

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104898.D
 Acq On : 27 Apr 2018 22:53
 Operator : JU/SJ
 Sample : J2549-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

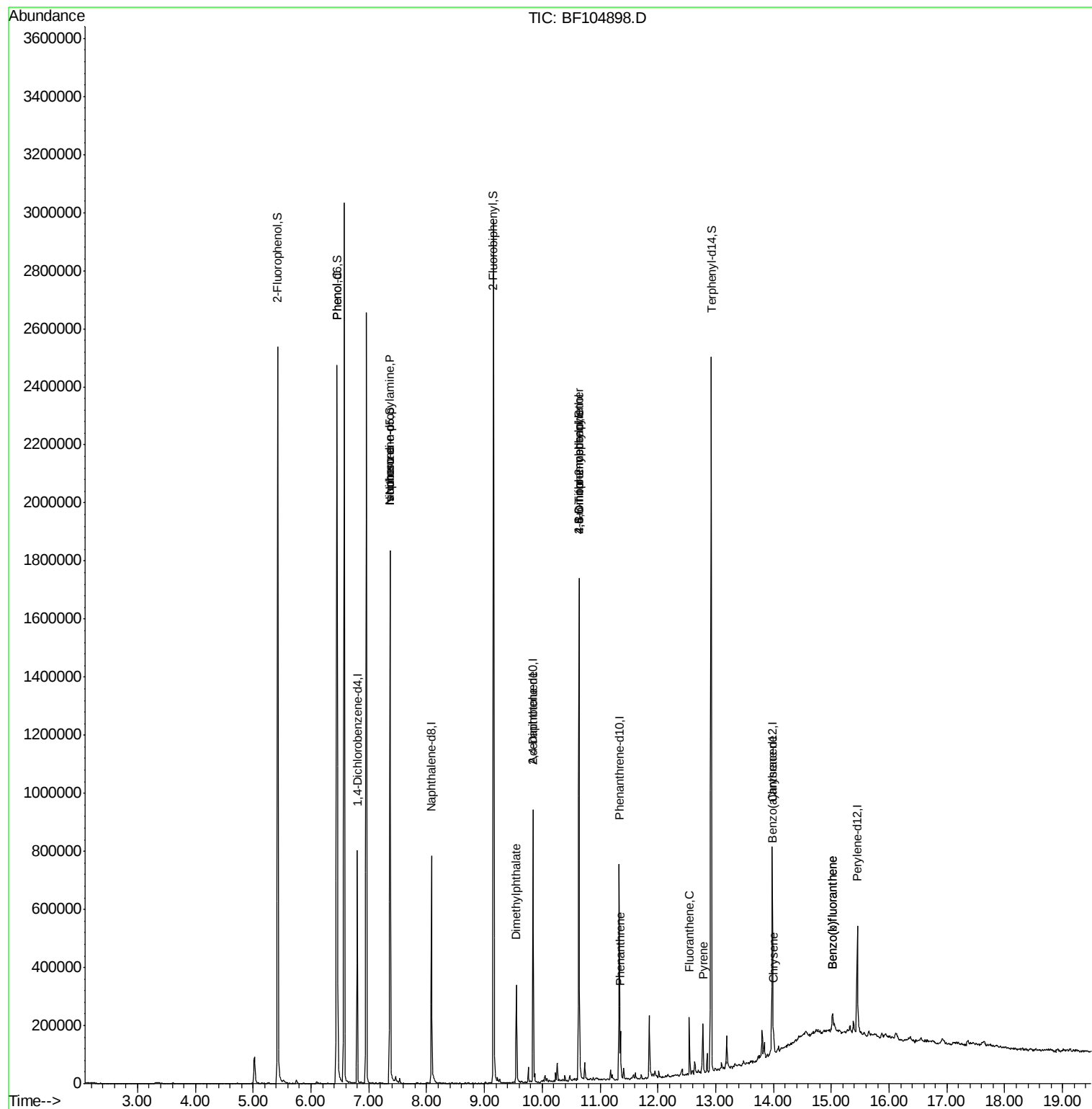
Quant Time: Apr 28 00:01:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

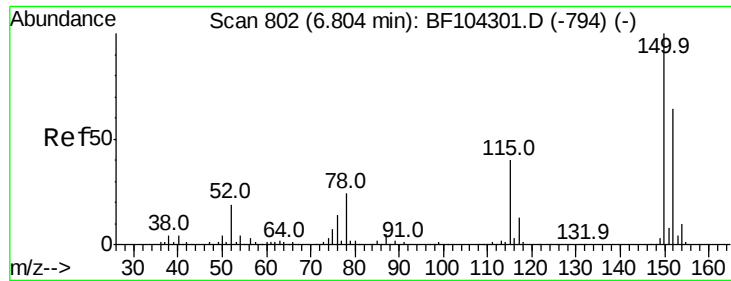
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110827	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	425678	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	173574	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	283205	20.00	ng	0.00
75) Chrysene-d12	13.98	240	230132	20.00	ng	0.00
86) Perylene-d12	15.45	264	175217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	901470	124.37	ng	0.02
7) Phenol-d6	6.45	99	1092032	122.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	671332	102.98	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	233966	129.94	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1026752	93.45	ng	0.00
78) Terphenyl-d14	12.92	244	817236	80.96	ng	0.00
Target Compounds				Qvalue		
10) Phenol	6.46	94	78511	8.309	ng	82
19) n-Nitroso-di-n-propylamine	7.37	70	86625	14.886	ng	# 74
25) Isophorone	7.37	82	671328	48.699	ng	# 64
49) Dimethylphthalate	9.55	163	142354	10.400	ng	99
56) 2,4-Dinitrotoluene	9.84	165	22451	6.758	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	479	7.641	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14392	4.778	ng	# 1
70) Phenanthrene	11.36	178	61700	3.912	ng	94
74) Fluoranthene	12.55	202	77744	4.718	ng	97
76) Benzidine	12.92	184	11479	Below Cal		95
77) Pyrene	12.78	202	65545	3.842	ng	98
80) Benzo(a)anthracene	13.97	228	30357	2.208	ng	95
82) Chrysene	14.00	228	28828	2.041	ng	97
87) Benzo(b)fluoranthene	15.02	252	42104	3.805	ng	# 83
88) Benzo(k)fluoranthene	15.02	252	42104	4.030	ng	# 86

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

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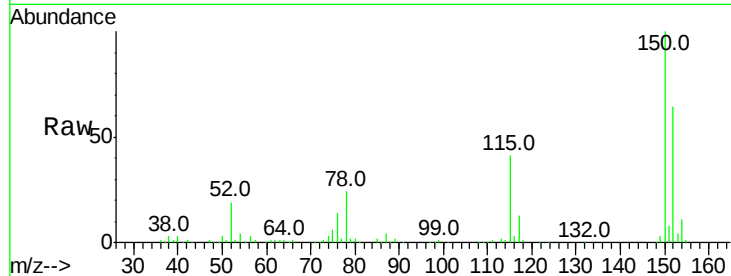




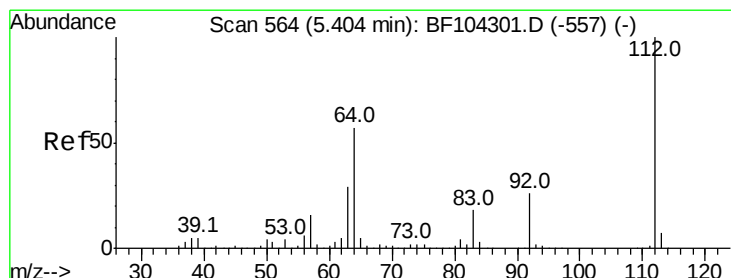
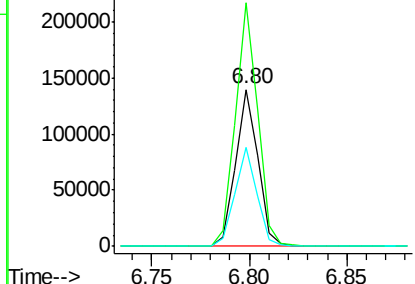
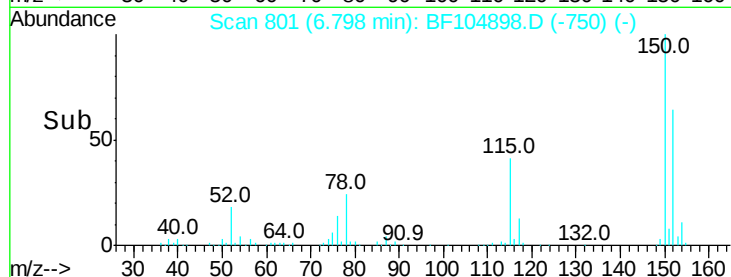
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	63.6	50.1	75.1



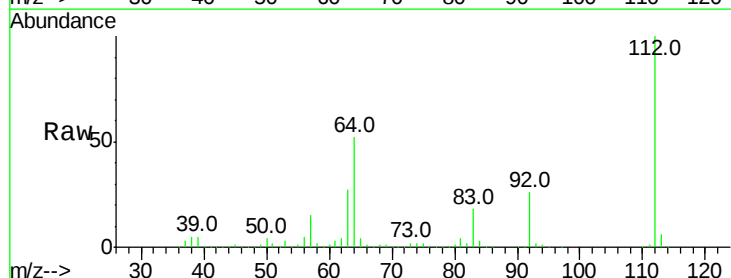
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



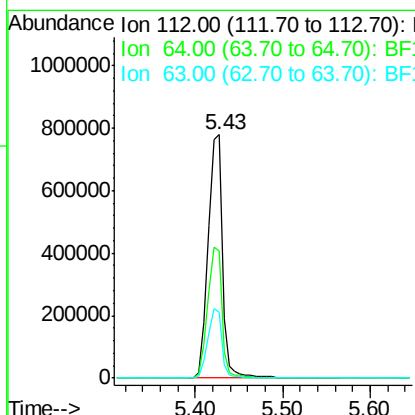
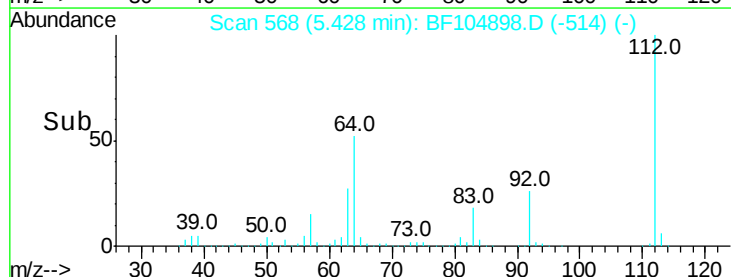
#5

2-Fluorophenol
Concen: 124.374 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	47.9	71.9
63	27.2	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: 122.624 ng

RT: 6.45 min Scan# 742

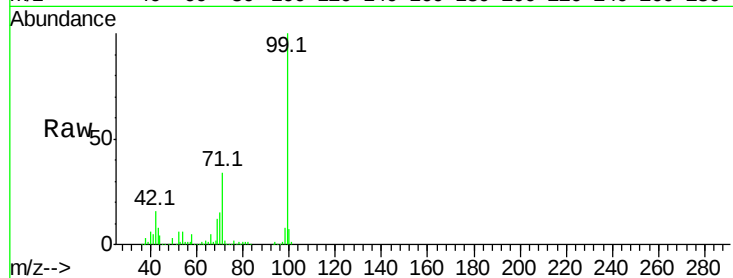
Delta R.T. 0.01 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

Tot Ion: 99 Resp: 1092032

Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	34.0	25.4	38.0

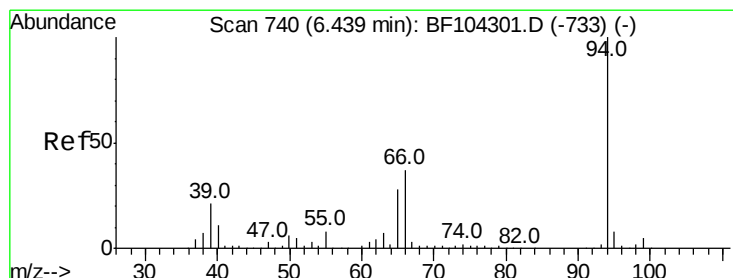
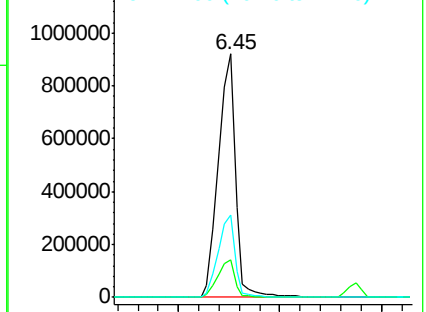
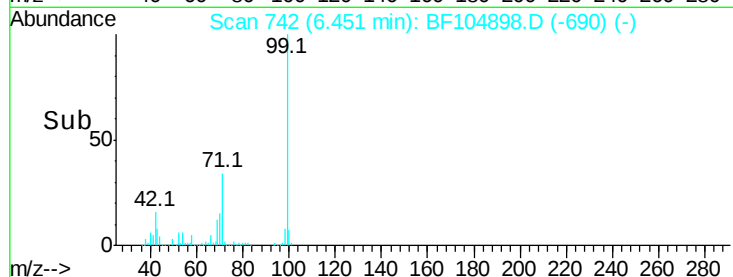


Abundance

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: 8.309 ng

RT: 6.46 min Scan# 743

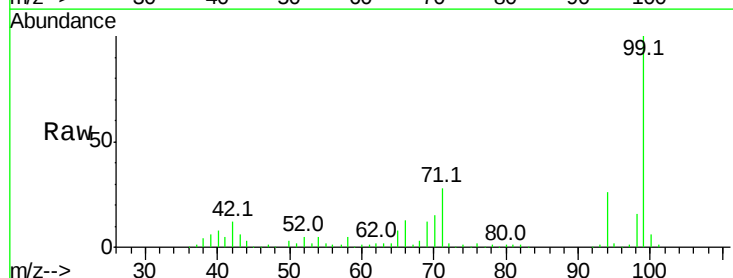
Delta R.T. 0.00 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

Tgt Ion: 94 Resp: 78511

Ion	Ratio	Lower	Upper
94	100		
65	30.6	7.9	47.9
66	52.6	16.2	56.2

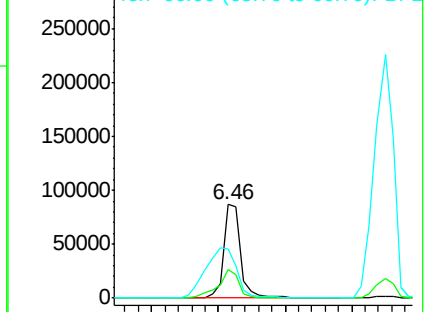
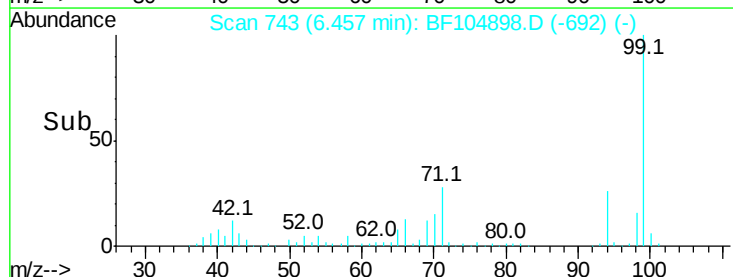


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

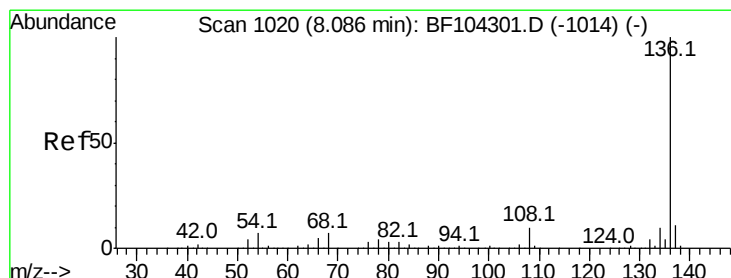
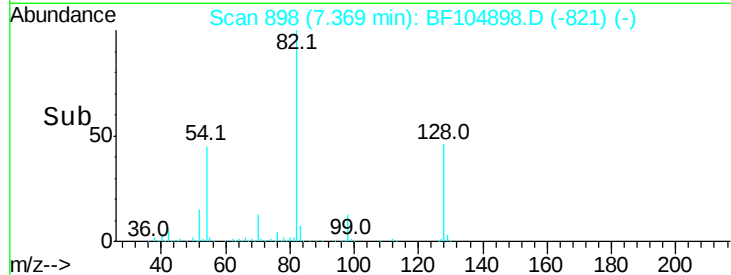
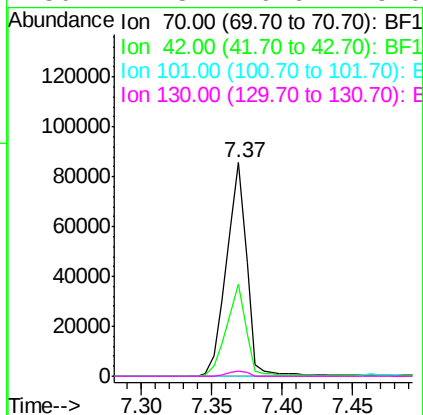
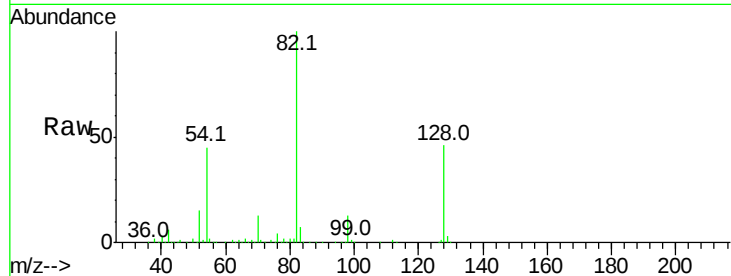
Ion 66.00 (65.70 to 66.70): BF1





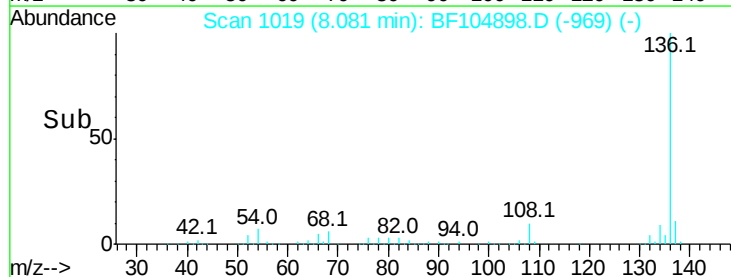
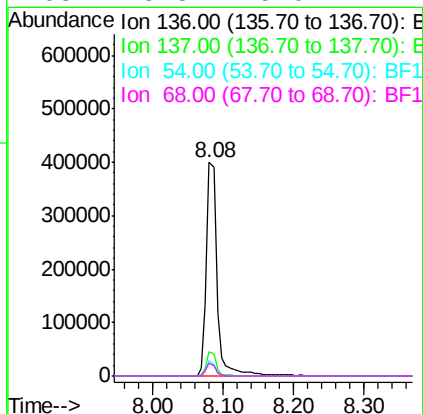
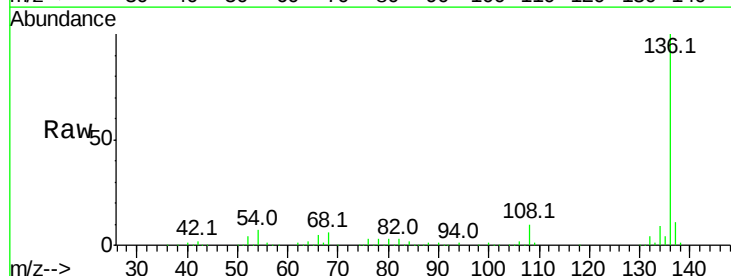
#19
n-Nitroso-di-n-propylamine
Concen: 14.886 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

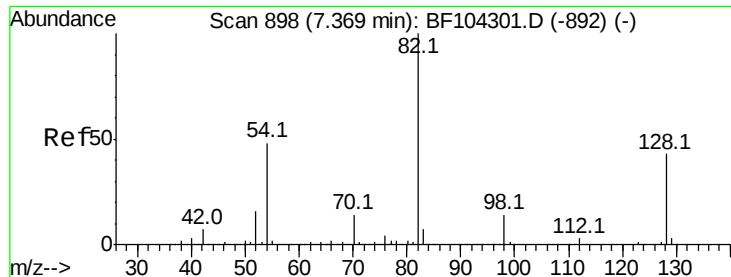
Tot Ion: 70 Resp: 86625
Ion Ratio Lower Upper
70 100
42 42.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tgt Ion: 136 Resp: 425678
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





#23

Nitrobenzene-d5

Concen: 102.981 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

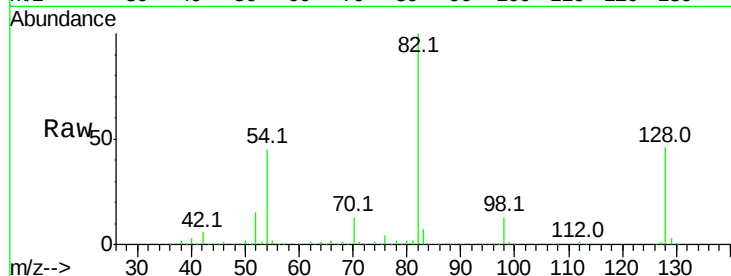
Tot Ion: 82 Resp: 671332

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

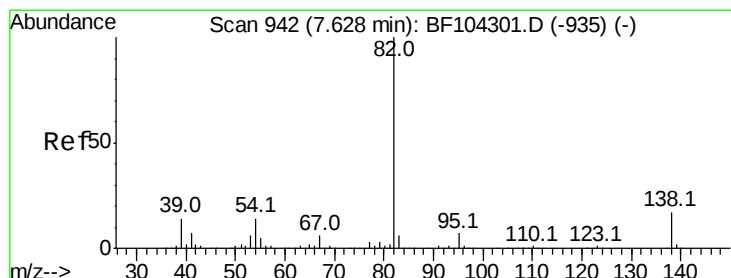
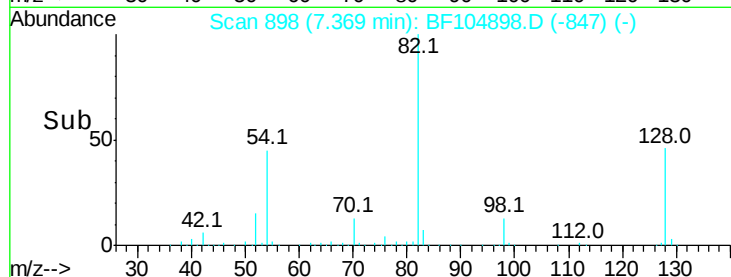
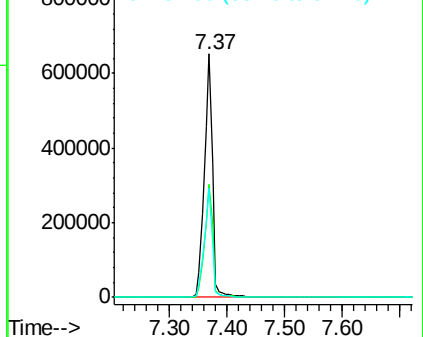
54 44.8 41.4 62.2



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: 48.699 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

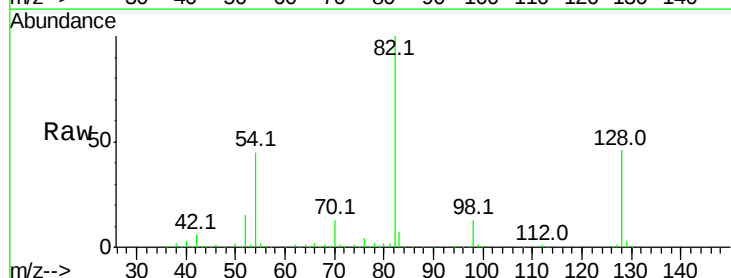
Tgt Ion: 82 Resp: 671328

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

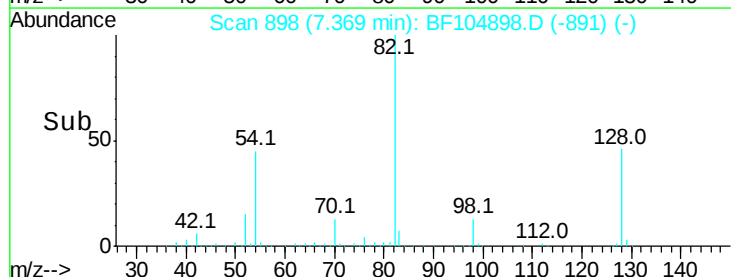
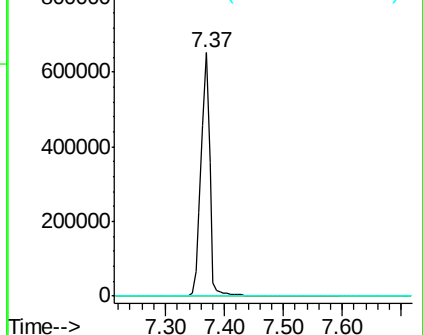
138 0.0 14.9 22.3#

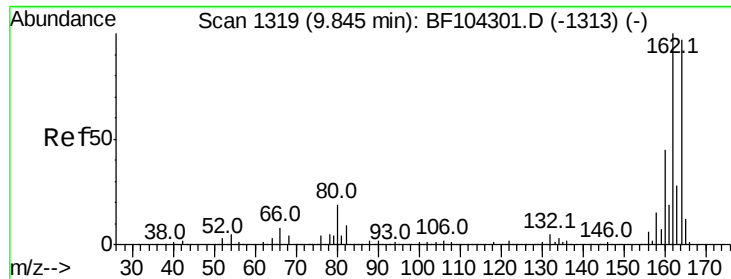


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF104898.D

Acq: 27 Apr 2018 22:53

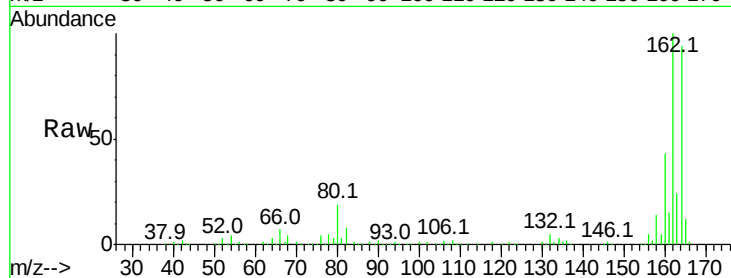
Tot Ion:164 Resp: 173574

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

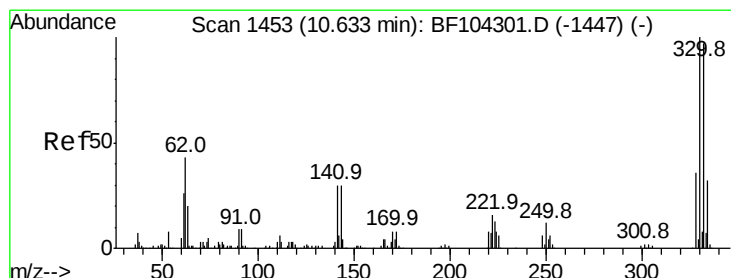
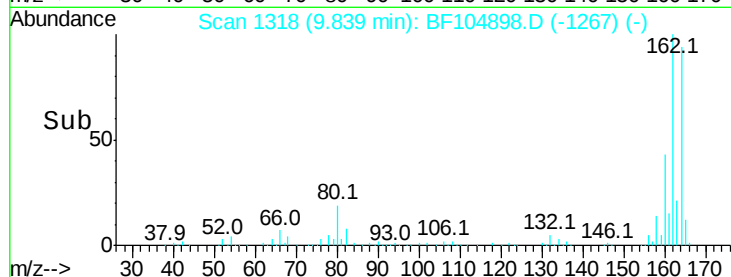
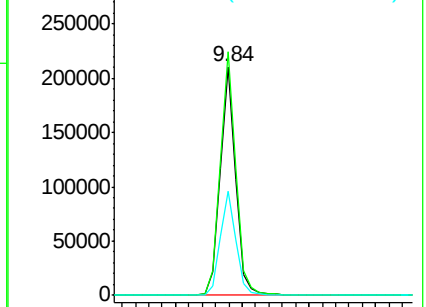
160 45.6 38.3 57.5



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: 129.943 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

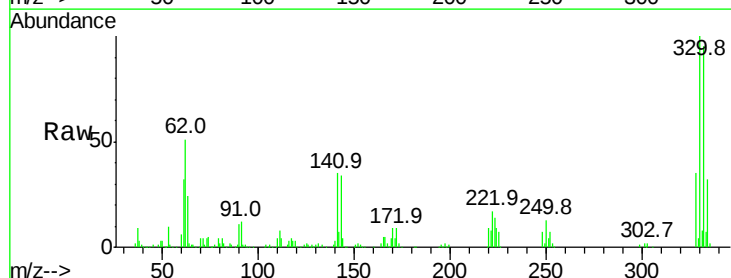
Tgt Ion:330 Resp: 233966

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

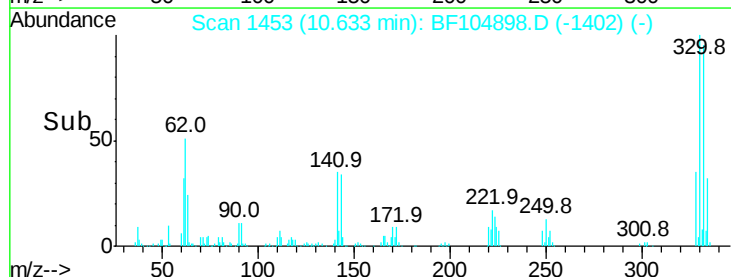
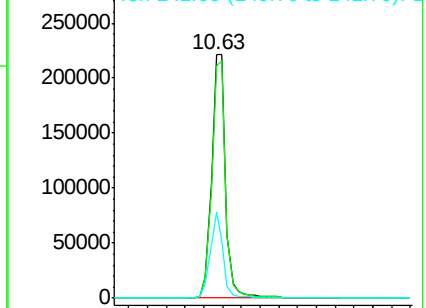
141 32.5 29.9 44.9

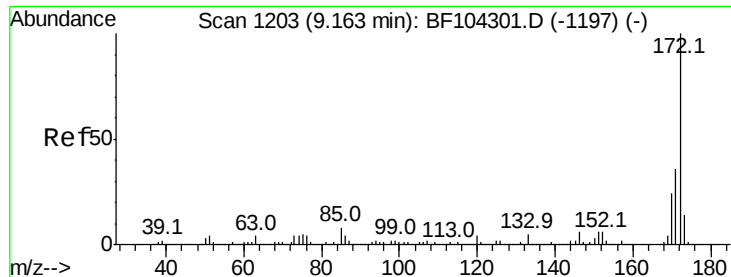


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

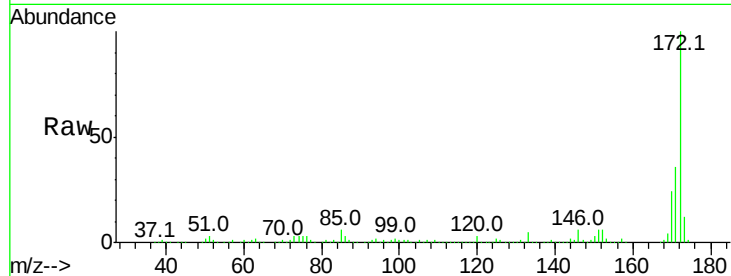




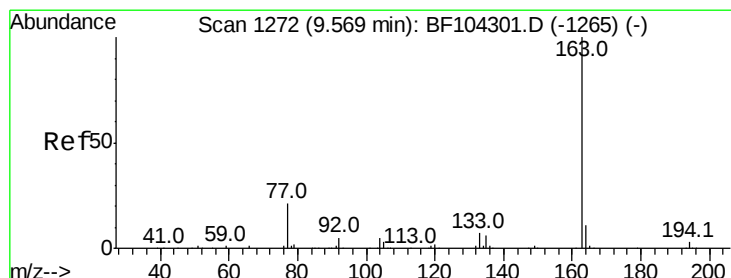
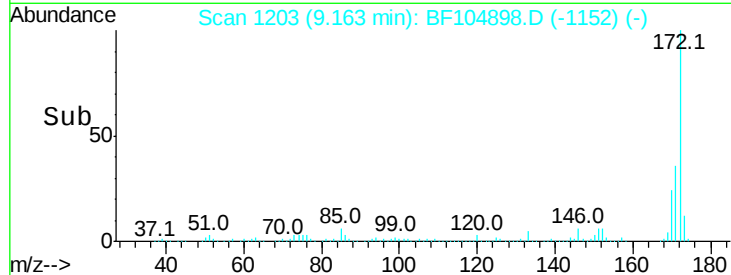
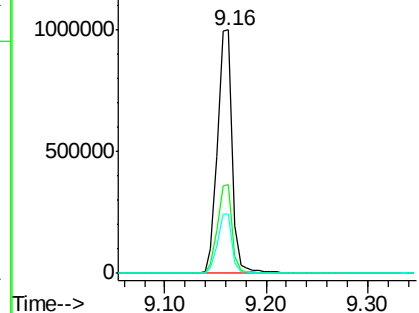
#44
2-Fluorobiphenyl
Concen: 93.448 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tot Ion:172 Resp: 1026752

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4



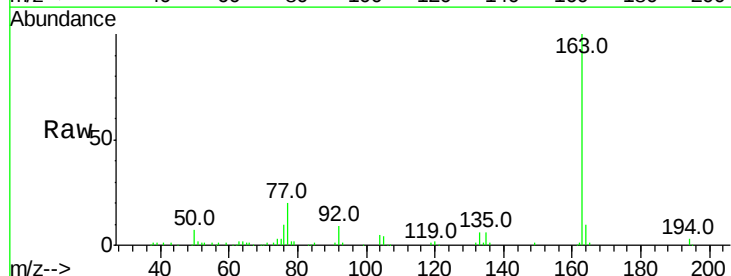
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



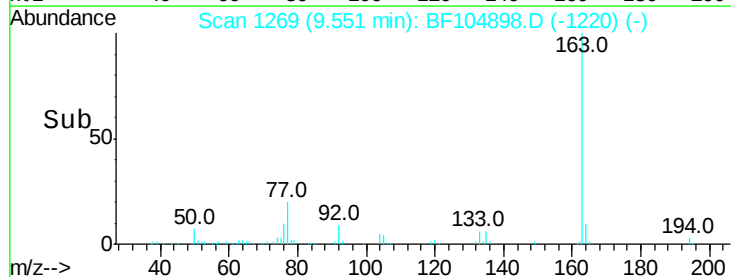
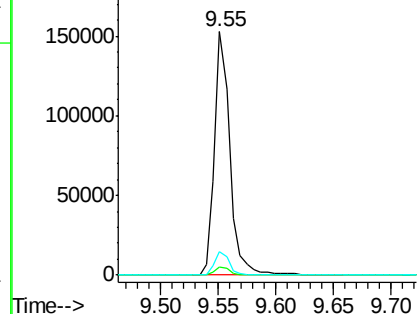
#49
Dimethylphthalate
Concen: 10.400 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tgt Ion:163 Resp: 142354

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.8	8.2	12.2



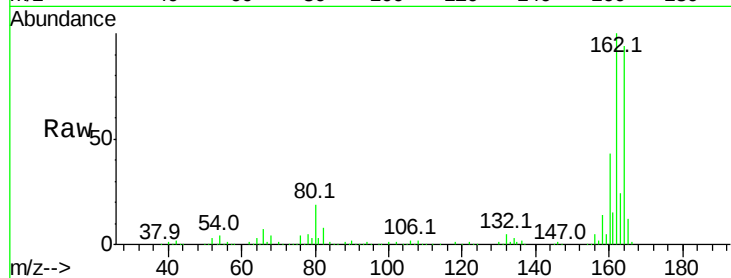
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#56
 2,4-Dinitrotoluene
 Concen: 6.758 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104898.D
 Acq: 27 Apr 2018 22:53

Tot Ion:165	Resp: 22451
Ion Ratio	Lower Upper
165 100	
63 1.2	36.4 54.6#
89 1.5	57.8 86.6#
182 0.0	1.6 2.4#

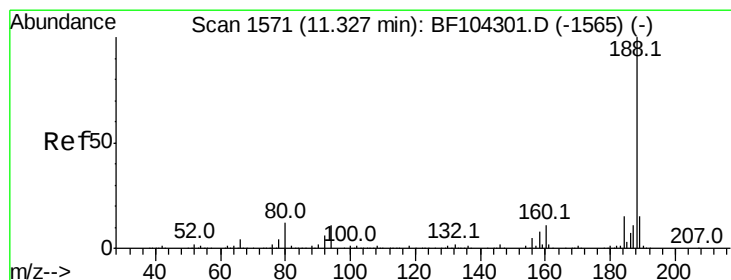
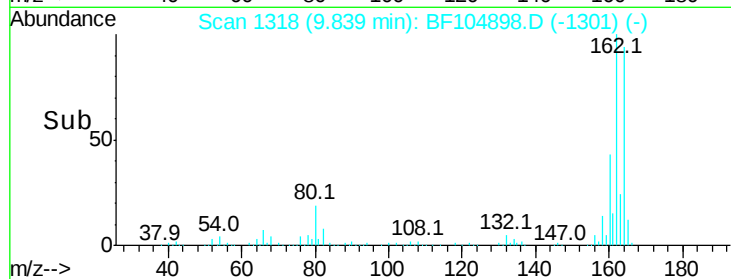
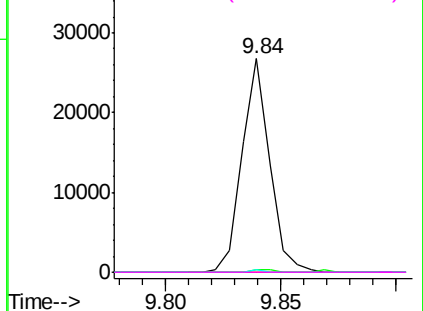


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

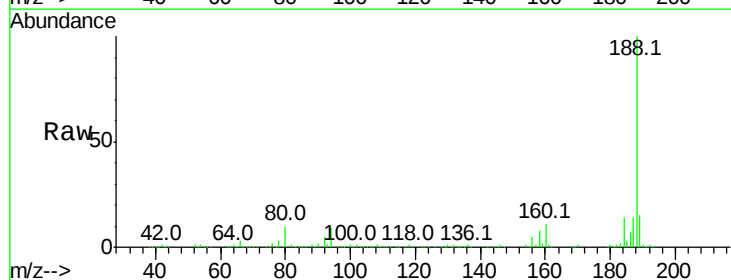
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104898.D
 Acq: 27 Apr 2018 22:53

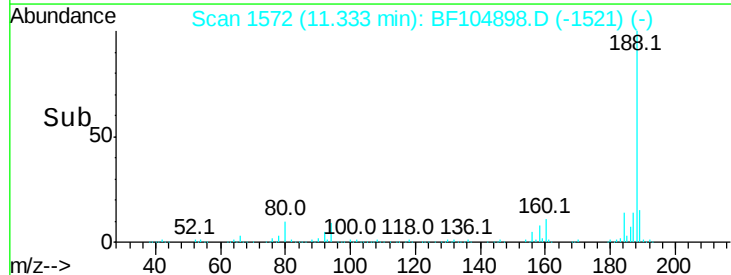
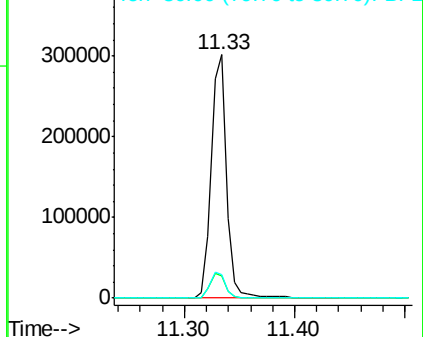
Tgt	Ion:188	Resp:	283205
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.7	9.2	13.8

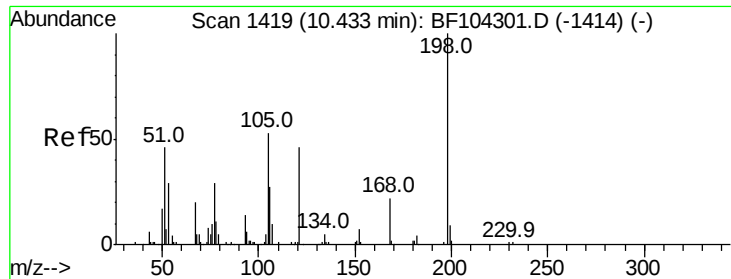


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.641 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

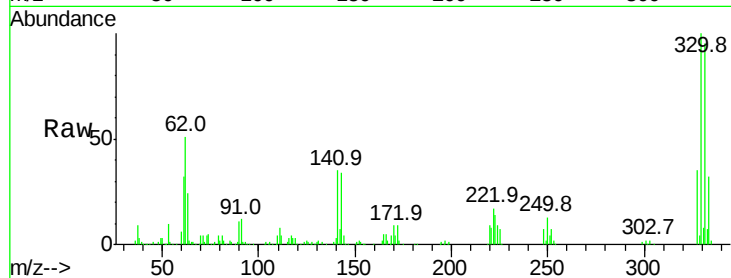
Tot Ion:198 Resp: 479

Ion Ratio Lower Upper

198 100

51 166.0 37.7 77.7#

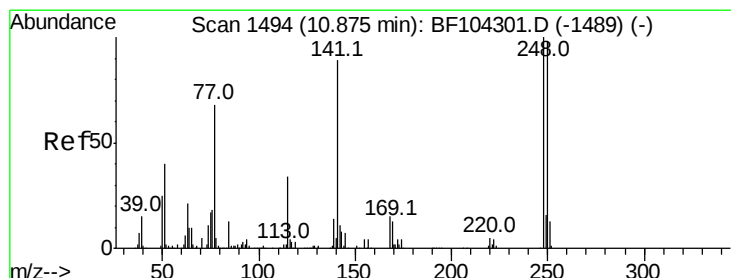
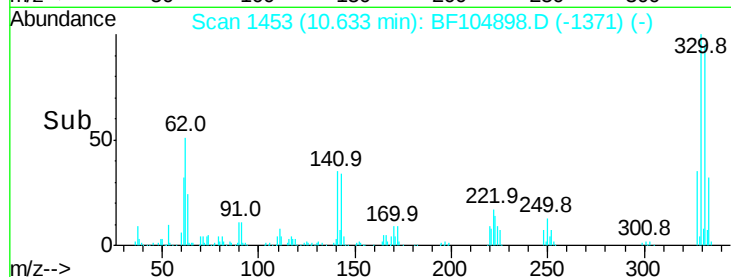
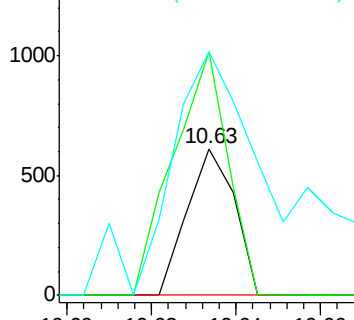
105 166.3 36.3 76.3#



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: 4.778 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

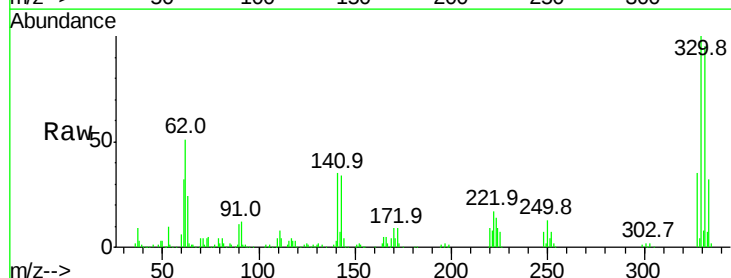
Tgt Ion:248 Resp: 14392

Ion Ratio Lower Upper

248 100

250 204.5 76.9 115.3#

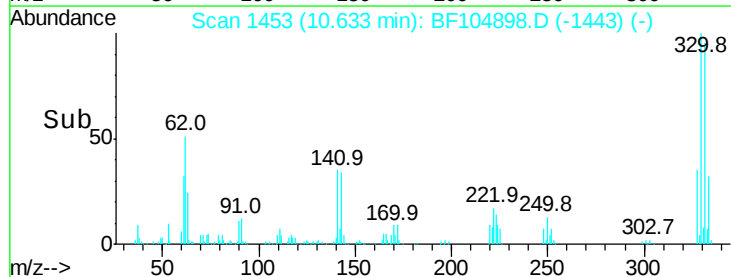
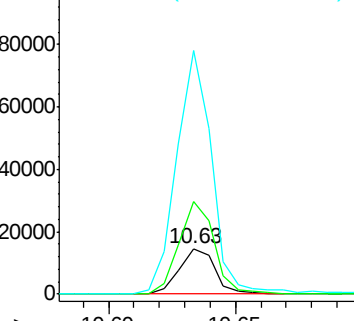
141 537.2 74.4 111.6#

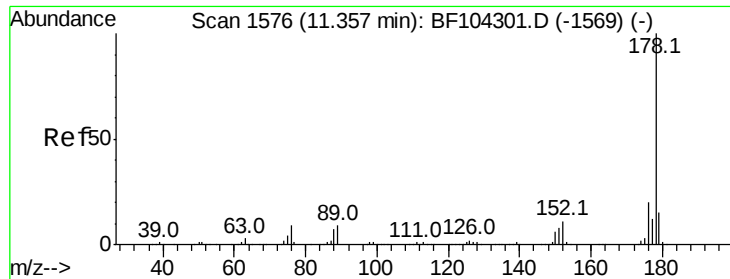


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

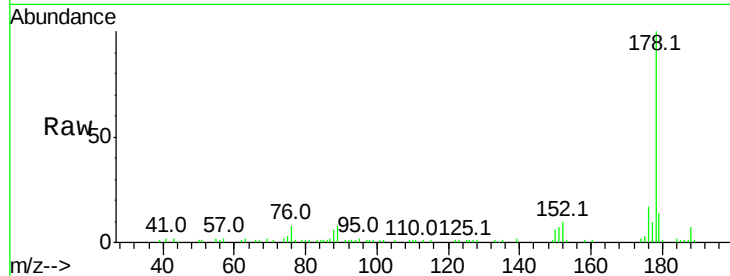
Ion 141.00 (140.70 to 141.70): E



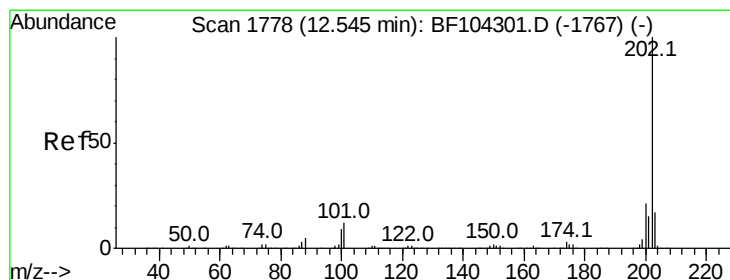
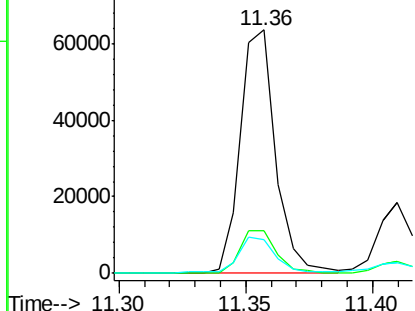
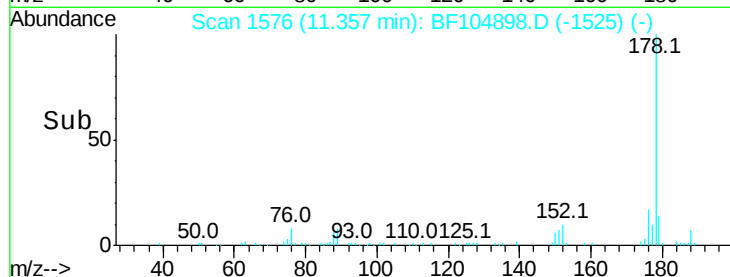


#70
Phenanthrene
Concen: 3.912 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tot Ion:178 Resp: 61700
Ion Ratio Lower Upper
178 100
176 17.4 15.8 23.8
179 13.8 13.0 19.6

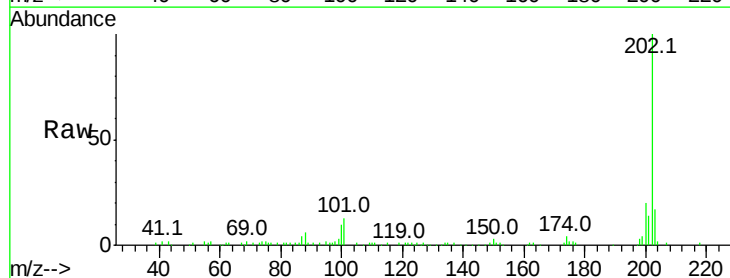


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

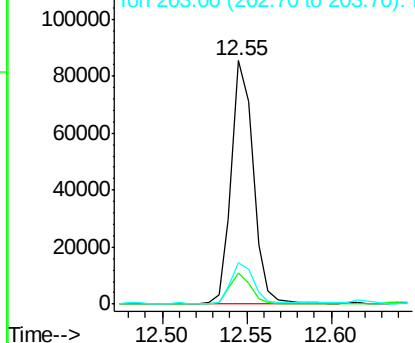
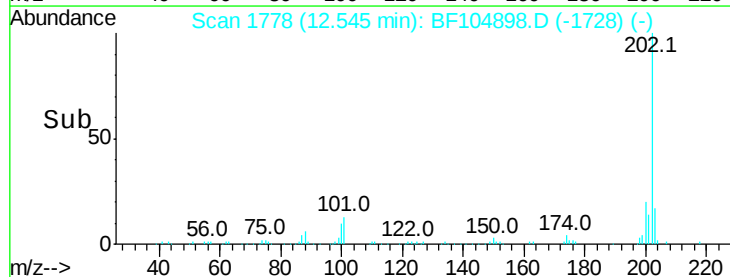


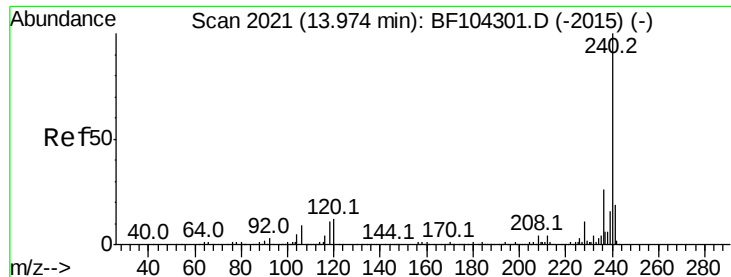
#74
Fluoranthene
Concen: 4.718 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tgt Ion:202 Resp: 77744
Ion Ratio Lower Upper
202 100
101 12.7 0.0 34.1
203 16.9 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: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

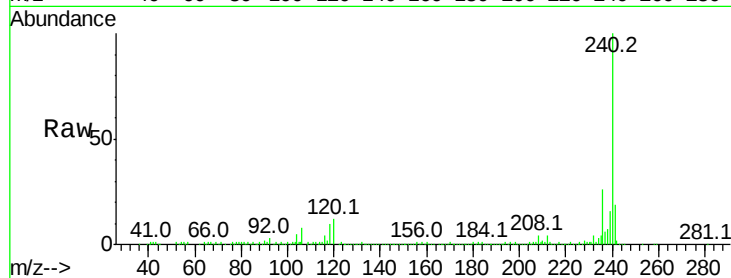
Tot Ion:240 Resp: 230132

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

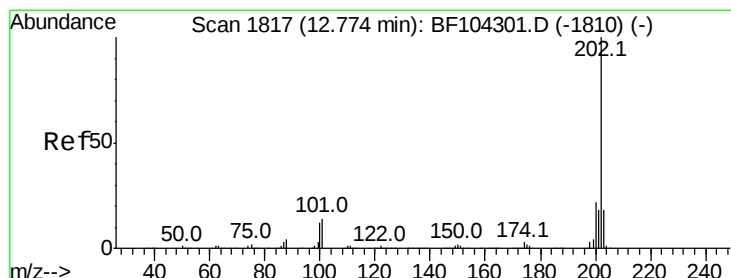
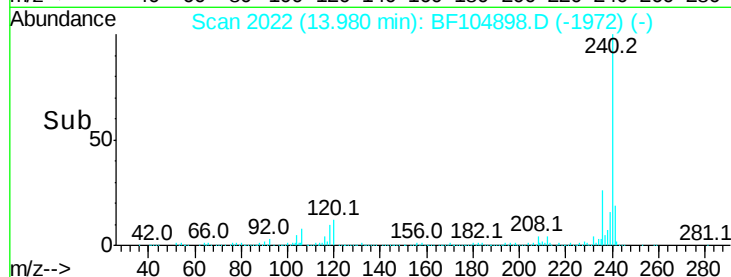
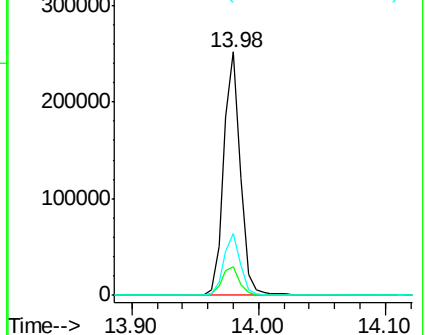
236 25.5 20.7 31.1



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



#77

Pyrene

Concen: 3.842 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

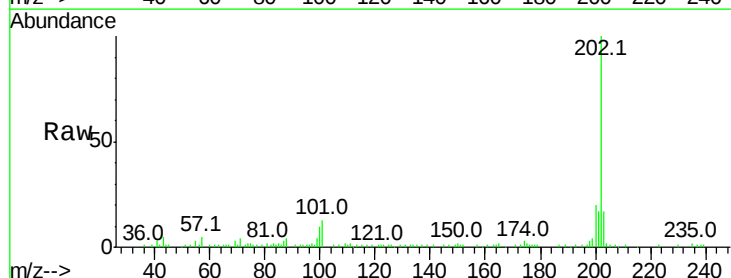
Tgt Ion:202 Resp: 65545

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

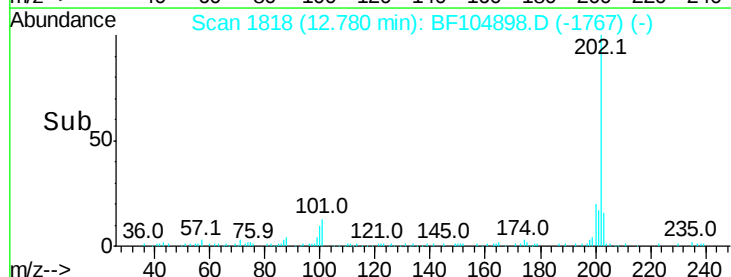
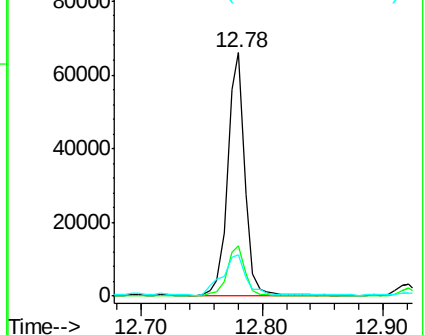
203 17.2 14.3 21.5

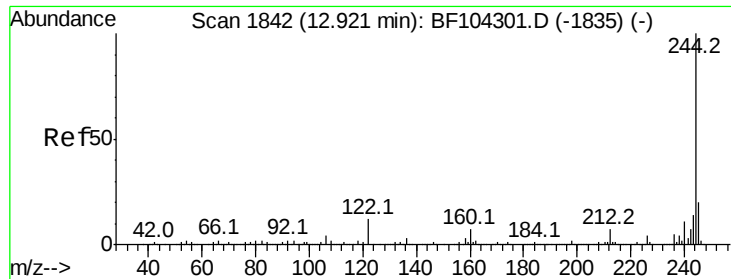


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

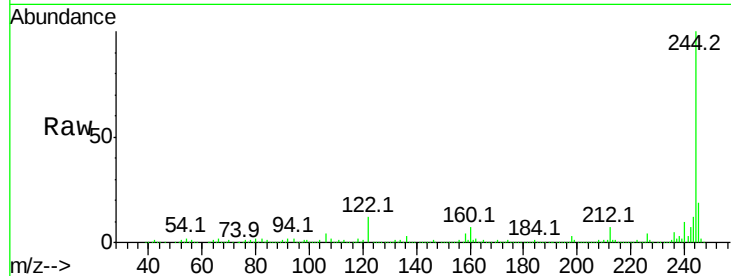
Ion 203.00 (202.70 to 203.70): E



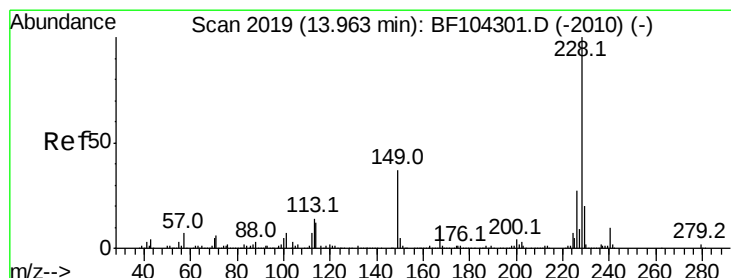
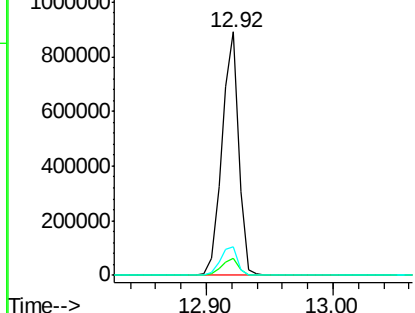
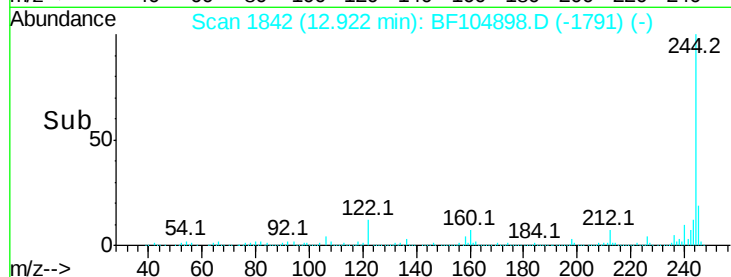


#78
 Terphenyl-d14
 Concen: 80.960 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104898.D
 Acq: 27 Apr 2018 22:53

Tot Ion:244 Resp: 817236
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.5 11.0 16.4

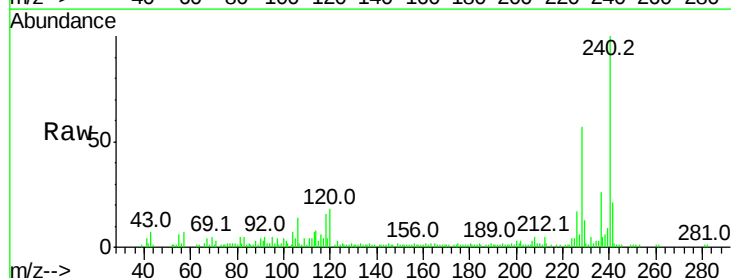


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

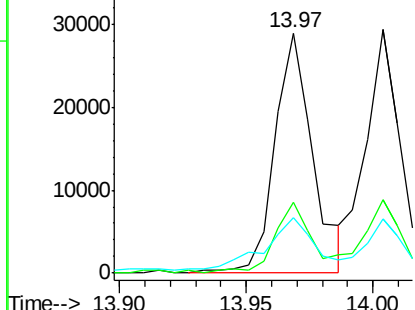
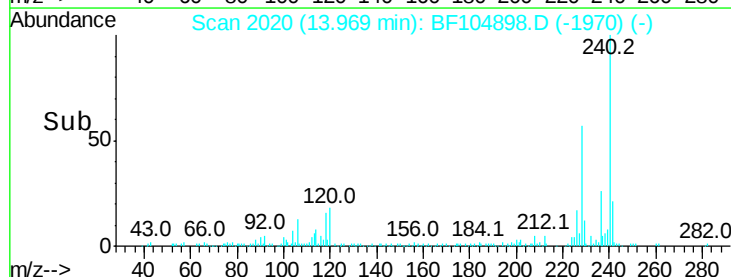


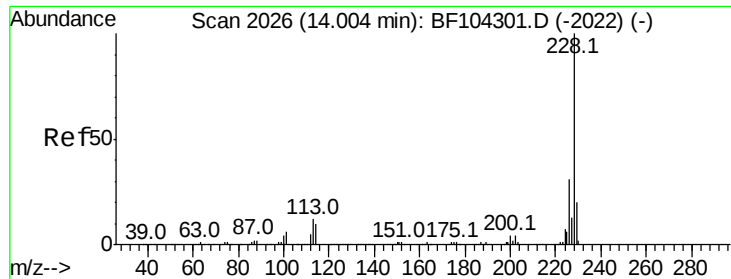
#80
 Benzo(a)anthracene
 Concen: 2.208 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104898.D
 Acq: 27 Apr 2018 22:53

Tgt Ion:228 Resp: 30357
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 23.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

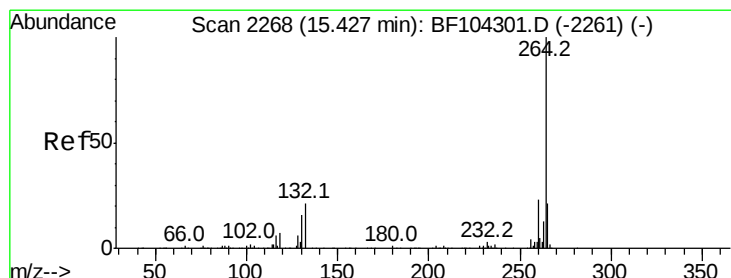
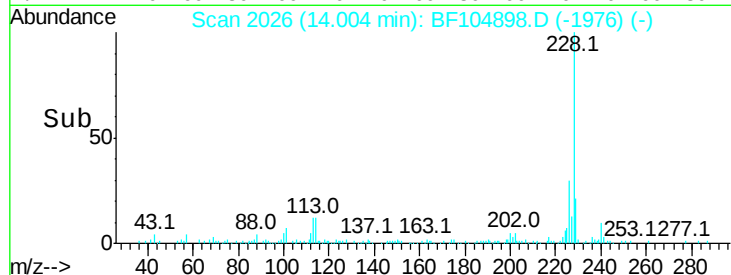
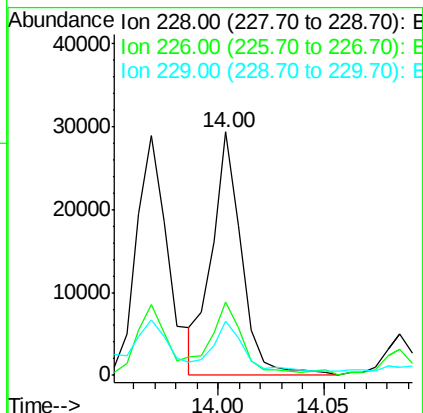
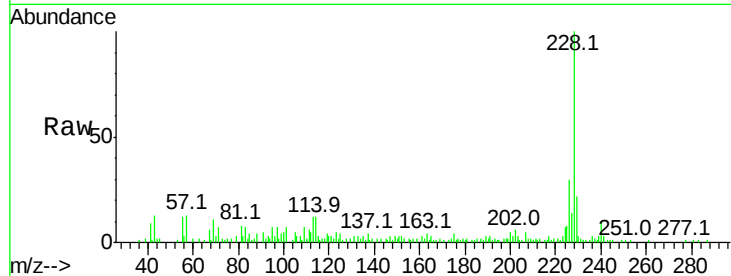




#82
Chrysene
Concen: 2.041 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tot Ion:228 Resp: 28828

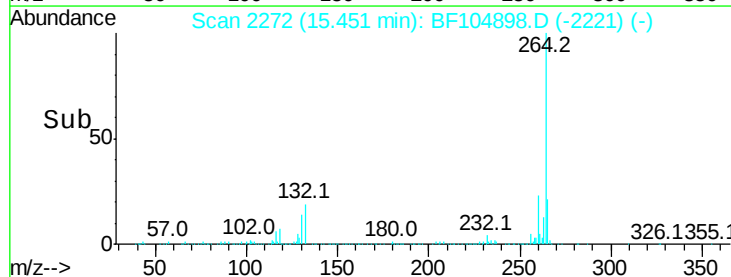
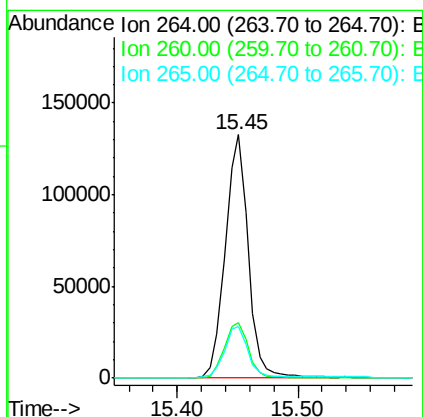
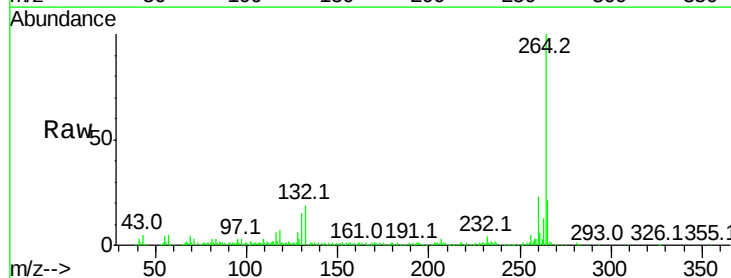
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.3	16.2	24.4

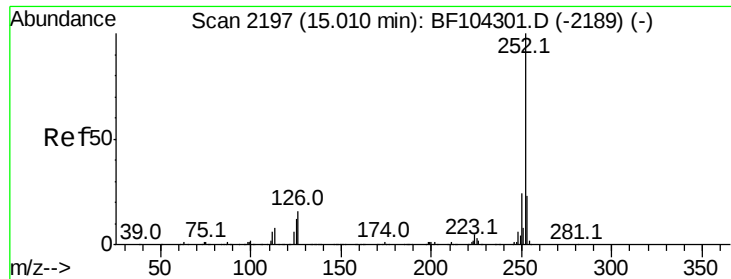


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104898.D
Acq: 27 Apr 2018 22:53

Tgt Ion:264 Resp: 175217

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.805 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

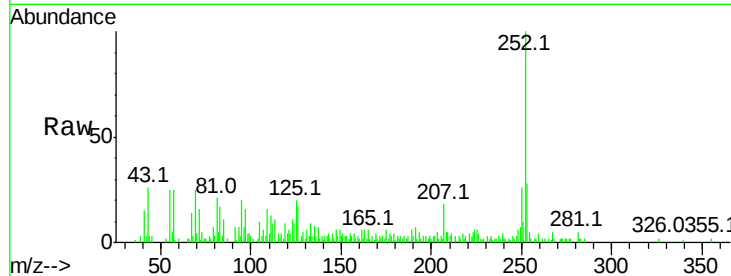
Tot Ion:252 Resp: 42104

Ion Ratio Lower Upper

252 100

253 27.7 17.0 25.6#

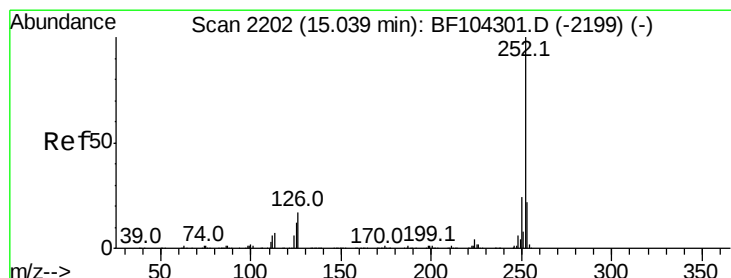
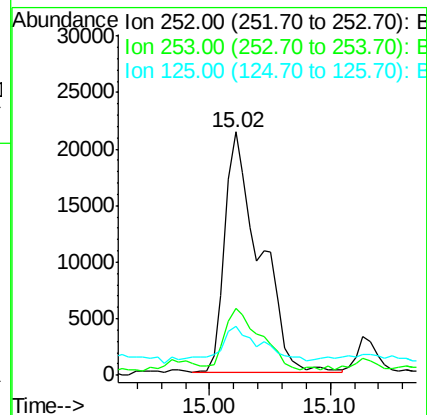
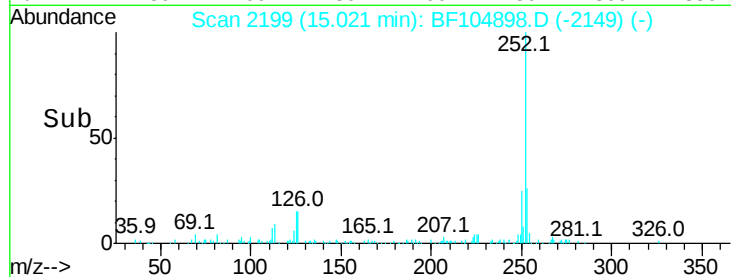
125 20.1 9.0 13.6#



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: 4.030 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF104898.D

Acq: 27 Apr 2018 22:53

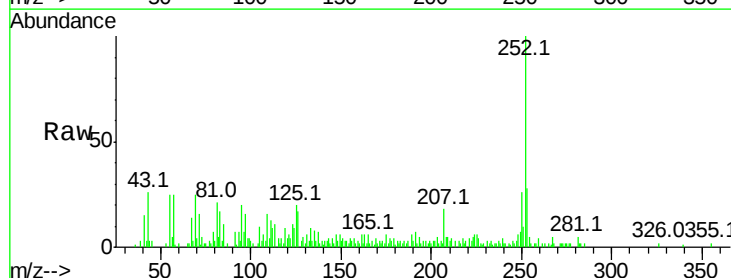
Tgt Ion:252 Resp: 42104

Ion Ratio Lower Upper

252 100

253 27.7 17.9 26.9#

125 20.1 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

