

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103291.D
 Acq On : 28 Feb 2018 4:40
 Operator : SJ/JU
 Sample : J1683-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 05:50:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

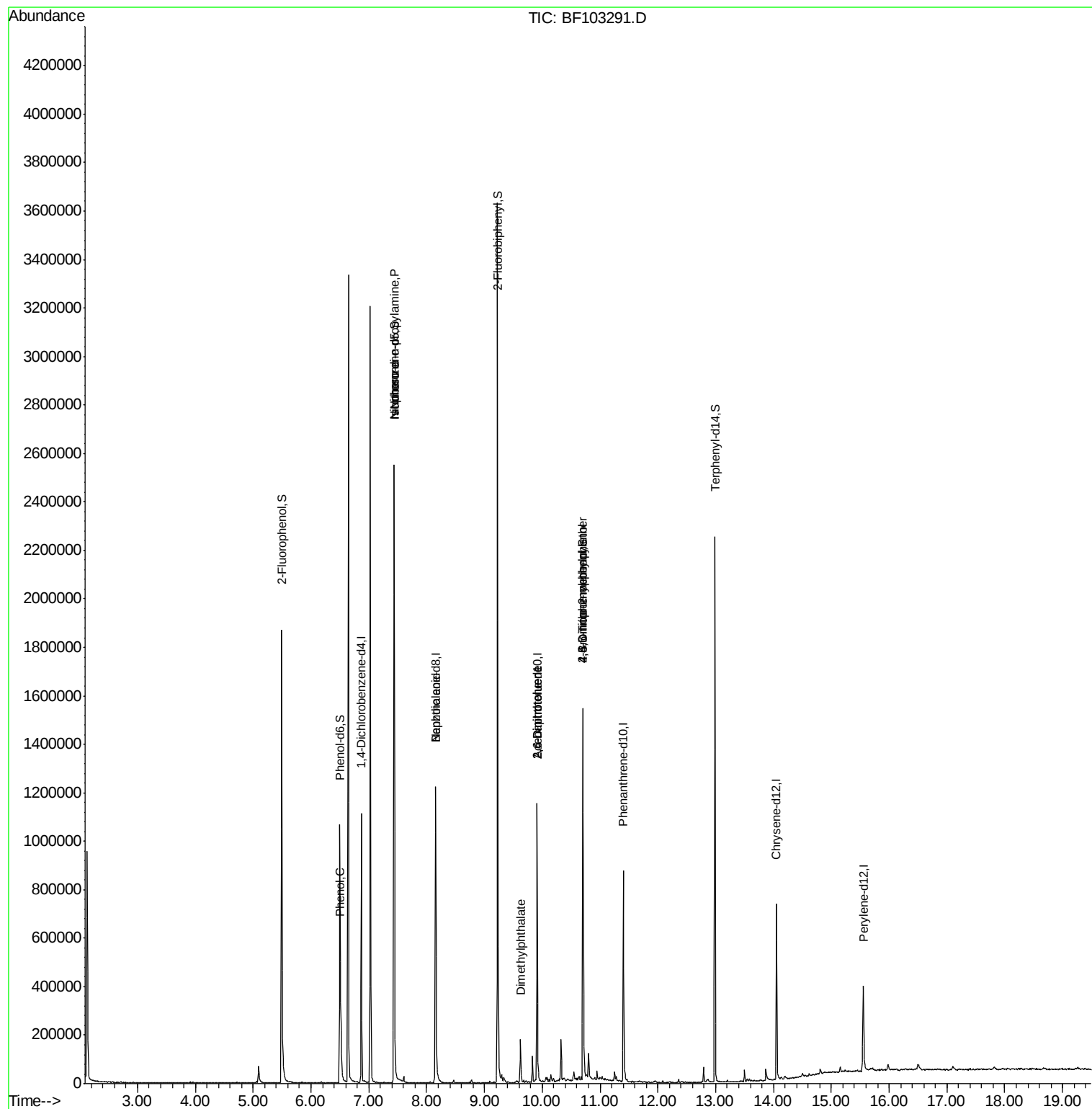
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	152635	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	609143	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	229867	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	308819	20.00	ng	0.00
75) Chrysene-d12	14.05	240	238411	20.00	ng	0.00
86) Perylene-d12	15.56	264	173305	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	526429	52.16	ng	0.00
7) Phenol-d6	6.50	99	401884	32.54	ng	0.00
23) Nitrobenzene-d5	7.44	82	855743	80.23	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	156127	80.24	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1177134	89.25	ng	0.00
78) Terphenyl-d14	12.99	244	724977	73.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1077	Below Cal	#	1
10) Phenol	6.52	94	44898	3.13	ng	90
19) n-Nitroso-di-n-propylamine	7.44	70	115368	15.01	ng	# 85
25) Isophorone	7.44	82	855739	40.73	ng	# 64
32) Benzoic acid	8.15	122	116	6.93	ng	# 1
49) Dimethylphthalate	9.62	163	70799	3.84	ng	99
50) 2,6-Dinitrotoluene	9.91	165	28469	7.36	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	28469	5.82	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	317	5.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11425	3.55	ng	# 1

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

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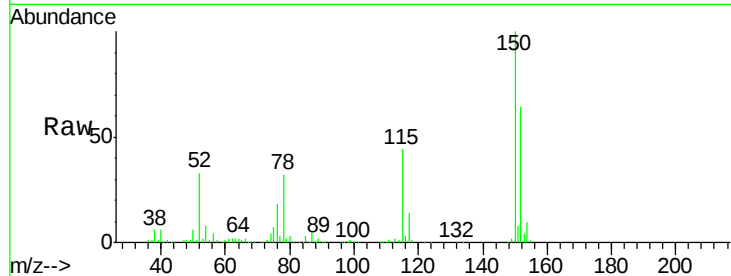


#1

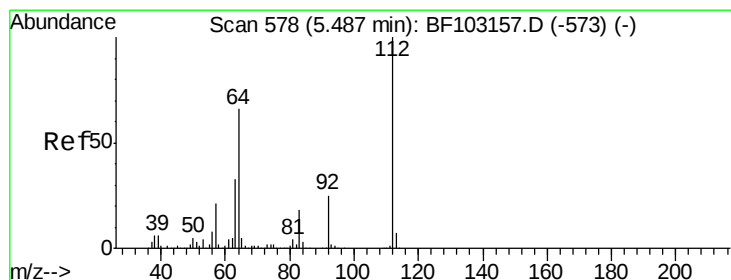
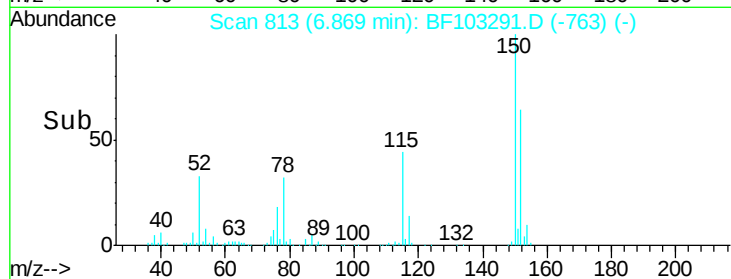
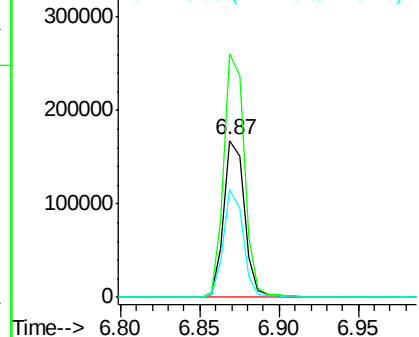
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	69.1	50.1	75.1



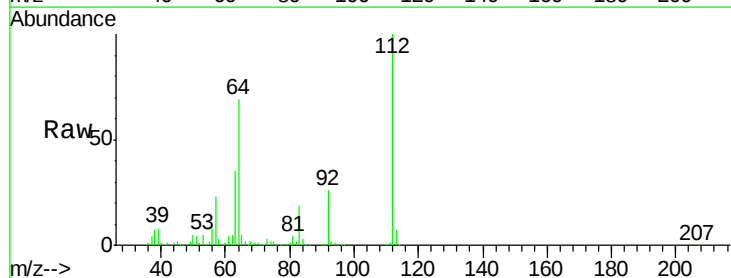
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



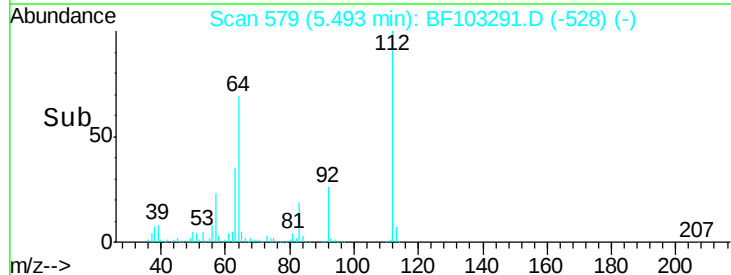
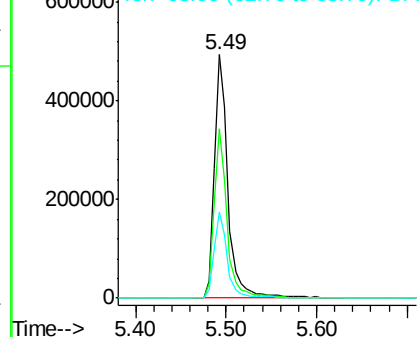
#5

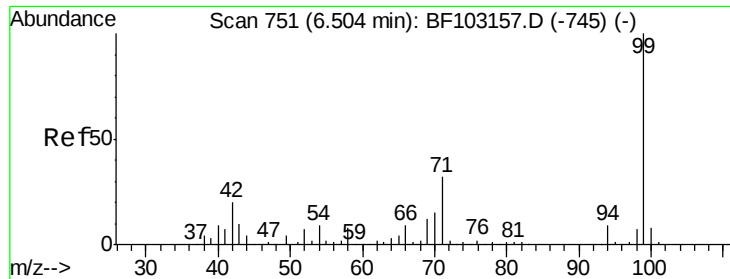
2-Fluorophenol
Concen: 52.16 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	35.3	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: 32.54 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103291.D

Acq: 28 Feb 2018 4:40

Instrument :

BNA_F

ClientSampleId :

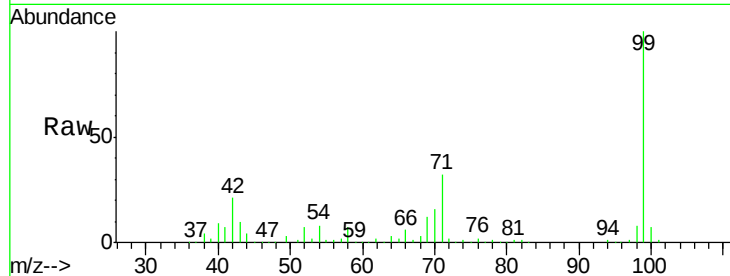
Tot Ion: 99 Resp: 401884

Ion Ratio Lower Upper

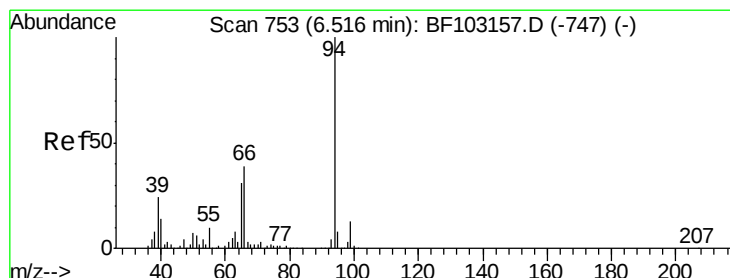
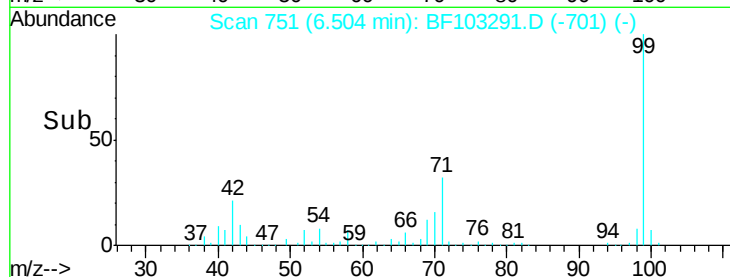
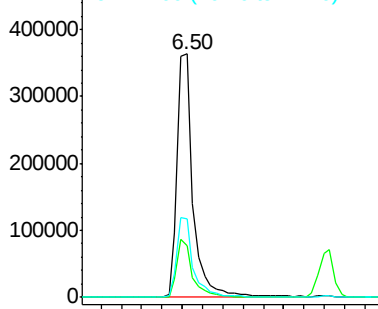
99 100

42 21.4 14.5 21.7

71 32.1 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



#10

Phenol

Concen: 3.13 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103291.D

Acq: 28 Feb 2018 4:40

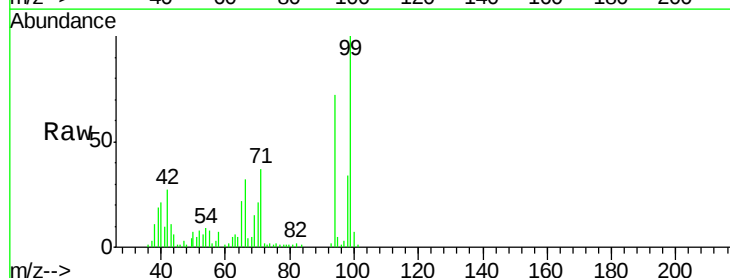
Tgt Ion: 94 Resp: 44898

Ion Ratio Lower Upper

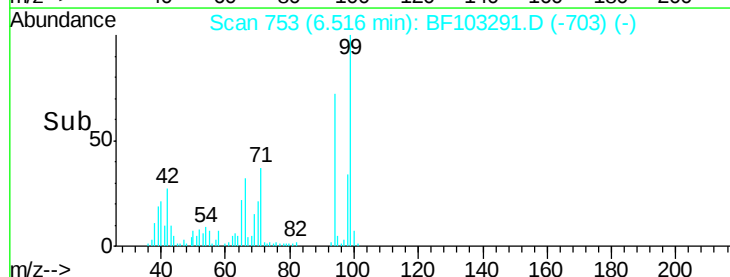
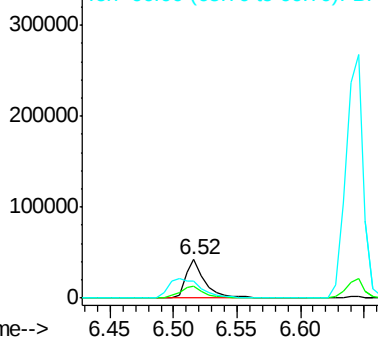
94 100

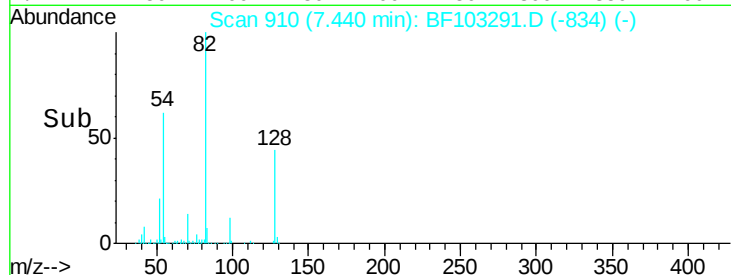
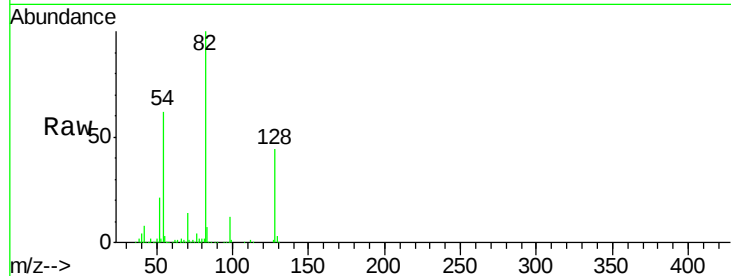
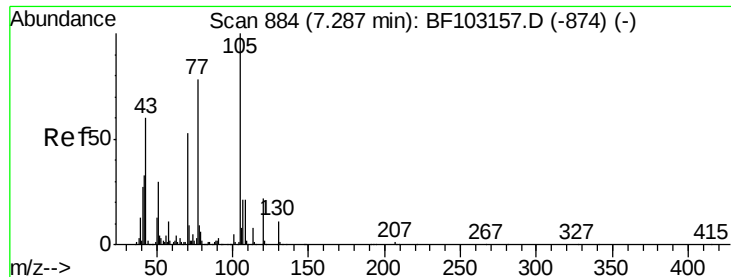
65 30.6 7.9 47.9

66 44.1 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

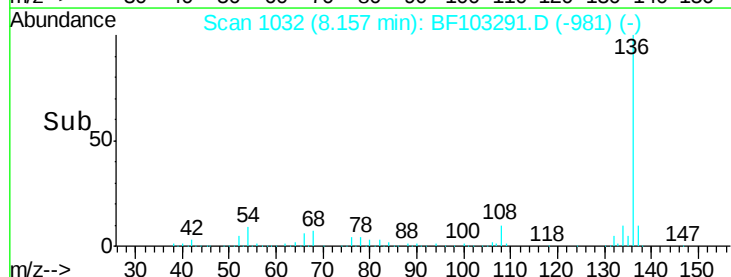
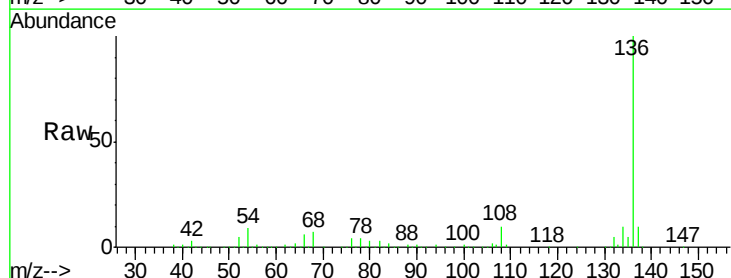
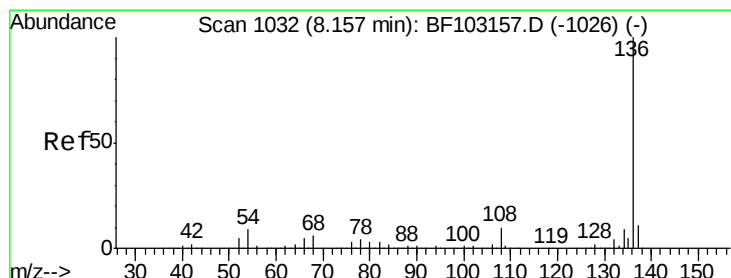
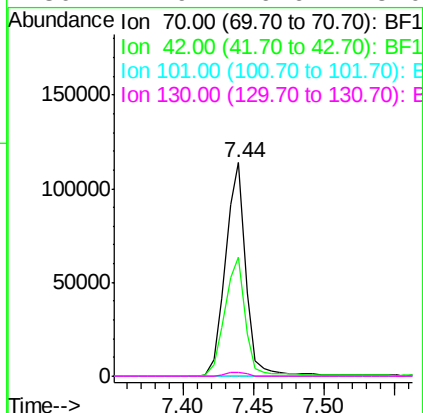




#19
n-Nitroso-di-n-propylamine
Concen: 15.01 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

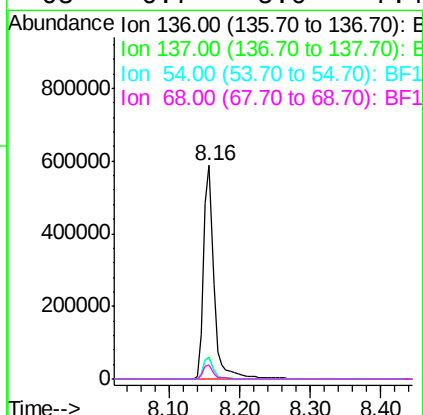
Instrument :
BNA_F
ClientSampleId :

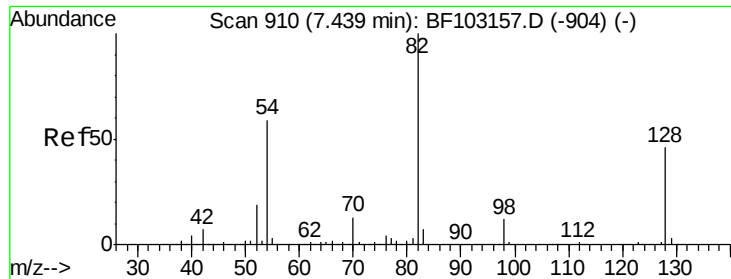
Tot Ion: 70 Resp: 115368
Ion Ratio Lower Upper
70 100
42 55.8 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion: 136 Resp: 609143
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 9.4 6.6 9.8
68 6.7 5.0 7.4

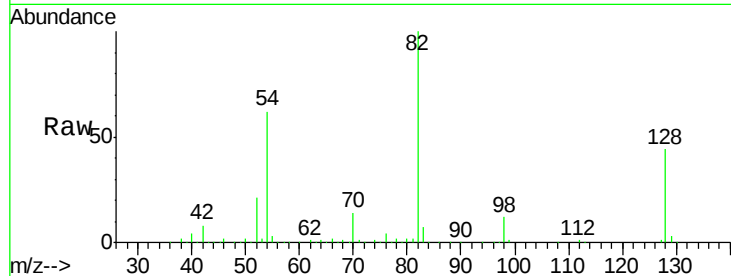




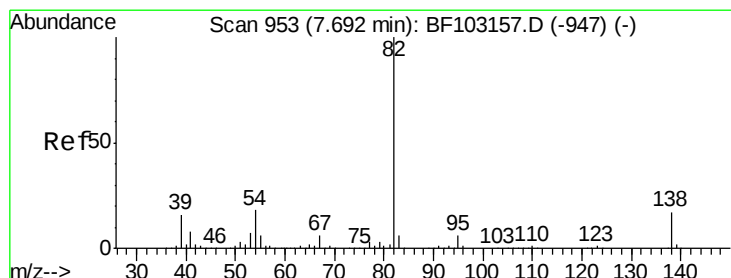
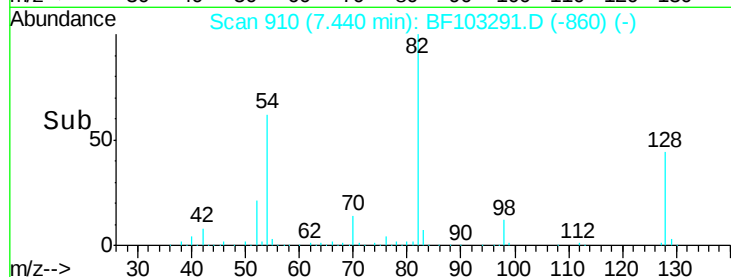
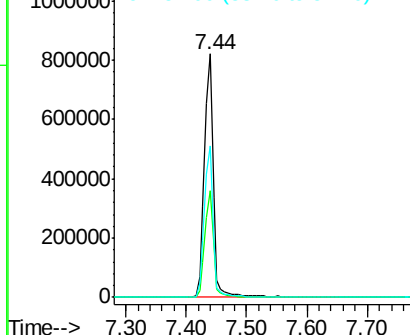
#23
Nitrobenzene-d5
Concen: 80.23 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 855743
Ion Ratio Lower Upper
82 100
128 44.0 36.1 54.1
54 62.1 41.4 62.2

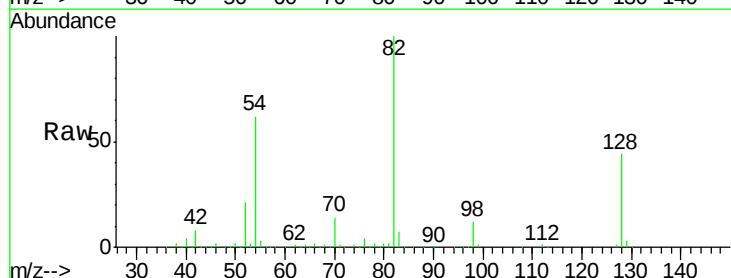


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

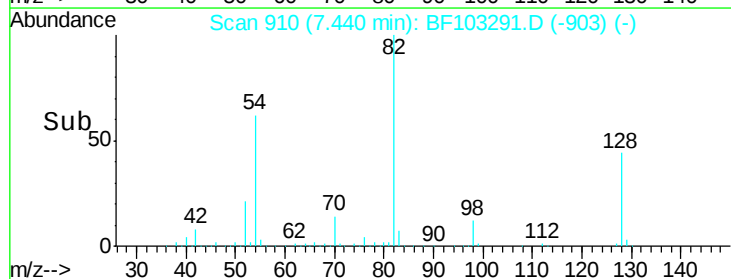
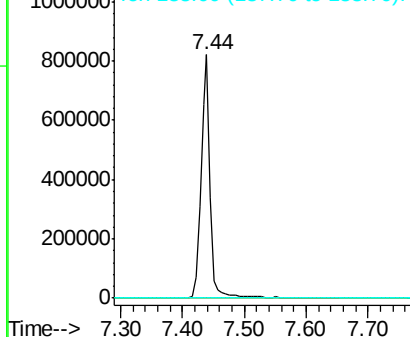


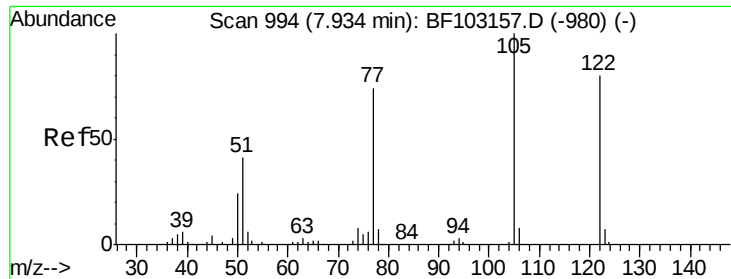
#25
Isophorone
Concen: 40.73 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion: 82 Resp: 855739
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

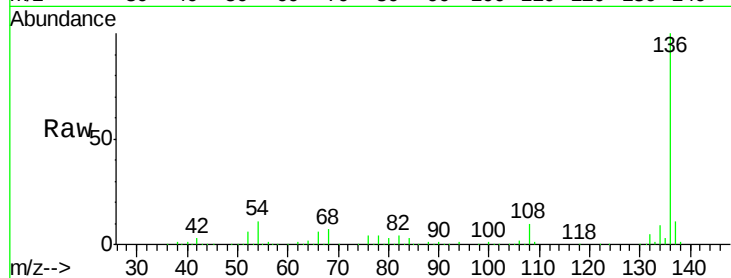




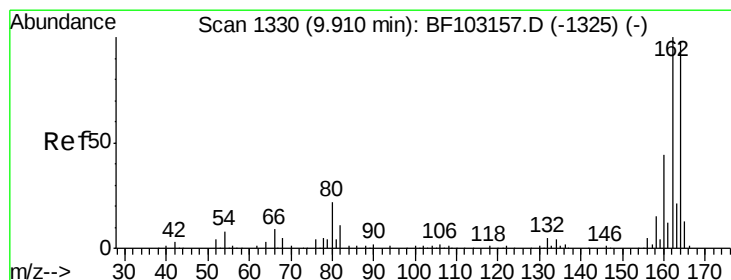
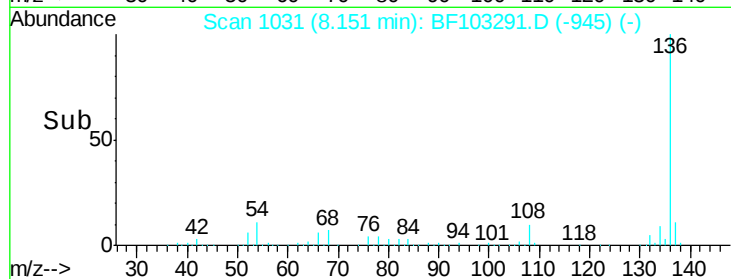
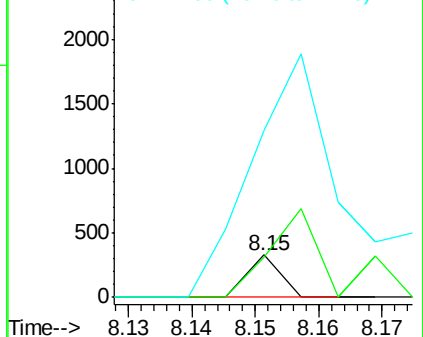
#32
Benzoic acid
Concen: 6.93 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.21 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 95.1 101.1 141.1#
77 393.6 70.7 110.7#

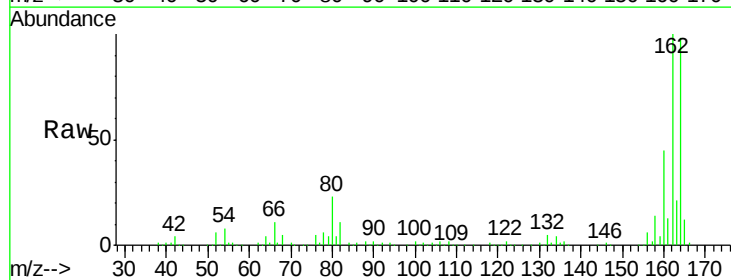


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

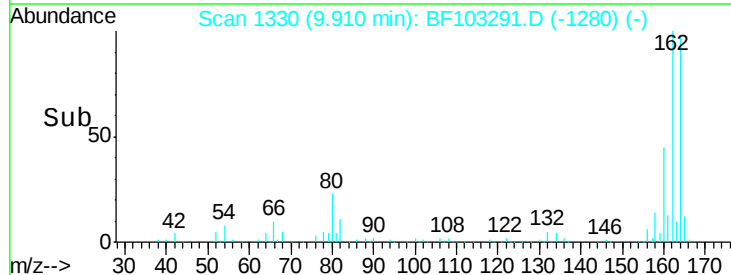
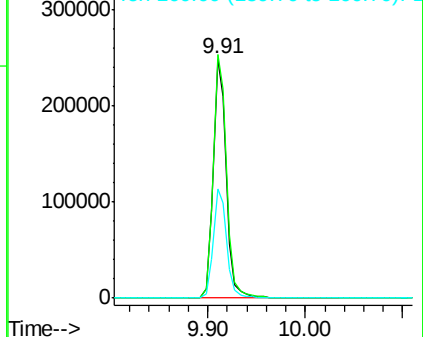


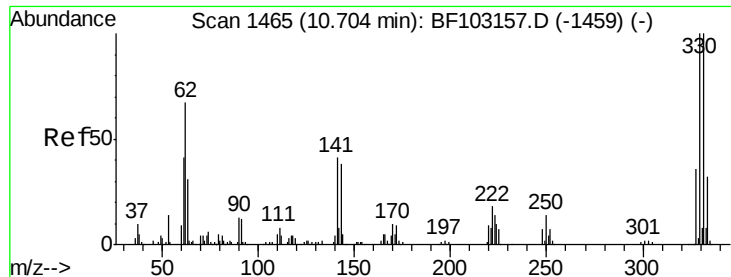
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion:164 Resp: 229867
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 46.0 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

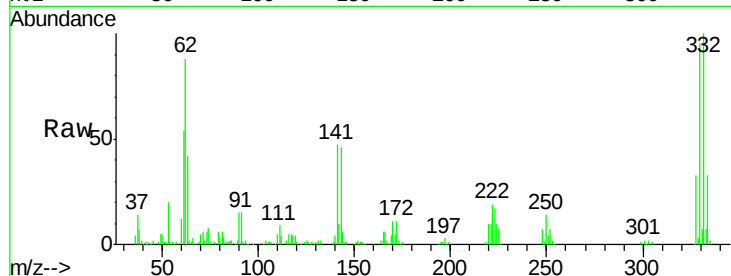




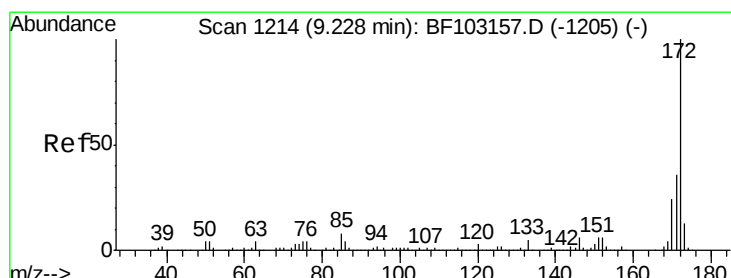
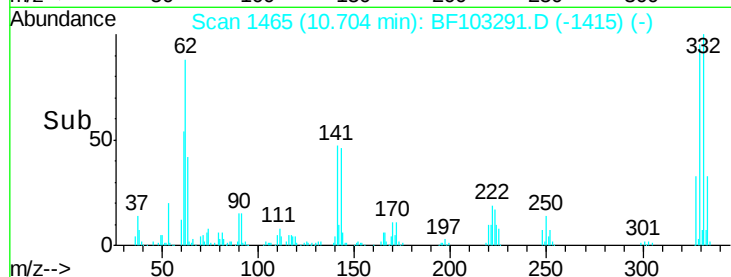
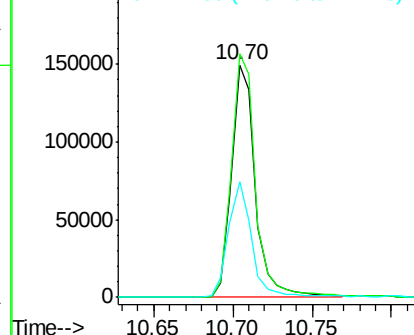
#41
 2,4,6-Tribromophenol
 Concen: 80.24 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103291.D
 Acq: 28 Feb 2018 4:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	106.9	77.0	115.6
141	49.5	29.9	44.9

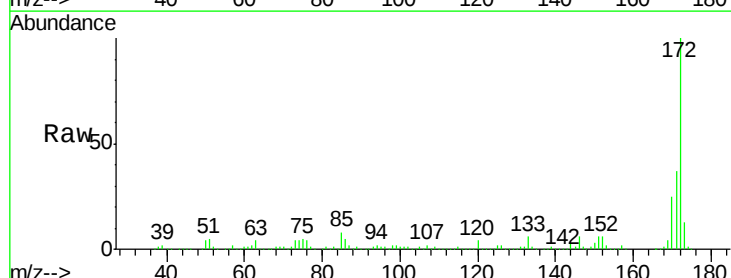


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

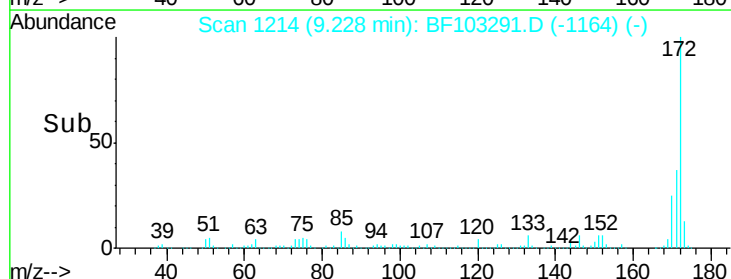
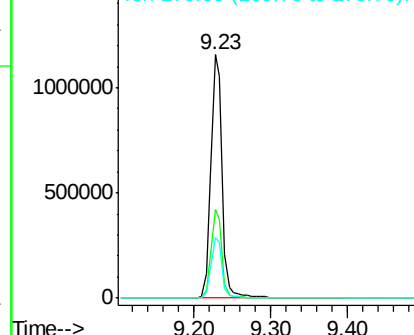


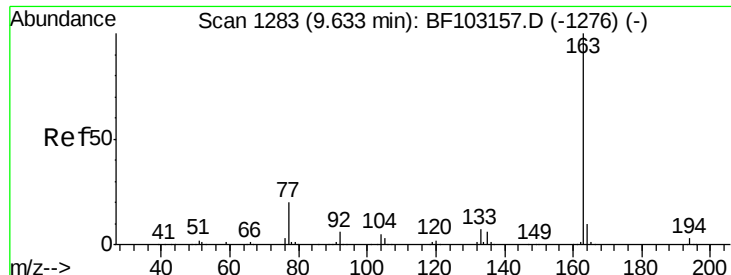
#44
 2-Fluorobiphenyl
 Concen: 89.25 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103291.D
 Acq: 28 Feb 2018 4:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	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

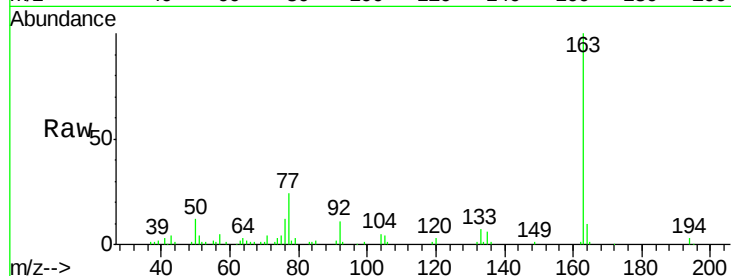




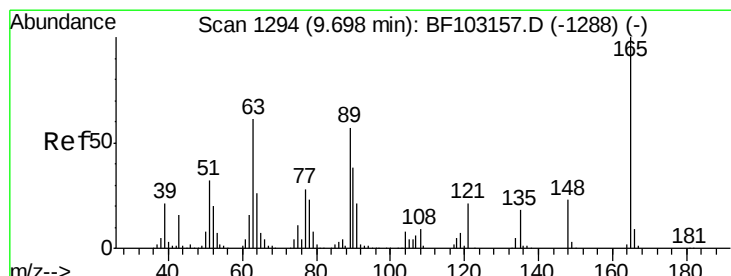
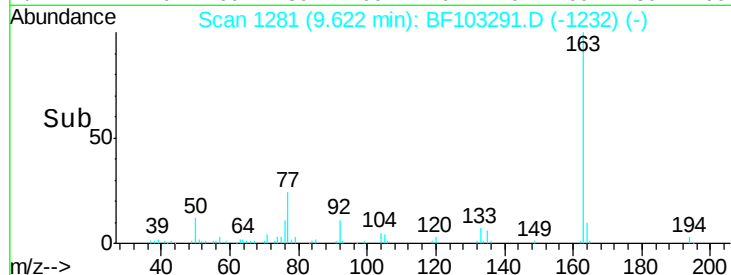
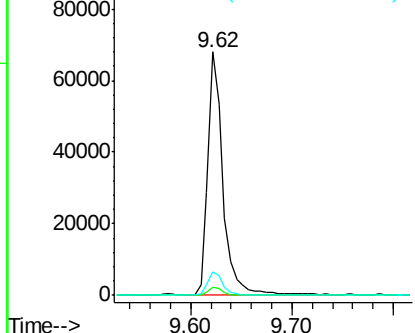
#49
Dimethylphthalate
Concen: 3.84 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 70799
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 8.2 12.2

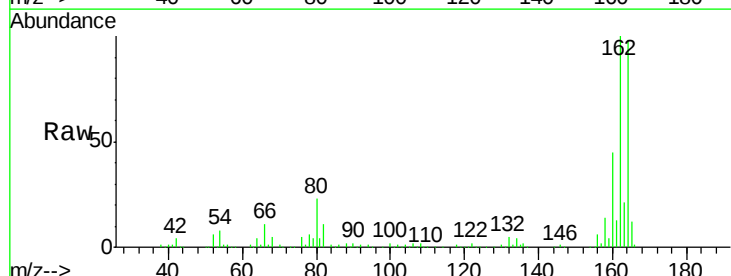


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

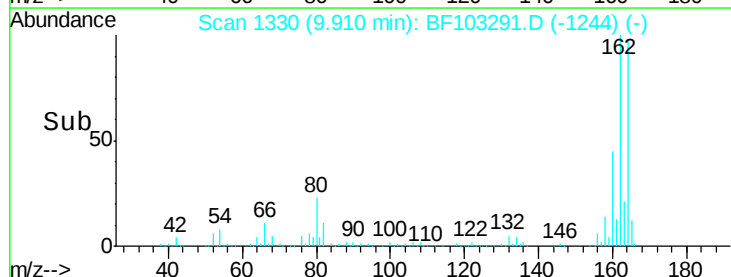
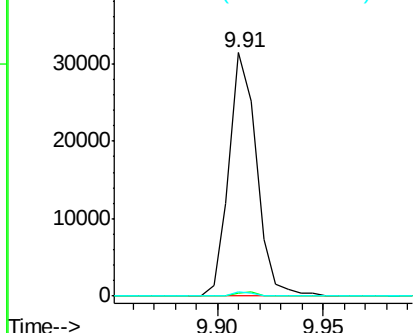


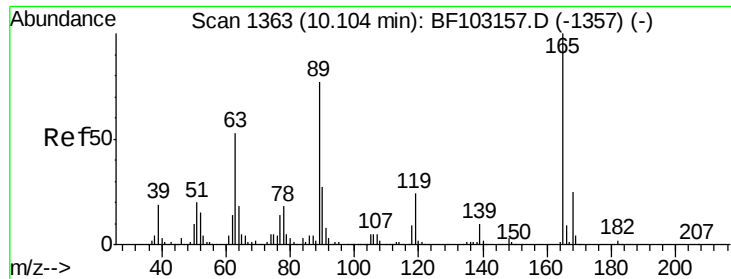
#50
2,6-Dinitrotoluene
Concen: 7.36 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion:165 Resp: 28469
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.9 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

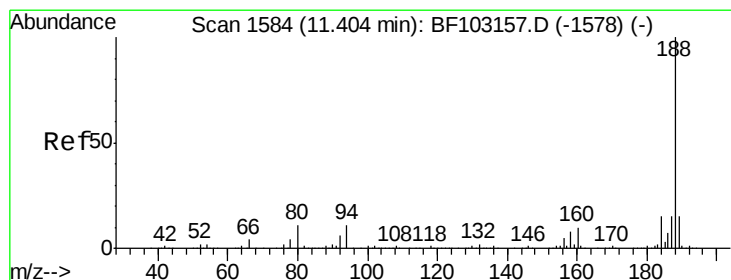
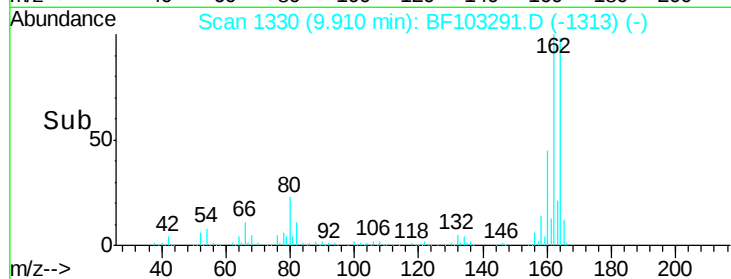
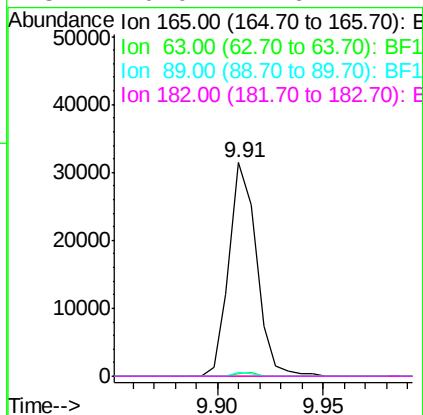
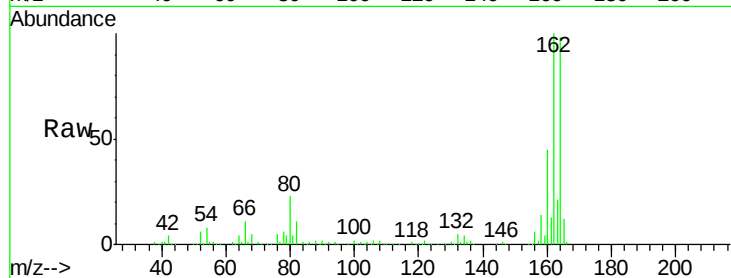




#56
 2,4-Dinitrotoluene
 Concen: 5.82 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103291.D
 Acq: 28 Feb 2018 4:40

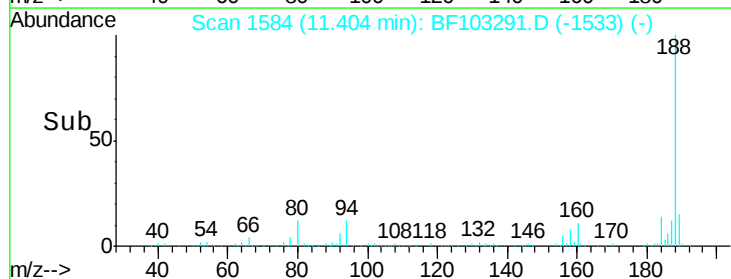
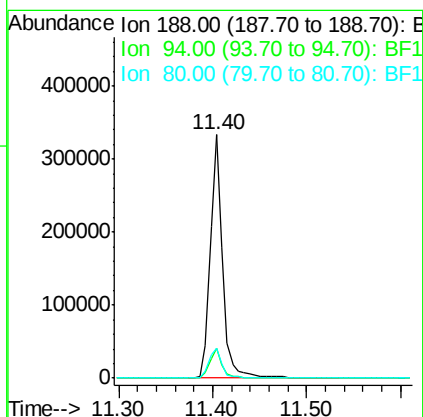
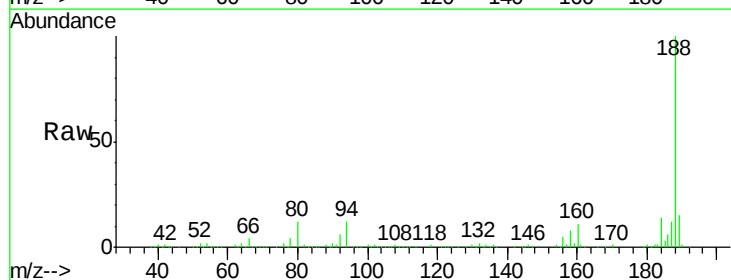
Instrument :
 BNA_F
 ClientSampled :

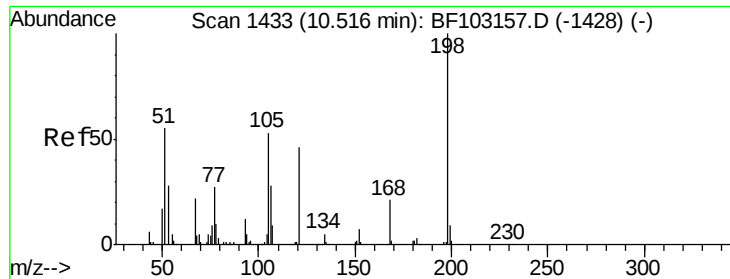
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103291.D
 Acq: 28 Feb 2018 4:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	8.5	12.7
80	12.4	9.2	13.8

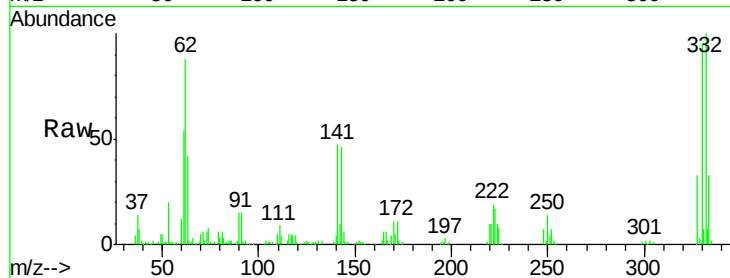




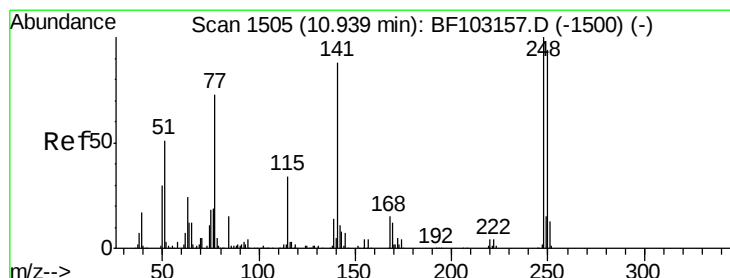
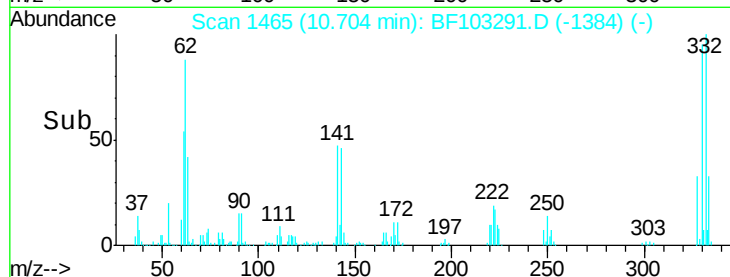
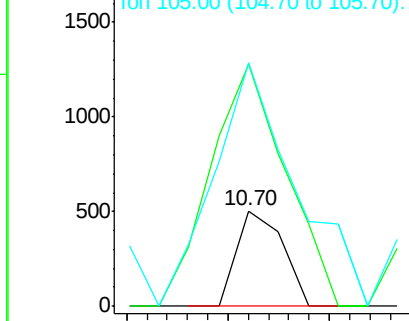
#64
4,6-Dinitro-2-methylphenol
Concen: 5.10 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 317
Ion Ratio Lower Upper
198 100
51 253.8 37.7 77.7#
105 255.2 36.3 76.3#

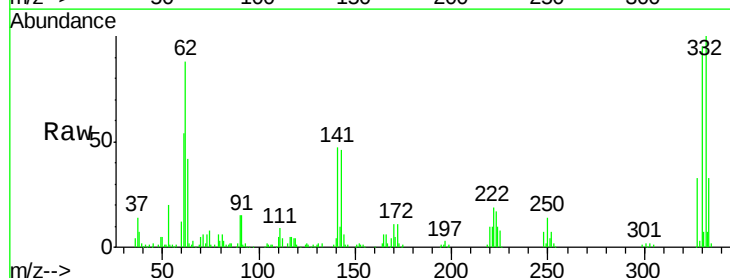


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

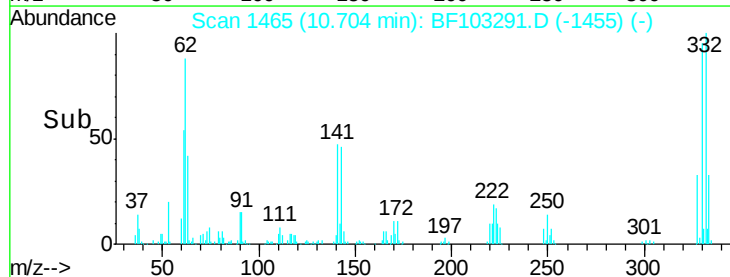
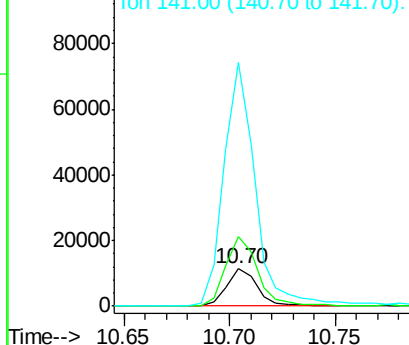


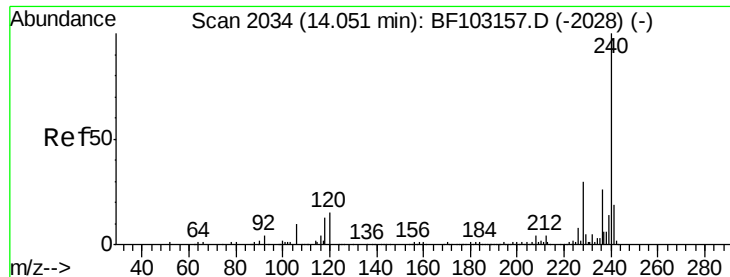
#66
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103291.D
Acq: 28 Feb 2018 4:40

Tgt Ion:248 Resp: 11425
Ion Ratio Lower Upper
248 100
250 186.5 76.9 115.3#
141 650.5 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

Chrvsene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103291.D

Acq: 28 Feb 2018 4:40

Instrument :

BNA_F

ClientSampleId :

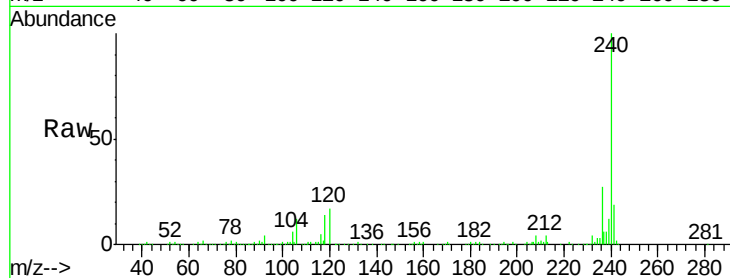
Tot Ion:240 Resp: 238411

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

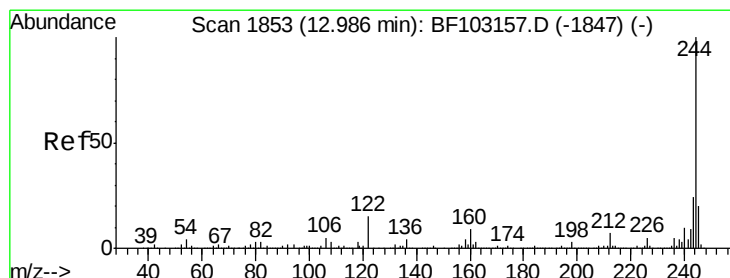
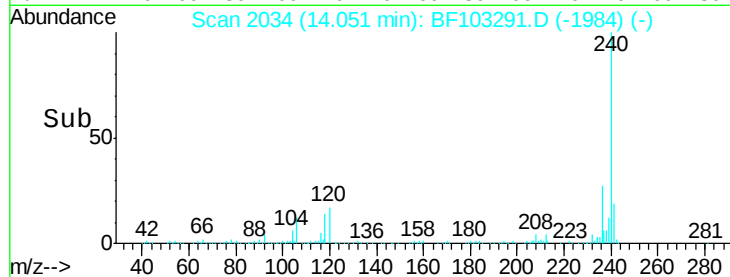
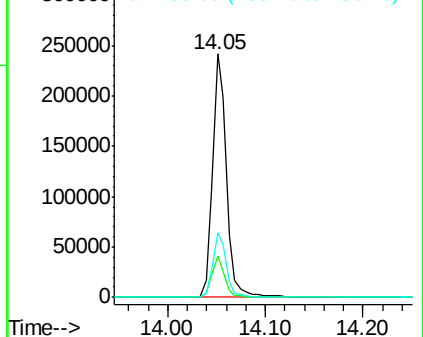
236 26.6 20.7 31.1



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: 73.10 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103291.D

Acq: 28 Feb 2018 4:40

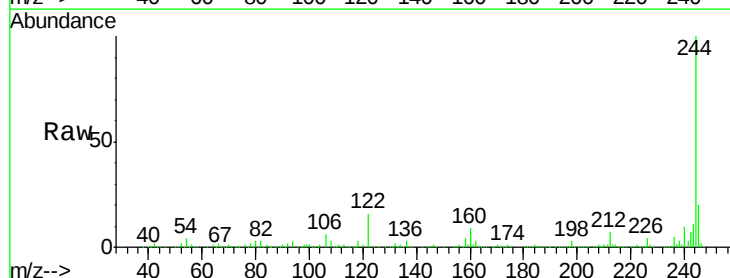
Tgt Ion:244 Resp: 724977

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

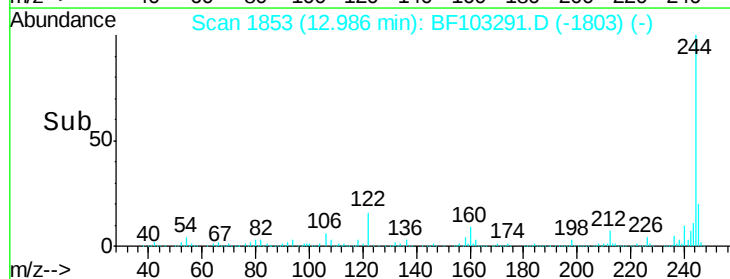
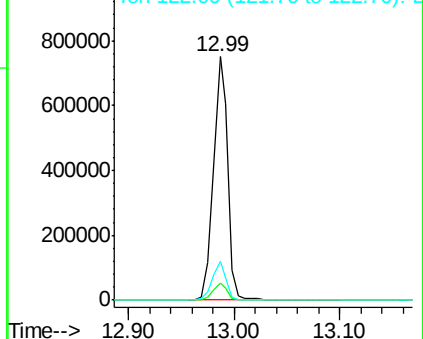
122 16.0 11.0 16.4

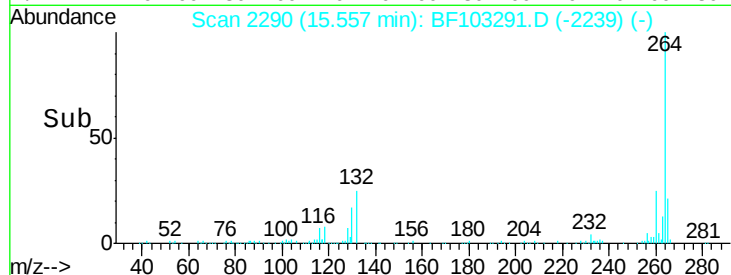
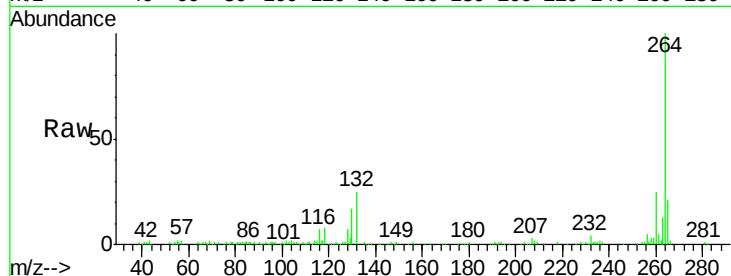
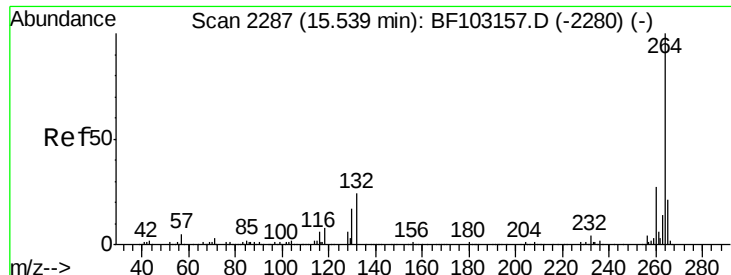


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BF103291.D
 Acq: 28 Feb 2018 4:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	173305
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.1	17.5	26.3

