

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104900.D
 Acq On : 27 Apr 2018 23:46
 Operator : JU/SJ
 Sample : J2549-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

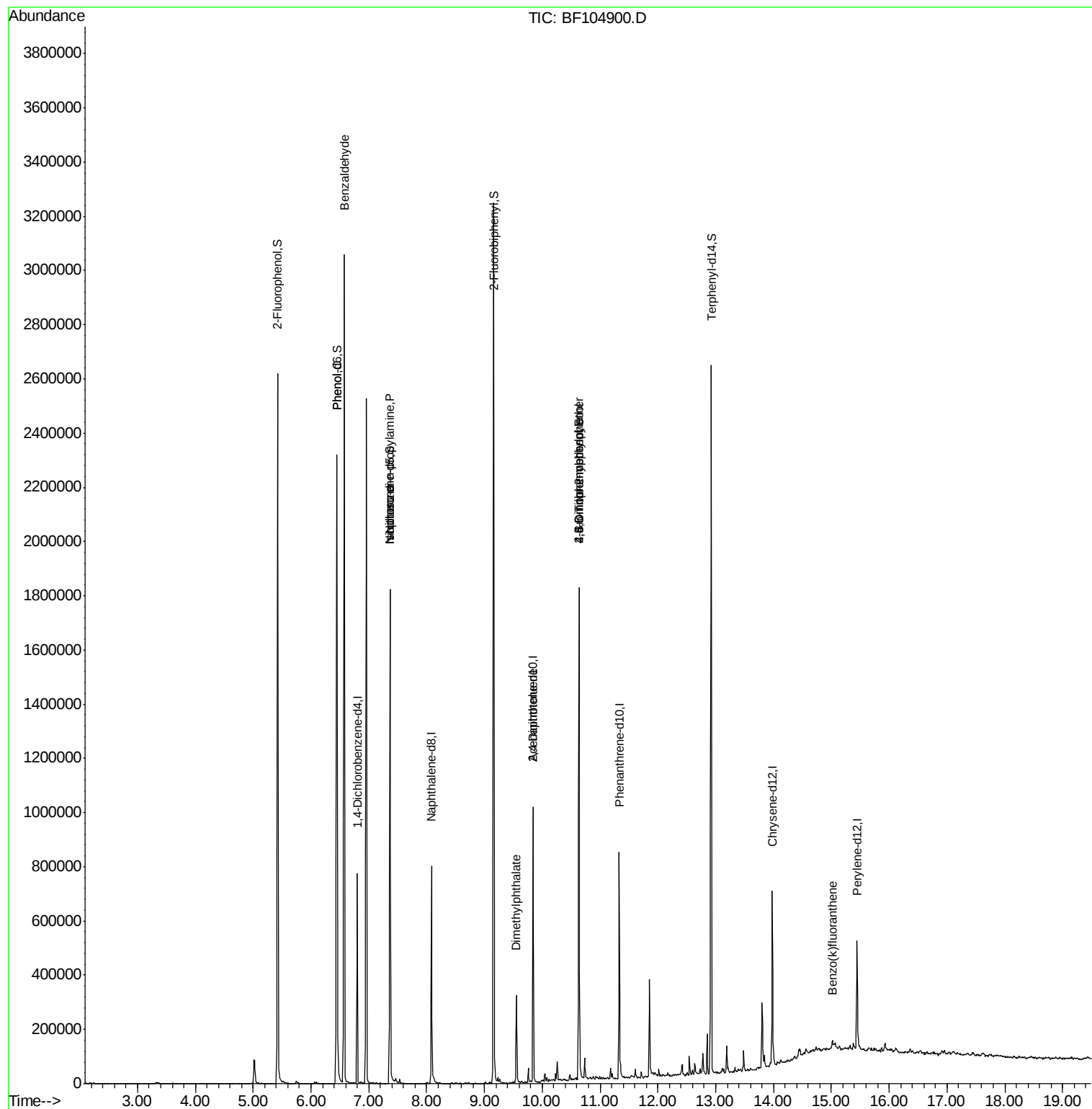
Quant Time: Apr 28 02:15:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

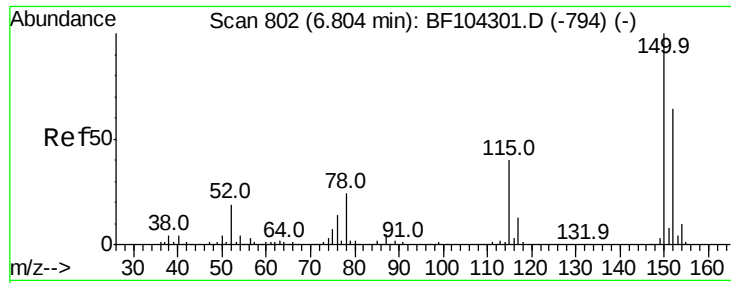
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104753	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	437052	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	194568	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	322723	20.00	ng	0.00
75) Chrysene-d12	13.98	240	206701	20.00	ng	0.00
86) Perylene-d12	15.44	264	177436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	871933	127.27	ng	0.01
7) Phenol-d6	6.45	99	1064144	126.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	652192	97.44	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	264148	130.88	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1101862	89.46	ng	0.00
78) Terphenyl-d14	12.92	244	877088	96.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	18898	2.145	ng	84
10) Phenol	6.46	94	23536	2.635	ng	78
19) n-Nitroso-di-n-propylamine	7.37	70	84201	15.308	ng	# 71
25) Isophorone	7.37	82	652184	46.079	ng	# 64
49) Dimethylphthalate	9.55	163	140496	9.157	ng	99
56) 2,4-Dinitrotoluene	9.84	165	25232	6.775	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	335	7.528	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	16206	4.721	ng	# 1
76) Benzidine	12.92	184	11567	Below Cal		97
88) Benzo(k)fluoranthene	15.02	252	22112	2.090	ng	# 88

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

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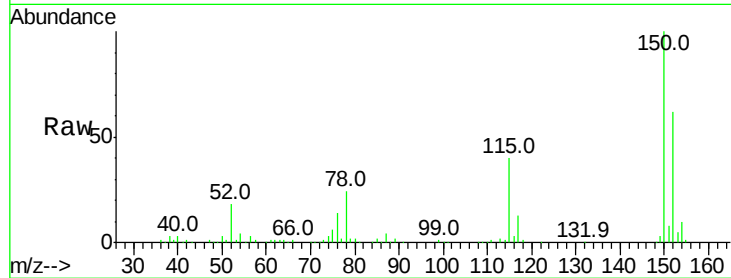




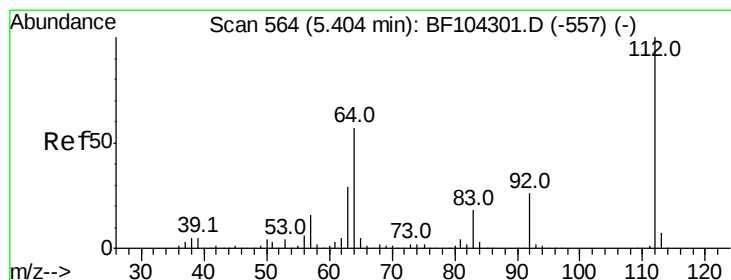
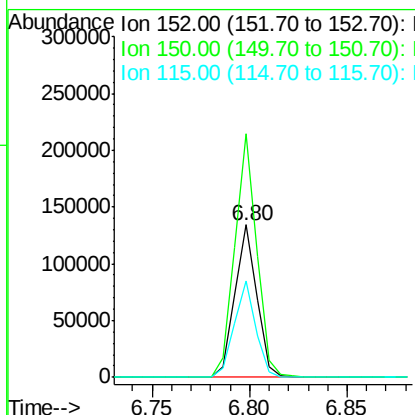
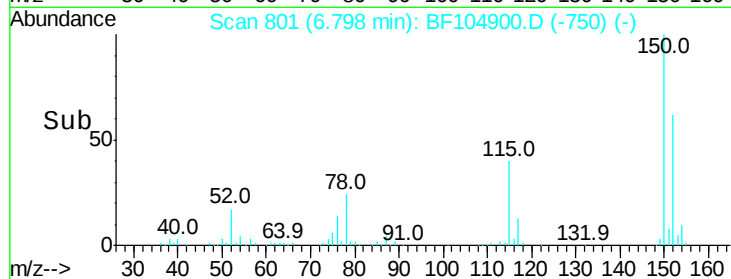
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	63.7	50.1	75.1



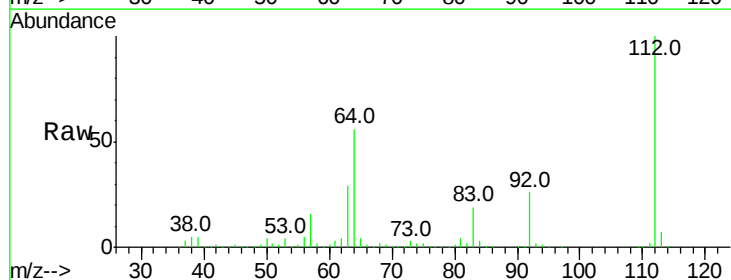
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



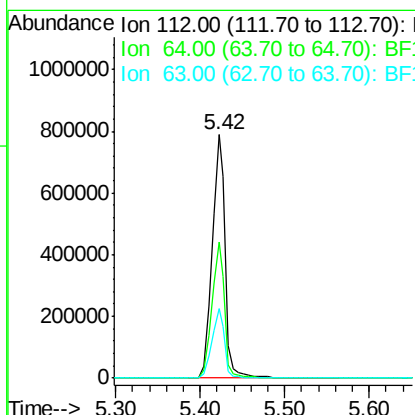
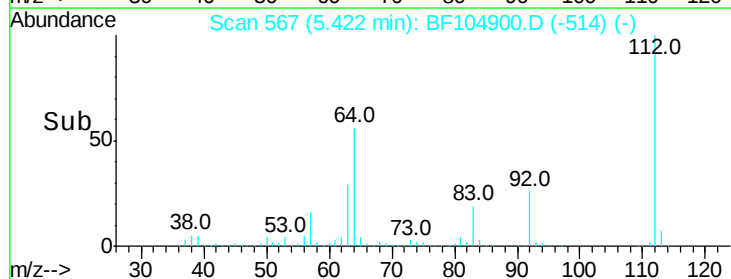
#5

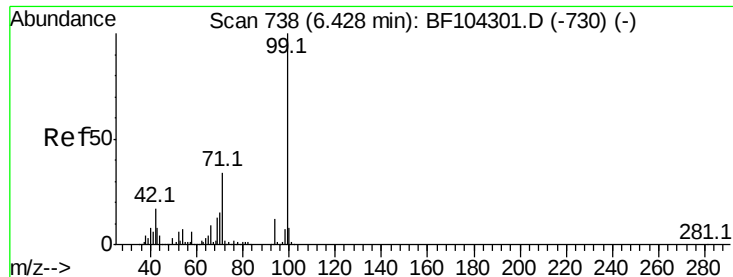
2-Fluorophenol
Concen: 127.274 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	28.8	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: 126.421 ng

RT: 6.45 min Scan# 742

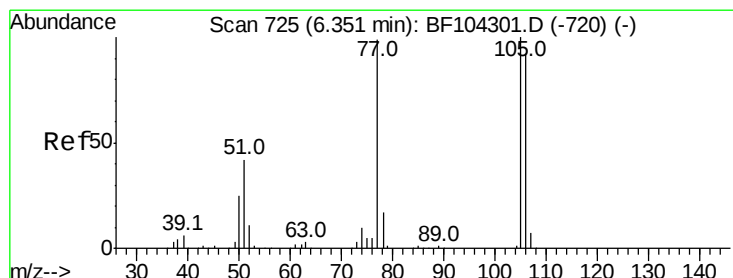
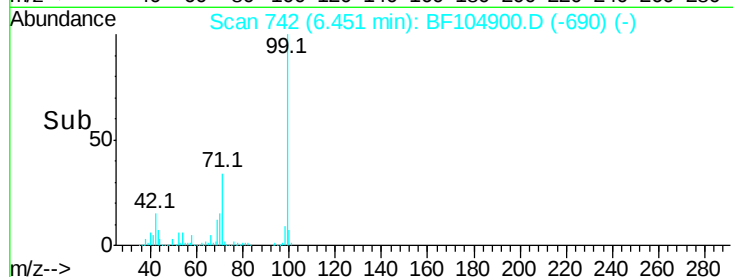
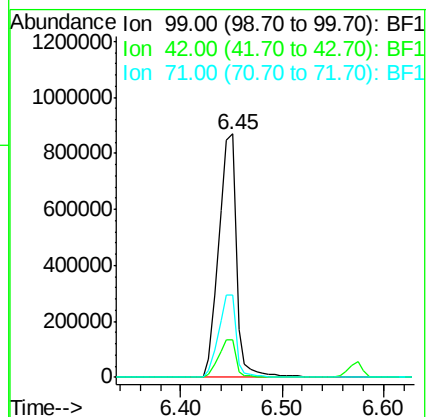
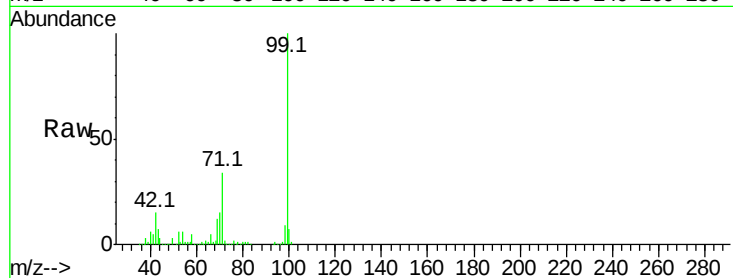
Delta R.T. 0.01 min

Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

Tot Ion: 99 Resp: 1064144

Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	33.6	25.4	38.0



#9

Benzaldehyde

Concen: 2.145 ng

RT: 6.57 min Scan# 763

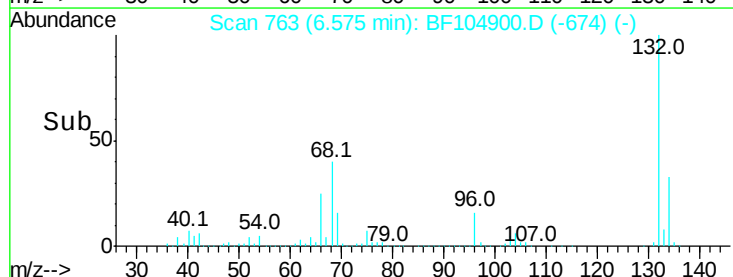
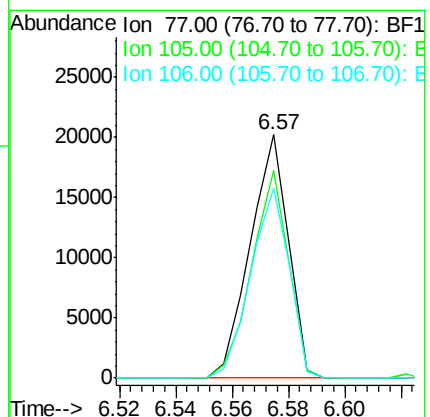
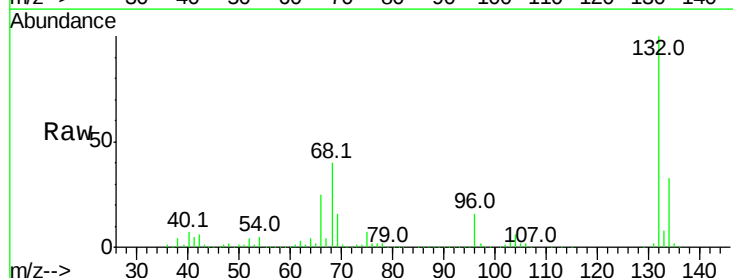
Delta R.T. 0.22 min

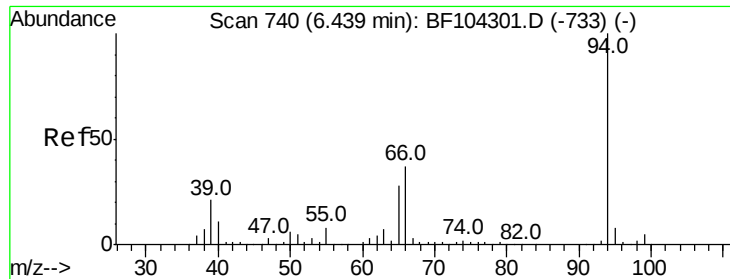
Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

Tgt Ion: 77 Resp: 18898

Ion	Ratio	Lower	Upper
77	100		
105	85.2	81.1	121.1
106	78.0	74.5	114.5





#10

Phenol

Concen: 2.635 ng

RT: 6.46 min Scan# 743

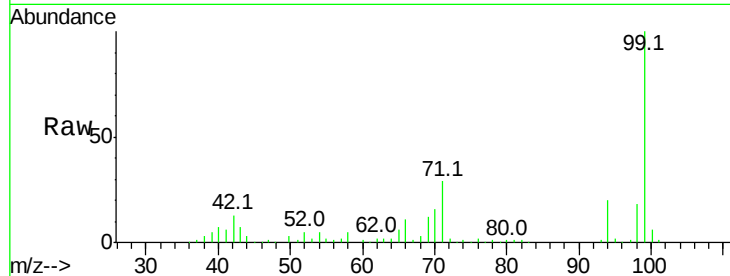
Delta R.T. 0.00 min

Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

Tot Ion: 94 Resp: 23536

Ion	Ratio	Lower	Upper
94	100		
65	31.9	7.9	47.9
66	55.5	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

50000

40000

30000

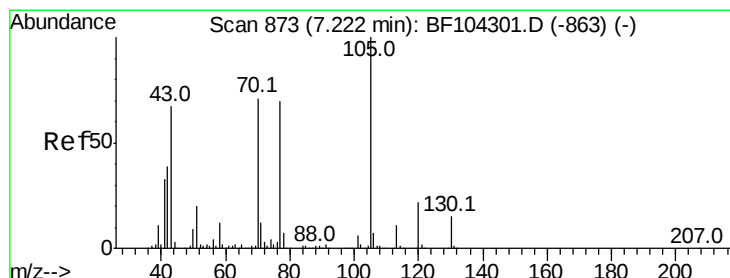
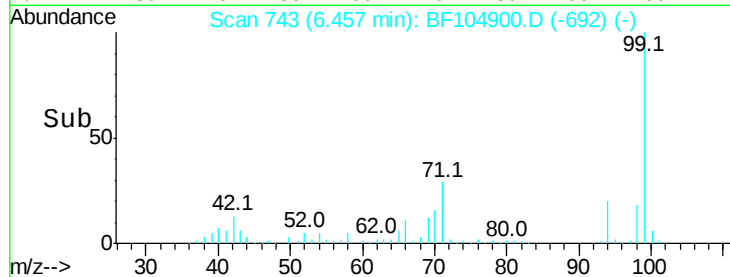
20000

10000

0

6.40 6.45 6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.308 ng

RT: 7.37 min Scan# 898

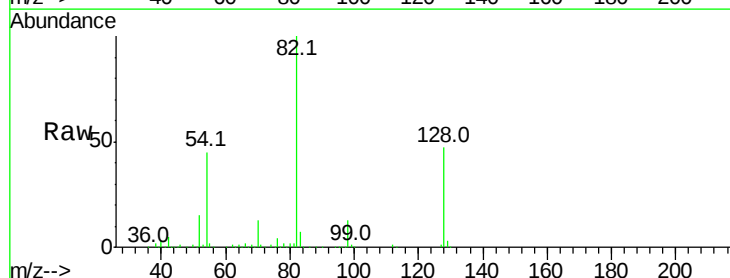
Delta R.T. 0.15 min

Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

Tgt Ion: 70 Resp: 84201

Ion	Ratio	Lower	Upper
70	100		
42	39.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	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

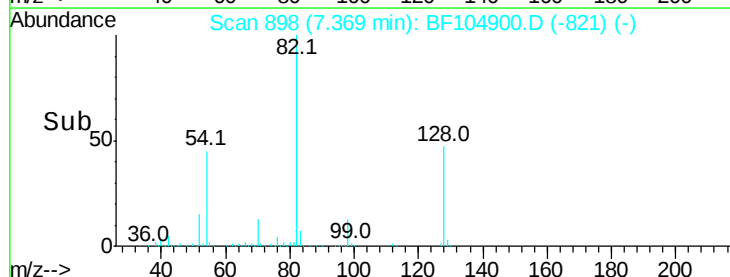
100000

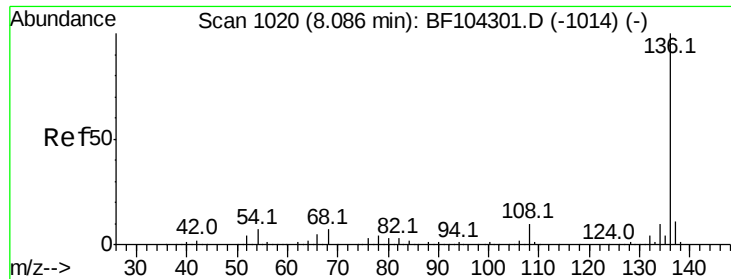
50000

0

7.30 7.35 7.40 7.45

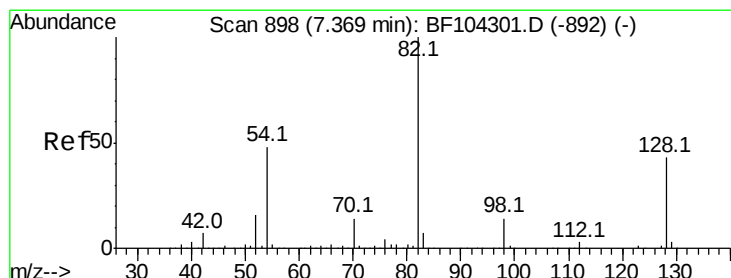
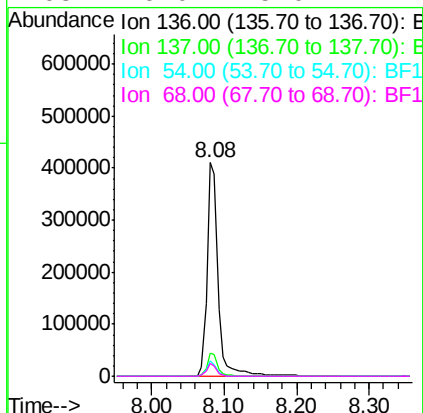
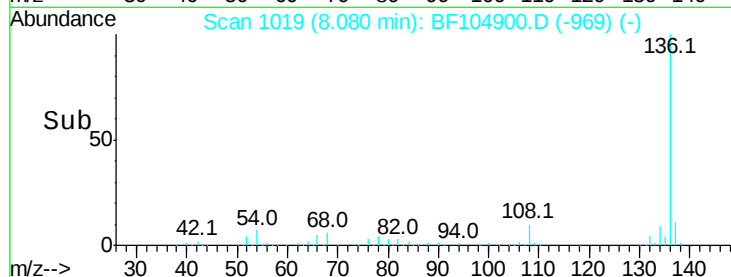
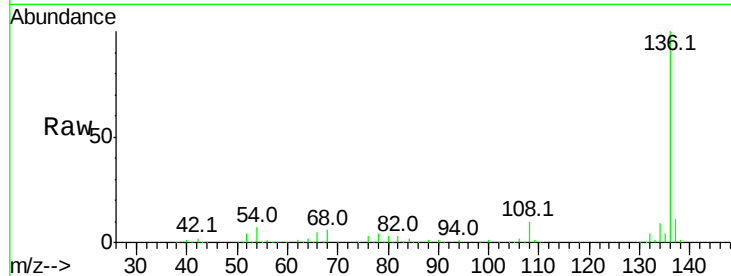
Time-->





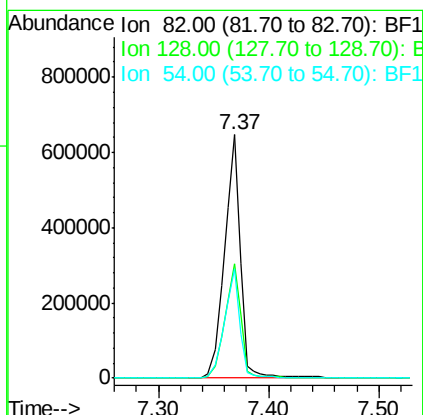
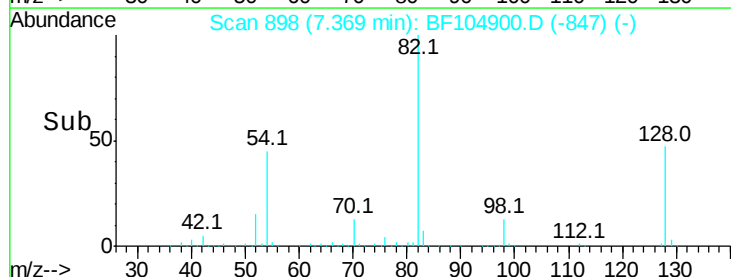
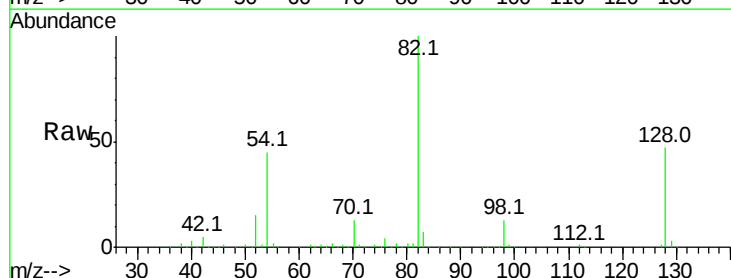
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

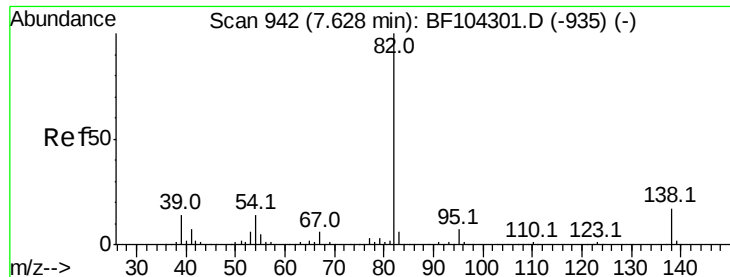
Tot Ion:136	Resp:	437052	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.9	13.3	
54 7.2	6.6	9.8	
68 6.0	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 97.441 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

Tgt	Ion: 82	Resp:	652192
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	44.8	41.4	62.2





#25

Isophorone

Concen: 46.079 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

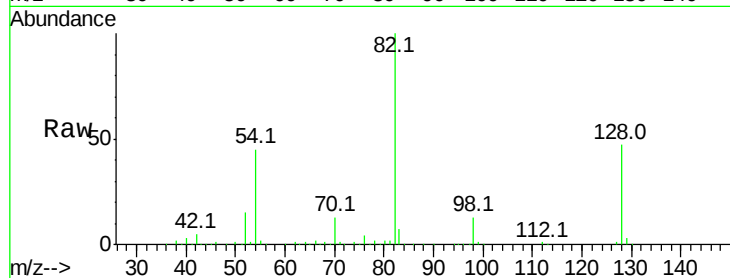
Tot Ion: 82 Resp: 652184

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

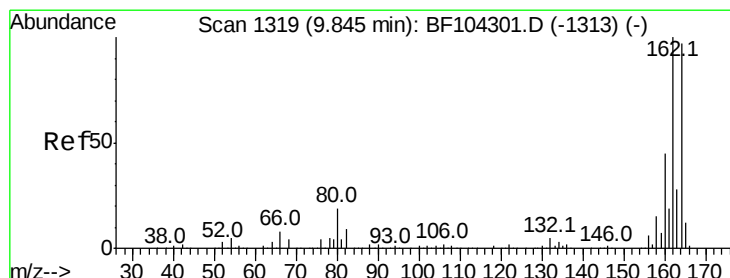
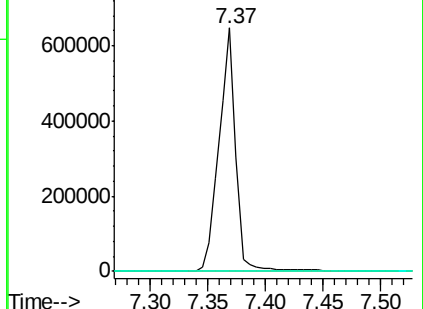
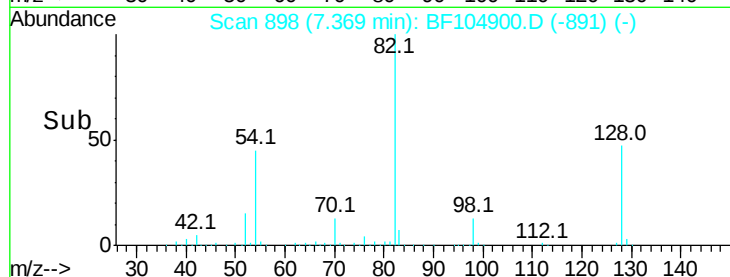
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104900.D

Acq: 27 Apr 2018 23:46

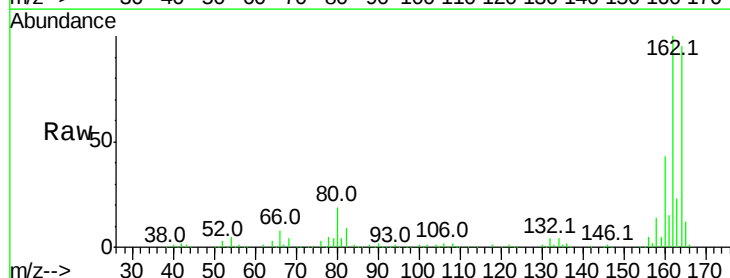
Tgt Ion:164 Resp: 194568

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

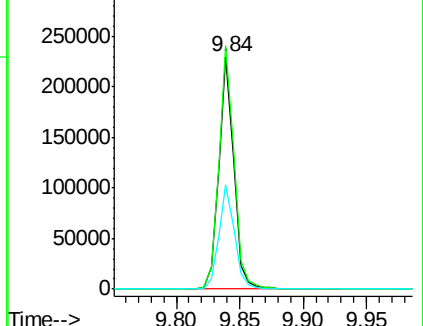
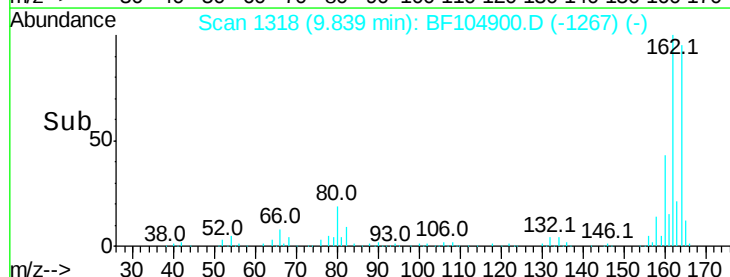
160 45.0 38.3 57.5

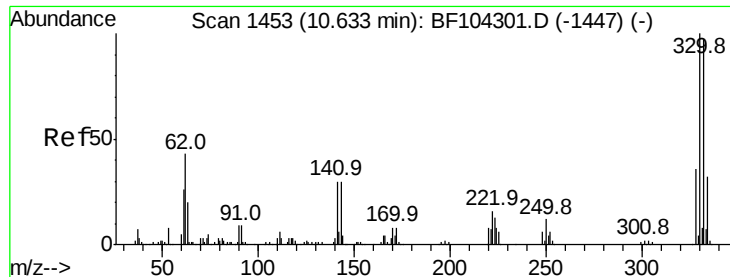


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

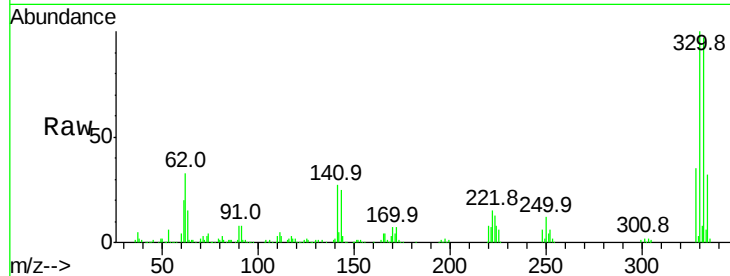
Ion 160.00 (159.70 to 160.70): E



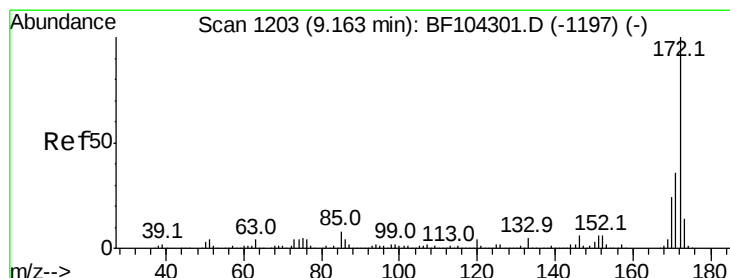
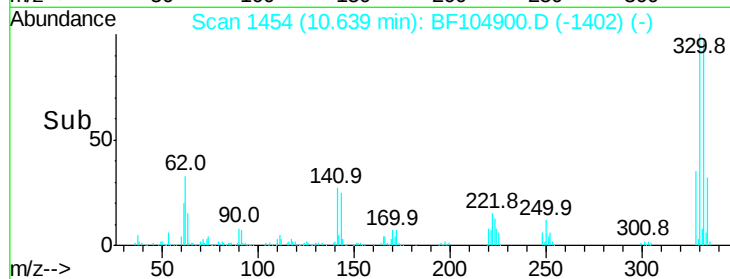
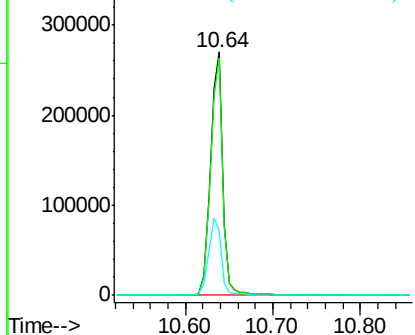


#41
 2,4,6-Tribromophenol
 Concen: 130.876 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.9	29.9	44.9

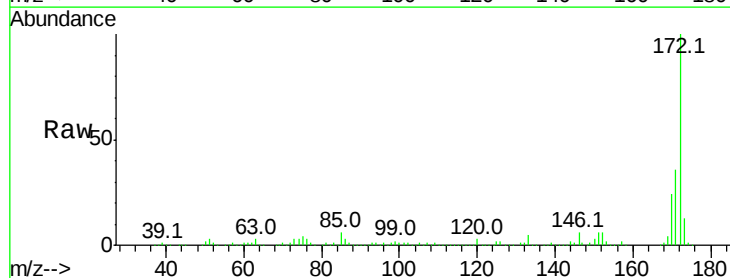


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

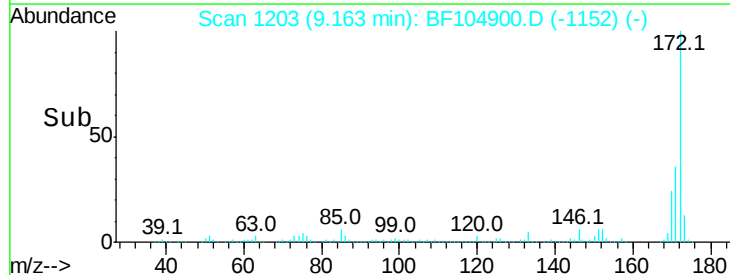
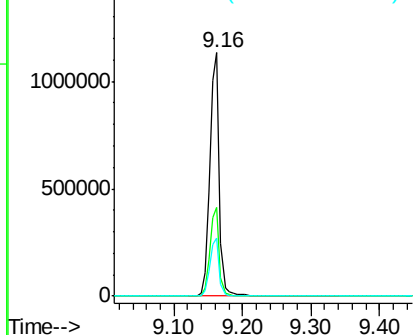


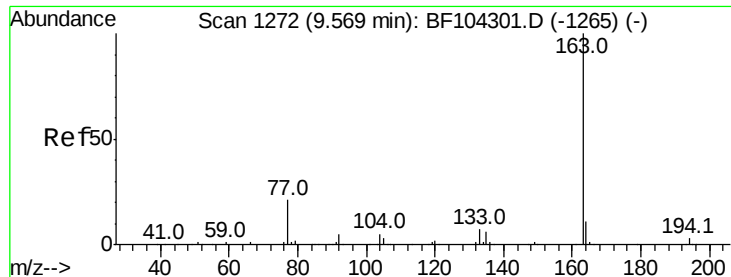
#44
 2-Fluorobiphenyl
 Concen: 89.463 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4



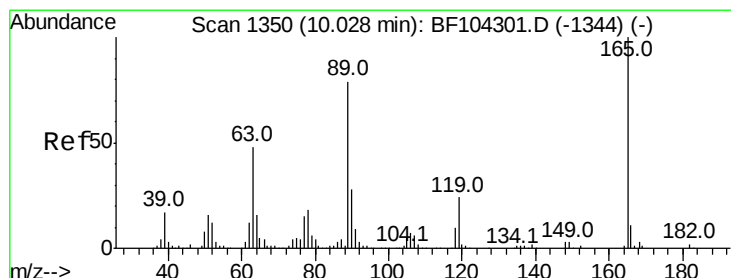
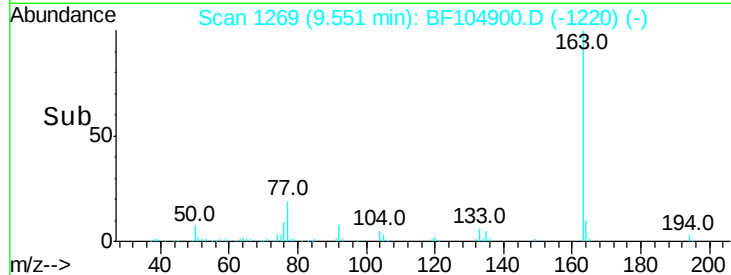
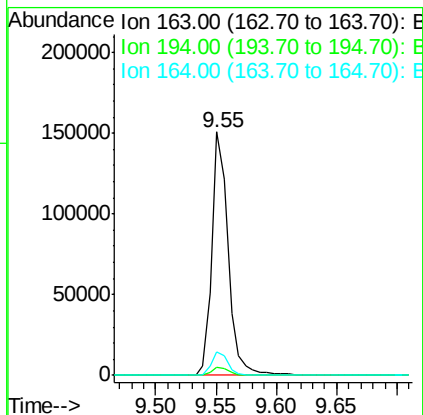
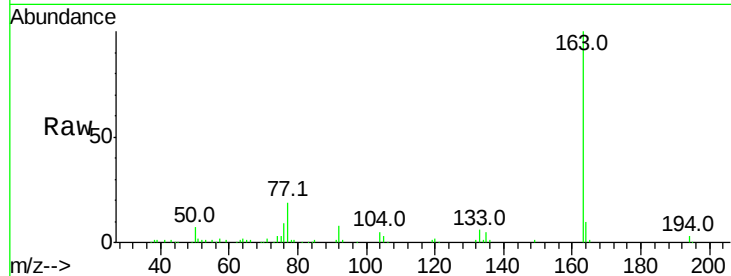
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





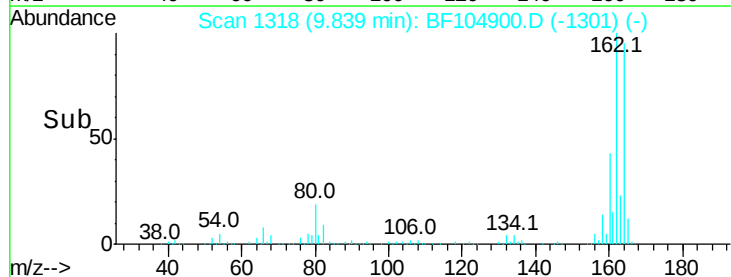
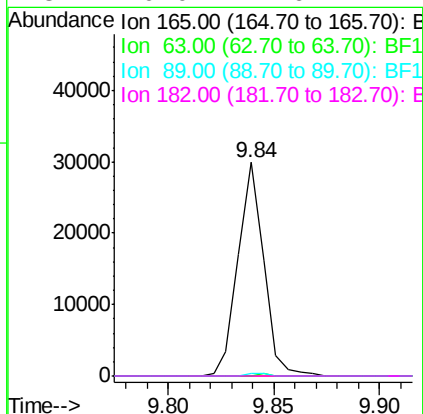
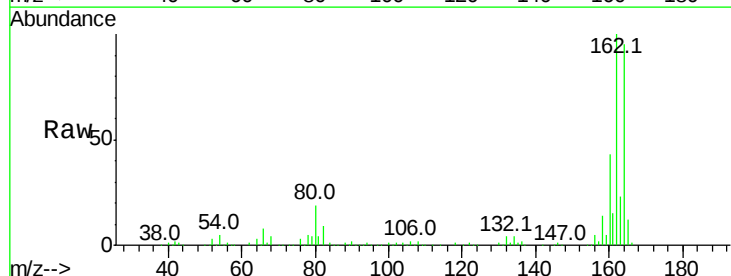
#49
 Dimethylphthalate
 Concen: 9.157 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

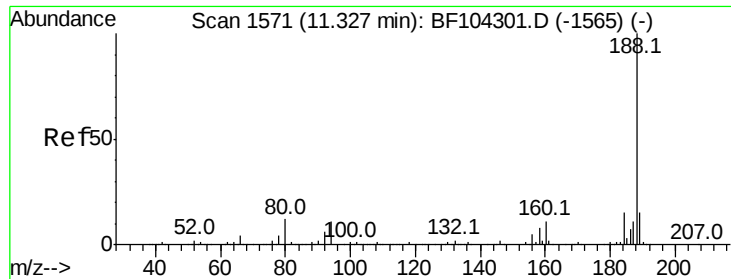
Tot Ion	163	Resp:	140496
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.9	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.775 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

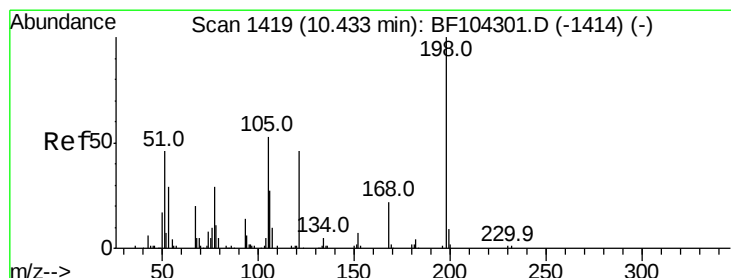
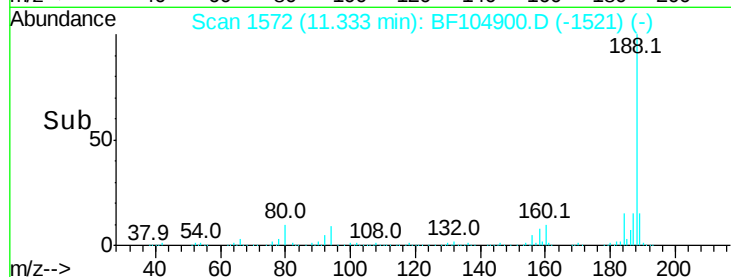
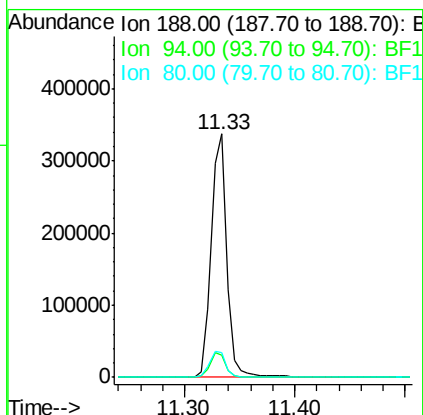
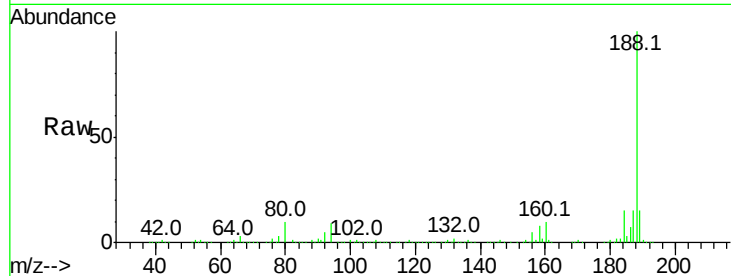
Tgt	Ion:165	Resp:	25232
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#





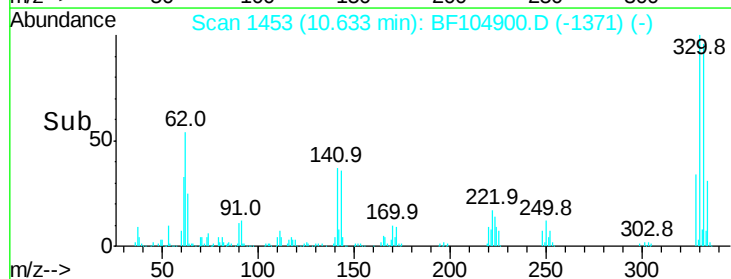
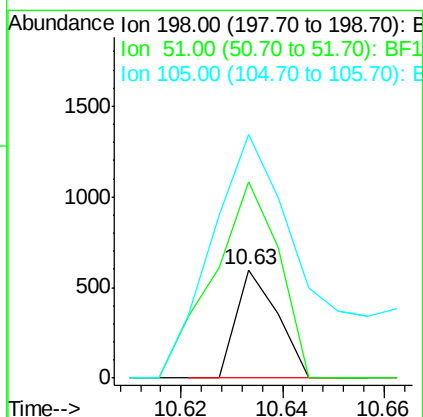
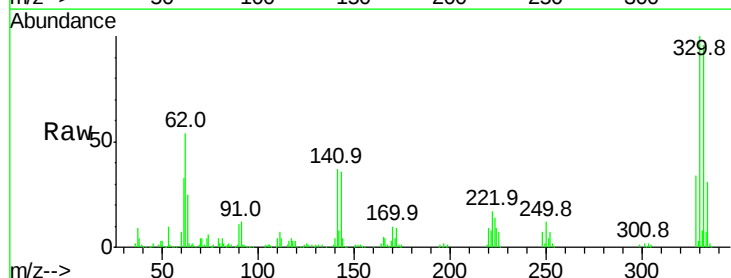
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

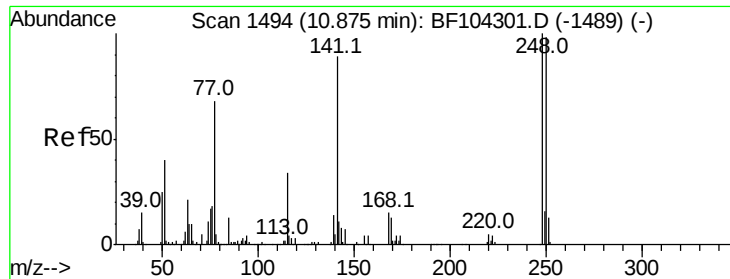
Tot Ion:188 Resp: 322723
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 9.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.528 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

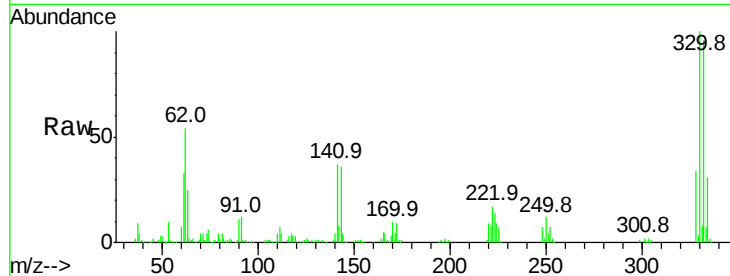
Tgt Ion:198 Resp: 335
 Ion Ratio Lower Upper
 198 100
 51 180.8 37.7 77.7#
 105 224.6 36.3 76.3#



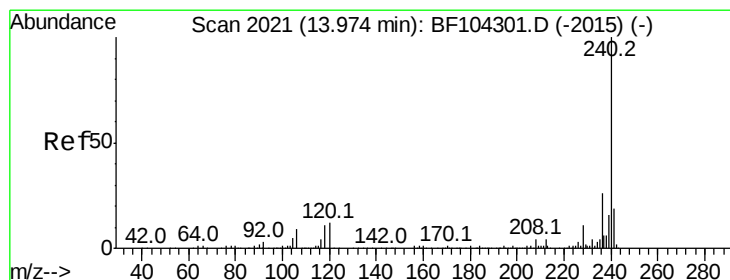
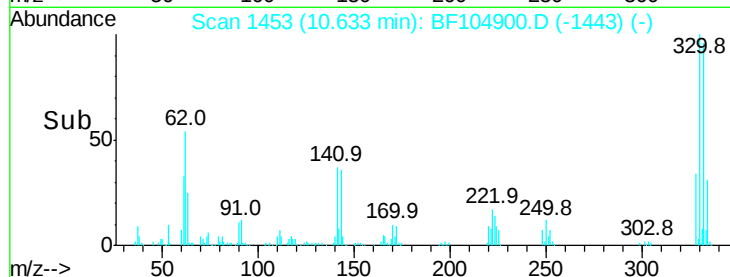
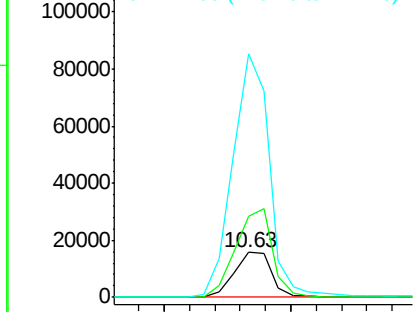


#66
4-Bromophenyl-phenylether
Concen: 4.721 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

Tot Ion:248 Resp: 16206
Ion Ratio Lower Upper
248 100
250 180.7 76.9 115.3#
141 541.2 74.4 111.6#

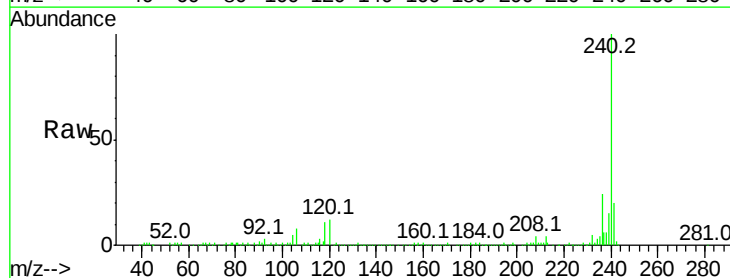


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

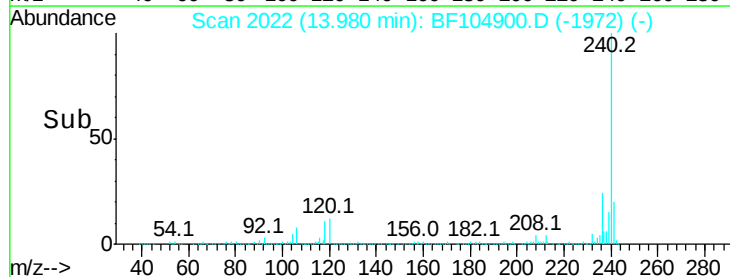
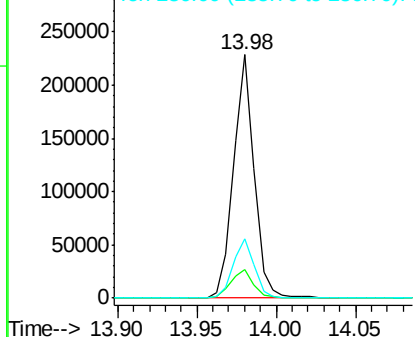


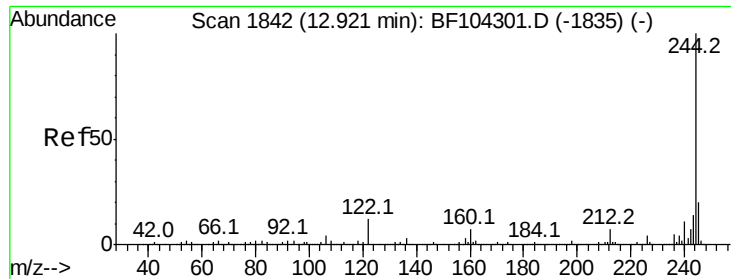
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104900.D
Acq: 27 Apr 2018 23:46

Tgt Ion:240 Resp: 206701
Ion Ratio Lower Upper
240 100
120 11.6 9.5 14.3
236 24.5 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

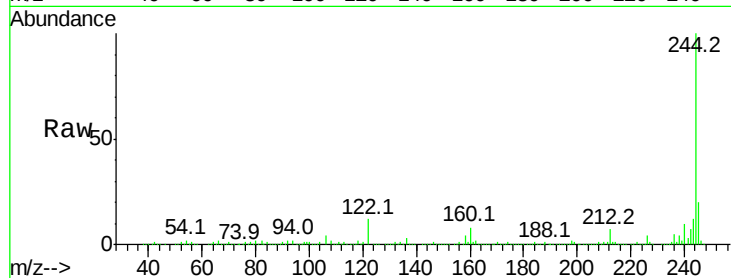




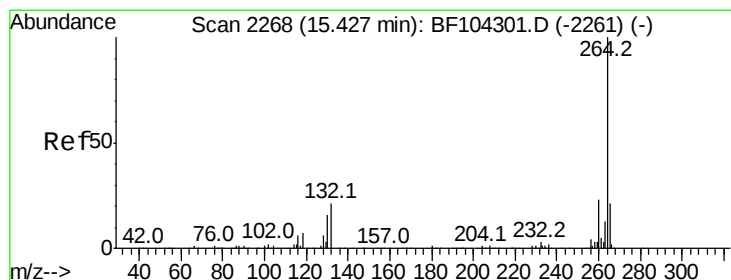
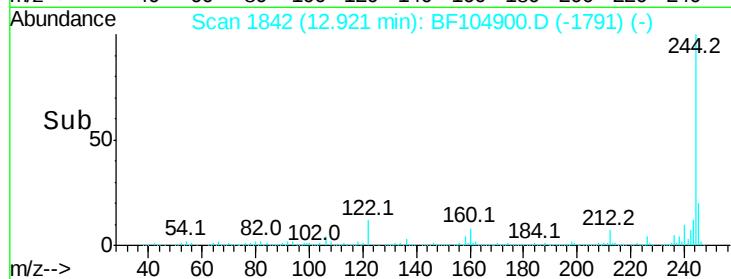
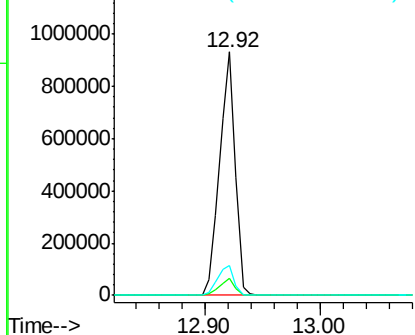
#78
 Terphenyl-d14
 Concen: 96.739 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

Tot Ion:244 Resp: 877088

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.4	11.0	16.4



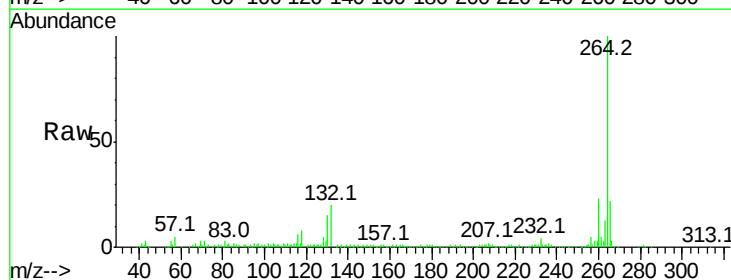
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



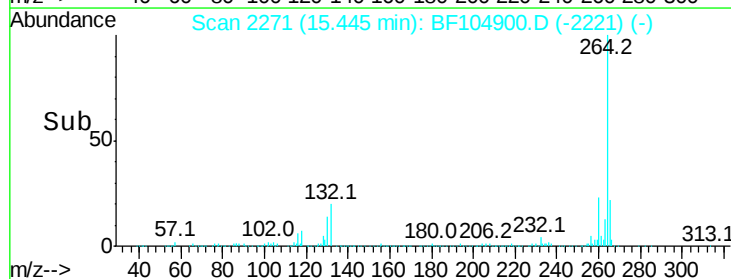
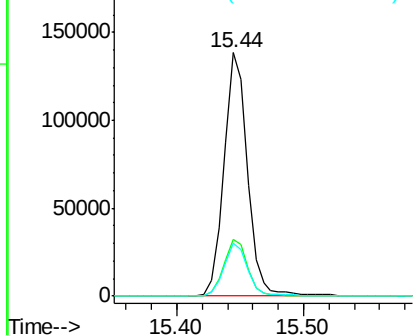
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

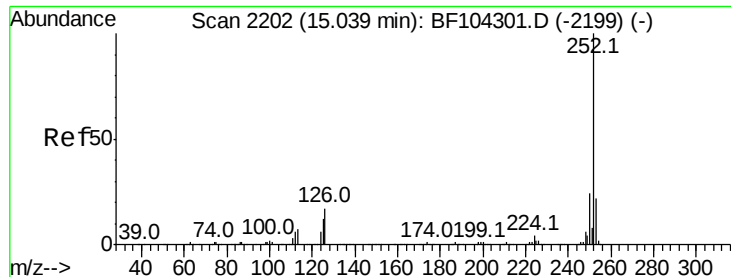
Tgt Ion:264 Resp: 177436

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3



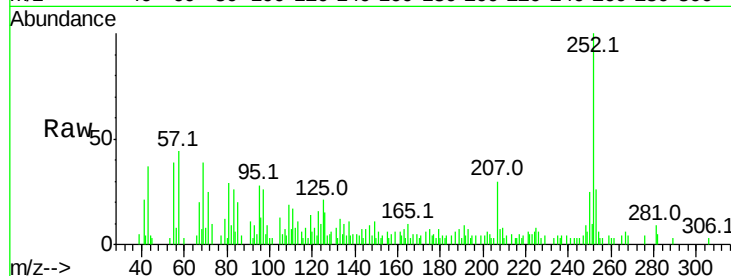
Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#88
 Benzo(k)fluoranthene
 Concen: 2.090 ng
 RT: 15.02 min Scan# 2199
 Delta R.T. -0.04 min
 Lab File: BF104900.D
 Acq: 27 Apr 2018 23:46

Tot Ion:252	Resp:	22112
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.9 26.9
125	20.6	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

