

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF052918\
 Data File : BF105930.D
 Acq On : 29 May 2018 11:52
 Operator : JU/SJ
 Sample : J3132-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

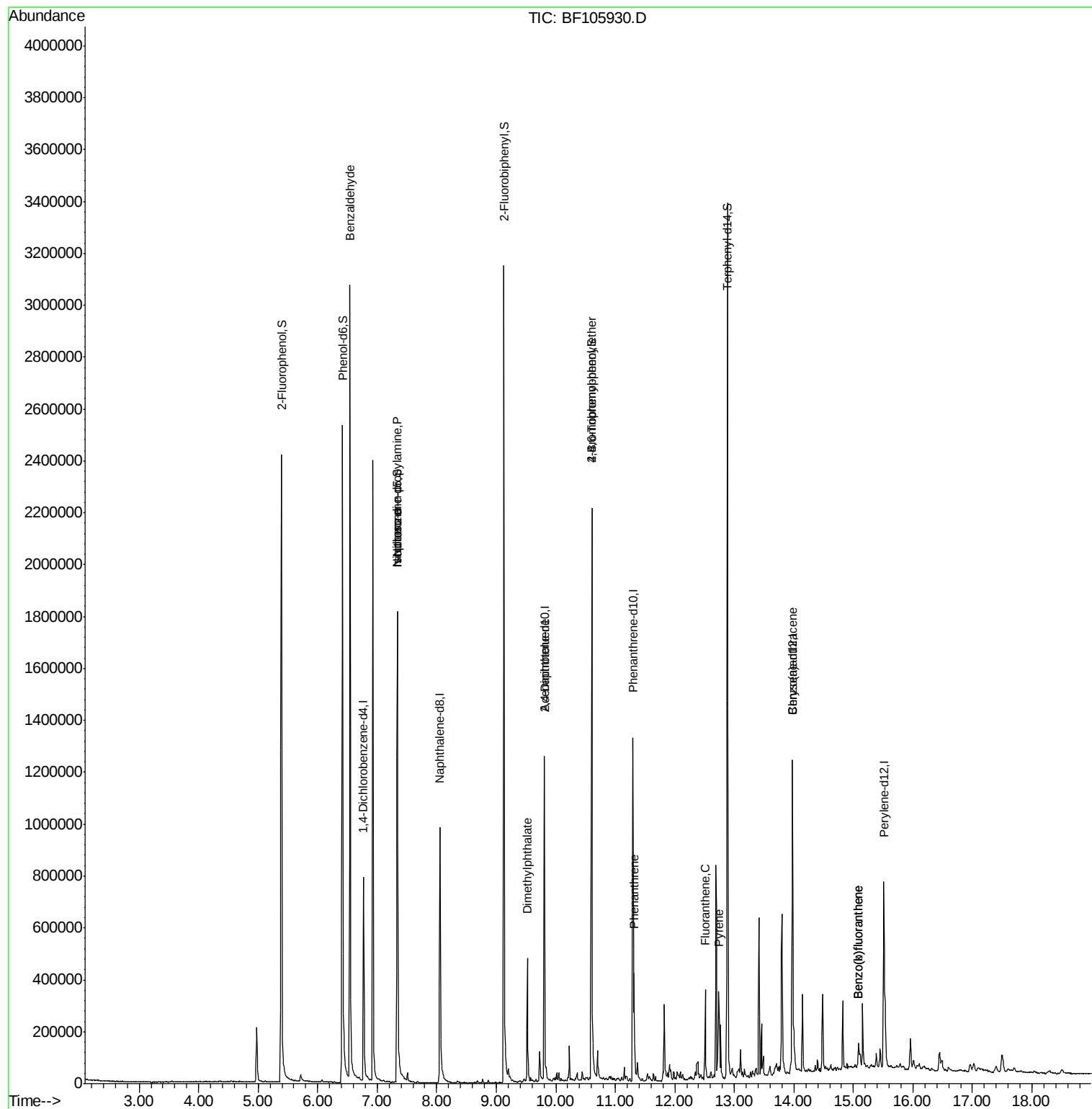
Quant Time: May 30 00:48:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 17 16:15:19 2018
 Response via : Initial Calibration

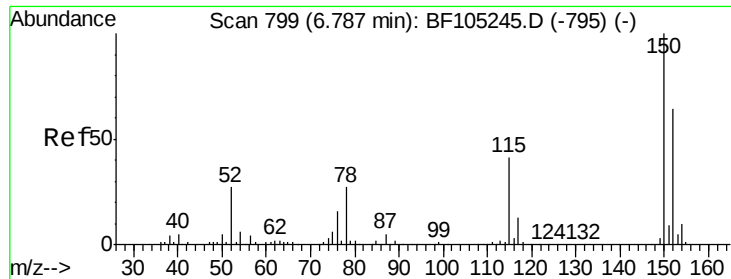
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138535	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	586409	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	276854	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	550092	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	468875	20.00	ng	-0.04
86) Perylene-d12	15.51	264	365892	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	825730	89.65	ng	0.00
7) Phenol-d6	6.42	99	1063256	97.15	ng	-0.01
23) Nitrobenzene-d5	7.34	82	690726	68.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	359492	100.50	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1077734	56.11	ng	-0.02
78) Terphenyl-d14	12.89	244	1275843	58.49	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.55	77	18764	2.52	ng	82
19) n-Nitroso-di-n-propylamine	7.34	70	90002	13.01	ng	# 81
25) Isophorone	7.34	82	690723	36.22	ng	# 64
49) Dimethylphthalate	9.52	163	208147	9.79	ng	99
56) 2,4-Dinitrotoluene	9.81	165	35661	5.86	ng	# 24
66) 4-Bromophenyl-phenylether	10.60	248	19947	3.26	ng	# 1
70) Phenanthrene	11.32	178	143422	4.63	ng	98
74) Fluoranthene	12.51	202	153176	4.97	ng	96
77) Pyrene	12.74	202	138918	3.84	ng	99
80) Benzo(a)anthracene	13.97	228	55732	2.04	ng	98
87) Benzo(b)fluoranthene	15.09	252	47852	2.19	ng	97
88) Benzo(k)fluoranthene	15.09	252	47852	2.27	ng	97

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

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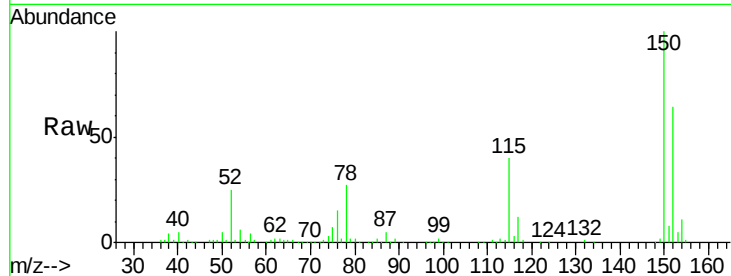




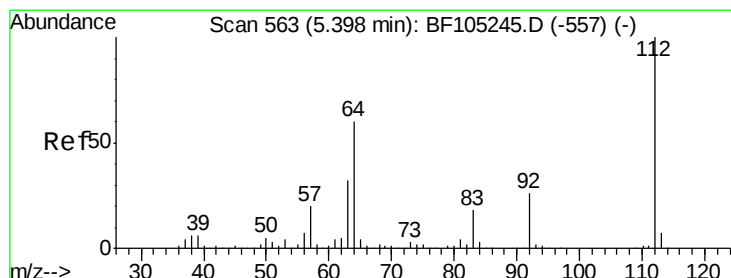
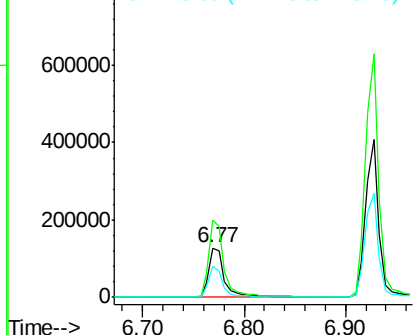
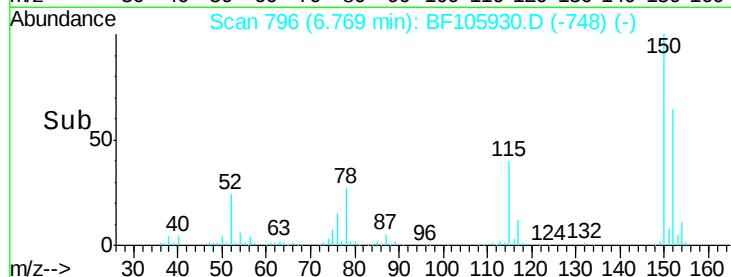
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	62.8	50.1	75.1



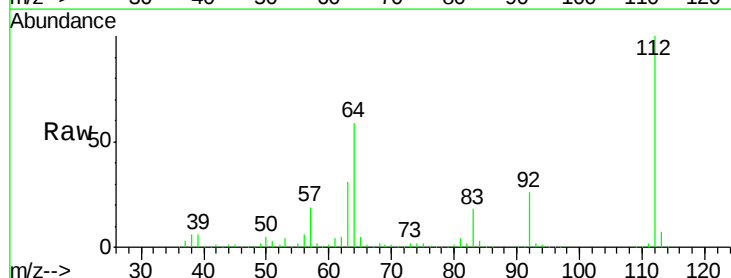
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



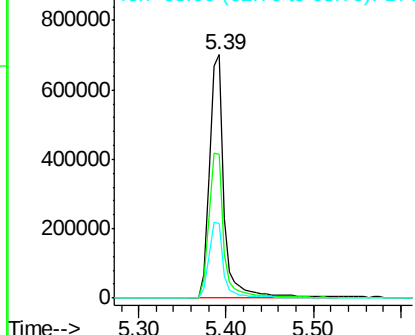
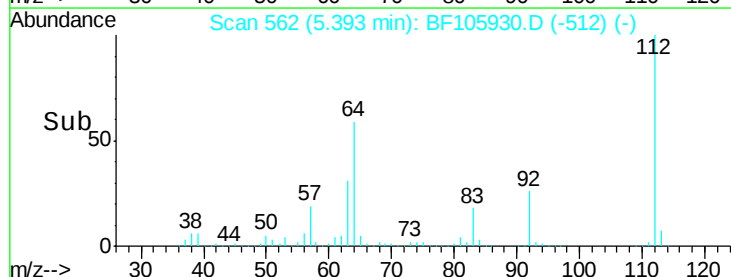
#5

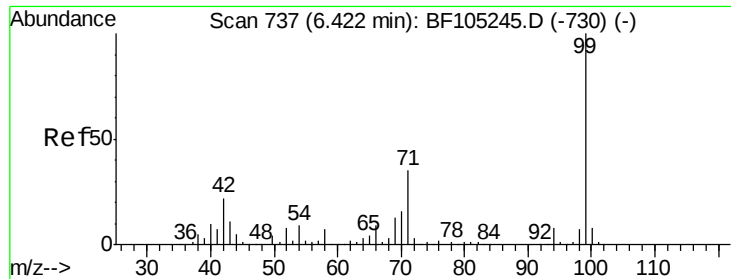
2-Fluorophenol
Concen: 89.65 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.8	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: 97.15 ng

RT: 6.42 min Scan# 736

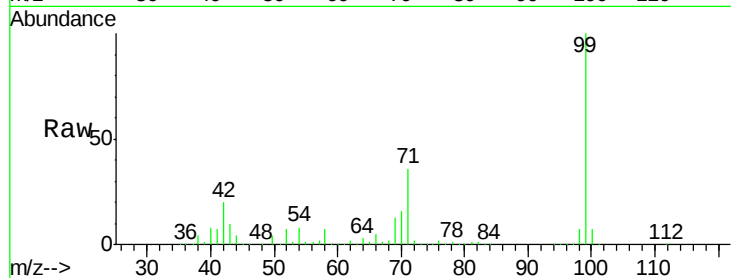
Delta R.T. -0.01 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

Tot Ion: 99 Resp: 1063256

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	35.7	25.4	38.0

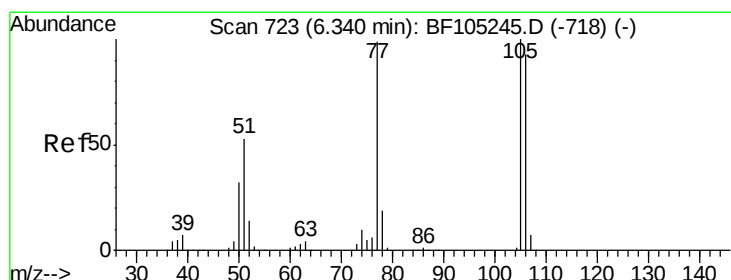
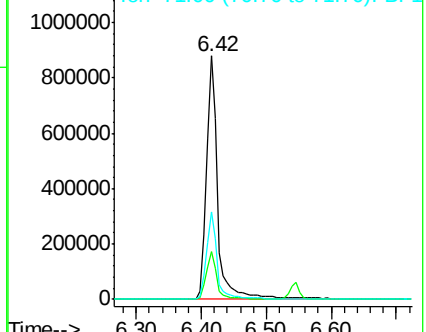
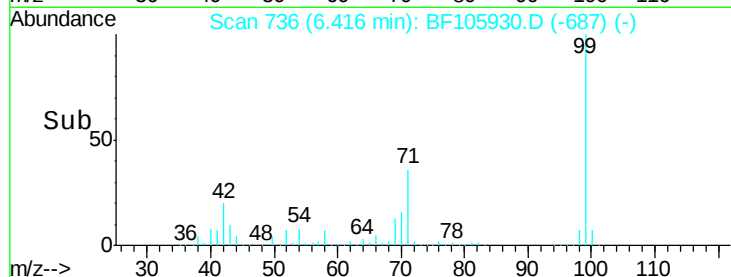


Abundance

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



#9

Benzaldehyde

Concen: 2.52 ng

RT: 6.55 min Scan# 758

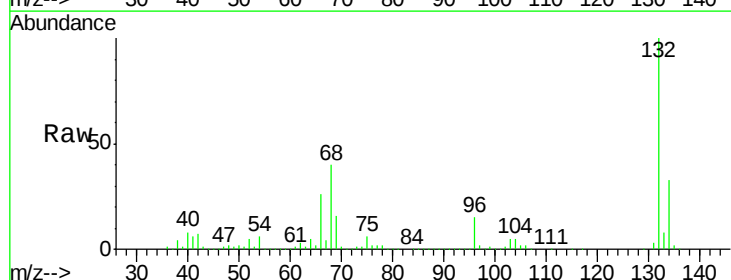
Delta R.T. 0.21 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

Tgt Ion: 77 Resp: 18764

Ion	Ratio	Lower	Upper
77	100		
105	82.4	81.1	121.1
106	77.5	74.5	114.5

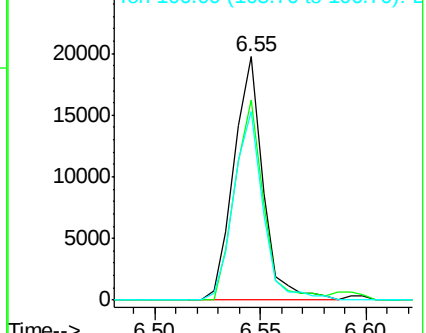
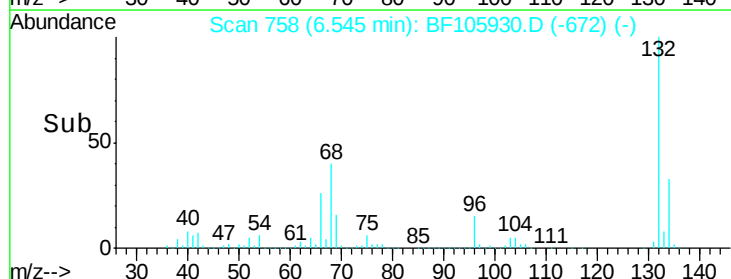


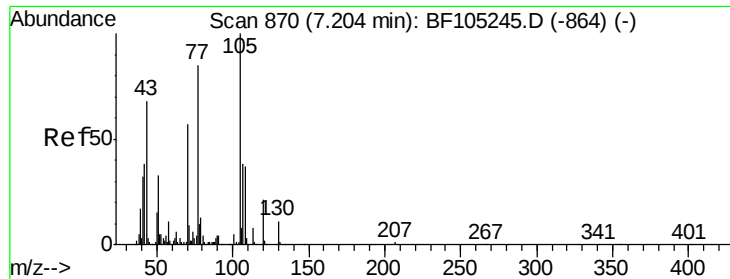
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

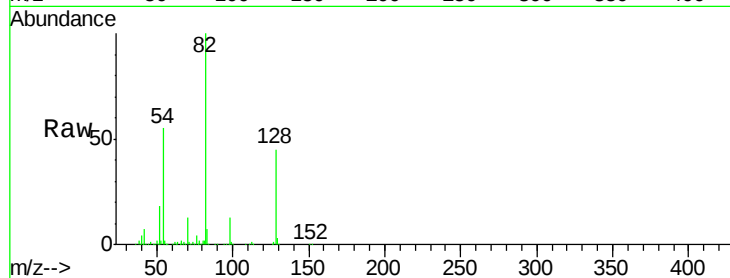
Ion 106.00 (105.70 to 106.70): BF1





#19
n-Nitroso-di-n-propylamine
Concen: 13.01 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.14 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.1	47.5	71.3
101	0.0	7.4	11.2
130	1.8	16.6	25.0



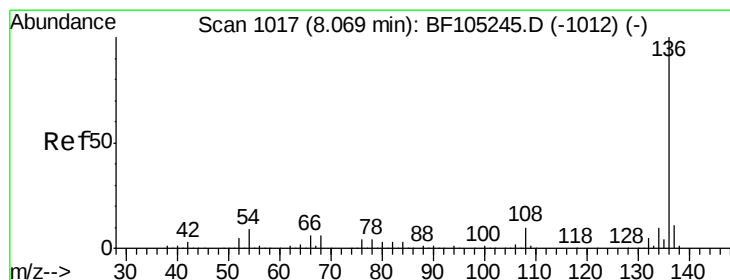
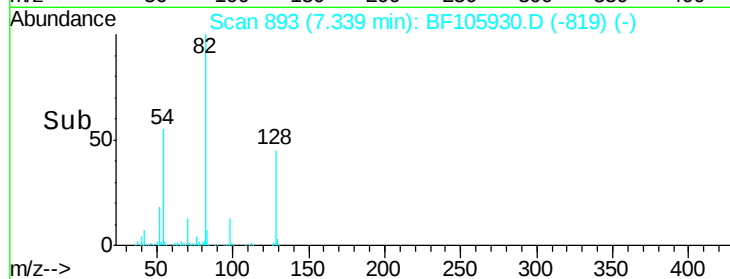
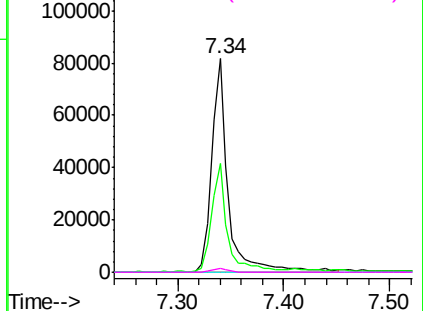
Abundance

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: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.9	6.6	9.8
68	6.0	5.0	7.4

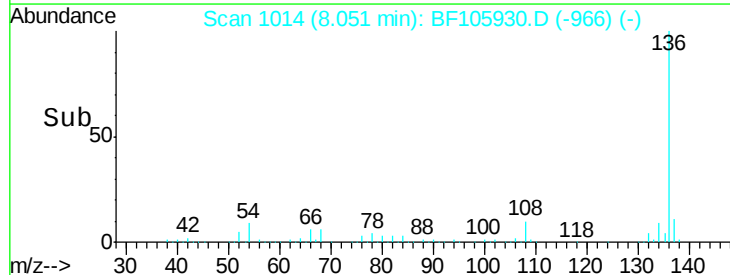
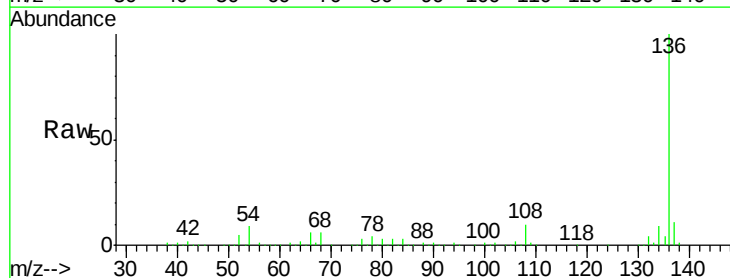
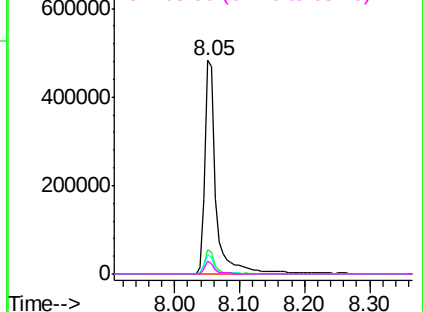
Abundance

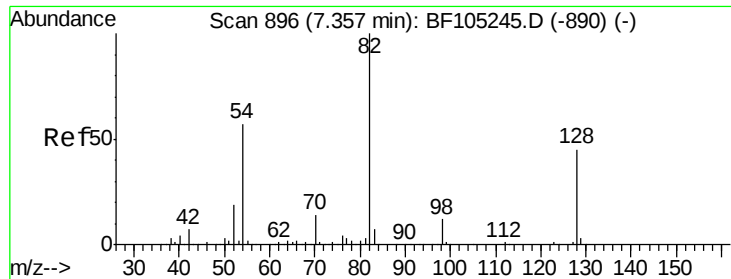
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

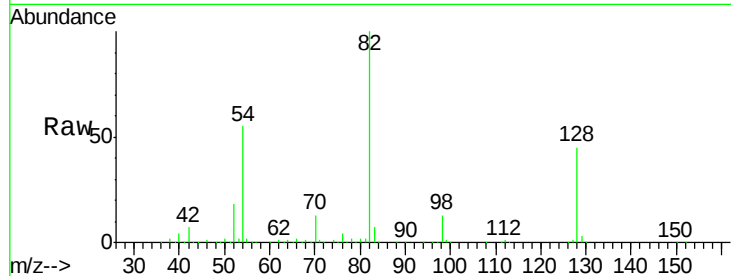
Ion 68.00 (67.70 to 68.70): BF1



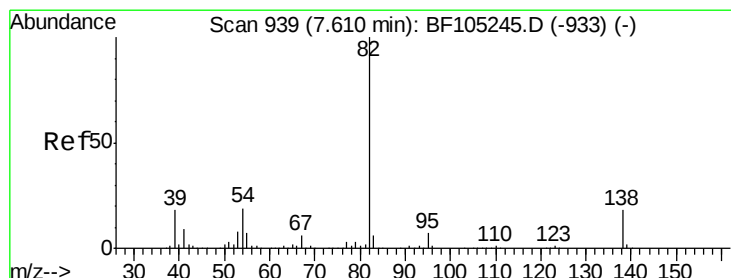
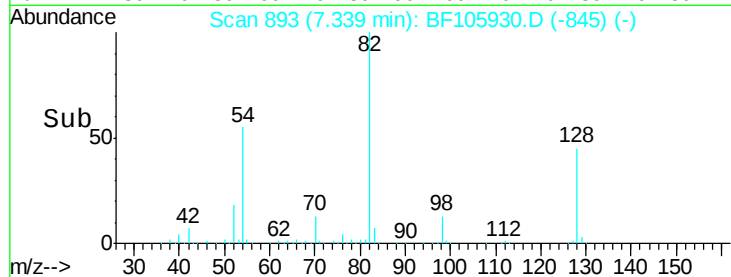
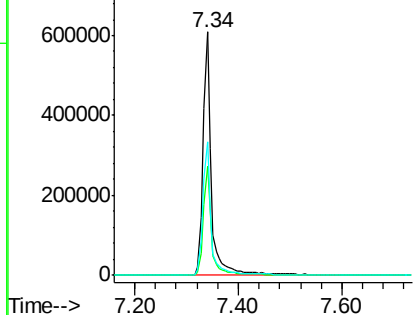


#23
Nitrobenzene-d5
Concen: 68.56 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tot Ion	82	Resp	690726
Ion Ratio	100	Lower	Upper
128	44.9	36.1	54.1
54	54.7	41.4	62.2

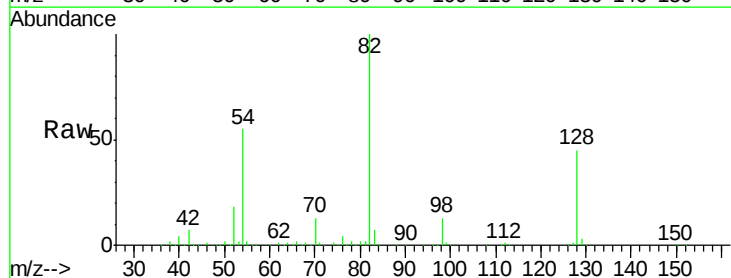


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

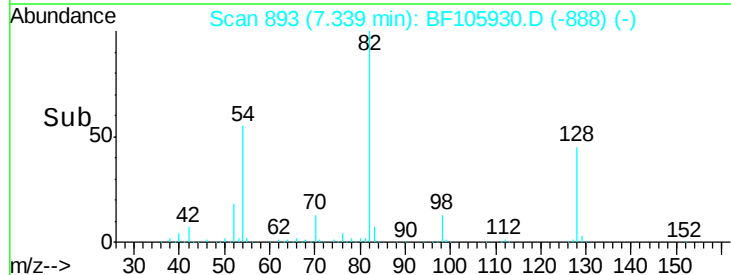
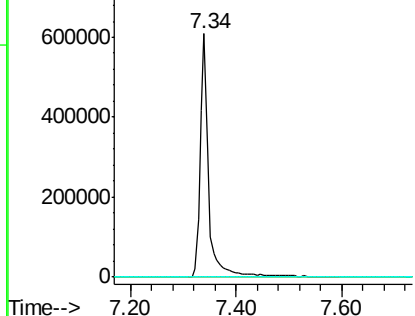


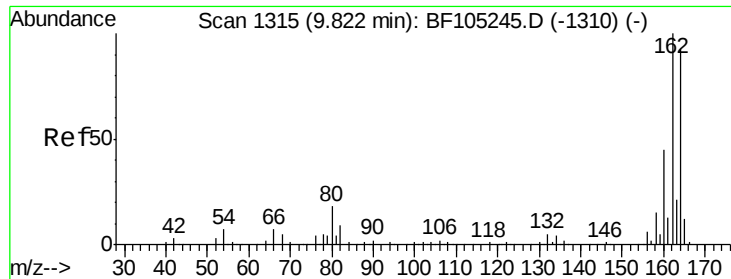
#25
Isophorone
Concen: 36.22 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.27 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tgt Ion	82	Resp	690723
Ion Ratio	100	Lower	Upper
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: 20.00 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

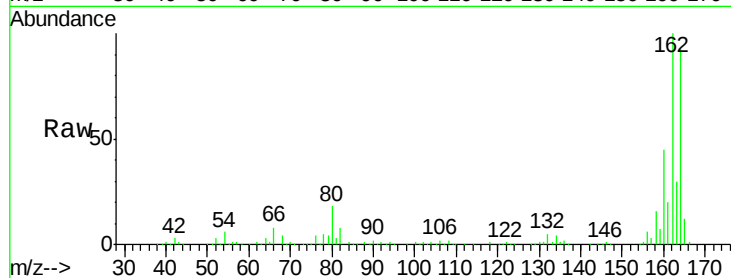
Tot Ion:164 Resp: 276854

Ion Ratio Lower Upper

164 100

162 107.2 86.1 129.1

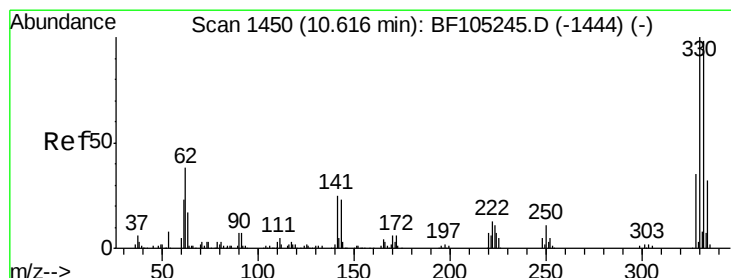
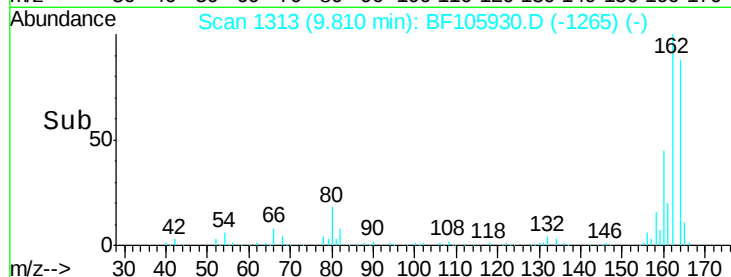
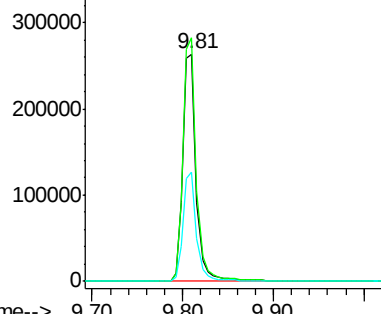
160 48.1 38.3 57.5



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: 100.50 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.02 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

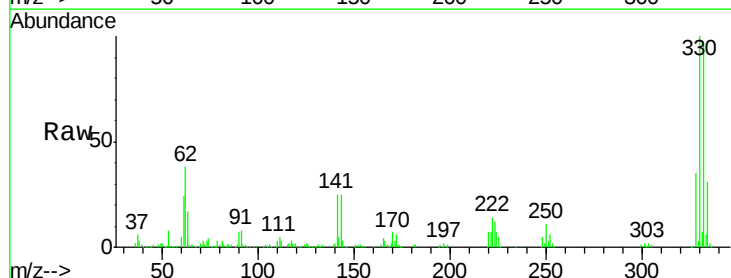
Tgt Ion:330 Resp: 359492

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

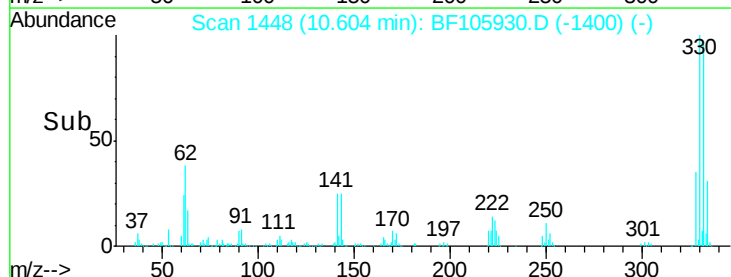
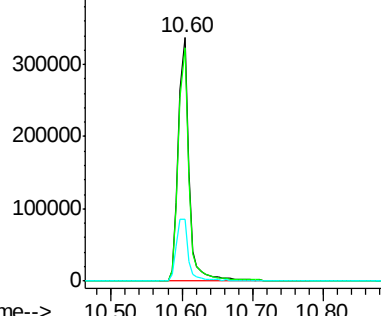
141 28.6 29.9 44.9#

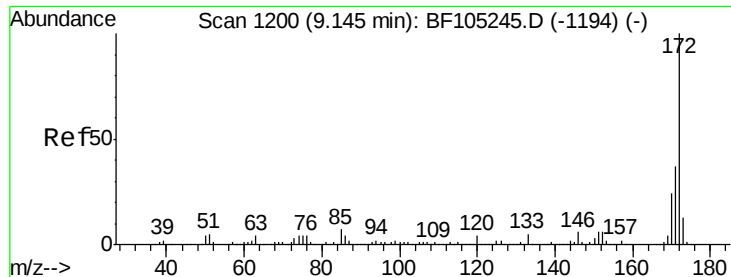


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

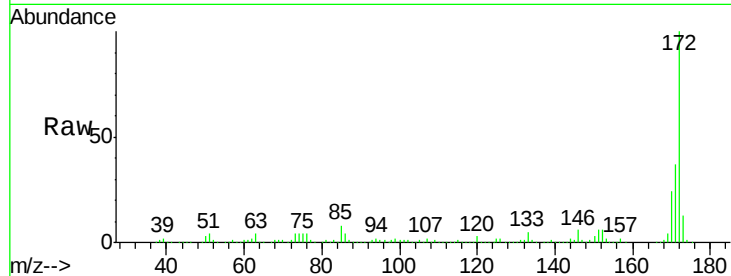




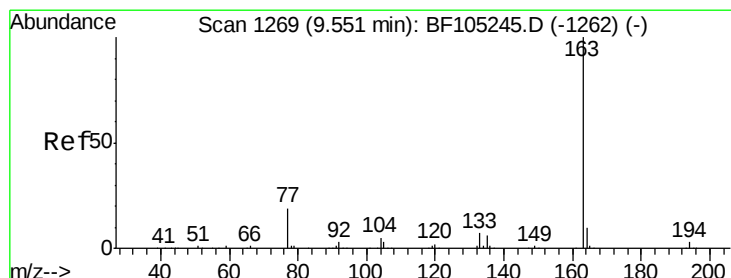
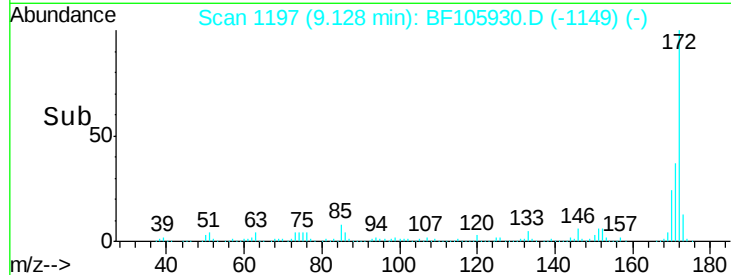
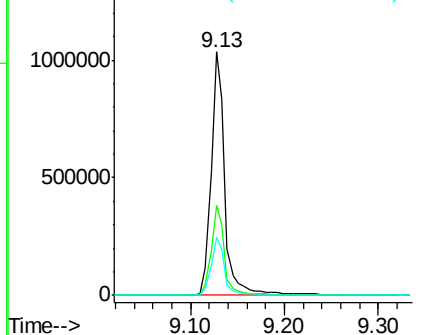
#44
 2-Fluorobiphenyl
 Concen: 56.11 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

Tot Ion:172 Resp: 1077734

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4



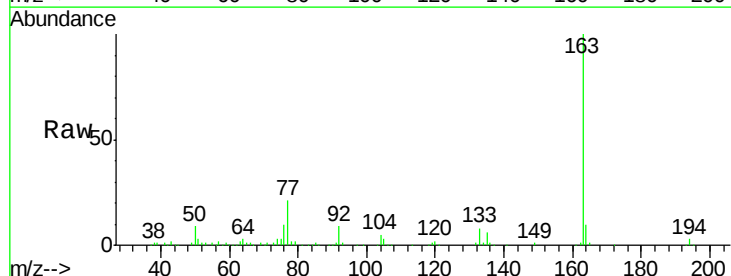
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



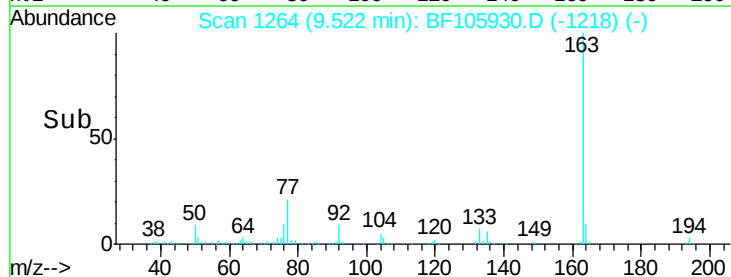
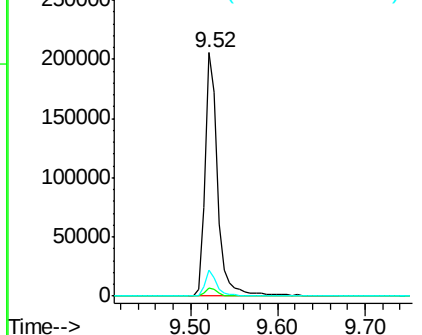
#49
 Dimethylphthalate
 Concen: 9.79 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.03 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

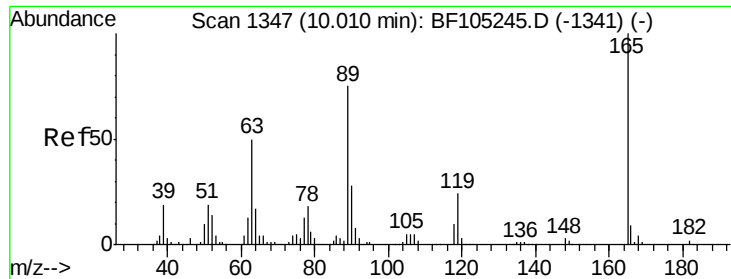
Tgt Ion:163 Resp: 208147

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.5	8.2	12.2



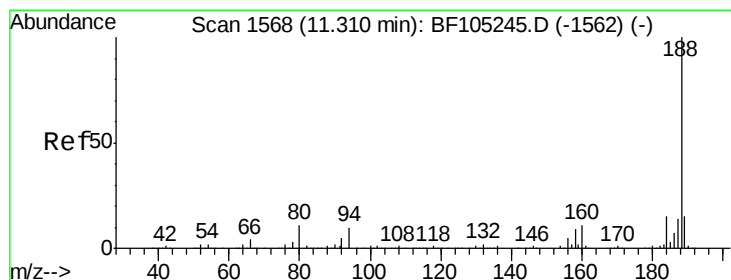
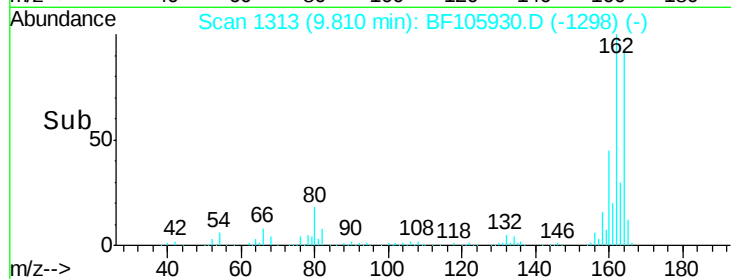
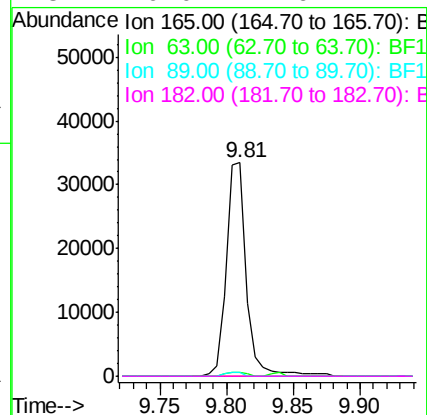
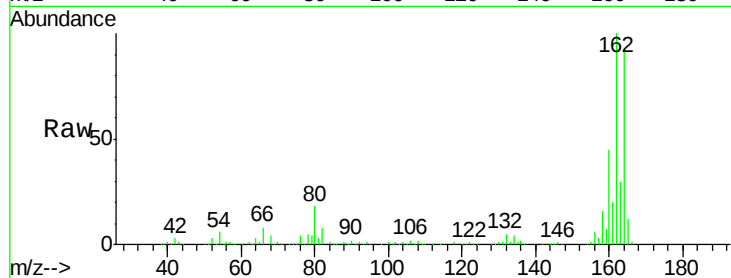
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





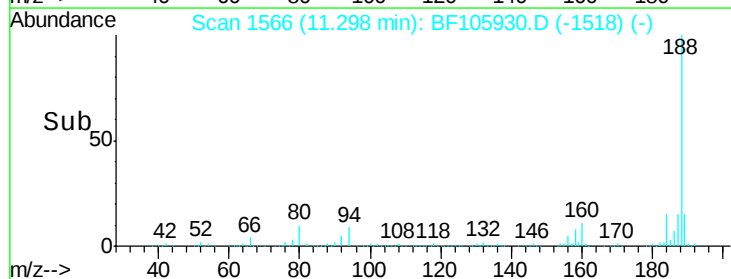
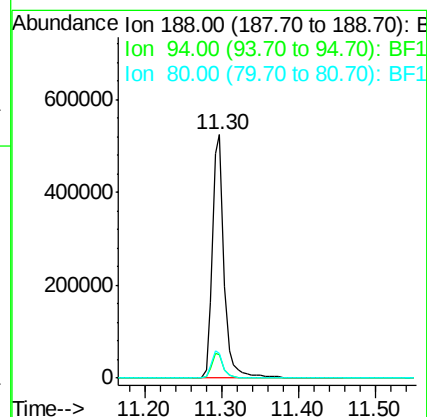
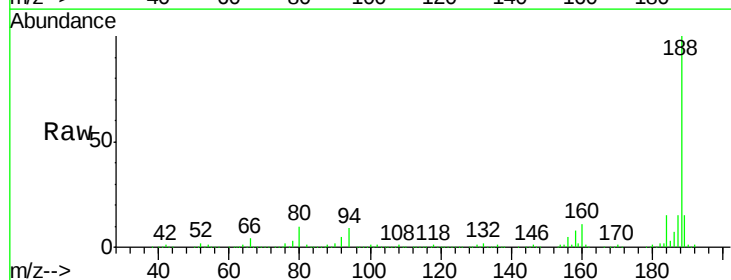
#56
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.21 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

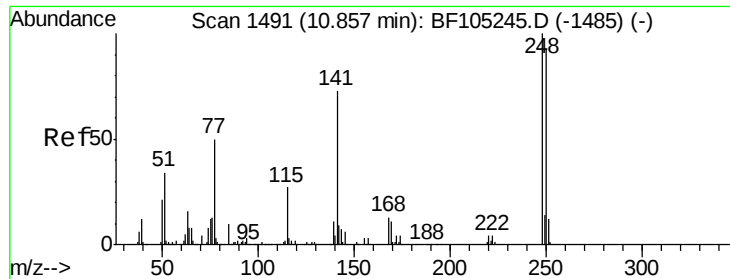
Tot Ion:165	Resp:	35661
Ion Ratio	Lower	Upper
165	100	
63	1.9	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

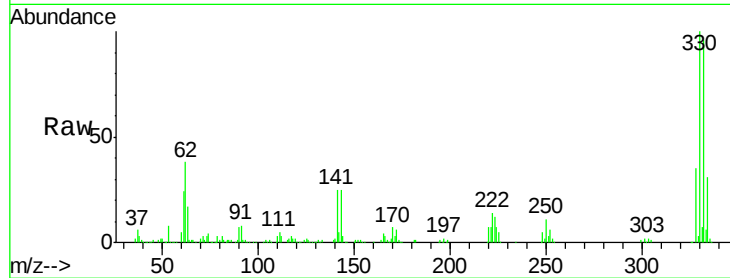
Tgt Ion:188	Resp:	550092
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.5 12.7
80	10.2	9.2 13.8



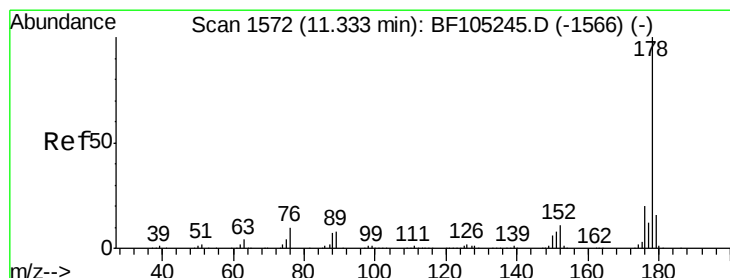
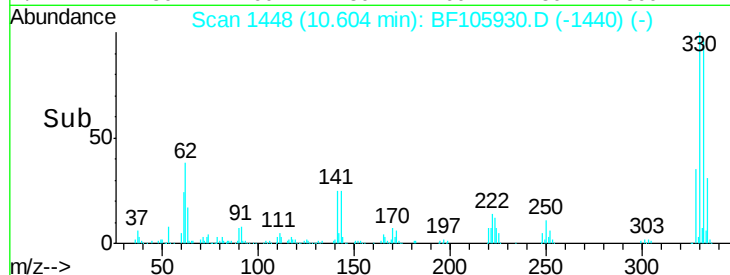
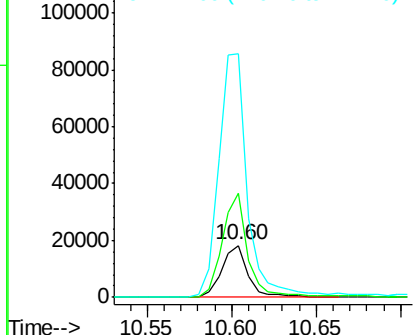


#66
 4-Bromophenyl-phenylether
 Concen: 3.26 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

Tot Ion:248 Resp: 19947
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.9 115.3#
 141 468.2 74.4 111.6#

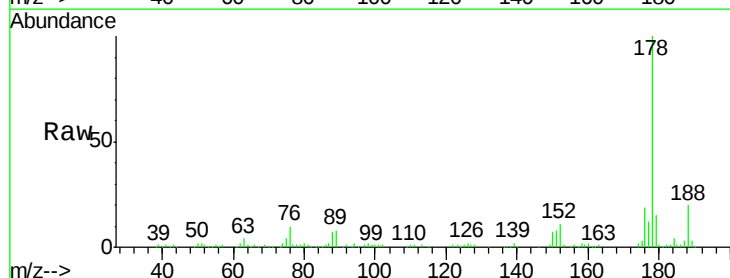


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

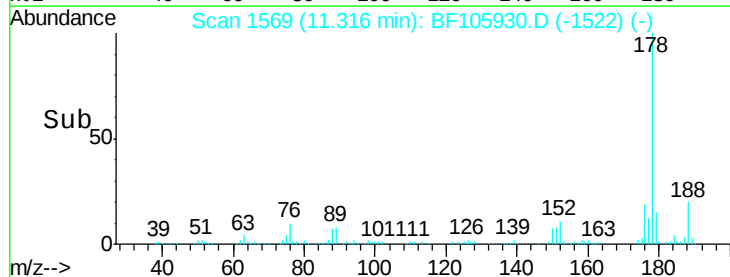
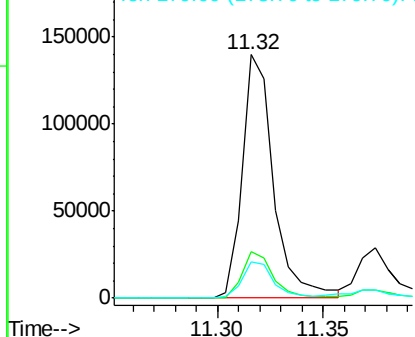


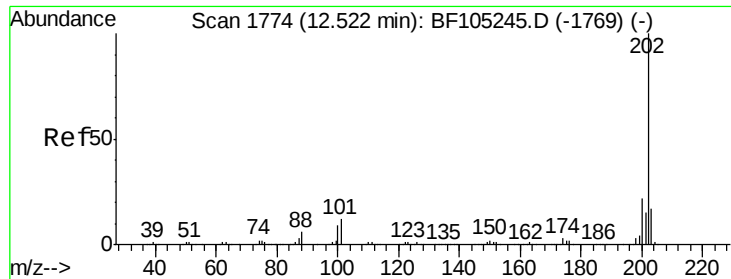
#70
 Phenanthrene
 Concen: 4.63 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF105930.D
 Acq: 29 May 2018 11:52

Tgt Ion:178 Resp: 143422
 Ion Ratio Lower Upper
 178 100
 176 19.1 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





#74

Fluoranthene

Concen: 4.97 ng

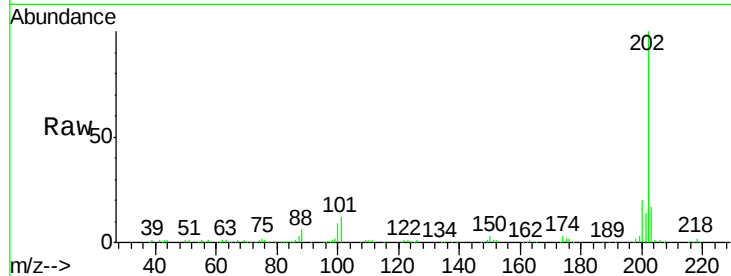
RT: 12.51 min Scan# 1772

Delta R.T. -0.02 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

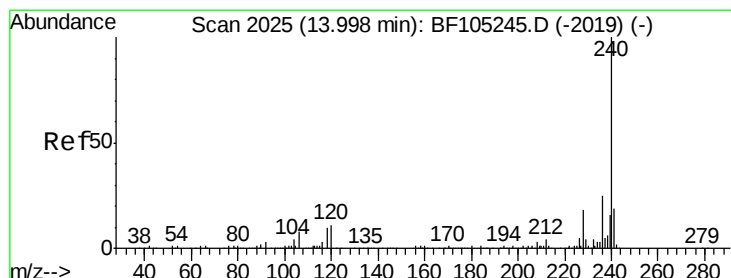
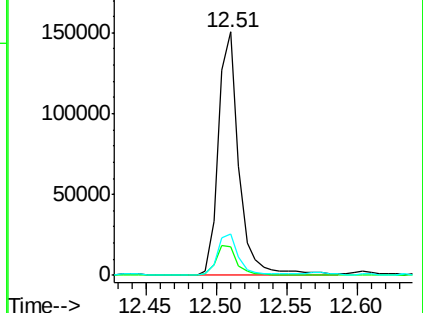
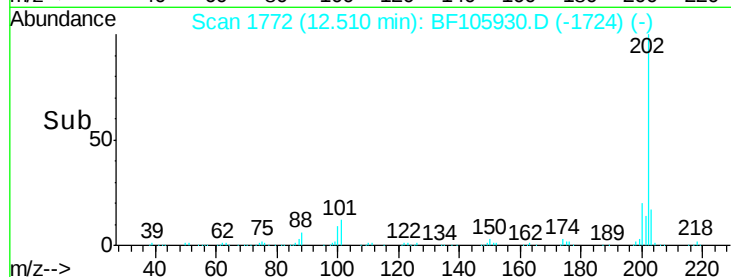
Tot Ion:	202	Resp:	153176
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	16.8	0.0	38.1



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

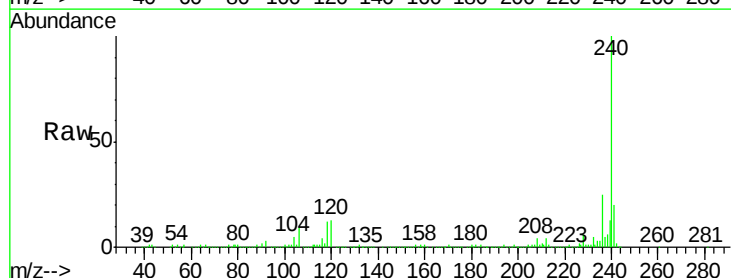
RT: 13.97 min Scan# 2021

Delta R.T. -0.04 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

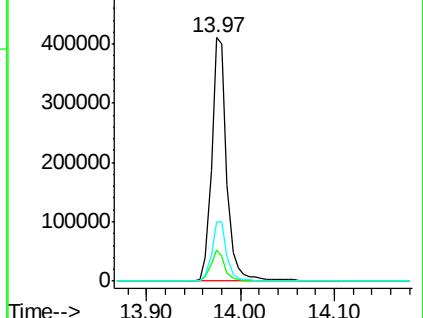
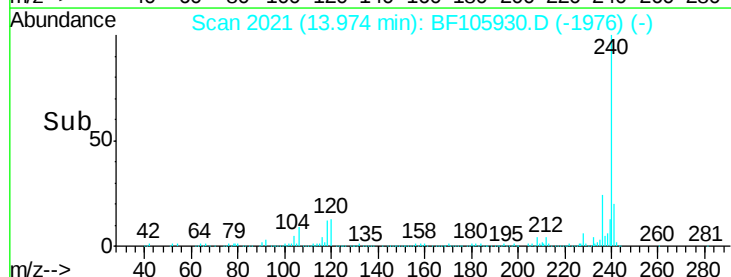
Tgt Ion:	240	Resp:	468875
Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	24.6	20.7	31.1

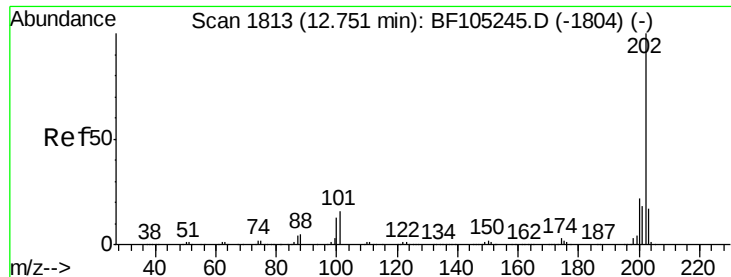


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.84 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

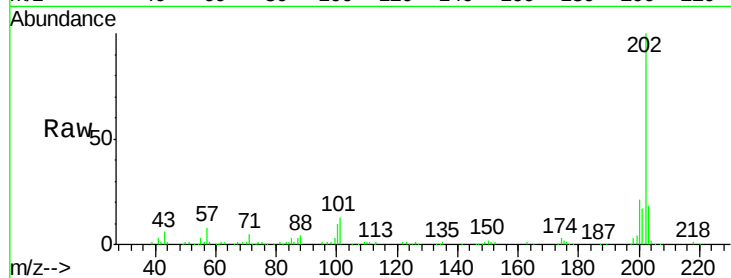
Tot Ion:202 Resp: 138918

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

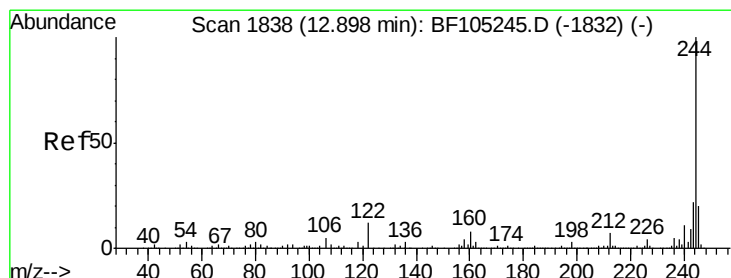
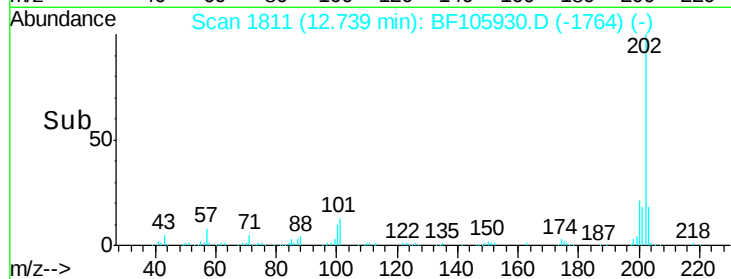
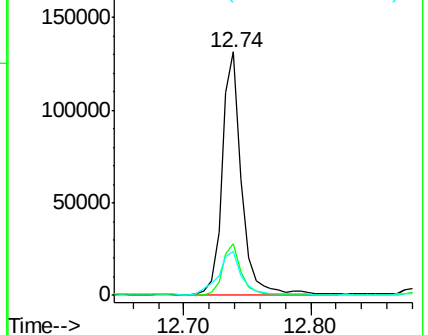
203 17.9 14.3 21.5



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: 58.49 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.02 min

Lab File: BF105930.D

Acq: 29 May 2018 11:52

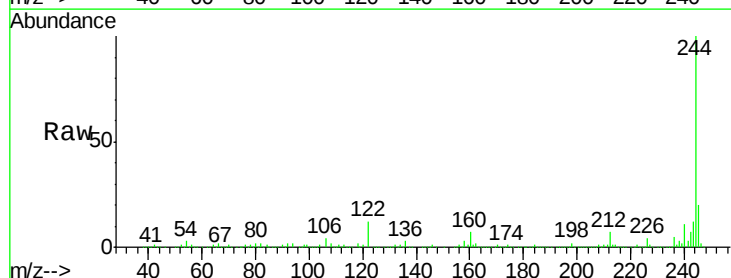
Tgt Ion:244 Resp: 1275843

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

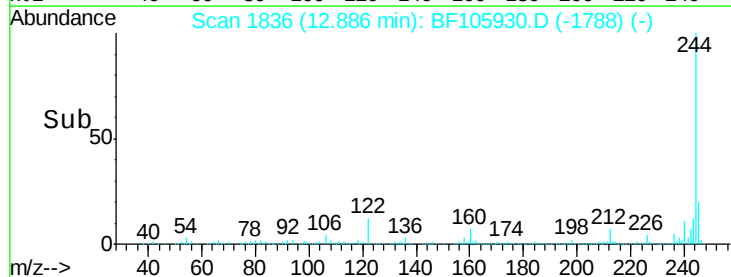
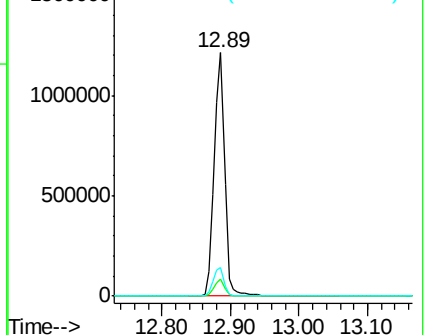
122 11.6 11.0 16.4

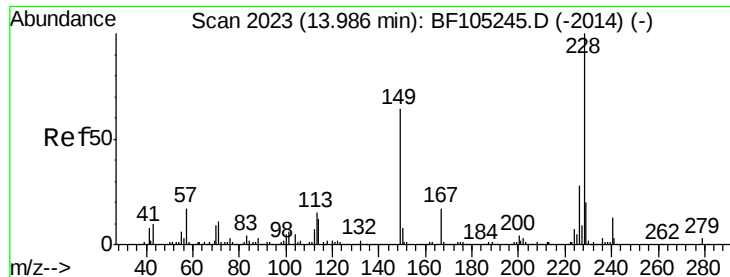


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

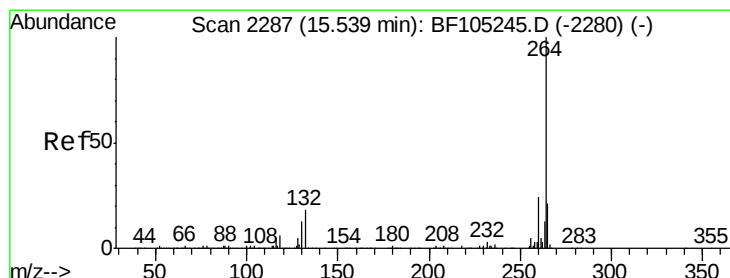
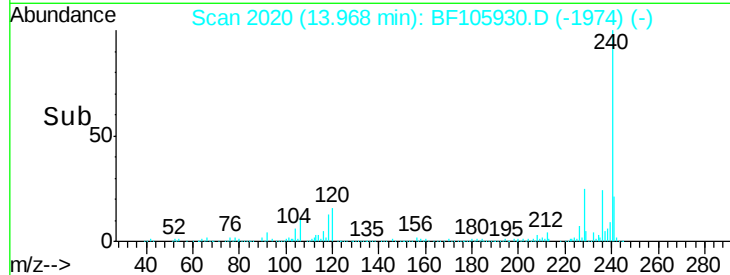
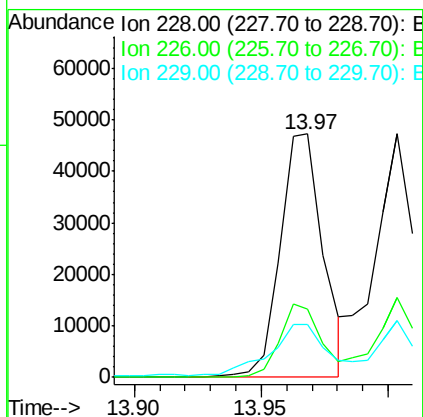
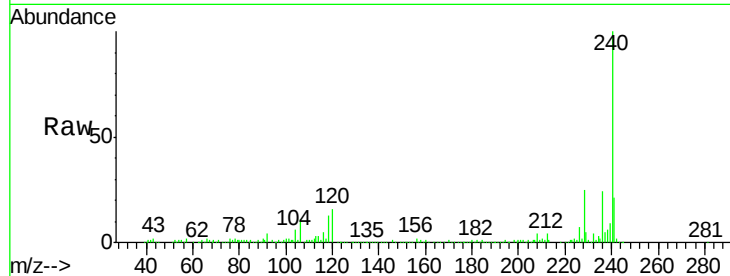
Ion 122.00 (121.70 to 122.70): E





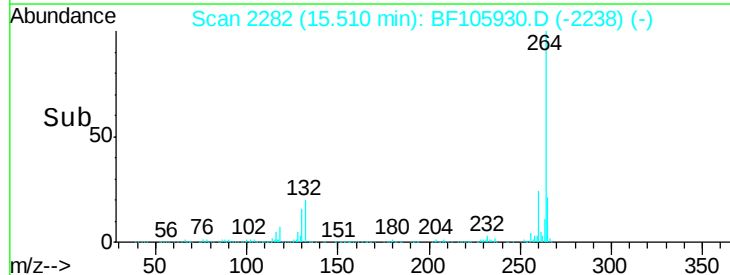
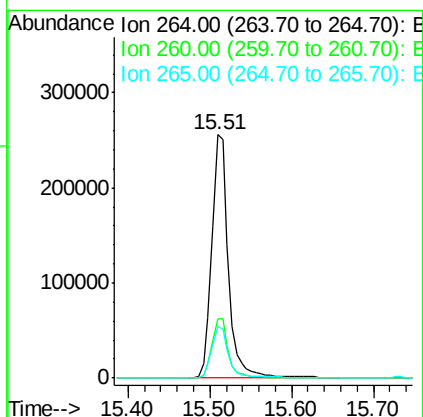
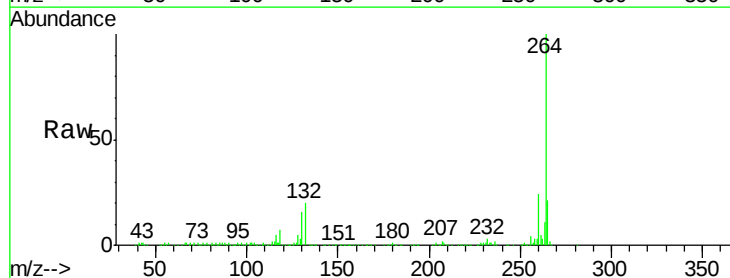
#80
Benzo(a)anthracene
Concen: 2.04 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

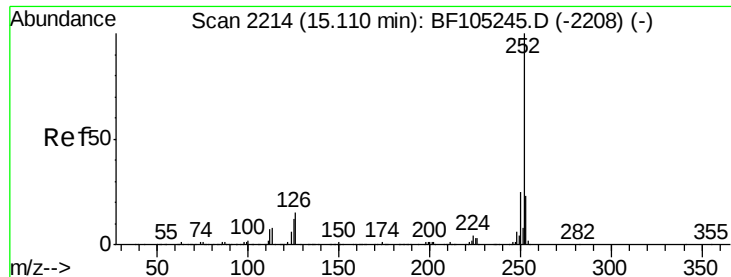
Tot Ion:228 Resp: 55732
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 21.5 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.04 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

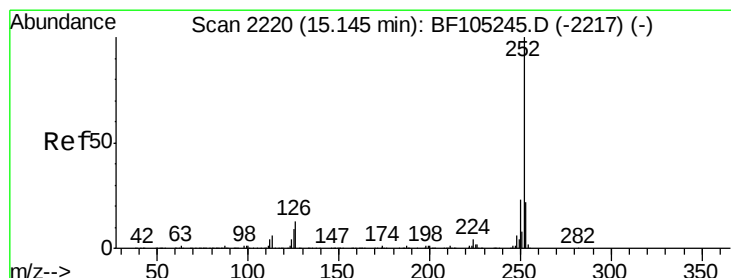
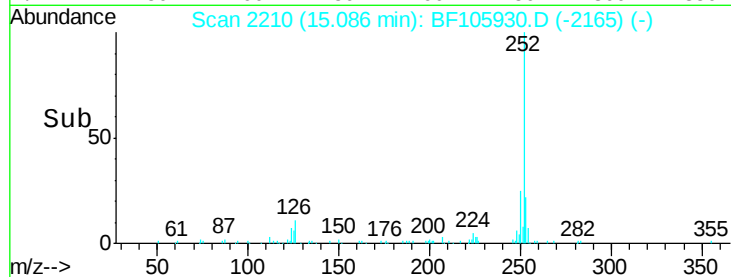
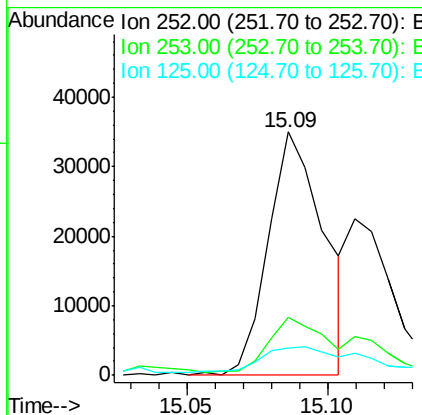
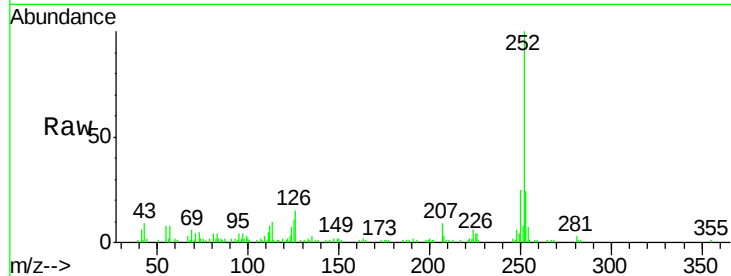
Tgt Ion:264 Resp: 365892
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.0 17.5 26.3





#87
Benzo(b)fluoranthene
Concen: 2.19 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	11.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.27 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.07 min
Lab File: BF105930.D
Acq: 29 May 2018 11:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.4	10.2	15.2

