

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103240.D
 Acq On : 27 Feb 2018 1:29
 Operator : SJ/JU
 Sample : J1660-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 02:28:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

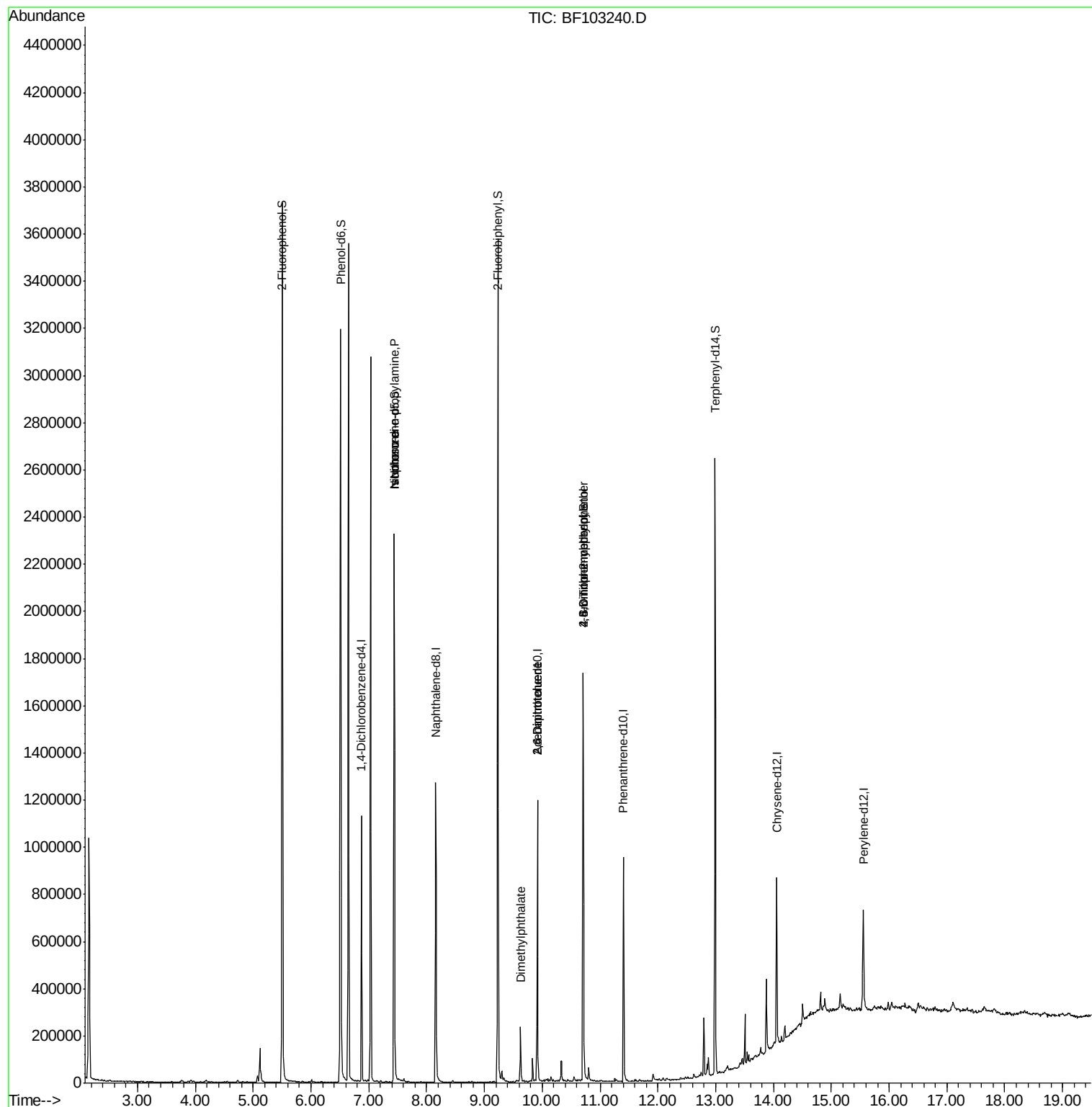
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146886	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	584766	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	229450	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	362176	20.00	ng	0.00
75) Chrysene-d12	14.06	240	259311	20.00	ng	0.00
86) Perylene-d12	15.56	264	208979	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1106545	113.94	ng	0.02
7) Phenol-d6	6.52	99	1274222	107.22	ng	0.01
23) Nitrobenzene-d5	7.44	82	776269	75.81	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	205769	105.95	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1177010	89.46	ng	0.00
78) Terphenyl-d14	12.99	244	901049	83.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	103491	13.99	ng	# 81
25) Isophorone	7.44	82	776261	38.49	ng	# 64
49) Dimethylphthalate	9.62	163	88112	4.79	ng	100
50) 2,6-Dinitrotoluene	9.92	165	29492	7.63	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	29492	6.04	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	460	5.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14001	3.71	ng	# 1

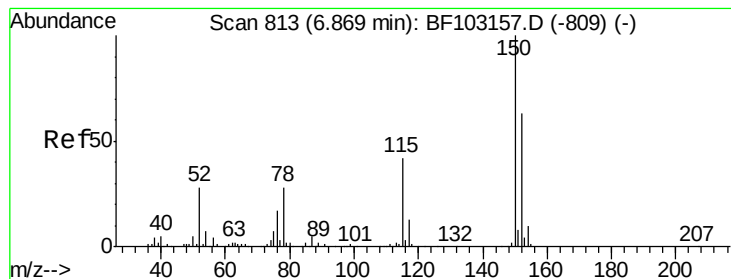
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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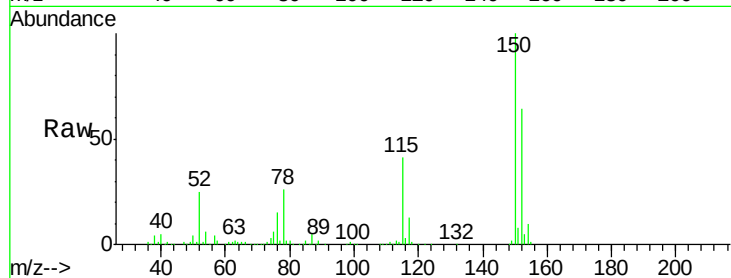


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	63.7	50.1	75.1

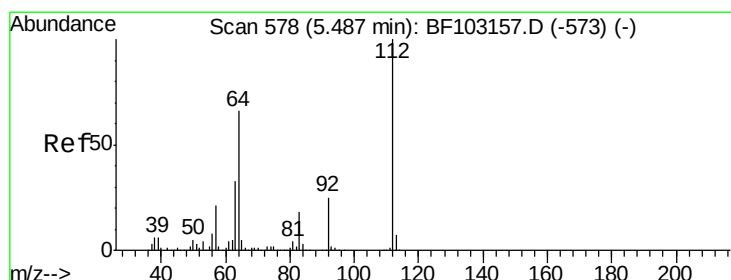
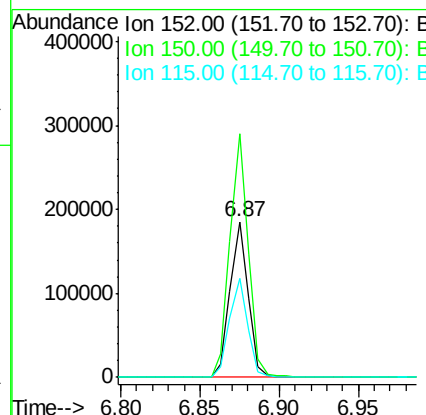
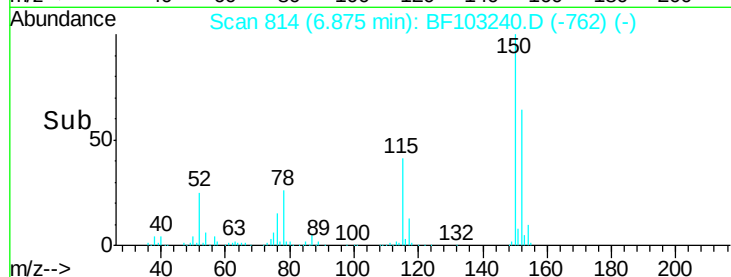


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

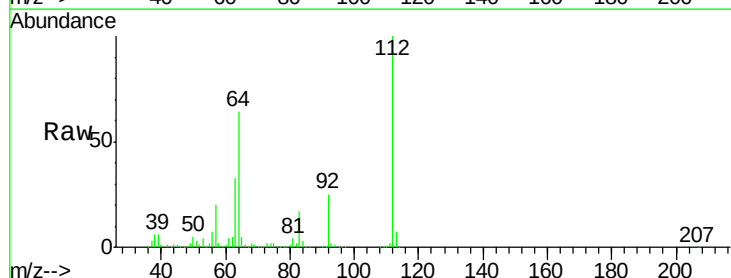
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.94 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.9	23.7	35.5

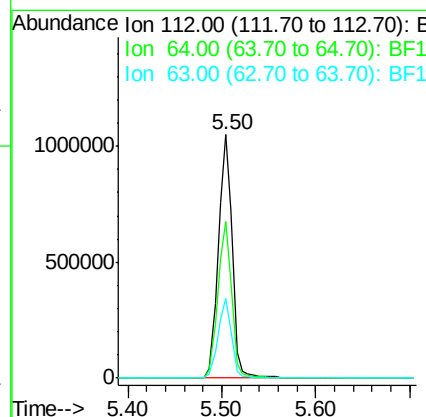
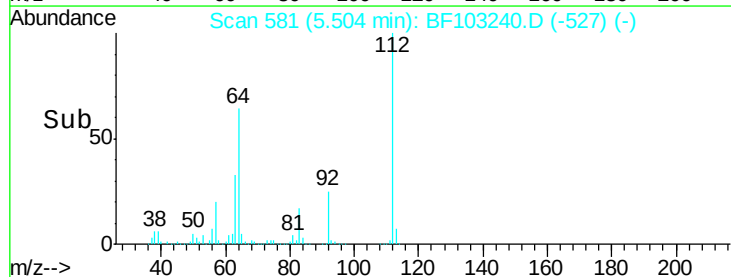


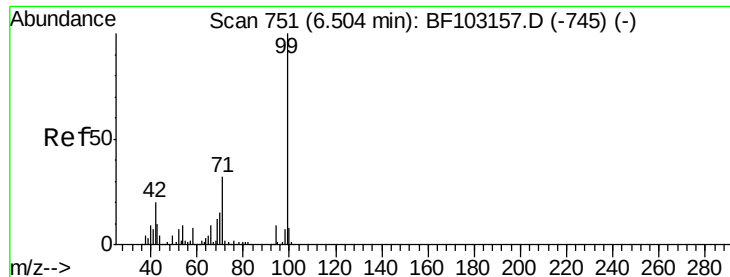
Abundance

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: 107.22 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

Instrument :

BNA_F

ClientSampled :

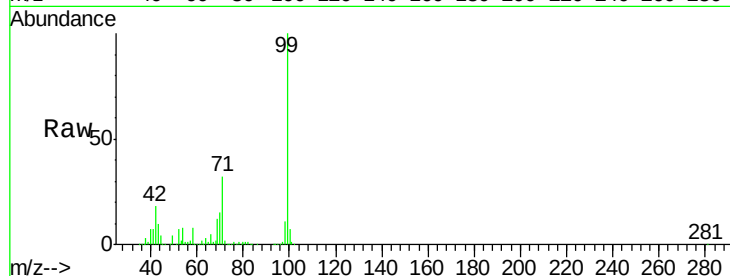
Tot Ion: 99 Resp: 1274222

Ion Ratio Lower Upper

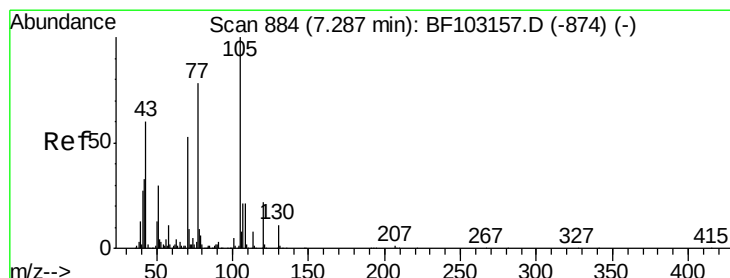
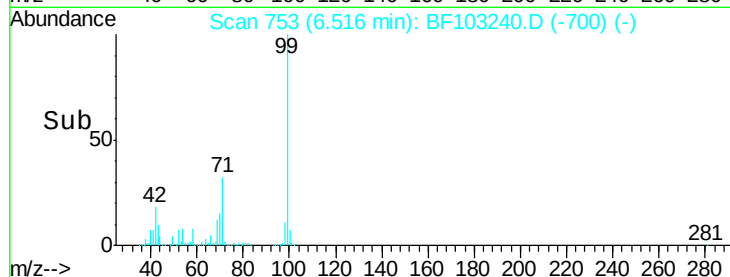
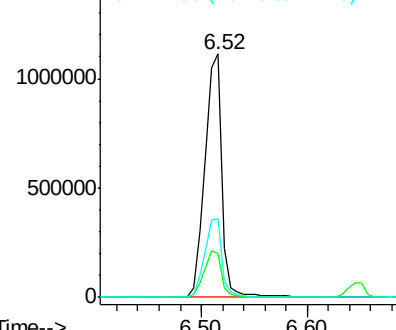
99 100

42 18.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.99 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

Tgt Ion: 70 Resp: 103491

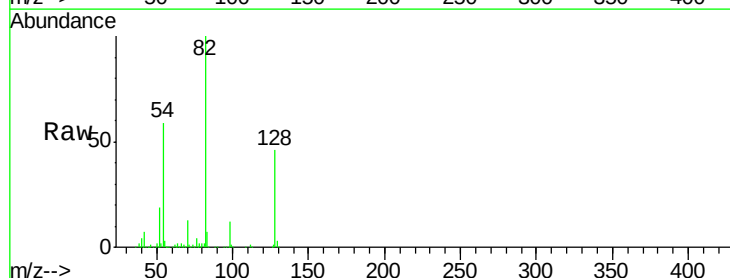
Ion Ratio Lower Upper

70 100

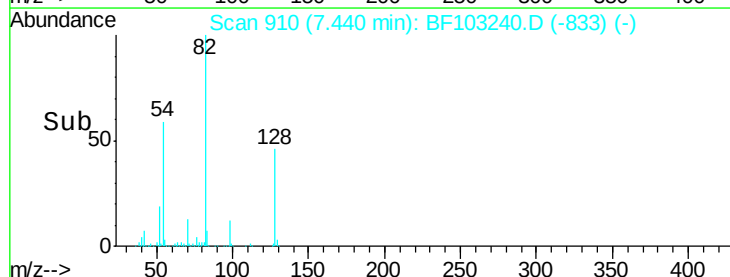
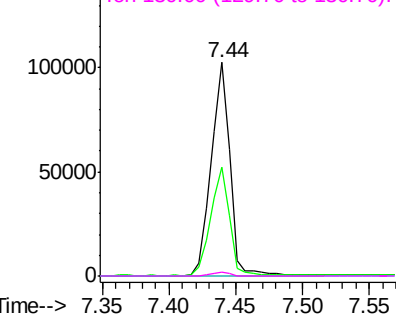
42 51.2 47.5 71.3

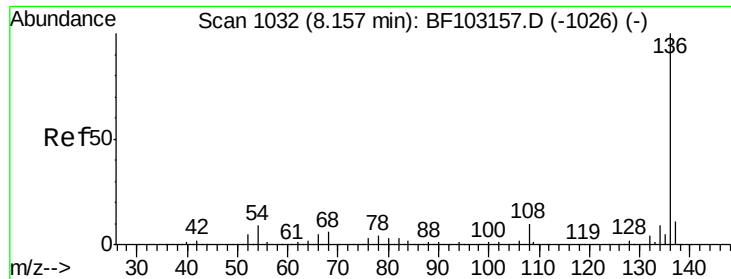
101 0.0 7.4 11.2#

130 1.9 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

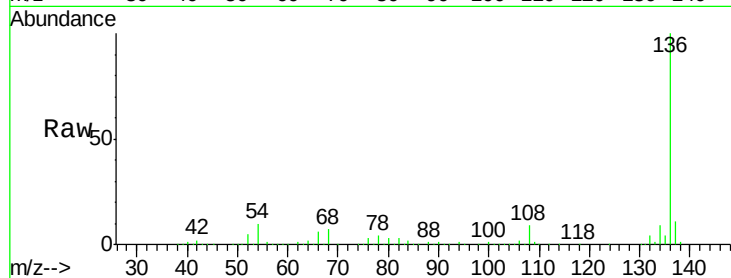




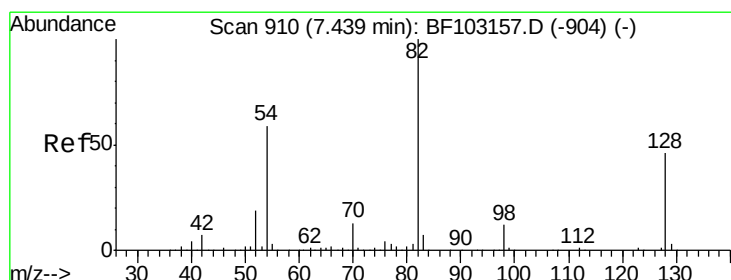
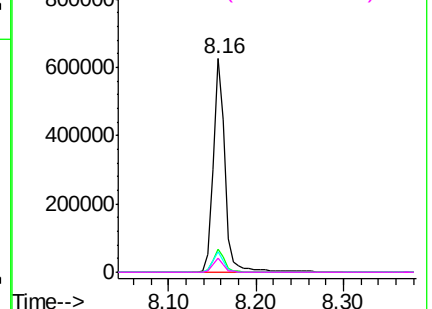
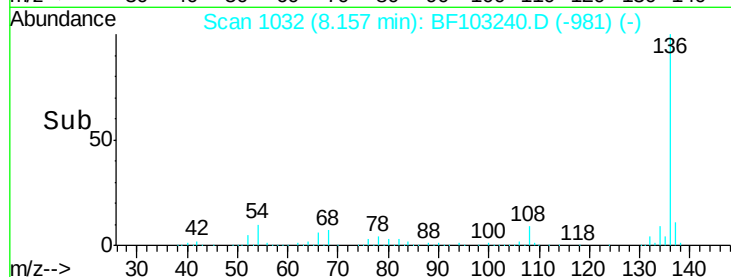
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	584766
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.7	6.6 9.8
68	6.7	5.0 7.4

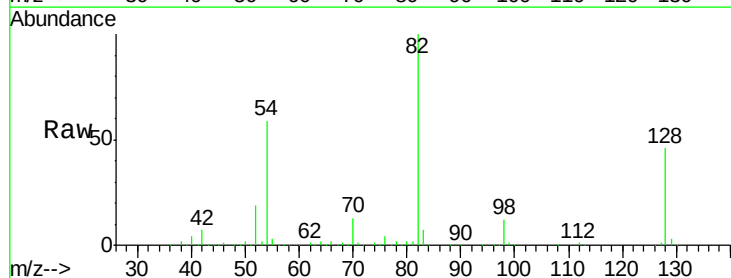


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

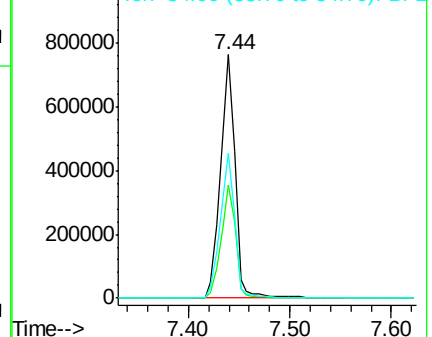
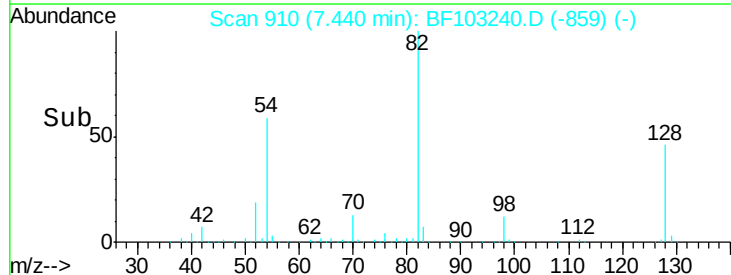


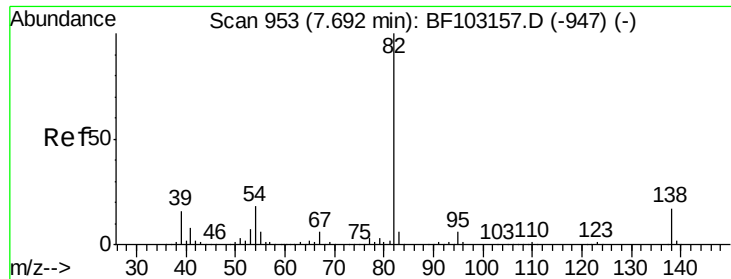
#23
Nitrobenzene-d5
Concen: 75.81 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Tgt Ion: 82	Resp:	776269
Ion Ratio	Lower	Upper
82	100	
128	46.3	36.1 54.1
54	59.4	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: 38.49 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

Instrument :

BNA_F

ClientSampleId :

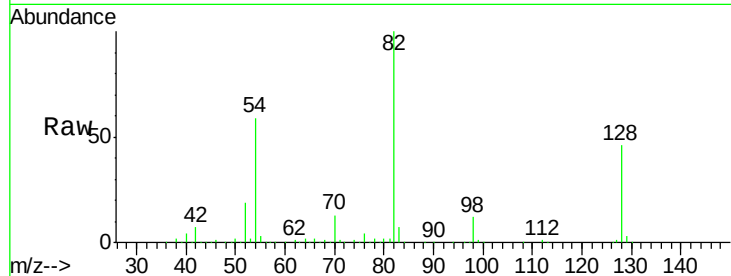
Tot Ion: 82 Resp: 776261

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

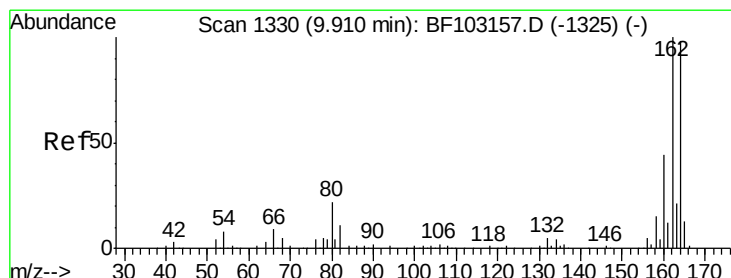
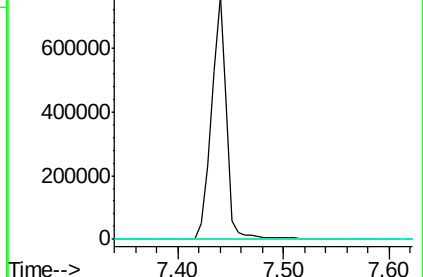
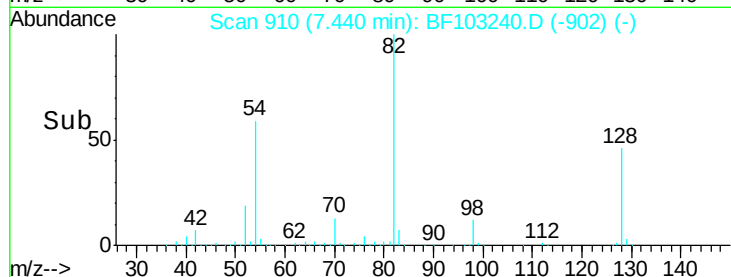
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

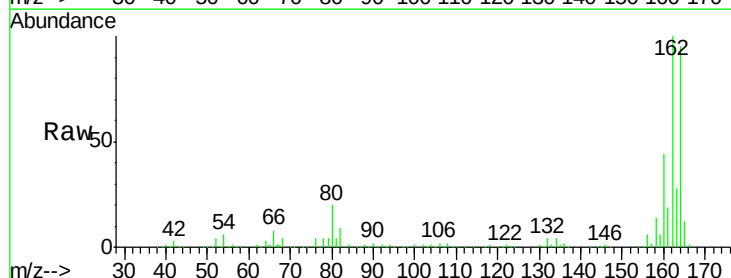
Tgt Ion: 164 Resp: 229450

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

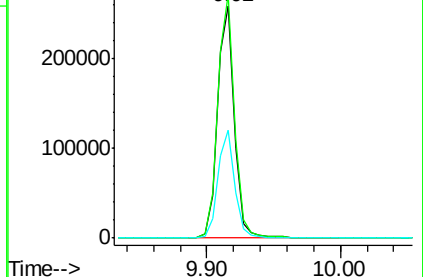
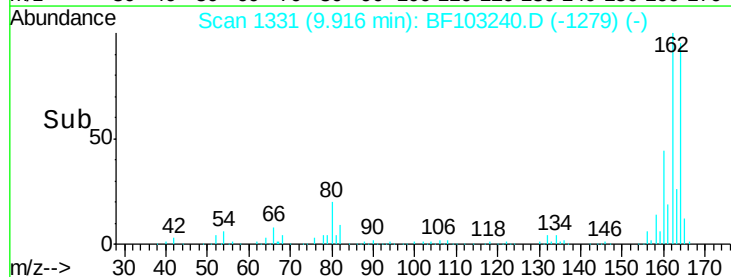
160 46.4 38.3 57.5

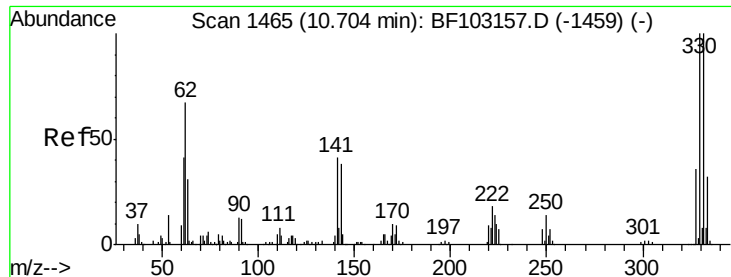


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

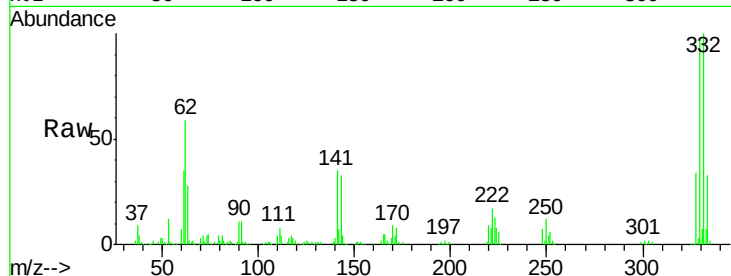




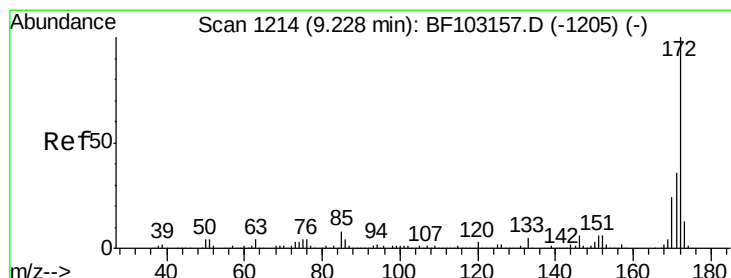
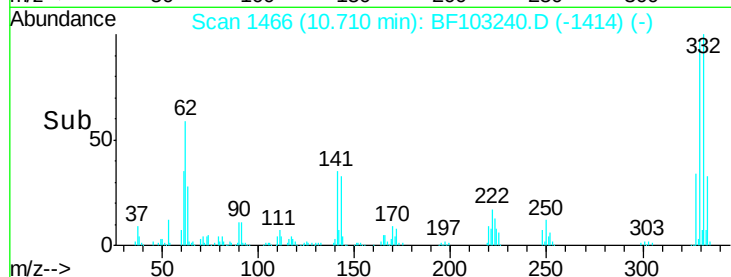
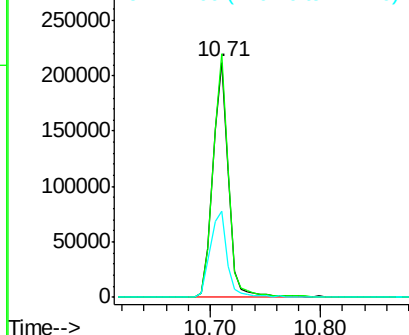
#41
 2,4,6-Tribromophenol
 Concen: 105.95 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	40.4	29.9	44.9

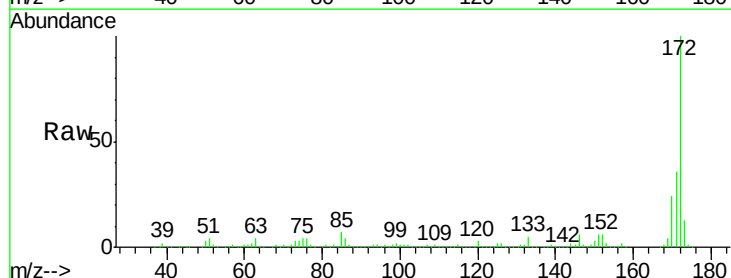


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

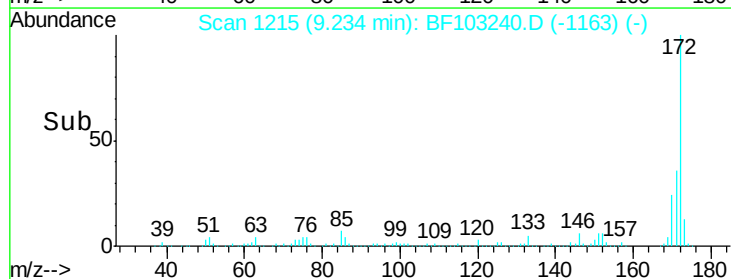
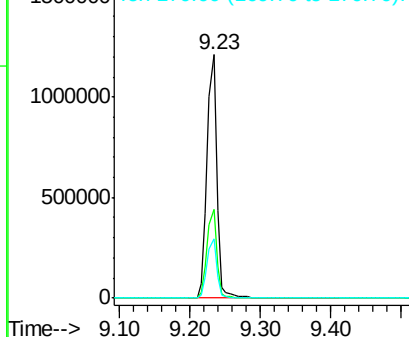


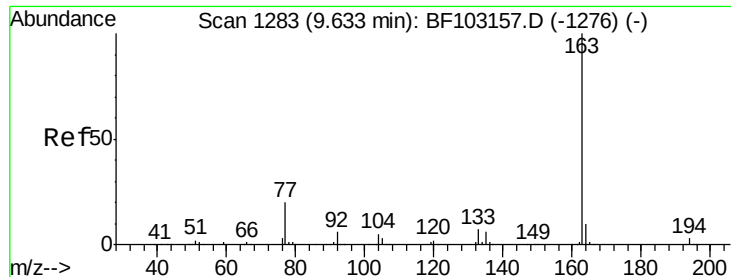
#44
 2-Fluorobiphenyl
 Concen: 89.46 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	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

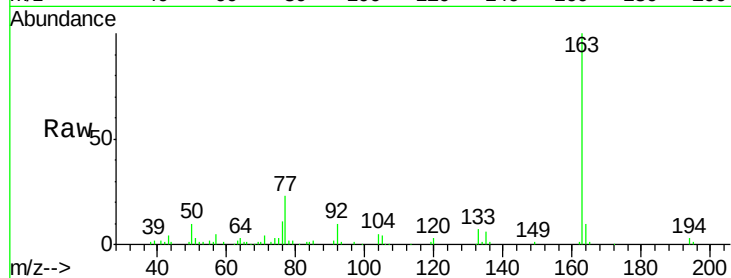




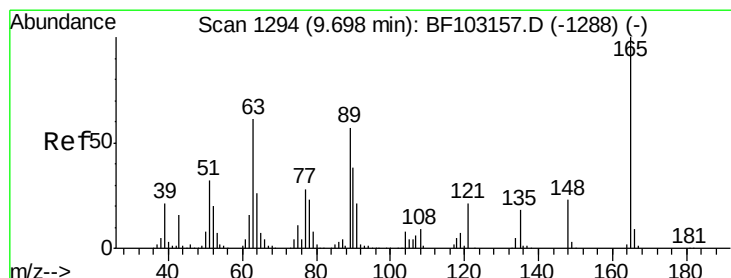
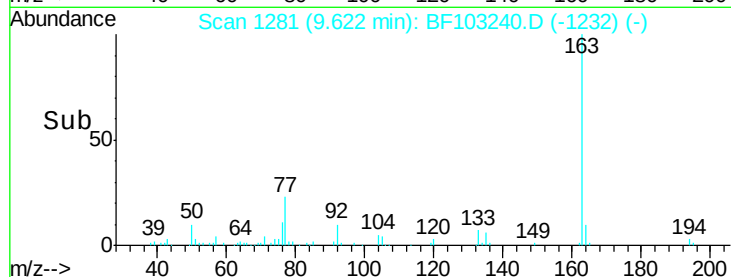
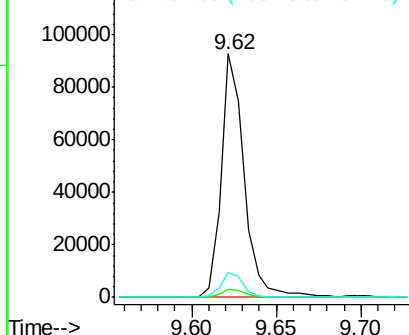
#49
Dimethylphthalate
Concen: 4.79 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 88112
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.2 8.2 12.2

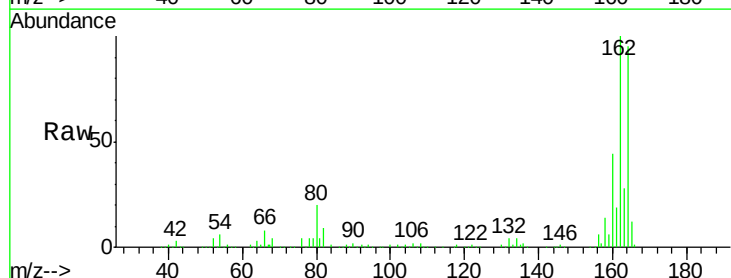


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

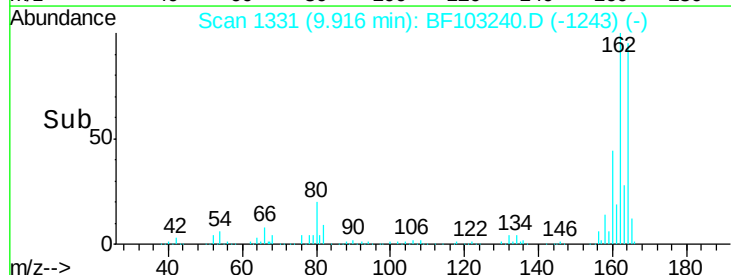
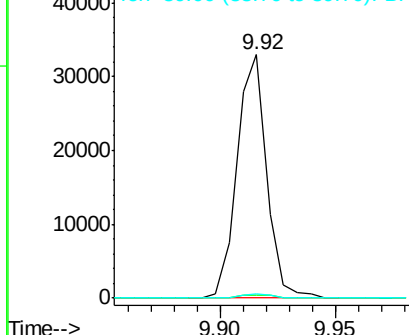


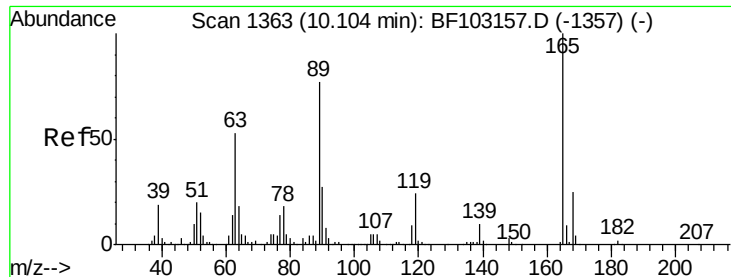
#50
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.22 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Tgt Ion:165 Resp: 29492
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.6 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

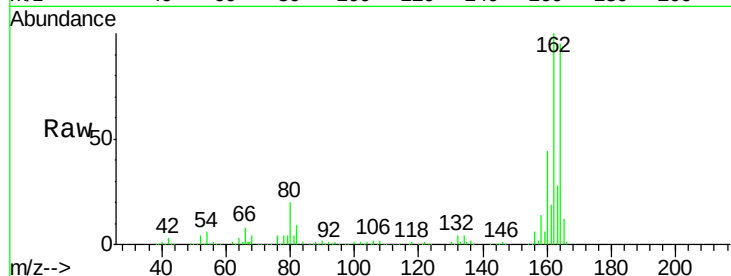




#56
 2,4-Dinitrotoluene
 Concen: 6.04 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

Instrument :
 BNA_F
 ClientSampleId :

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

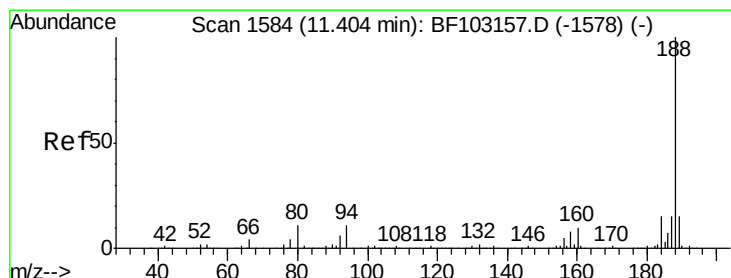
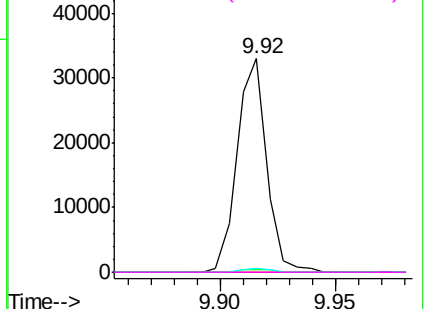
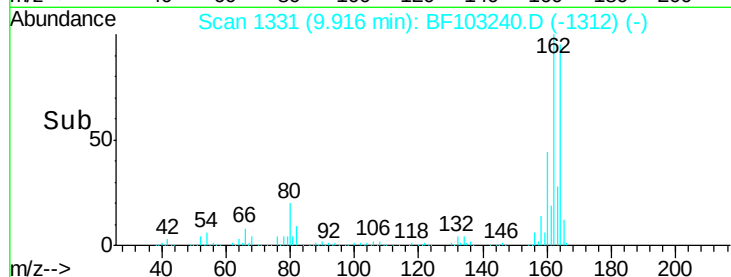


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

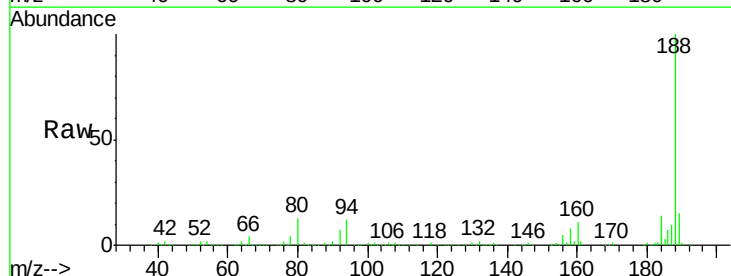
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

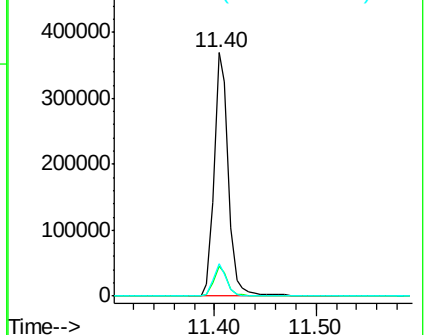
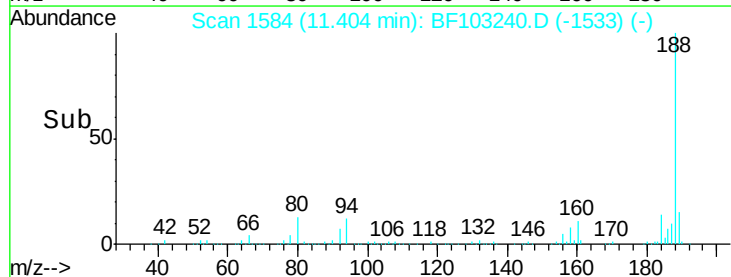
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	8.5	12.7
80	13.4	9.2	13.8

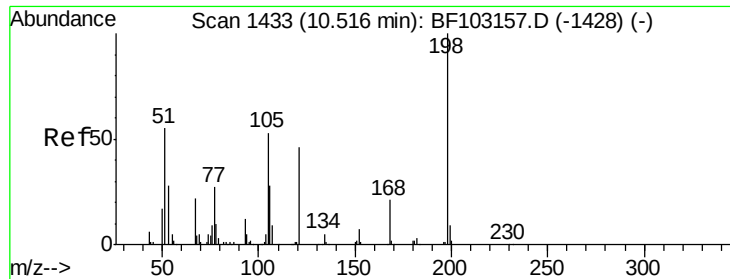


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.13 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

Instrument :

BNA_F

ClientSampled :

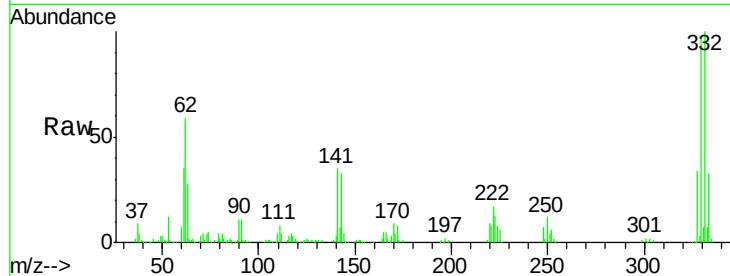
Tot Ion:198 Resp: 460

Ion Ratio Lower Upper

198 100

51 220.0 37.7 77.7#

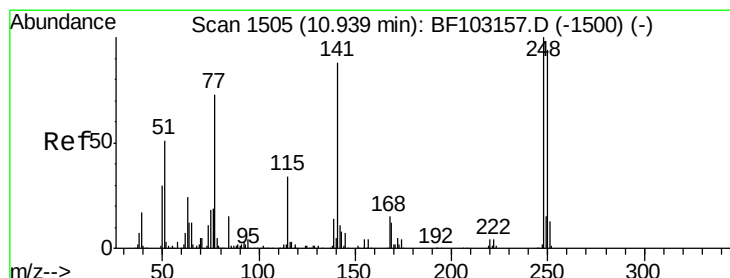
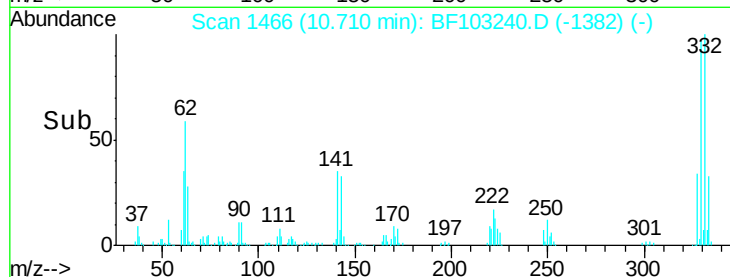
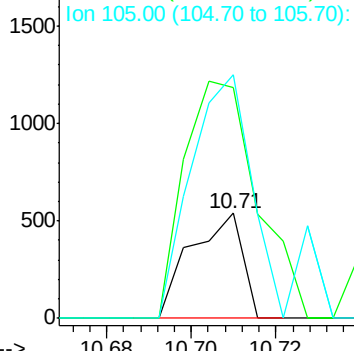
105 231.5 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.71 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.23 min

Lab File: BF103240.D

Acq: 27 Feb 2018 1:29

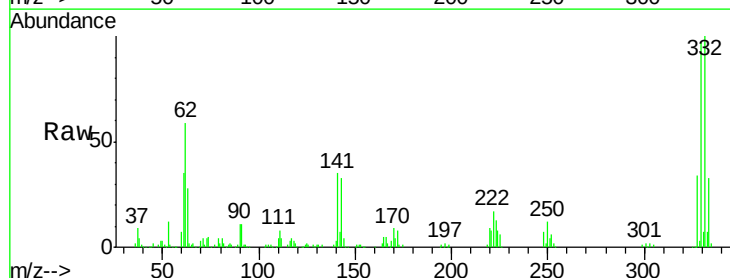
Tgt Ion:248 Resp: 14001

Ion Ratio Lower Upper

248 100

250 189.0 76.9 115.3#

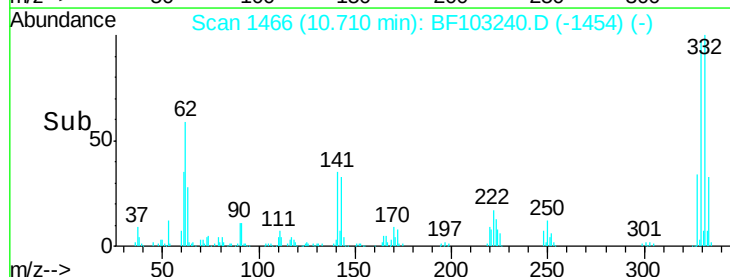
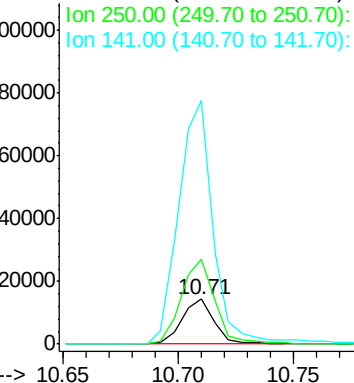
141 540.8 74.4 111.6#

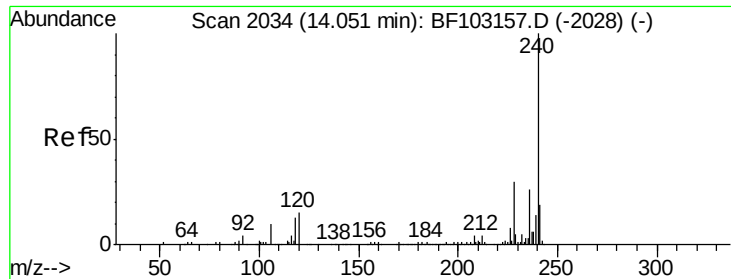


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

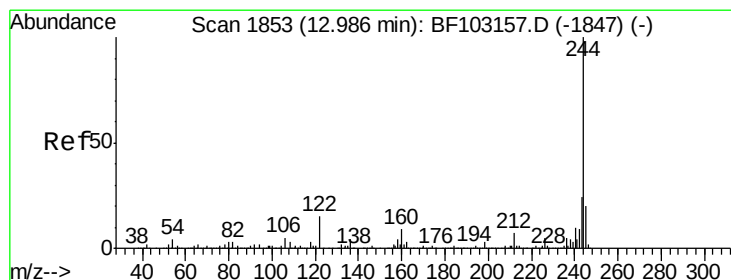
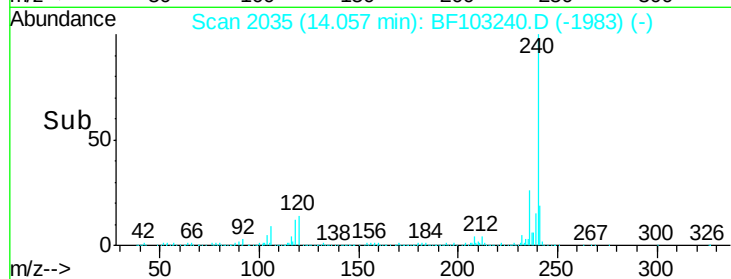
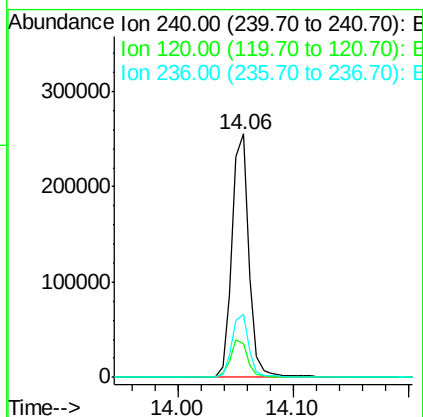
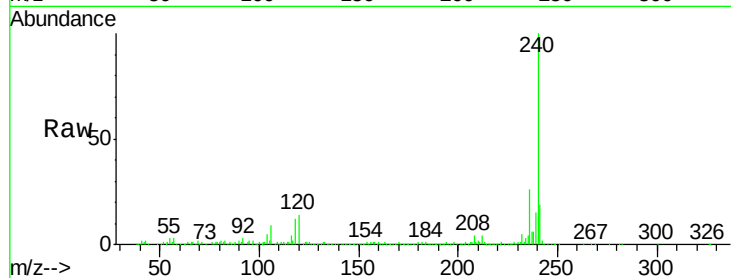




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

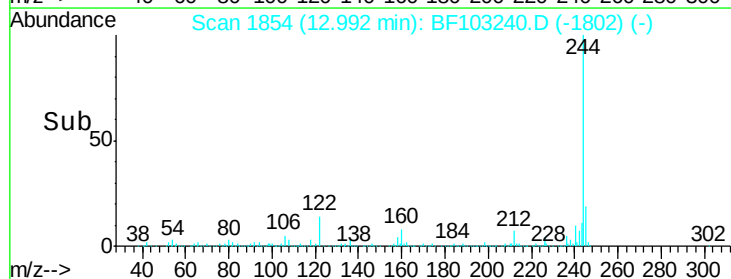
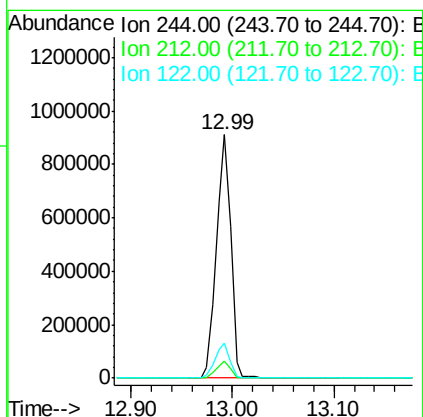
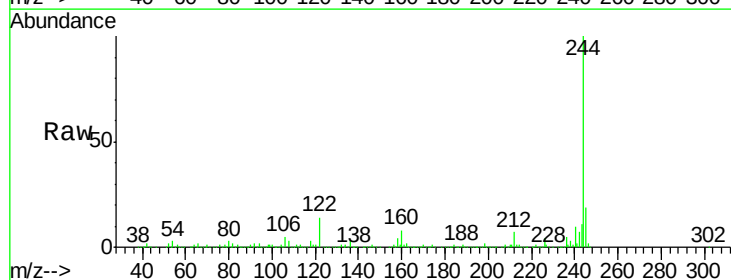
Instrument :
 BNA_F
 ClientSampleId :

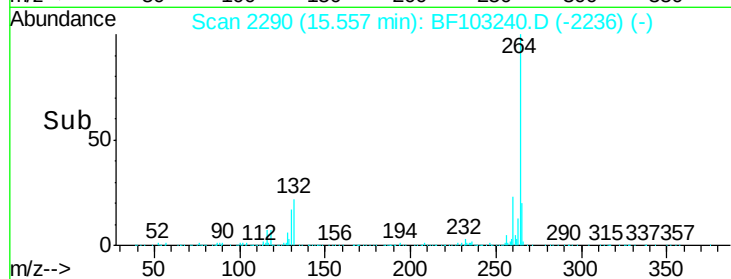
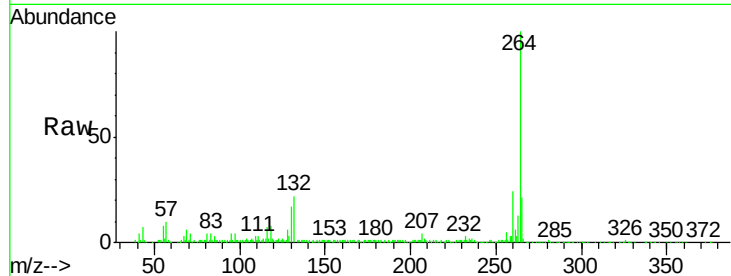
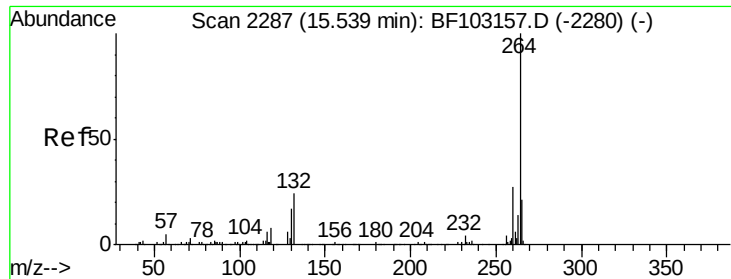
Tot Ion:240 Resp: 259311
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 26.1 20.7 31.1



#78
 Terphenyl-d14
 Concen: 83.53 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103240.D
 Acq: 27 Feb 2018 1:29

Tgt Ion:244 Resp: 901049
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.3 11.0 16.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103240.D
Acq: 27 Feb 2018 1:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.6	17.5	26.3

