

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103279.D
 Acq On : 27 Feb 2018 22:27
 Operator : SJ/JU
 Sample : J1703-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:03:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

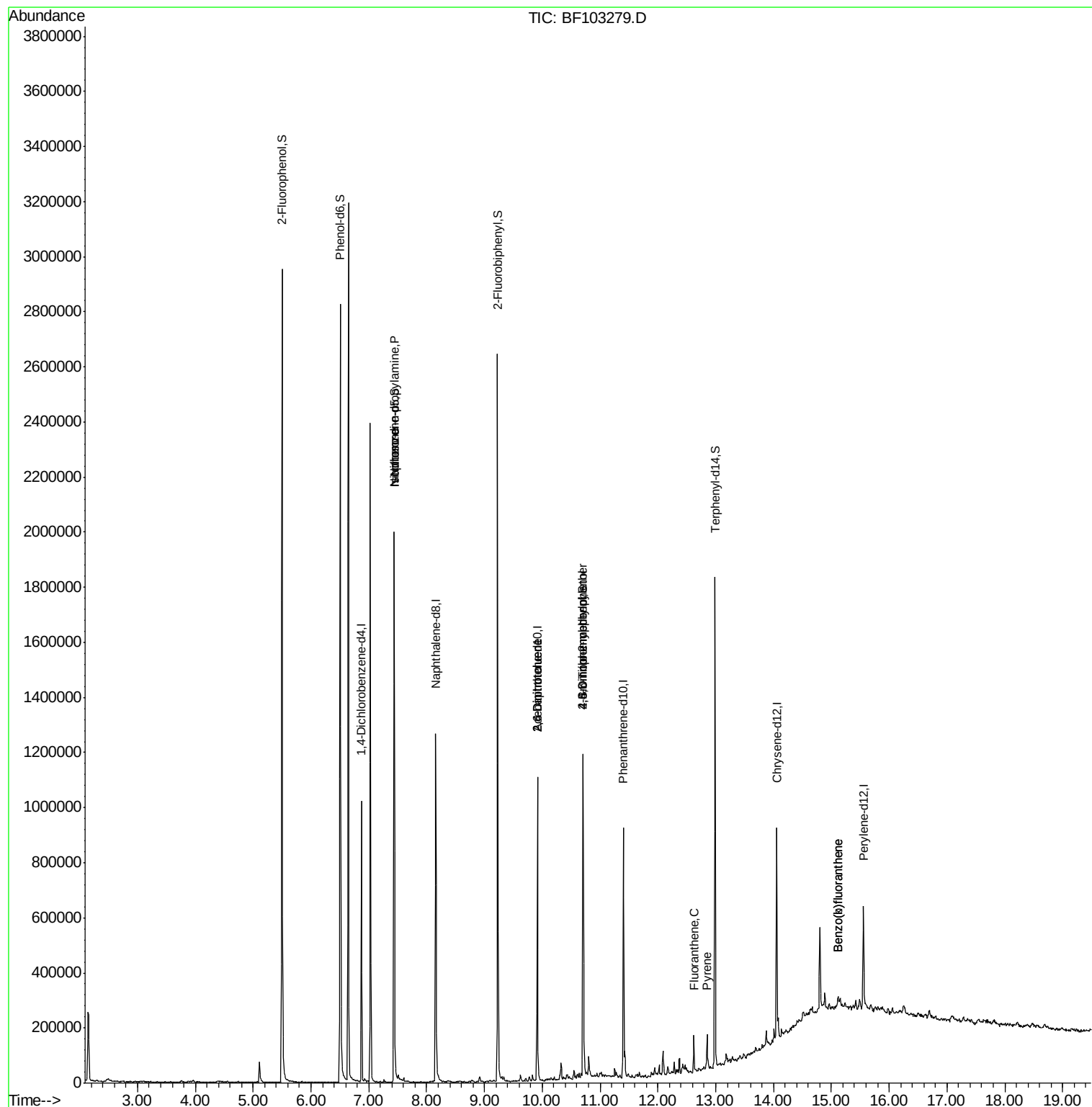
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145719	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	579813	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	215726	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	314656	20.00	ng	0.00
75) Chrysene-d12	14.06	240	246566	20.00	ng	0.00
86) Perylene-d12	15.56	264	170156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	876087	90.93	ng	0.00
7) Phenol-d6	6.51	99	1024476	86.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	635041	62.55	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	139861	76.59	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	872026	65.96	ng	0.00
78) Terphenyl-d14	12.99	244	607365	59.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	83608	11.39	ng	# 80
25) Isophorone	7.44	82	635036	31.76	ng	# 64
50) 2,6-Dinitrotoluene	9.92	165	27736	7.64	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	27736	6.04	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	110	5.00	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	9558	2.92	ng	# 1
74) Fluoranthene	12.62	202	48083	2.76	ng	97
77) Pyrene	12.85	202	46995	2.44	ng	99
87) Benzo(b)fluoranthene	15.12	252	27777	2.48	ng	# 68
88) Benzo(k)fluoranthene	15.12	252	27777	2.64	ng	# 71

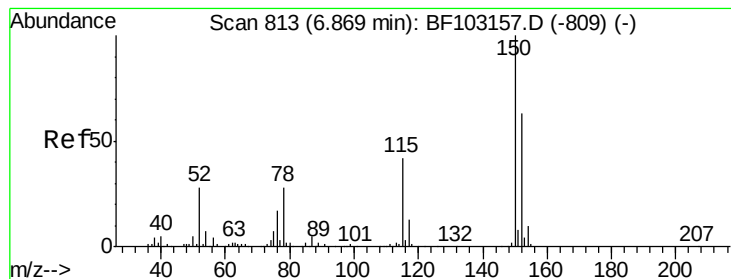
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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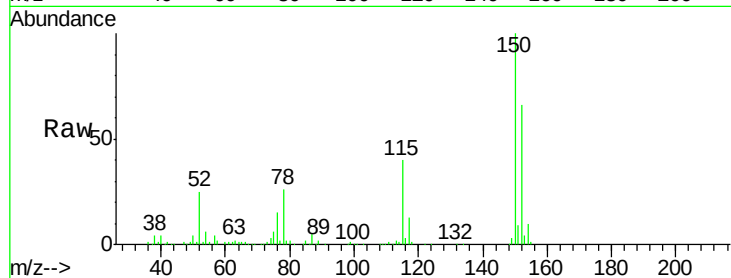


#1

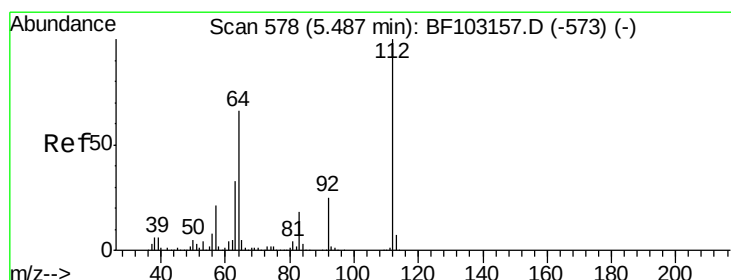
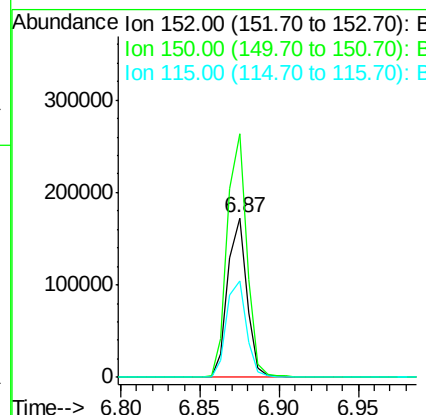
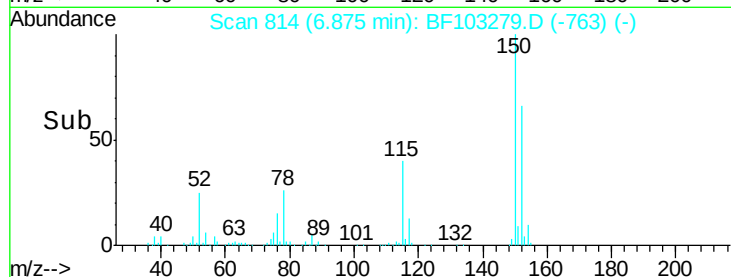
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145719
Ion Ratio Lower Upper
152 100
150 152.6 124.6 186.8
115 60.6 50.1 75.1



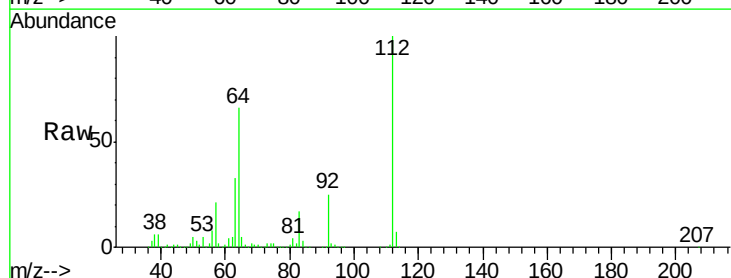
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



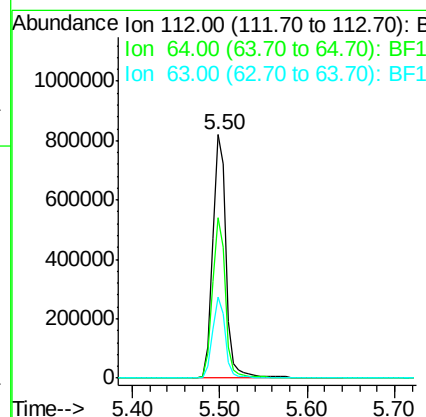
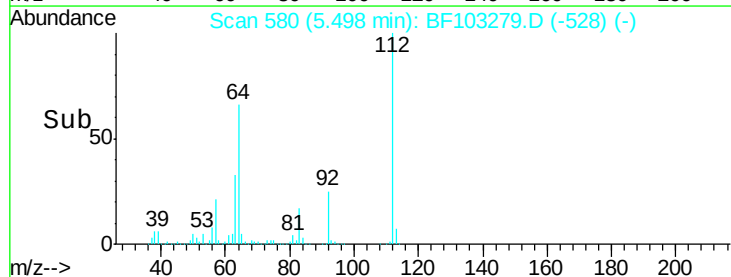
#5

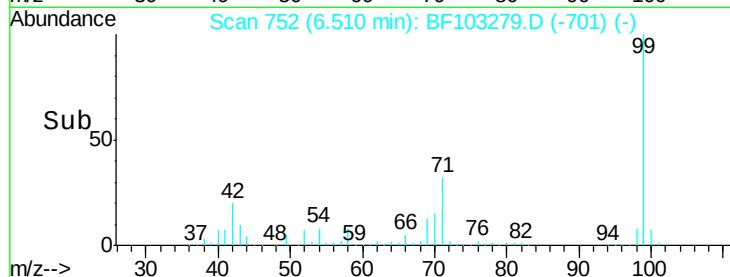
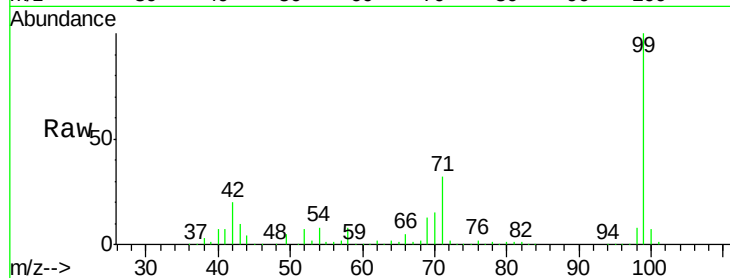
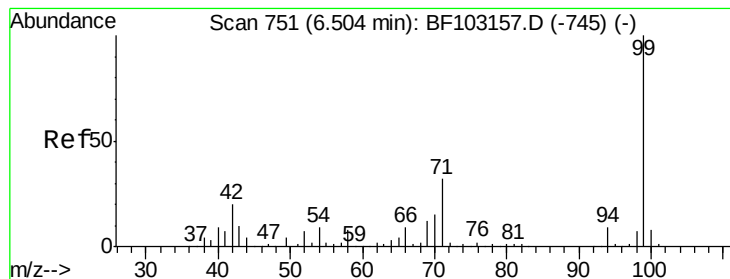
2-Fluorophenol
Concen: 90.93 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Tgt Ion:112 Resp: 876087
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 33.1 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: 86.90 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

Instrument :

BNA_F

ClientSampleId :

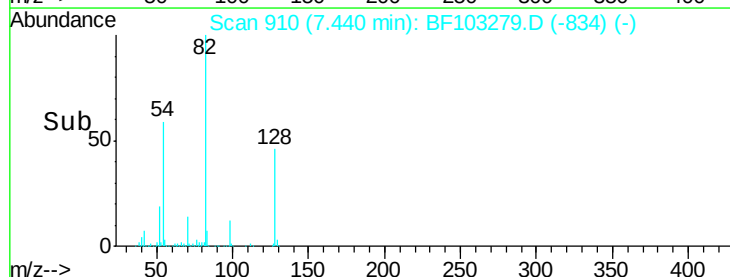
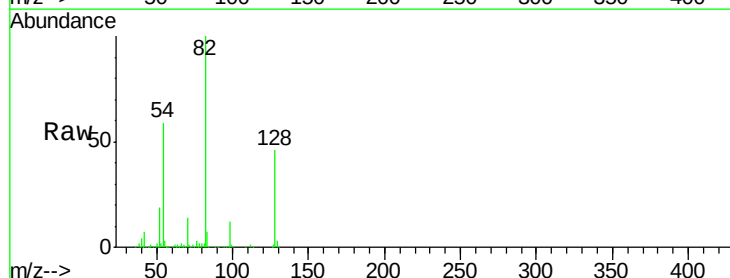
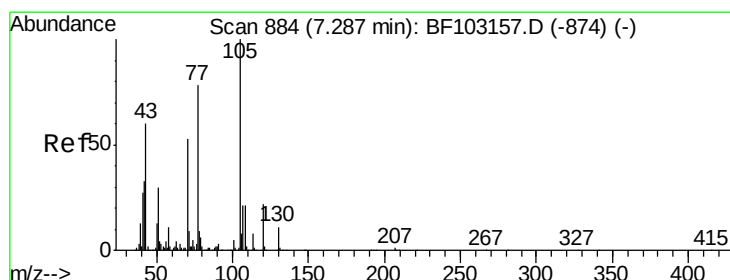
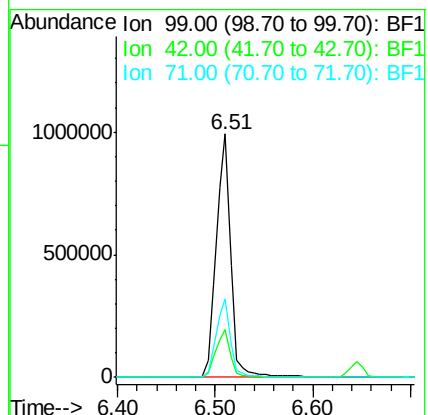
Tot Ion: 99 Resp: 1024476

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.39 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

Tgt Ion: 70 Resp: 83608

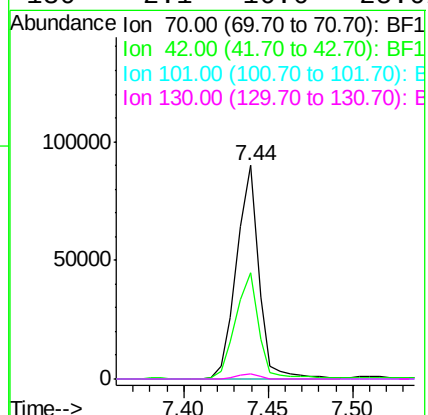
Ion Ratio Lower Upper

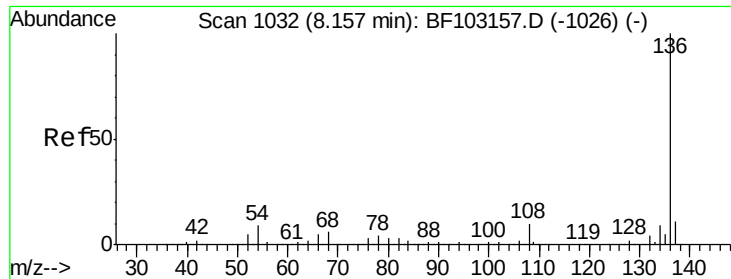
70 100

42 50.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

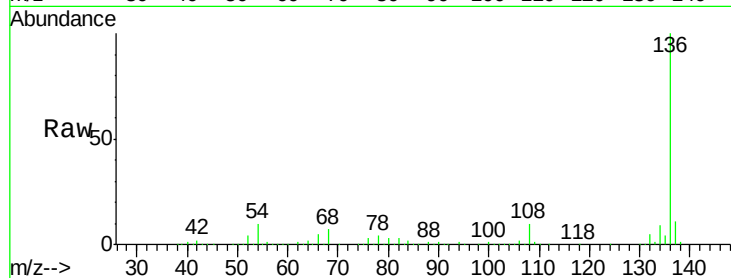




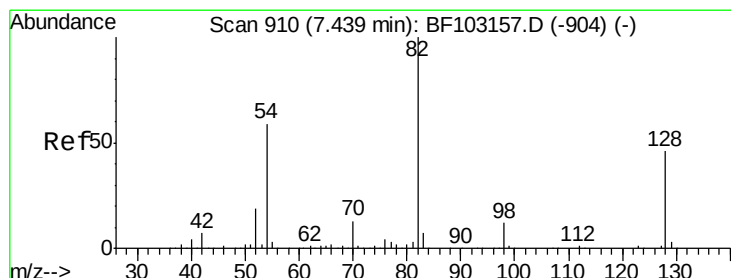
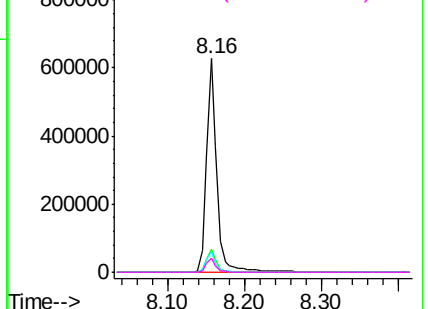
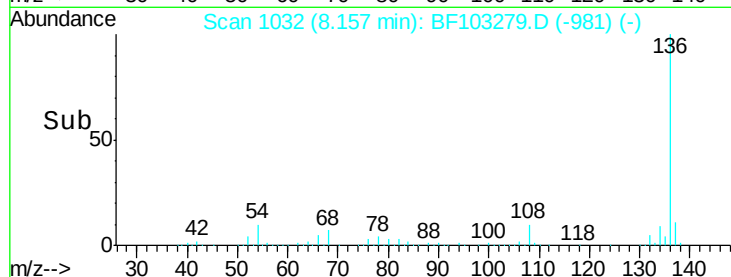
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	579813
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	9.8	6.6 9.8
68	6.7	5.0 7.4

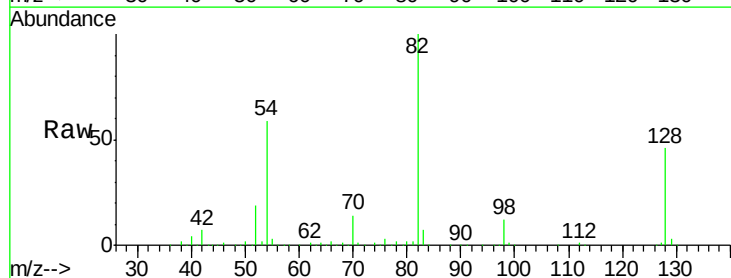


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

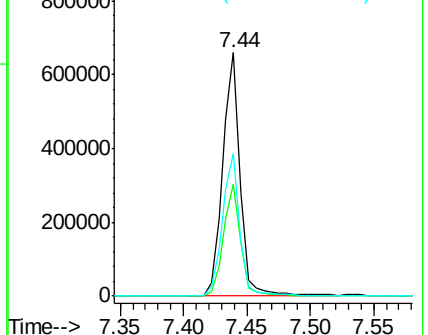
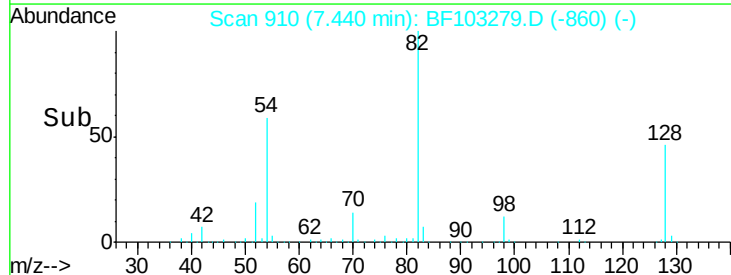


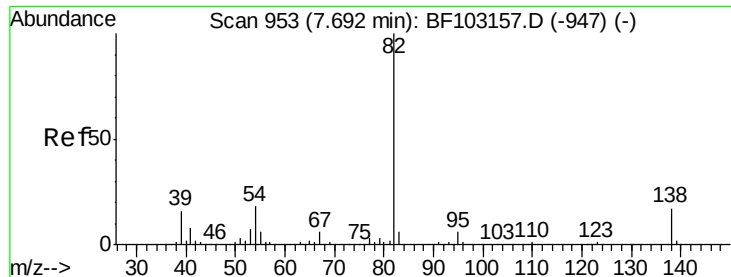
#23
Nitrobenzene-d5
Concen: 62.55 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Tgt Ion: 82	Resp:	635041
Ion	Ratio	Lower Upper
82	100	
128	46.0	36.1 54.1
54	58.7	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: 31.76 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

Instrument :

BNA_F

ClientSampleId :

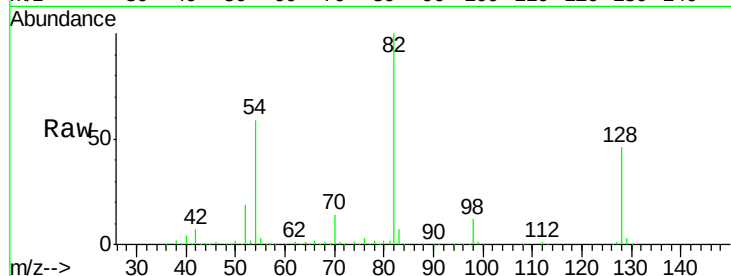
Tot Ion: 82 Resp: 635036

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

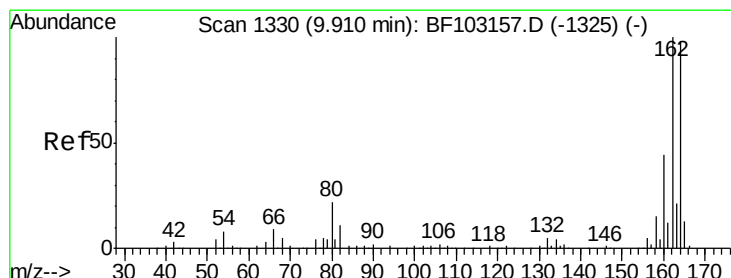
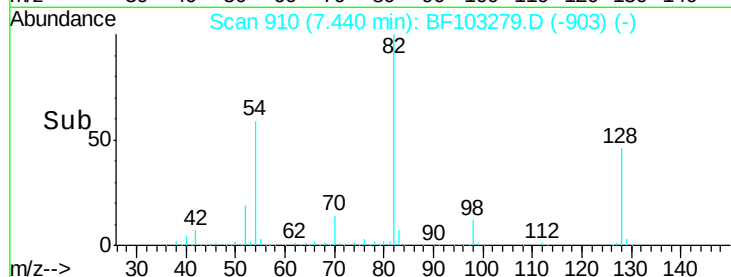
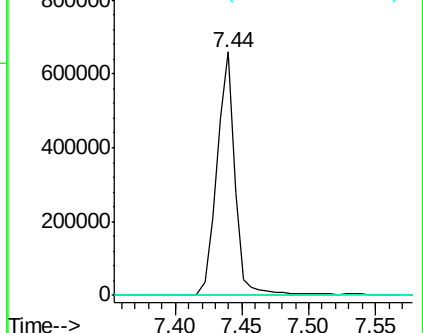
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

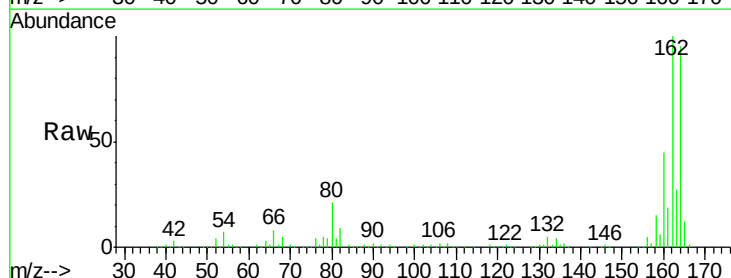
Tgt Ion: 164 Resp: 215726

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

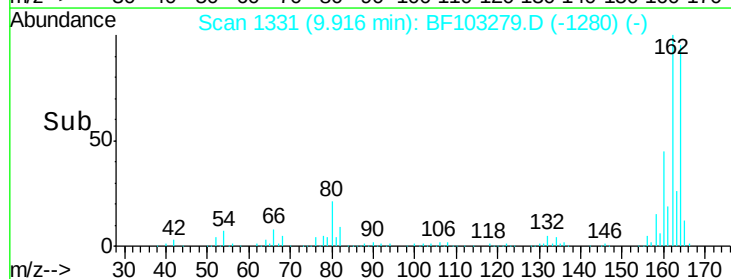
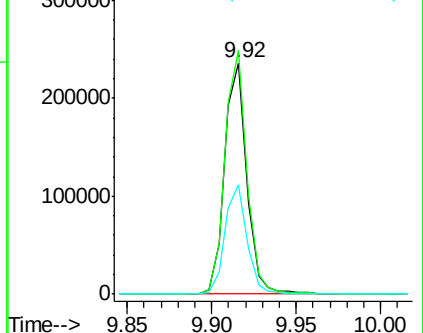
160 47.0 38.3 57.5

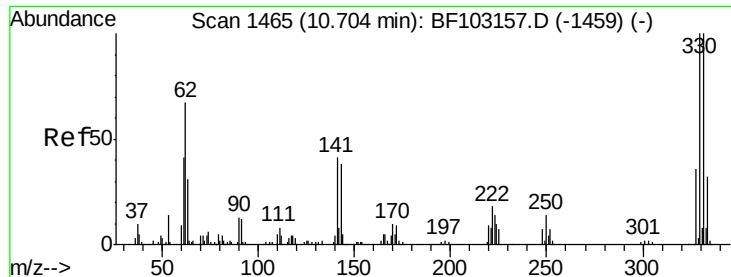


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 76.59 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

Instrument :

BNA_F

ClientSampleId :

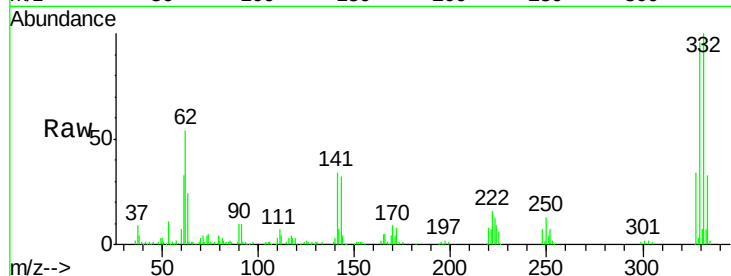
Tot Ion:330 Resp: 139861

Ion Ratio Lower Upper

330 100

332 103.4 77.0 115.6

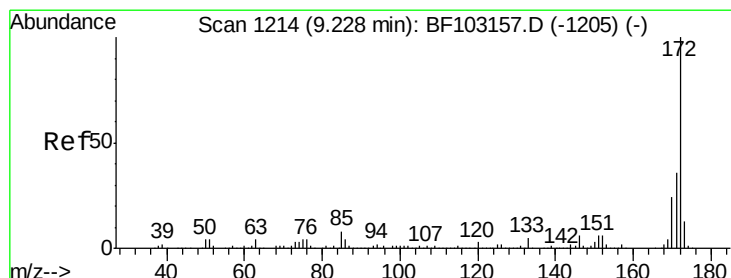
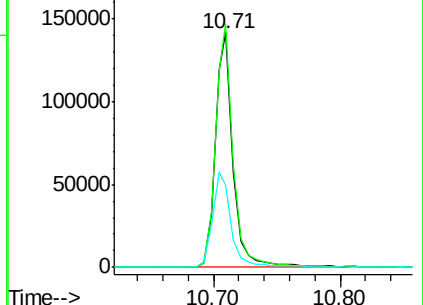
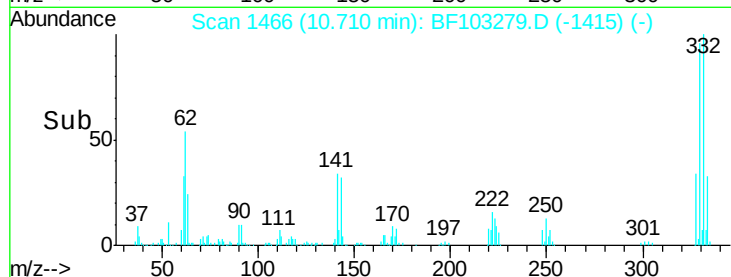
141 43.5 29.9 44.9



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: 65.96 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

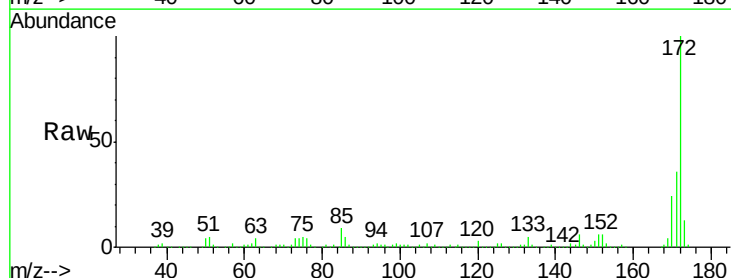
Tgt Ion:172 Resp: 872026

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

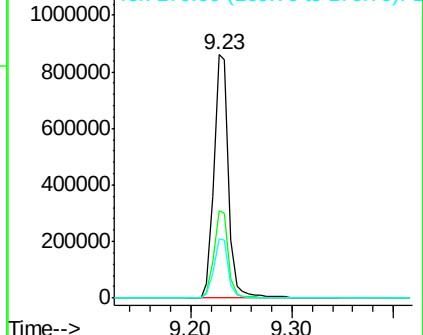
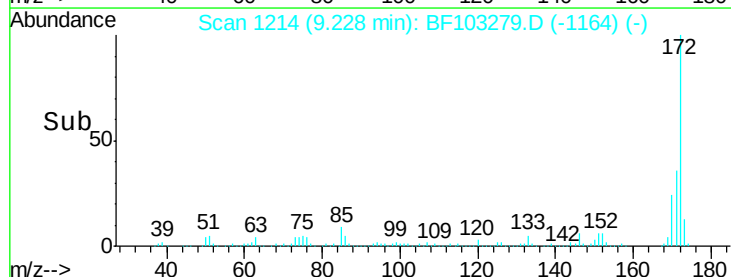
170 24.3 19.6 29.4

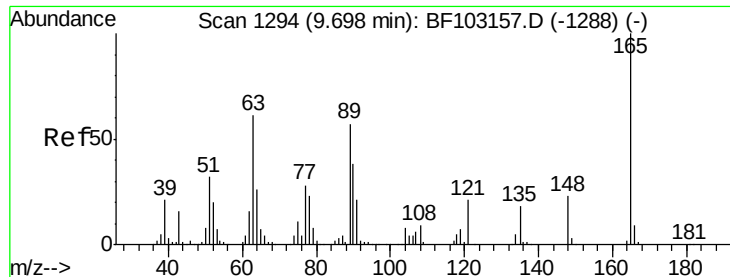


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

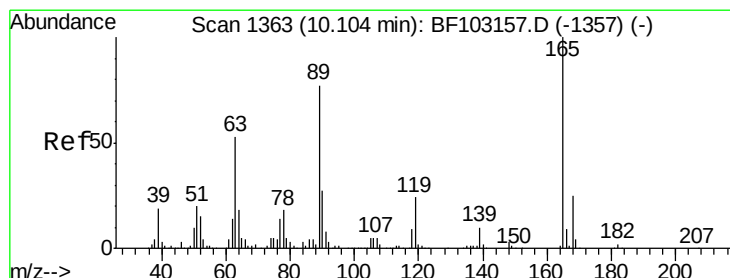
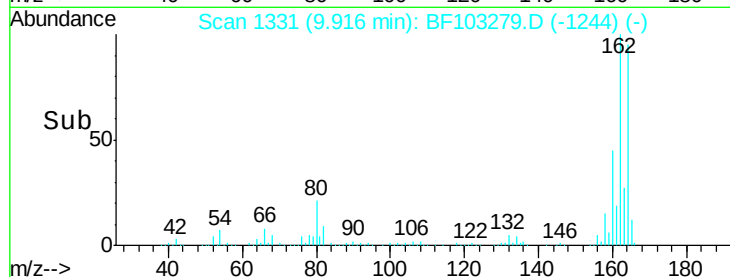
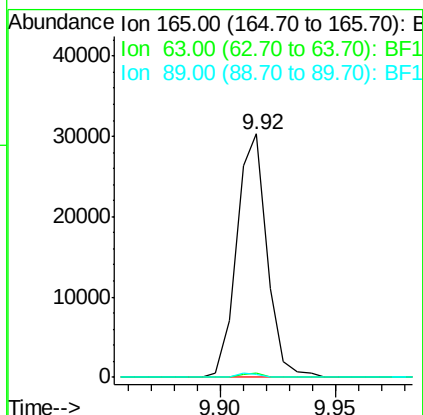
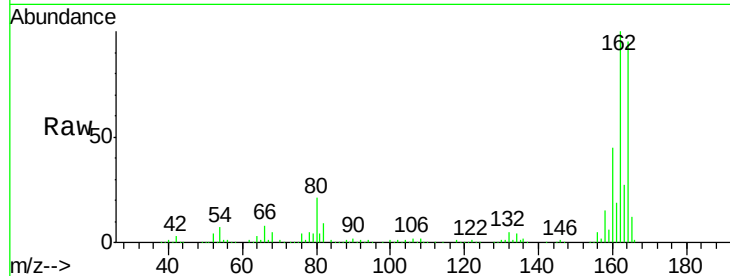




#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103279.D
 Acq: 27 Feb 2018 22:27

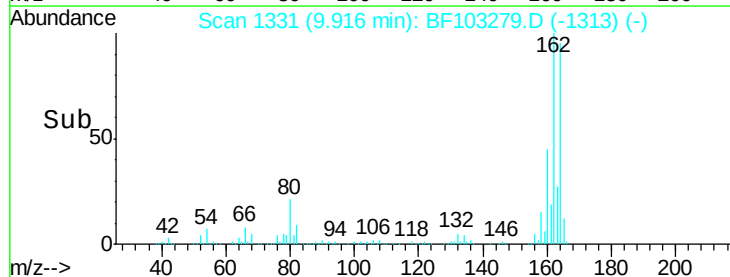
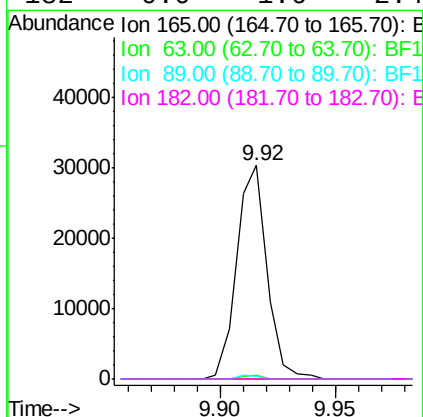
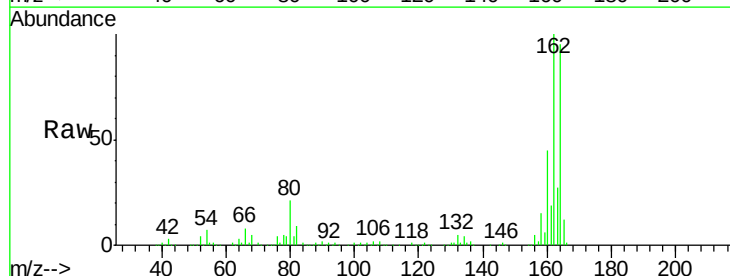
Instrument :
 BNA_F
 ClientSampleId :

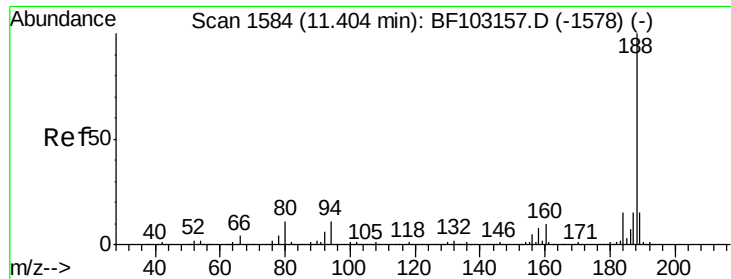
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.04 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103279.D
 Acq: 27 Feb 2018 22:27

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

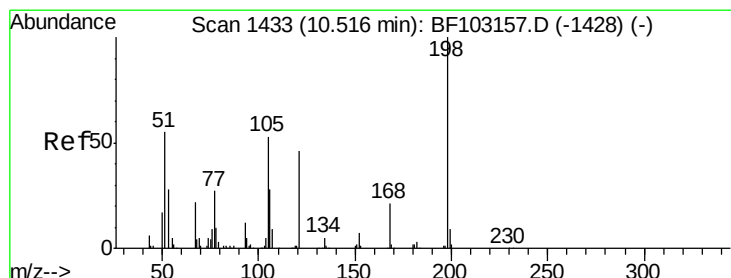
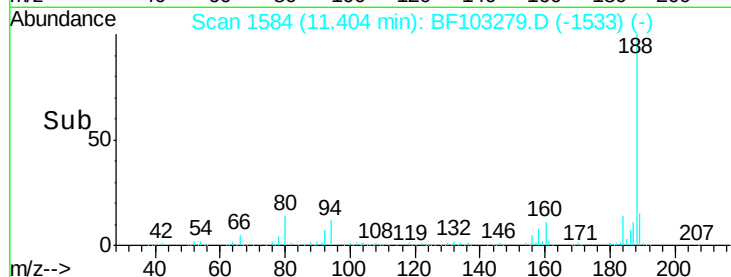
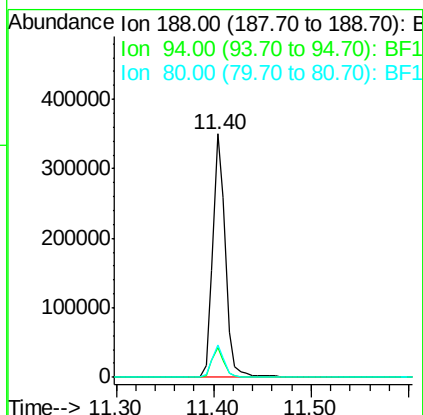
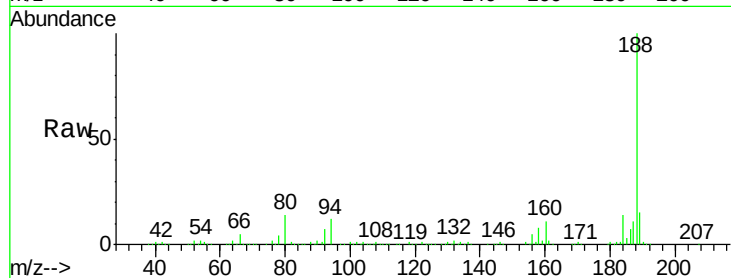




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

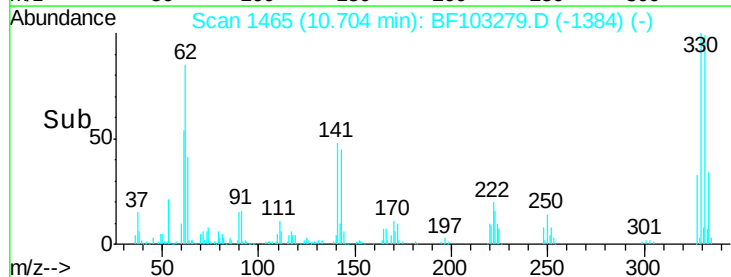
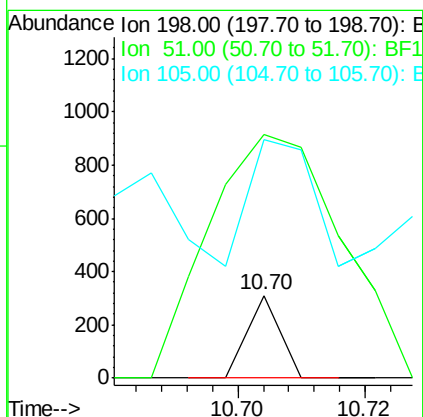
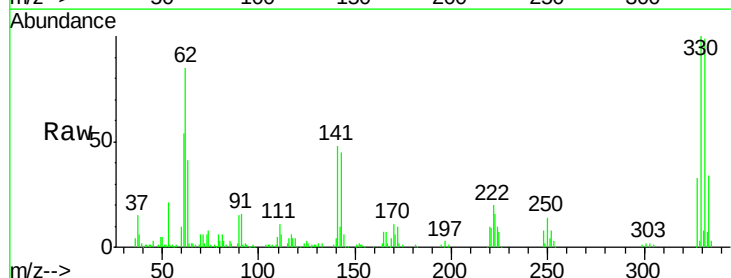
Instrument :
BNA_F
ClientSampleId :

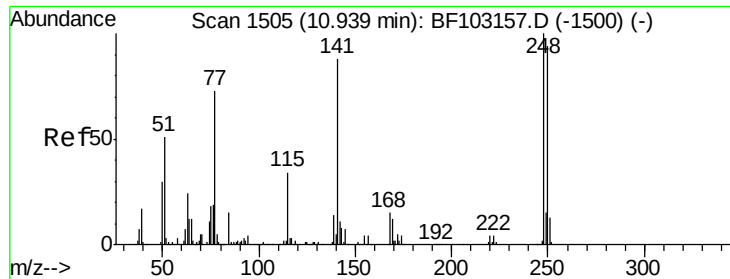
Tot Ion:188 Resp: 314656
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.00 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 293.9 37.7 77.7#
105 287.8 36.3 76.3#

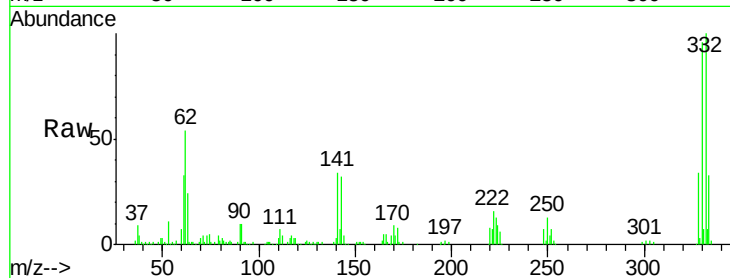




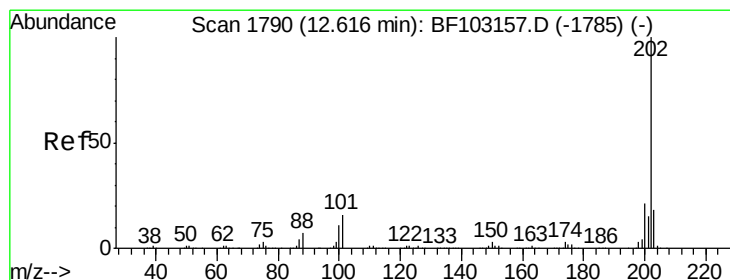
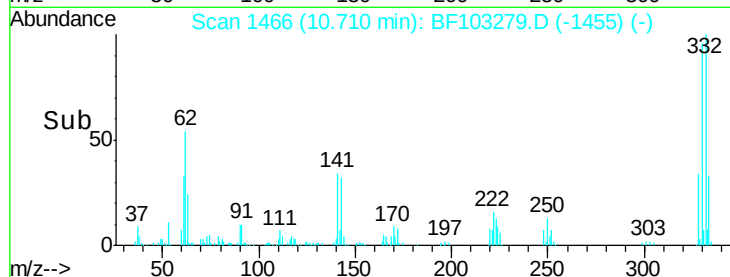
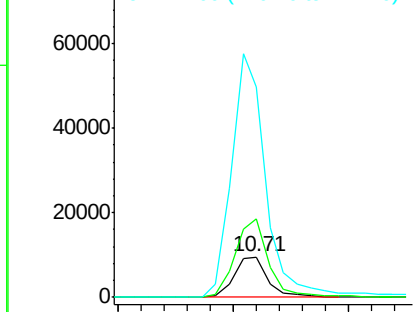
#66
4-Bromophenyl-phenylether
Concen: 2.92 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 9558
Ion Ratio Lower Upper
248 100
250 194.0 76.9 115.3#
141 517.1 74.4 111.6#

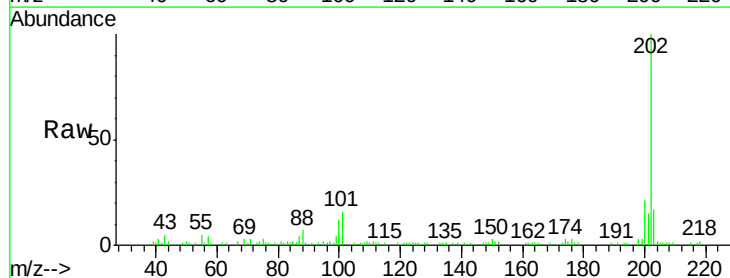


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

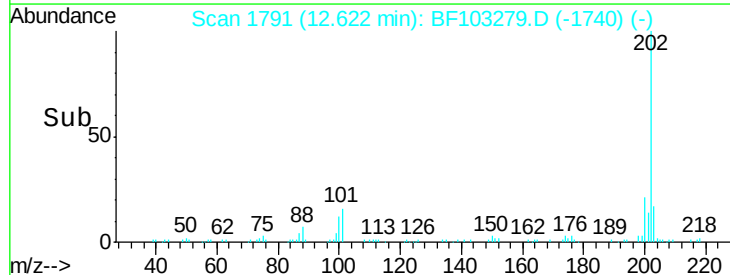
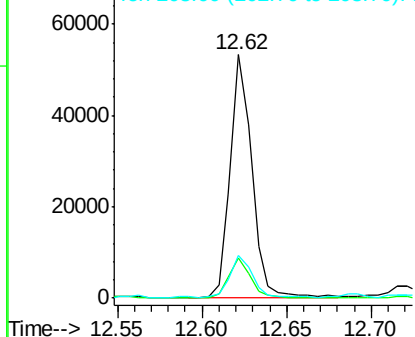


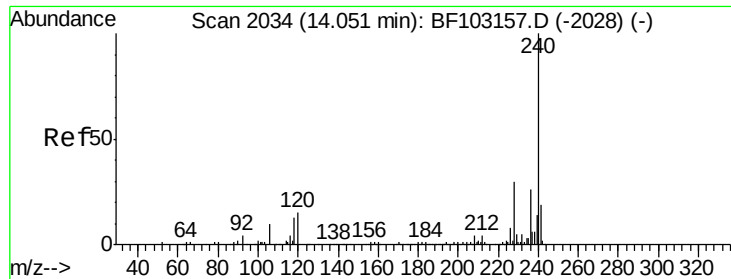
#74
Fluoranthene
Concen: 2.76 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Tgt Ion:202 Resp: 48083
Ion Ratio Lower Upper
202 100
101 16.3 0.0 34.1
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

Instrument :

BNA_F

ClientSampleId :

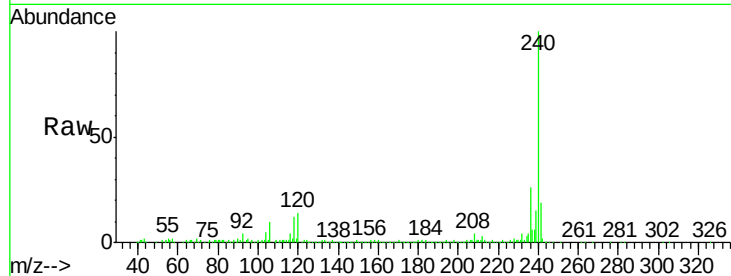
Tot Ion:240 Resp: 246566

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

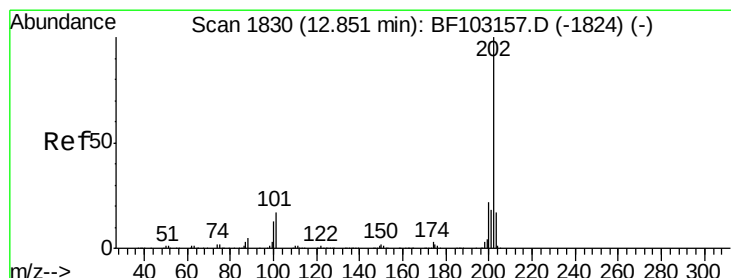
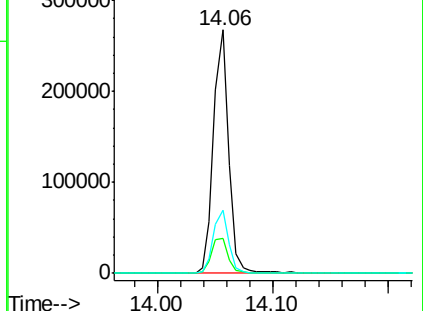
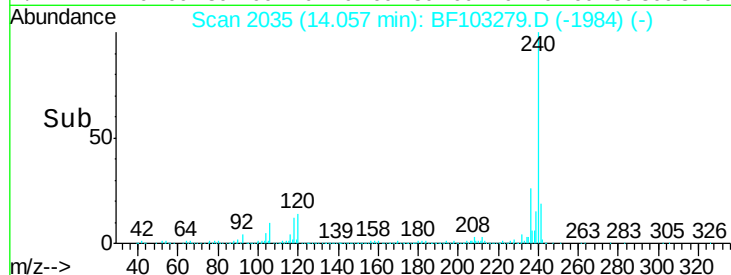
236 25.8 20.7 31.1



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



#77

Pyrene

Concen: 2.44 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103279.D

Acq: 27 Feb 2018 22:27

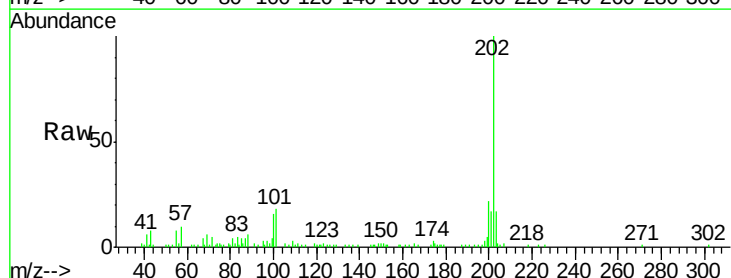
Tgt Ion:202 Resp: 46995

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

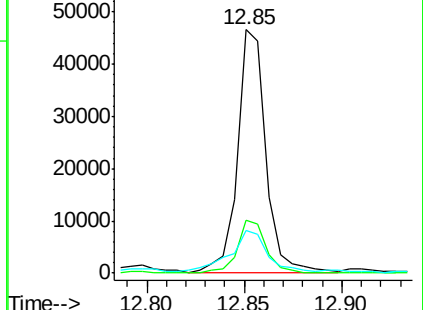
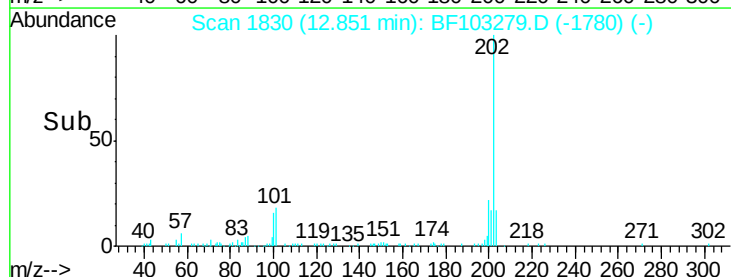
203 17.4 14.3 21.5

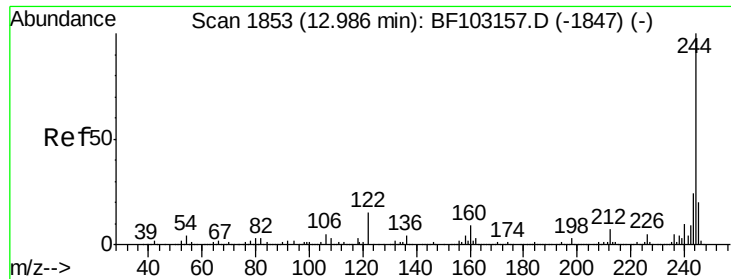


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

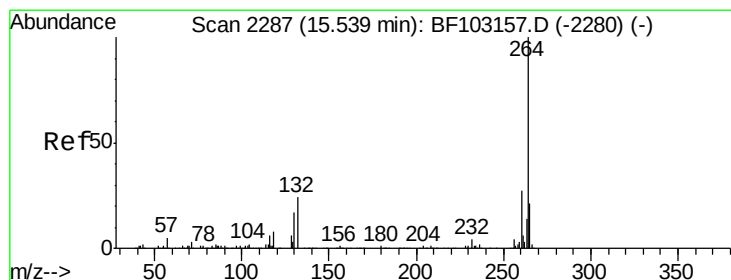
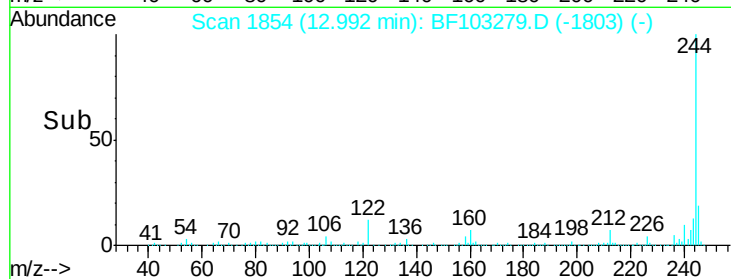
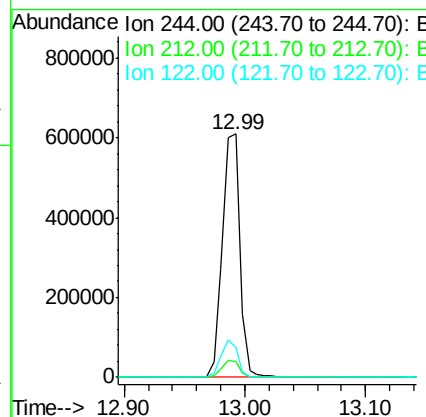
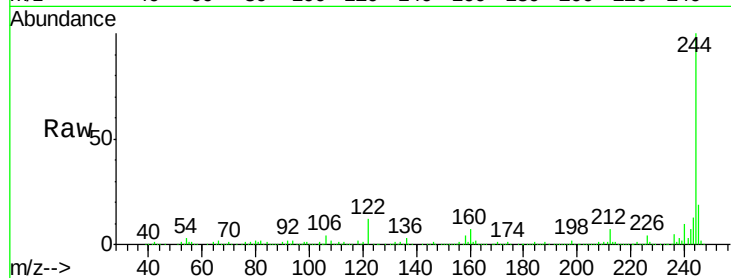




#78
 Terphenyl-d14
 Concen: 59.21 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF103279.D
 Acq: 27 Feb 2018 22:27

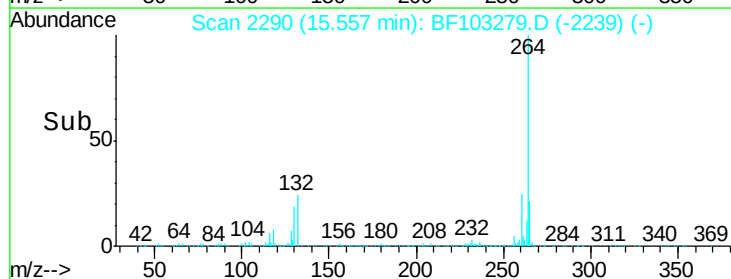
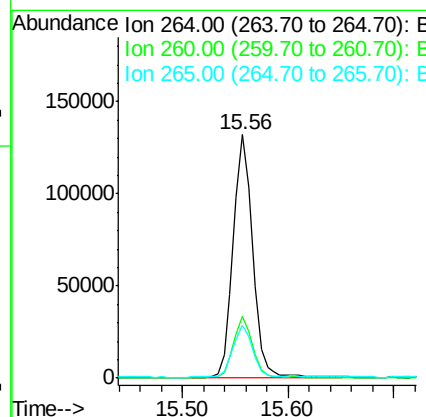
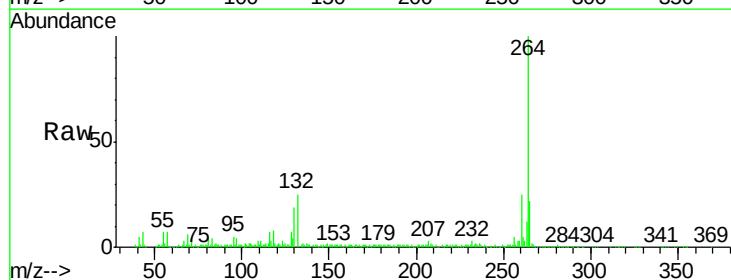
Instrument :
 BNA_F
 ClientSampleId :

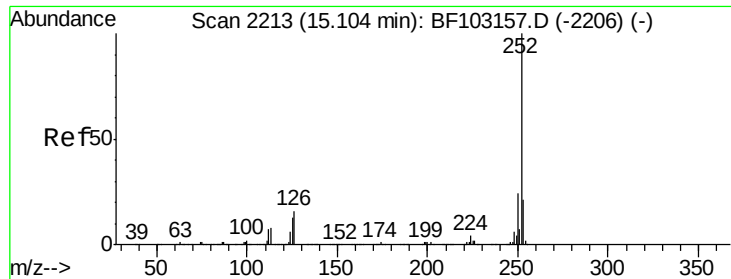
Tot Ion:244 Resp: 607365
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BF103279.D
 Acq: 27 Feb 2018 22:27

Tgt Ion:264 Resp: 170156
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.2 28.8
 265 21.8 17.5 26.3

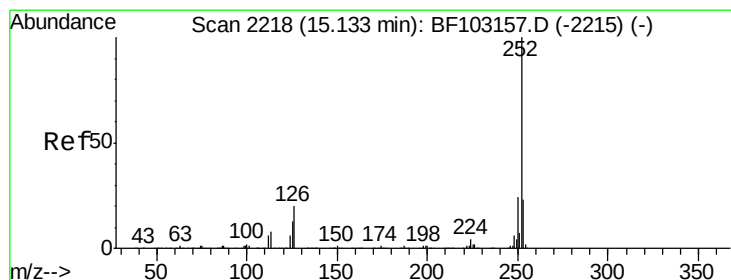
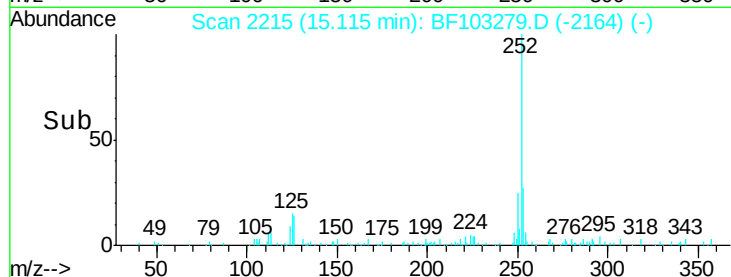
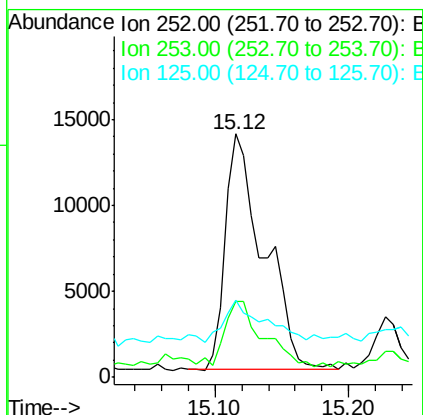
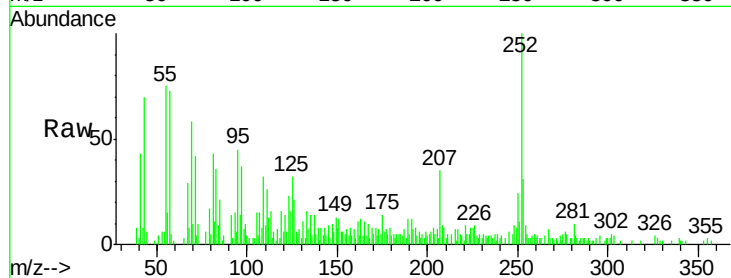




#87
Benzo(b)fluoranthene
Concen: 2.48 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 27777
Ion Ratio Lower Upper
252 100
253 31.1 17.0 25.6#
125 31.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.64 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103279.D
Acq: 27 Feb 2018 22:27

Tgt Ion:252 Resp: 27777
Ion Ratio Lower Upper
252 100
253 31.1 17.9 26.9#
125 31.5 10.2 15.2#

