165	Resp:	20543
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

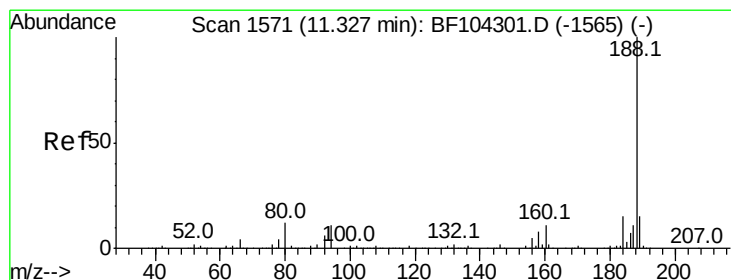
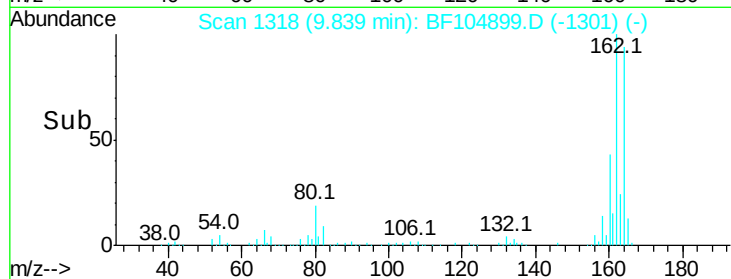
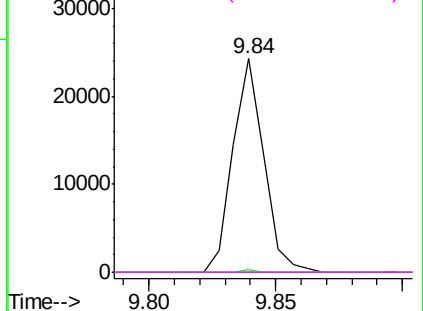


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

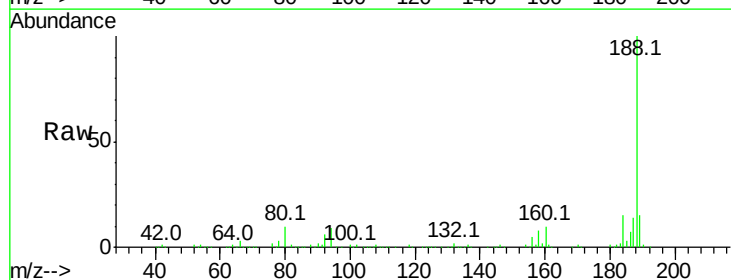
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104899.D
 Acq: 27 Apr 2018 23:19

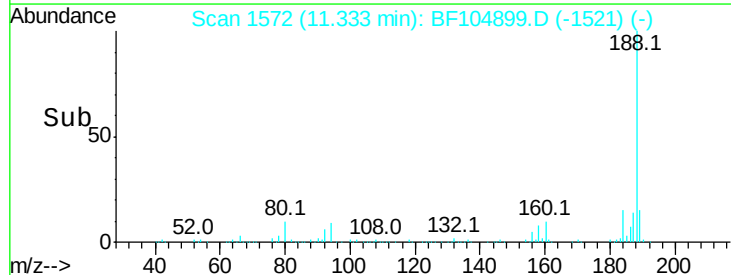
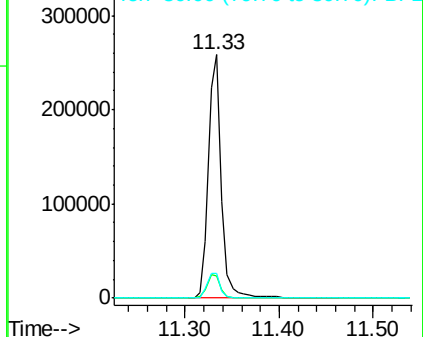
Tgt Ion:	188	Resp:	251097
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.2	9.2	13.8

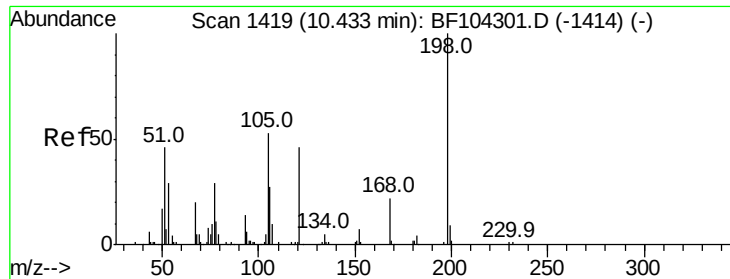


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

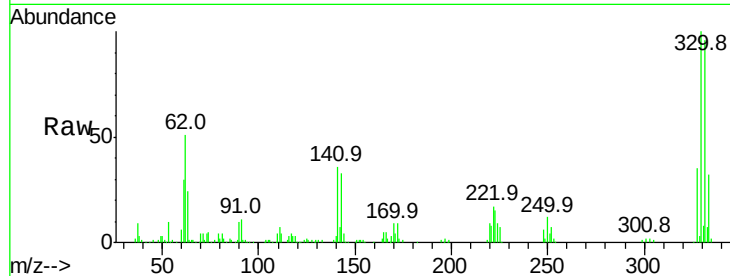
Ion 80.00 (79.70 to 80.70): BF1





#64
4,6-Dinitro-2-methylphenol
Concen: 7.638 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

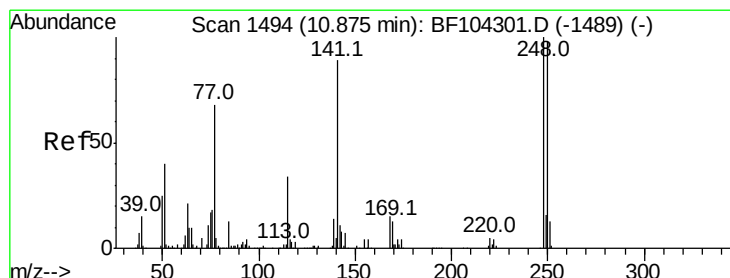
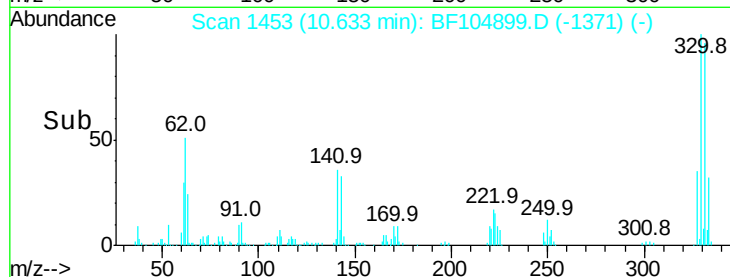
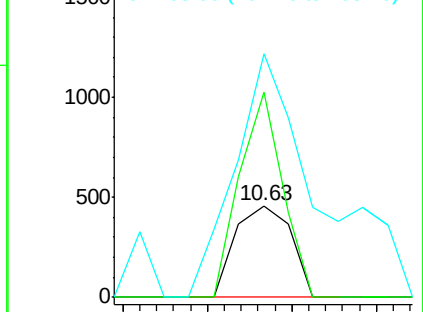
Tot Ion	Ratio	Resp	Lower	Upper
198	100			
51	224.9		37.7	77.7#
105	266.3		36.3	76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

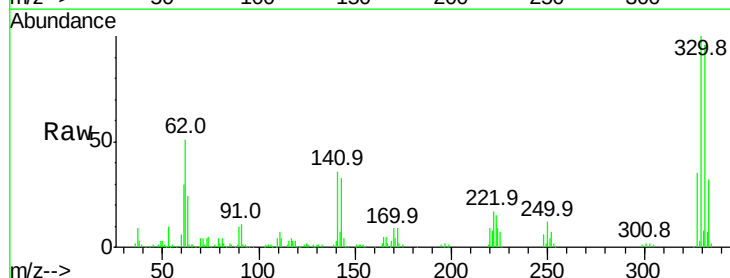
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66
4-Bromophenyl-phenylether
Concen: 4.565 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

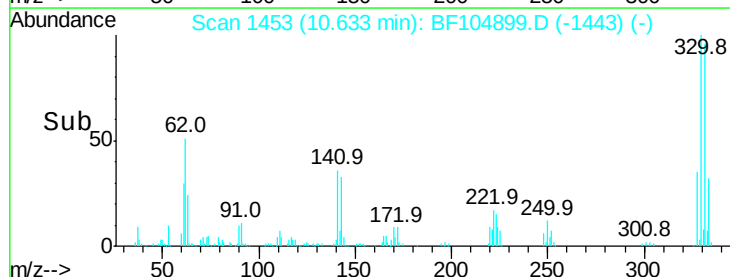
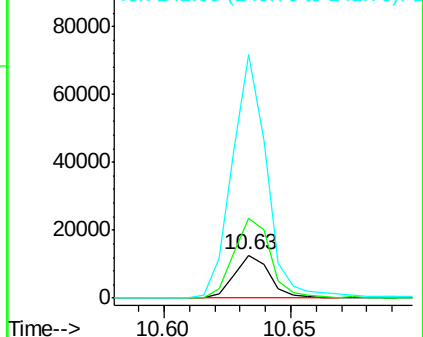
Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	186.8		76.9	115.3#
141	568.7		74.4	111.6#

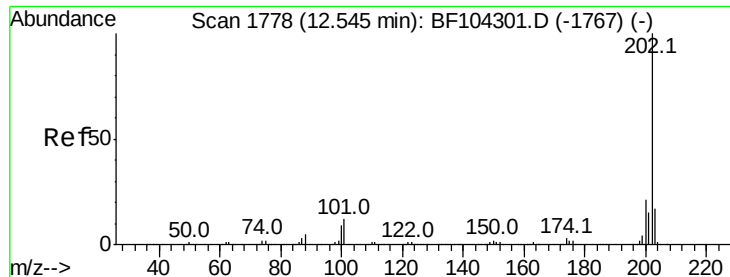


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.491 ng

RT: 12.55 min Scan# 1779

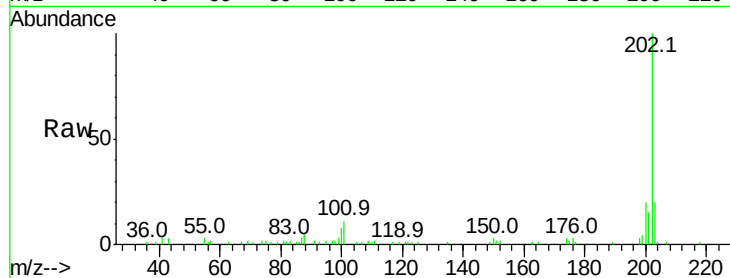
Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

Tot Ion:202 Resp: 36387

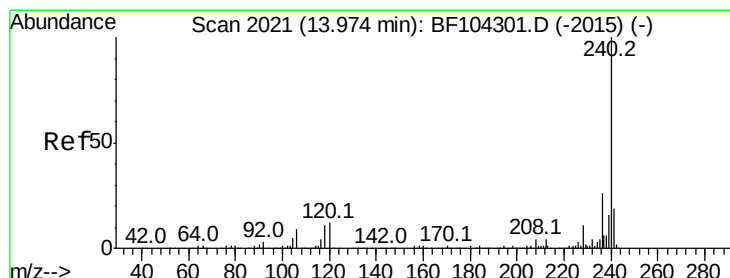
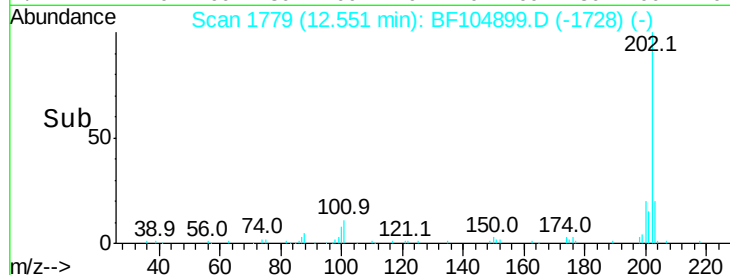
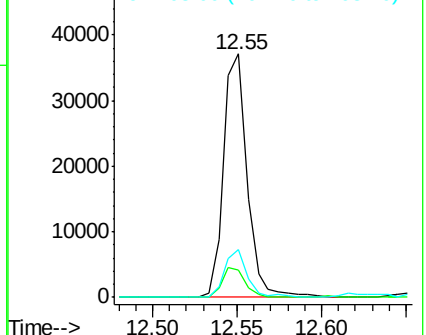
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	19.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

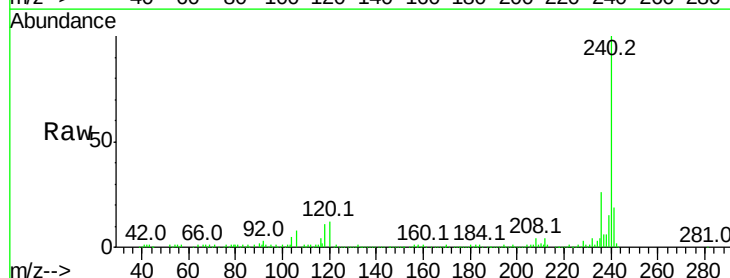
Delta R.T. -0.01 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

Tgt Ion:240 Resp: 199357

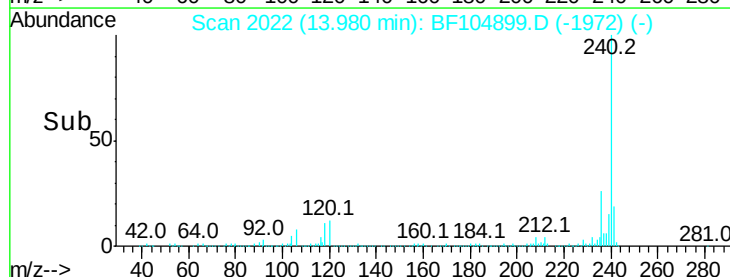
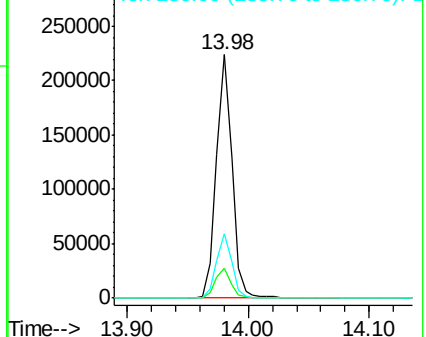
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.5	14.3
236	26.4	20.7	31.1

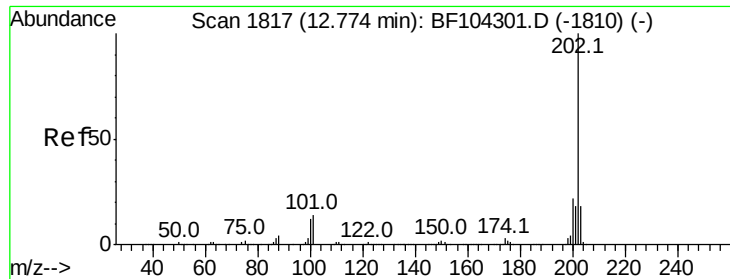


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.429 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

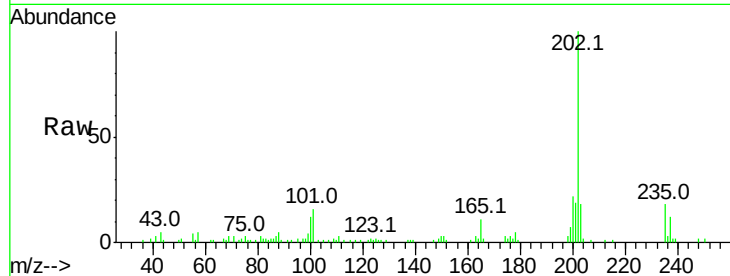
Tot Ion:202 Resp: 35894

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

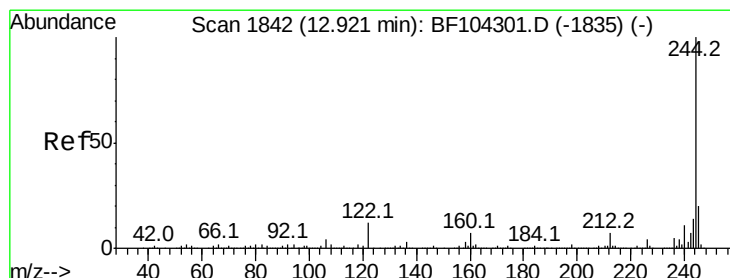
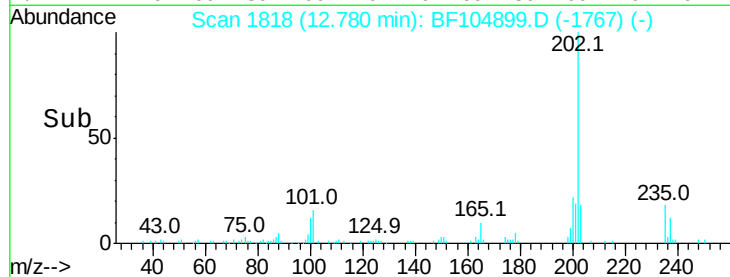
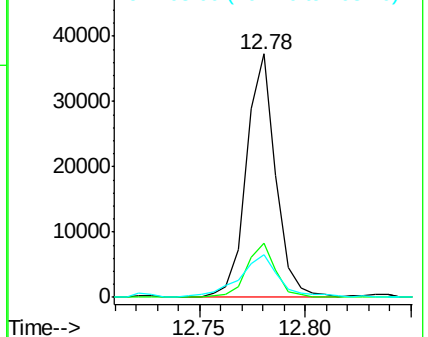
203 17.6 14.3 21.5



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: 81.325 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104899.D

Acq: 27 Apr 2018 23:19

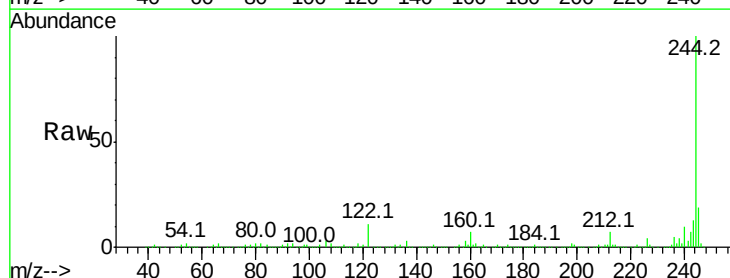
Tgt Ion:244 Resp: 711135

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

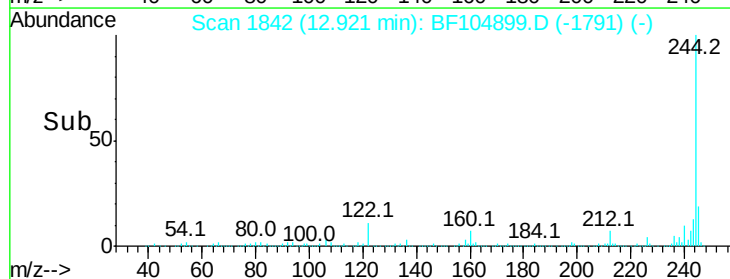
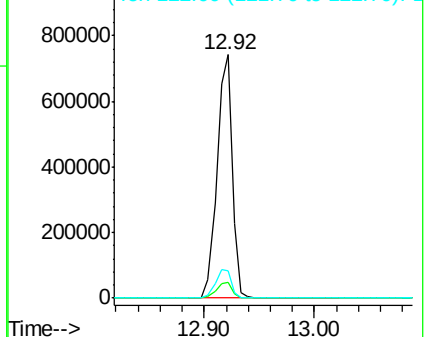
122 11.1 11.0 16.4

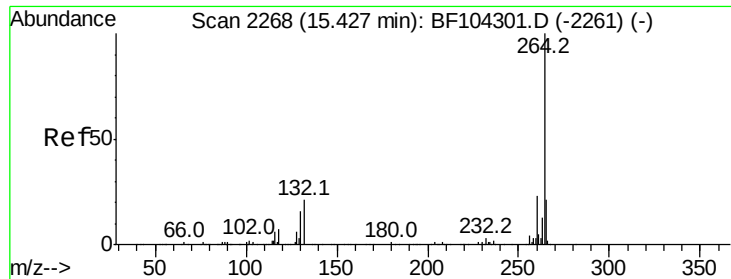


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

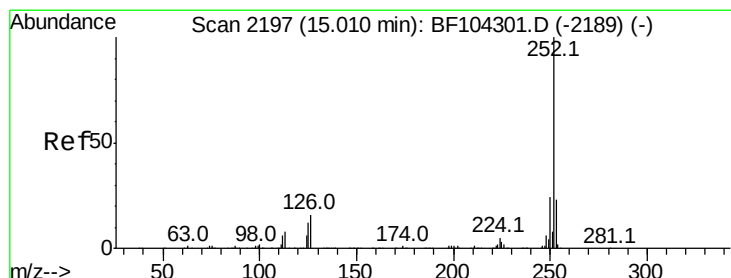
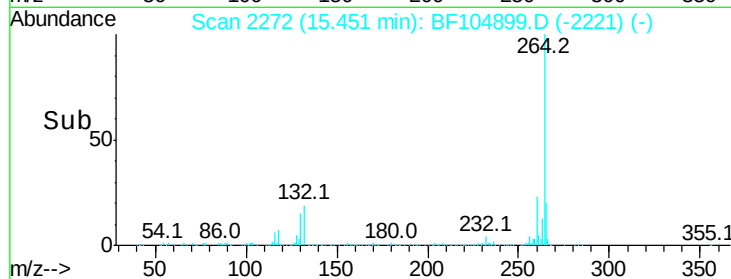
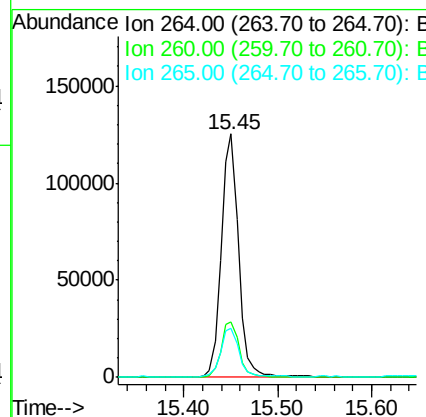
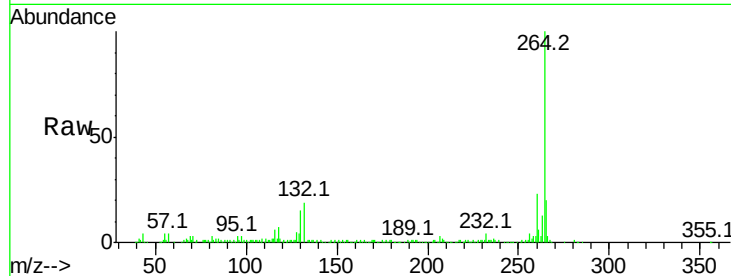
Ion 122.00 (121.70 to 122.70): E





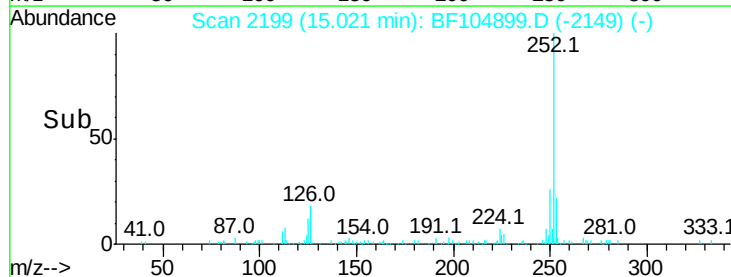
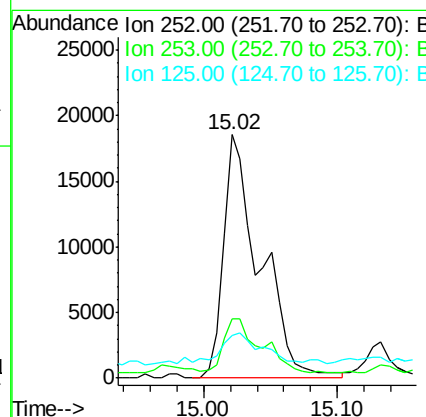
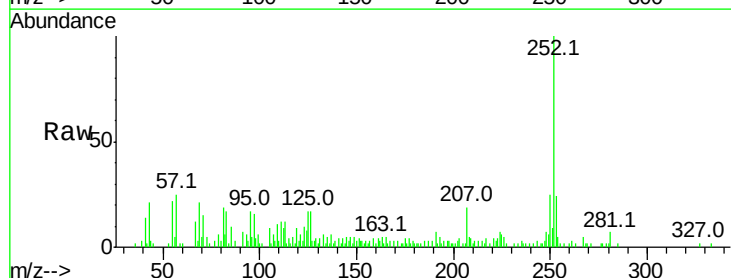
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

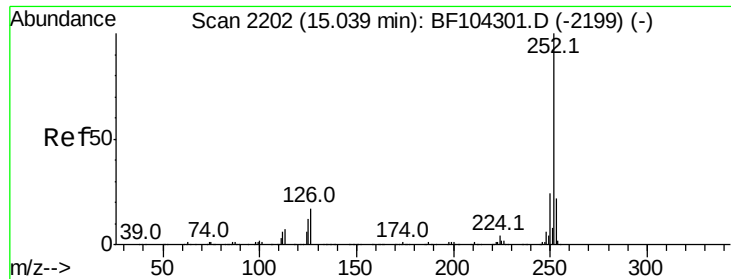
Tot Ion:264 Resp: 162175
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 20.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.453 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104899.D
Acq: 27 Apr 2018 23:19

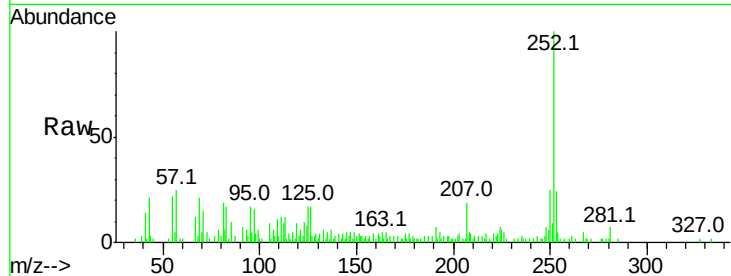
Tgt Ion:252 Resp: 35371
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 17.4 9.0 13.6#





#88
 Benzo(k)fluoranthene
 Concen: 3.658 ng
 RT: 15.02 min Scan# 2199
 Delta R.T. -0.04 min
 Lab File: BF104899.D
 Acq: 27 Apr 2018 23:19

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	17.4	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

