

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103600.D
 Acq On : 13 Mar 2018 13:27
 Operator : SJ/JU
 Sample : PB107261TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 14:07:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 13 14:02:37 2018
 Response via : Initial Calibration

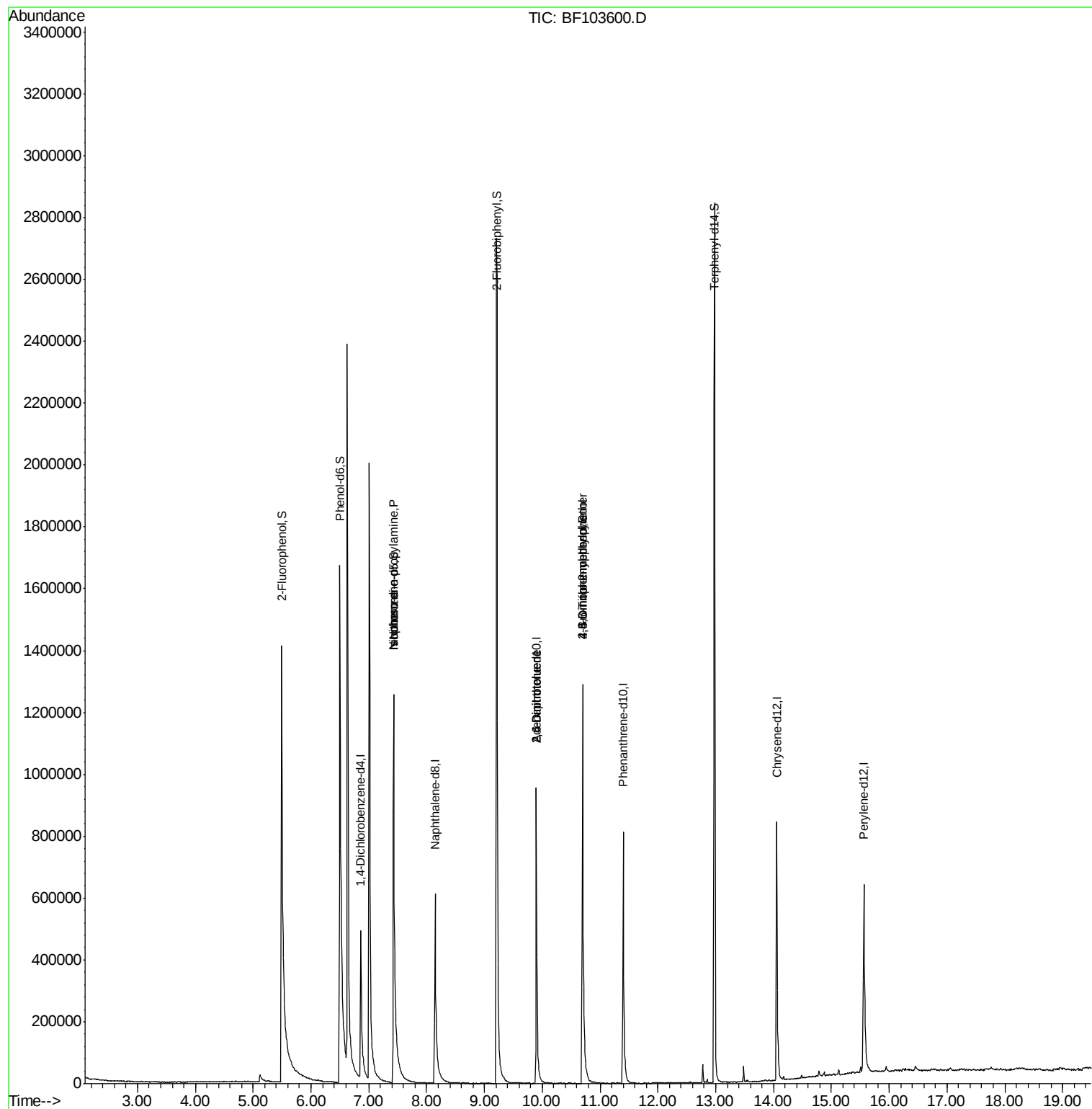
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135967	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	588016	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	267258	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	470935	20.00	ng	0.00
75) Chrysene-d12	14.06	240	404540	20.00	ng	0.00
86) Perylene-d12	15.56	264	395731	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	972695	108.20	ng	0.00
7) Phenol-d6	6.50	99	1149581	104.50	ng	0.00
23) Nitrobenzene-d5	7.43	82	783672	76.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	195970	86.63	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1203567	75.53	ng	0.00
78) Terphenyl-d14	12.98	244	1057488	62.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1345	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	98509	14.388 ng	#	1
25) Isophorone	7.43	82	783672	38.644 ng	#	84
50) 2,6-Dinitrotoluene	9.90	165	33441	7.433 ng	#	64
56) 2,4-Dinitrotoluene	9.90	165	33441	5.877 ng	#	26
64) 4,6-Dinitro-2-methylphenol	10.69	198	379	5.064 ng	#	23
66) 4-Bromophenyl-phenylether	10.70	248	14160	2.886 ng	#	1

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

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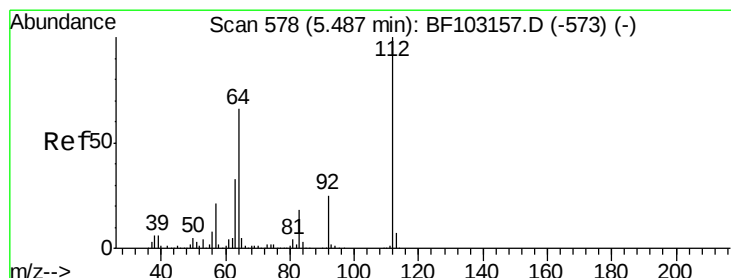
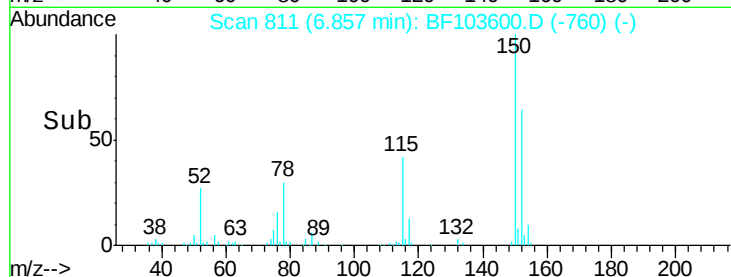
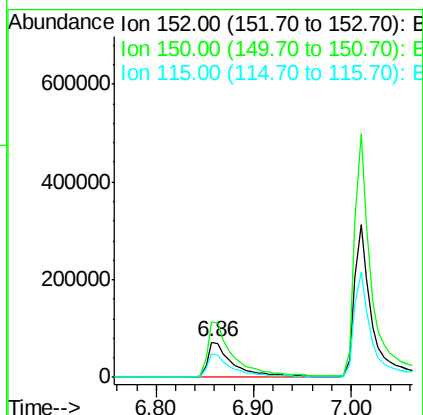
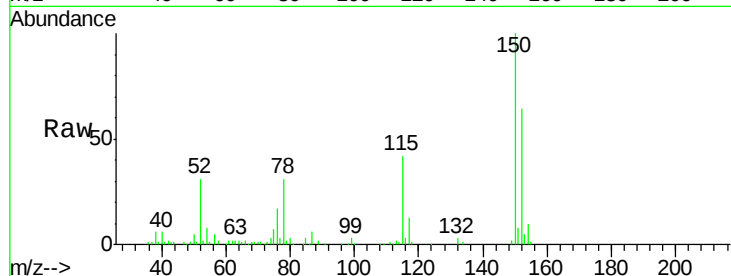


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :

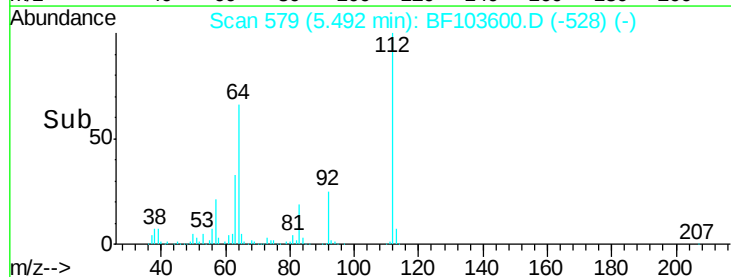
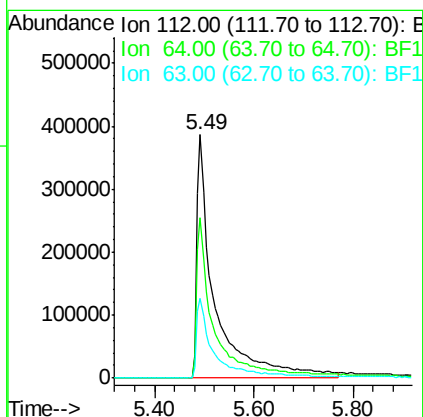
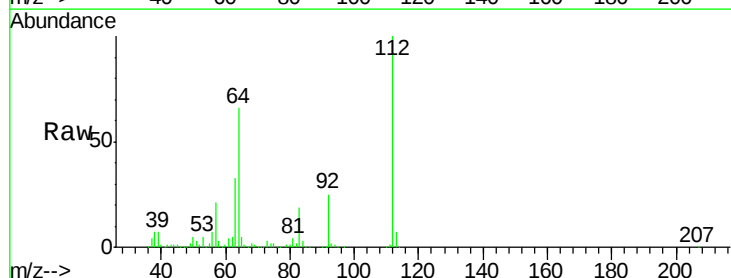
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	66.3	50.1	75.1

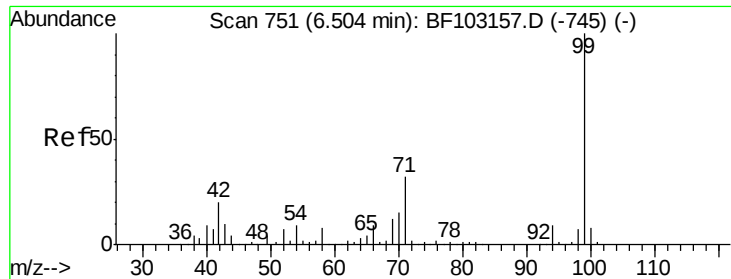


#5

2-Fluorophenol
Concen: 108.198 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 104.502 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103600.D

Acq: 13 Mar 2018 13:27

Instrument :

BNA_F

ClientSampleId :

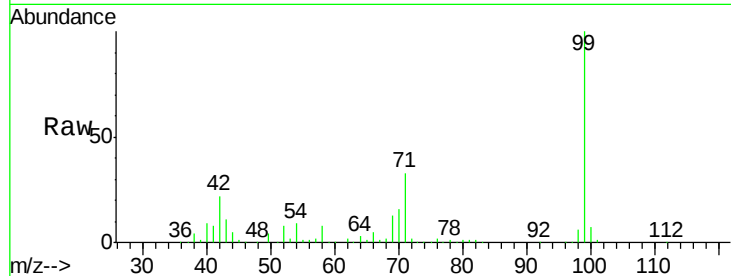
Tot Ion: 99 Resp: 1149581

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

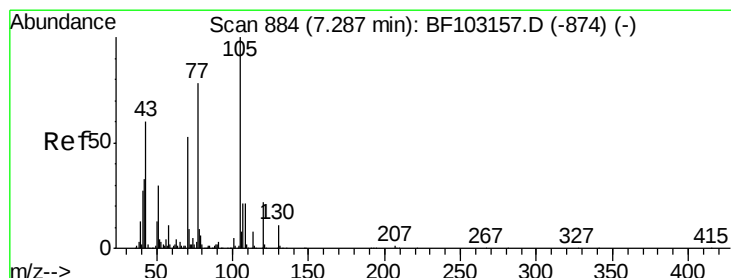
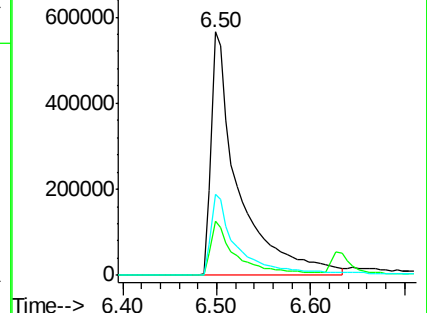
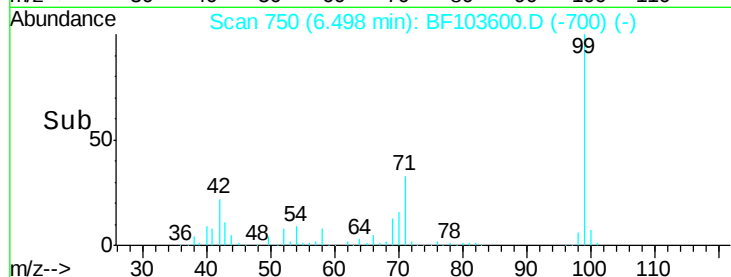
71 33.2 25.4 38.0



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: 14.388 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.16 min

Lab File: BF103600.D

Acq: 13 Mar 2018 13:27

Tgt Ion: 70 Resp: 98509

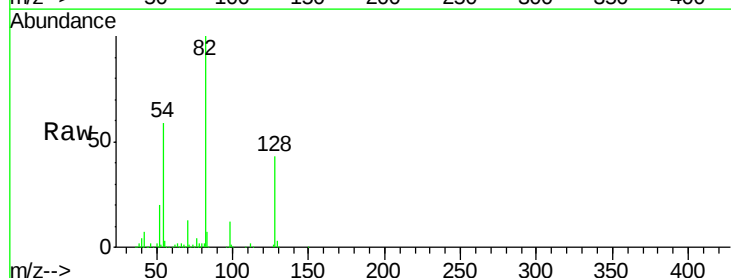
Ion Ratio Lower Upper

70 100

42 54.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

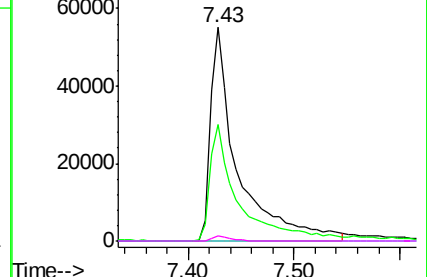
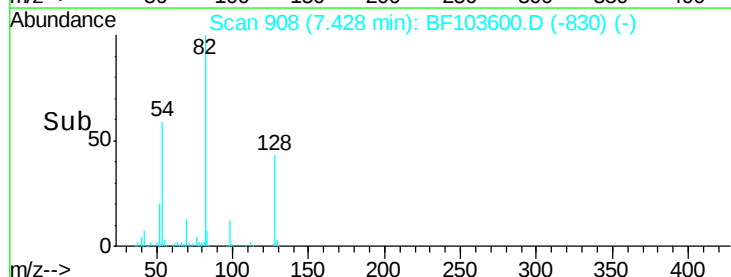


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

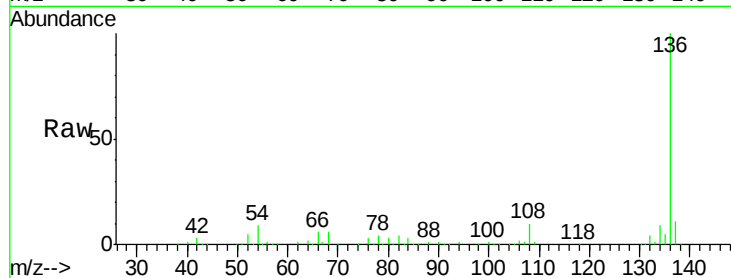




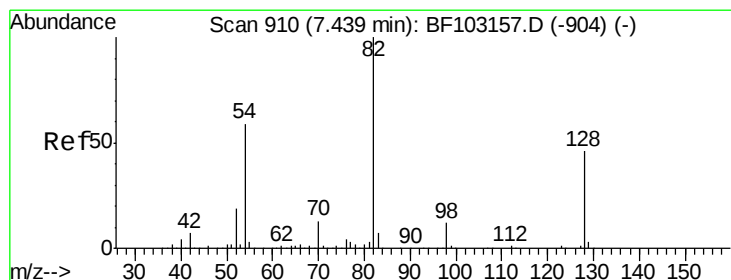
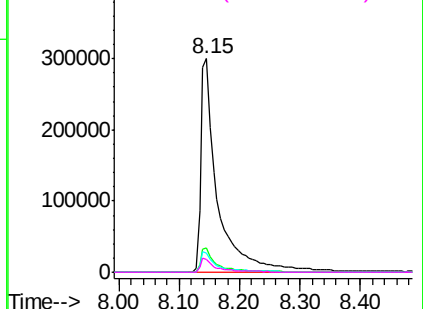
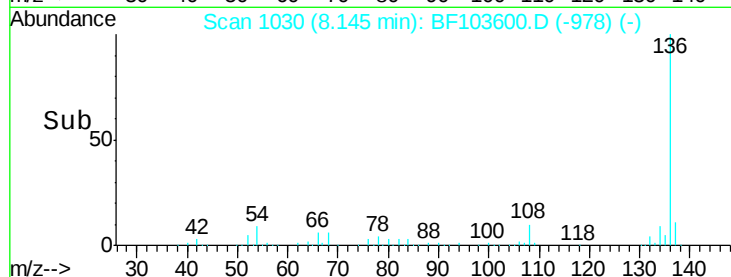
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	588016
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	8.9	6.6 9.8
68	6.2	5.0 7.4

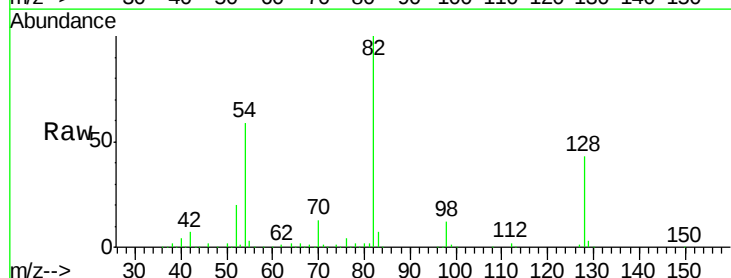


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

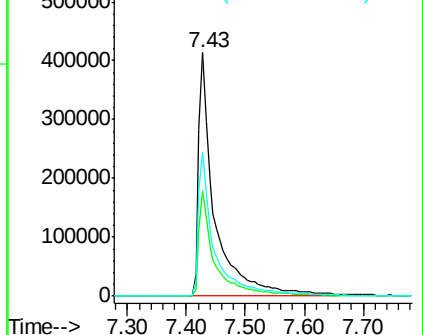
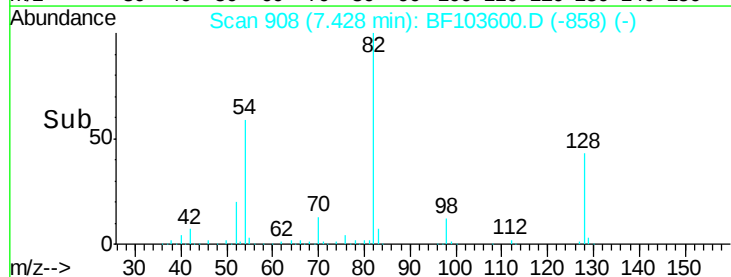


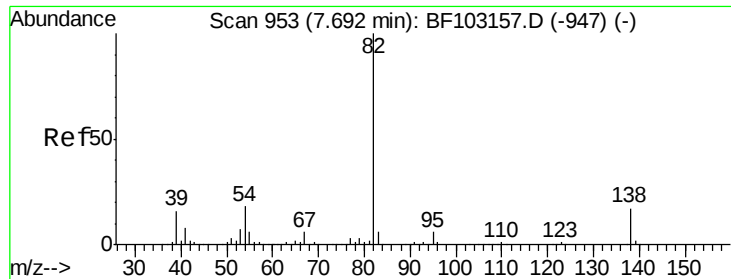
#23
Nitrobenzene-d5
Concen: 76.111 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Tgt Ion: 82	Resp:	783672
Ion Ratio	Lower	Upper
82	100	
128	43.3	36.1 54.1
54	59.1	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

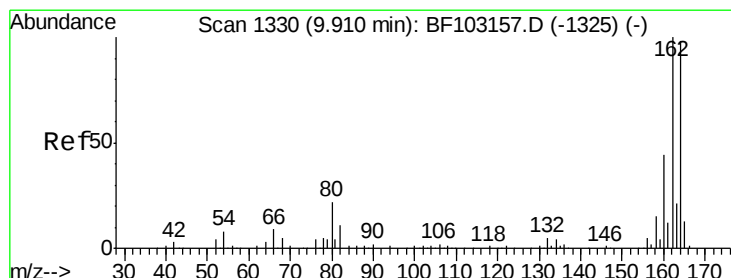
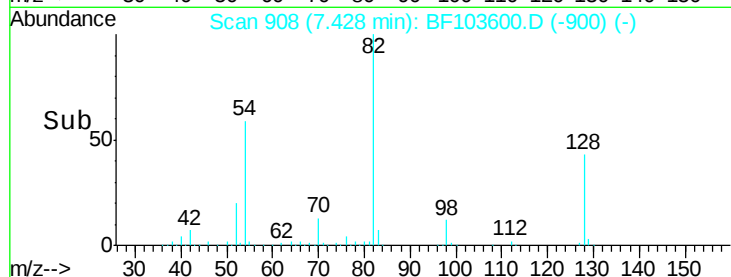
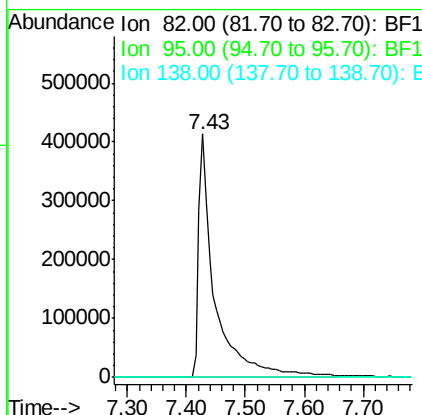
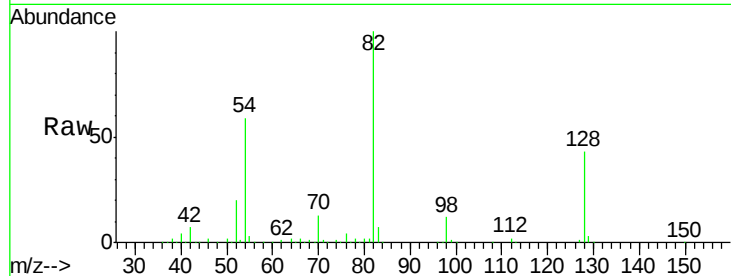




#25
Isophorone
Concen: 38.644 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.25 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

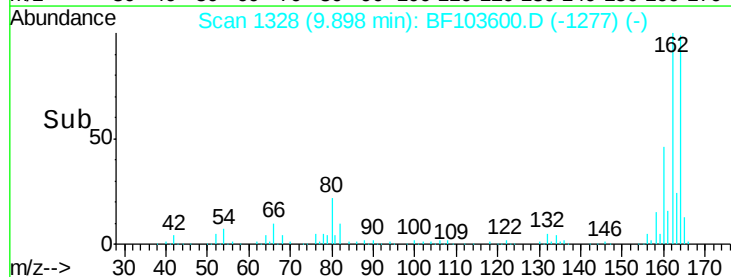
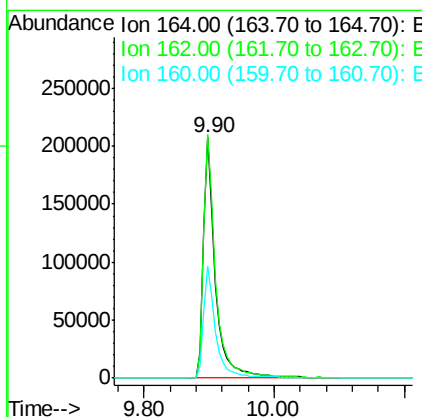
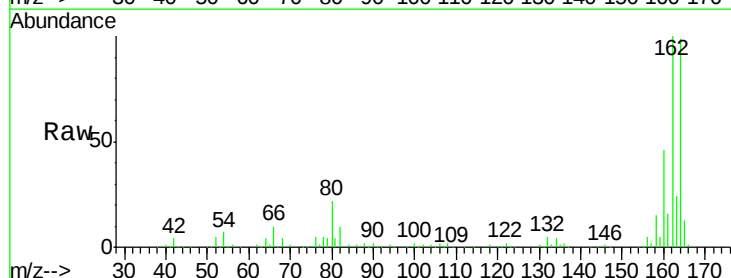
Instrument :
BNA_F
ClientSampleId :

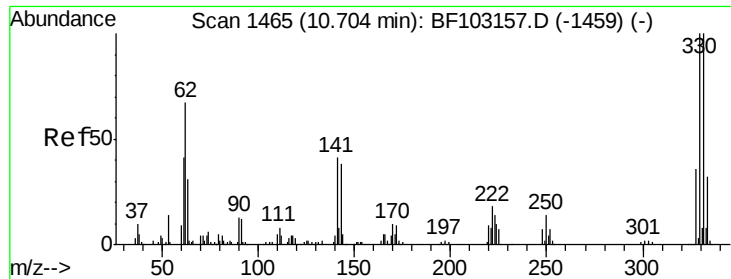
Tot Ion: 82 Resp: 783672
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Tgt Ion:164 Resp: 267258
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 46.4 38.3 57.5

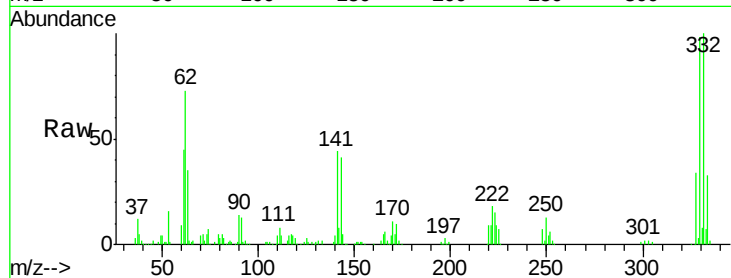




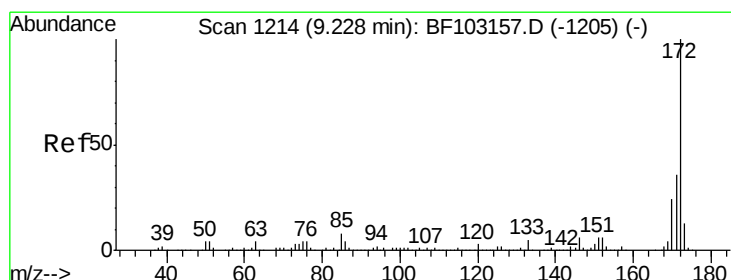
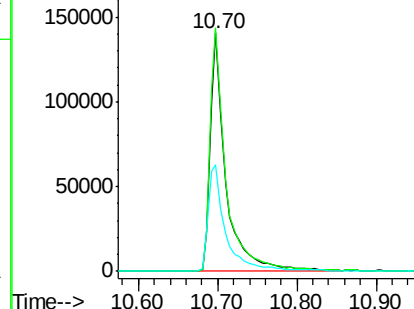
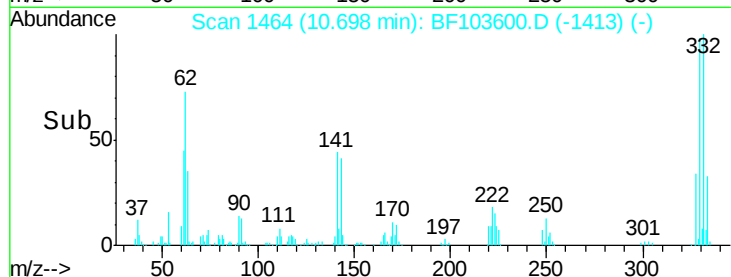
#41
 2,4,6-Tribromophenol
 Concen: 86.628 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF103600.D
 Acq: 13 Mar 2018 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.6
141	50.1	29.9	44.9

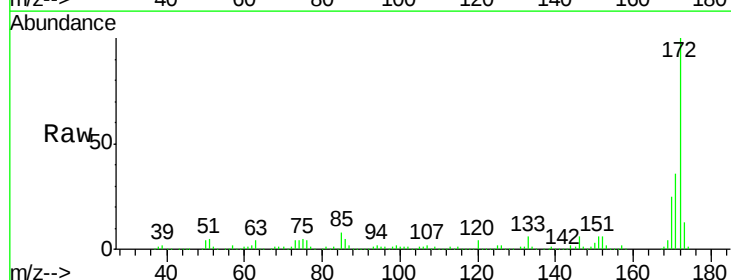


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

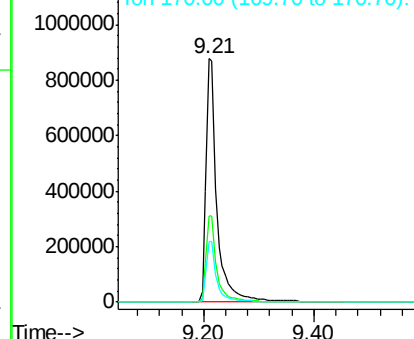
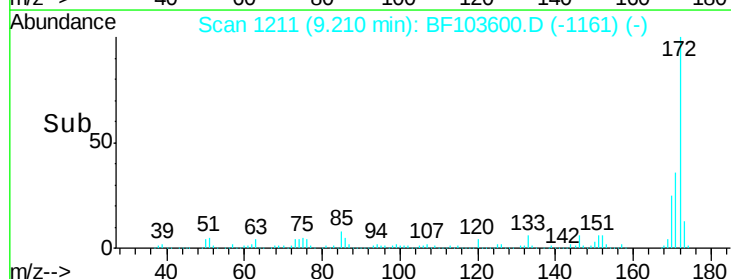


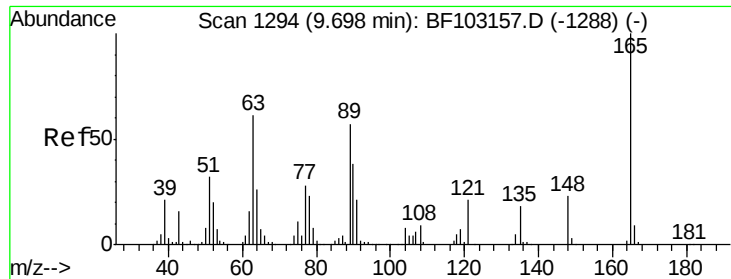
#44
 2-Fluorobiphenyl
 Concen: 75.532 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103600.D
 Acq: 13 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.8	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

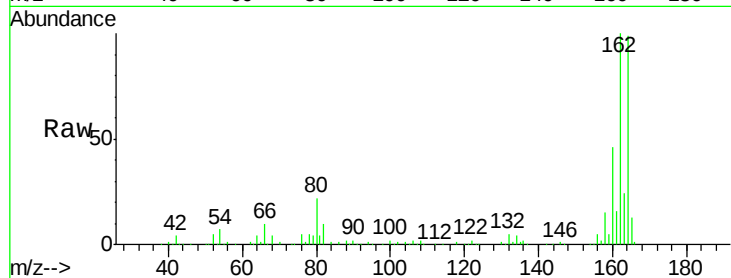




#50
 2,6-Dinitrotoluene
 Concen: 7.433 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.20 min
 Lab File: BF103600.D
 Acq: 13 Mar 2018 13:27

Instrument :
 BNA_F
 ClientSampleId :

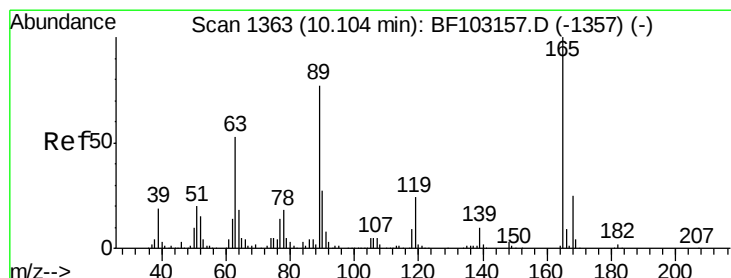
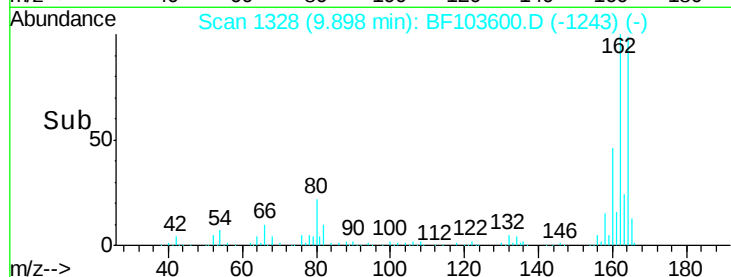
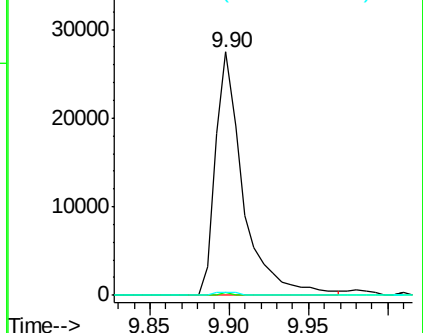
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



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: 5.877 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.21 min
 Lab File: BF103600.D
 Acq: 13 Mar 2018 13:27

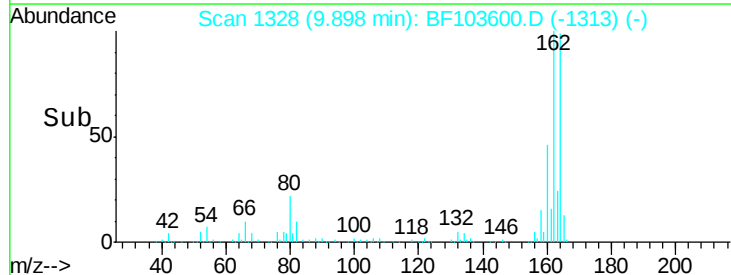
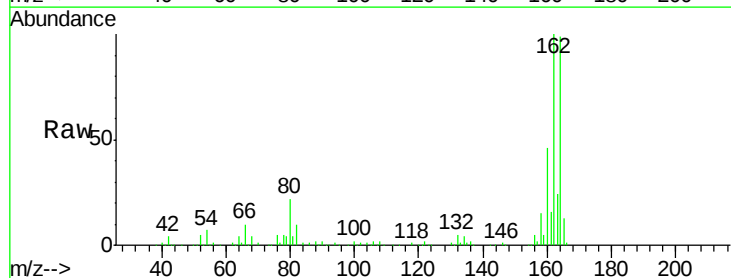
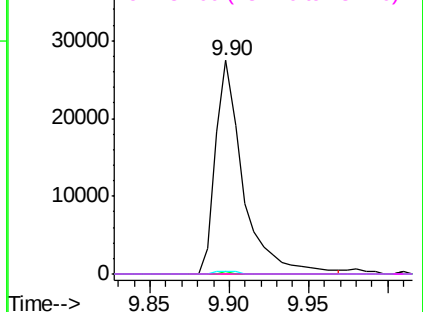
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

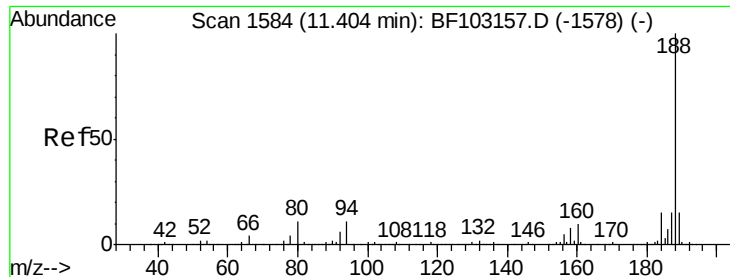
Abundance Ion 165.00 (164.70 to 165.70): E

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

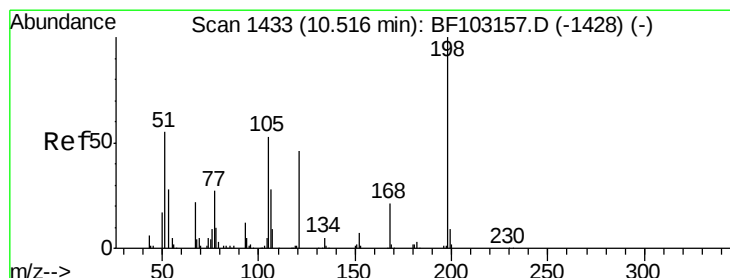
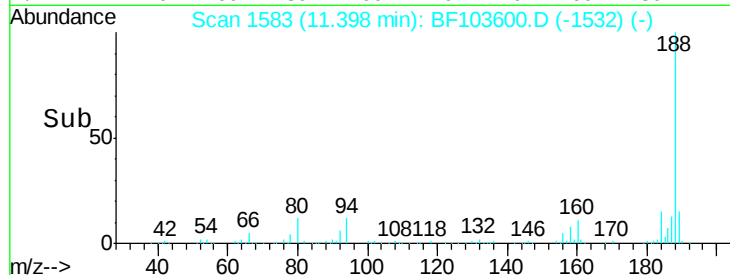
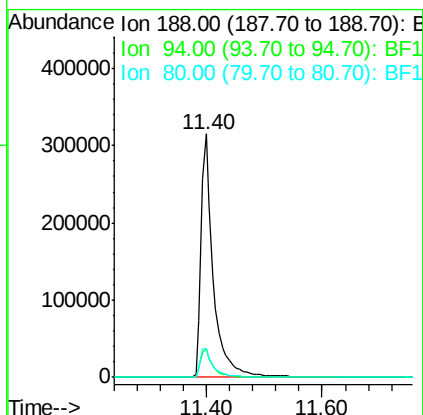
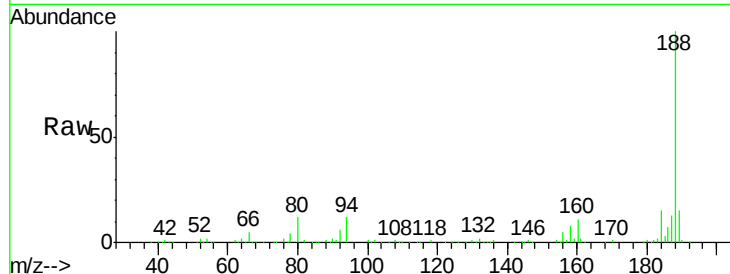




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

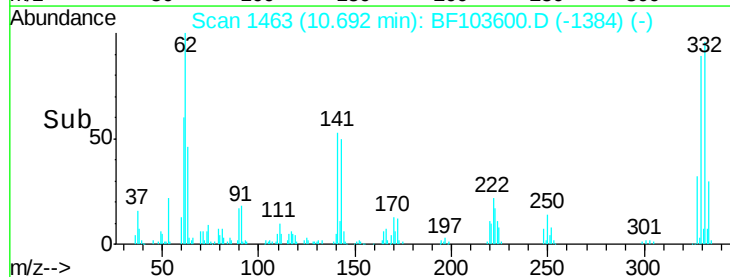
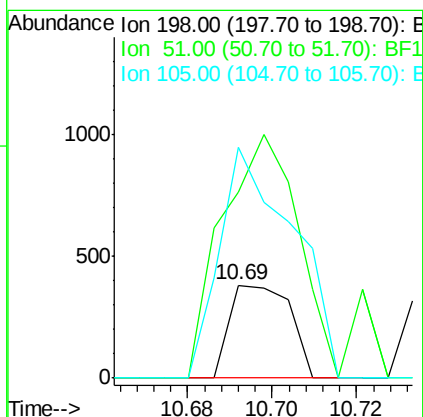
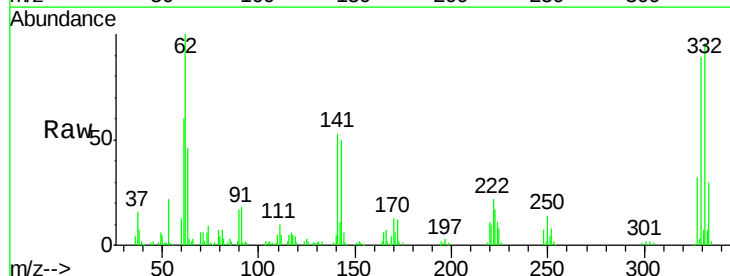
Instrument :
BNA_F
ClientSampleId :

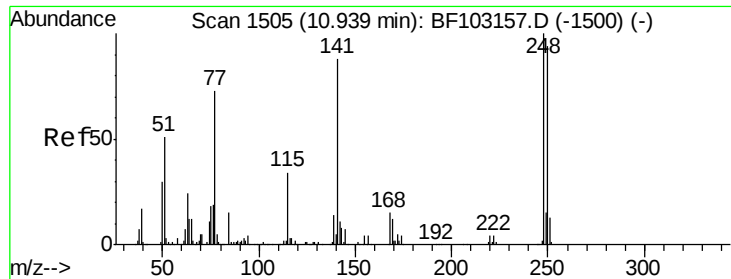
Tot Ion:188 Resp: 470935
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.064 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.16 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Tgt Ion:198 Resp: 379
Ion Ratio Lower Upper
198 100
51 200.8 37.7 77.7#
105 248.6 36.3 76.3#

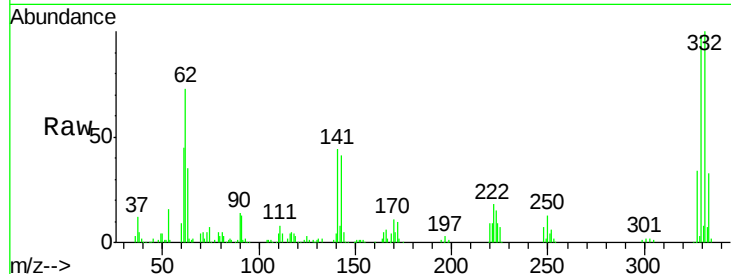




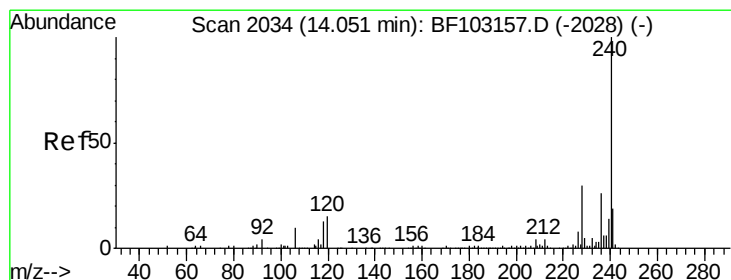
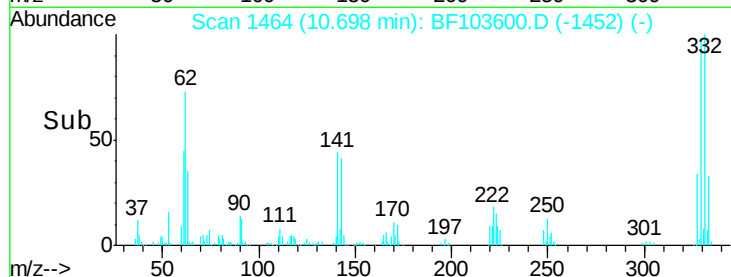
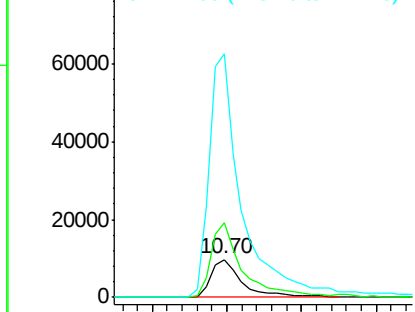
#66
4-Bromophenyl-phenylether
Concen: 2.886 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14160
Ion Ratio Lower Upper
248 100
250 196.5 76.9 115.3#
141 646.2 74.4 111.6#

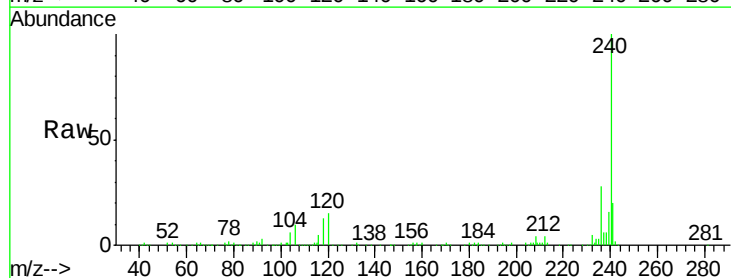


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

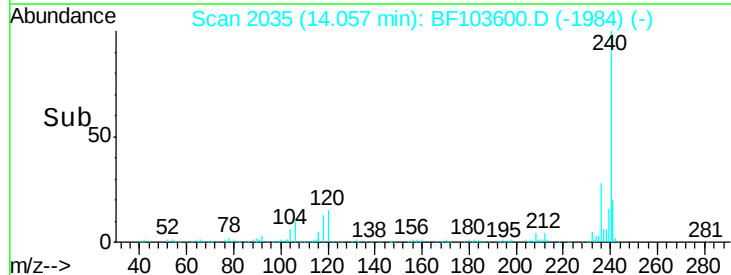
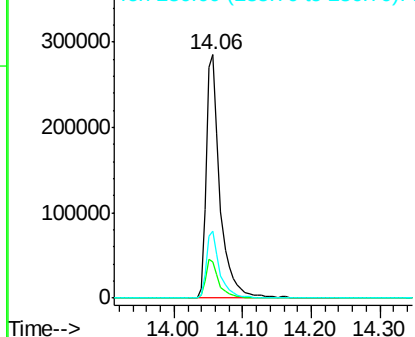


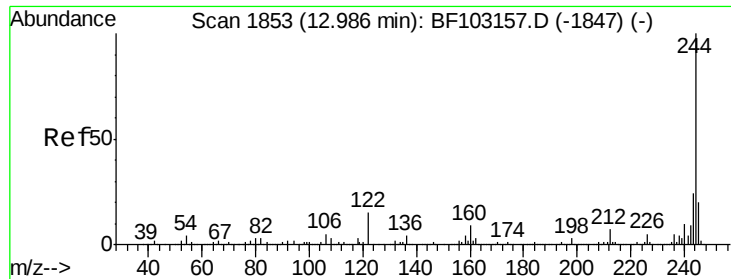
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103600.D
Acq: 13 Mar 2018 13:27

Tgt Ion:240 Resp: 404540
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 27.7 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: 62.838 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BF103600.D

Acq: 13 Mar 2018 13:27

Instrument :

BNA_F

ClientSampleId :

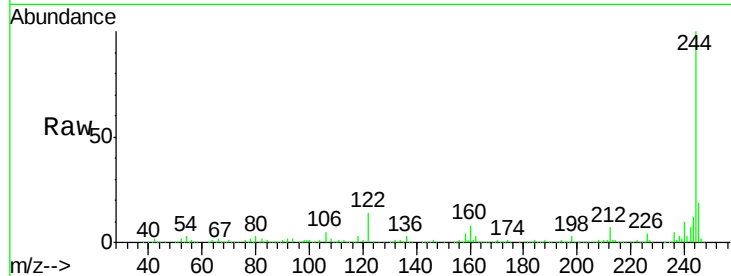
Tot Ion:244 Resp: 1057488

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

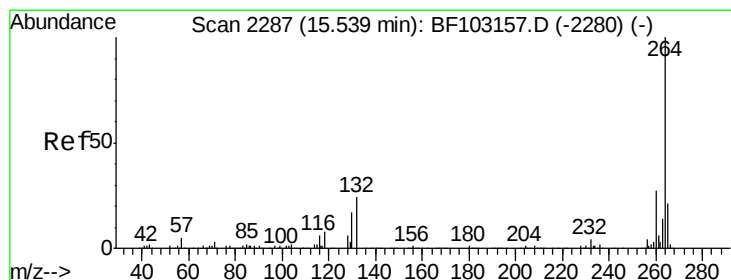
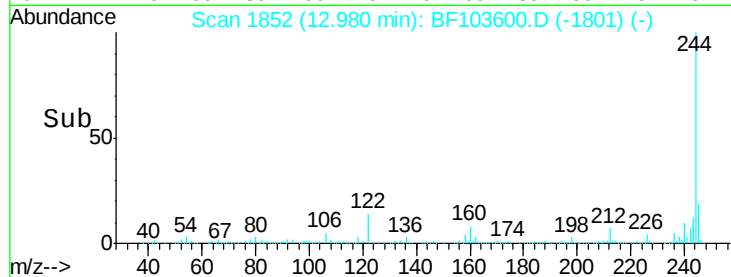
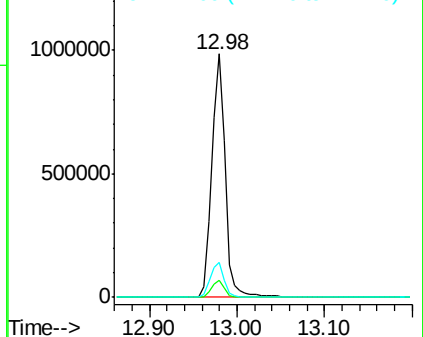
122 14.3 11.0 16.4



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: BF103600.D

Acq: 13 Mar 2018 13:27

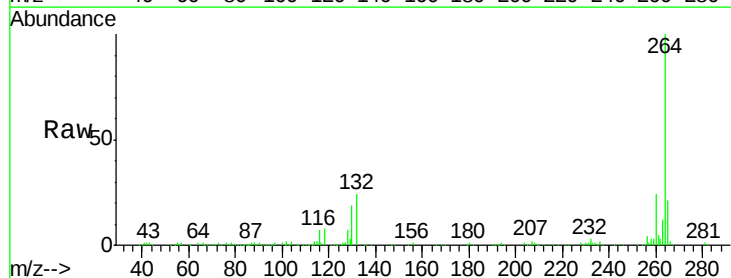
Tgt Ion:264 Resp: 395731

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 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

