

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103613.D
 Acq On : 13 Mar 2018 19:15
 Operator : SJ/JU
 Sample : J1776-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 22:06:01 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

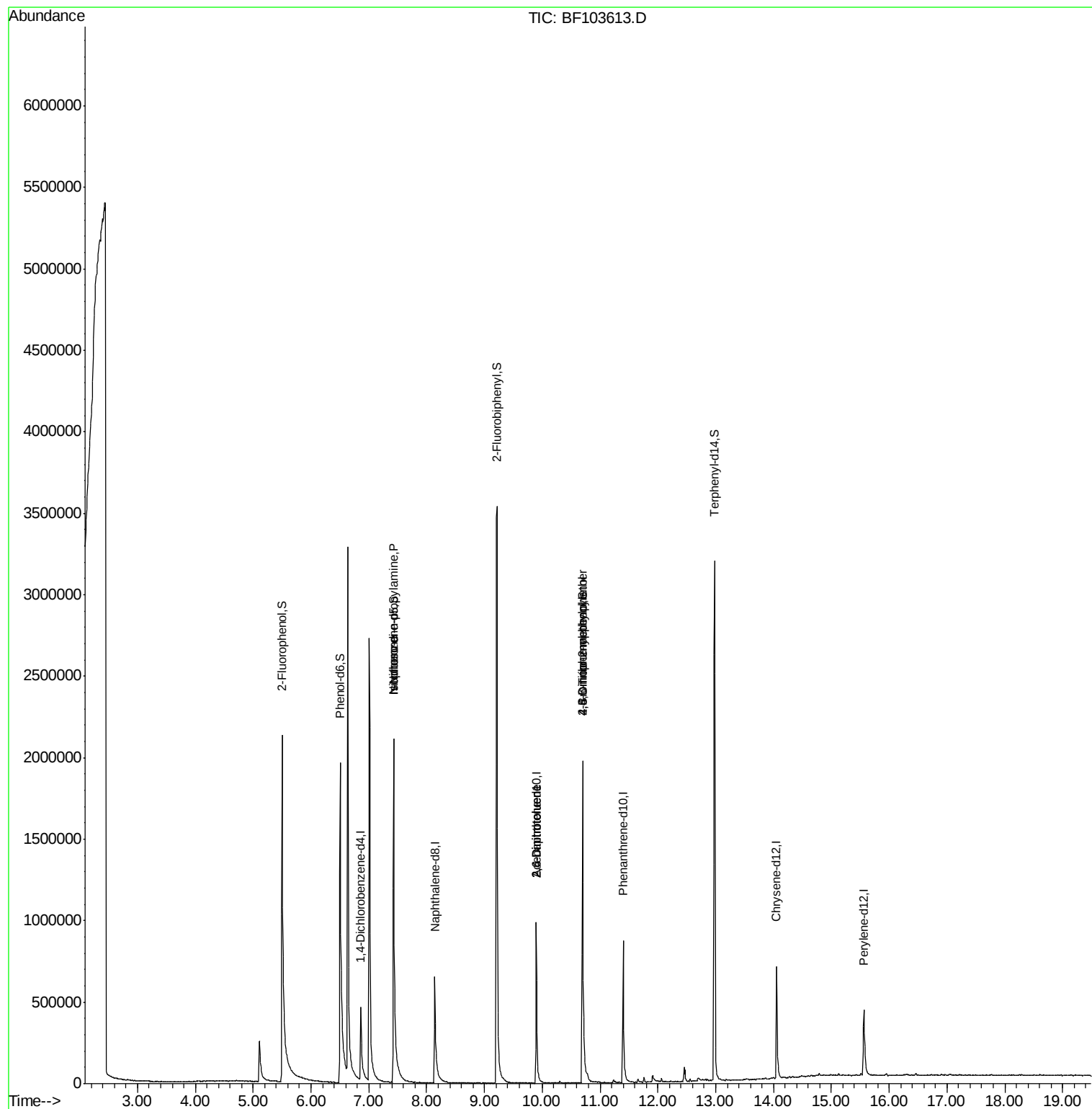
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	132605	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	598221	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	264046	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	498372	20.00	ng	0.00
75) Chrysene-d12	14.05	240	318628	20.00	ng	-0.01
86) Perylene-d12	15.56	264	263610	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1206091	137.56	ng	0.01
7) Phenol-d6	6.50	99	1245870	116.13	ng	0.00
23) Nitrobenzene-d5	7.43	82	1125706	107.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	301450	134.88	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1599053	112.66	ng	0.00
78) Terphenyl-d14	12.98	244	1322973	99.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1877	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.43	70	142612	21.358	ng	# 85
25) Isophorone	7.43	82	1140228	55.268	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	33137	7.455	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	33668	5.989	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.69	198	516	5.098	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	20697	3.987	ng	# 1

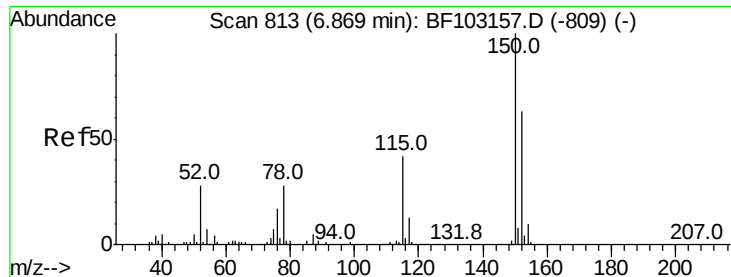
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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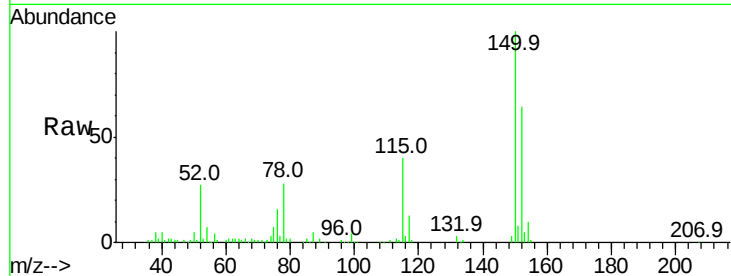


#1

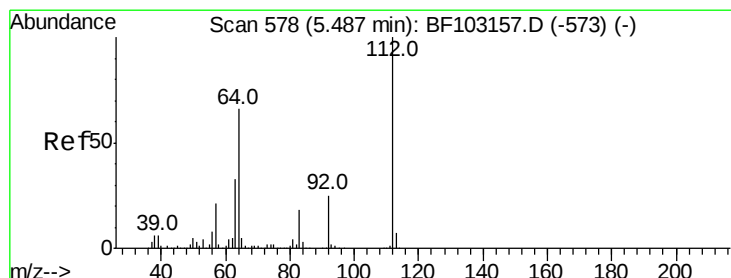
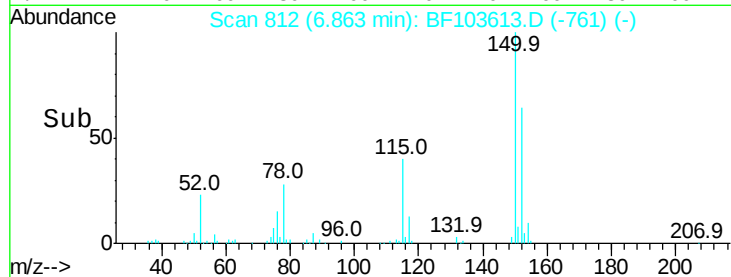
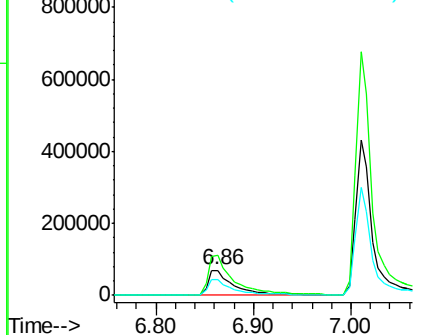
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132605
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 62.2 50.1 75.1



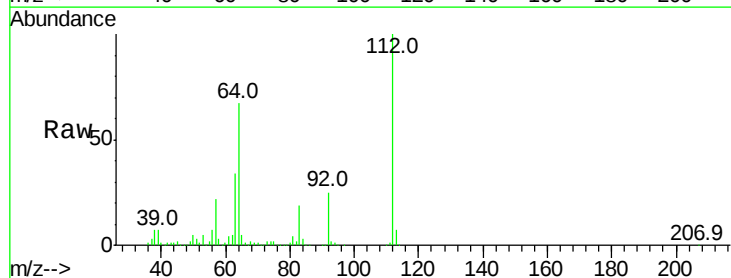
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



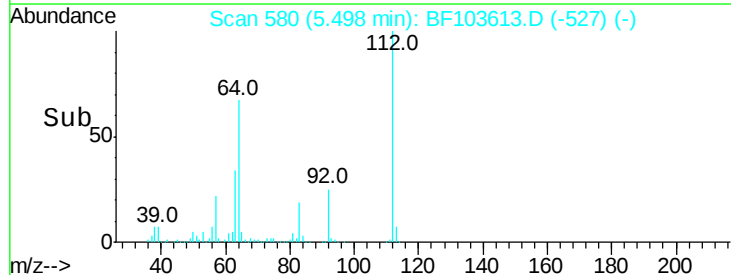
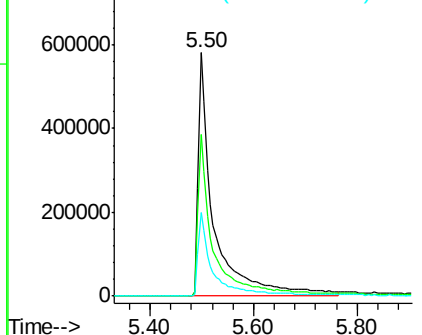
#5

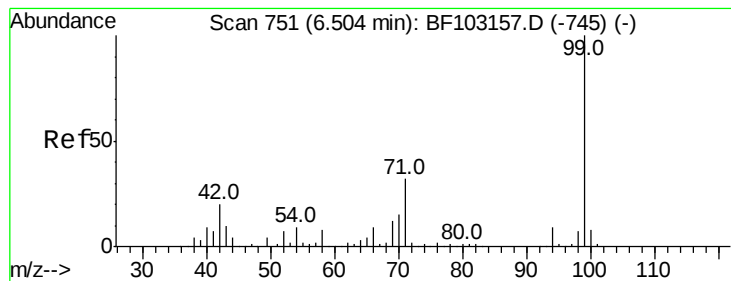
2-Fluorophenol
Concen: 137.561 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Tgt Ion:112 Resp: 1206091
Ion Ratio Lower Upper
112 100
64 66.6 47.9 71.9
63 34.3 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: 116.126 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

Instrument :

BNA_F

ClientSampleId :

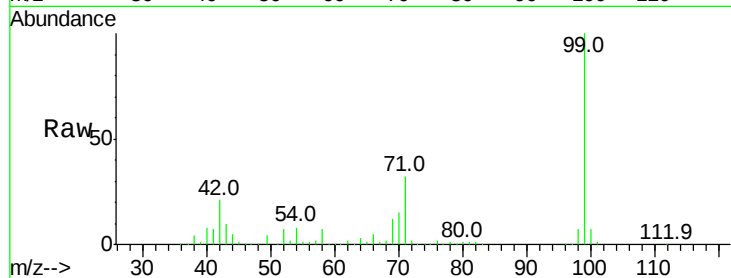
Tot Ion: 99 Resp: 1245870

Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	32.0	25.4	38.0

99 100

42 20.7 14.5 21.7

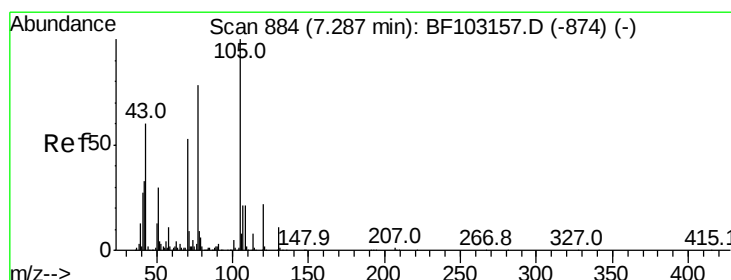
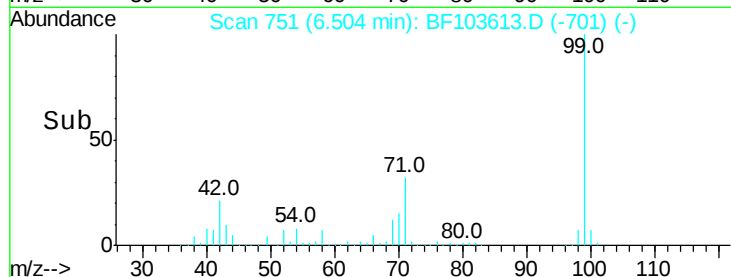
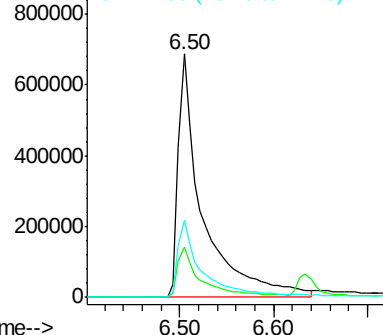
71 32.0 25.4 38.0



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: 21.358 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

Tgt Ion: 70 Resp: 142612

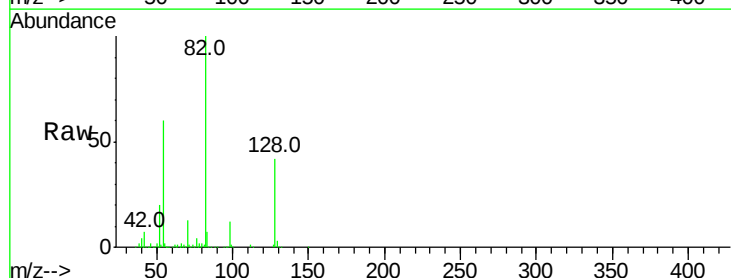
Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

70 100

42 56.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

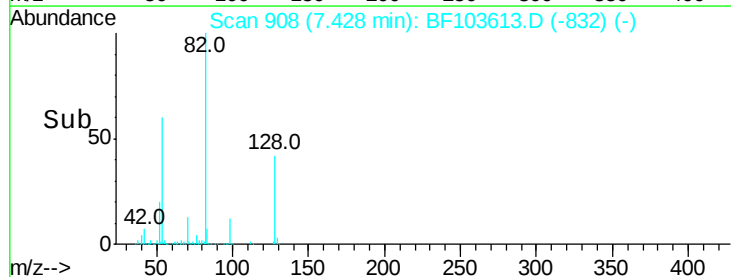
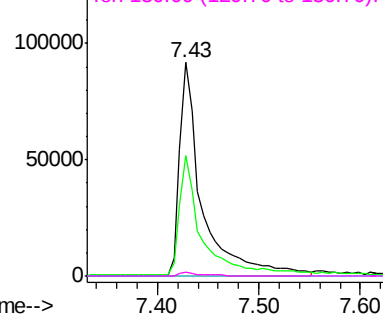


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

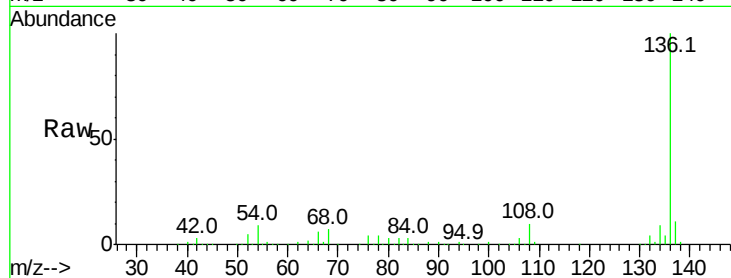




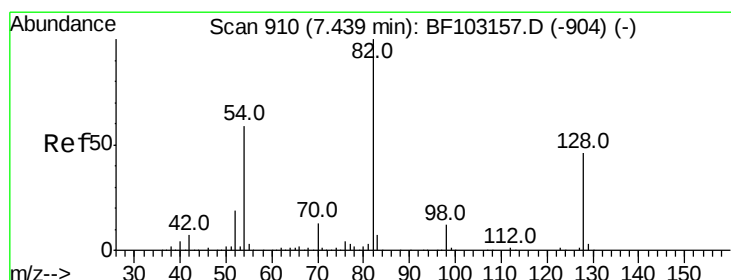
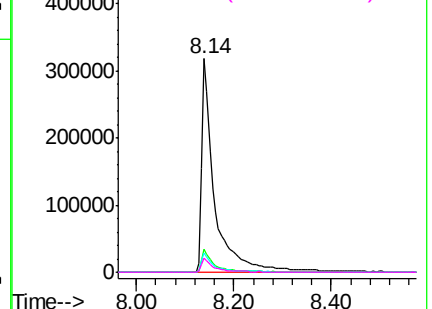
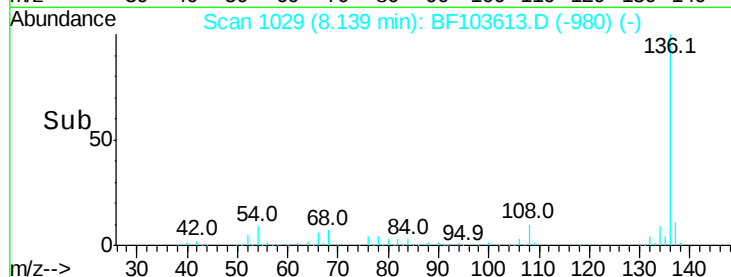
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	598221
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	9.3	6.6 9.8
68	6.6	5.0 7.4

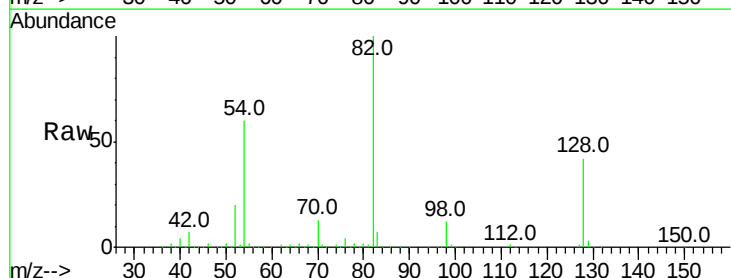


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

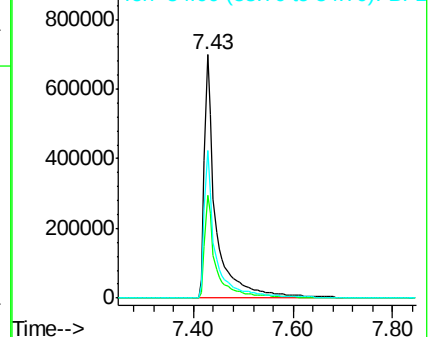
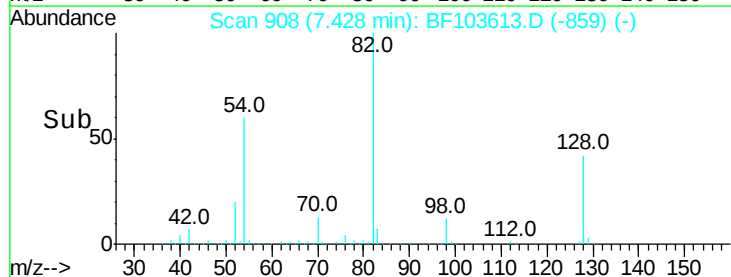


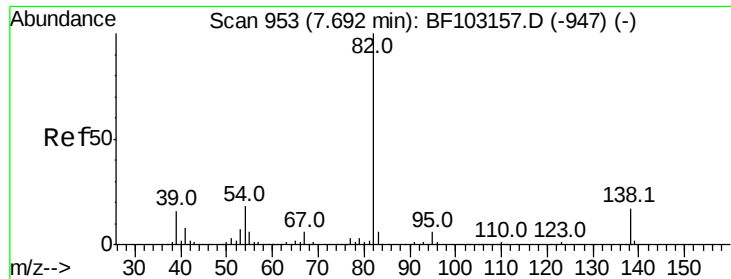
#23
Nitrobenzene-d5
Concen: 107.464 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Tgt Ion: 82	Resp:	1125706
Ion Ratio	Lower	Upper
82	100	
128	42.4	36.1 54.1
54	60.4	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: 55.268 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

Instrument :

BNA_F

ClientSampled :

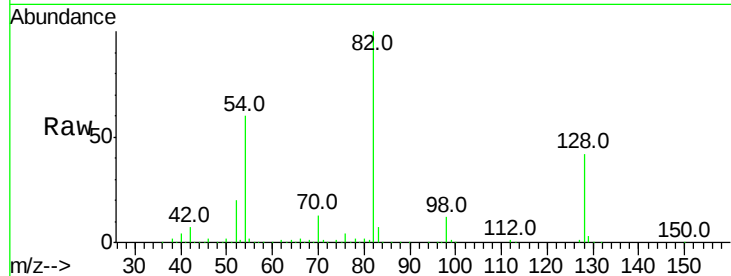
Tot Ion: 82 Resp: 1140228

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

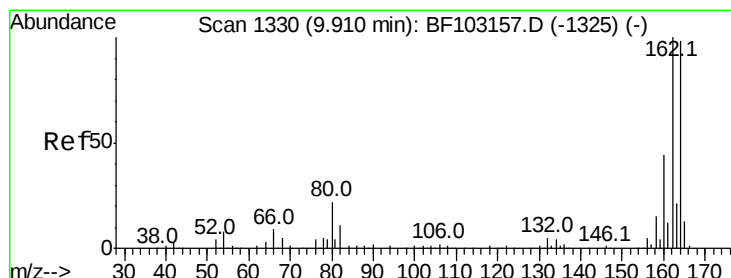
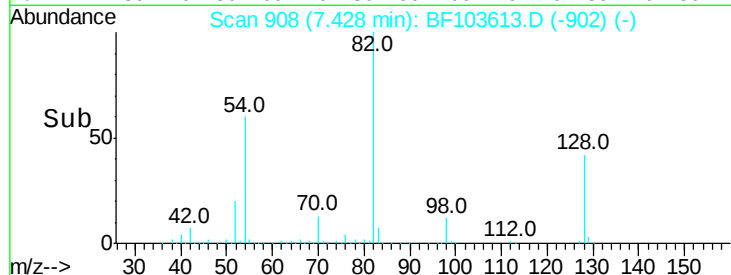
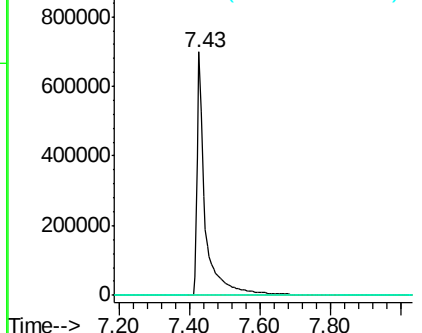
138 0.0 14.9 22.3#



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: BF103613.D

Acq: 13 Mar 2018 19:15

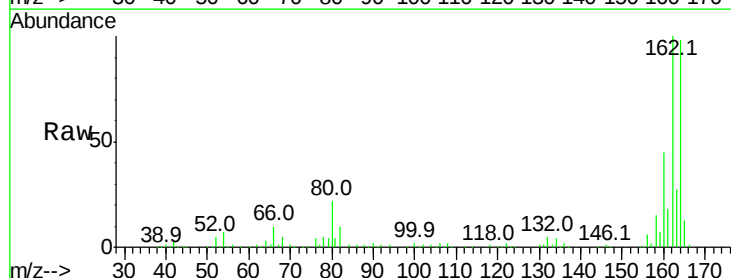
Tgt Ion:164 Resp: 264046

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

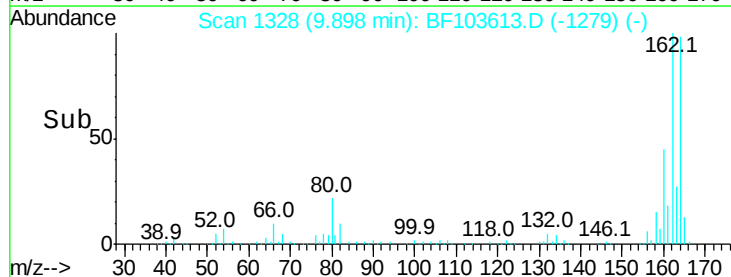
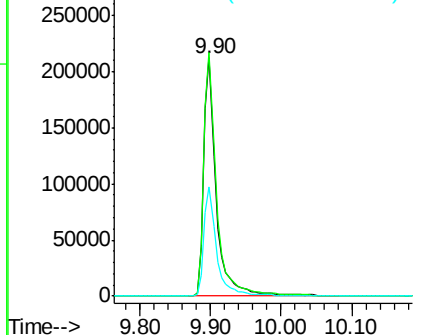
160 46.1 38.3 57.5



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

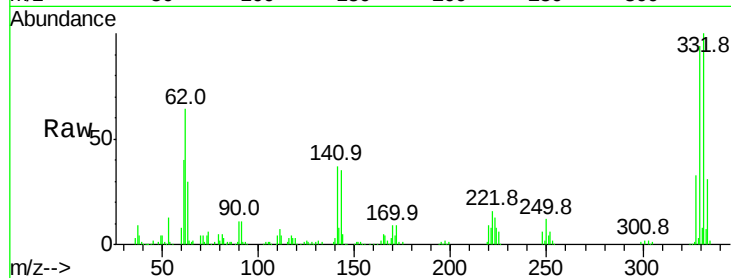




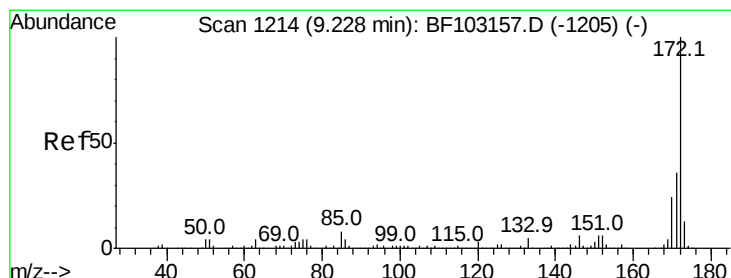
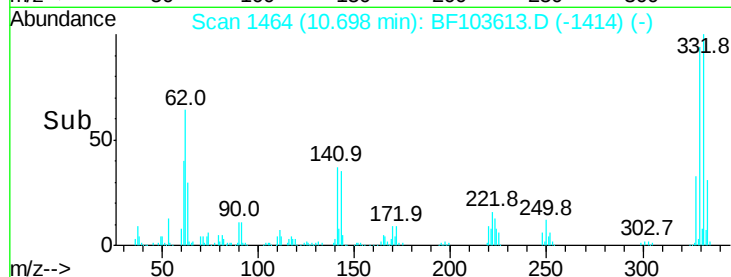
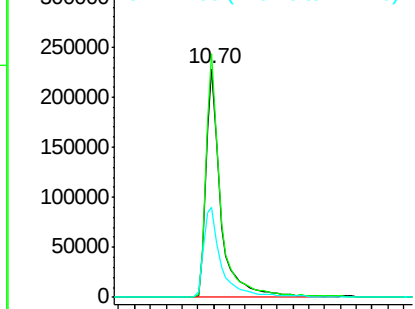
#41
 2,4,6-Tribromophenol
 Concen: 134.877 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103613.D
 Acq: 13 Mar 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 301450
 Ion Ratio Lower Upper
 330 100
 332 105.3 77.0 115.6
 141 46.9 29.9 44.9#

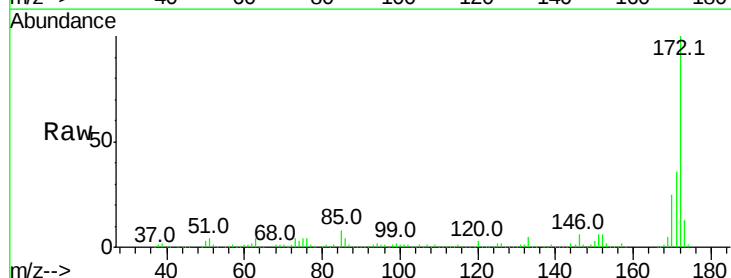


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

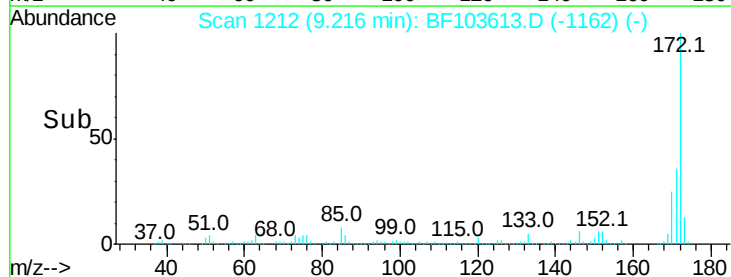
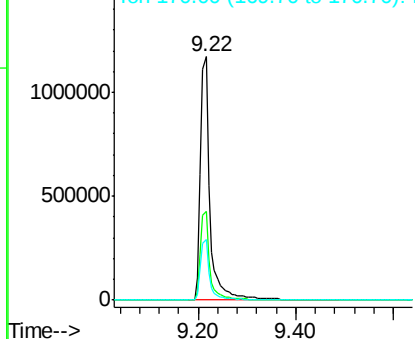


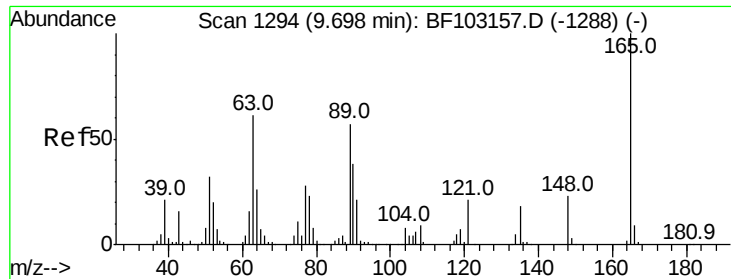
#44
 2-Fluorobiphenyl
 Concen: 112.659 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103613.D
 Acq: 13 Mar 2018 19:15

Tgt Ion:172 Resp: 1599053
 Ion Ratio Lower Upper
 172 100
 171 36.2 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

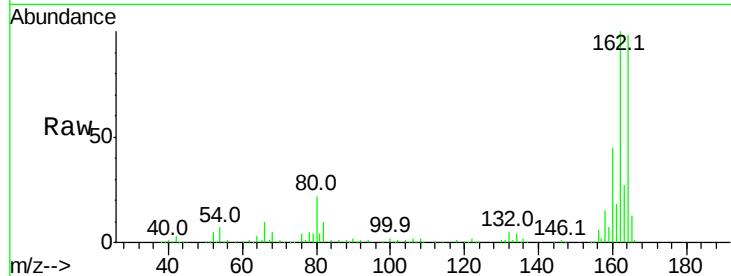




#50
2,6-Dinitrotoluene
Concen: 7.455 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Instrument :
BNA_F
ClientSampleId :

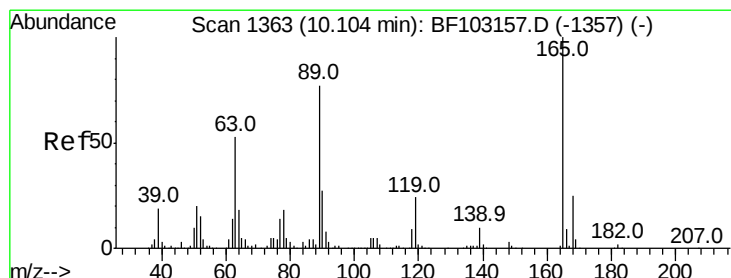
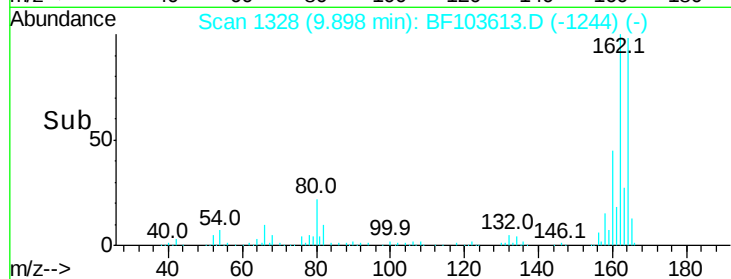
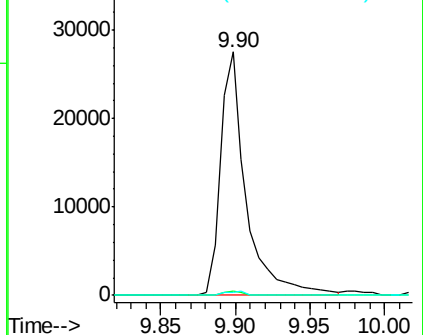
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

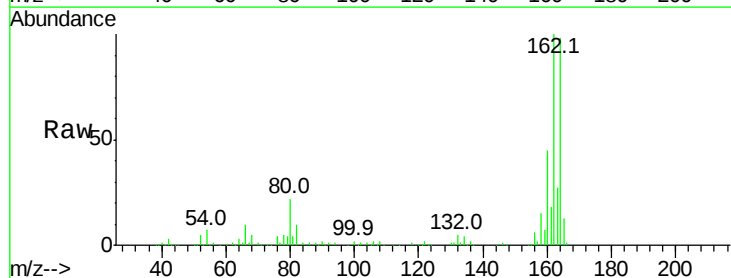
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
2,4-Dinitrotoluene
Concen: 5.989 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

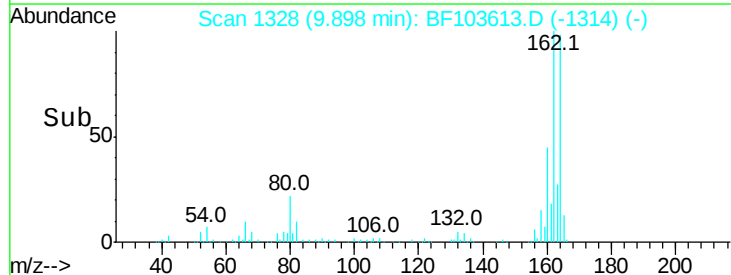
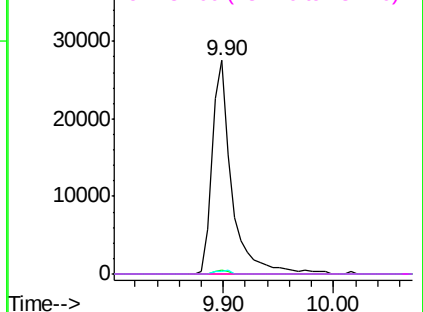


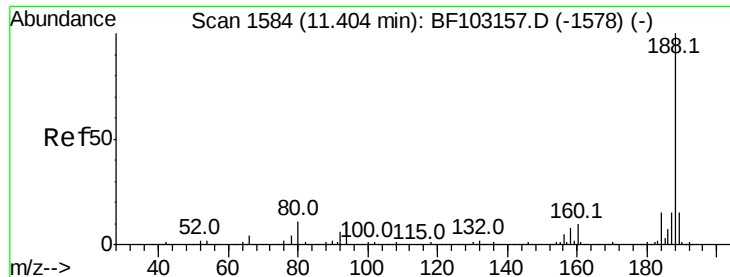
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

Instrument :

BNA_F

ClientSampleId :

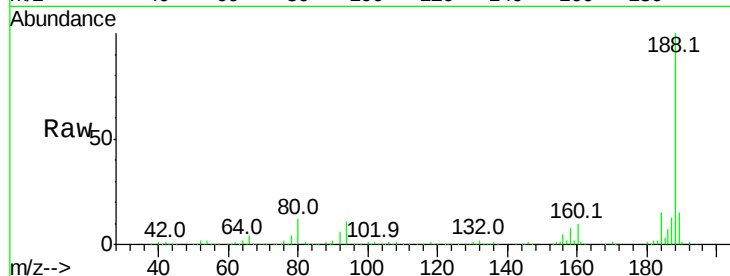
Tot Ion:188 Resp: 498372

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

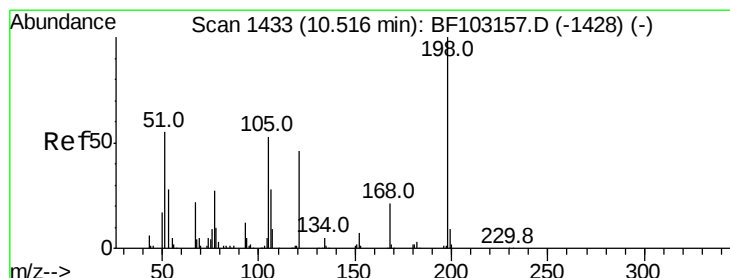
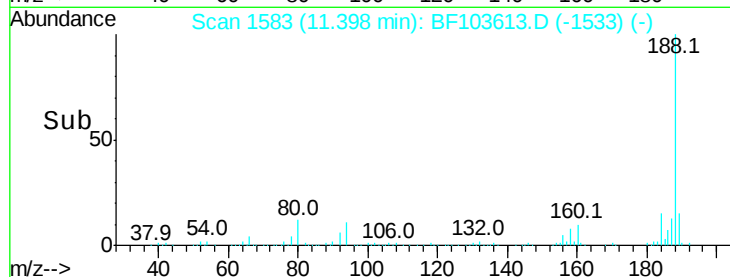
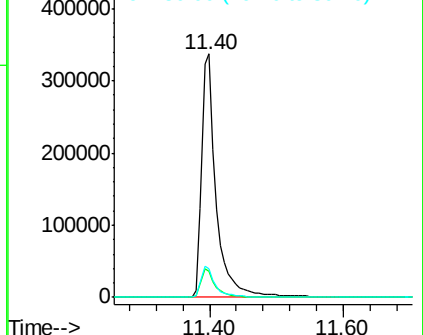
80 11.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.098 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.16 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

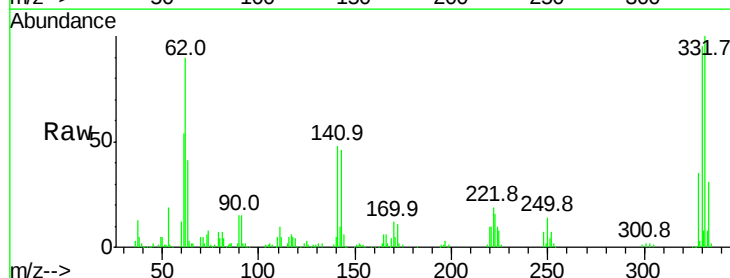
Tgt Ion:198 Resp: 516

Ion Ratio Lower Upper

198 100

51 261.8 37.7 77.7#

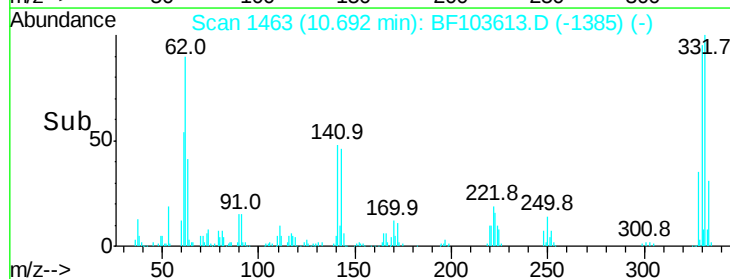
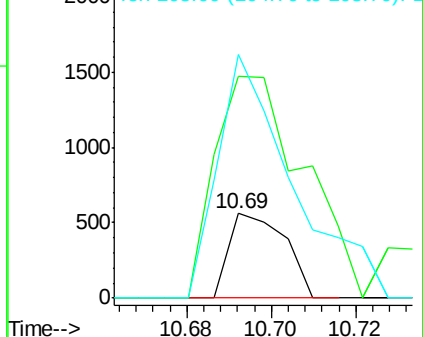
105 287.4 36.3 76.3#

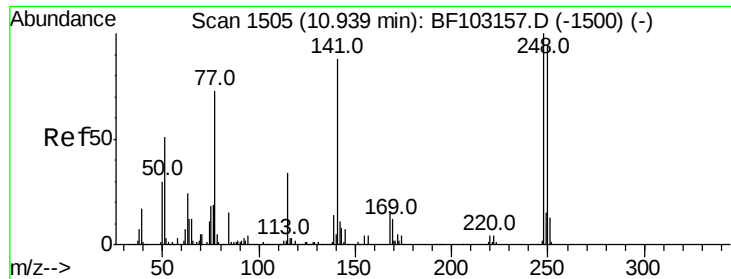


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

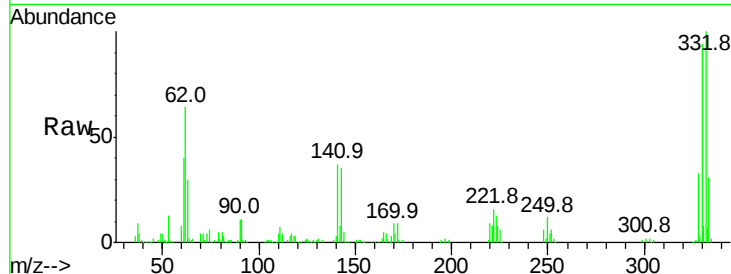




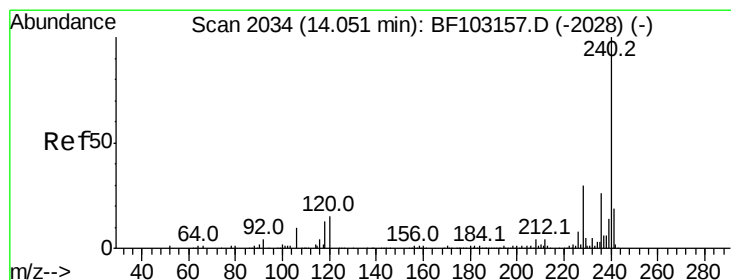
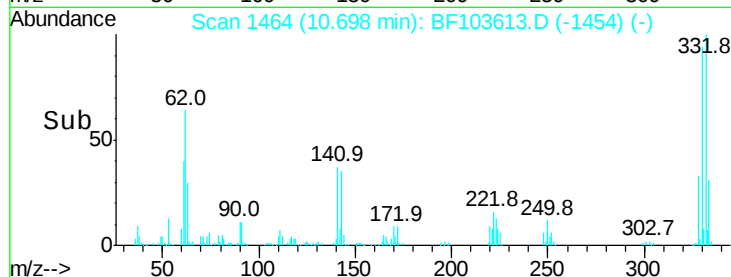
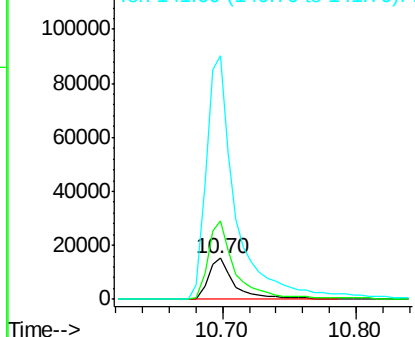
#66
4-Bromophenyl-phenylether
Concen: 3.987 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 20697
Ion Ratio Lower Upper
248 100
250 192.9 76.9 115.3#
141 594.7 74.4 111.6#

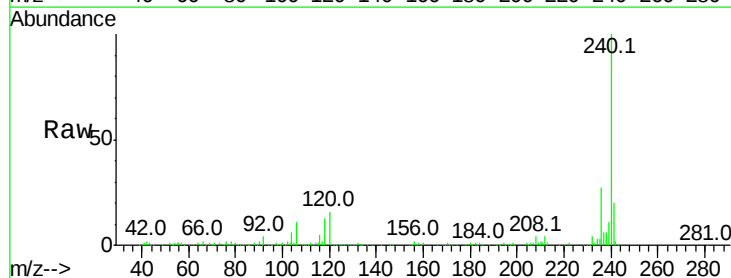


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

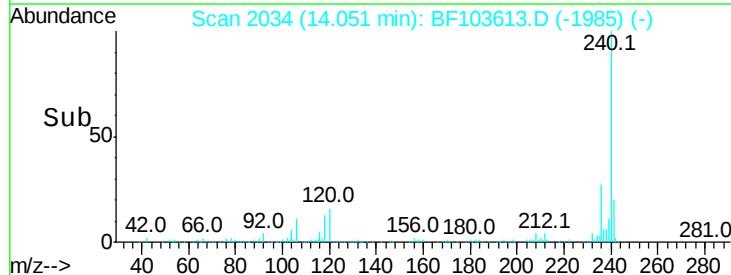
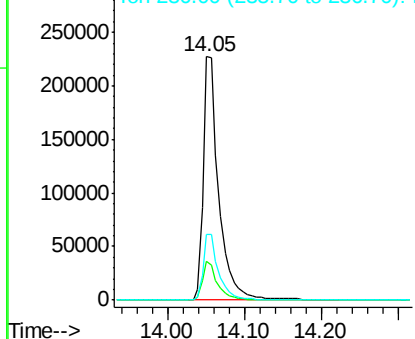


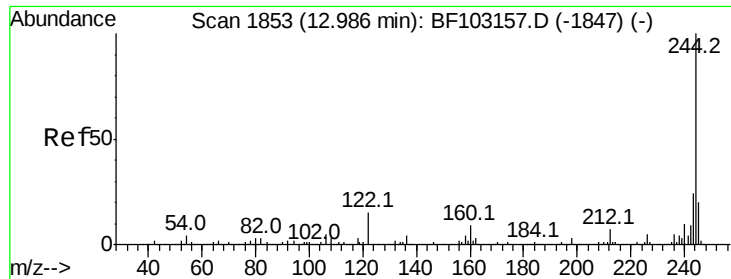
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103613.D
Acq: 13 Mar 2018 19:15

Tgt Ion:240 Resp: 318628
Ion Ratio Lower Upper
240 100
120 16.1 9.5 14.3#
236 27.1 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: 99.811 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103613.D

Acq: 13 Mar 2018 19:15

Instrument :

BNA_F

ClientSampleId :

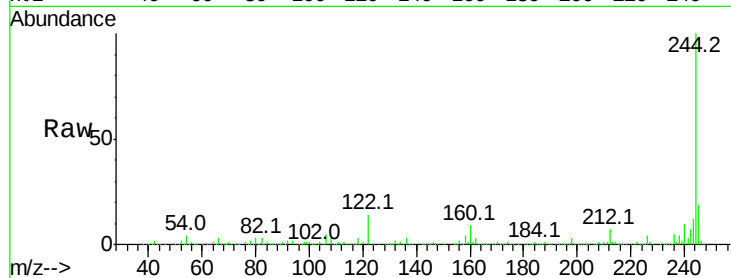
Tot Ion:244 Resp: 1322973

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

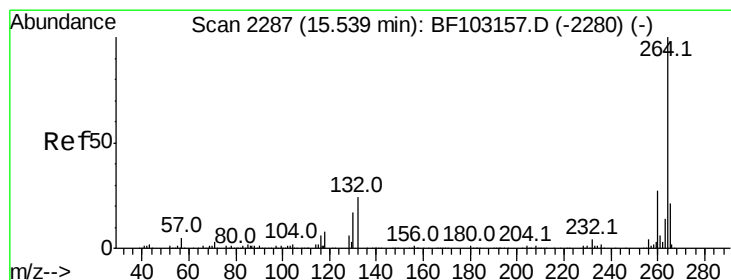
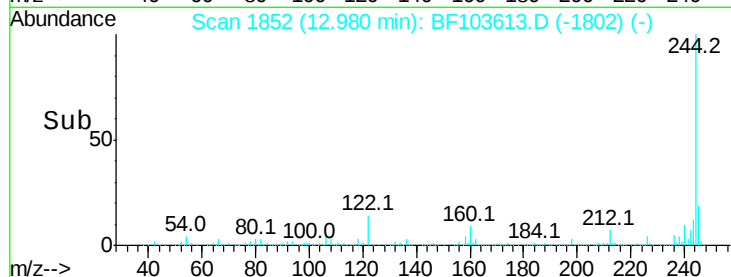
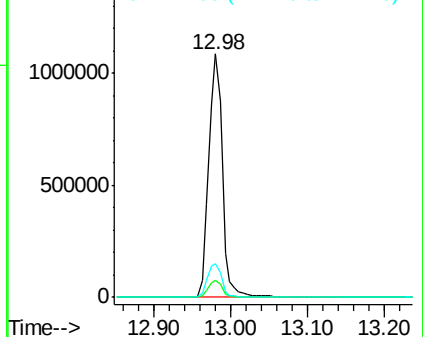
122 13.8 11.0 16.4



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: BF103613.D

Acq: 13 Mar 2018 19:15

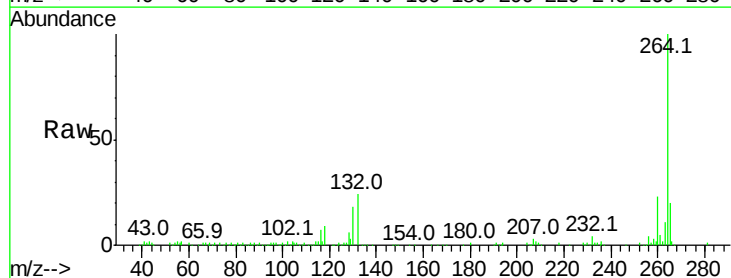
Tgt Ion:264 Resp: 263610

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 19.9 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

