

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104882.D
 Acq On : 27 Apr 2018 15:43
 Operator : JU/SJ
 Sample : J2544-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

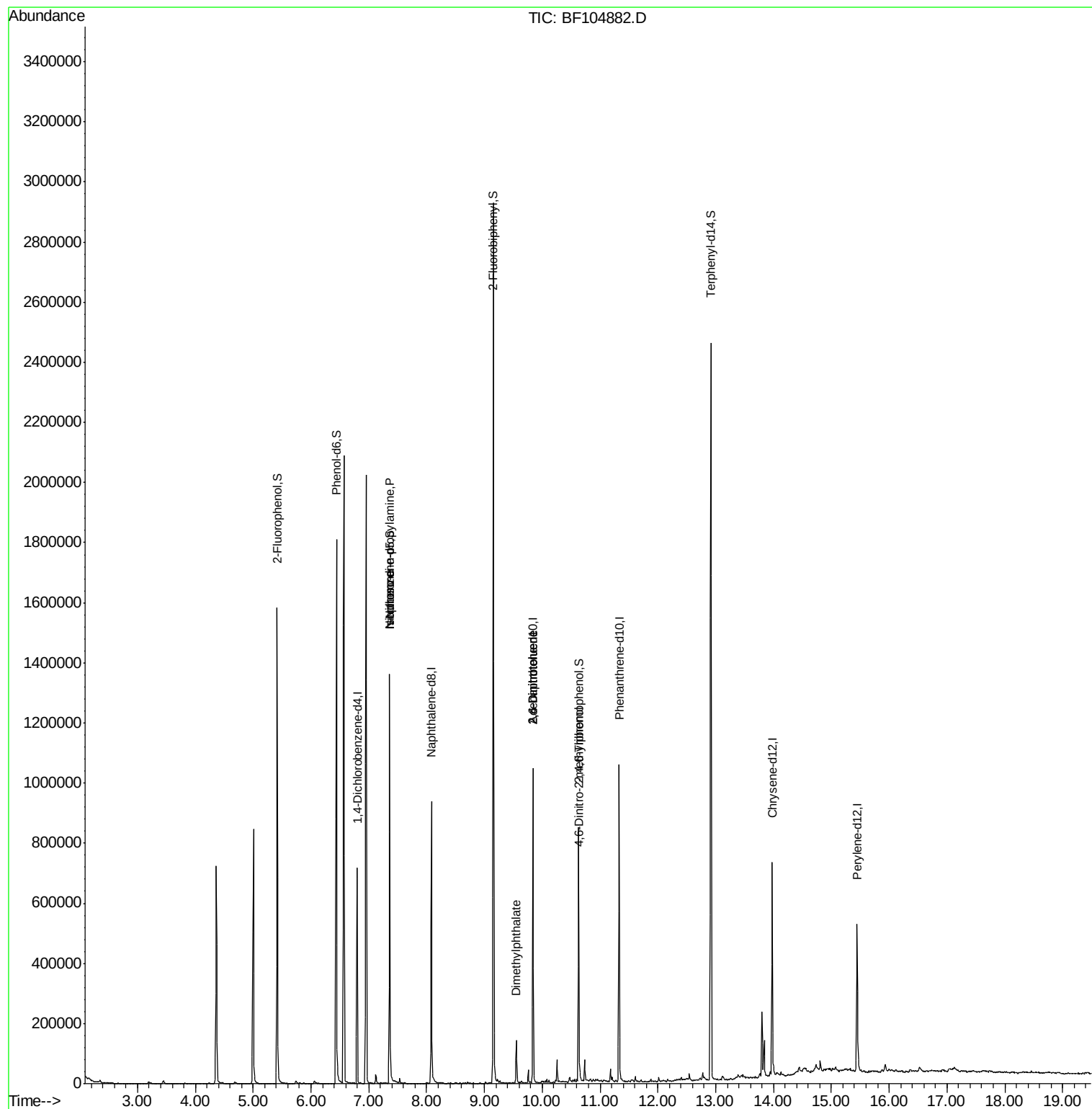
Quant Time: Apr 27 17:16:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

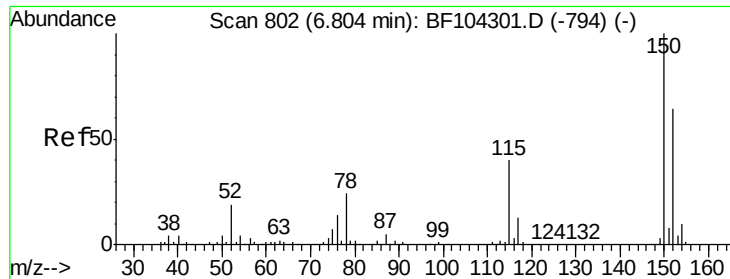
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109677	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	461167	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	207522	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	374121	20.00	ng	0.00
75) Chrysene-d12	13.97	240	231607	20.00	ng	-0.01
86) Perylene-d12	15.44	264	237896	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	458125	63.87	ng	0.00
7) Phenol-d6	6.44	99	709524	80.51	ng	0.00
23) Nitrobenzene-d5	7.36	82	487056	68.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	107863	50.11	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	905462	68.93	ng	0.00
78) Terphenyl-d14	12.92	244	833342	82.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	62281	10.815	ng	# 70
25) Isophorone	7.36	82	487054	32.612	ng	# 64
49) Dimethylphthalate	9.55	163	59697	3.648	ng	100
50) 2,6-Dinitrotoluene	9.84	165	26562	8.772	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	26562	6.687	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	112	7.399	ng	# 23
76) Benzidine	12.92	184	11052	Below Cal		# 93

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
Data File : BF104882.D
Acq On : 27 Apr 2018 15:43
Operator : JU/SJ
Sample : J2544-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 27 17:16:45 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

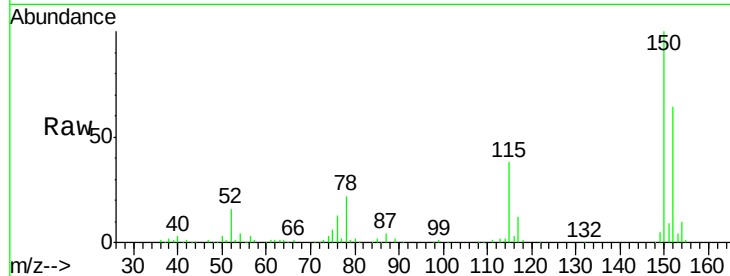




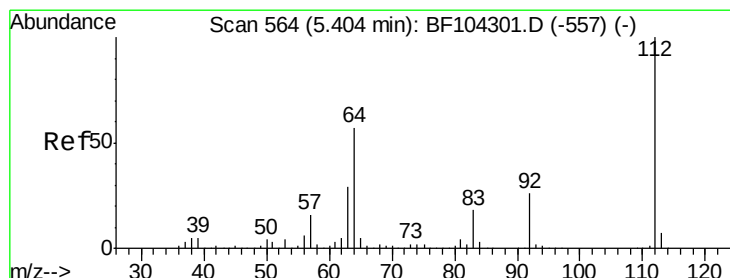
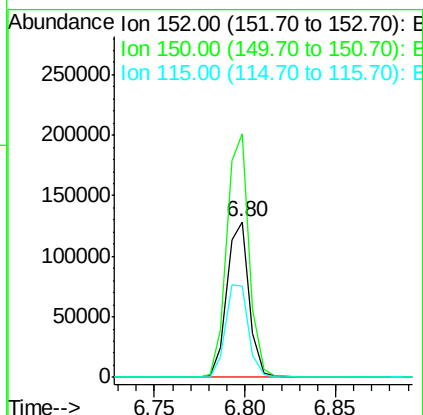
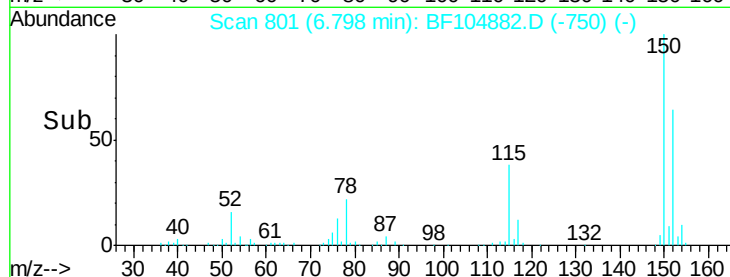
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104882.D
Acq: 27 Apr 2018 15:43

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.9	50.1	75.1



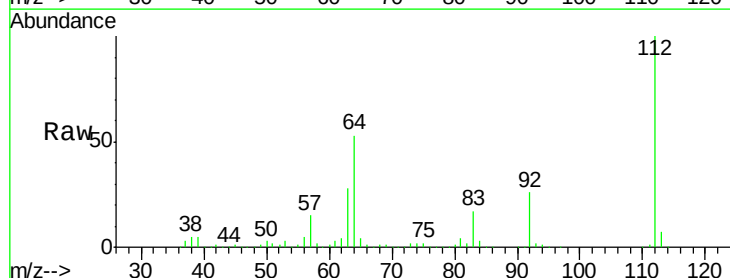
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



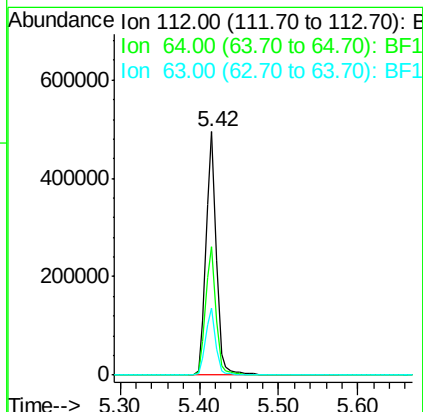
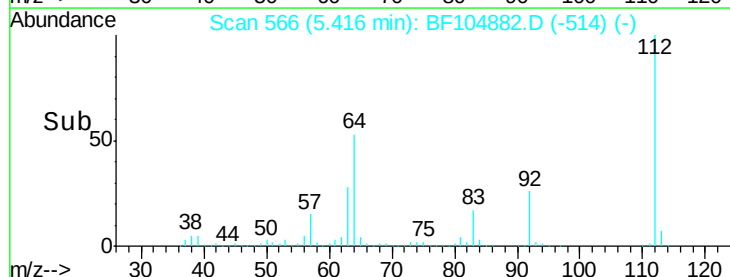
#5

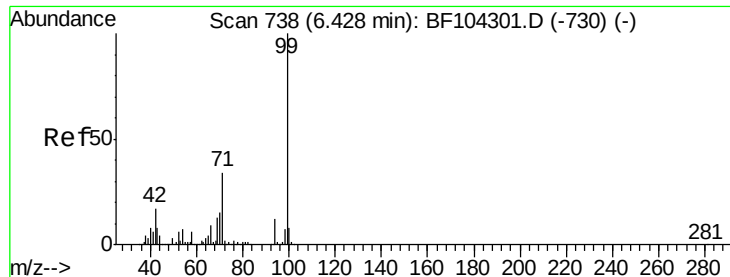
2-Fluorophenol
Concen: 63.869 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104882.D
Acq: 27 Apr 2018 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	47.9	71.9
63	27.7	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: 80.508 ng

RT: 6.44 min Scan# 740

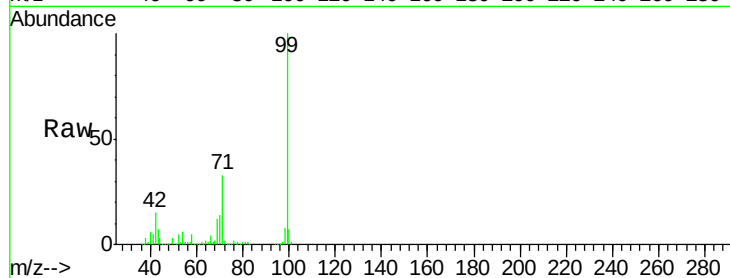
Delta R.T. -0.01 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

Tot Ion: 99 Resp: 709524

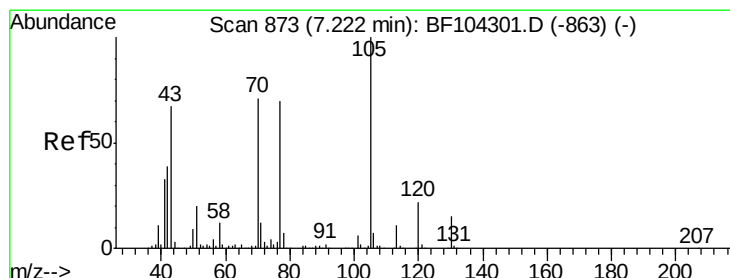
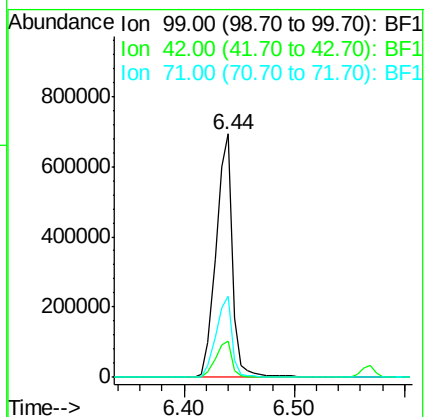
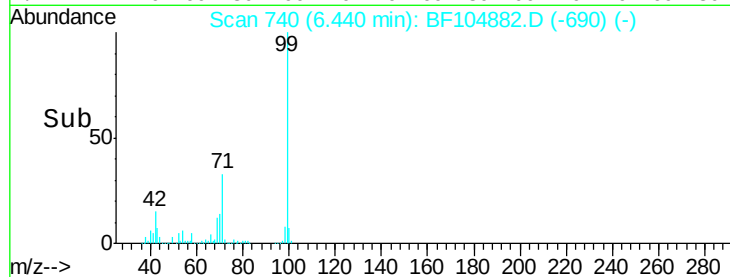
Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	33.1	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.815 ng

RT: 7.36 min Scan# 897

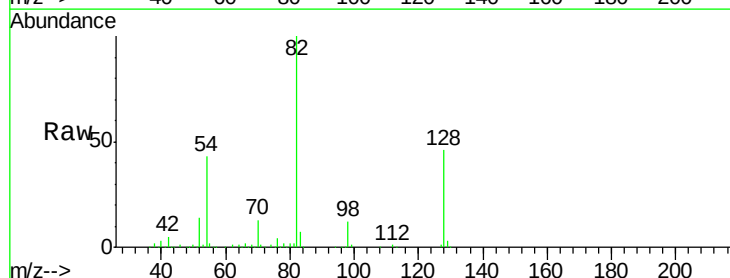
Delta R.T. 0.15 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

Tgt Ion: 70 Resp: 62281

Ion	Ratio	Lower	Upper
70	100		
42	38.8	47.5	71.3#
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

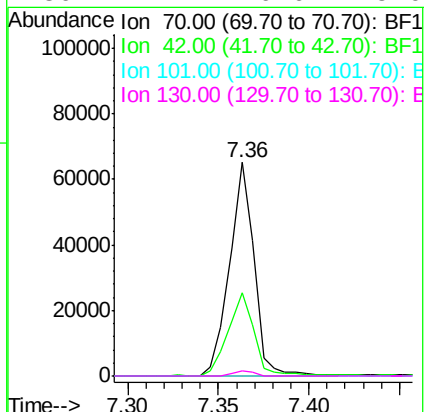
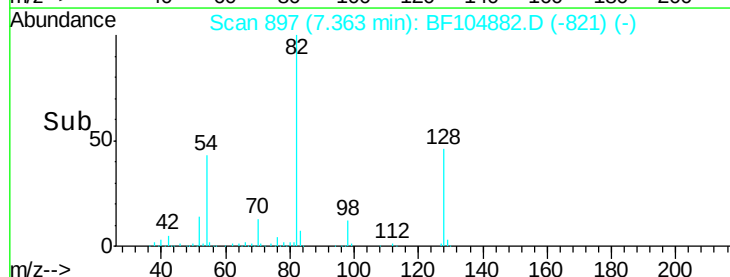


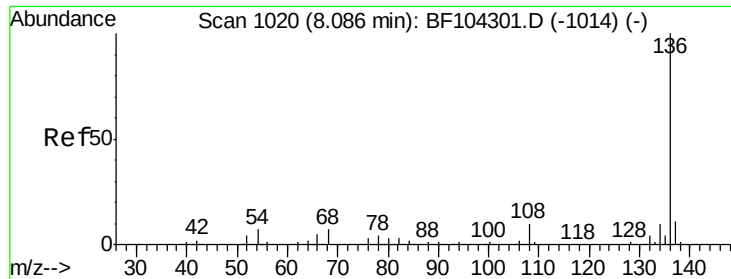
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

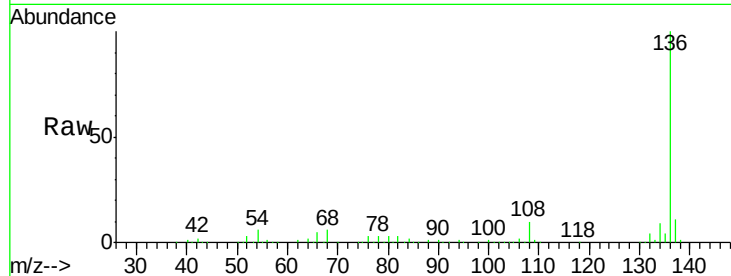
Ion 130.00 (129.70 to 130.70): BF1



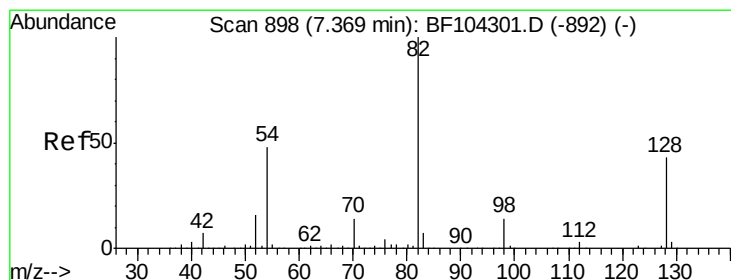
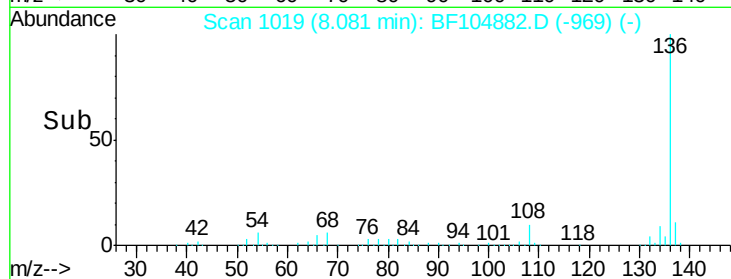
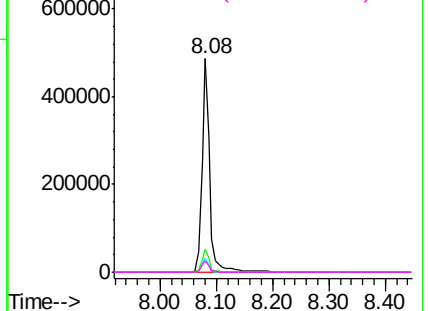


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104882.D
Acq: 27 Apr 2018 15:43

Tot Ion:136	Resp:	461167
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	6.4	6.6 9.8#
68	5.6	5.0 7.4

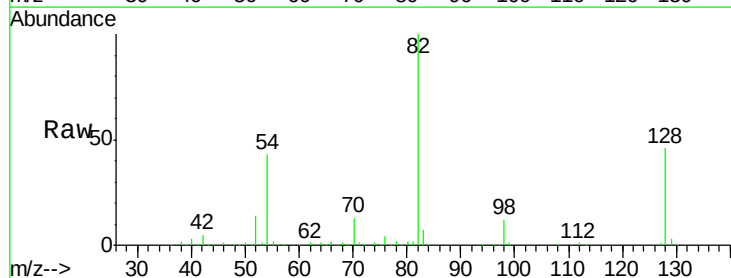


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

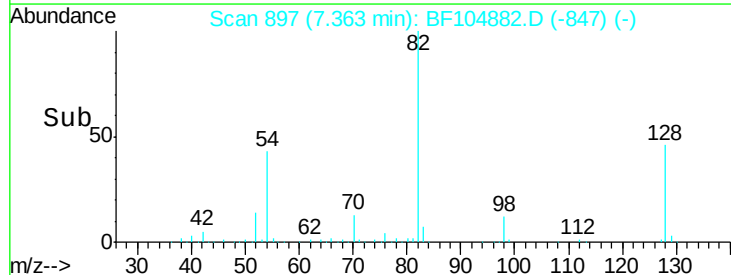
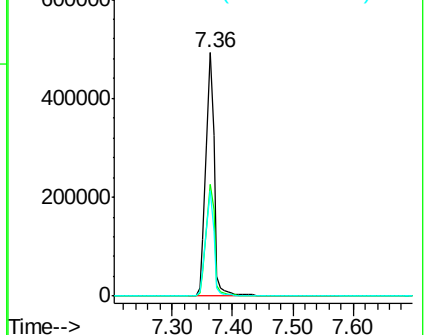


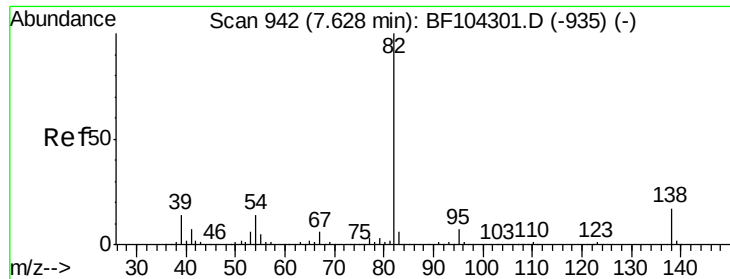
#23
Nitrobenzene-d5
Concen: 68.964 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104882.D
Acq: 27 Apr 2018 15:43

Tgt Ion: 82	Resp:	487056
Ion Ratio	Lower	Upper
82	100	
128	45.7	36.1 54.1
54	43.4	41.4 62.2



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





#25

Isophorone

Concen: 32.612 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

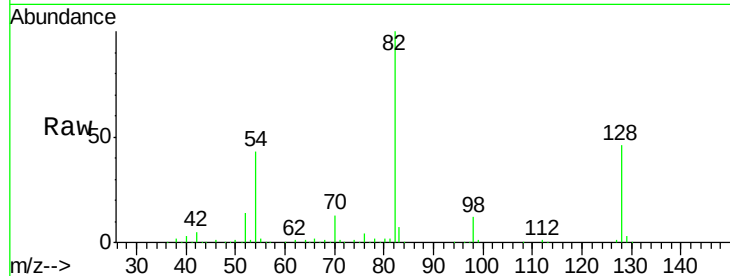
Tot Ion: 82 Resp: 487054

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

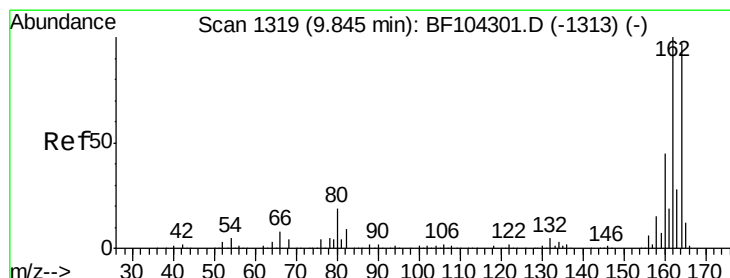
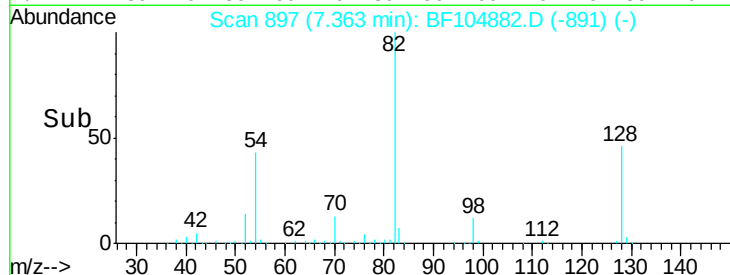
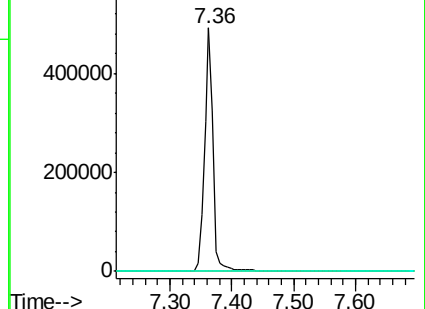
138 0.0 14.9 22.3#



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: BF104882.D

Acq: 27 Apr 2018 15:43

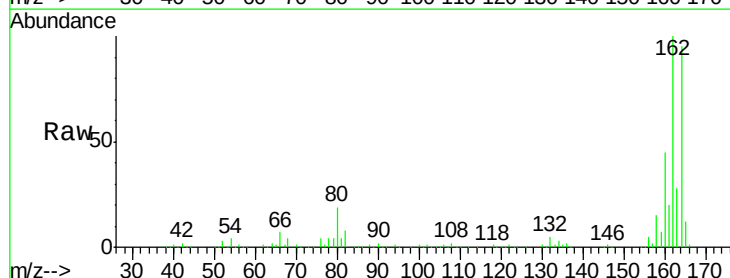
Tgt Ion: 164 Resp: 207522

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

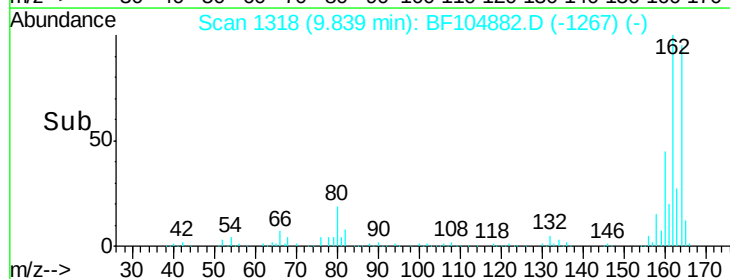
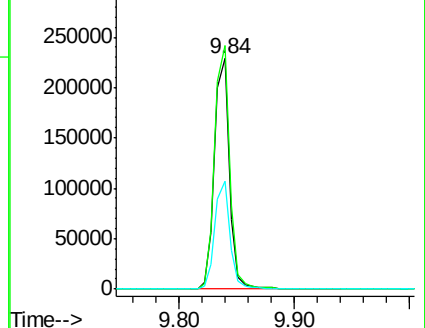
160 47.0 38.3 57.5

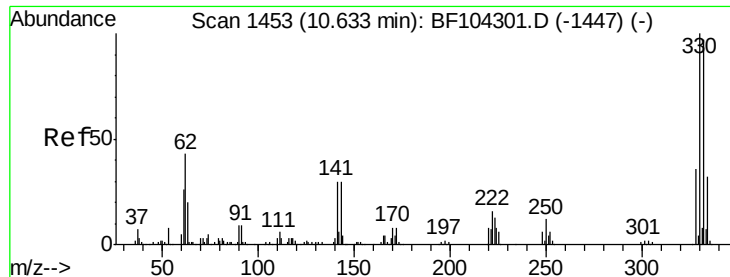


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

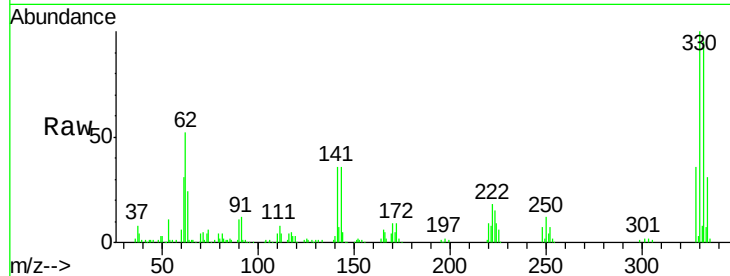
Ion 160.00 (159.70 to 160.70): E



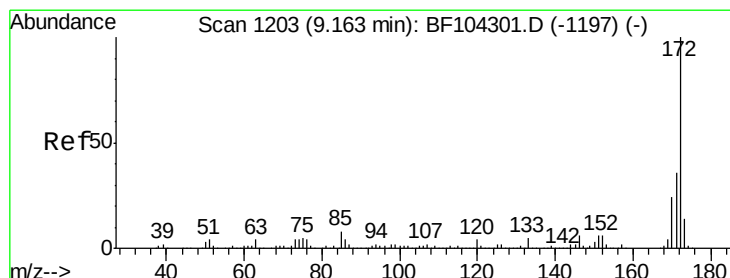
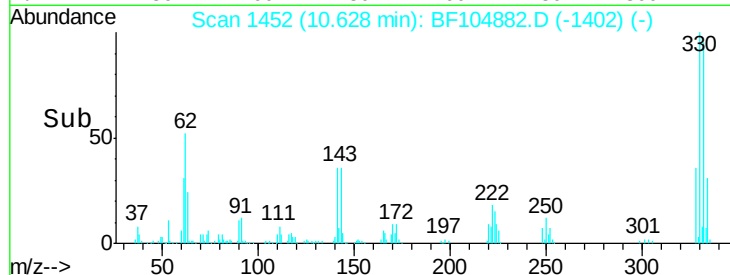
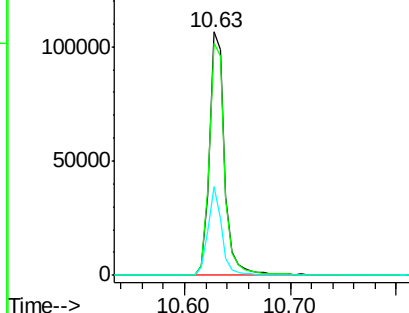


#41
 2,4,6-Tribromophenol
 Concen: 50.106 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.2	29.9	44.9

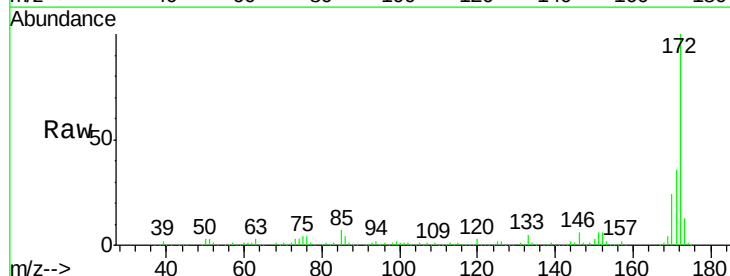


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

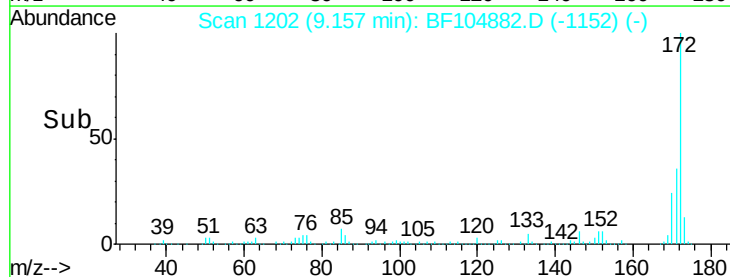
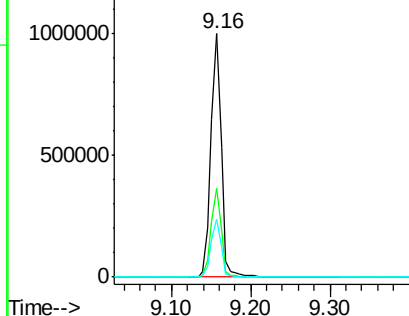


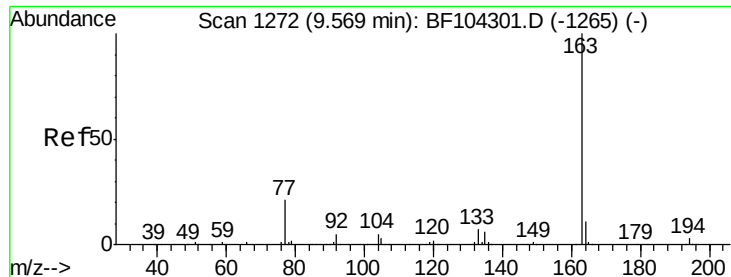
#44
 2-Fluorobiphenyl
 Concen: 68.928 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	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: 3.648 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

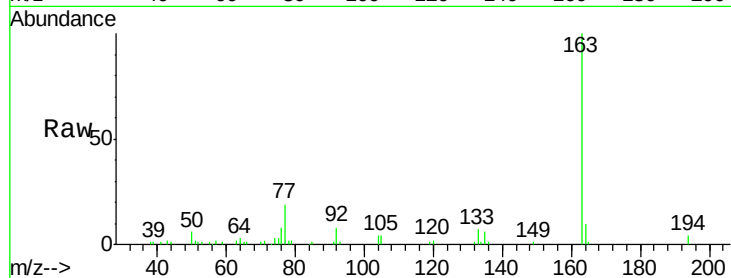
Tot Ion:163 Resp: 59697

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

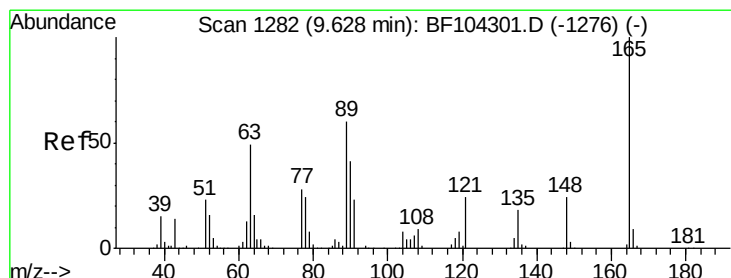
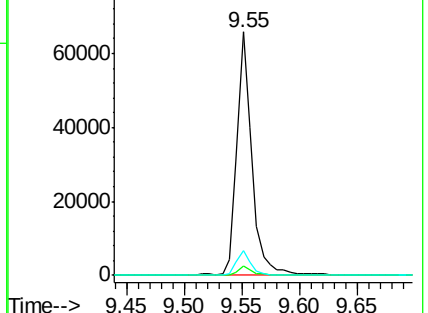
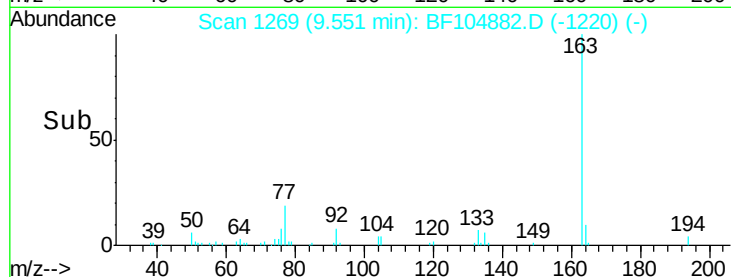
164 10.1 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.772 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

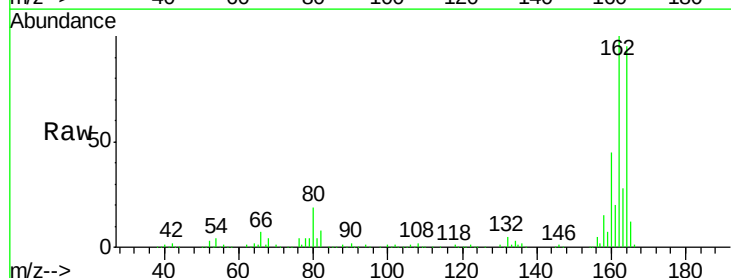
Tgt Ion:165 Resp: 26562

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

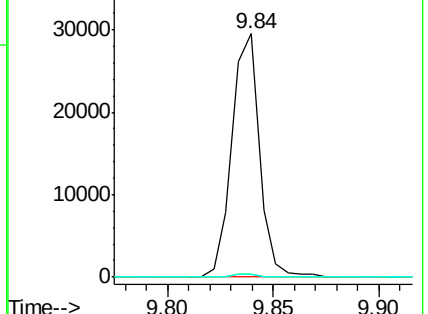
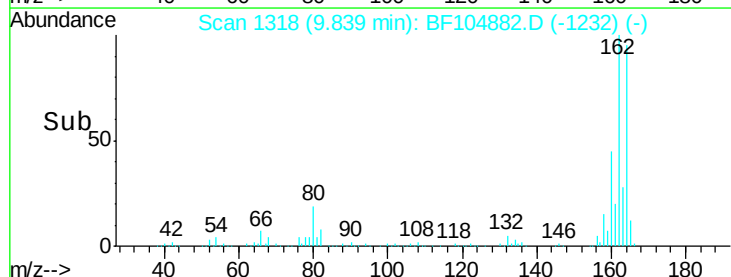
89 1.3 44.0 66.0#

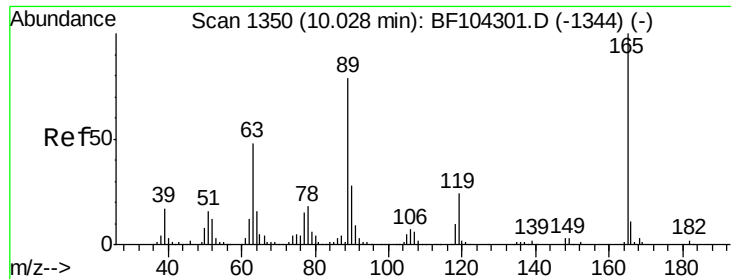


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

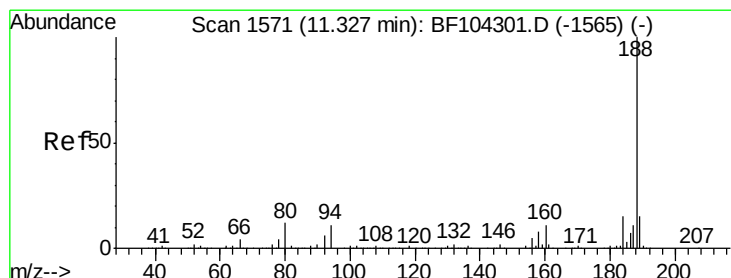
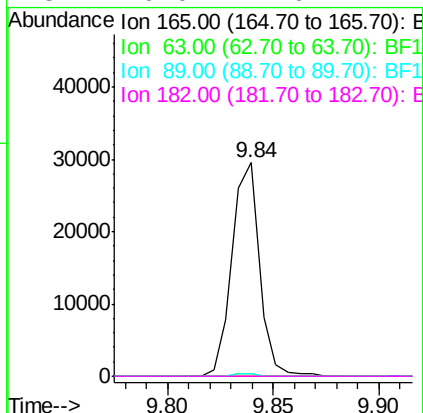
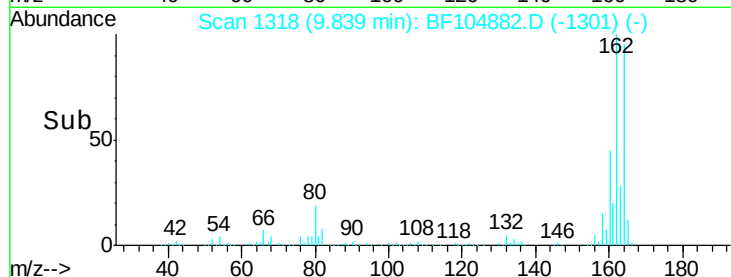
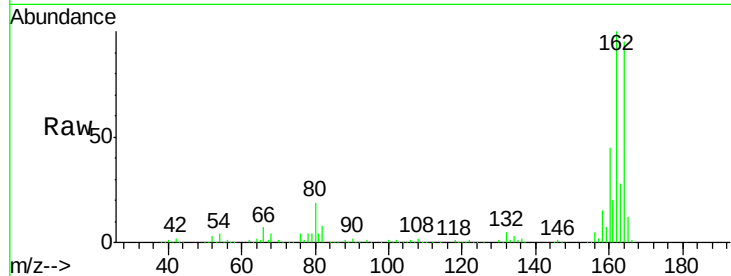
Ion 89.00 (88.70 to 89.70): BF1





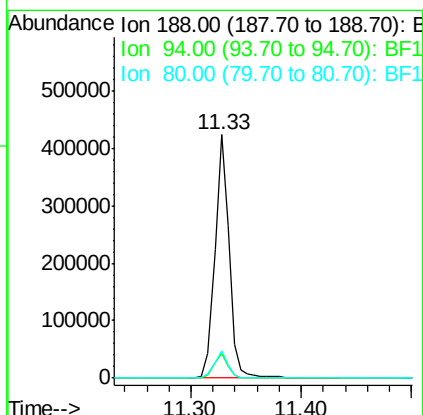
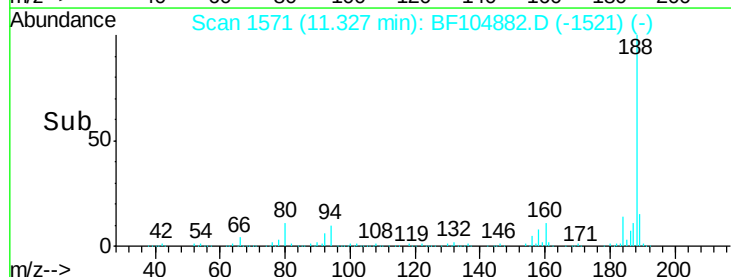
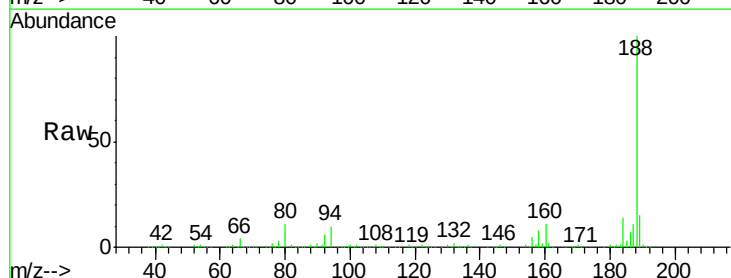
#56
 2,4-Dinitrotoluene
 Concen: 6.687 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

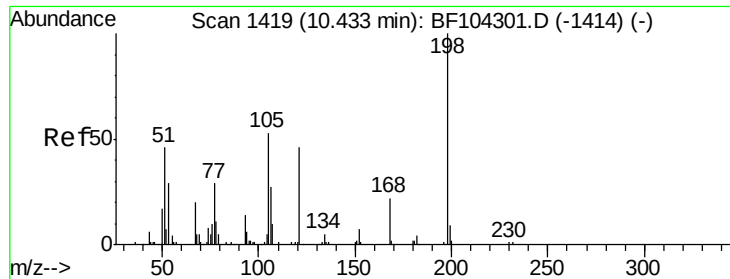
Tot Ion:165	Resp: 26562
Ion Ratio	Lower Upper
165 100	
63 1.4	36.4 54.6#
89 1.3	57.8 86.6#
182 0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

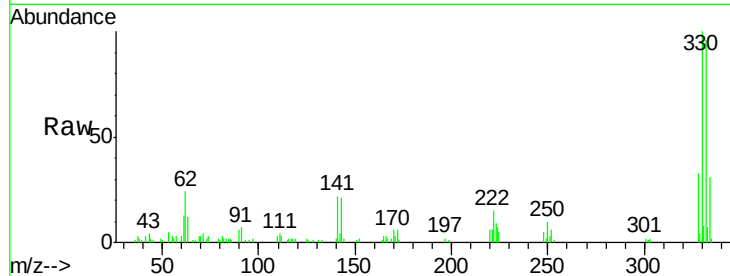
Tgt	Ion:188	Resp:	374121
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.2	9.2	13.8



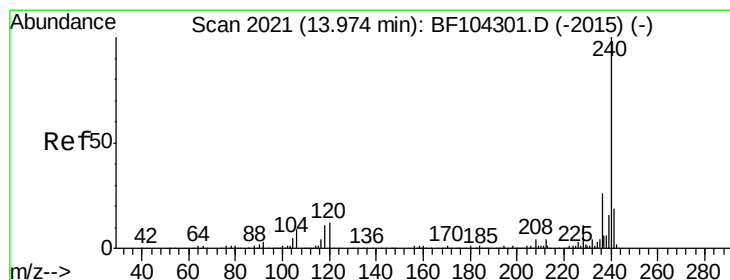
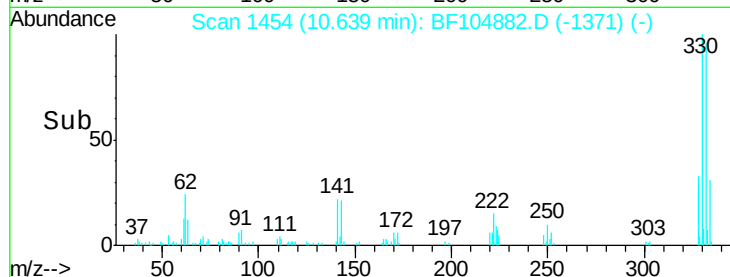
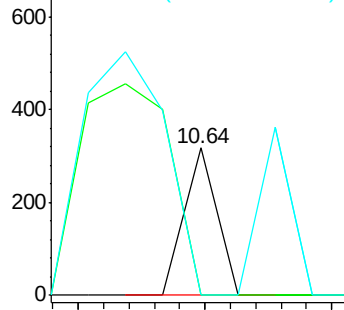


#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.399 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	37.7	77.7#
105	0.0	36.3	76.3#

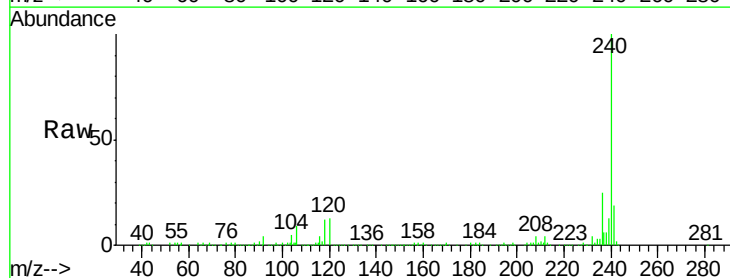


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

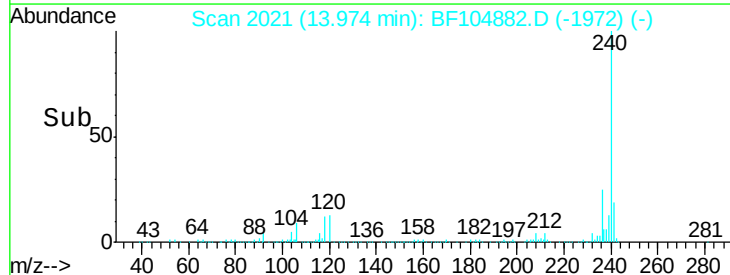
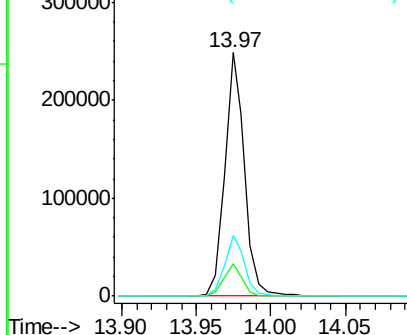


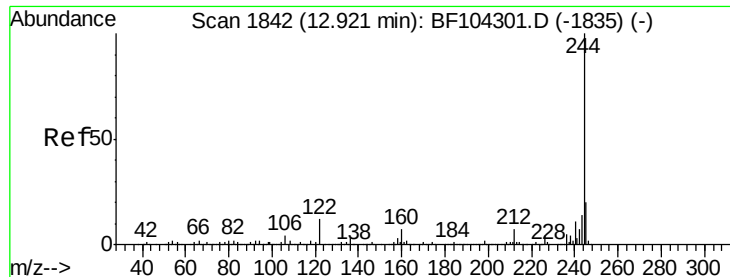
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104882.D
 Acq: 27 Apr 2018 15:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.1	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: 82.030 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

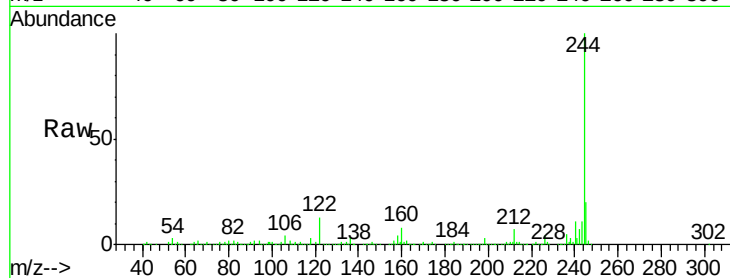
Tot Ion:244 Resp: 833342

Ion Ratio Lower Upper

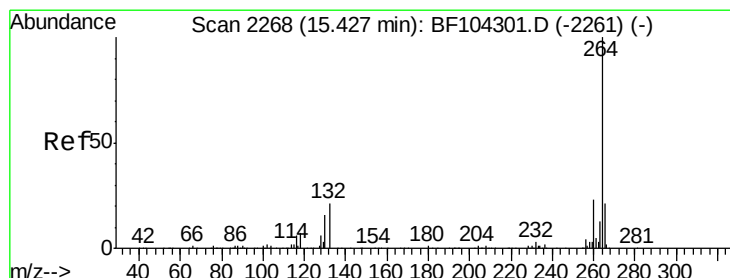
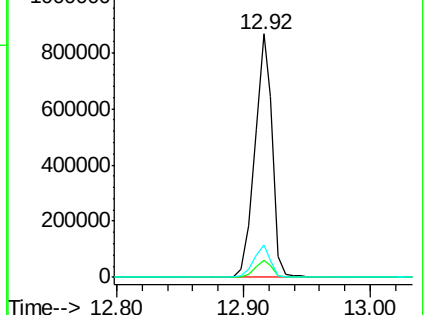
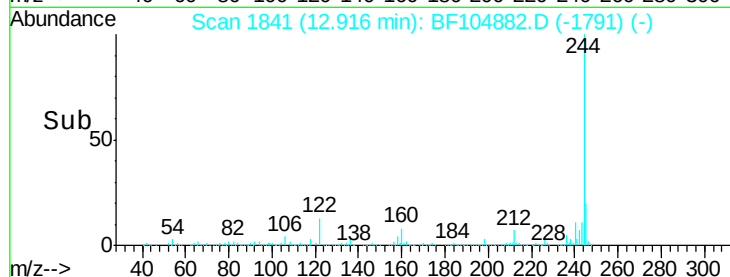
244 100

212 7.0 5.4 8.0

122 13.1 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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF104882.D

Acq: 27 Apr 2018 15:43

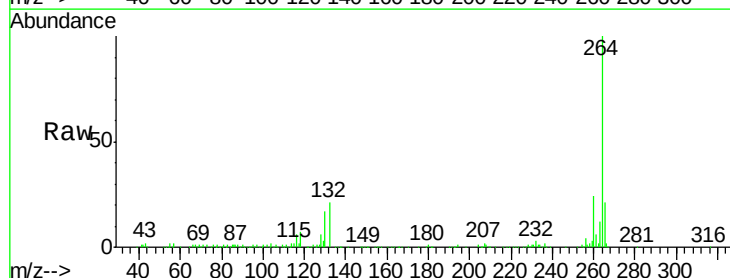
Tgt Ion:264 Resp: 237896

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 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

