

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100329.D
 Acq On : 9 Nov 2017 8:37
 Operator : SJ/JU
 Sample : I6373-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

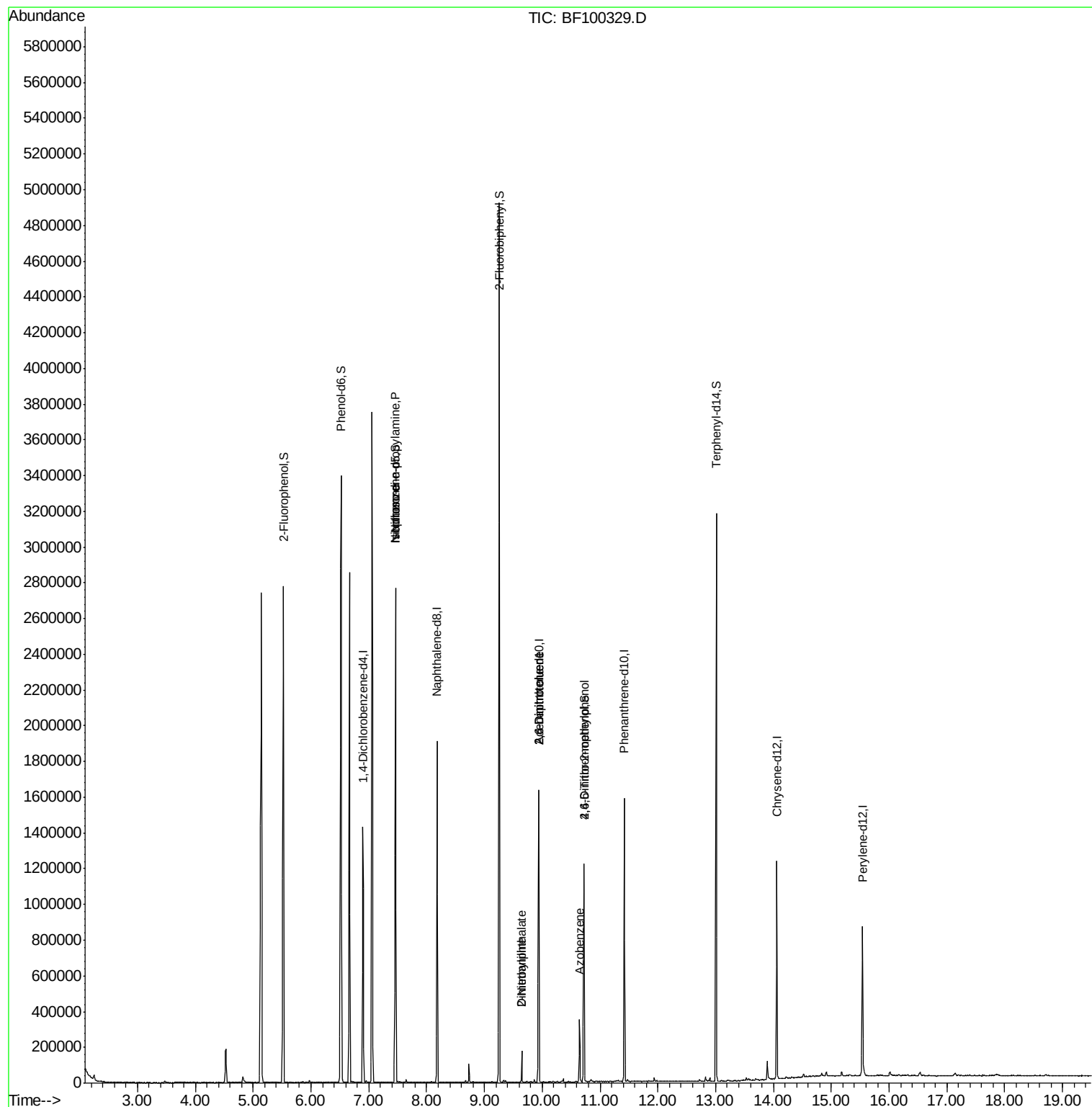
Quant Time: Nov 09 09:42:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 14:33:31 2017
 Response via : Initial Calibration

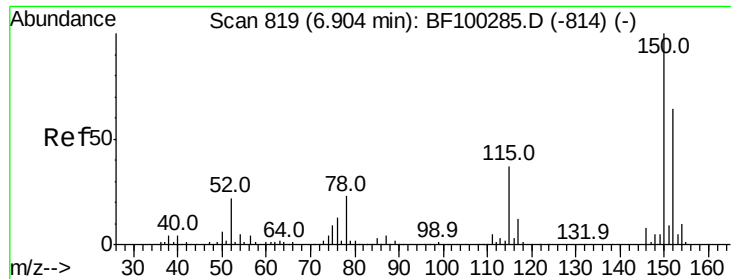
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	201195	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	781292	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	330630	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	515780	20.00	ng	0.00
75) Chrysene-d12	14.06	240	389356	20.00	ng	-0.01
86) Perylene-d12	15.54	264	378385	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	745982	59.43	ng	0.01
7) Phenol-d6	6.52	99	1256380	81.18	ng	0.00
23) Nitrobenzene-d5	7.46	82	918731	77.74	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	136710	40.58	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1625074	74.84	ng	0.00
78) Terphenyl-d14	13.01	244	1093974	64.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	121687	11.337	ng	# 80
25) Isophorone	7.46	82	918712	36.995	ng	# 64
47) 2-Nitroaniline	9.65	65	371	2.841	ng	# 1
49) Dimethylphthalate	9.65	163	56115	2.223	ng	99
50) 2,6-Dinitrotoluene	9.93	165	43052	8.616	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	43052	6.830	ng	# 23
62) Azobenzene	10.65	77	50851	2.137	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	326	8.673	ng	# 68

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

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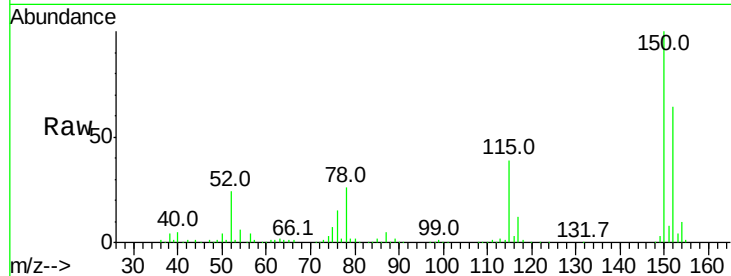




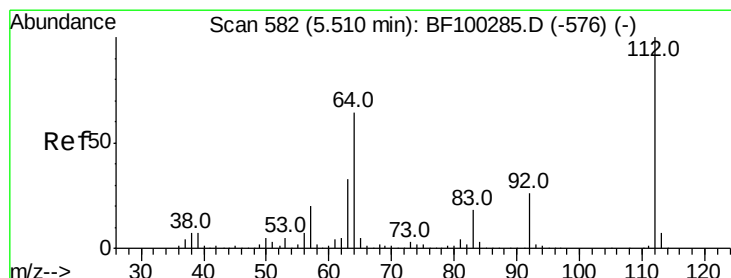
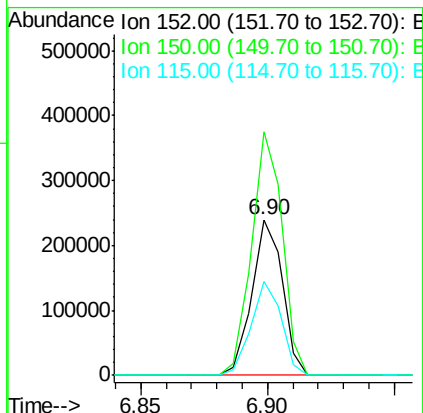
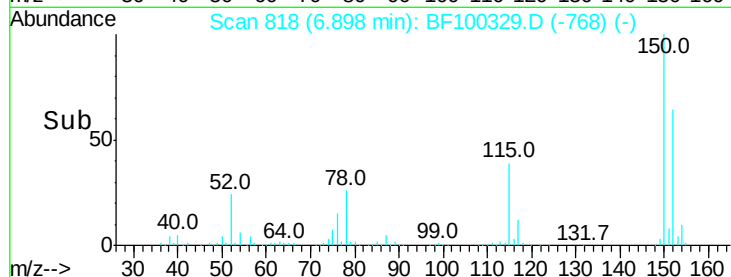
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100329.D
Acq: 9 Nov 2017 8:37

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	60.8	50.1	75.1



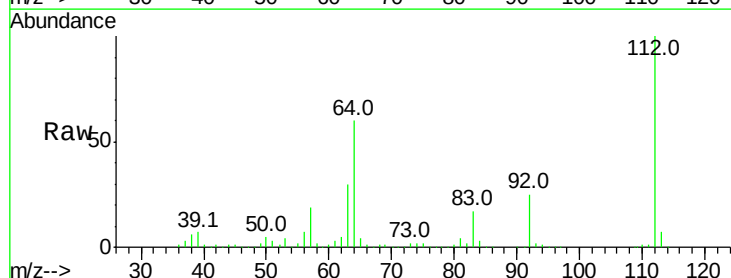
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



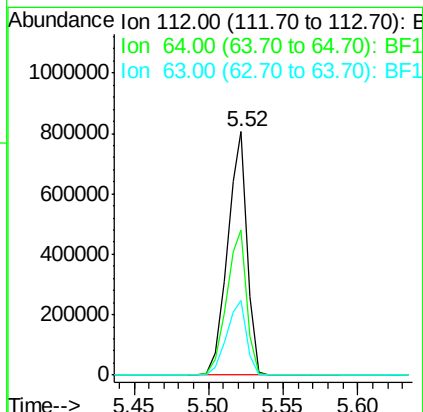
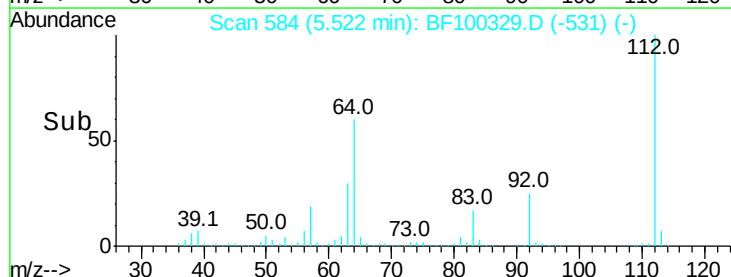
#5

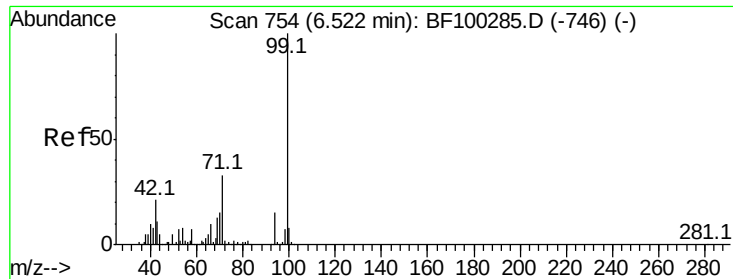
2-Fluorophenol
Concen: 59.435 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100329.D
Acq: 9 Nov 2017 8:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	30.5	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: 81.175 ng

RT: 6.52 min Scan# 754

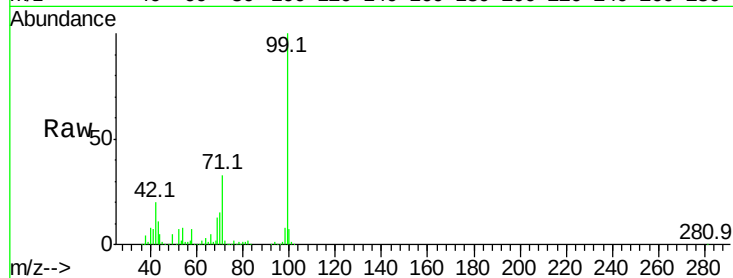
Delta R.T. 0.00 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

Tot Ion: 99 Resp: 1256380

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	33.3	25.4	38.0

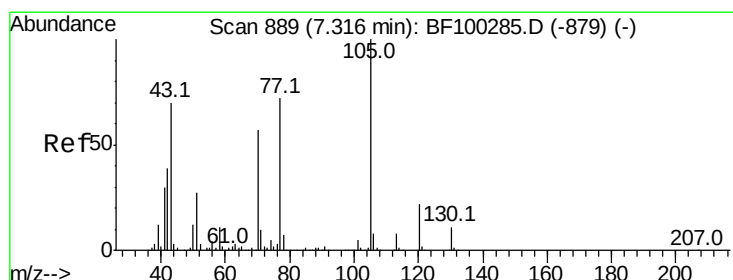
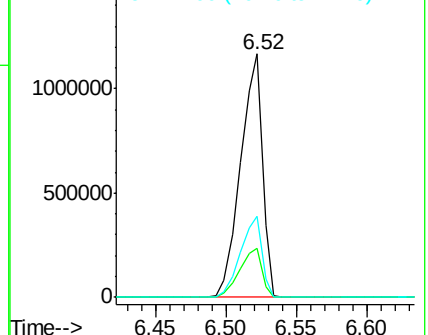
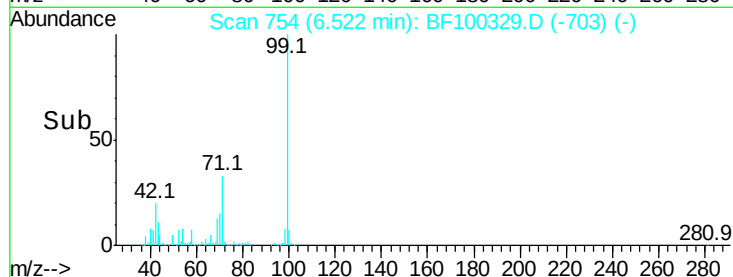


Abundance

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: 11.337 ng

RT: 7.46 min Scan# 914

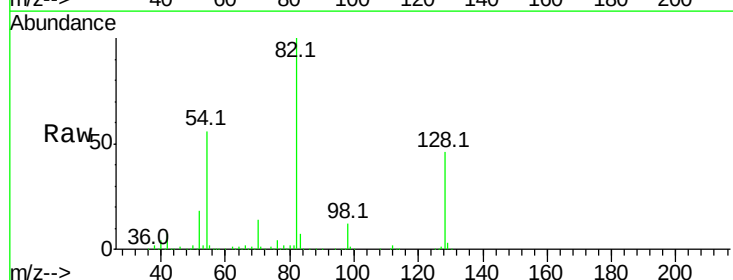
Delta R.T. 0.15 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

Tgt Ion: 70 Resp: 121687

Ion	Ratio	Lower	Upper
70	100		
42	50.5	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



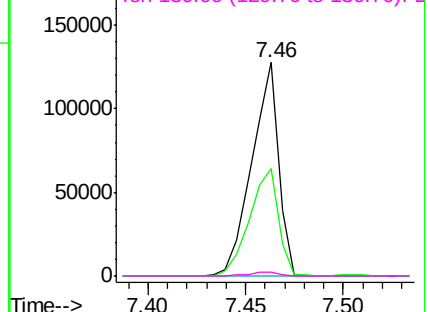
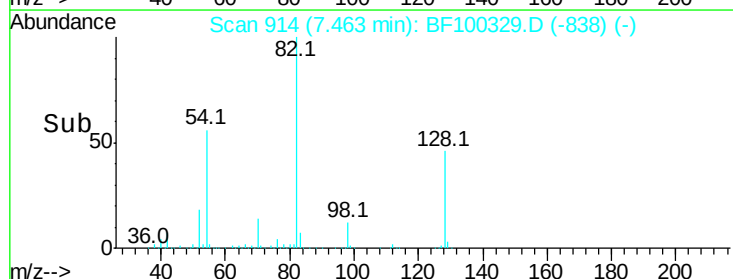
Abundance

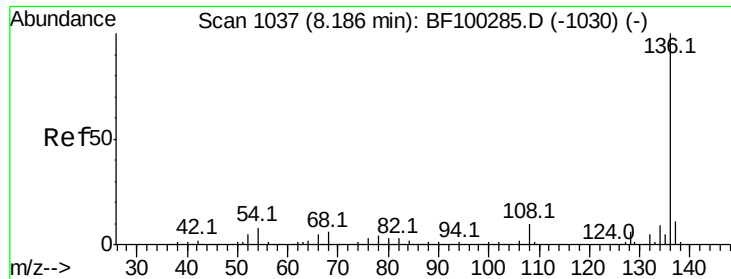
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

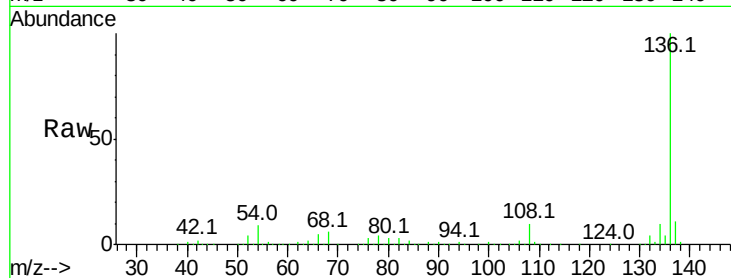
Ion 130.00 (129.70 to 130.70): BF1



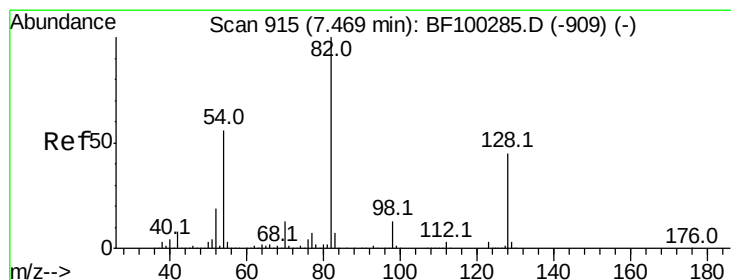
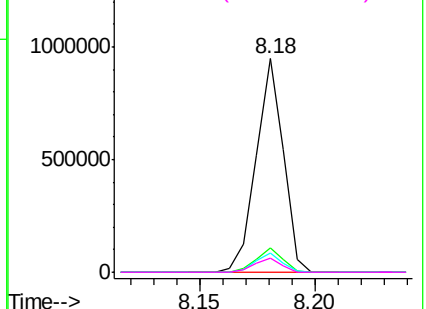
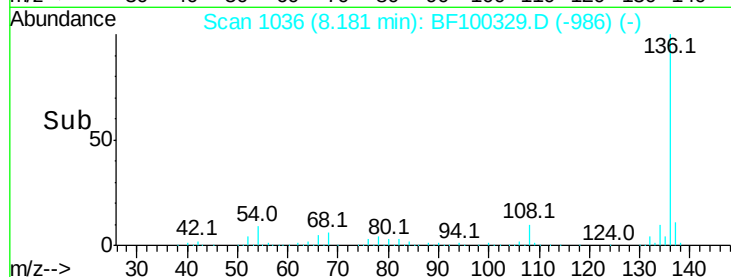


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100329.D
Acq: 9 Nov 2017 8:37

Tot Ion:136	Resp:	781292
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 9.1	6.6	9.8
68 6.5	5.0	7.4

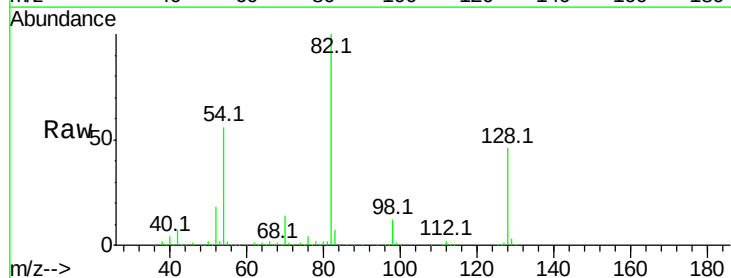


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

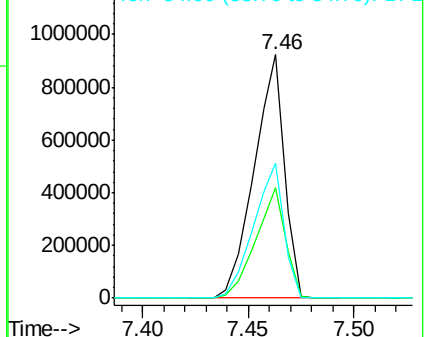
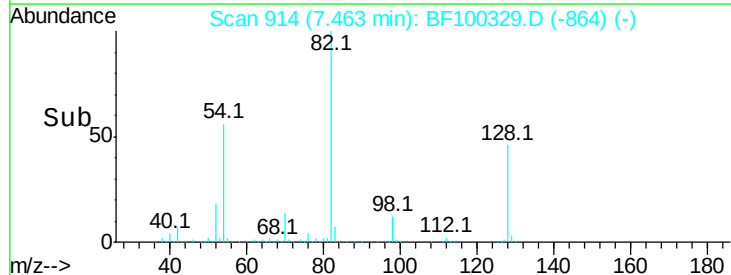


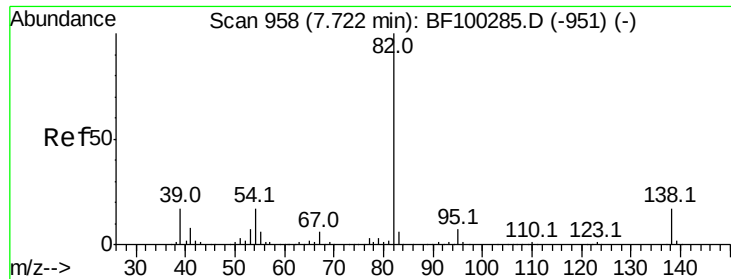
#23
Nitrobenzene-d5
Concen: 77.744 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100329.D
Acq: 9 Nov 2017 8:37

Tgt Ion: 82	Resp: 918731
Ion Ratio	Lower Upper
82 100	
128 45.5	36.1 54.1
54 55.5	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: 36.995 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

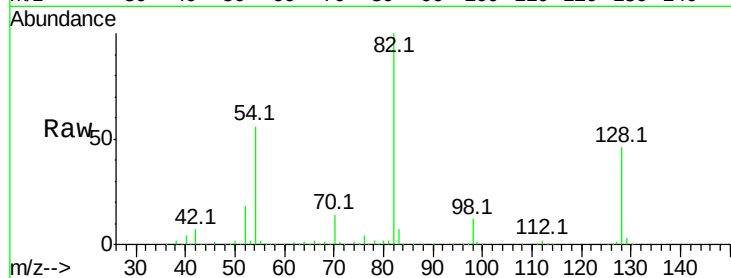
Tot Ion: 82 Resp: 918712

Ion Ratio Lower Upper

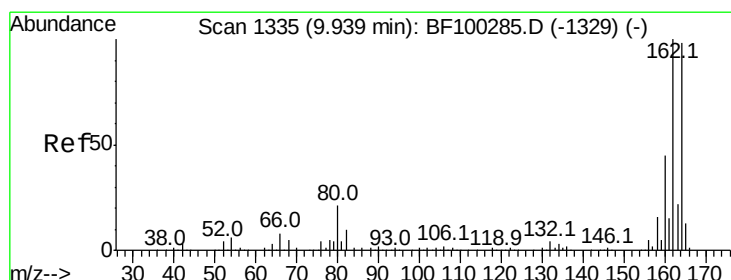
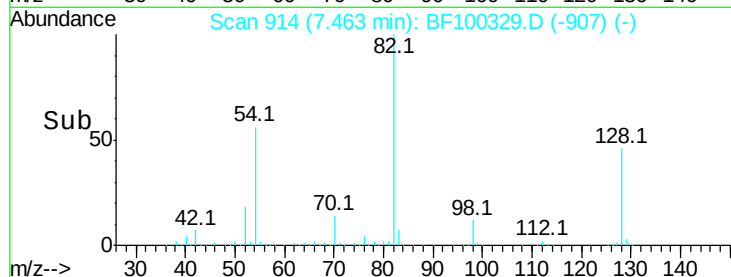
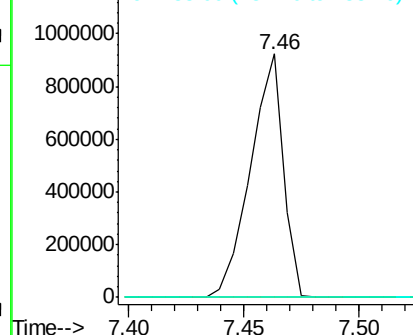
82 100

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: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

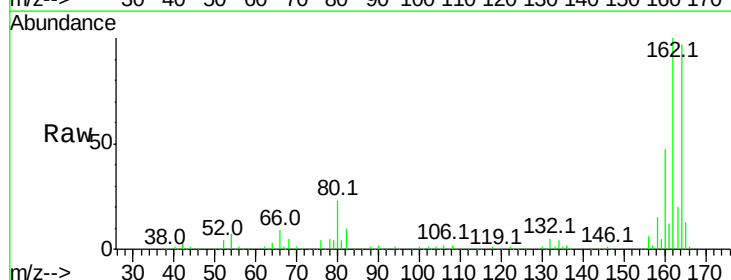
Tgt Ion: 164 Resp: 330630

Ion Ratio Lower Upper

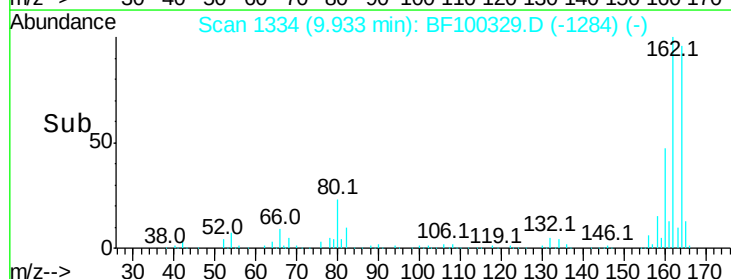
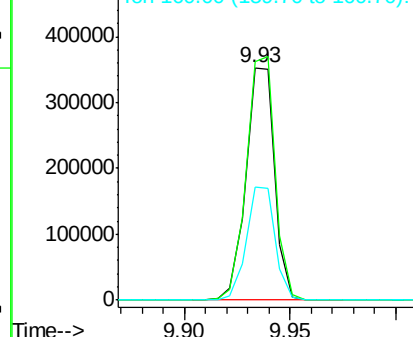
164 100

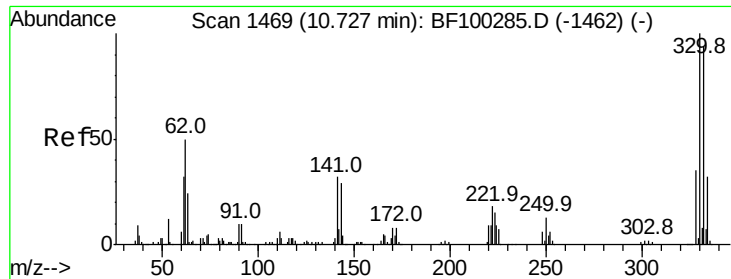
162 103.0 86.1 129.1

160 48.5 38.3 57.5



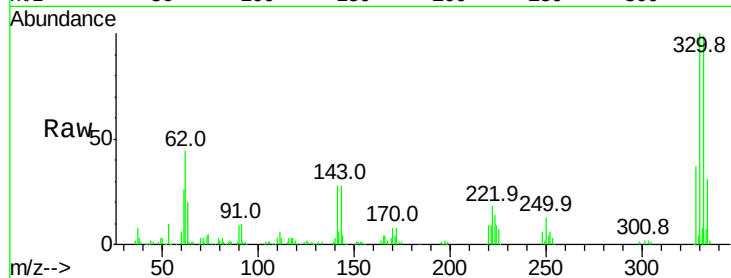
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



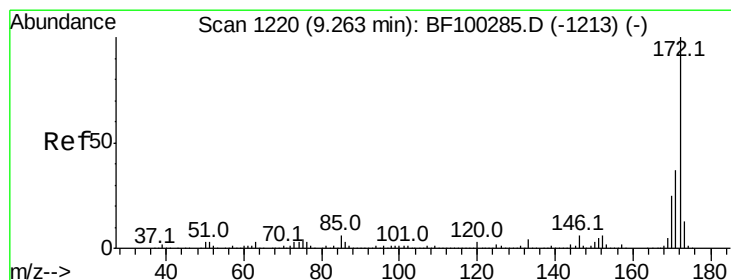
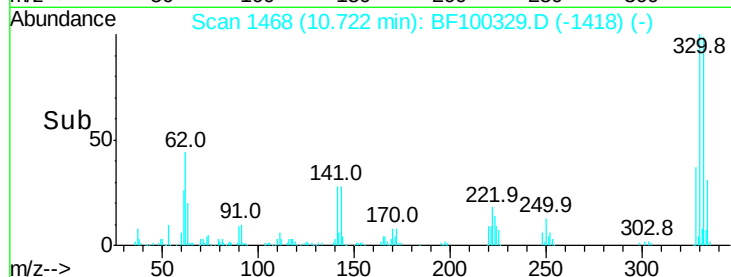
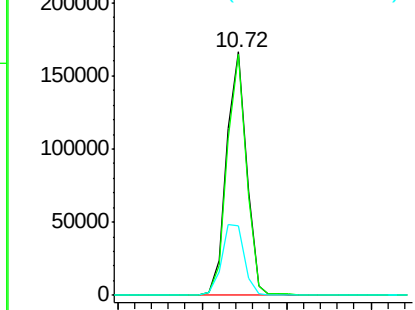


#41
 2,4,6-Tribromophenol
 Concen: 40.577 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.8	29.9	44.9

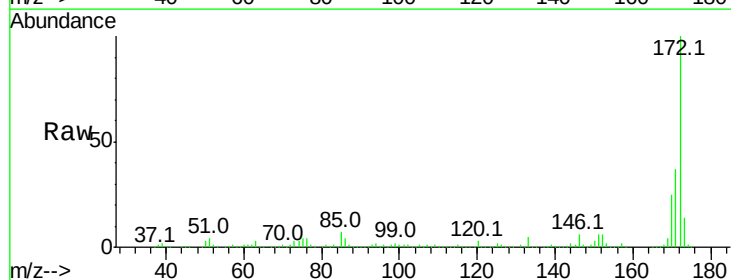


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

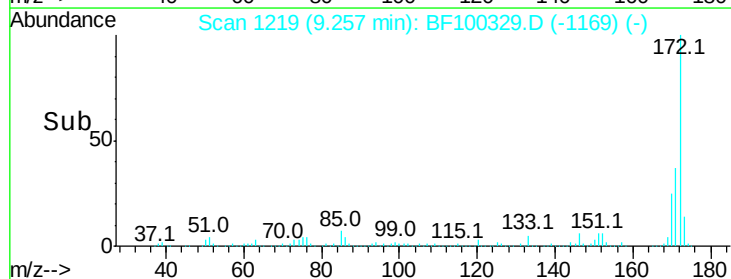
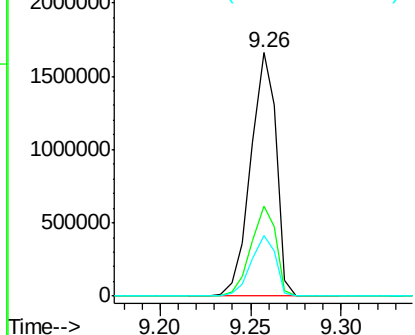


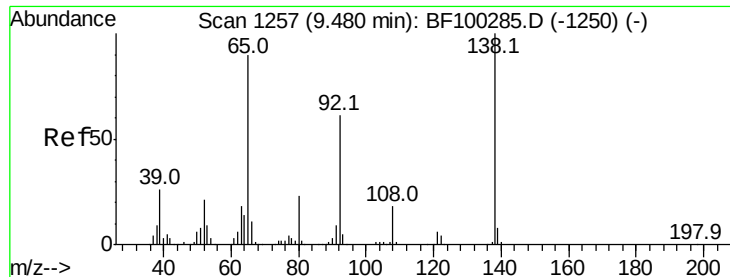
#44
 2-Fluorobiphenyl
 Concen: 74.843 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.9	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





#47

2-Nitroaniline

Concen: 2.841 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.17 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

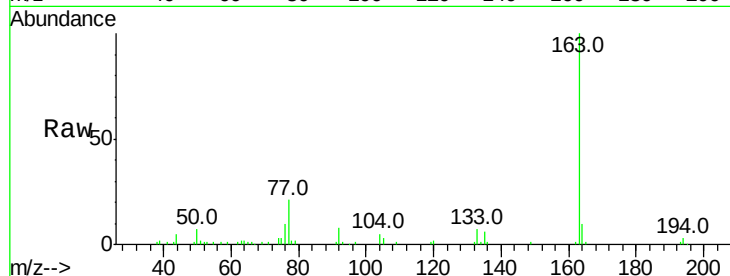
Tot Ion: 65 Resp: 371

Ion Ratio Lower Upper

65 100

92 890.8 55.8 83.6#

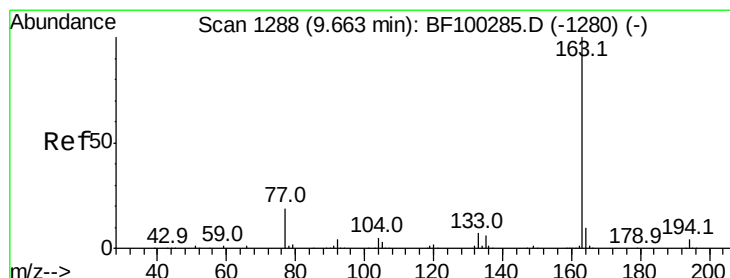
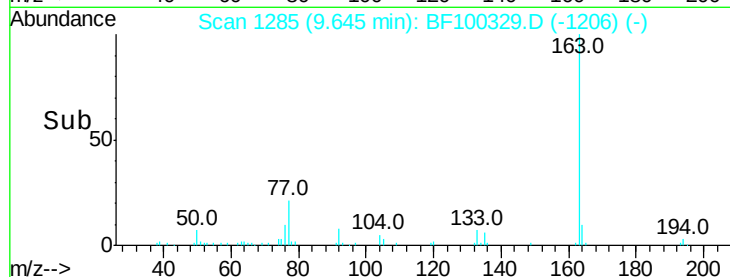
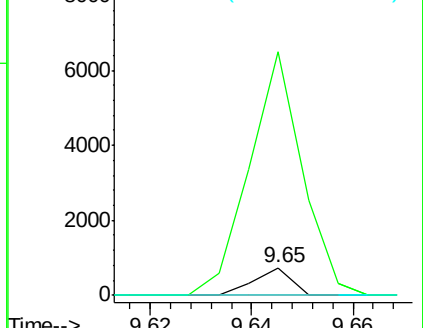
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 2.223 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

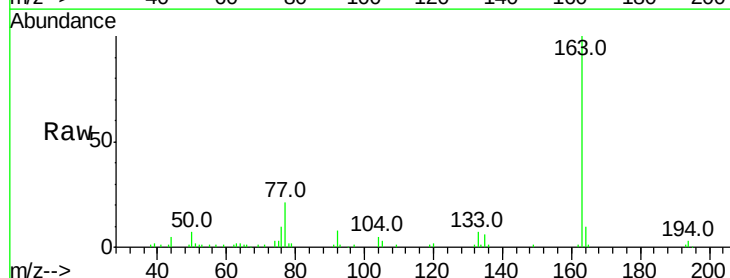
Tgt Ion: 163 Resp: 56115

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

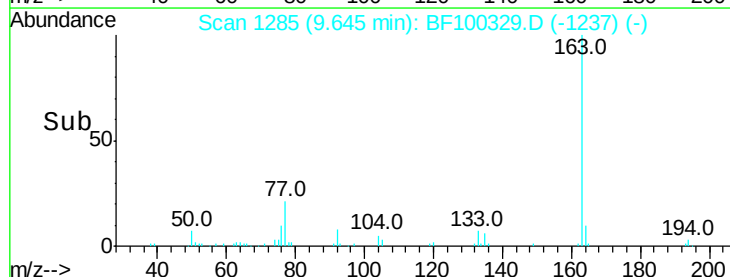
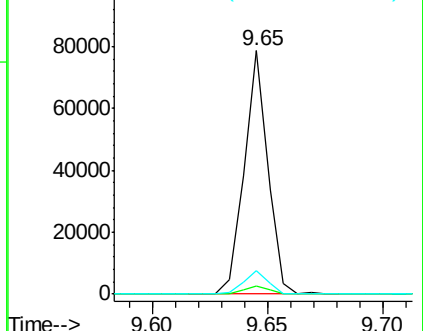
164 9.8 8.2 12.2

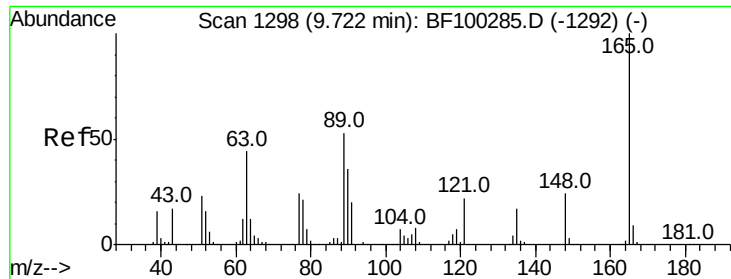


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

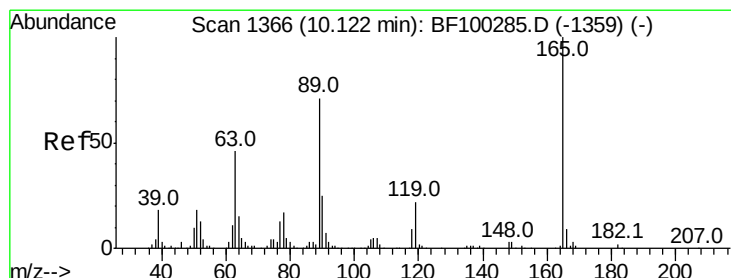
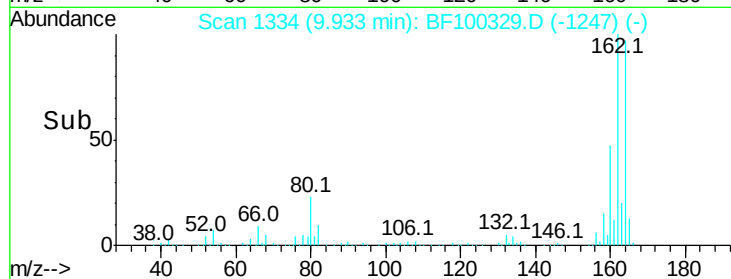
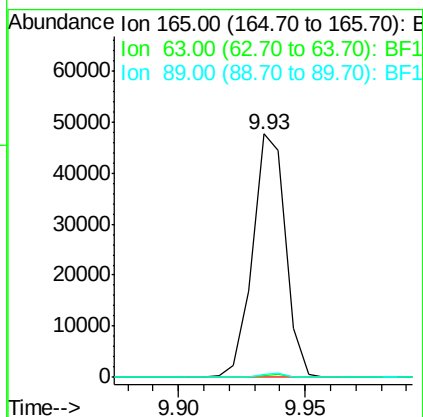
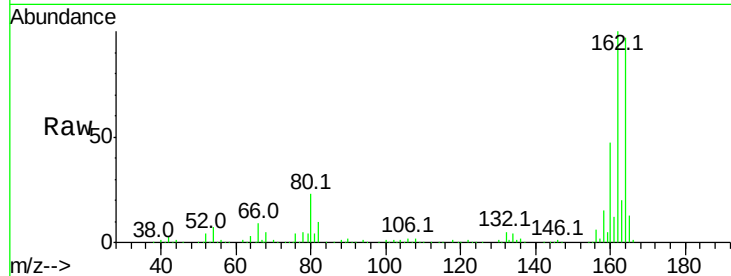
Ion 164.00 (163.70 to 164.70): E





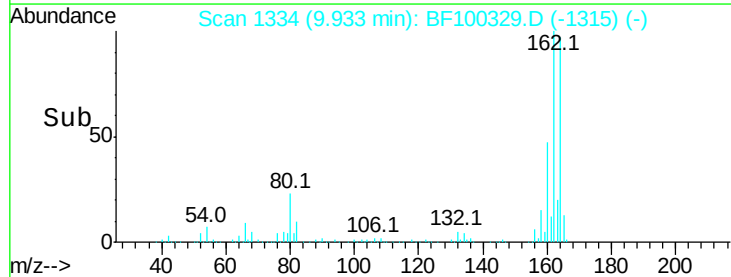
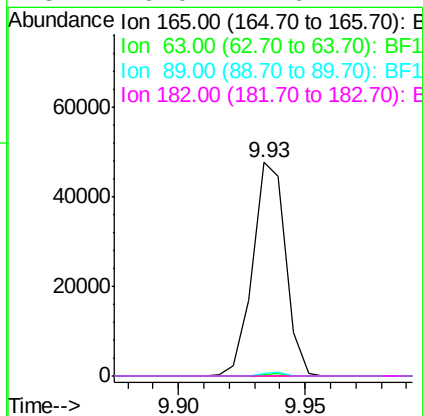
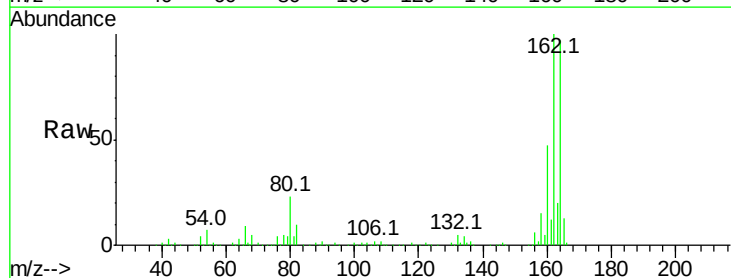
#50
 2,6-Dinitrotoluene
 Concen: 8.616 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.21 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

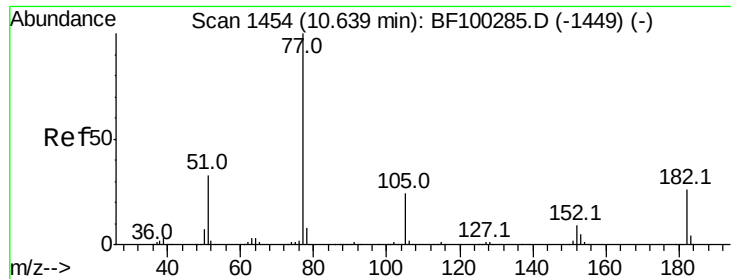
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.830 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 2.137 ng

RT: 10.65 min Scan# 1455

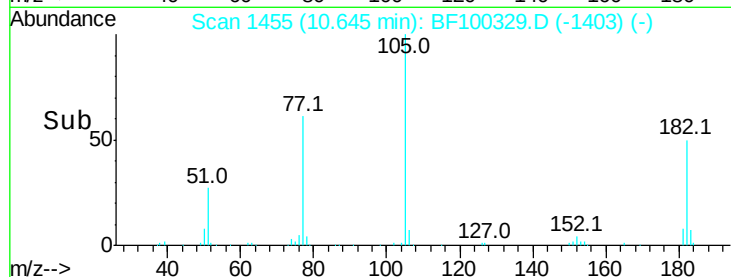
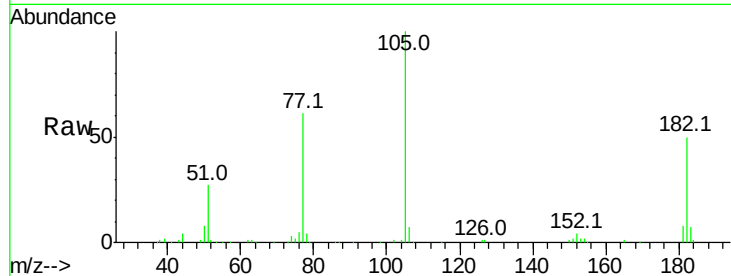
Delta R.T. 0.01 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

Tot Ion: 77 Resp: 50851

Ion	Ratio	Lower	Upper
77	100		
182	82.0	1.7	41.7#
105	162.9	3.0	43.0#
51	44.8	9.9	49.9

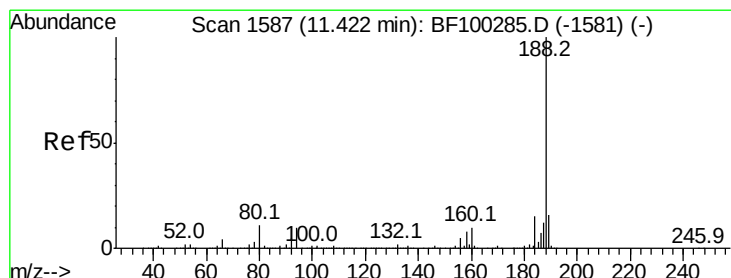
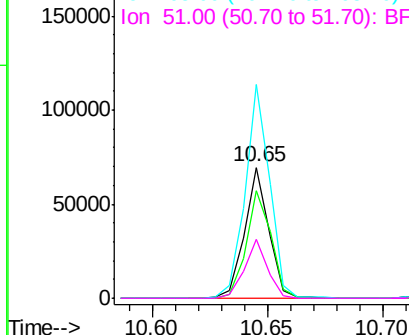


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

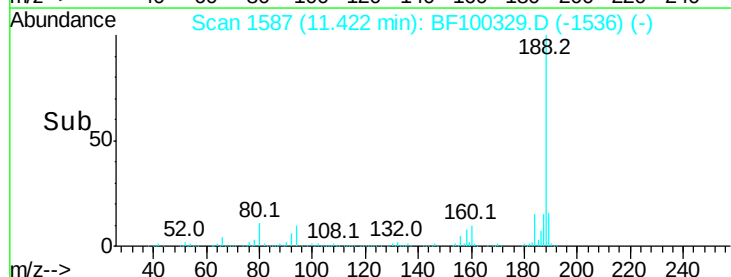
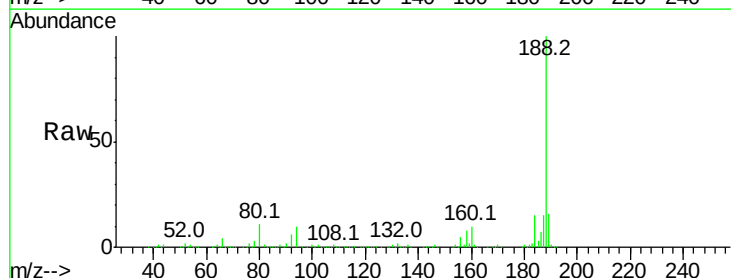
Delta R.T. 0.00 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

Tgt Ion: 188 Resp: 515780

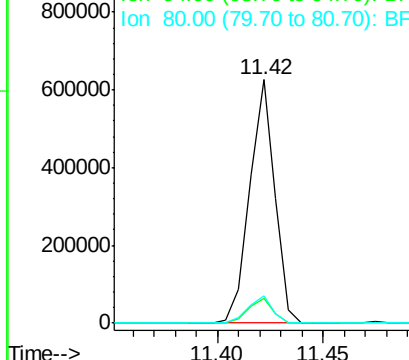
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

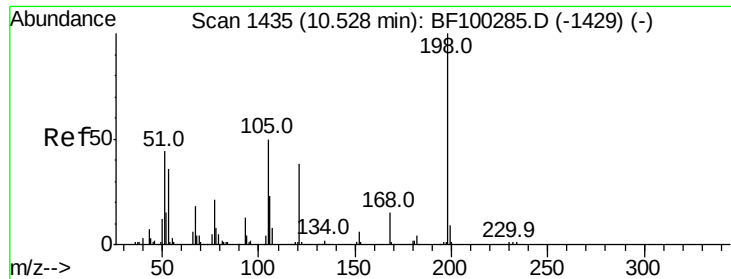


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.673 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

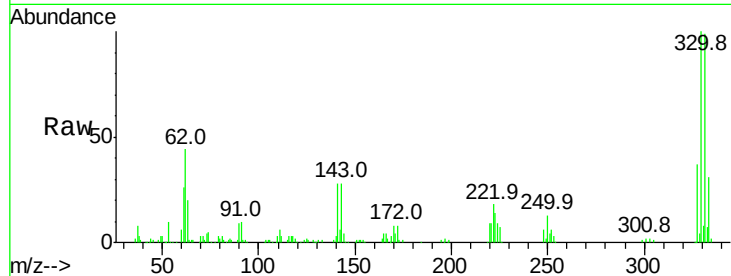
Tot Ion:198 Resp: 326

Ion Ratio Lower Upper

198 100

51 27.2 37.7 77.7#

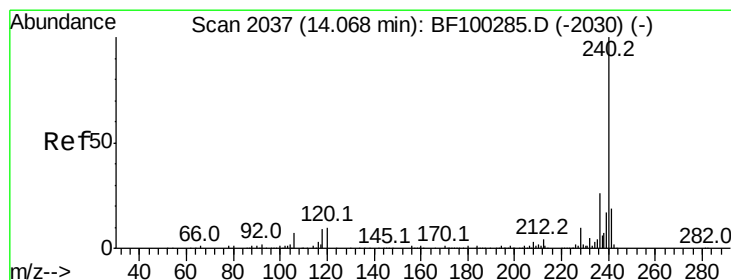
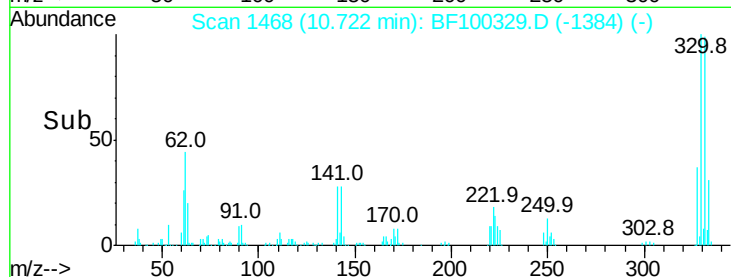
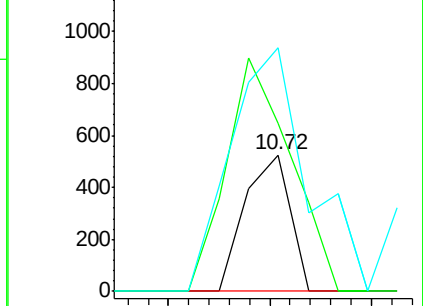
105 39.5 36.3 76.3



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF100329.D

Acq: 9 Nov 2017 8:37

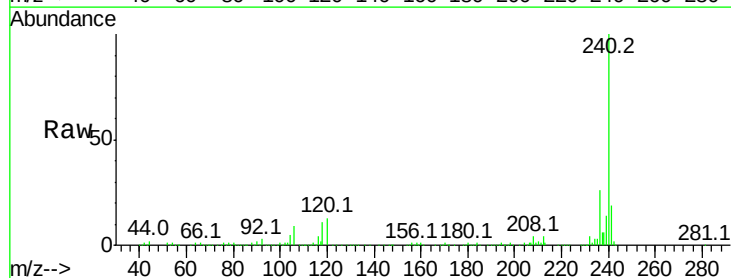
Tgt Ion:240 Resp: 389356

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

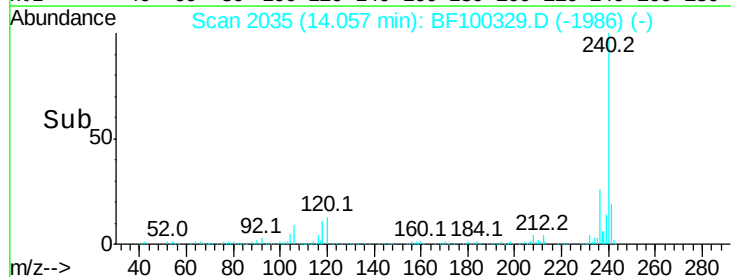
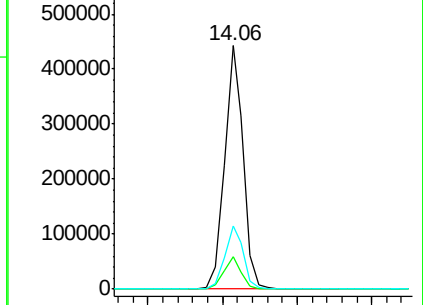
236 25.9 20.7 31.1

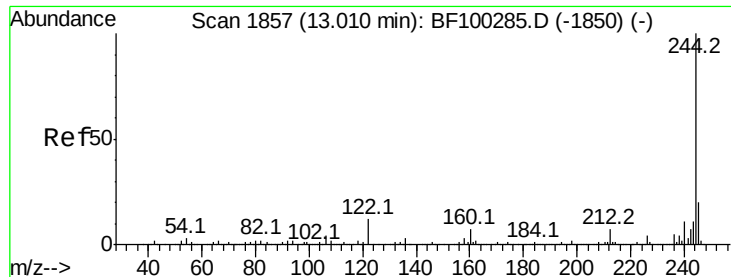


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

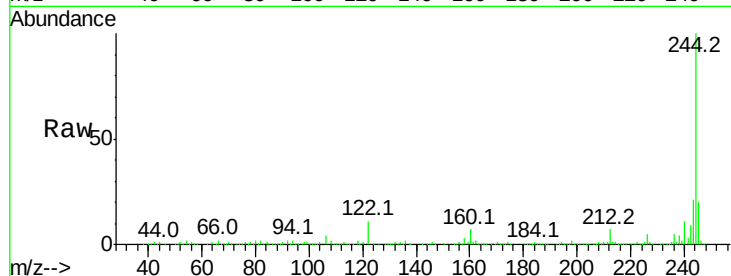
Ion 236.00 (235.70 to 236.70): E



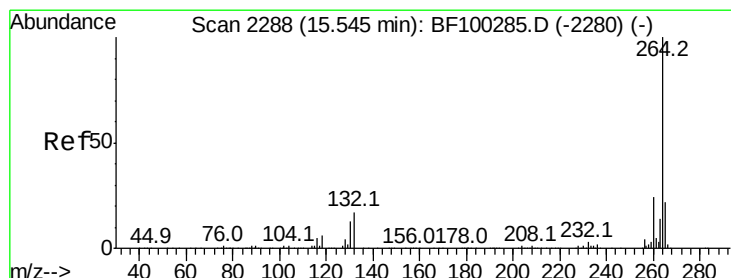
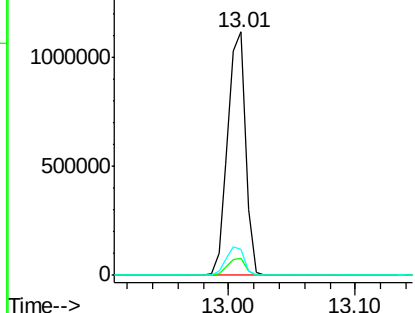
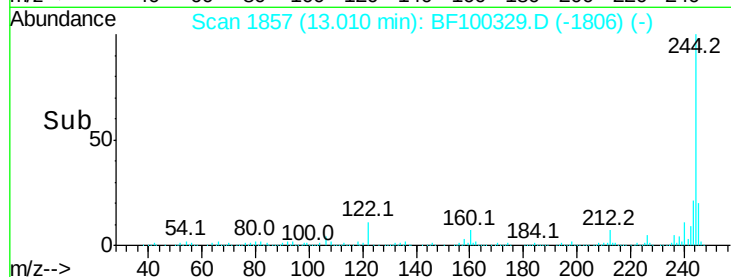


#78
 Terphenyl-d14
 Concen: 64.559 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

Tot Ion:244 Resp: 1093974
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.9 11.0 16.4#

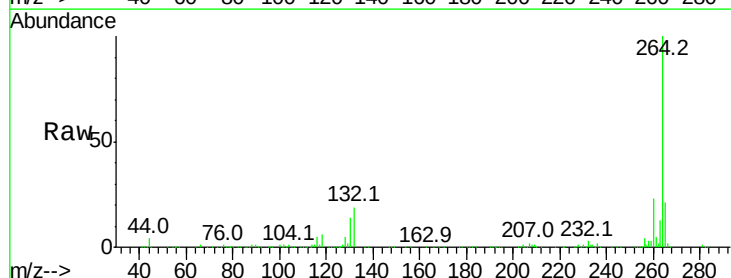


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF100329.D
 Acq: 9 Nov 2017 8:37

Tgt Ion:264 Resp: 378385
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.3 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

