

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103590.D
 Acq On : 12 Mar 2018 19:02
 Operator : SJ/JU
 Sample : J1867-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:19:01 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	138096	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	595768	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	247876	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	447131	20.00	ng	0.00
75) Chrysene-d12	14.06	240	375914	20.00	ng	0.00
86) Perylene-d12	15.56	264	352077	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	523756	57.36	ng	0.00
7) Phenol-d6	6.51	99	405480	36.29	ng	0.00
23) Nitrobenzene-d5	7.43	82	1073909	102.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	282041	134.42	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1417152	103.74	ng	0.00
78) Terphenyl-d14	12.99	244	1274543	81.50	ng	0.00

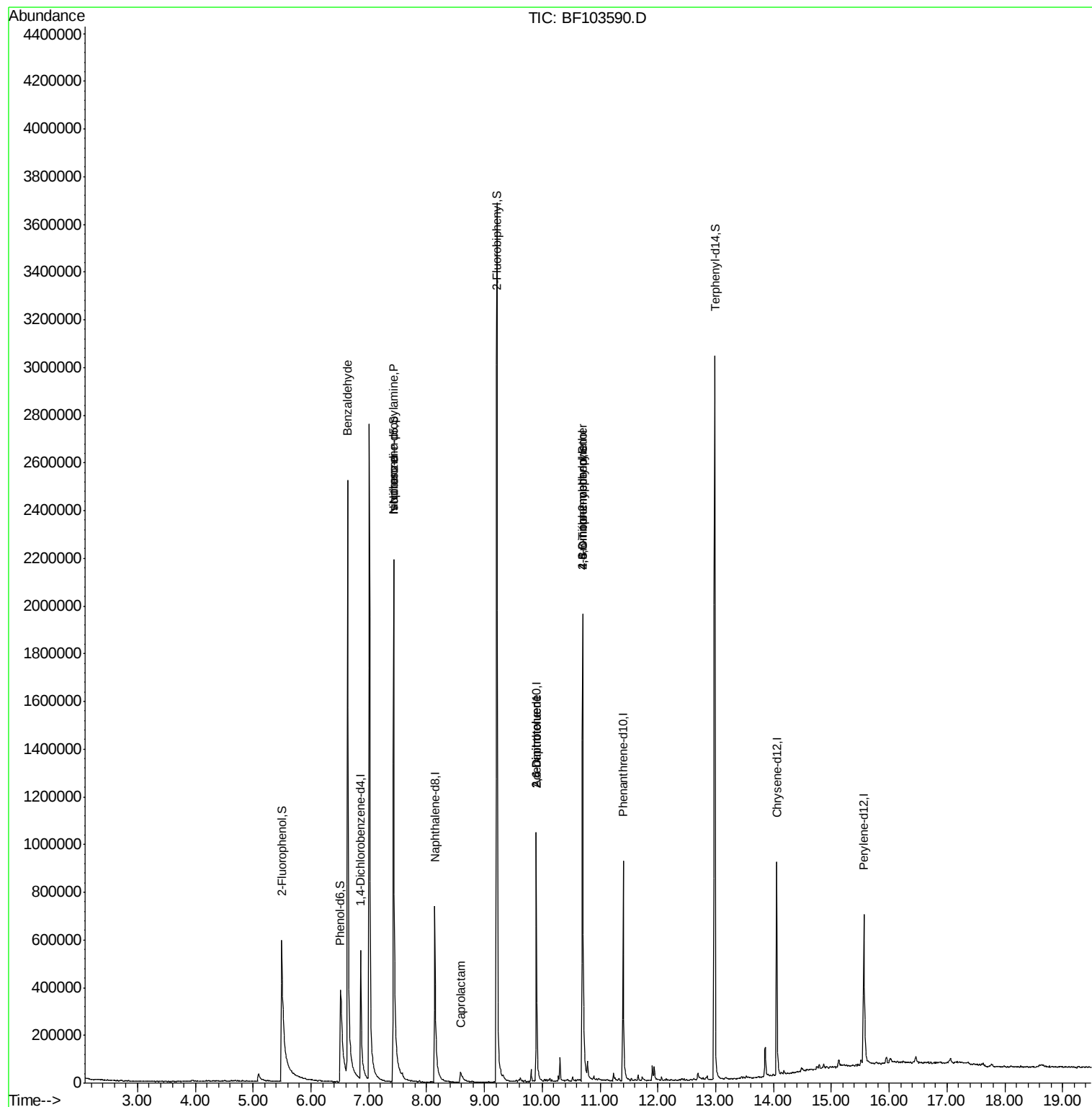
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	23422	2.239	ng	# 78
19) n-Nitroso-di-n-propylamine	7.43	70	137651	19.796	ng	# 84
25) Isophorone	7.43	82	1073909	52.268	ng	# 64
35) Caprolactam	8.59	113	12439	4.473	ng	# 88
50) 2,6-Dinitrotoluene	9.90	165	30700	7.357	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	30966	5.867	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	475	5.102	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18808	4.038	ng	# 1

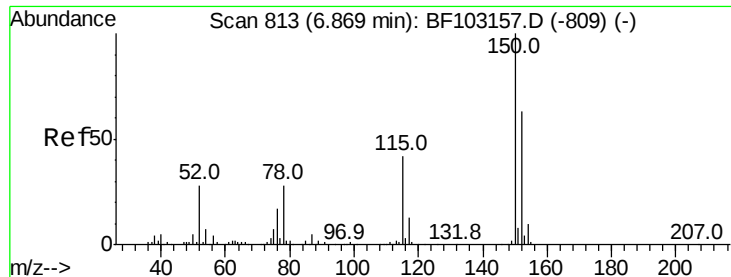
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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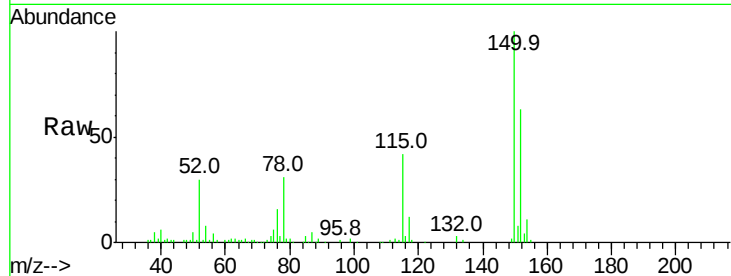


#1

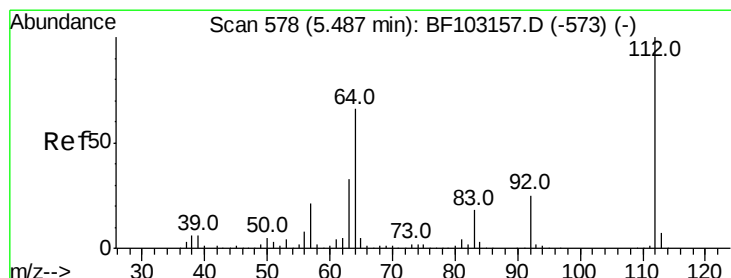
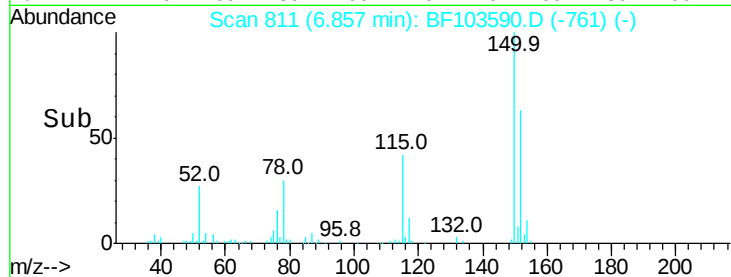
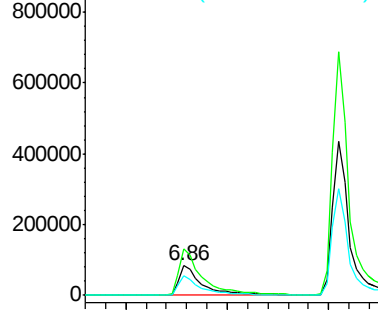
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138096
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 66.3 50.1 75.1



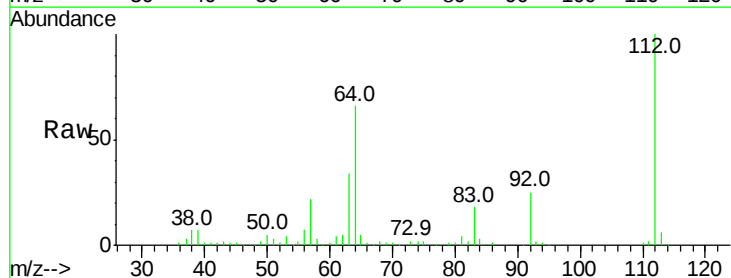
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



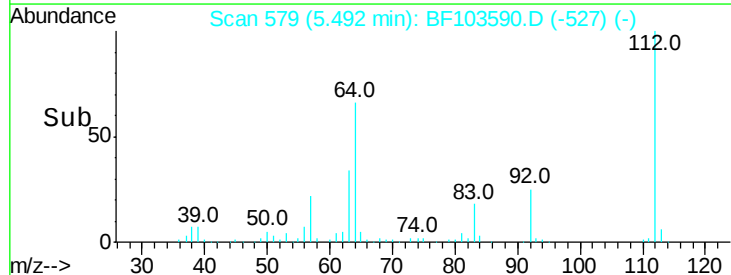
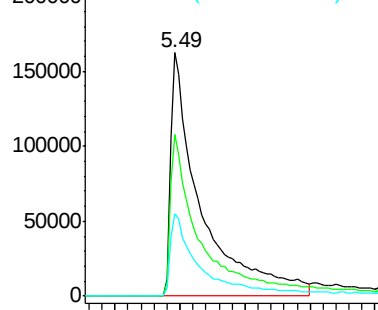
#5

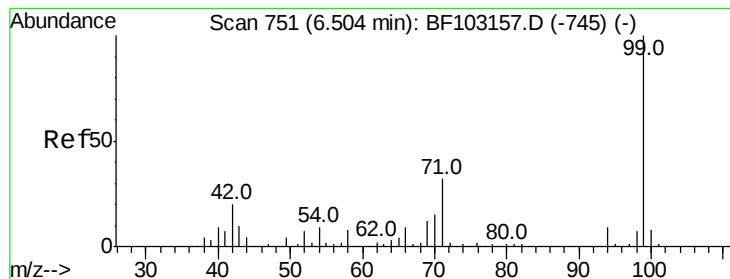
2-Fluorophenol
Concen: 57.362 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Tgt Ion:112 Resp: 523756
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 33.8 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: 36.292 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103590.D

Acq: 12 Mar 2018 19:02

Instrument :

BNA_F

ClientSampleId :

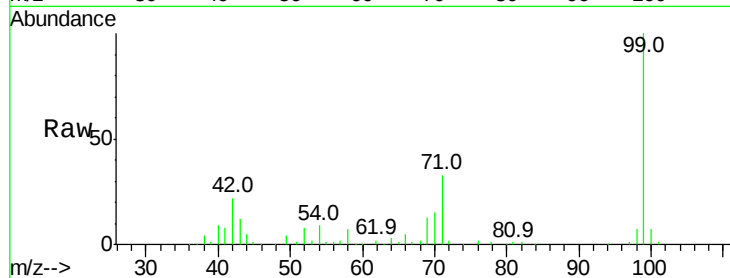
Tot Ion: 99 Resp: 405480

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

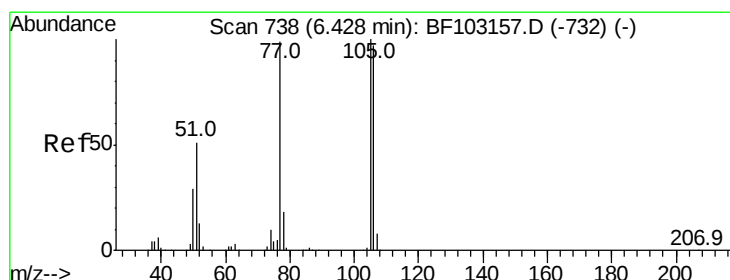
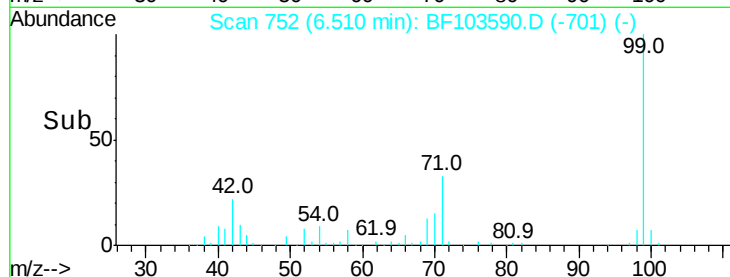
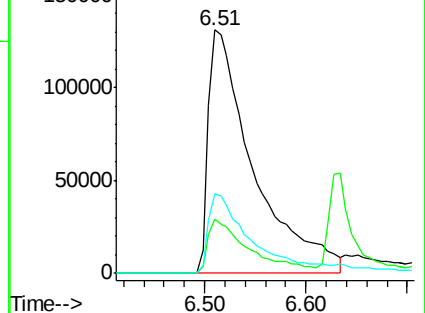
71 32.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.239 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF103590.D

Acq: 12 Mar 2018 19:02

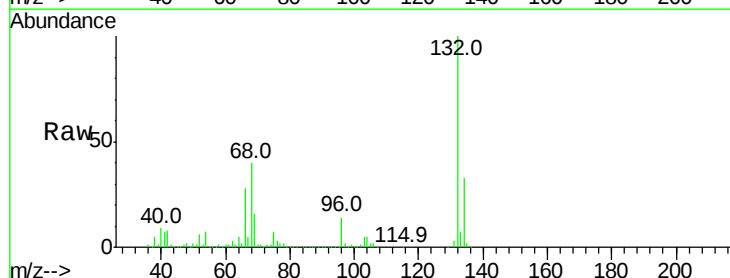
Tgt Ion: 77 Resp: 23422

Ion Ratio Lower Upper

77 100

105 81.4 81.1 121.1

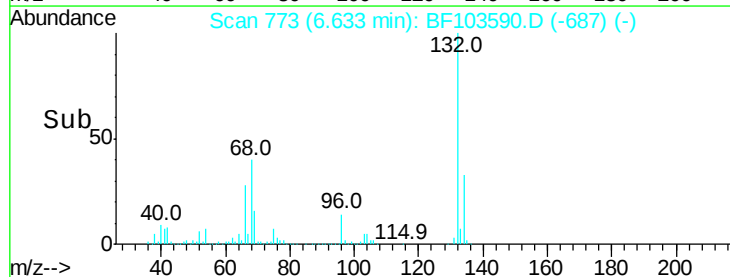
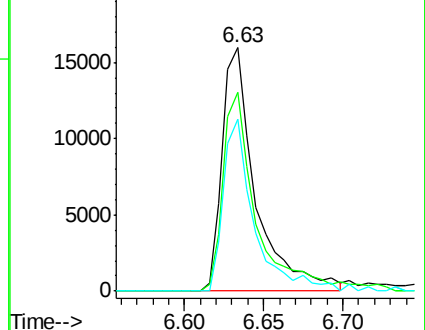
106 70.5 74.5 114.5#

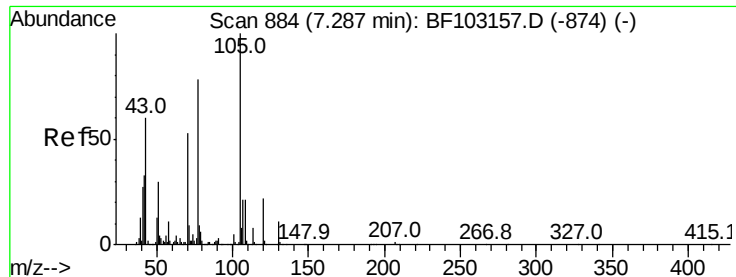


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 19.796 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103590.D

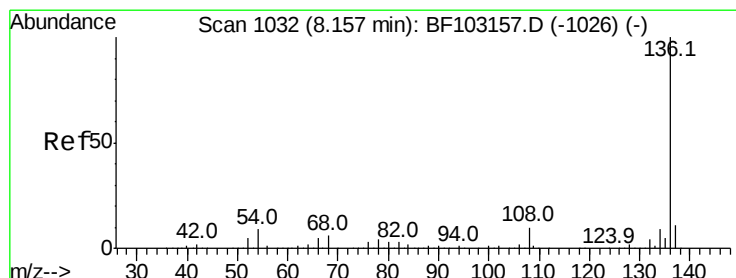
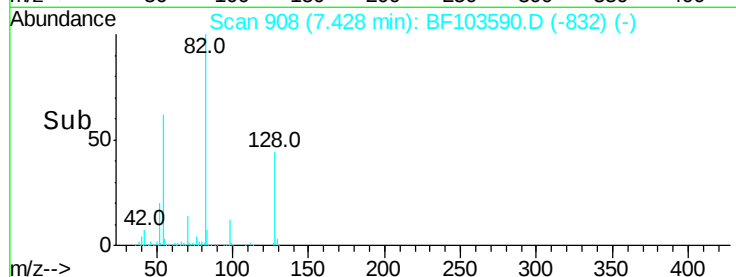
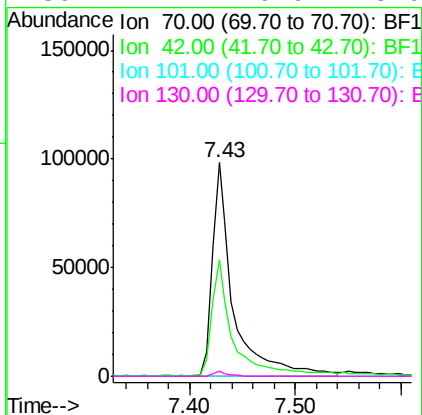
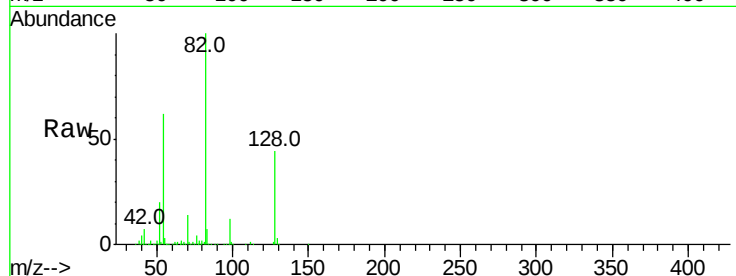
Acq: 12 Mar 2018 19:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:	70	Resp:	137651
Ion	Ratio	Lower	Upper
70	100		
42	54.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

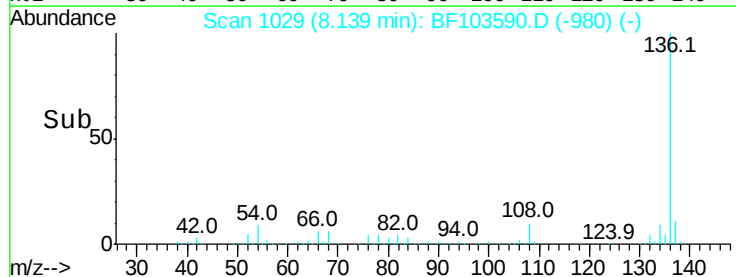
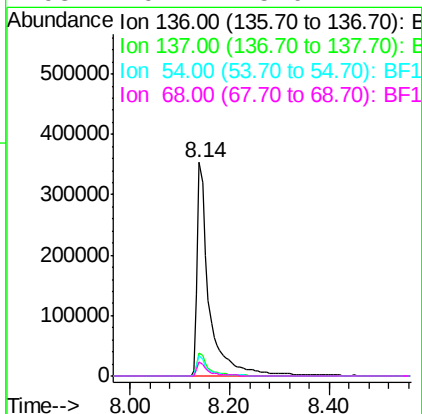
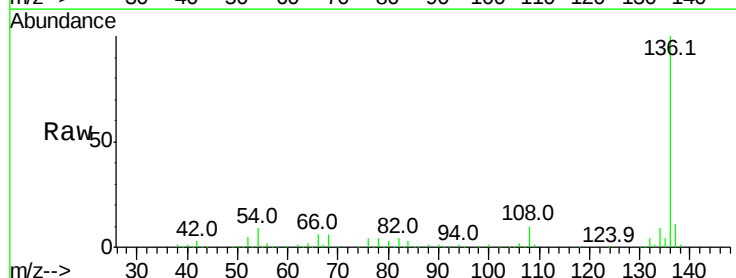
RT: 8.14 min Scan# 1029

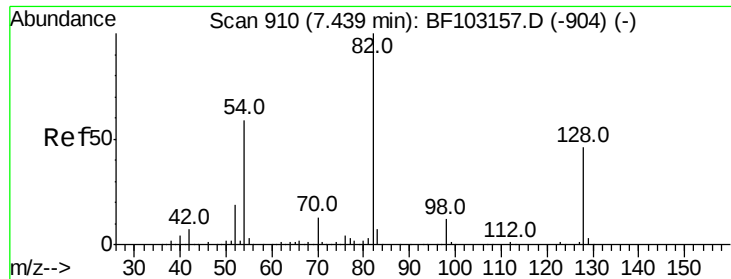
Delta R.T. -0.01 min

Lab File: BF103590.D

Acq: 12 Mar 2018 19:02

Tgt Ion:	136	Resp:	595768
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.4	5.0	7.4

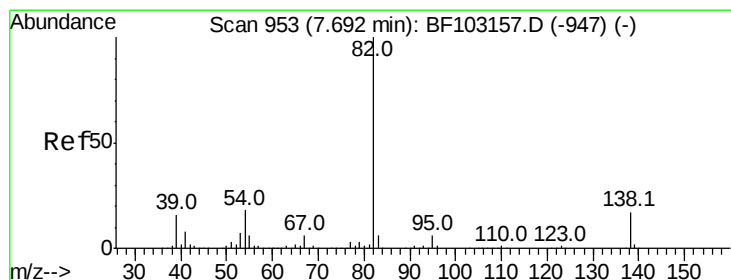
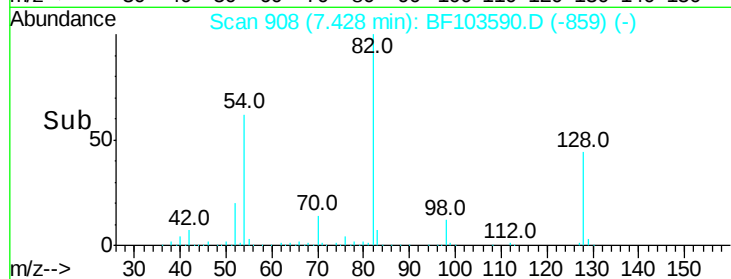
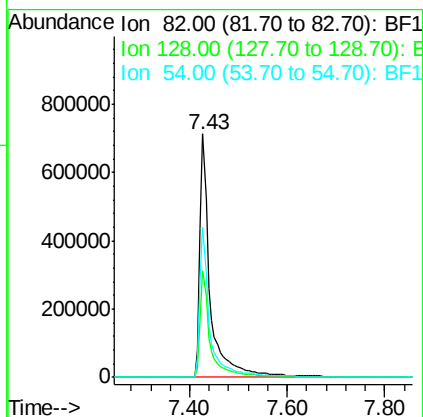
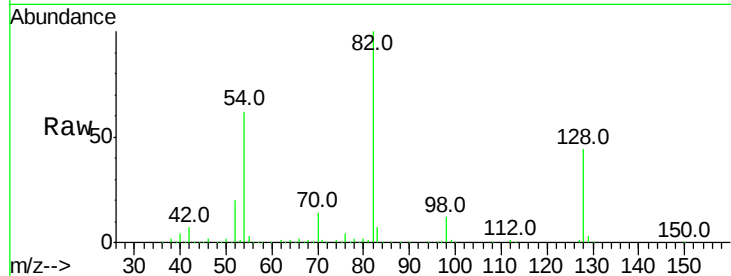




#23
 Nitrobenzene-d5
 Concen: 102.942 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

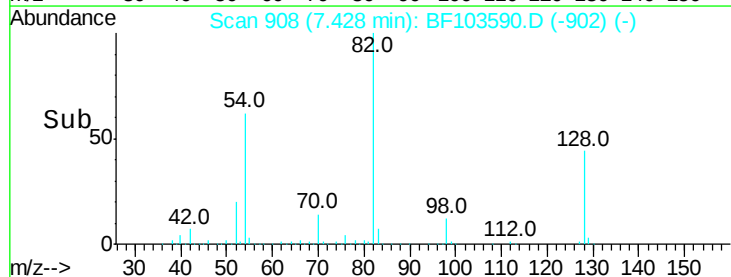
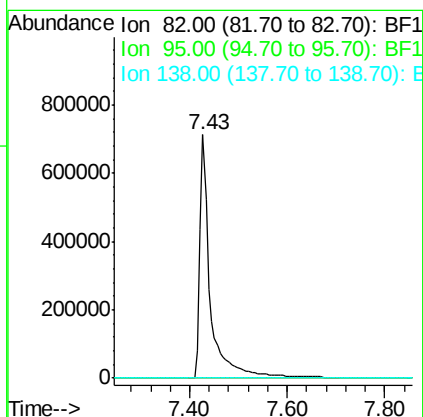
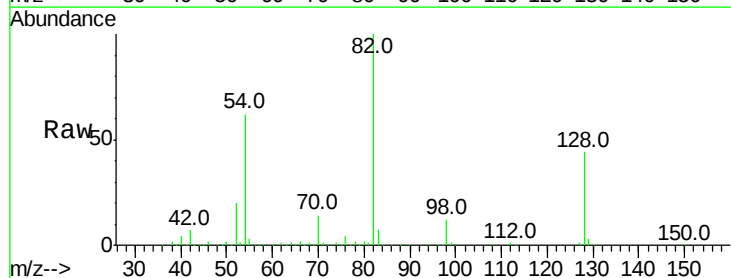
Instrument :
 BNA_F
 ClientSampleId :

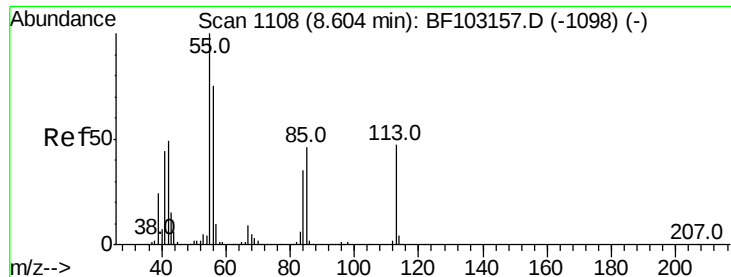
Tot Ion: 82 Resp: 1073909
 Ion Ratio Lower Upper
 82 100
 128 44.0 36.1 54.1
 54 61.9 41.4 62.2



#25
 Isophorone
 Concen: 52.268 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

Tgt Ion: 82 Resp: 1073909
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

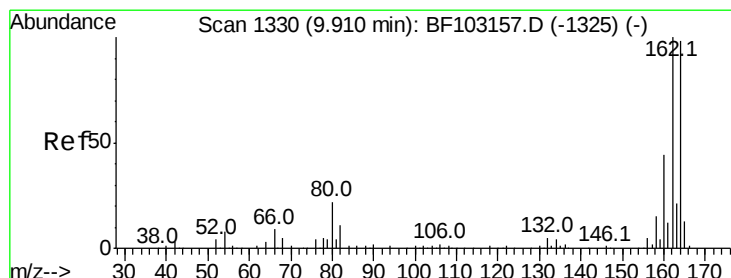
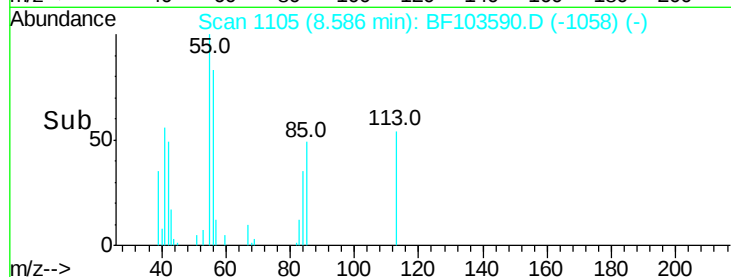
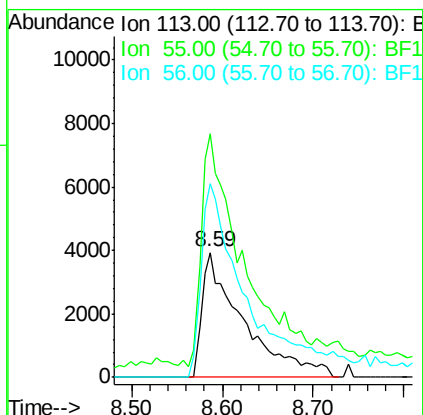
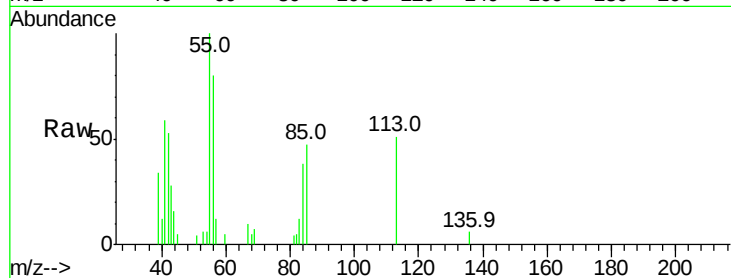




#35
 Caprolactam
 Concen: 4.473 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

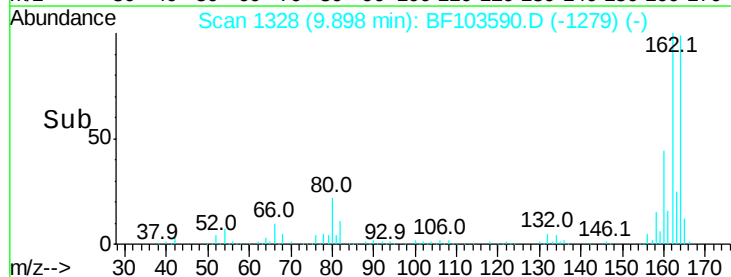
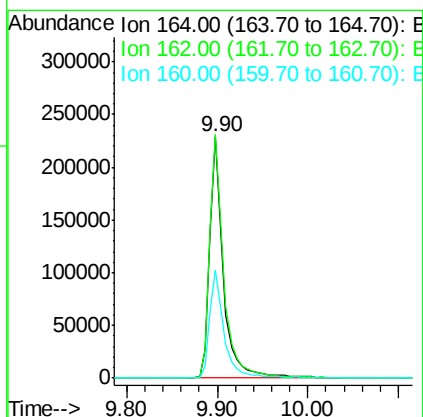
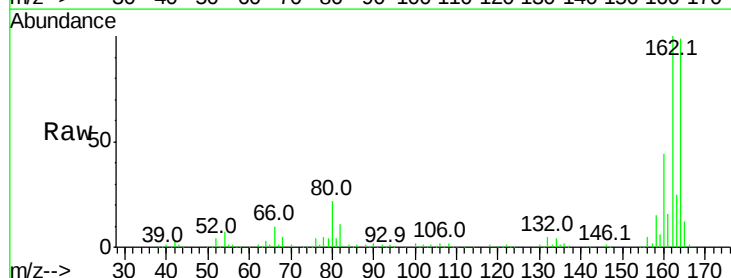
Instrument :
 BNA_F
 ClientSampled :

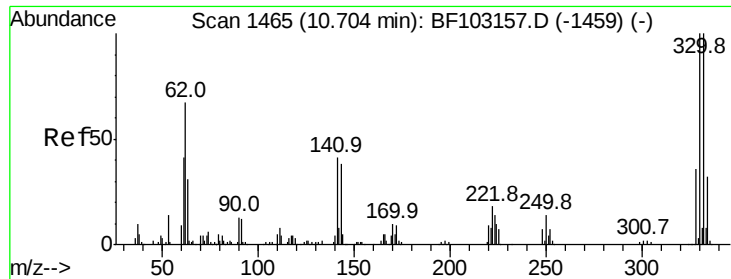
Tot Ion:113 Resp: 12439
 Ion Ratio Lower Upper
 113 100
 55 195.0 163.3 203.3
 56 155.4 115.7 155.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

Tgt Ion:164 Resp: 247876
 Ion Ratio Lower Upper
 164 100
 162 100.8 86.1 129.1
 160 44.5 38.3 57.5

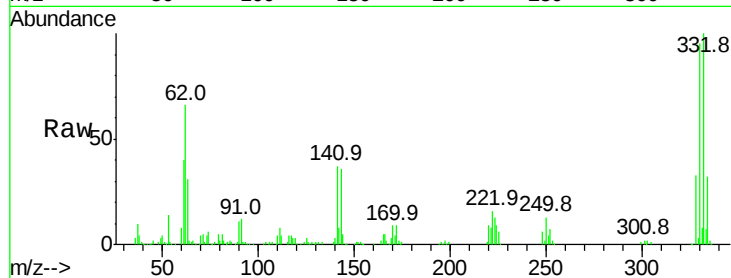




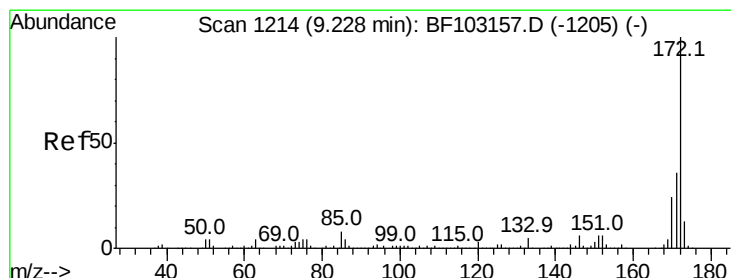
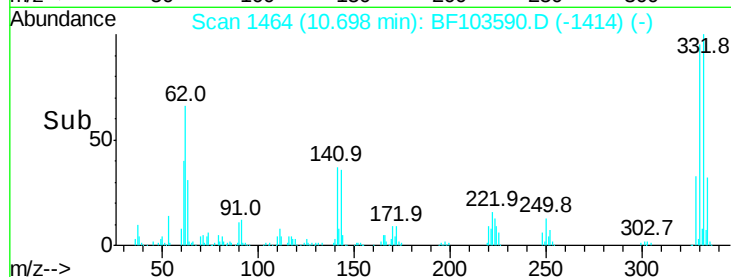
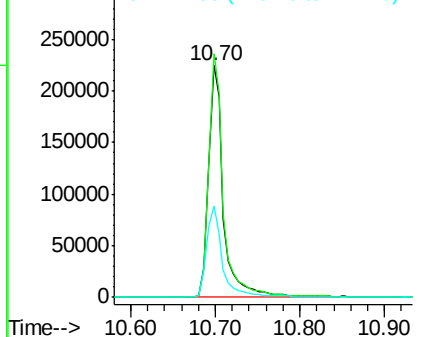
#41
 2,4,6-Tribromophenol
 Concen: 134.425 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282041
 Ion Ratio Lower Upper
 330 100
 332 101.6 77.0 115.6
 141 41.5 29.9 44.9

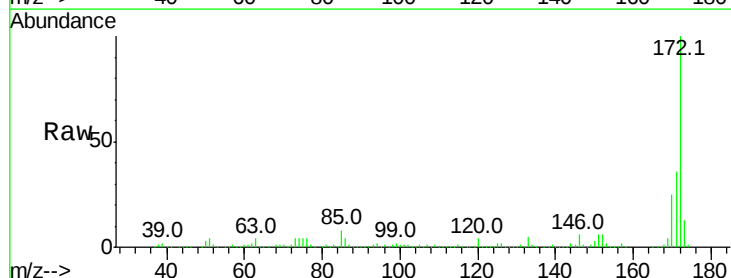


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

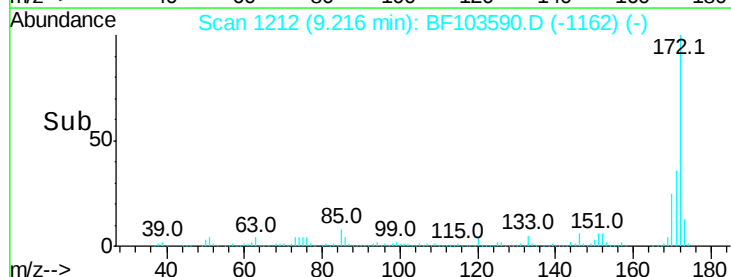
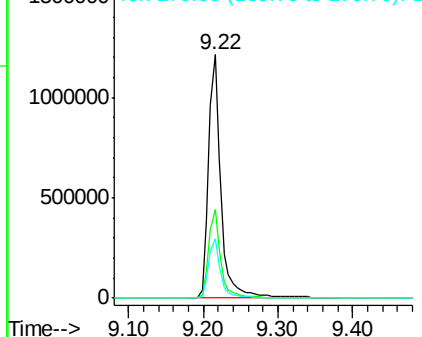


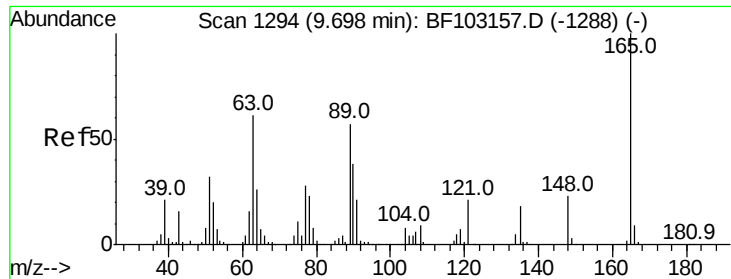
#44
 2-Fluorobiphenyl
 Concen: 103.737 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103590.D
 Acq: 12 Mar 2018 19:02

Tgt Ion:172 Resp: 1417152
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 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

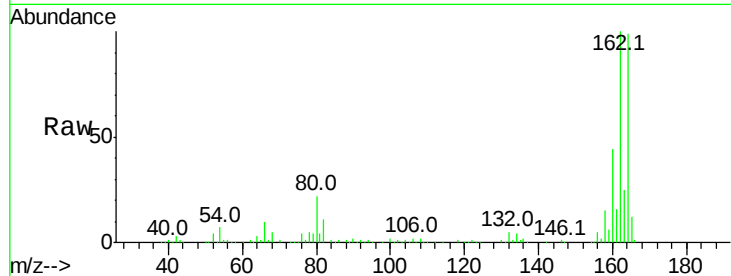




#50
2,6-Dinitrotoluene
Concen: 7.357 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Instrument :
BNA_F
ClientSampleId :

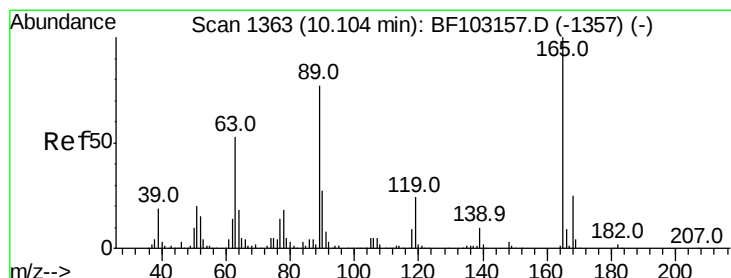
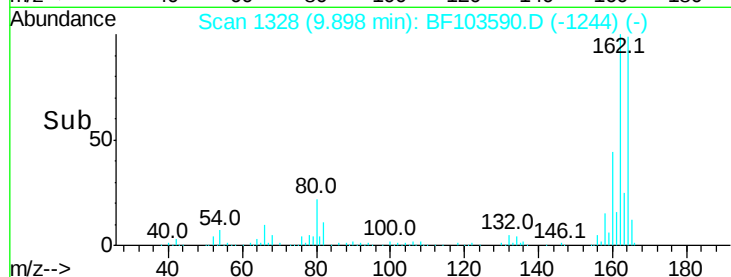
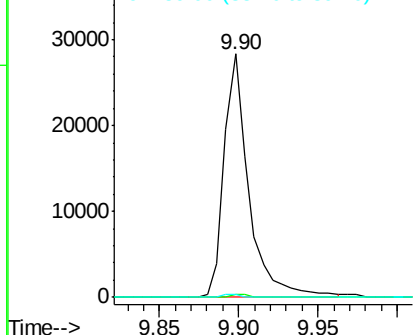
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.3	44.0	66.0#



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: 5.867 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

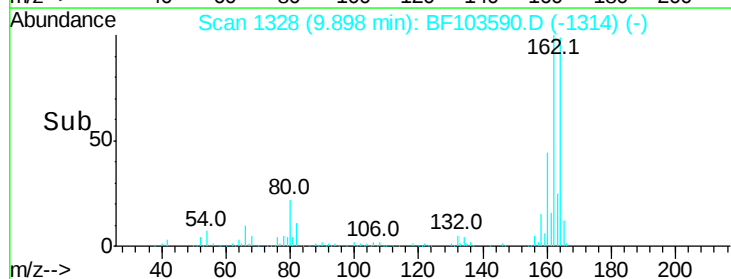
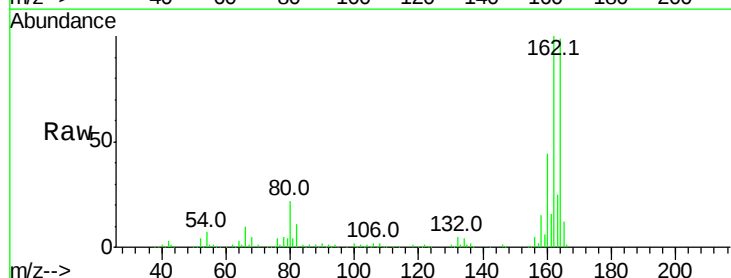
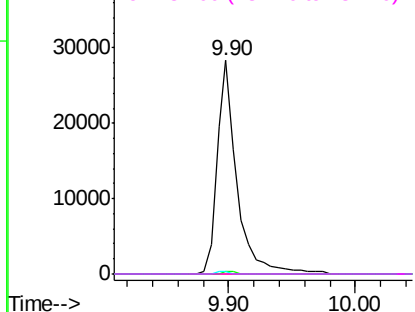
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

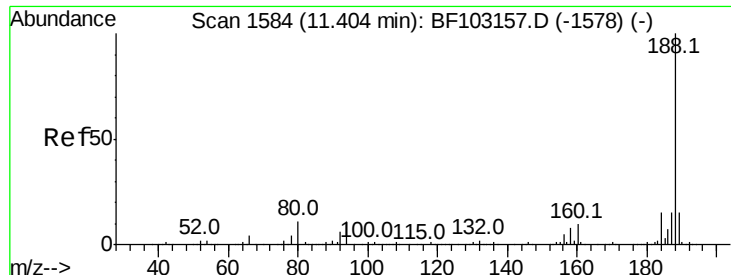
Abundance Ion 165.00 (164.70 to 165.70): E

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

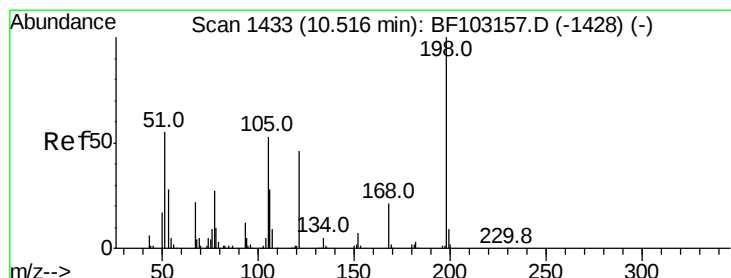
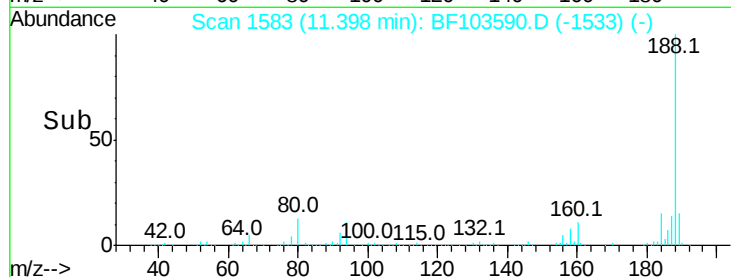
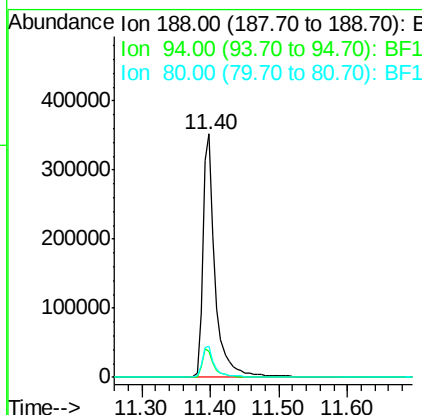
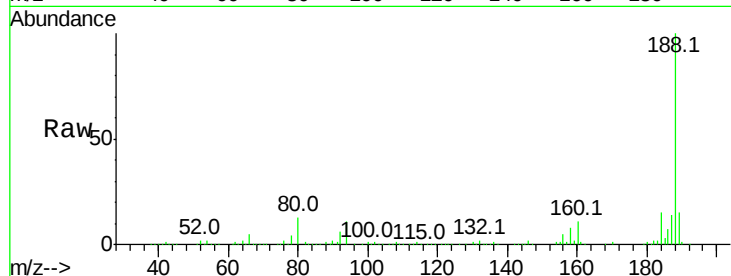




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

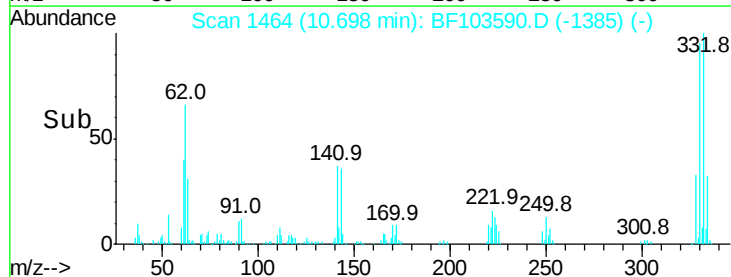
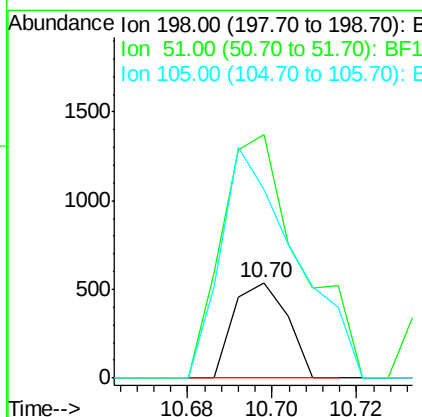
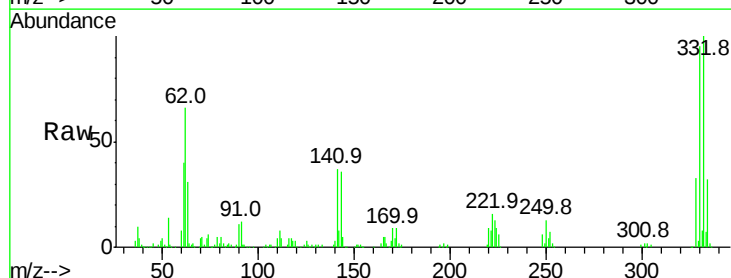
Instrument :
BNA_F
ClientSampleId :

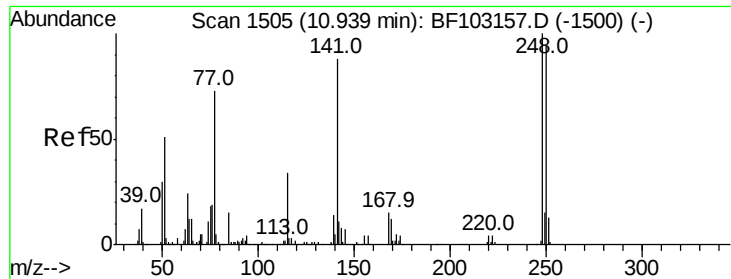
Tot Ion:188 Resp: 447131
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 12.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.102 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Tgt Ion:198 Resp: 475
Ion Ratio Lower Upper
198 100
51 255.5 37.7 77.7#
105 197.8 36.3 76.3#

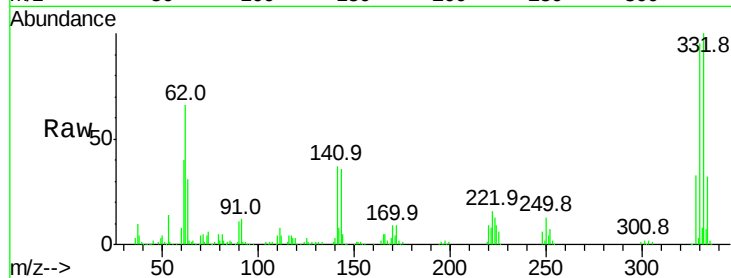




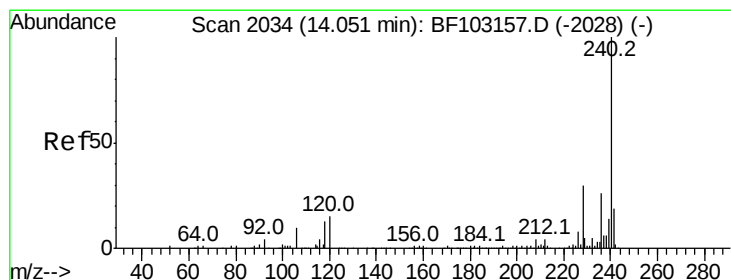
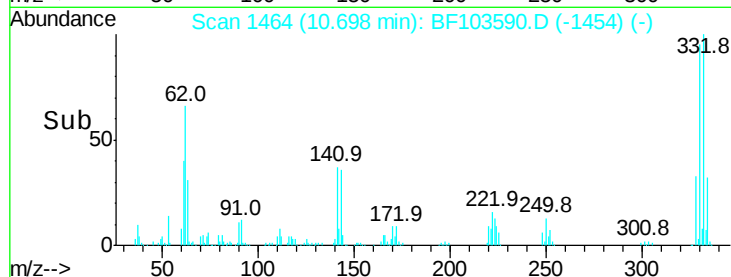
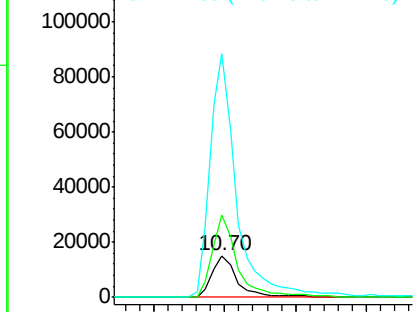
#66
4-Bromophenyl-phenylether
Concen: 4.038 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18808
Ion Ratio Lower Upper
248 100
250 197.8 76.9 115.3#
141 582.3 74.4 111.6#

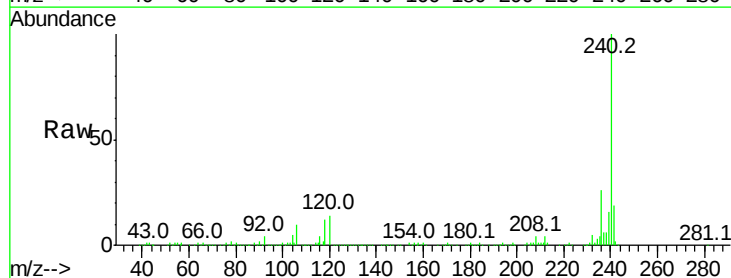


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

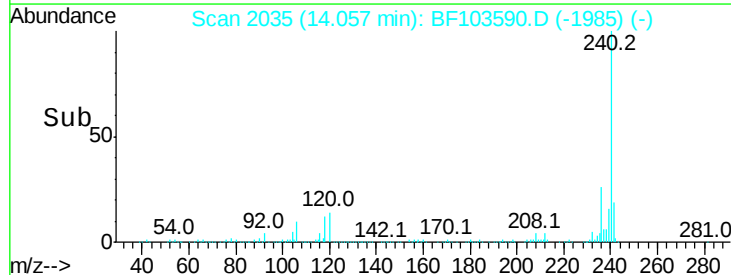
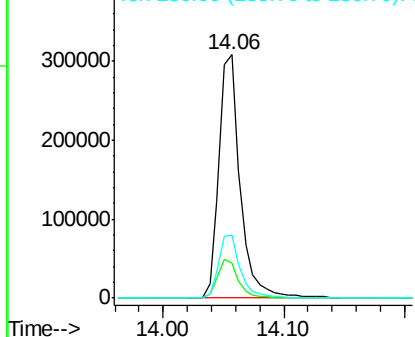


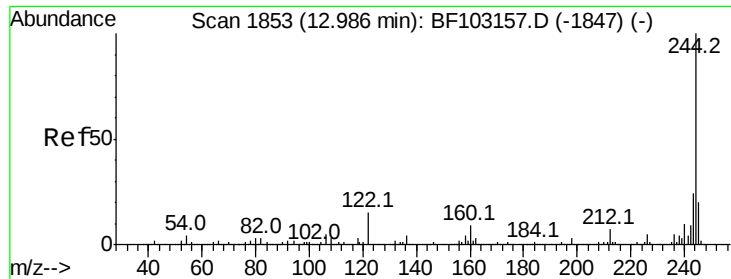
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103590.D
Acq: 12 Mar 2018 19:02

Tgt Ion:240 Resp: 375914
Ion Ratio Lower Upper
240 100
120 14.2 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: 81.504 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103590.D

Acq: 12 Mar 2018 19:02

Instrument :

BNA_F

ClientSampleId :

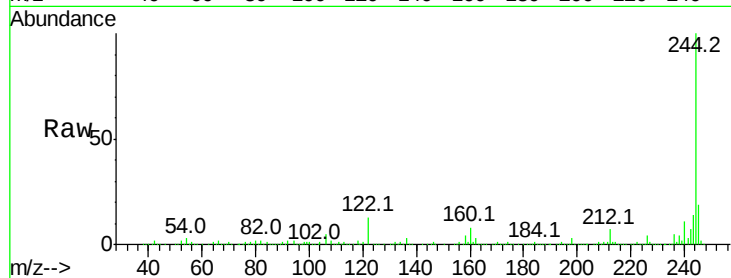
Tot Ion:244 Resp: 1274543

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

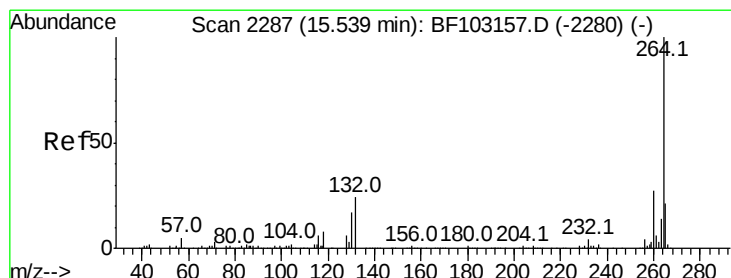
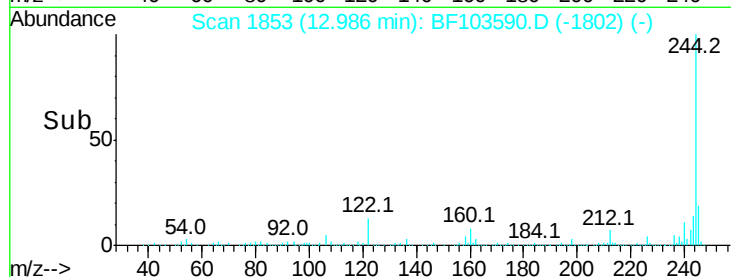
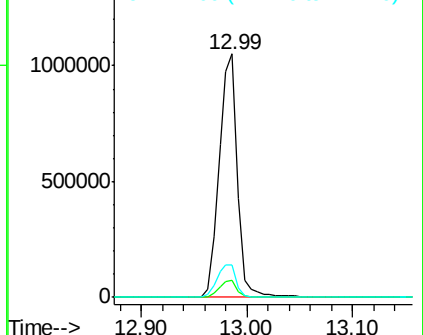
122 13.4 11.0 16.4



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: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF103590.D

Acq: 12 Mar 2018 19:02

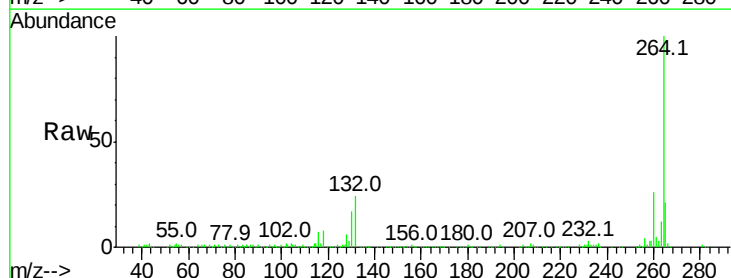
Tgt Ion:264 Resp: 352077

Ion Ratio Lower Upper

264 100

260 26.1 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

