

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103621.D
 Acq On : 13 Mar 2018 22:49
 Operator : SJ/JU
 Sample : PB107300TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 00:55:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

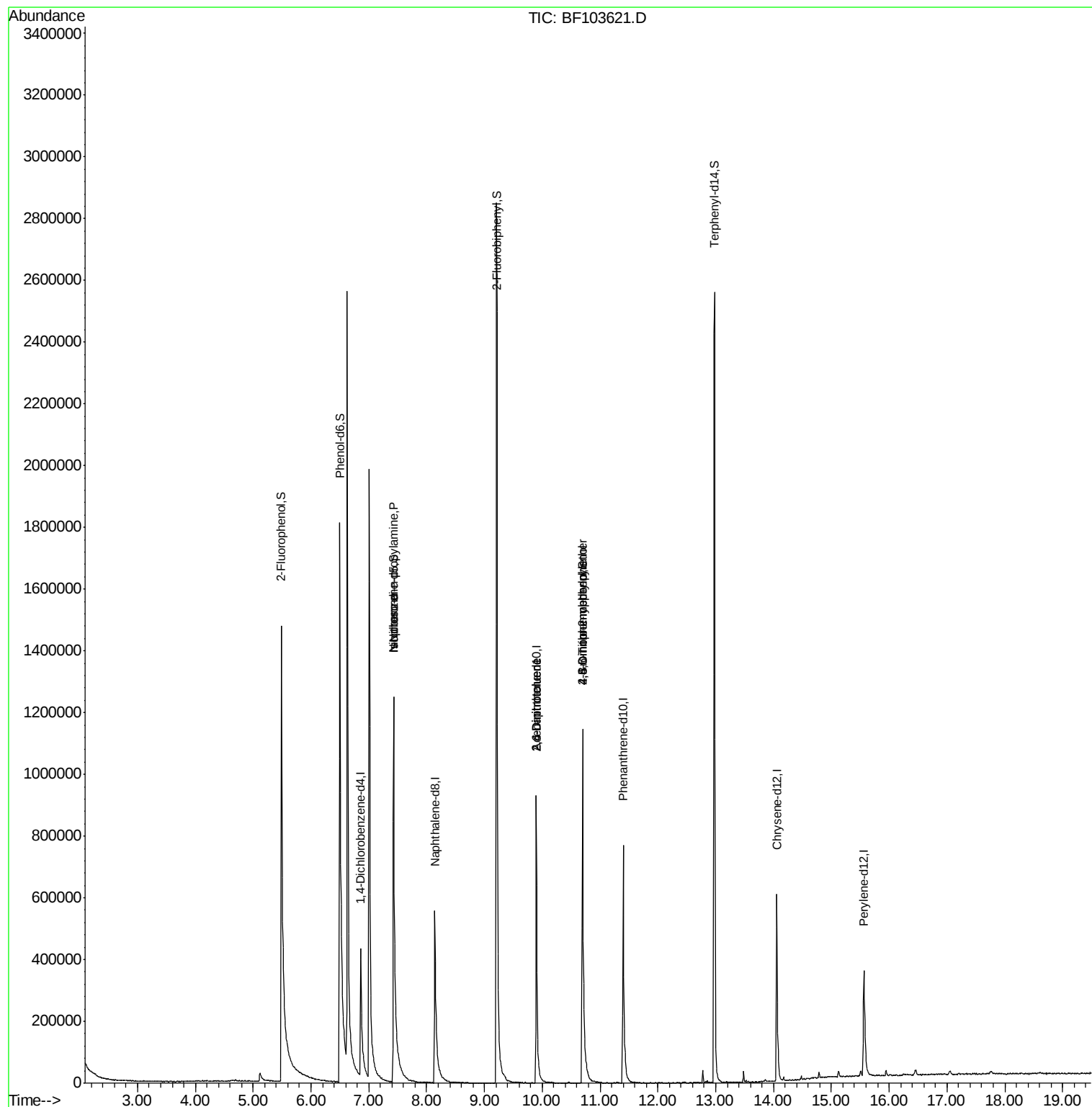
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	133370	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	600970	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	271779	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	490182	20.00	ng	0.00
75) Chrysene-d12	14.06	240	293925	20.00	ng	0.00
86) Perylene-d12	15.57	264	245656	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	987648	112.00	ng	0.00
7) Phenol-d6	6.50	99	1302710	120.73	ng	-0.01
23) Nitrobenzene-d5	7.43	82	836676	79.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	197942	86.04	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1284384	80.34	ng	-0.01
78) Terphenyl-d14	12.98	244	1026611	83.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1361	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	103972	15.482 ng	#	83
25) Isophorone	7.43	82	845522	40.796 ng	#	64
50) 2,6-Dinitrotoluene	9.90	165	33621	7.348 ng	#	25
56) 2,4-Dinitrotoluene	9.90	165	34179	5.907 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	137	4.987 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	14546	2.849 ng	#	1

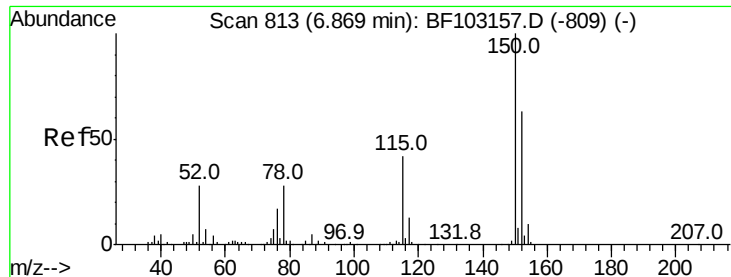
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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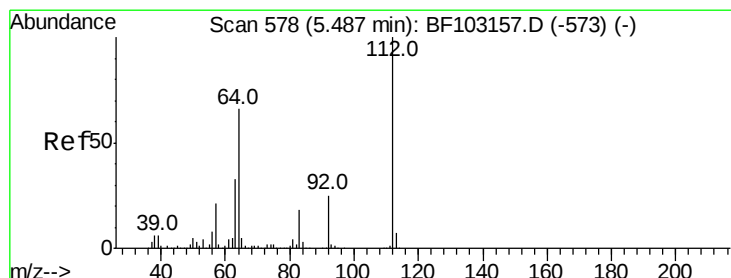
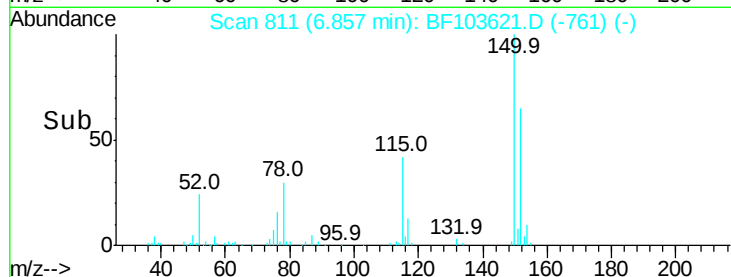
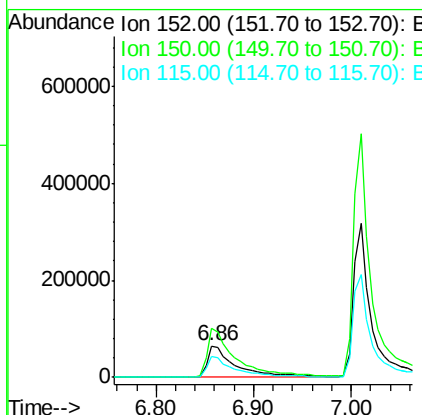
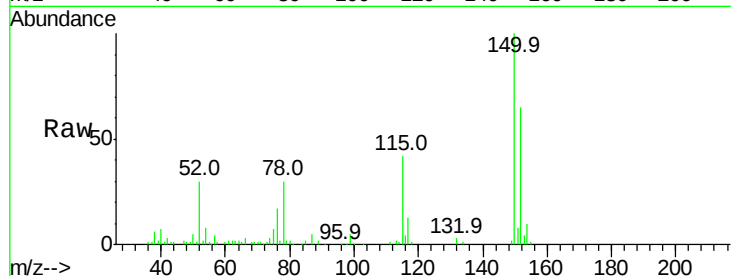


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Instrument :
BNA_F
ClientSampleId :

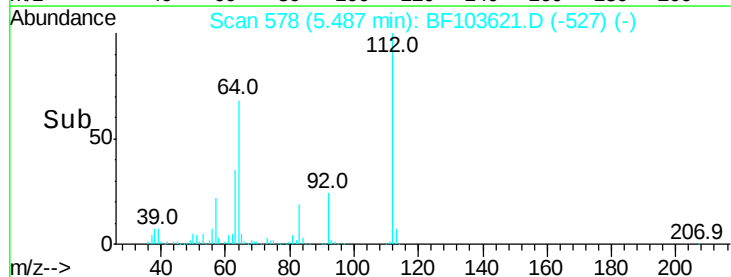
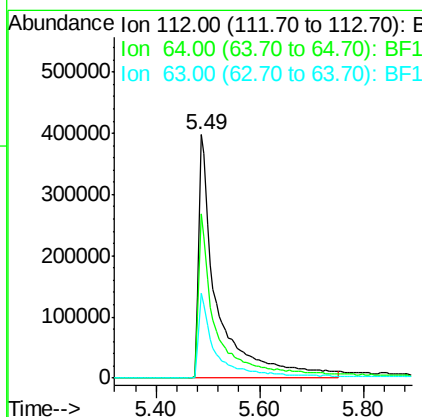
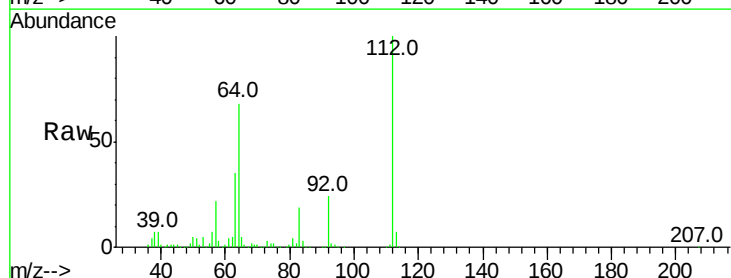
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	65.3	50.1	75.1

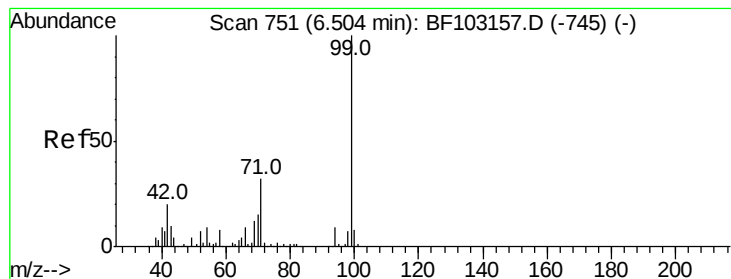


#5

2-Fluorophenol
Concen: 112.000 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	47.9	71.9
63	34.8	23.7	35.5





#7

Phenol-d6

Concen: 120.728 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

Instrument :

BNA_F

ClientSampleId :

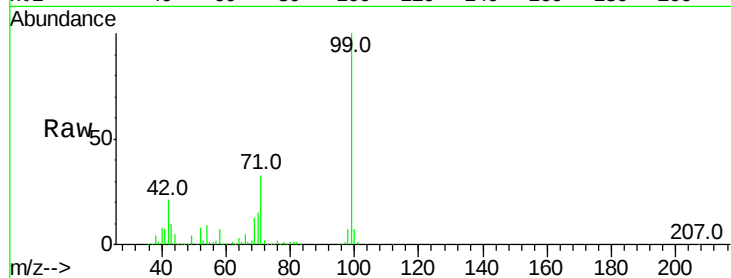
Tot Ion: 99 Resp: 1302710

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

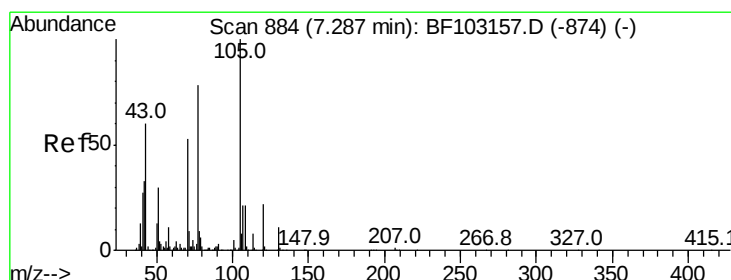
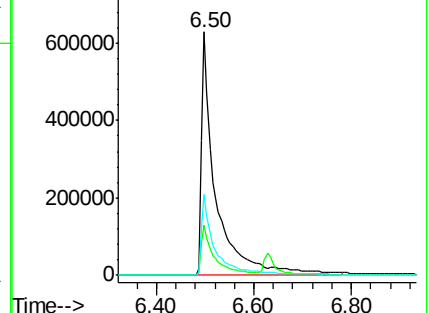
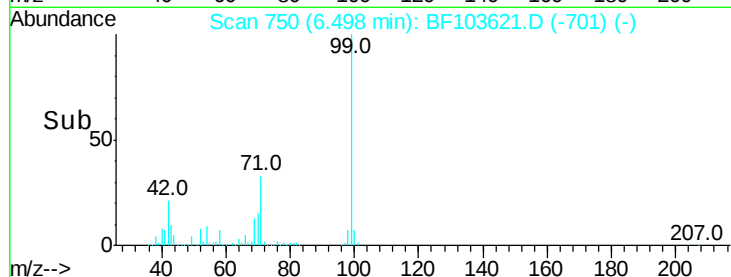
71 33.2 25.4 38.0



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: 15.482 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

Tgt Ion: 70 Resp: 103972

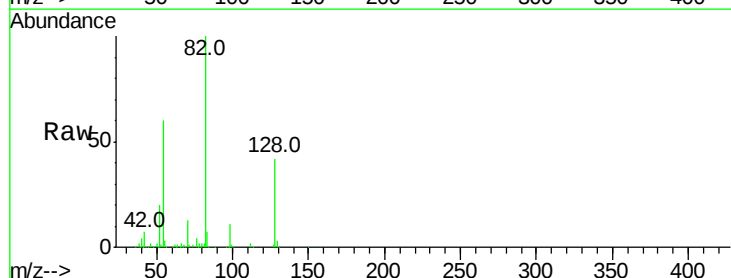
Ion Ratio Lower Upper

70 100

42 54.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

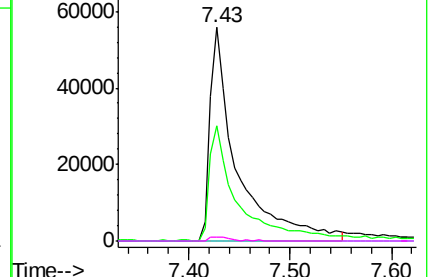
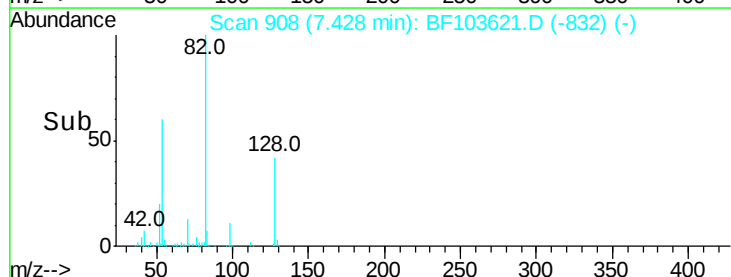


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

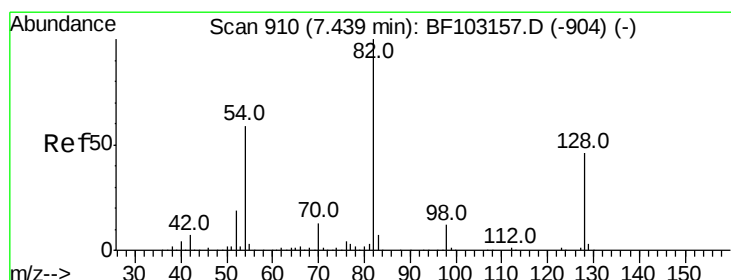
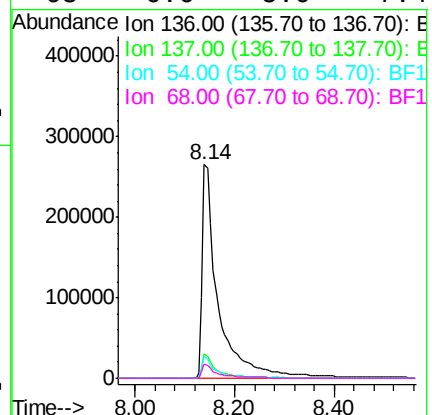
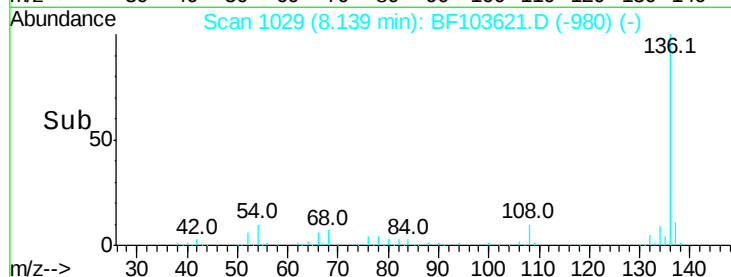
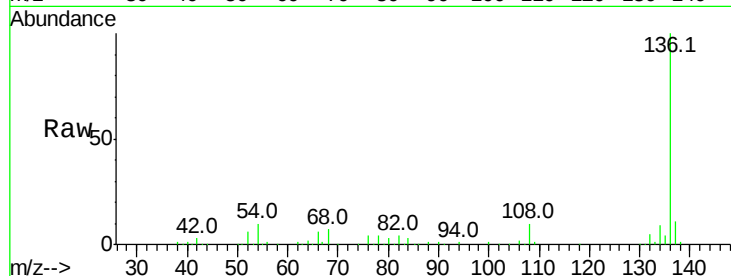




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

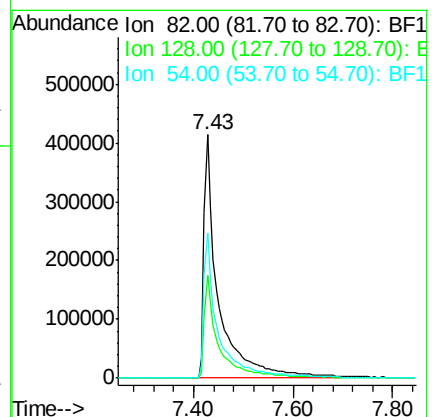
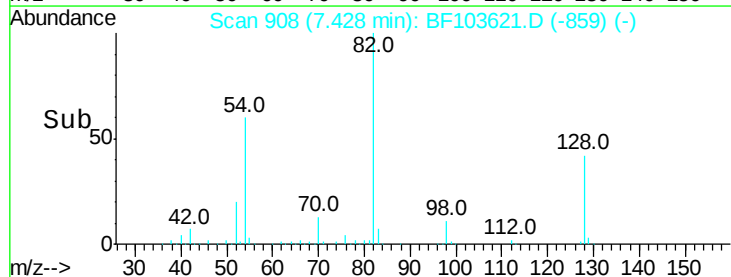
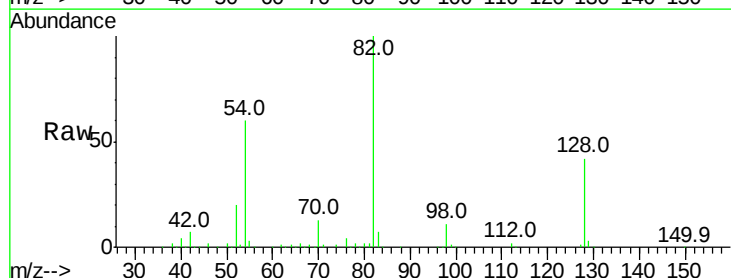
Instrument :
BNA_F
ClientSampleId :

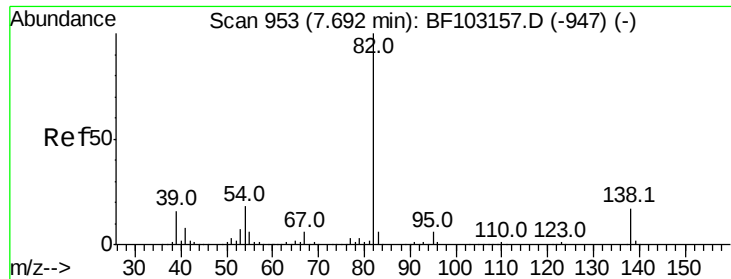
Tot Ion:	136	Resp:	600970
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.1	6.6	9.8#
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 79.507 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Tgt Ion:	82	Resp:	836676
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	59.8	41.4	62.2





#25

Isophorone

Concen: 40.796 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

Instrument :

BNA_F

ClientSampleId :

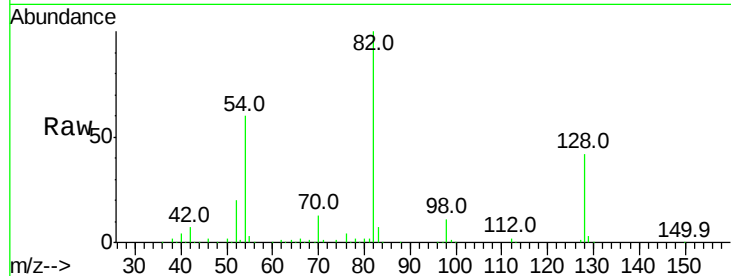
Tot Ion: 82 Resp: 845522

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

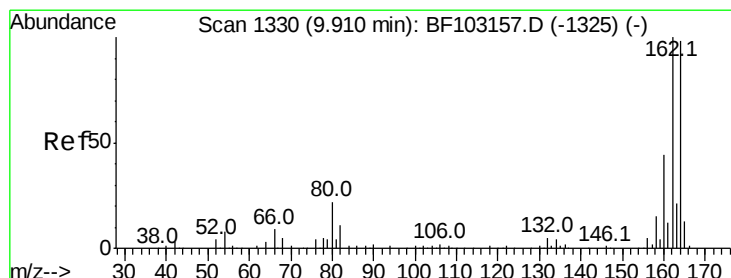
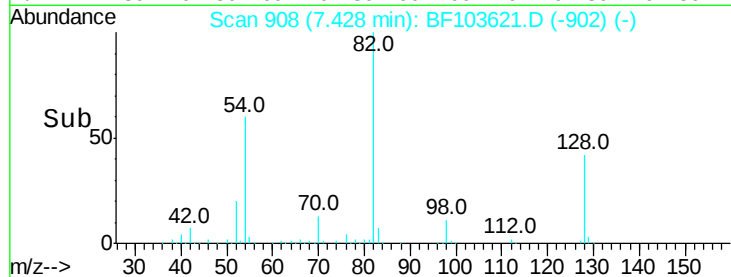
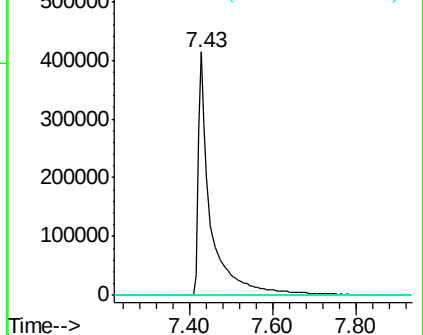
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

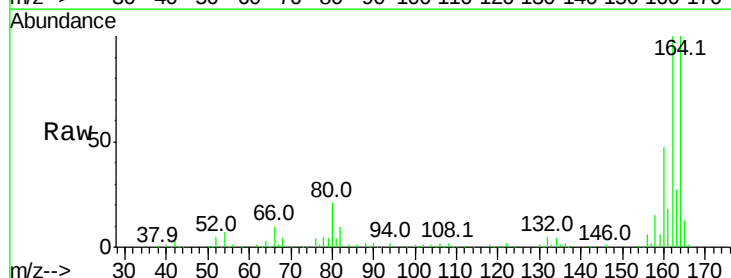
Tgt Ion:164 Resp: 271779

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

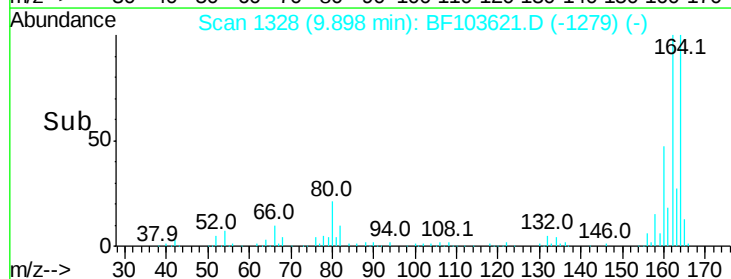
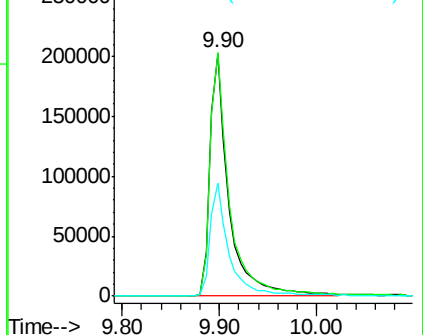
160 46.8 38.3 57.5



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

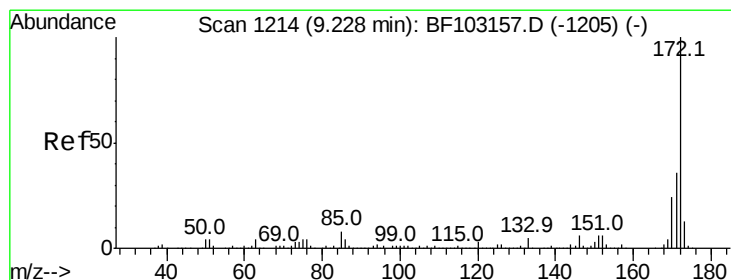
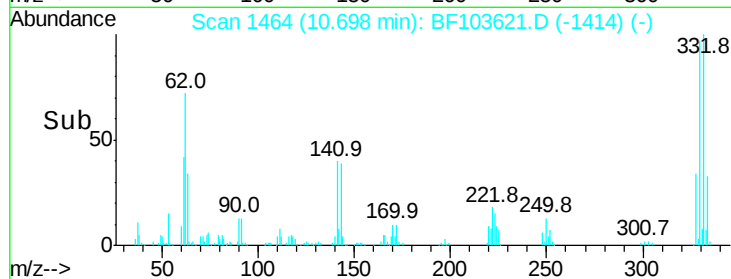
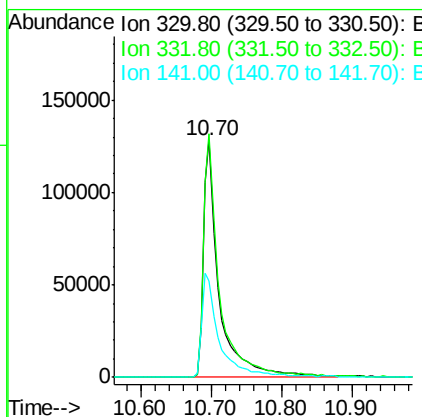
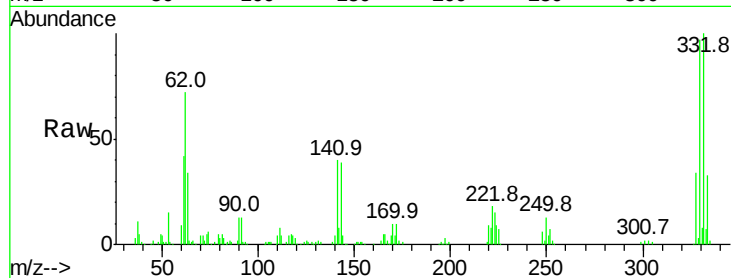




#41
 2,4,6-Tribromophenol
 Concen: 86.045 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103621.D
 Acq: 13 Mar 2018 22:49

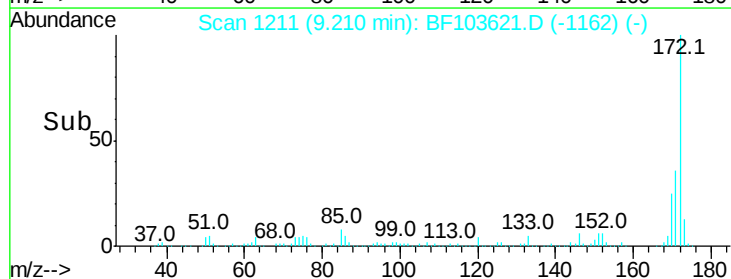
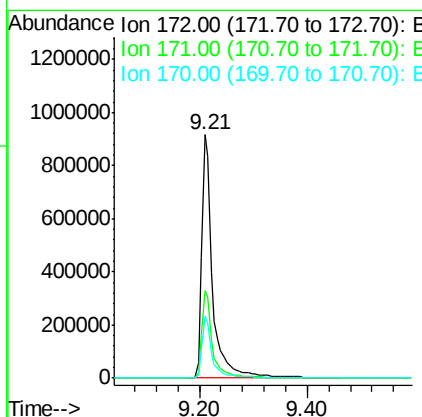
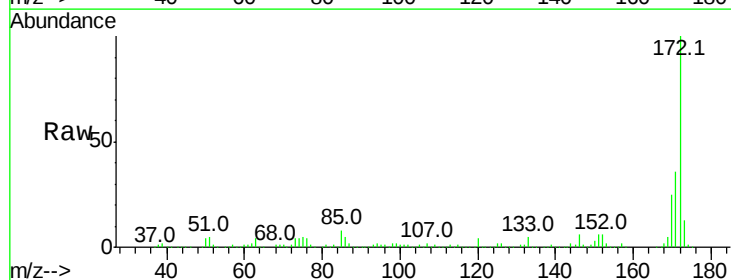
Instrument :
 BNA_F
 ClientSampleId :

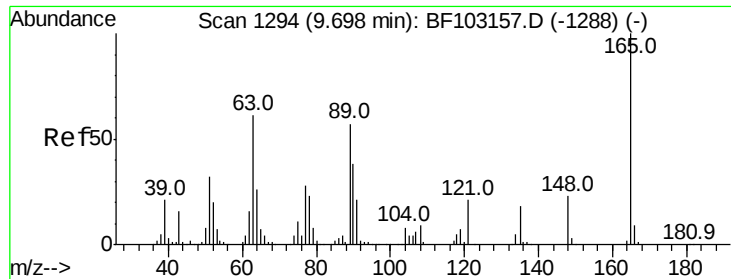
Tot Ion:330 Resp: 197942
 Ion Ratio Lower Upper
 330 100
 332 105.3 77.0 115.6
 141 49.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 80.344 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103621.D
 Acq: 13 Mar 2018 22:49

Tgt Ion:172 Resp: 1284384
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 25.2 19.6 29.4

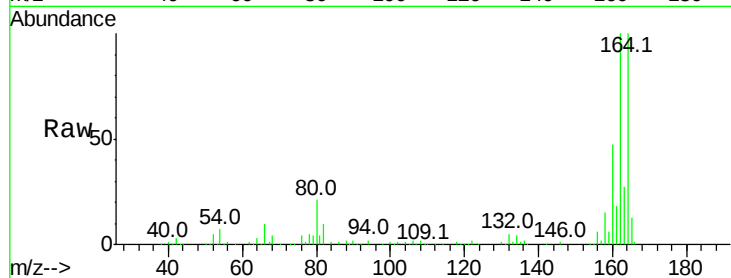




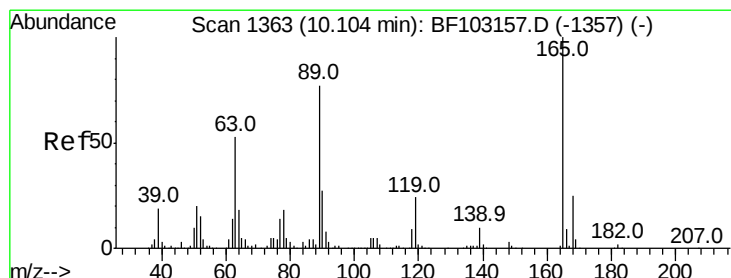
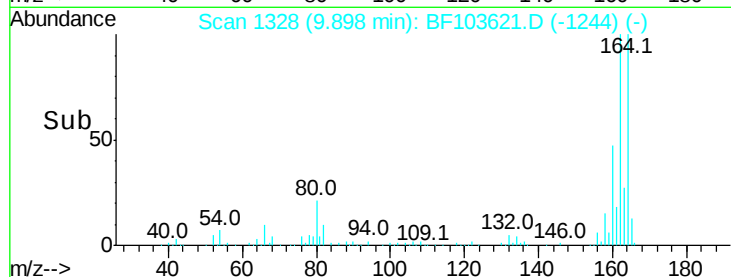
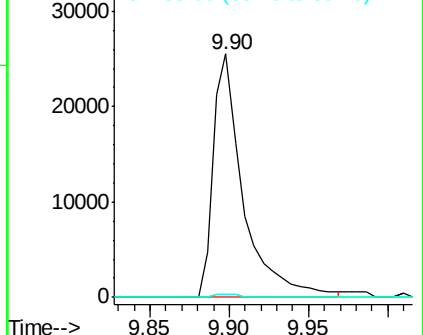
#50
2,6-Dinitrotoluene
Concen: 7.348 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.2	44.0	66.0#



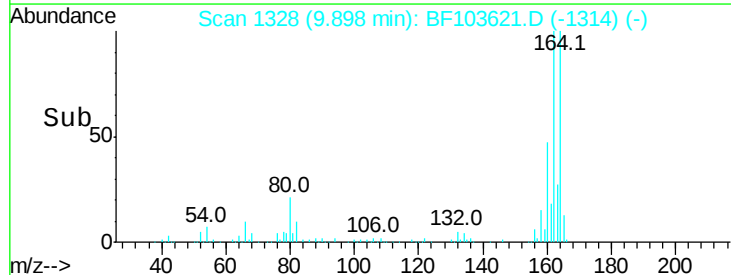
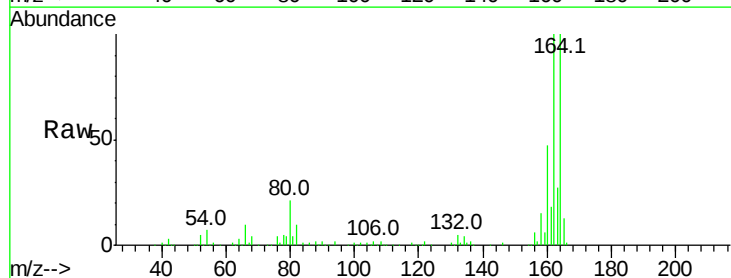
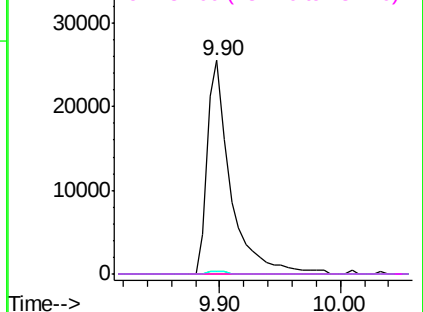
Abundance Ion 165.00 (164.70 to 165.70): E

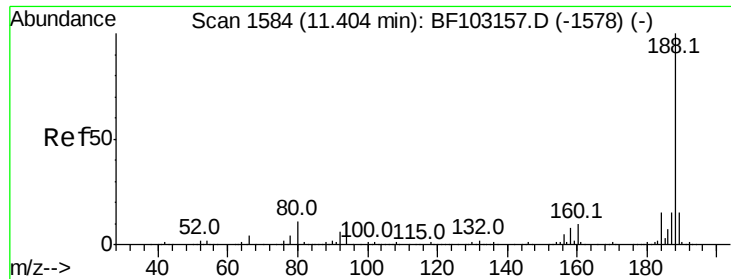


#56
2,4-Dinitrotoluene
Concen: 5.907 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E

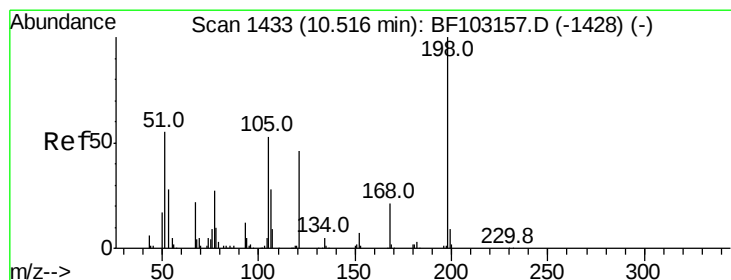
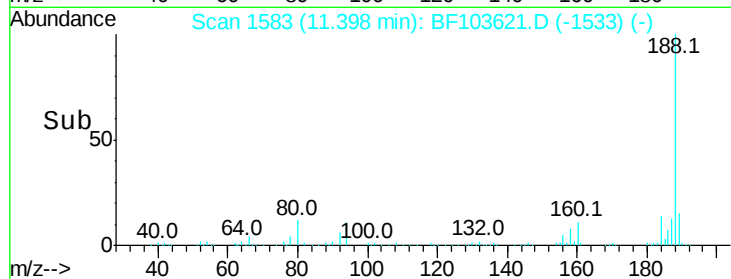
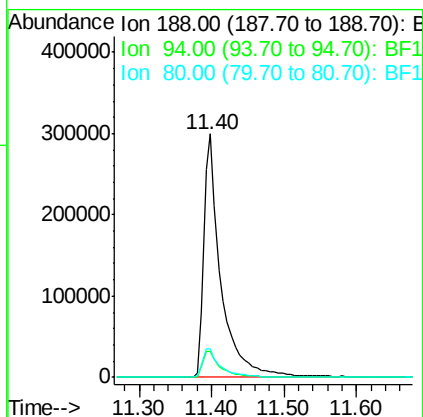
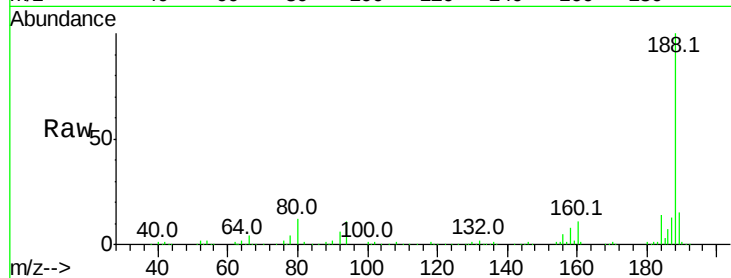




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

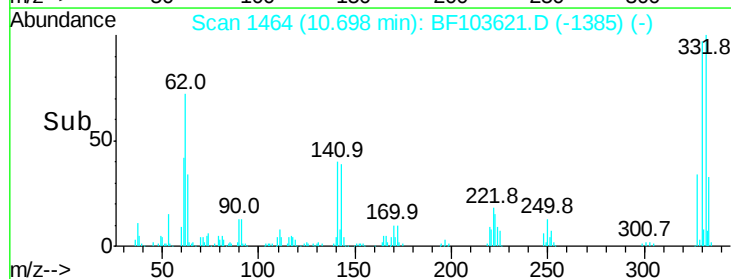
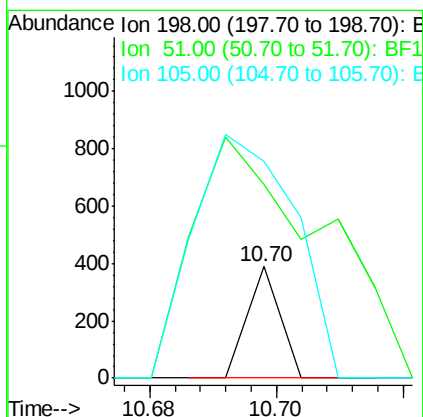
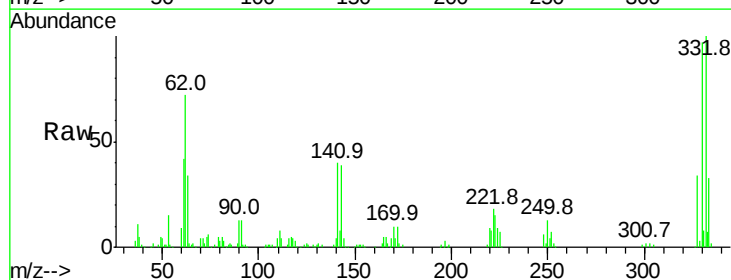
Instrument :
BNA_F
ClientSampleId :

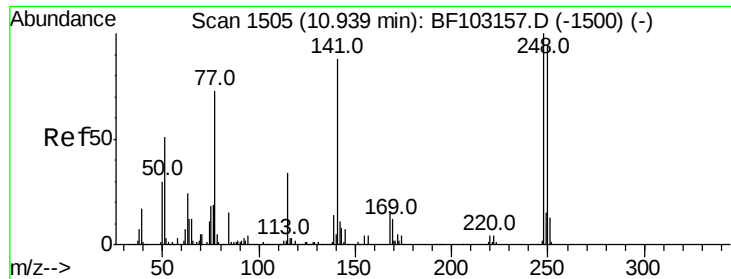
Tot Ion:188 Resp: 490182
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 4.987 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Tgt Ion:198 Resp: 137
Ion Ratio Lower Upper
198 100
51 173.5 37.7 77.7#
105 194.6 36.3 76.3#

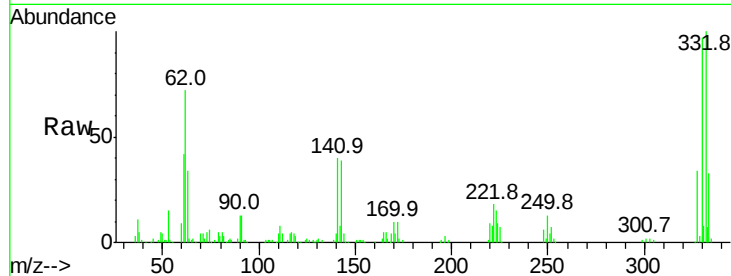




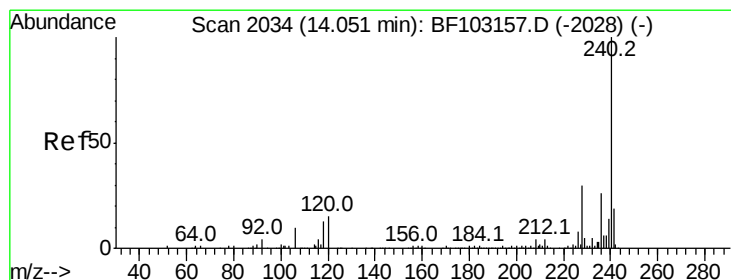
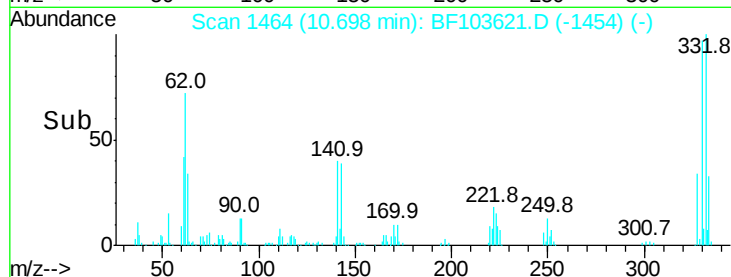
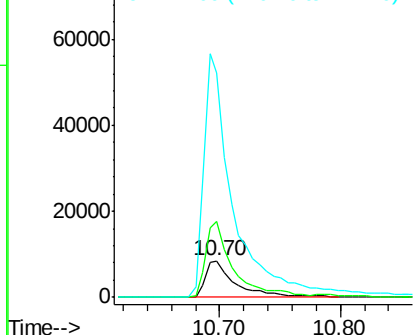
#66
4-Bromophenyl-phenylether
Concen: 2.849 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14546
Ion Ratio Lower Upper
248 100
250 207.3 76.9 115.3#
141 612.2 74.4 111.6#

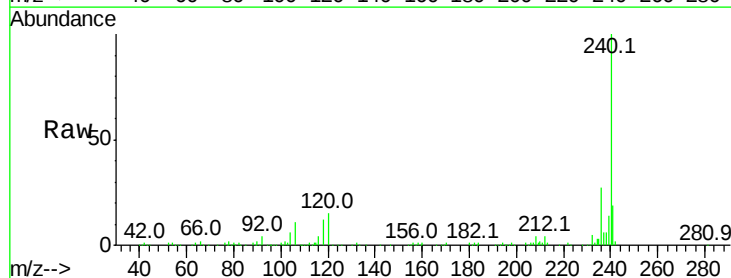


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

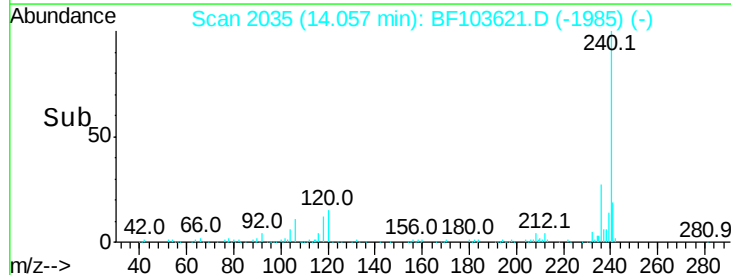
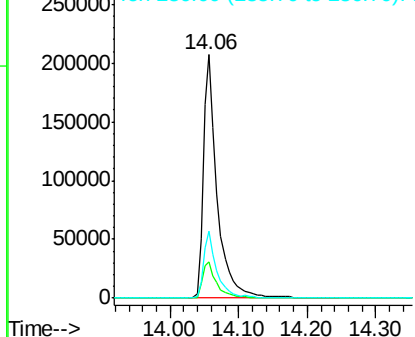


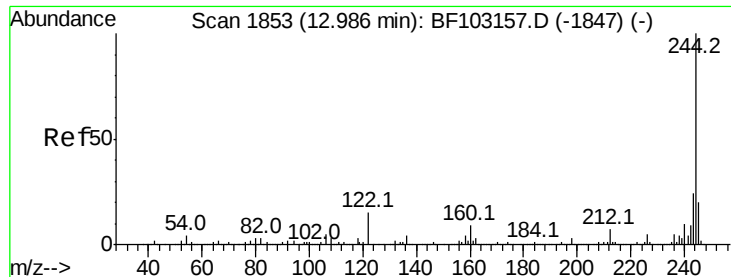
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103621.D
Acq: 13 Mar 2018 22:49

Tgt Ion:240 Resp: 293925
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 27.5 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: 83.961 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

Instrument :

BNA_F

ClientSampled :

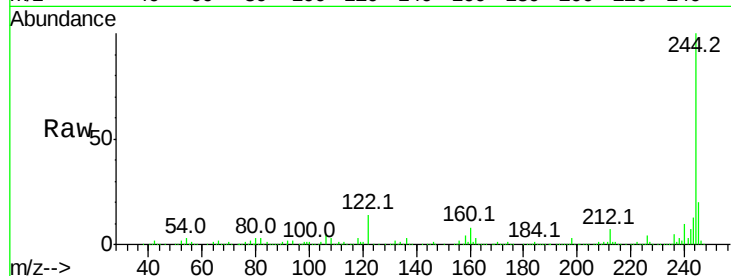
Tot Ion:244 Resp: 1026611

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

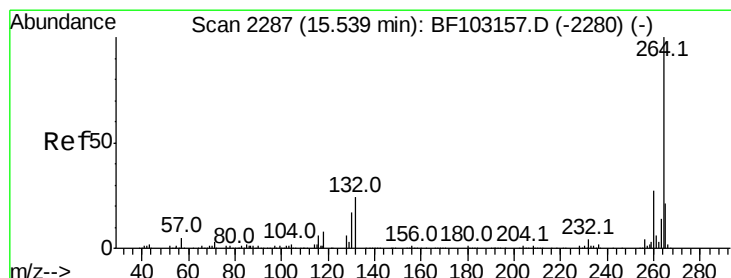
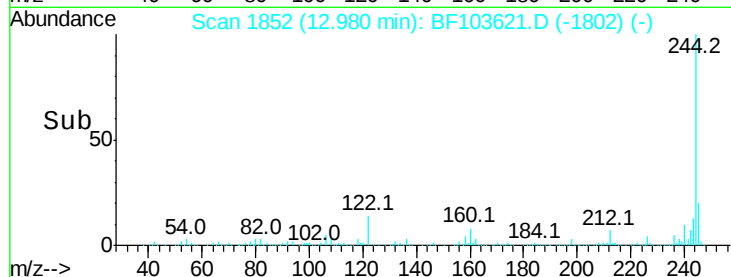
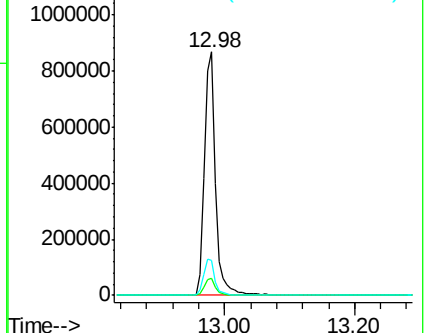
122 14.5 11.0 16.4



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: 15.57 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BF103621.D

Acq: 13 Mar 2018 22:49

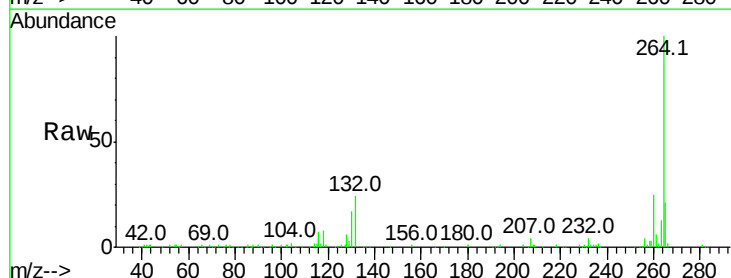
Tgt Ion:264 Resp: 245656

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 20.7 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

