

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103617.D
 Acq On : 13 Mar 2018 21:02
 Operator : SJ/JU
 Sample : J1898-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 22:06:55 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

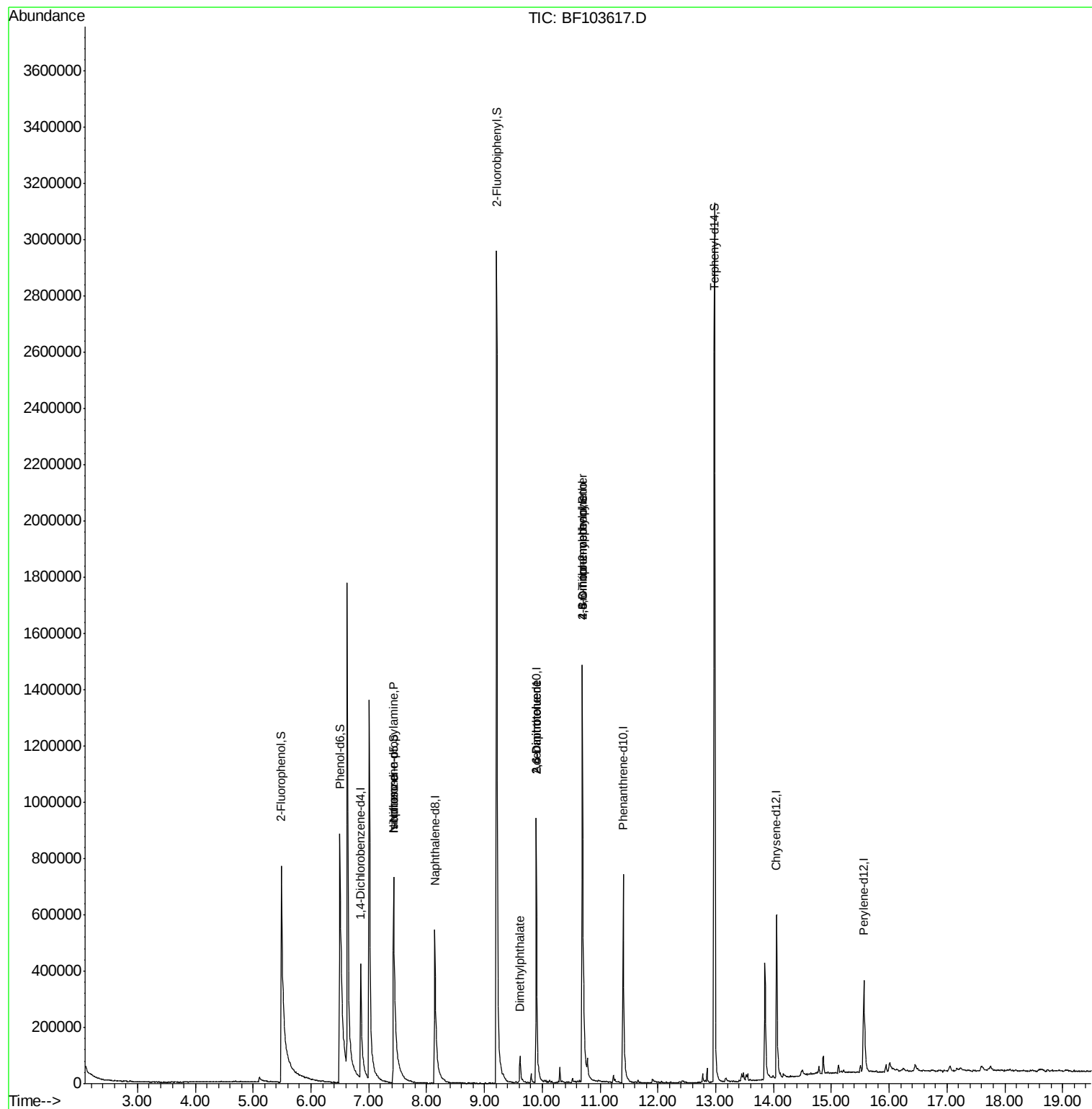
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	128676	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	576457	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	260137	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	462678	20.00	ng	0.00
75) Chrysene-d12	14.06	240	278397	20.00	ng	0.00
86) Perylene-d12	15.56	264	228992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	685607	80.58	ng	0.00
7) Phenol-d6	6.50	99	819777	78.74	ng	-0.01
23) Nitrobenzene-d5	7.43	82	616290	61.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	236590	107.45	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1266155	83.48	ng	-0.01
78) Terphenyl-d14	12.98	244	1284072	110.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	73511	11.346	ng	# 84
25) Isophorone	7.43	82	625167	31.446	ng	# 64
49) Dimethylphthalate	9.62	163	60945	2.920	ng	# 99
50) 2,6-Dinitrotoluene	9.90	165	32622	7.449	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	32924	5.944	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	387	5.069	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16719	3.469	ng	# 1

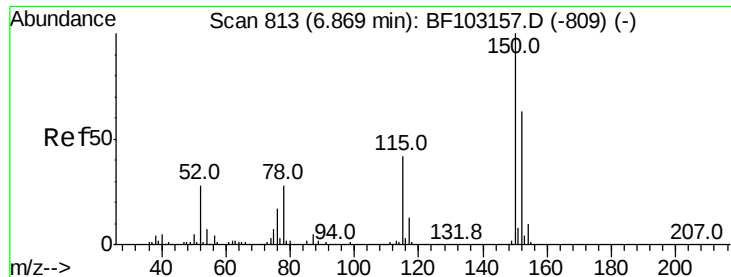
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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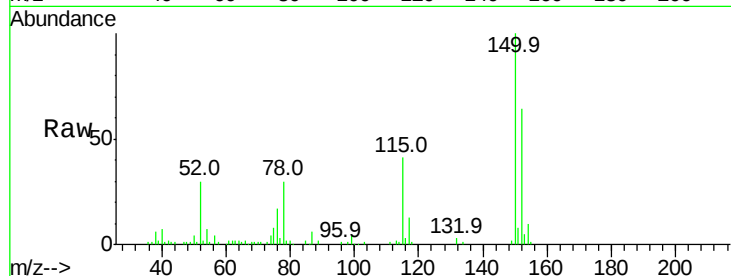


#1

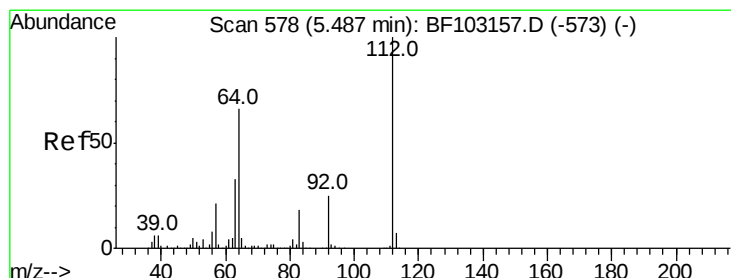
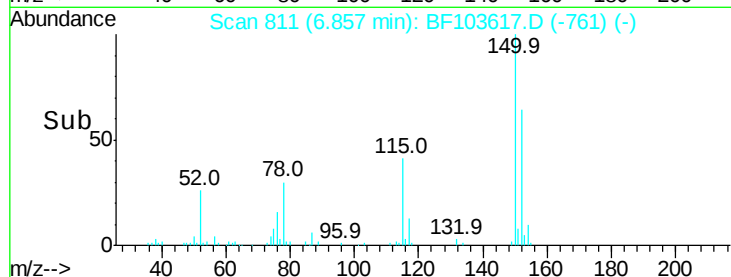
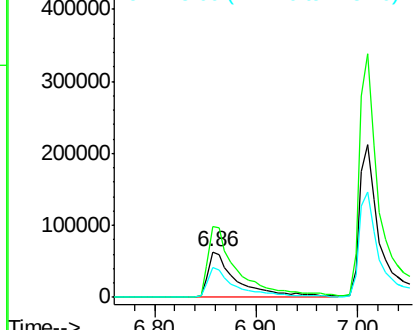
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103617.D
Acq: 13 Mar 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128676
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 64.6 50.1 75.1



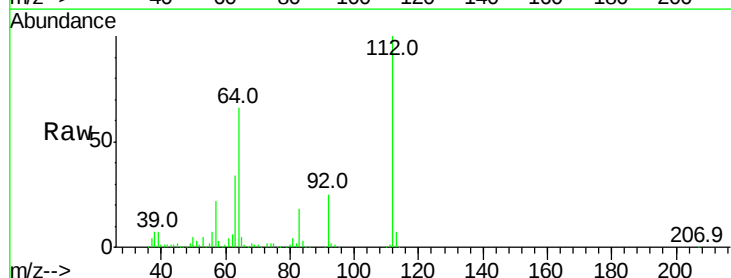
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



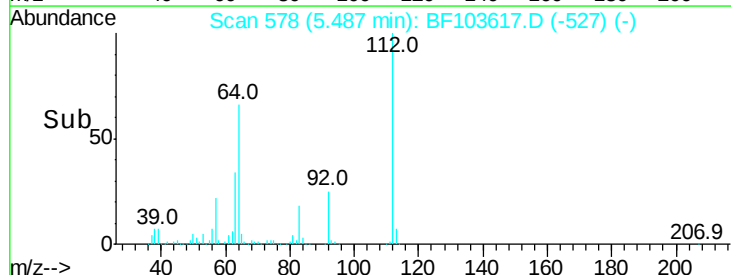
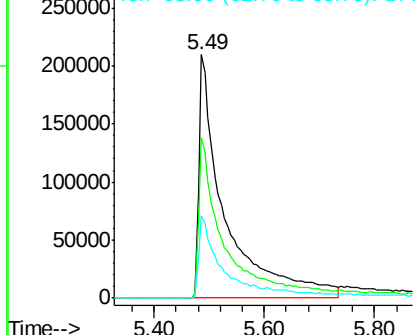
#5

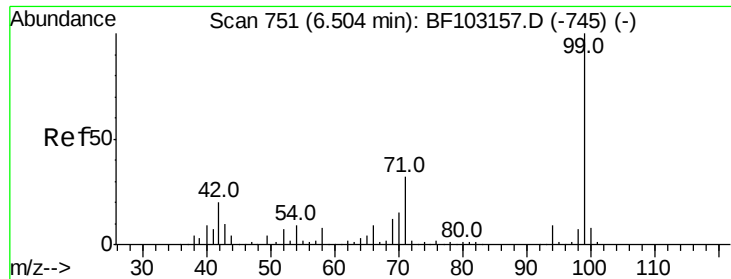
2-Fluorophenol
Concen: 80.585 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103617.D
Acq: 13 Mar 2018 21:02

Tgt Ion:112 Resp: 685607
Ion Ratio Lower Upper
112 100
64 66.1 47.9 71.9
63 34.0 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: 78.744 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

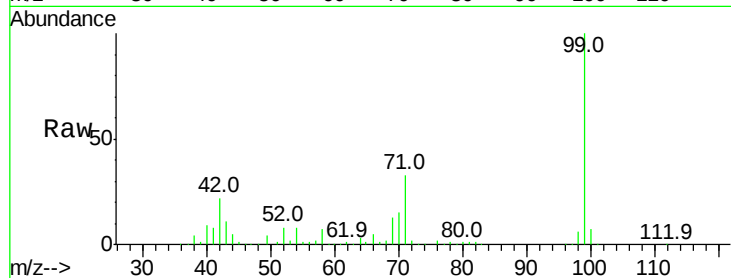
Tot Ion: 99 Resp: 819777

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

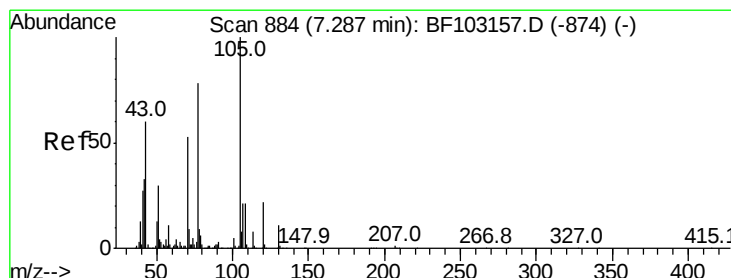
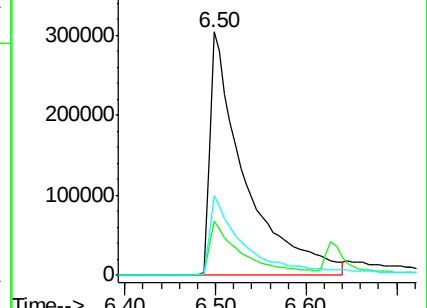
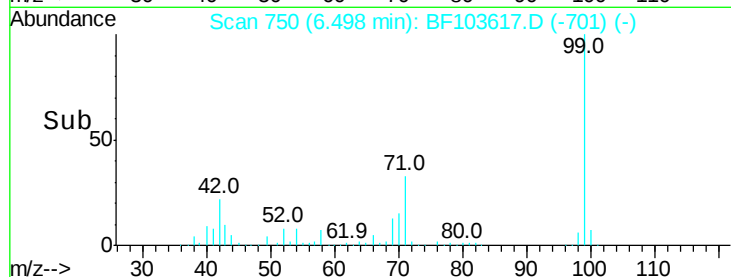
71 32.7 25.4 38.0



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: 11.346 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

Tgt Ion: 70 Resp: 73511

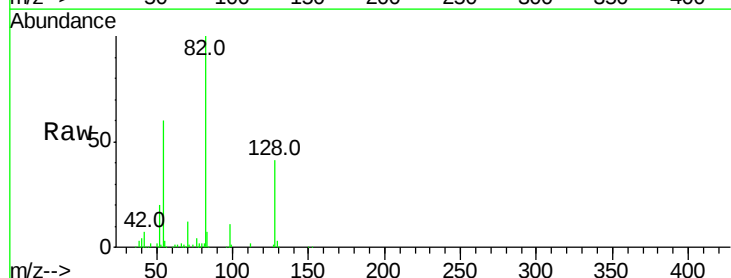
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

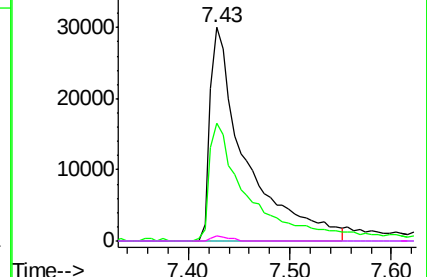
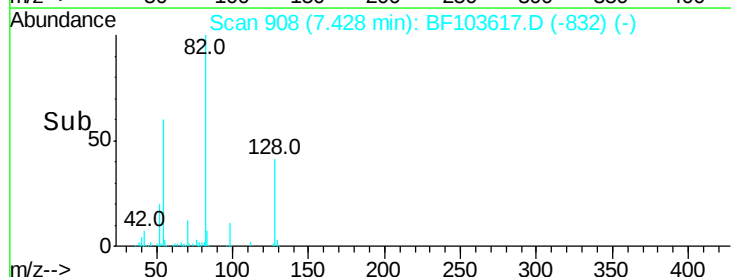


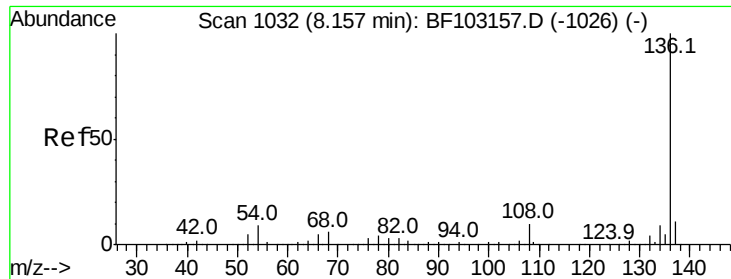
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

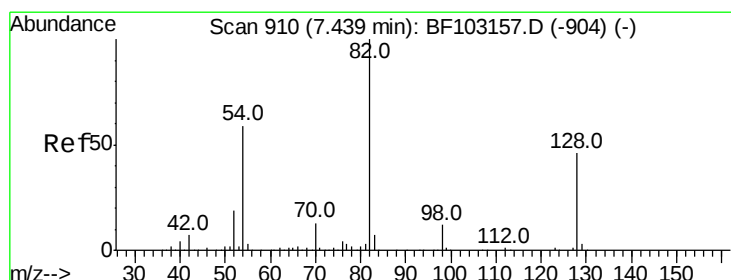
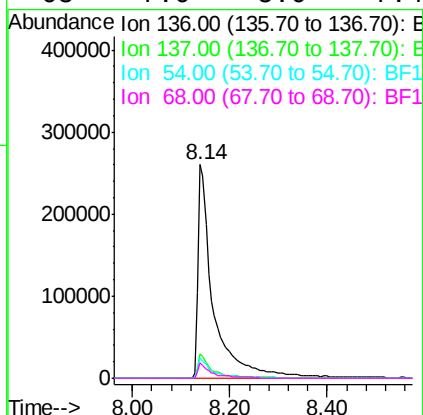
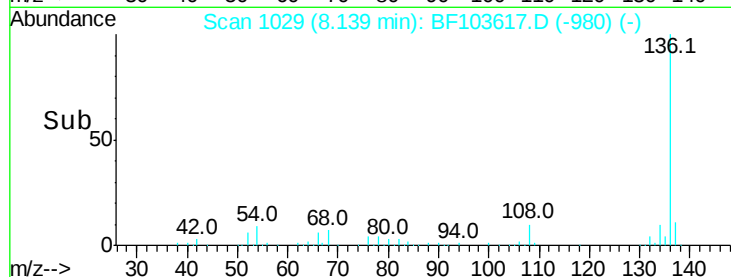
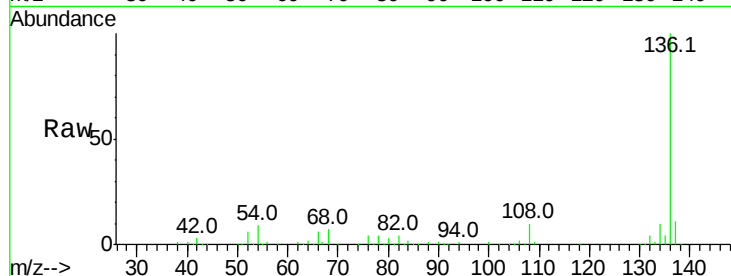




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103617.D
Acq: 13 Mar 2018 21:02

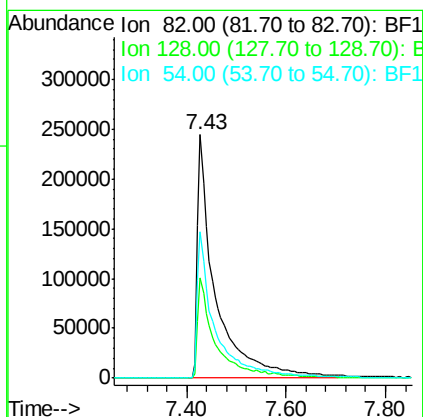
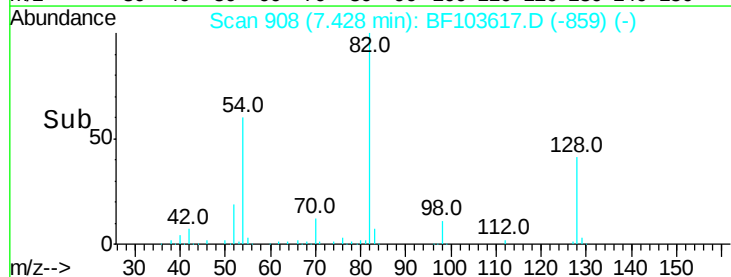
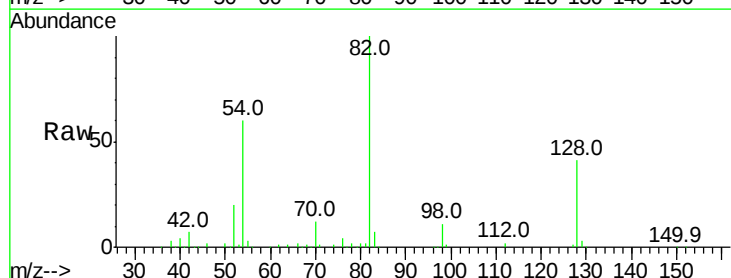
Instrument :
BNA_F
ClientSampleId :

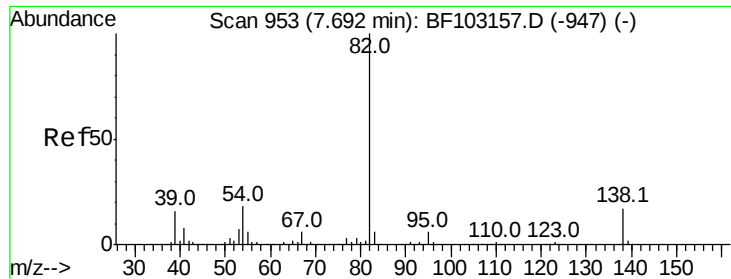
Tot Ion:136	Resp:	576457
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	9.4	6.6 9.8
68	7.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 61.055 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103617.D
Acq: 13 Mar 2018 21:02

Tgt Ion: 82	Resp:	616290
Ion Ratio	Lower	Upper
82	100	
128	41.3	36.1 54.1
54	59.9	41.4 62.2





#25

Isophorone

Concen: 31.446 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

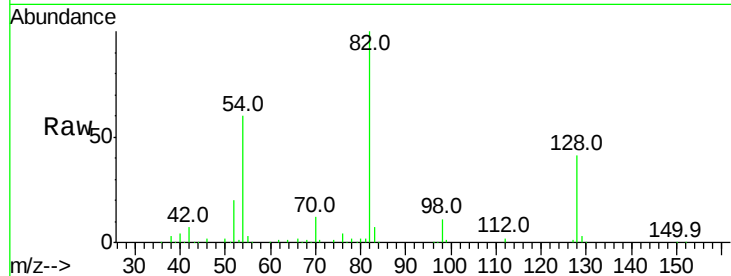
Tot Ion: 82 Resp: 625167

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

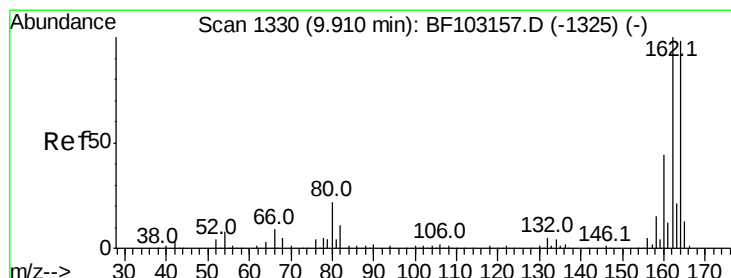
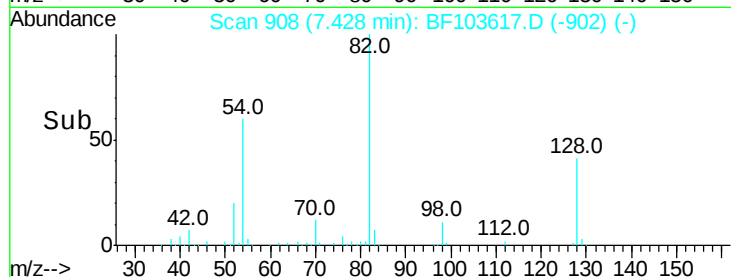
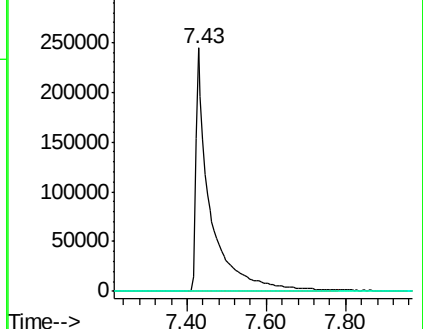
138 0.0 14.9 22.3#



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: BF103617.D

Acq: 13 Mar 2018 21:02

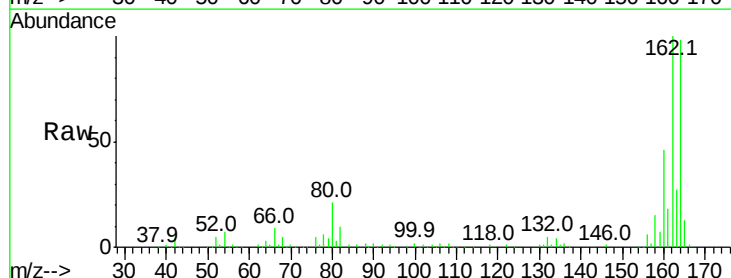
Tgt Ion: 164 Resp: 260137

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

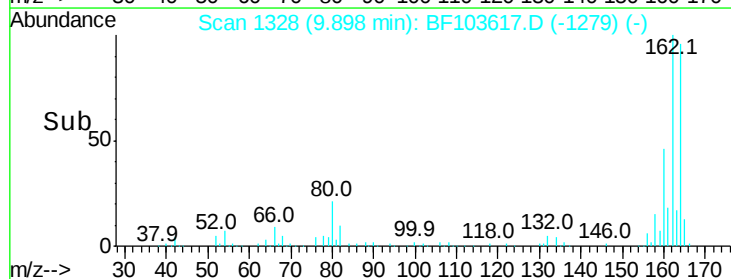
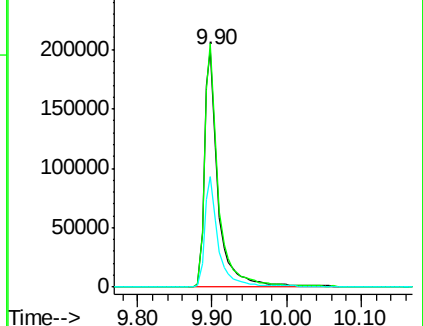
160 46.7 38.3 57.5

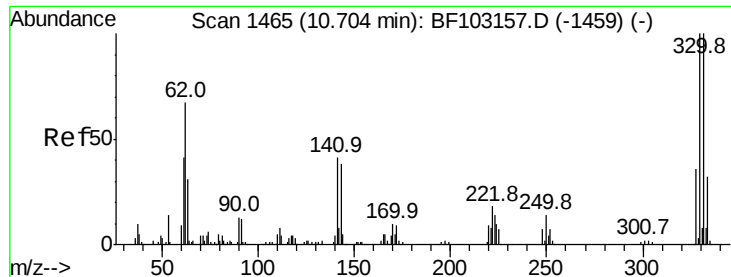


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

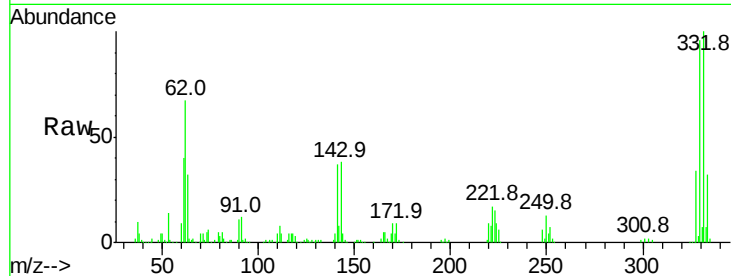




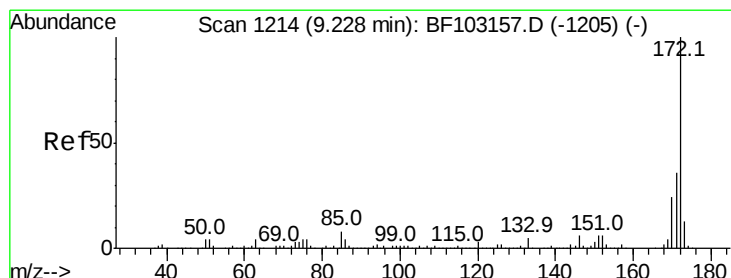
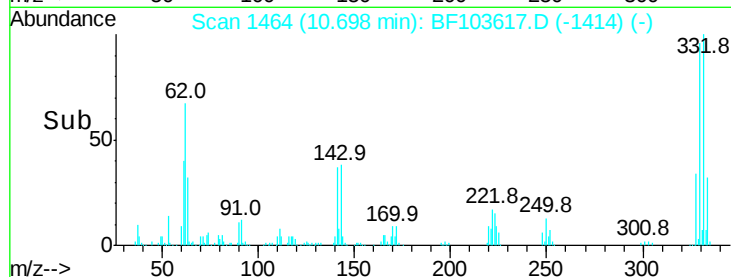
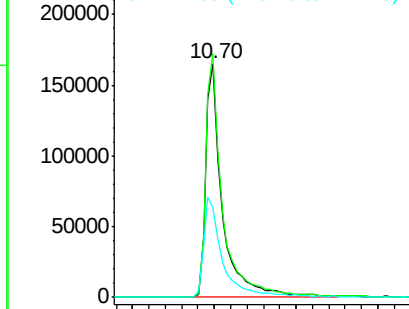
#41
 2,4,6-Tribromophenol
 Concen: 107.447 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103617.D
 Acq: 13 Mar 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 236590
 Ion Ratio Lower Upper
 330 100
 332 105.7 77.0 115.6
 141 48.7 29.9 44.9#

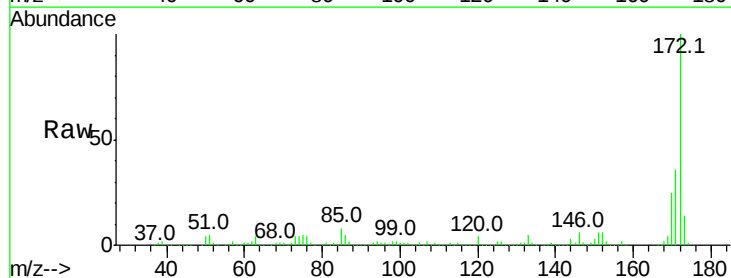


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

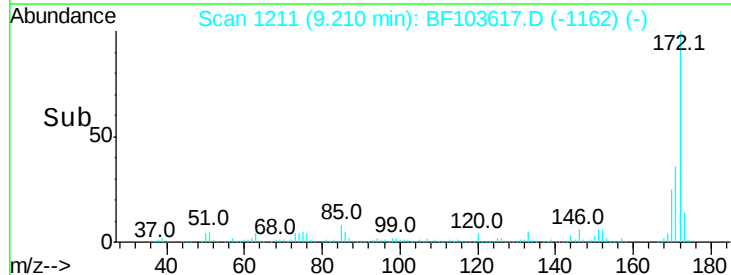
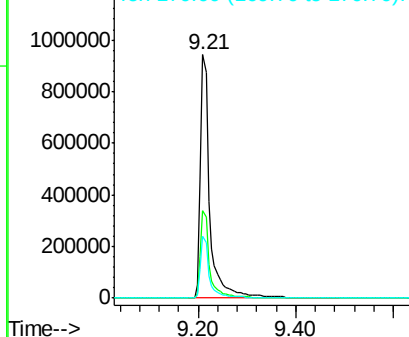


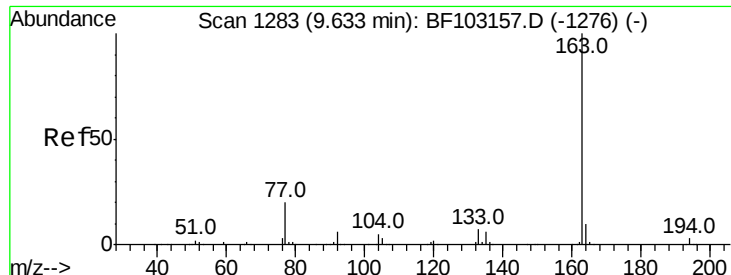
#44
 2-Fluorobiphenyl
 Concen: 83.477 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103617.D
 Acq: 13 Mar 2018 21:02

Tgt Ion:172 Resp: 1266155
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 25.3 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: 2.920 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

Instrument :

BNA_F

ClientSampled :

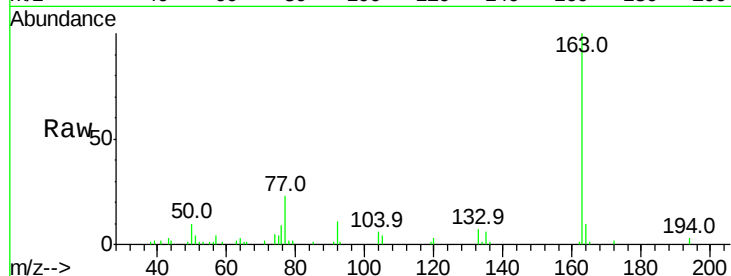
Tot Ion:163 Resp: 60945

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

164 10.5 8.2 12.2

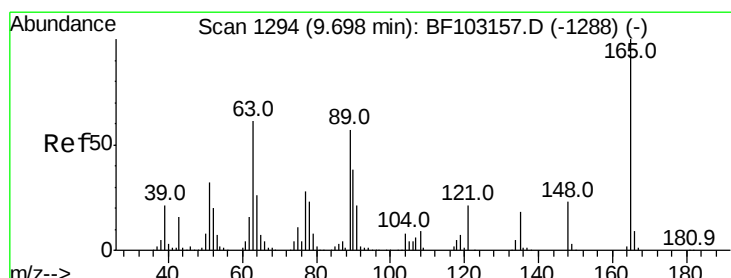
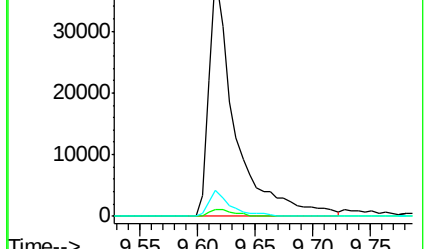
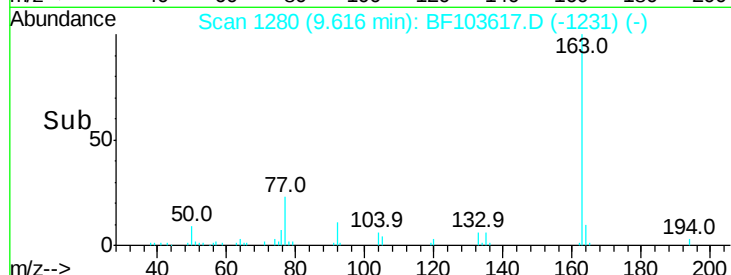


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#50

2,6-Dinitrotoluene

Concen: 7.449 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.19 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

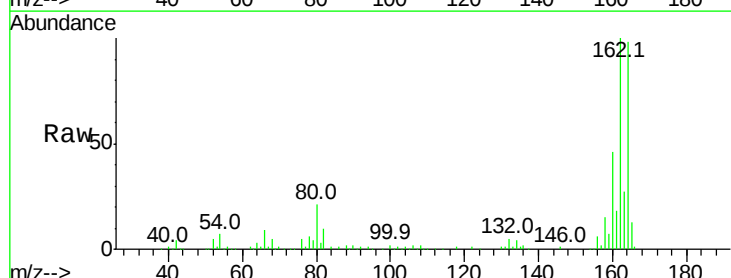
Tgt Ion:165 Resp: 32622

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

89 1.5 44.0 66.0#

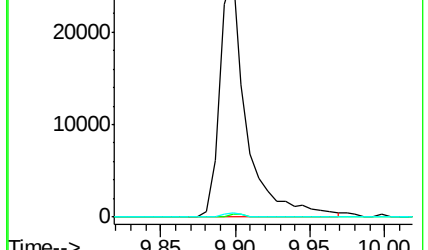
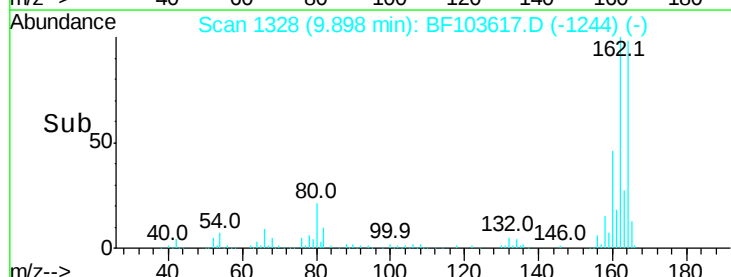


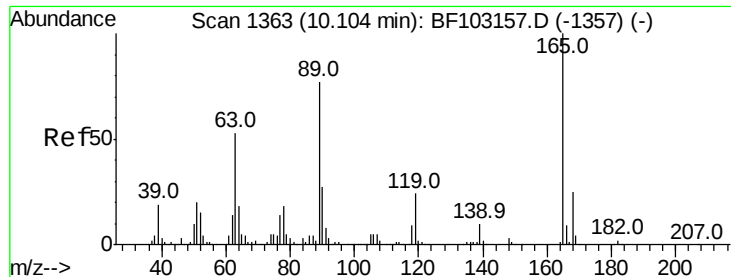
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->

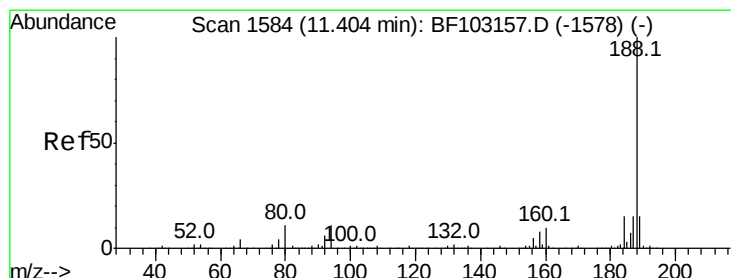
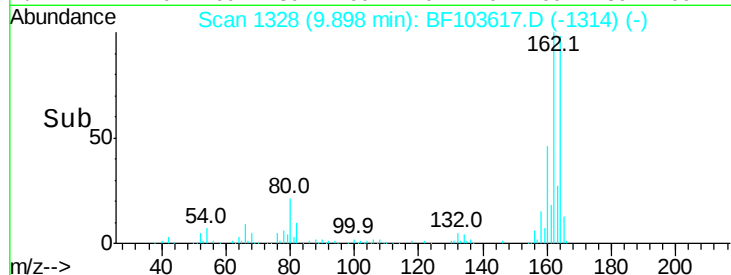
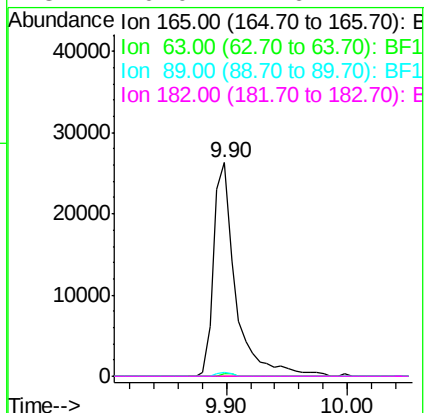
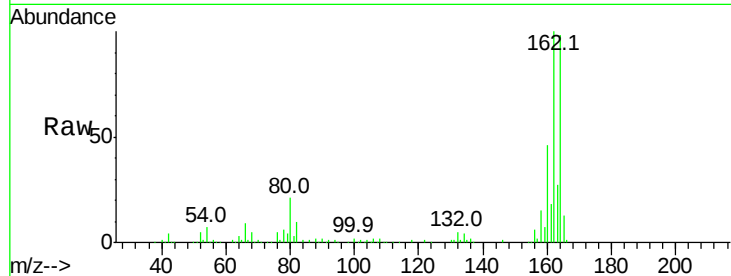




#56
 2,4-Dinitrotoluene
 Concen: 5.944 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103617.D
 Acq: 13 Mar 2018 21:02

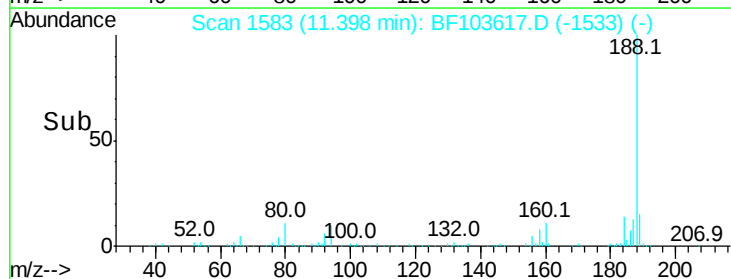
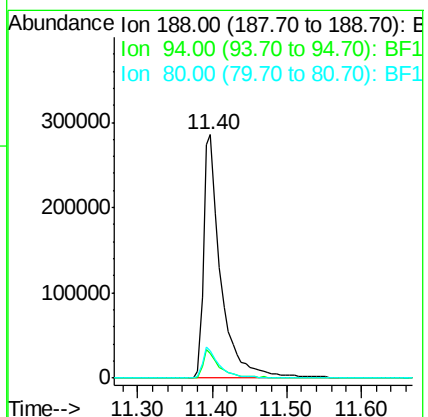
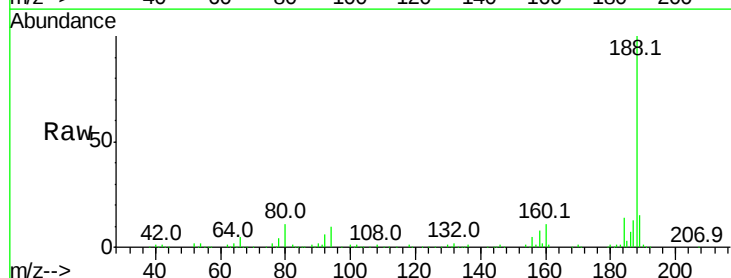
Instrument :
 BNA_F
 ClientSampleId :

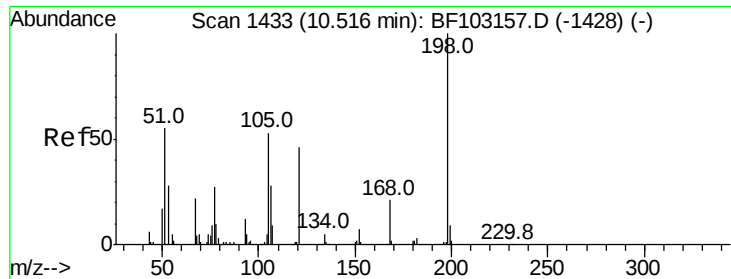
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103617.D
 Acq: 13 Mar 2018 21:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.069 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.16 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

Instrument :

BNA_F

ClientSampled :

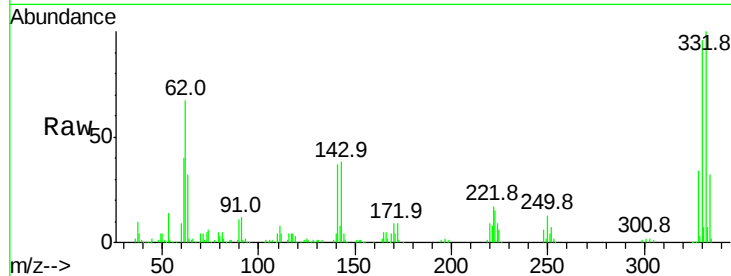
Tot Ion:198 Resp: 387

Ion Ratio Lower Upper

198 100

51 162.9 37.7 77.7#

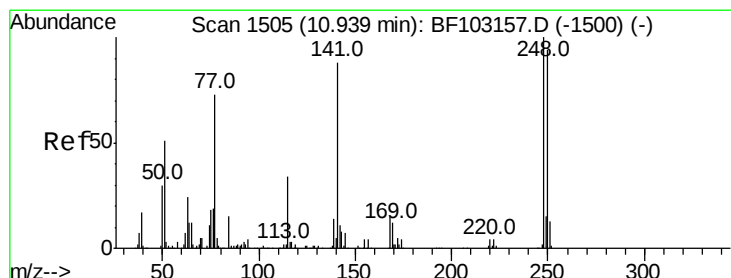
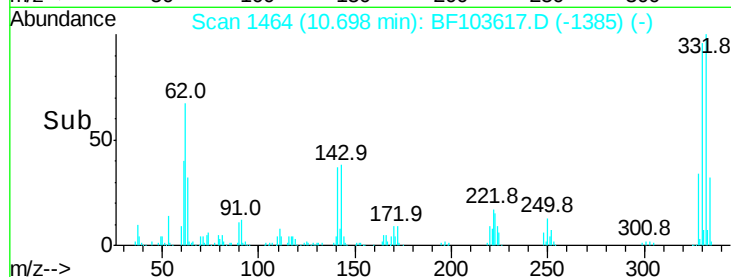
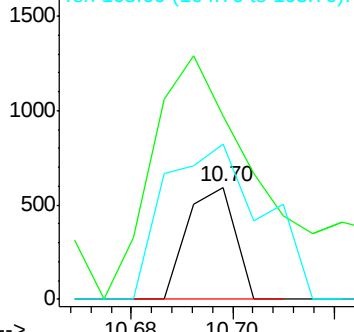
105 137.8 36.3 76.3#



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: 3.469 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

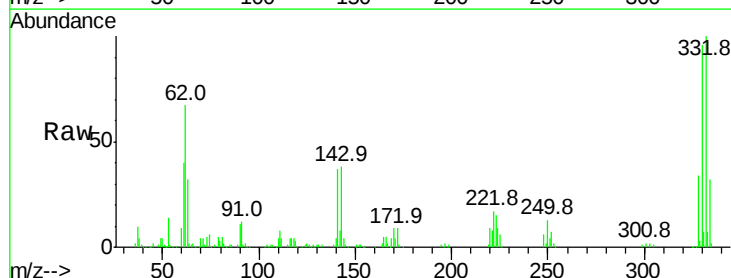
Tgt Ion:248 Resp: 16719

Ion Ratio Lower Upper

248 100

250 202.5 76.9 115.3#

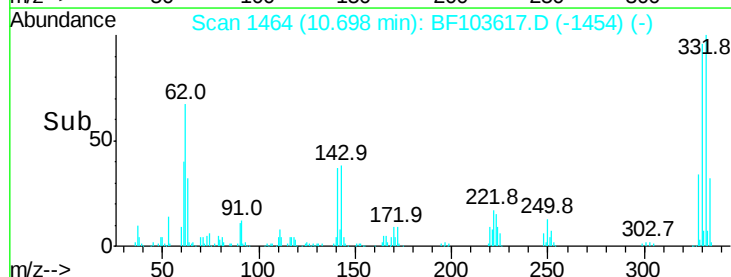
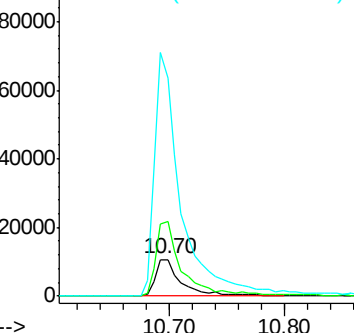
141 592.6 74.4 111.6#

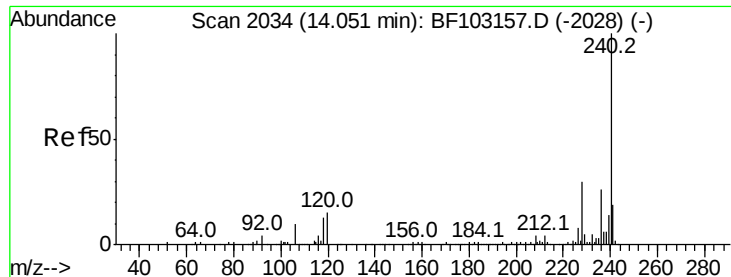


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF103617.D

Acq: 13 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

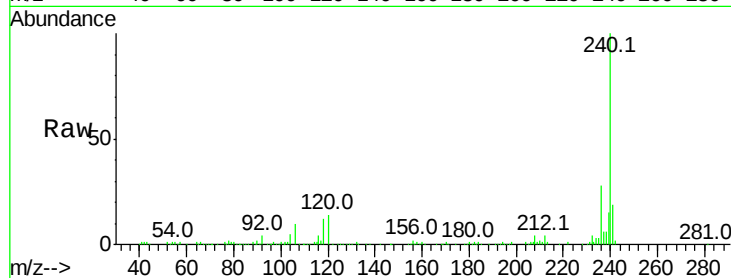
Tot Ion:240 Resp: 278397

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

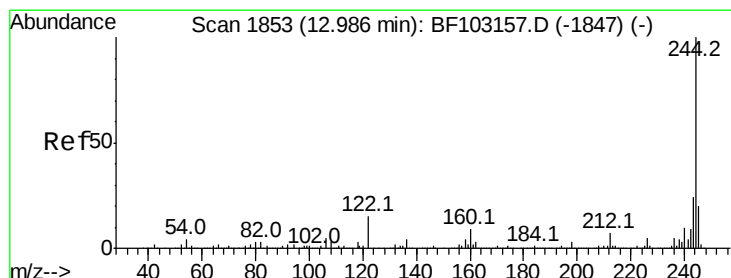
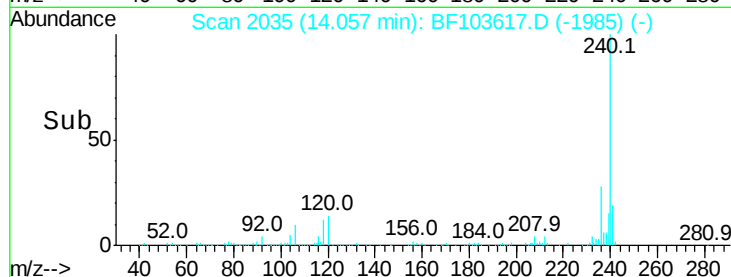
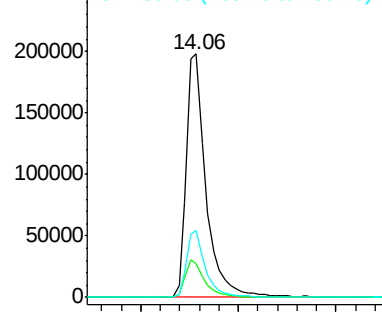
236 27.6 20.7 31.1



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: 110.875 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103617.D

Acq: 13 Mar 2018 21:02

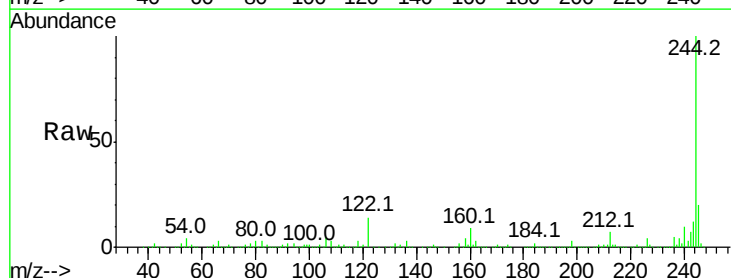
Tgt Ion:244 Resp: 1284072

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

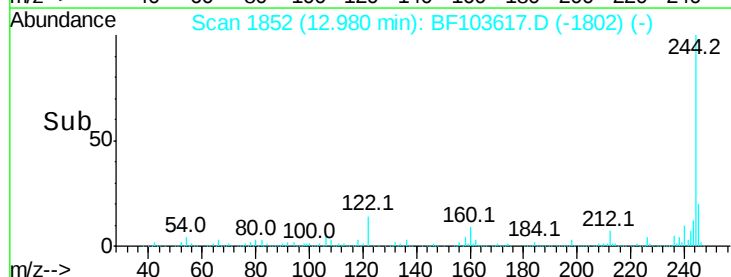
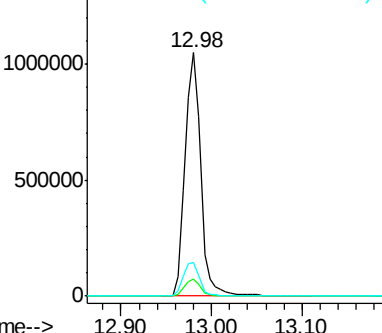
122 14.0 11.0 16.4

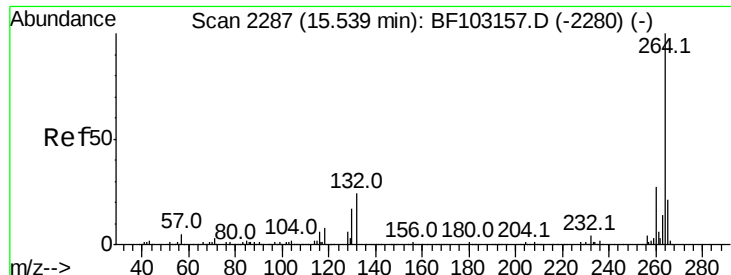


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

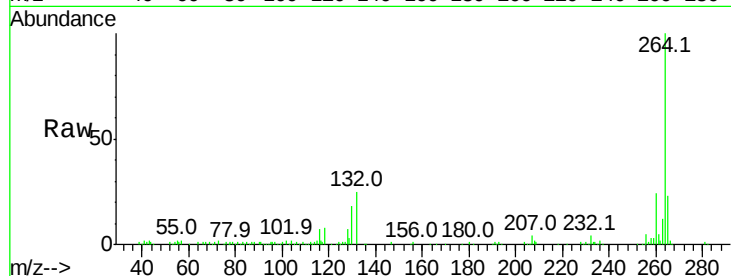




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103617.D
Acq: 13 Mar 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 228992
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.6 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

