

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103629.D
 Acq On : 14 Mar 2018 4:36
 Operator : SJ/JU
 Sample : J1894-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 11:11:35 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

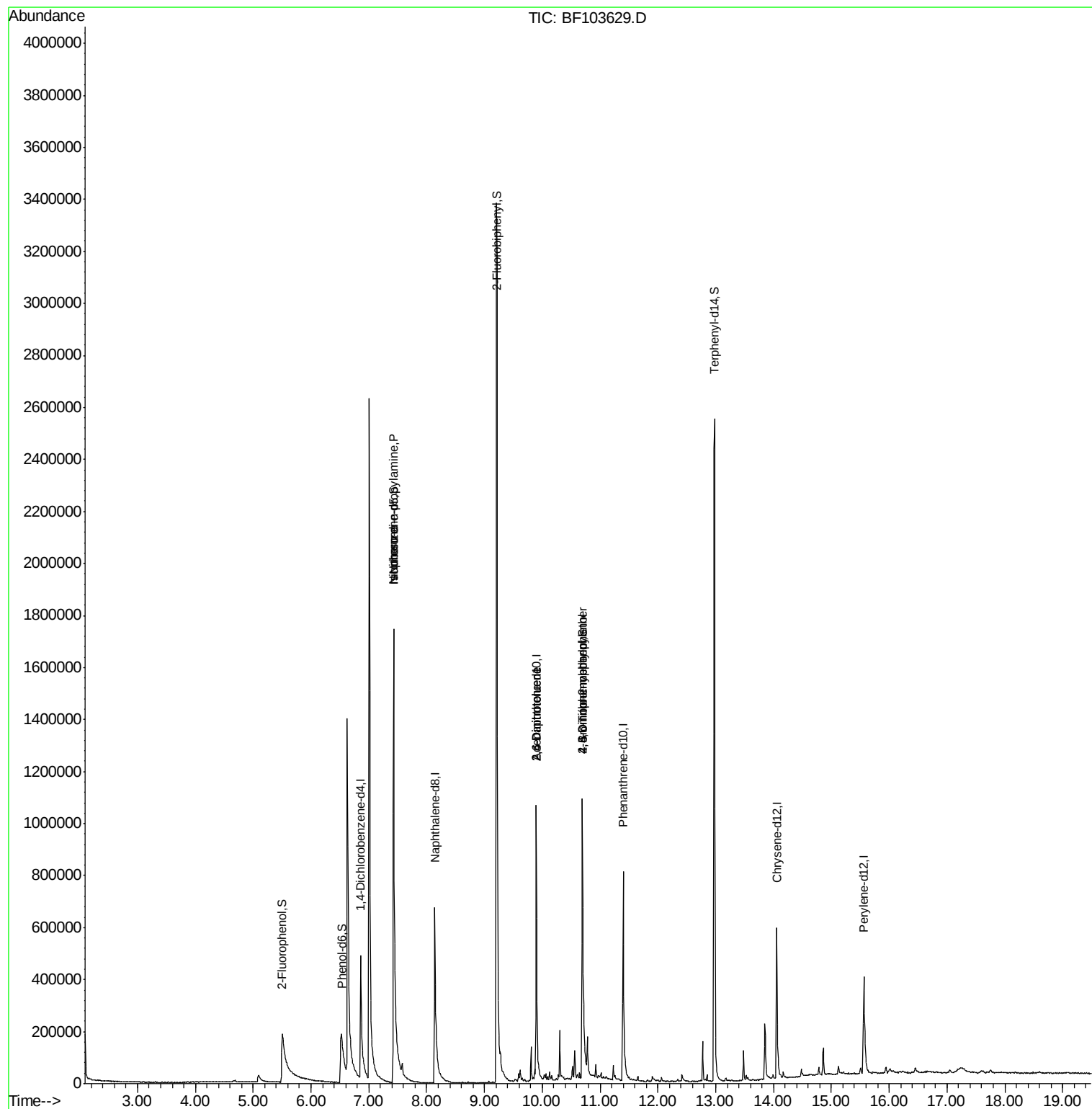
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	145940	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	645264	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	286803	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	479937	20.00	ng	0.00
75) Chrysene-d12	14.06	240	267897	20.00	ng	0.00
86) Perylene-d12	15.56	264	256588	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	284283	29.46	ng	0.02
7) Phenol-d6	6.52	99	289570	24.52	ng	0.01
23) Nitrobenzene-d5	7.43	82	1038342	91.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	174330	71.81	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1509590	92.59	ng	-0.01
78) Terphenyl-d14	12.98	244	1009172	90.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	131291	17.866	ng	# 83
25) Isophorone	7.43	82	1048050	47.096	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	34751	7.197	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	35021	5.735	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.69	198	363	5.057	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12828	2.566	ng	# 1

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

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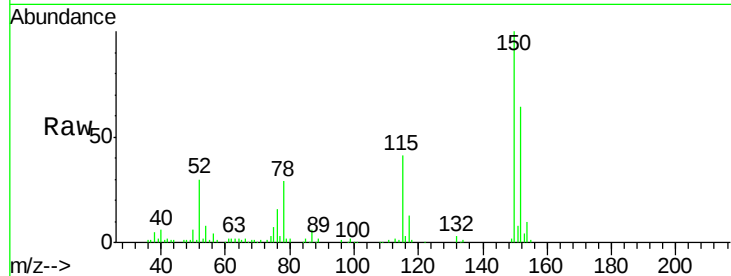


#1

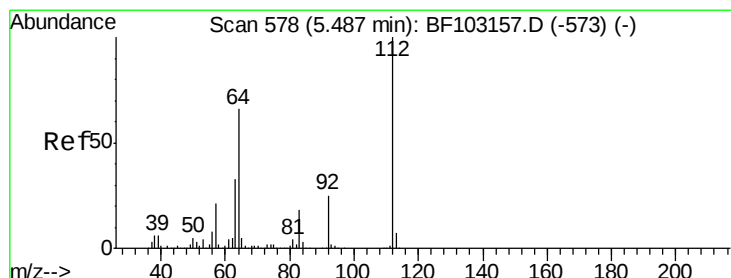
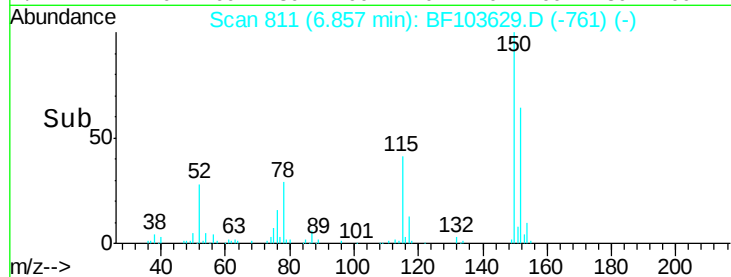
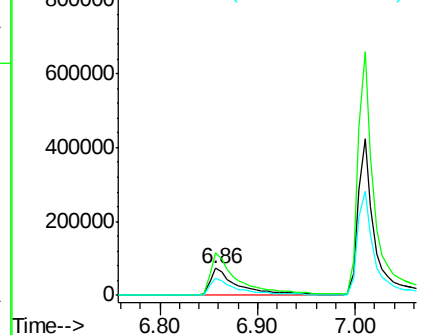
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	64.8	50.1	75.1



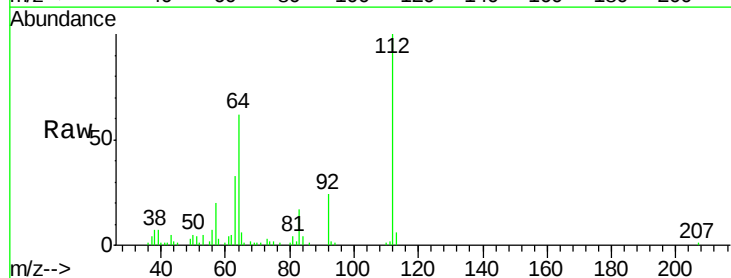
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



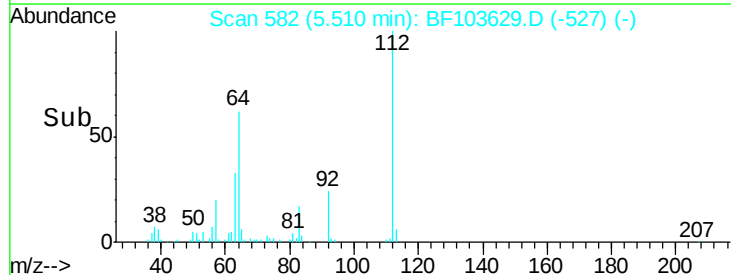
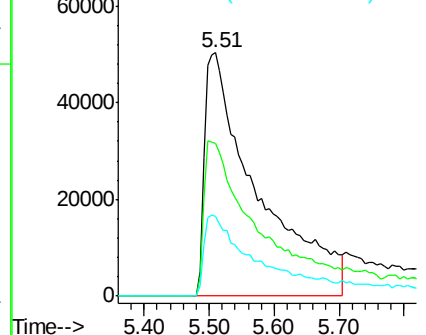
#5

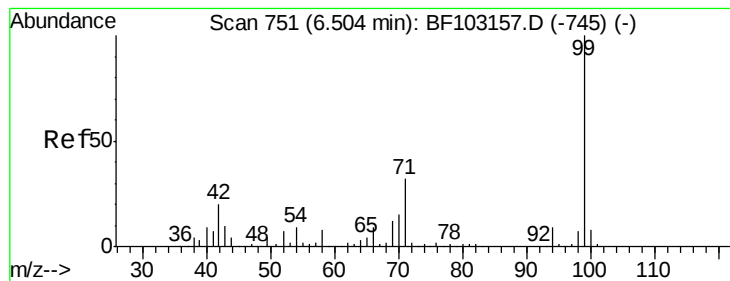
2-Fluorophenol
Concen: 29.461 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	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: 24.524 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

Instrument :

BNA_F

ClientSampleId :

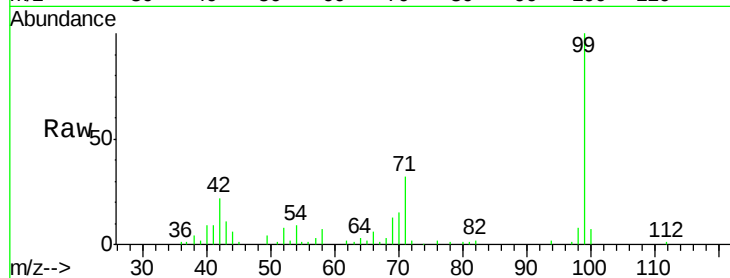
Tot Ion: 99 Resp: 289570

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

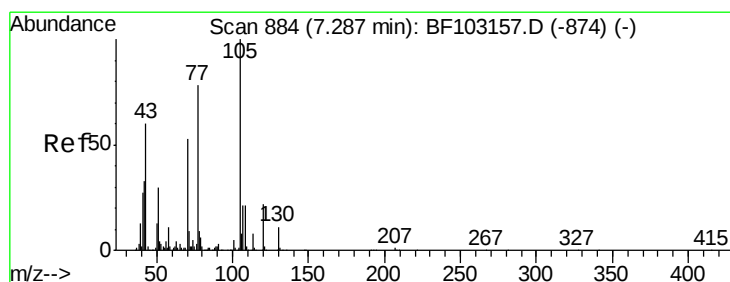
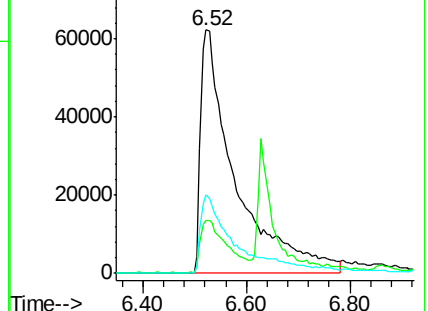
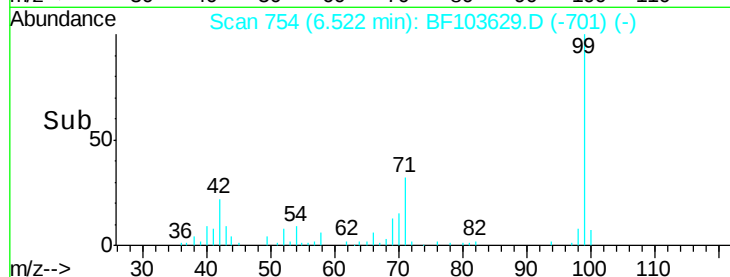
71 32.2 25.4 38.0



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: 17.866 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

Tgt Ion: 70 Resp: 131291

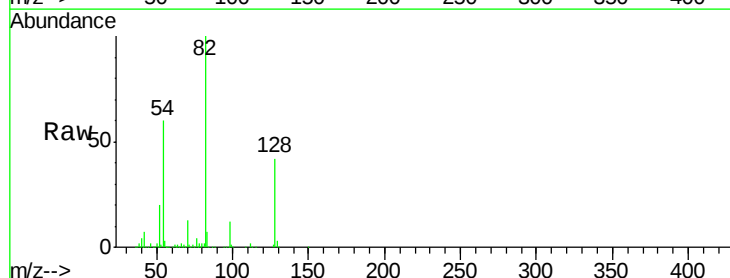
Ion Ratio Lower Upper

70 100

42 54.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

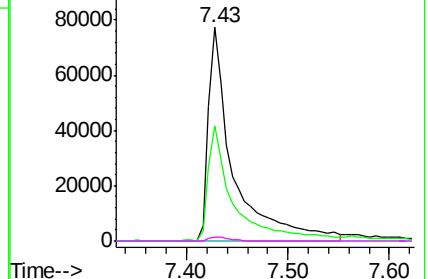
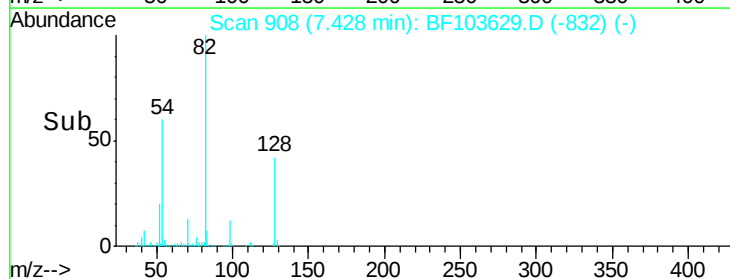


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

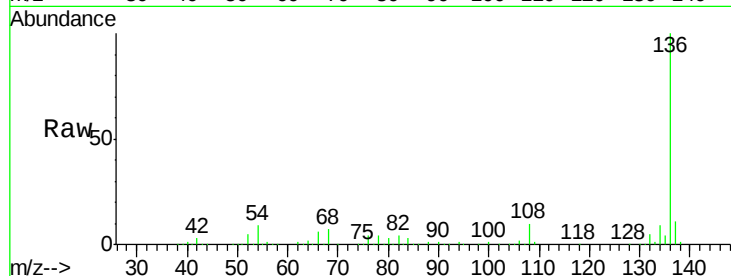




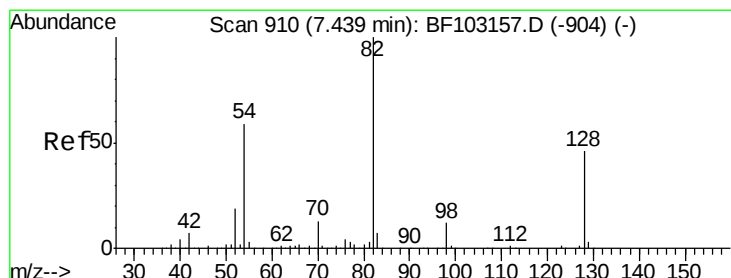
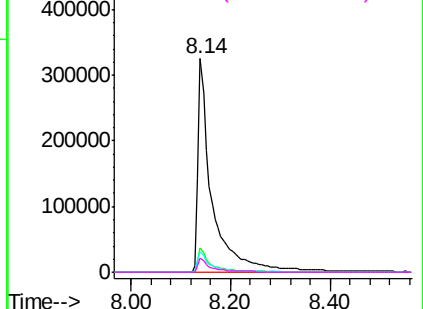
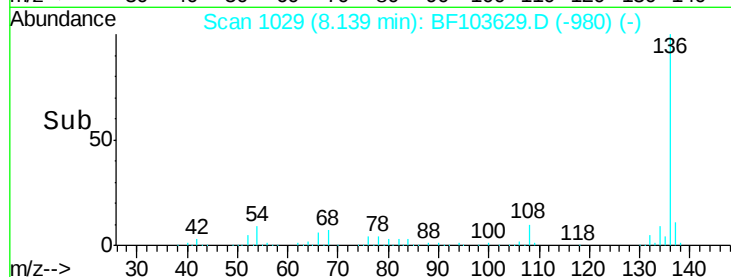
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	645264
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	9.5	6.6 9.8
68	6.6	5.0 7.4

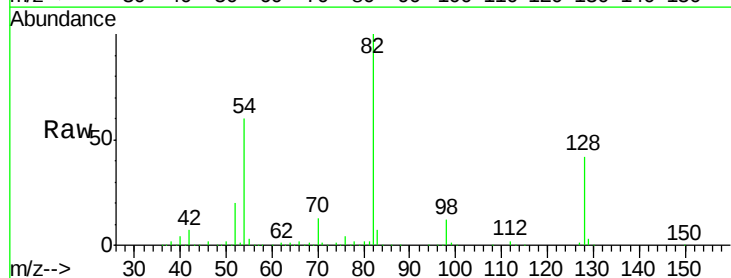


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

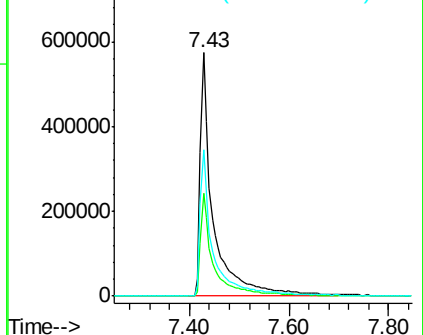
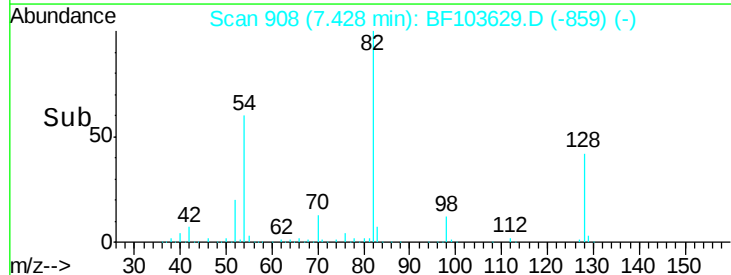


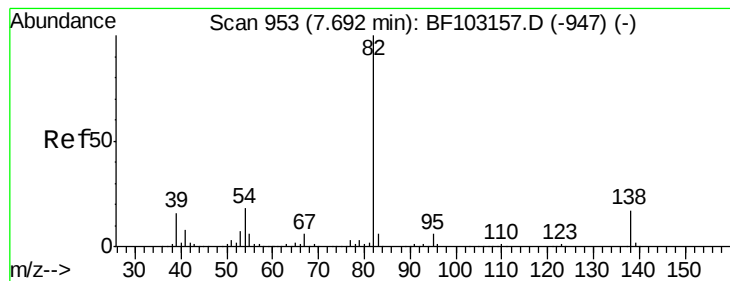
#23
Nitrobenzene-d5
Concen: 91.897 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Tgt Ion: 82	Resp:	1038342
Ion Ratio	Lower	Upper
82	100	
128	42.4	36.1 54.1
54	60.0	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: 47.096 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

Instrument :

BNA_F

ClientSampleId :

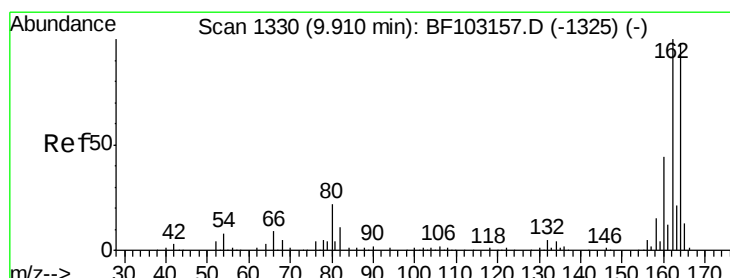
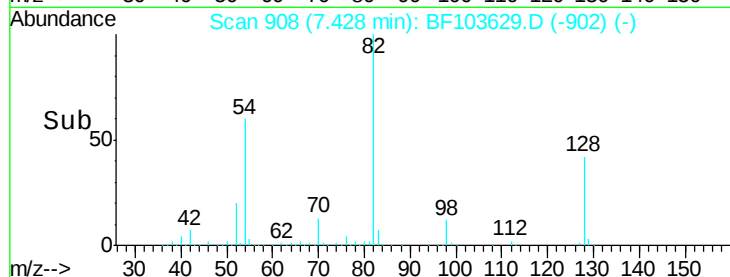
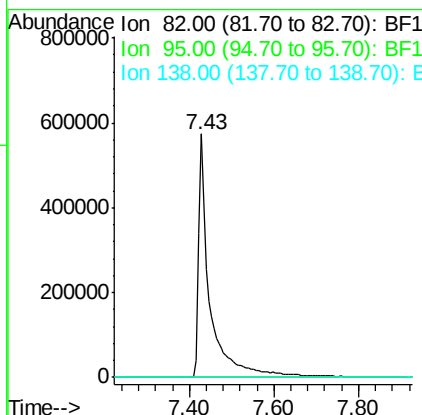
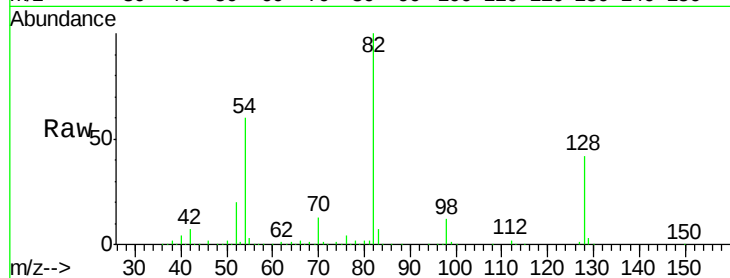
Tot Ion: 82 Resp: 1048050

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

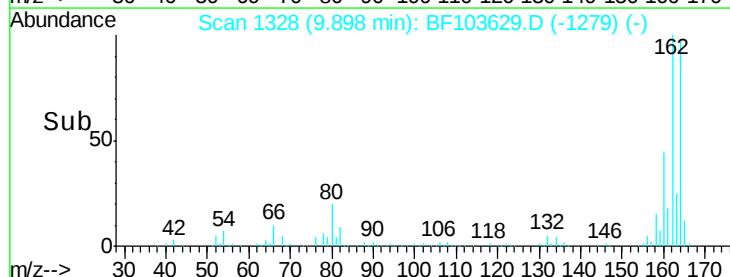
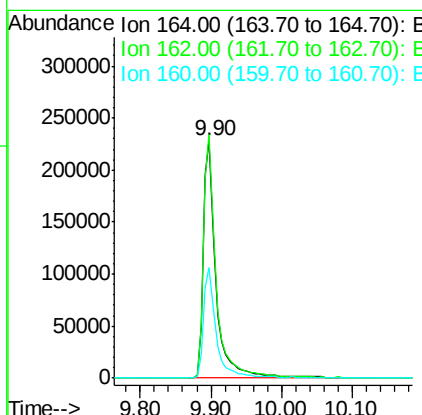
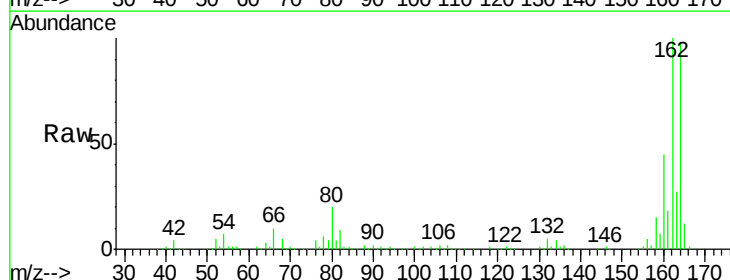
Tgt Ion:164 Resp: 286803

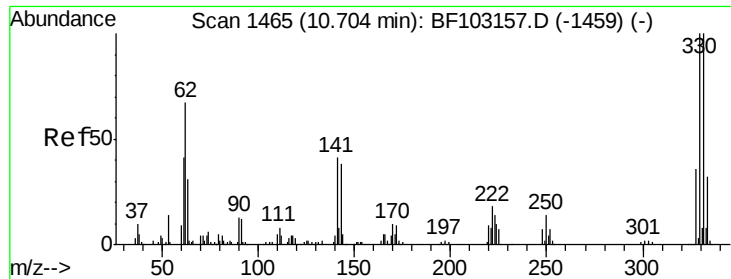
Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

160 46.3 38.3 57.5

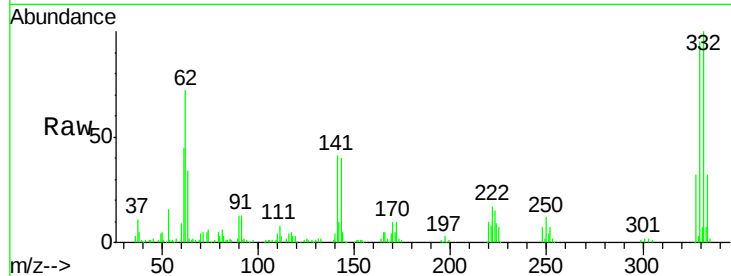




#41
 2,4,6-Tribromophenol
 Concen: 71.811 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103629.D
 Acq: 14 Mar 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.6	77.0	115.6
141	50.5	29.9	44.9

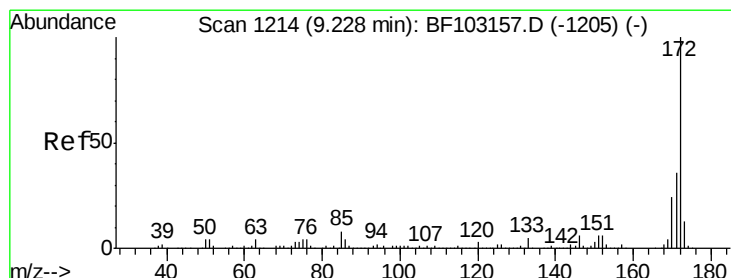
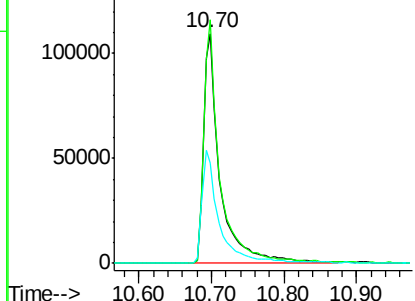
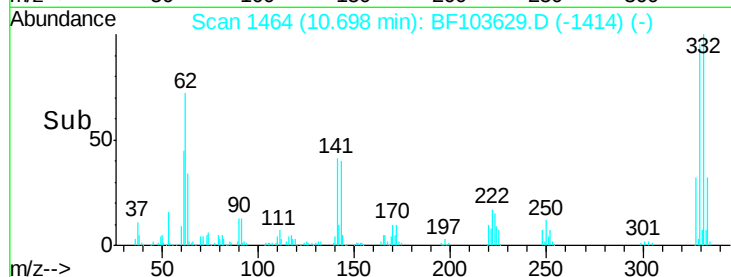


Abundance

Ion 329.80 (329.50 to 330.50): E

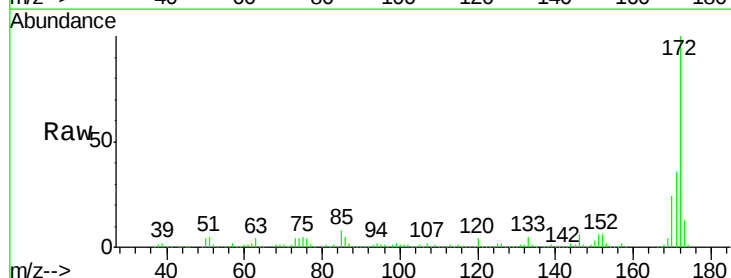
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.593 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103629.D
 Acq: 14 Mar 2018 4:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4

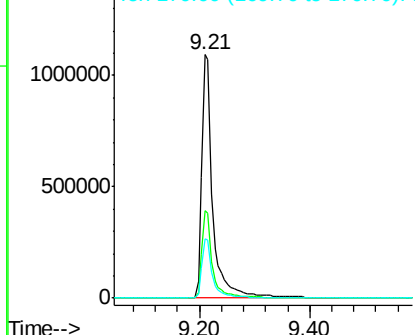
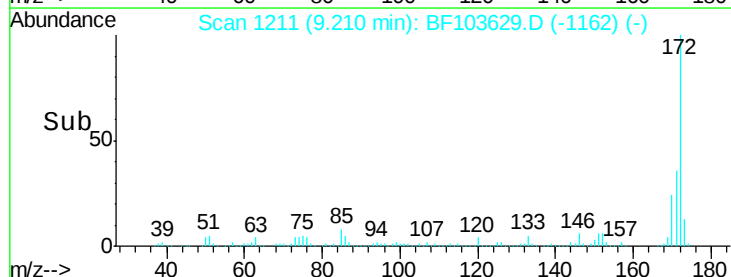


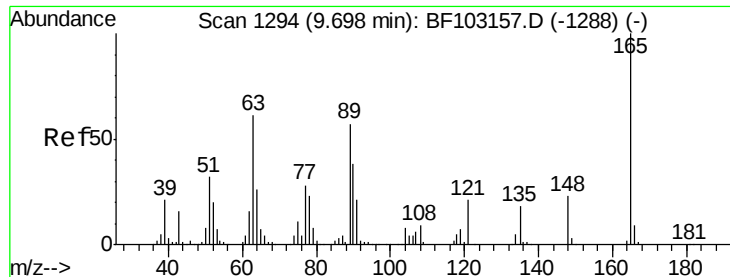
Abundance

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

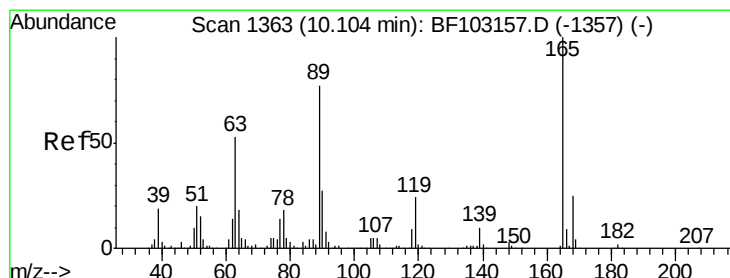
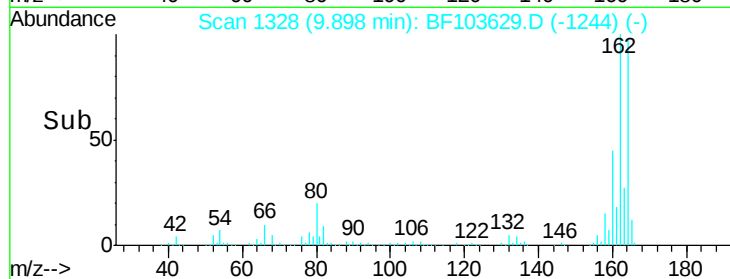
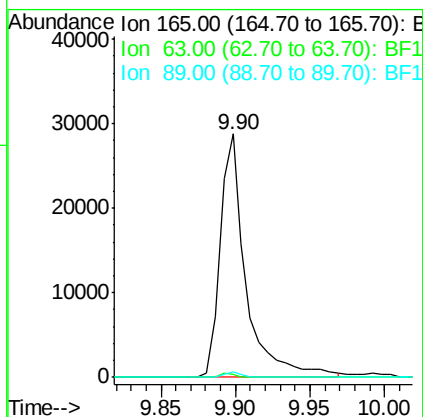
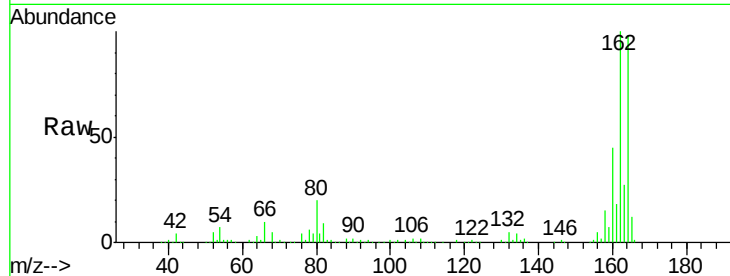




#50
2,6-Dinitrotoluene
Concen: 7.197 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

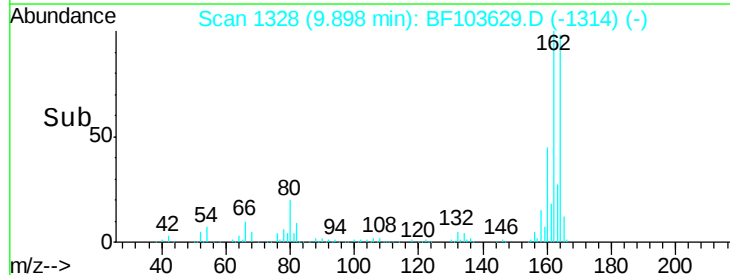
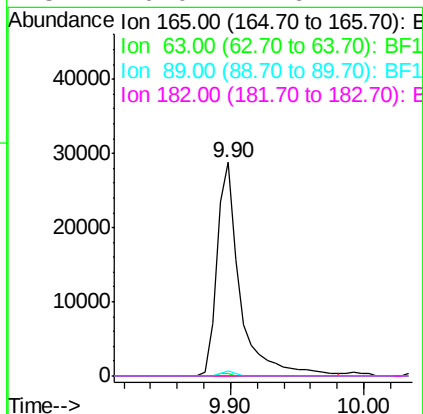
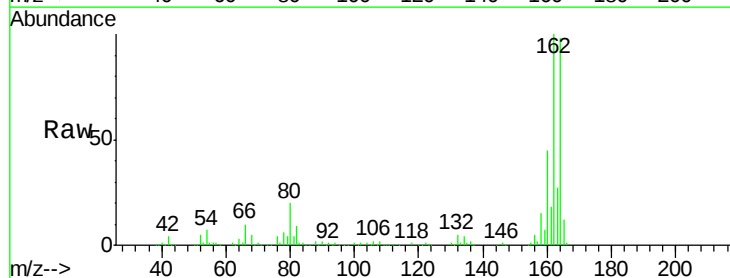
Instrument :
BNA_F
ClientSampleId :

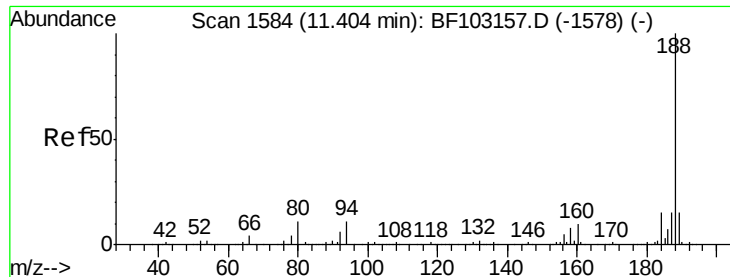
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	2.1	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.735 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

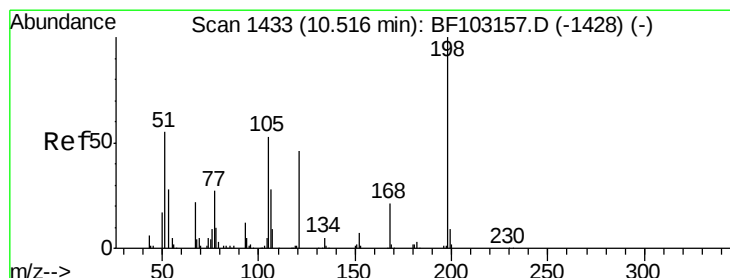
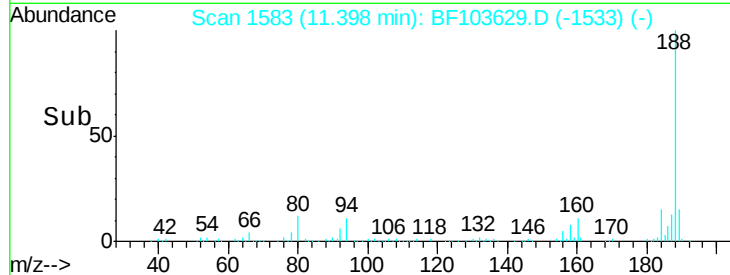
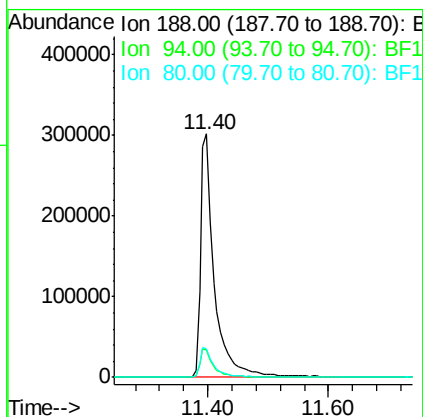
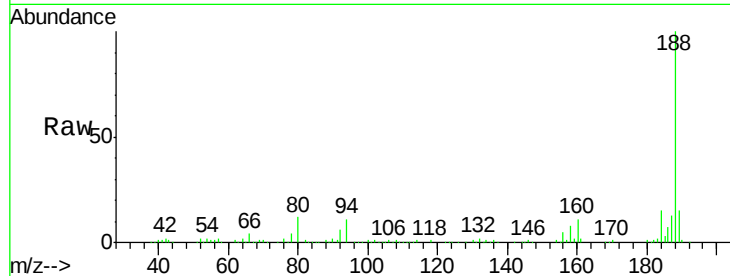




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

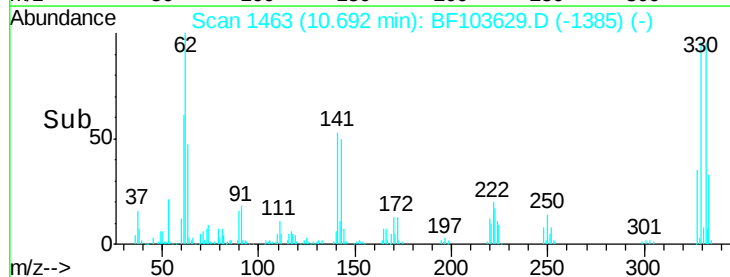
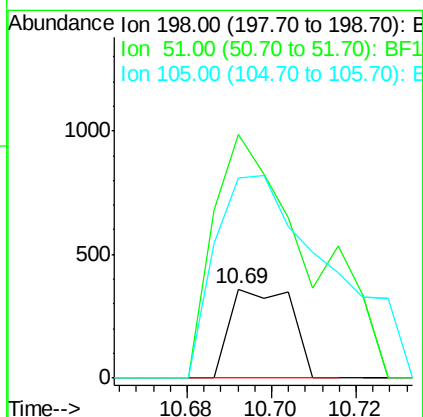
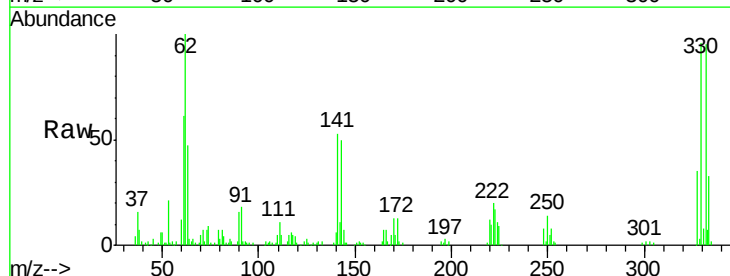
Instrument :
BNA_F
ClientSampleId :

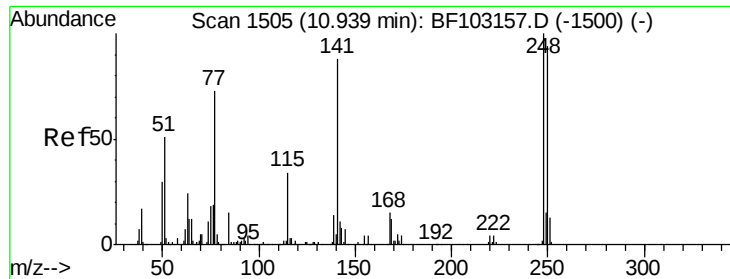
Tot Ion:188 Resp: 479937
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 11.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.057 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.16 min
Lab File: BF103629.D
Acq: 14 Mar 2018 4:36

Tgt Ion:198 Resp: 363
Ion Ratio Lower Upper
198 100
51 273.1 37.7 77.7#
105 223.8 36.3 76.3#

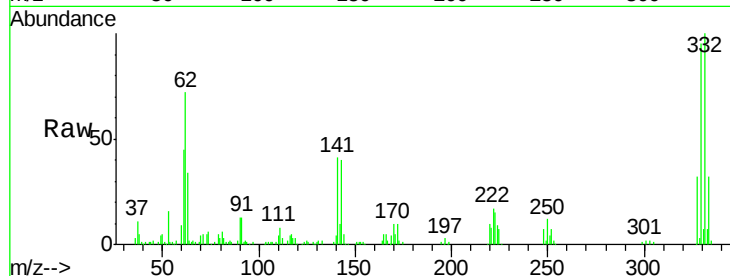




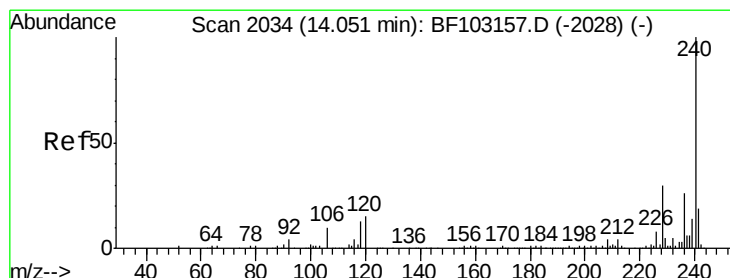
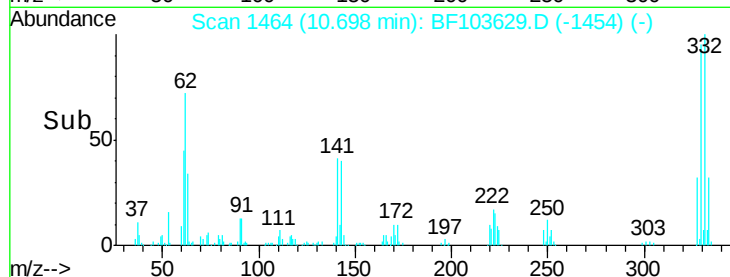
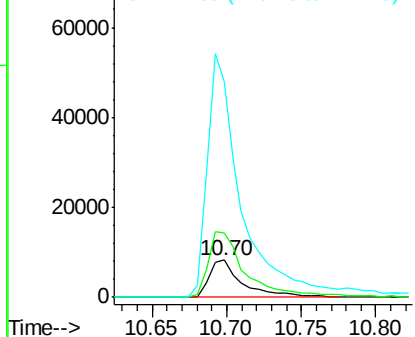
#66
 4-Bromophenyl-phenylether
 Concen: 2.566 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF103629.D
 Acq: 14 Mar 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12828
 Ion Ratio Lower Upper
 248 100
 250 172.0 76.9 115.3#
 141 580.3 74.4 111.6#

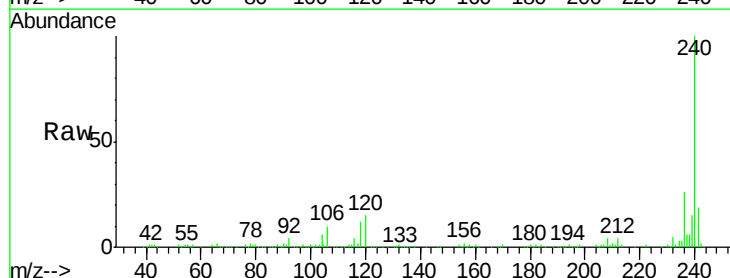


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

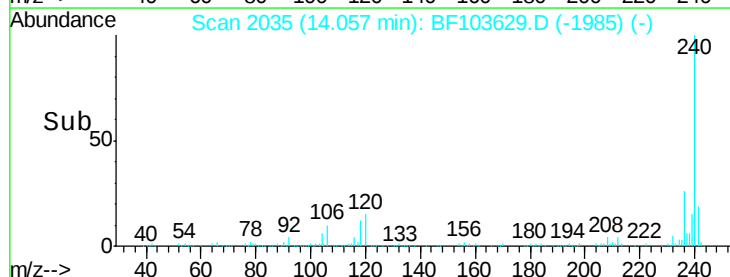
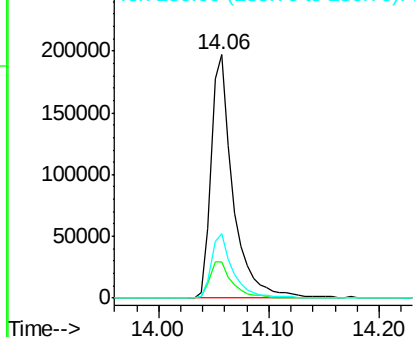


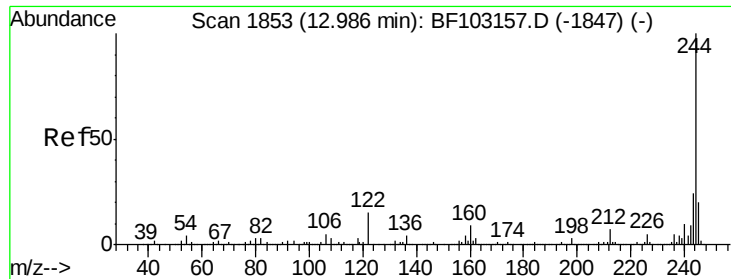
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF103629.D
 Acq: 14 Mar 2018 4:36

Tgt Ion:240 Resp: 267897
 Ion Ratio Lower Upper
 240 100
 120 14.7 9.5 14.3#
 236 26.5 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: 90.554 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

Instrument :

BNA_F

ClientSampled :

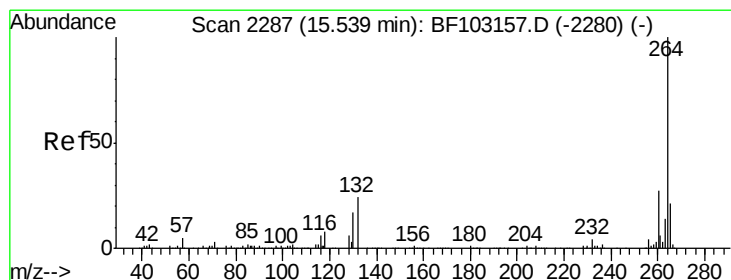
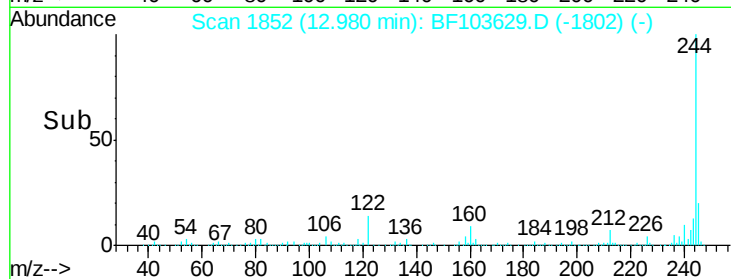
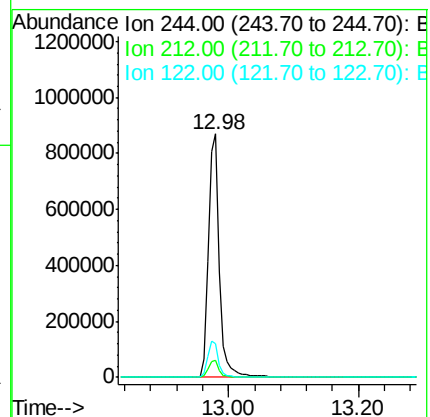
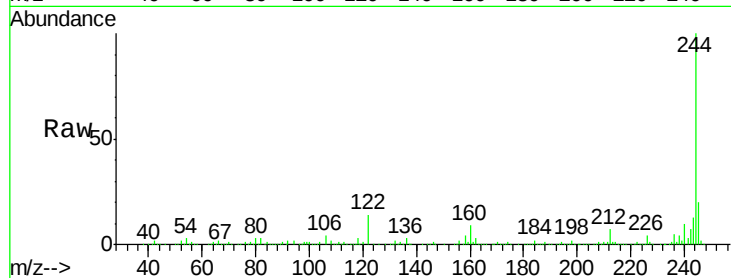
Tot Ion:244 Resp: 1009172

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 14.1 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF103629.D

Acq: 14 Mar 2018 4:36

Tgt Ion:264 Resp: 256588

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 20.6 17.5 26.3

