

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100314.D
 Acq On : 9 Nov 2017 1:27
 Operator : SJ/JU
 Sample : I6346-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 09 01:55:47 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	189555	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	727445	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	304345	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	478923	20.00	ng	0.00
75) Chrysene-d12	14.06	240	367614	20.00	ng	-0.01
86) Perylene-d12	15.54	264	351195	20.00	ng	0.00

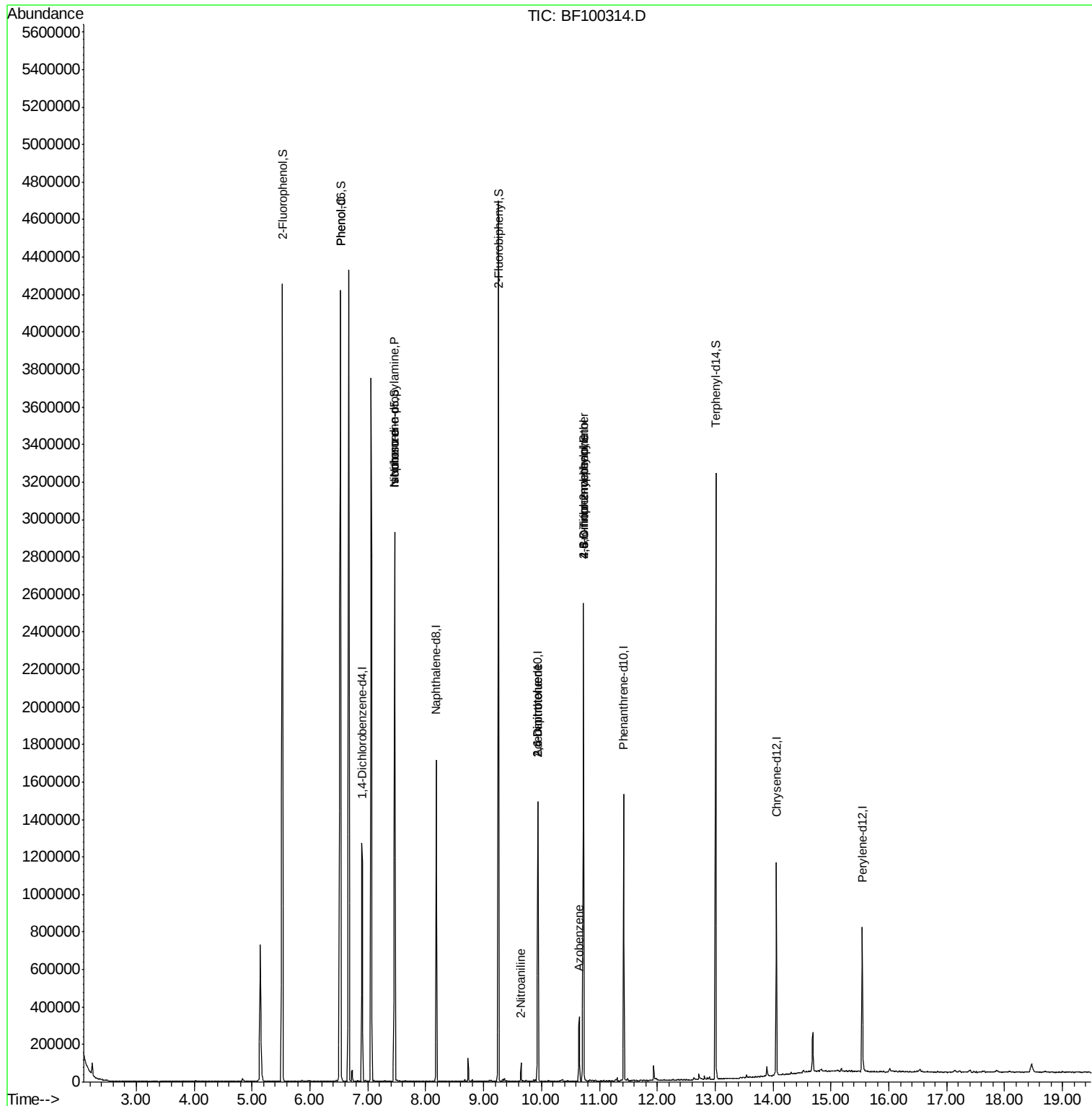
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1394001	117.88	ng	0.02
7) Phenol-d6	6.53	99	1733997	118.91	ng	0.00
23) Nitrobenzene-d5	7.46	82	1051361	95.55	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	344576	111.11	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1554835	77.79	ng	0.00
78) Terphenyl-d14	13.01	244	1084153	67.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	33726	2.203	ng	# 34
19) n-Nitroso-di-n-propylamine	7.46	70	142627	14.104	ng	# 83
25) Isophorone	7.46	82	1051347	45.470	ng	# 64
47) 2-Nitroaniline	9.65	65	350	2.842	ng	# 1
50) 2,6-Dinitrotoluene	9.93	165	39596	8.608	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	39596	6.824	ng	# 23
62) Azobenzene	10.65	77	56966	2.601	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	800	8.842	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	21941	4.274	ng	# 1

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

```
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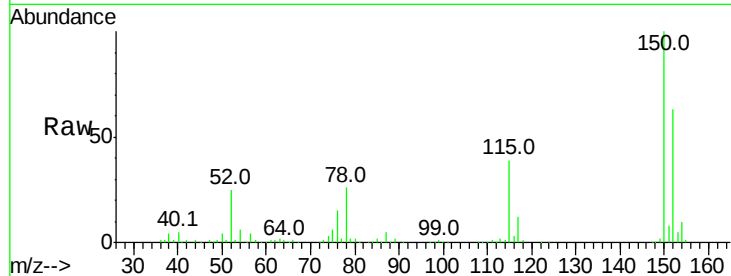




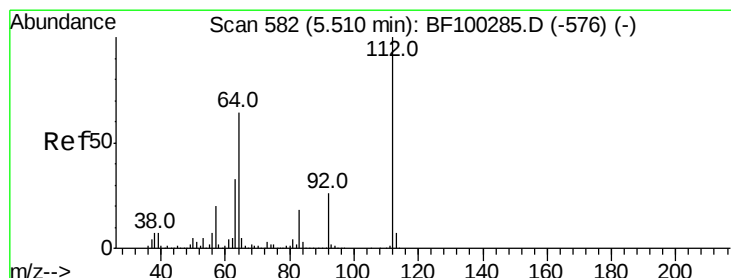
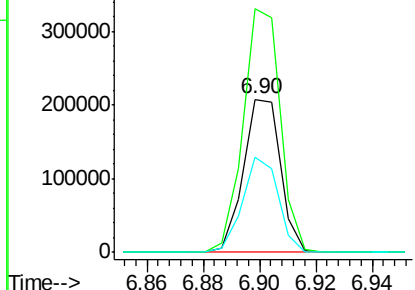
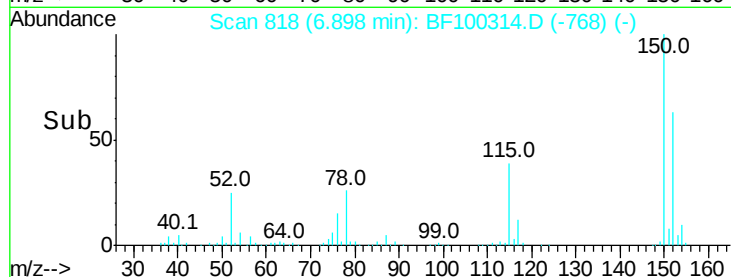
#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	62.1	50.1	75.1



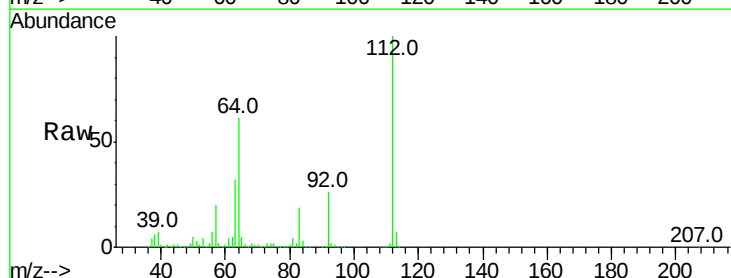
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



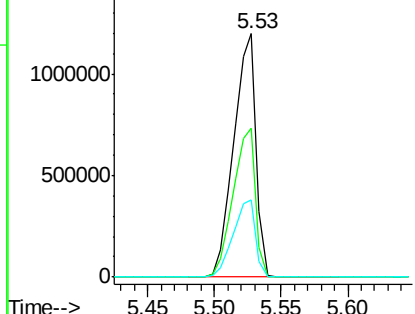
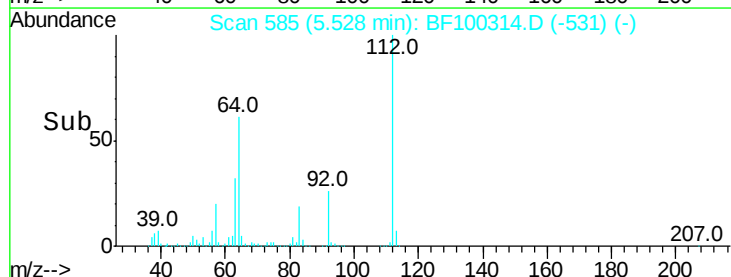
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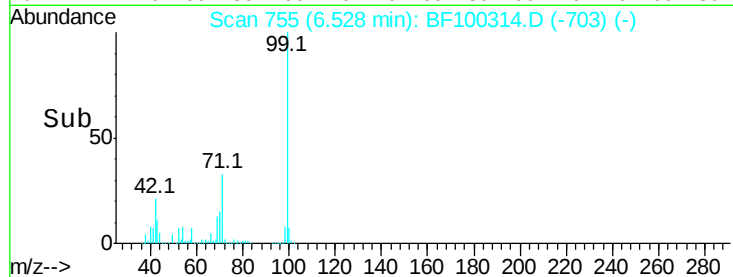
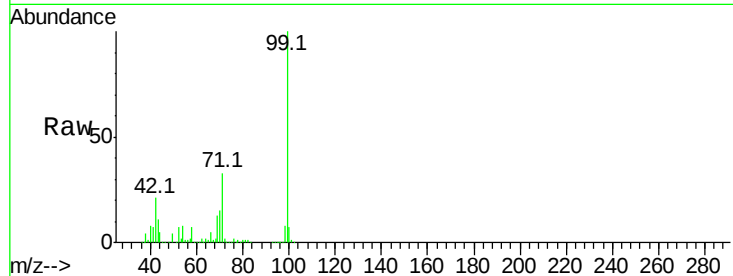
2-Fluorophenol
 Concen: 117.885 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.02 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	47.9	71.9
63	31.6	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: 118.914 ng

RT: 6.53 min Scan# 755

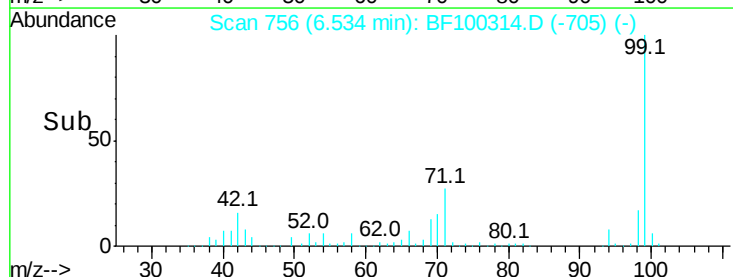
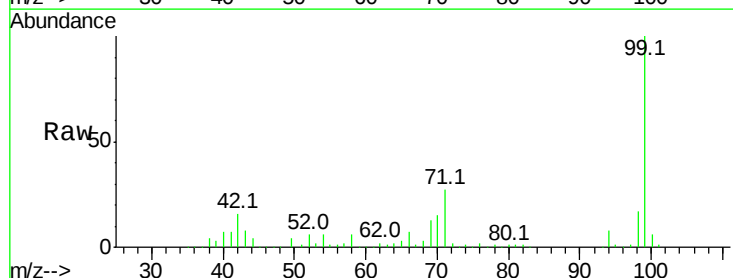
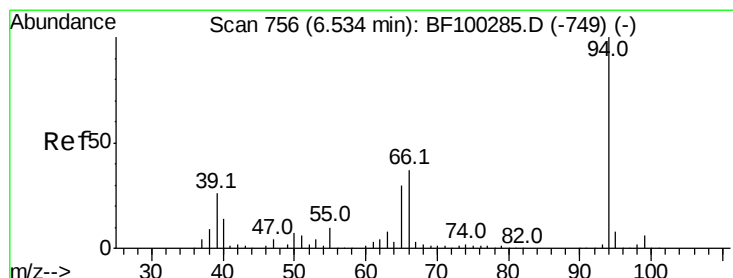
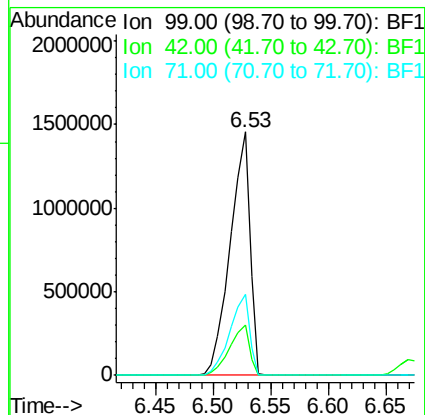
Delta R.T. 0.01 min

Lab File: BF100314.D

Acq: 9 Nov 2017 1:27

Tot Ion: 99 Resp: 1733997

Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	33.4	25.4	38.0



#10

Phenol

Concen: 2.203 ng

RT: 6.53 min Scan# 756

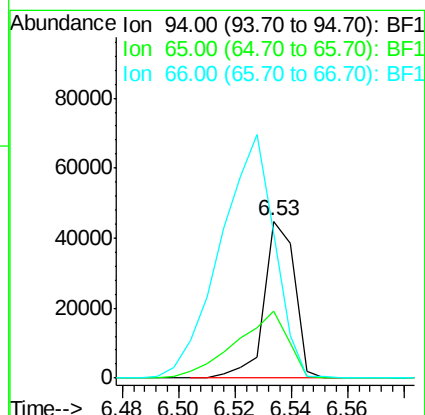
Delta R.T. 0.00 min

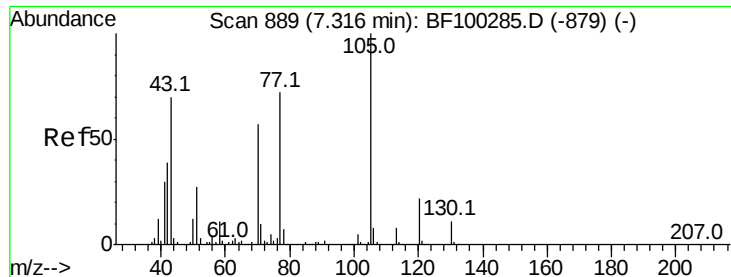
Lab File: BF100314.D

Acq: 9 Nov 2017 1:27

Tgt Ion: 94 Resp: 33726

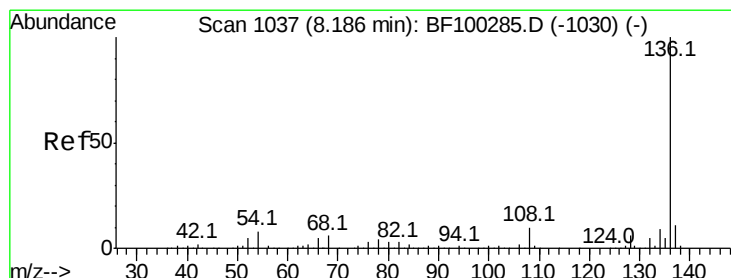
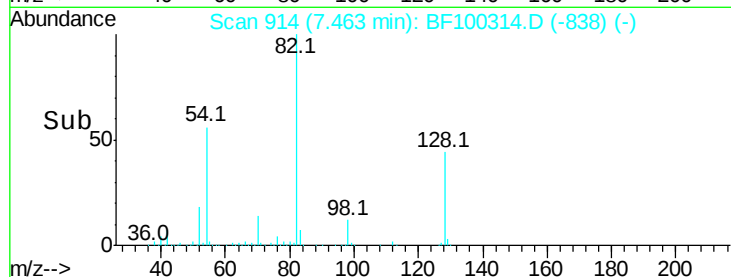
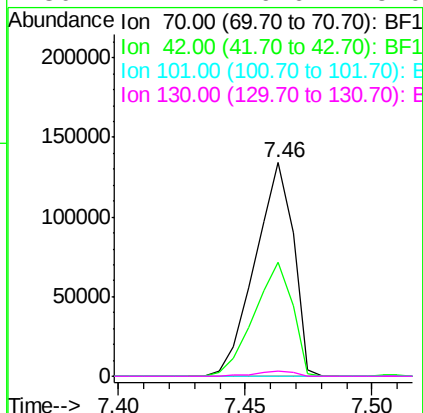
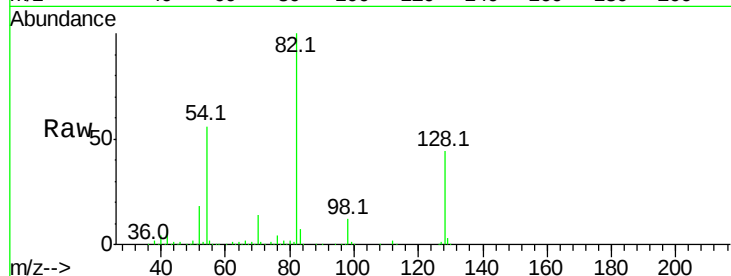
Ion	Ratio	Lower	Upper
94	100		
65	43.0	7.9	47.9
66	92.6	16.2	56.2





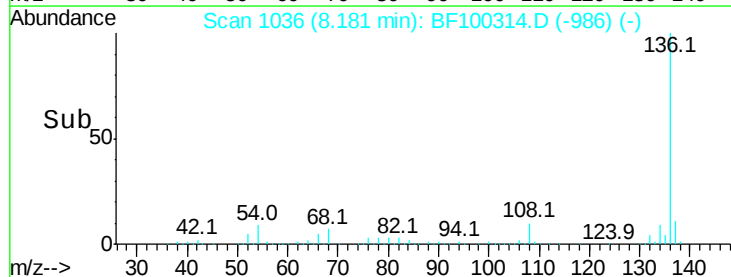
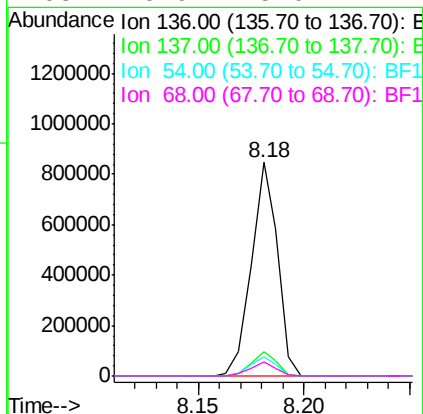
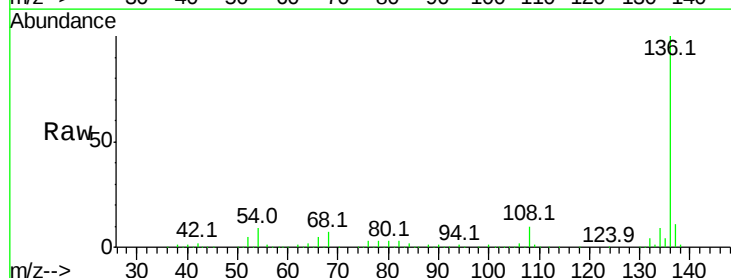
#19
n-Nitroso-di-n-propylamine
Concen: 14.104 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF100314.D
Acq: 9 Nov 2017 1:27

Tot Ion: 70 Resp: 142627
Ion Ratio Lower Upper
70 100
42 53.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100314.D
Acq: 9 Nov 2017 1:27

Tgt Ion: 136 Resp: 727445
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.2 6.6 9.8
68 6.9 5.0 7.4

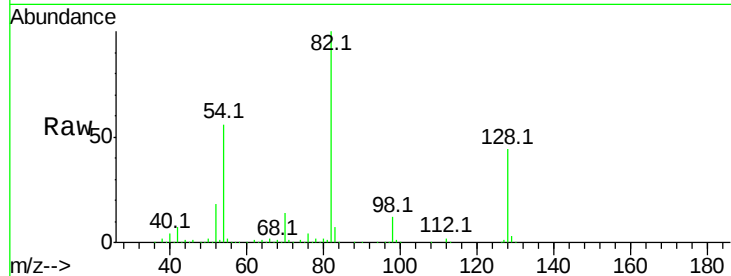




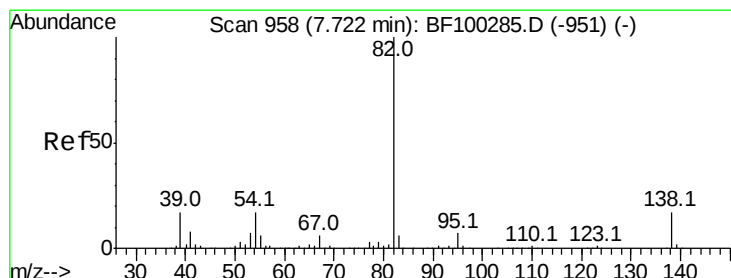
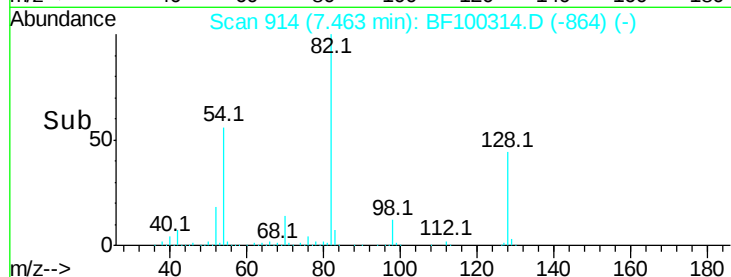
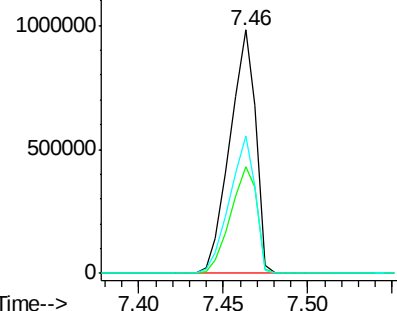
#23
 Nitrobenzene-d5
 Concen: 95.552 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tot Ion: 82 Resp: 1051361

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	56.3	41.4	62.2



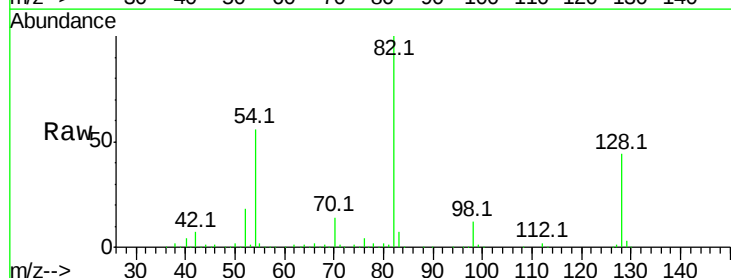
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



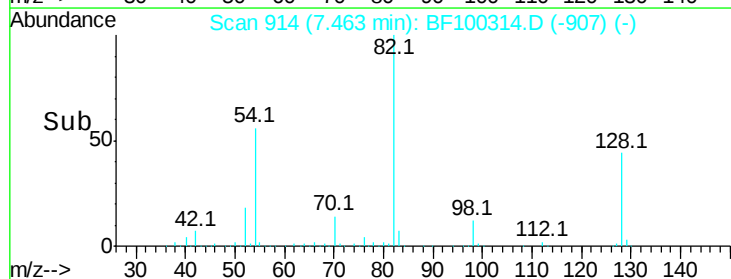
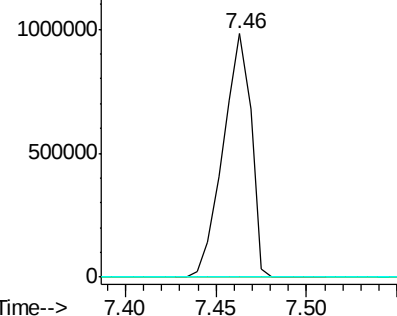
#25
 Isophorone
 Concen: 45.470 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.26 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

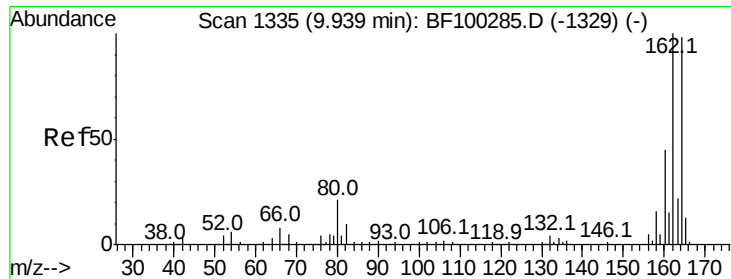
Tgt Ion: 82 Resp: 1051347

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: BF100314.D

Acq: 9 Nov 2017 1:27

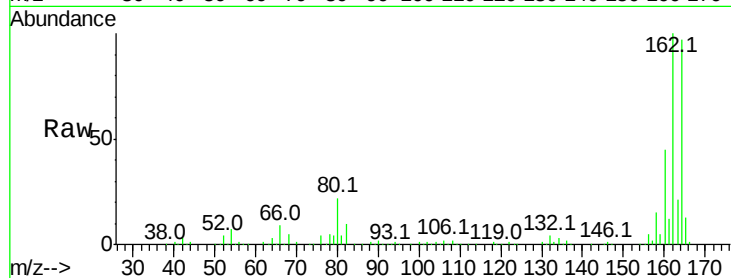
Tot Ion:164 Resp: 304345

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

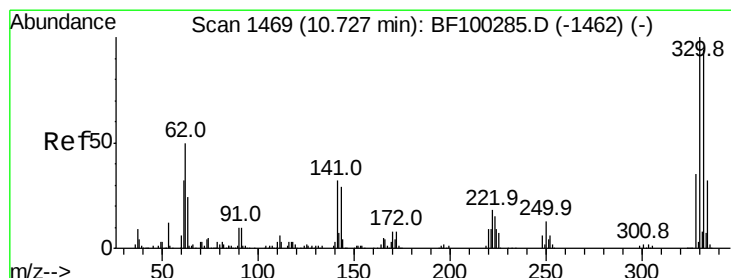
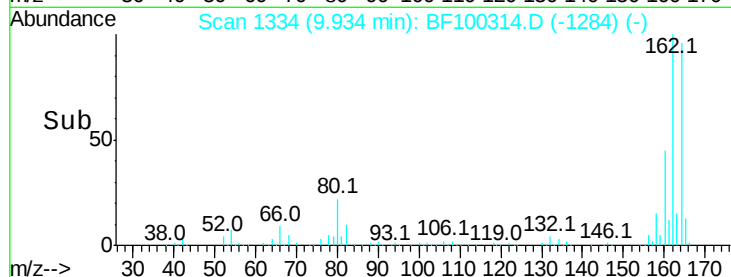
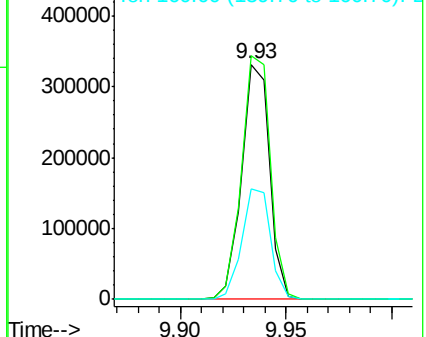
160 47.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 111.108 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BF100314.D

Acq: 9 Nov 2017 1:27

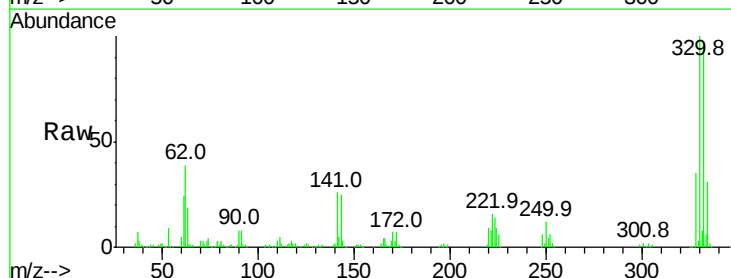
Tgt Ion:330 Resp: 344576

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

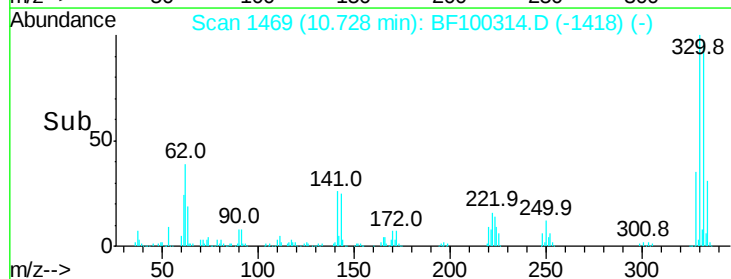
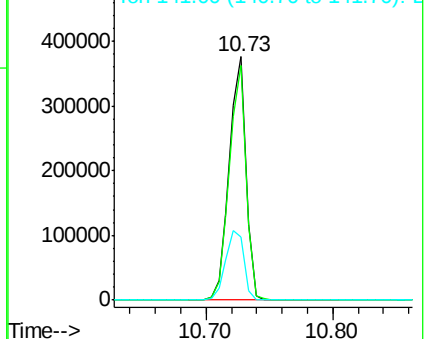
141 31.2 29.9 44.9

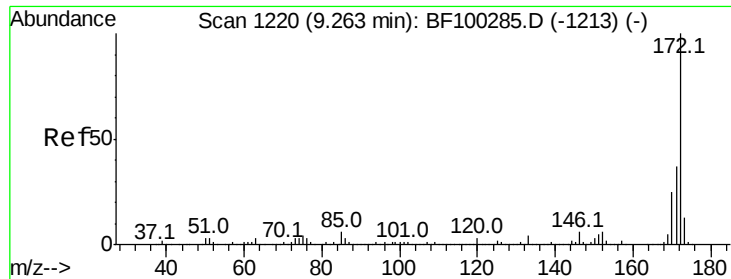


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

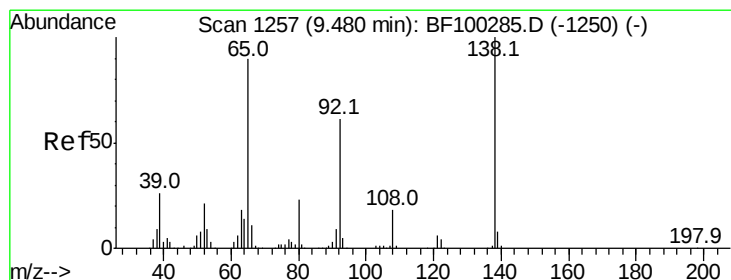
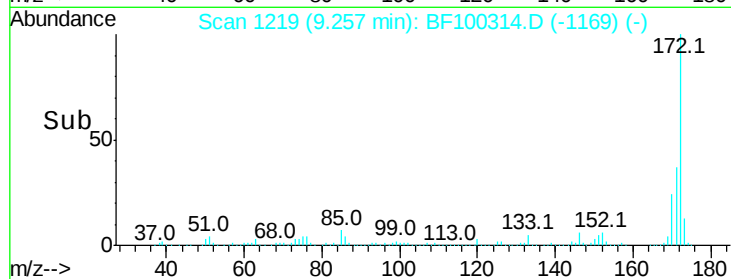
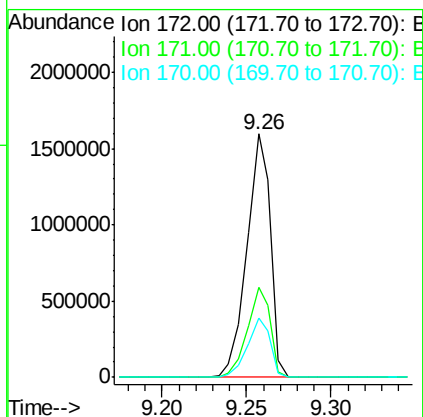
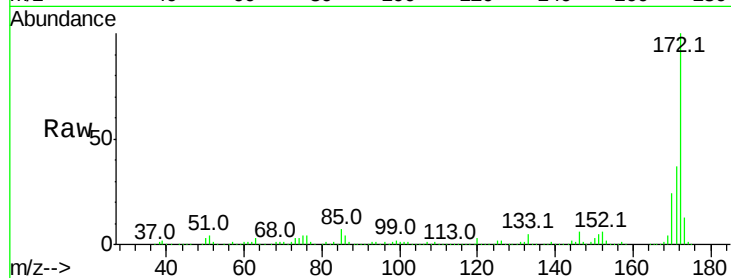




#44
 2-Fluorobiphenyl
 Concen: 77.792 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tot Ion:172 Resp: 1554835

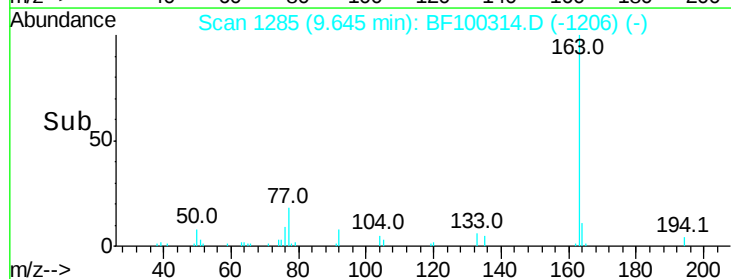
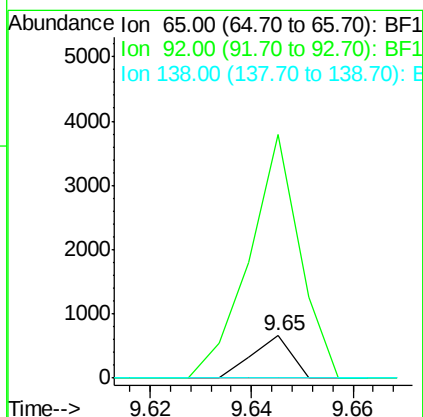
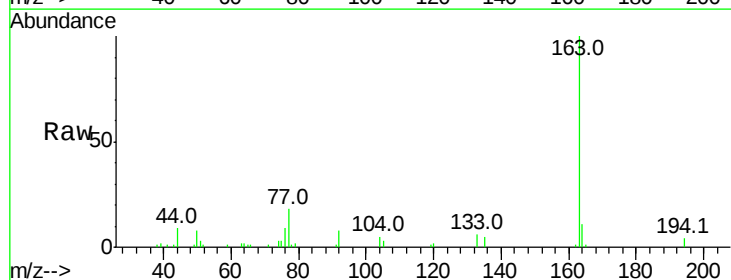
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.4	19.6	29.4

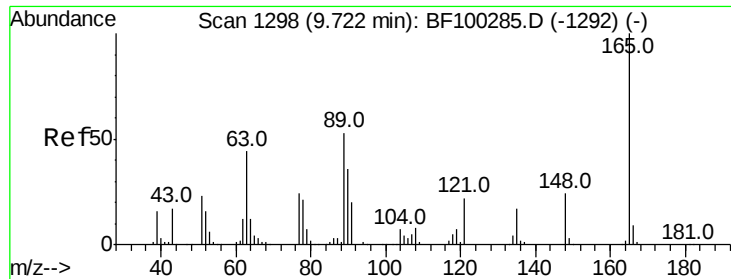


#47
 2-Nitroaniline
 Concen: 2.842 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. 0.17 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tgt Ion: 65 Resp: 350

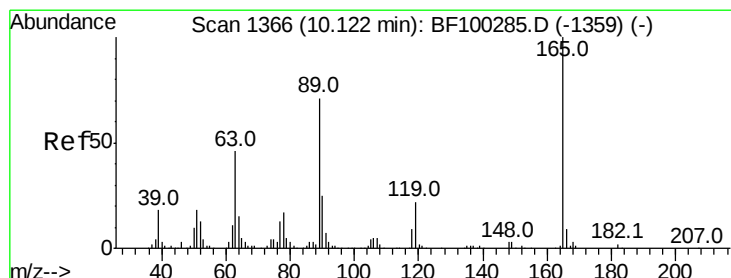
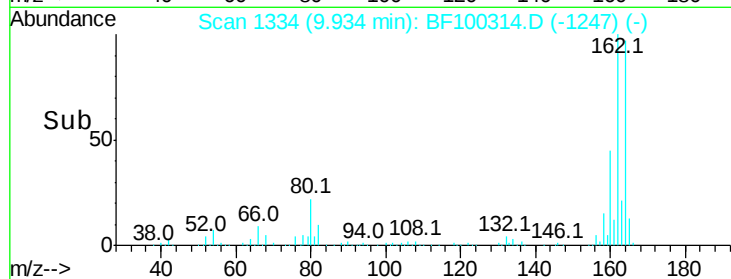
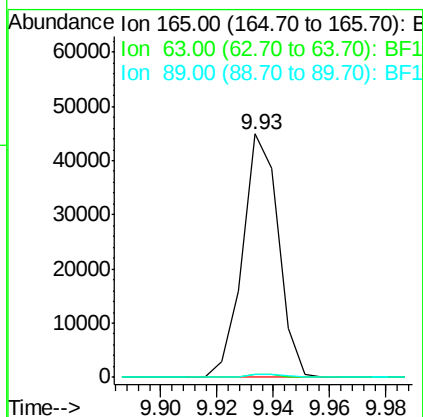
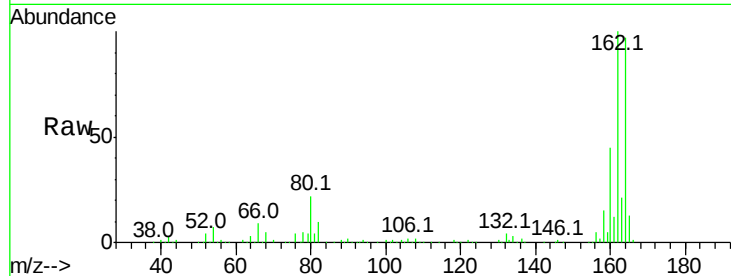
Ion	Ratio	Lower	Upper
65	100		
92	574.1	55.8	83.6#
138	0.0	91.2	136.8#





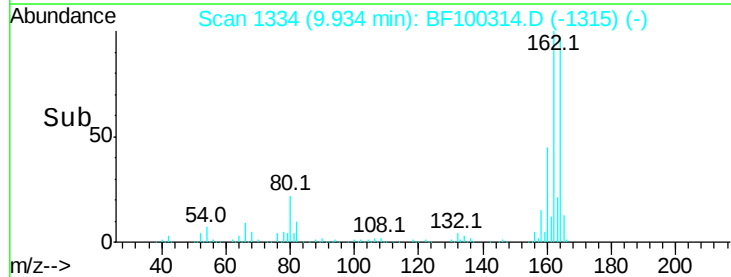
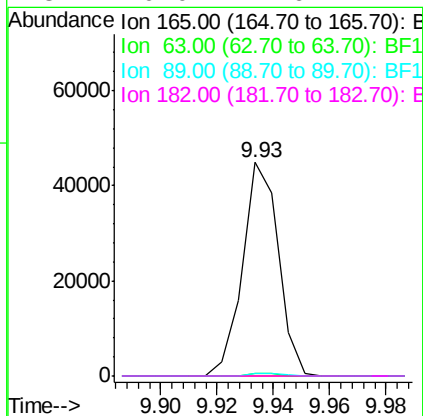
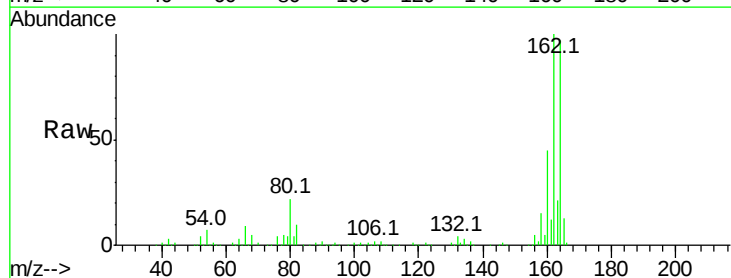
#50
 2,6-Dinitrotoluene
 Concen: 8.608 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.21 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

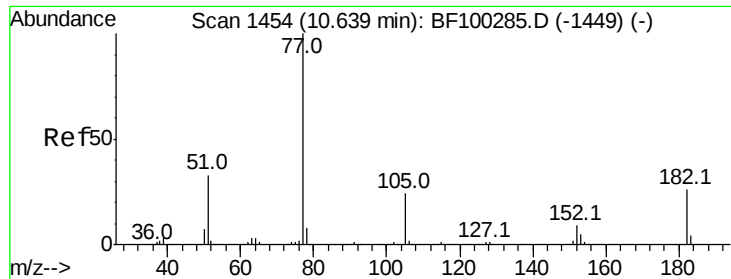
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.824 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 2.601 ng

RT: 10.65 min Scan# 1456

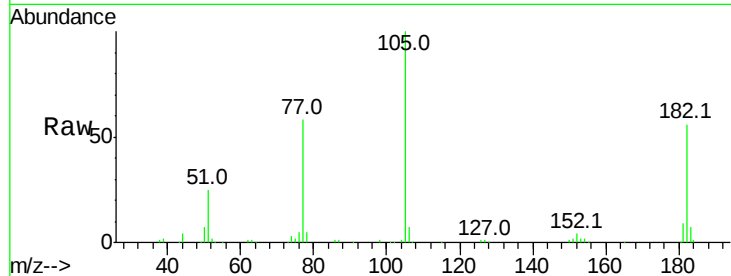
Delta R.T. 0.01 min

Lab File: BF100314.D

Acq: 9 Nov 2017 1:27

Tot Ion: 77 Resp: 56966

Ion	Ratio	Lower	Upper
77	100		
182	95.8	1.7	41.7#
105	172.1	3.0	43.0#
51	42.2	9.9	49.9

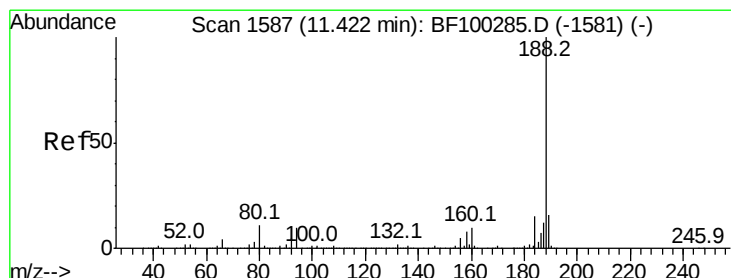
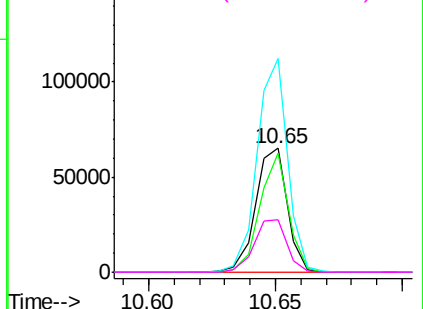
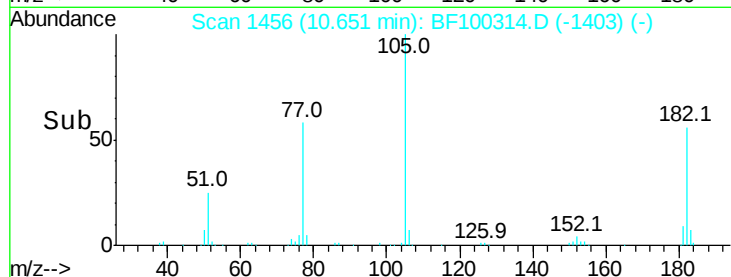


Abundance Ion 77.00 (76.70 to 77.70): BF1

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

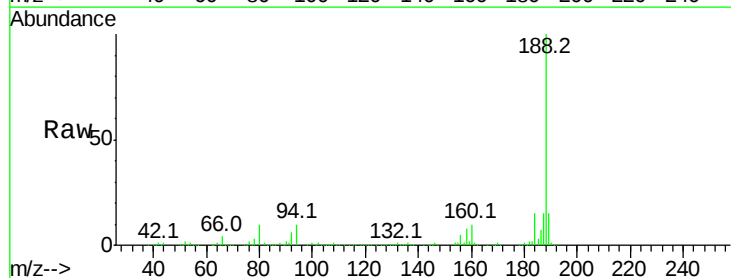
Delta R.T. 0.00 min

Lab File: BF100314.D

Acq: 9 Nov 2017 1:27

Tgt Ion: 188 Resp: 478923

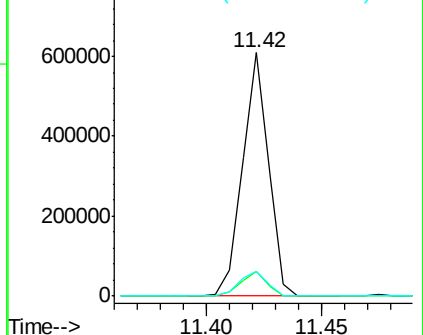
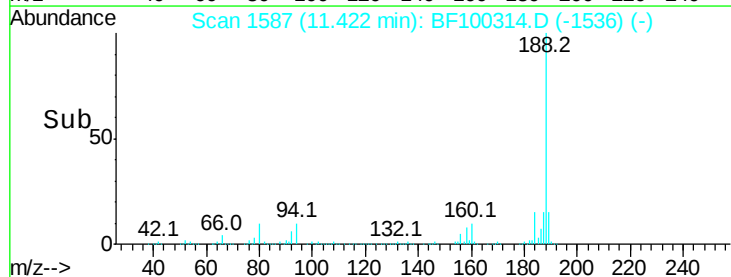
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.4	9.2	13.8

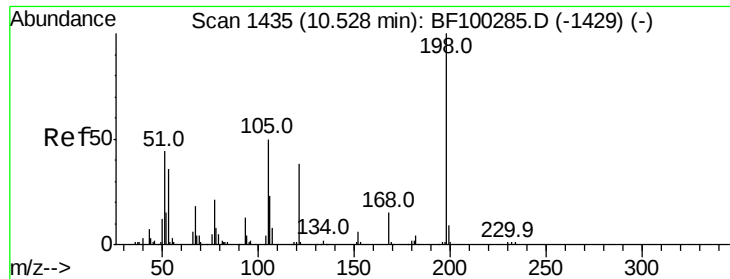


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

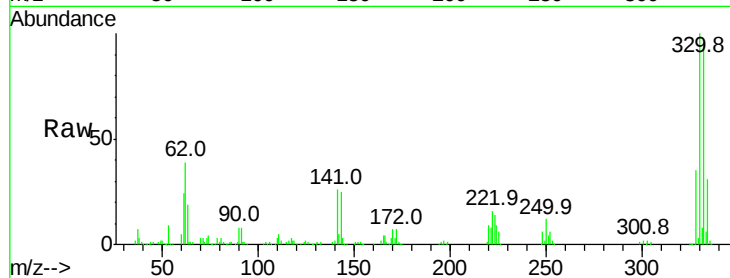
Ion 80.00 (79.70 to 80.70): BF1



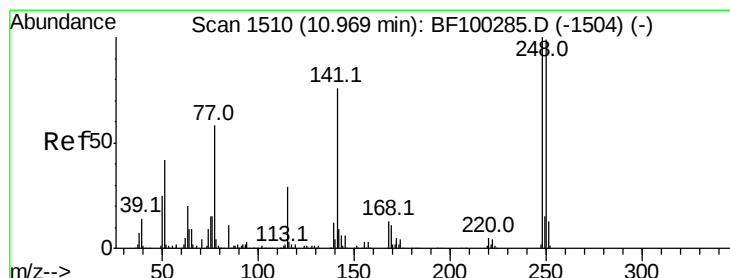
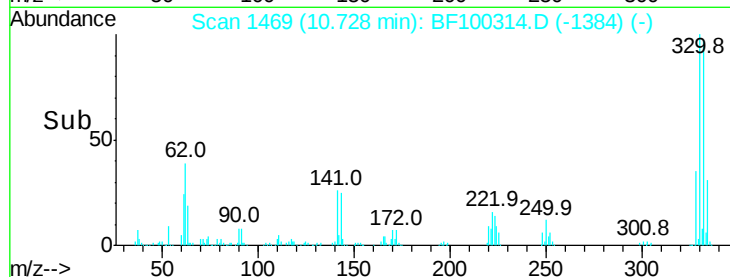
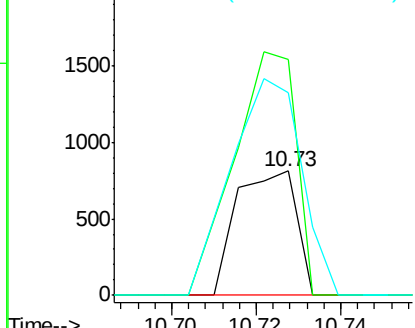


#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.842 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.20 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tot Ion	Ratio	Lower	Upper
198	100		
51	189.7	37.7	77.7#
105	163.1	36.3	76.3#

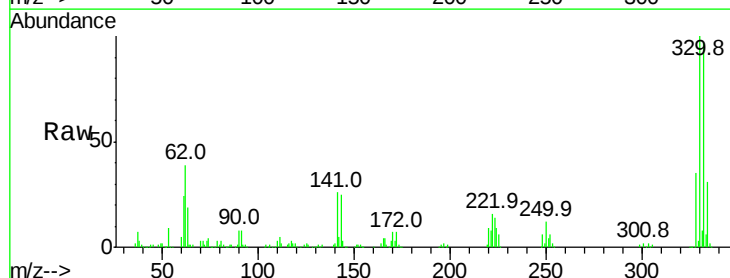


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

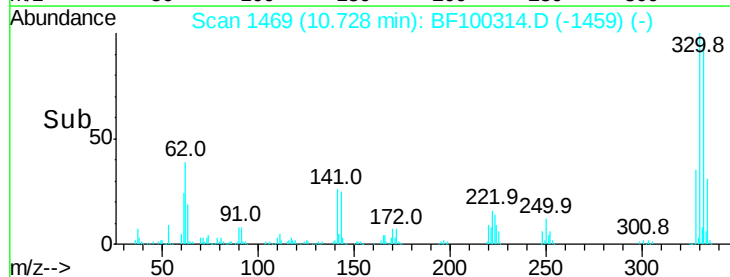
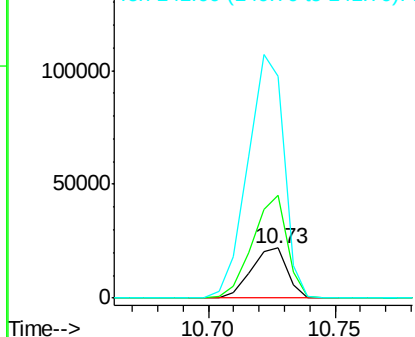


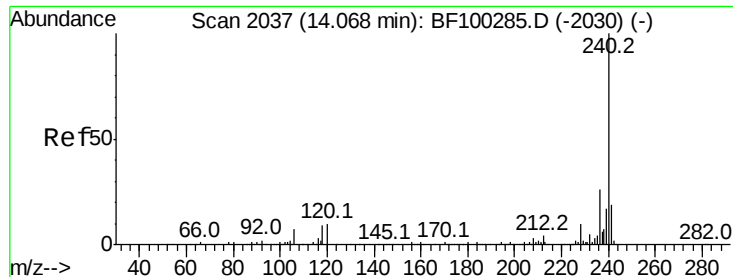
#66
 4-Bromophenyl-phenylether
 Concen: 4.274 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.9	76.9	115.3#
141	442.9	74.4	111.6#



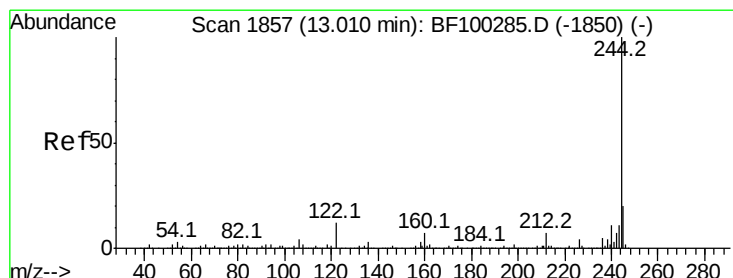
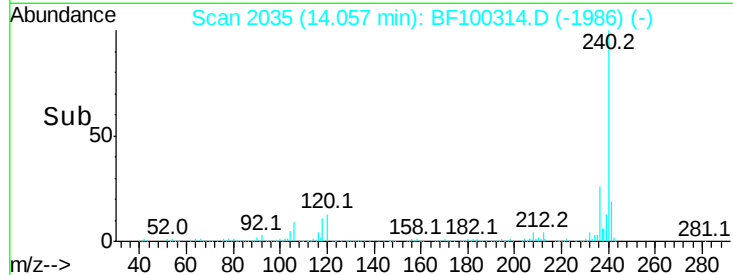
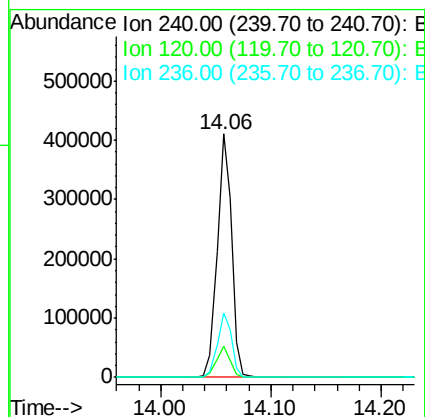
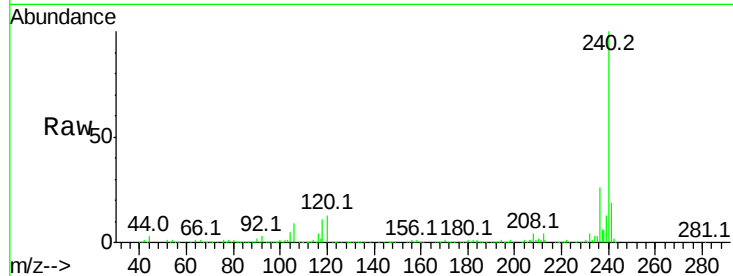
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





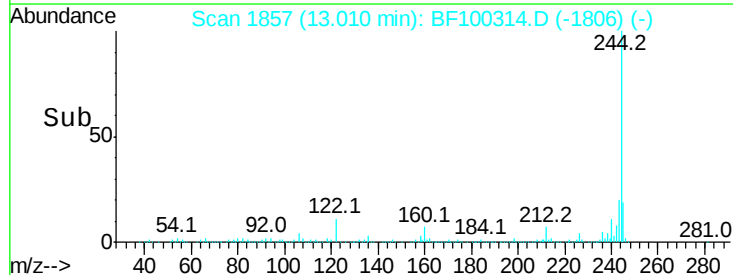
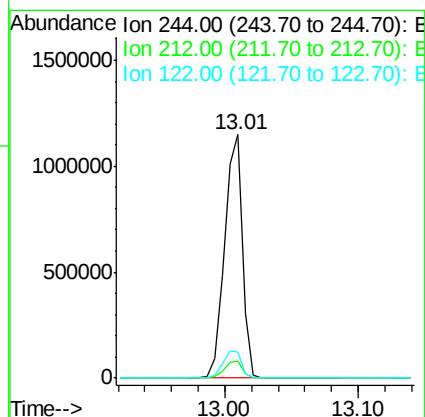
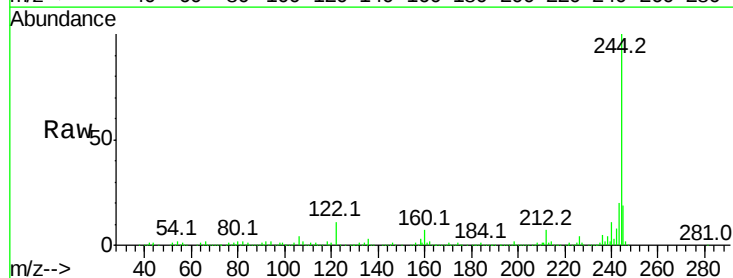
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF100314.D
Acq: 9 Nov 2017 1:27

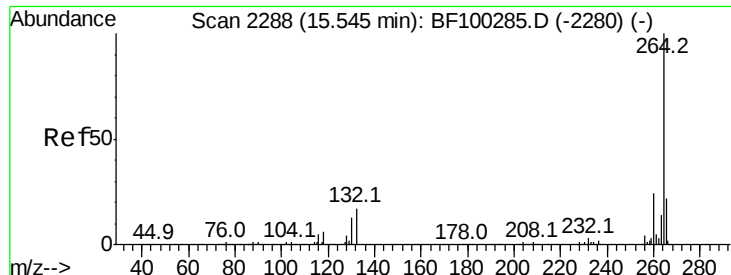
Tot Ion:240 Resp: 367614
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 26.5 20.7 31.1



#78
Terphenyl-d14
Concen: 67.763 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BF100314.D
Acq: 9 Nov 2017 1:27

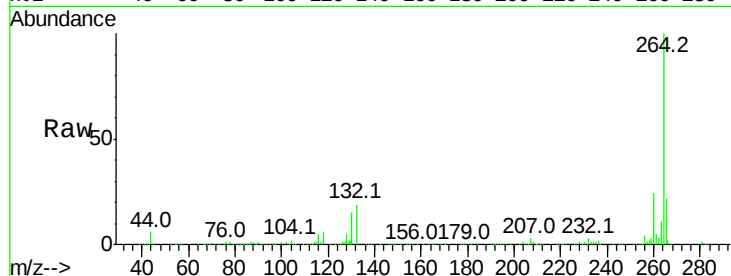
Tgt Ion:244 Resp: 1084153
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 10.6 11.0 16.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF100314.D
 Acq: 9 Nov 2017 1:27

Tot Ion:	264	Resp:	351195
Ion	Ratio	Lower	Upper
264	100		
260	24.2	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

