

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101876.D
 Acq On : 3 Jan 2018 22:32
 Operator : SJ/JU
 Sample : J1004-12 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:15:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

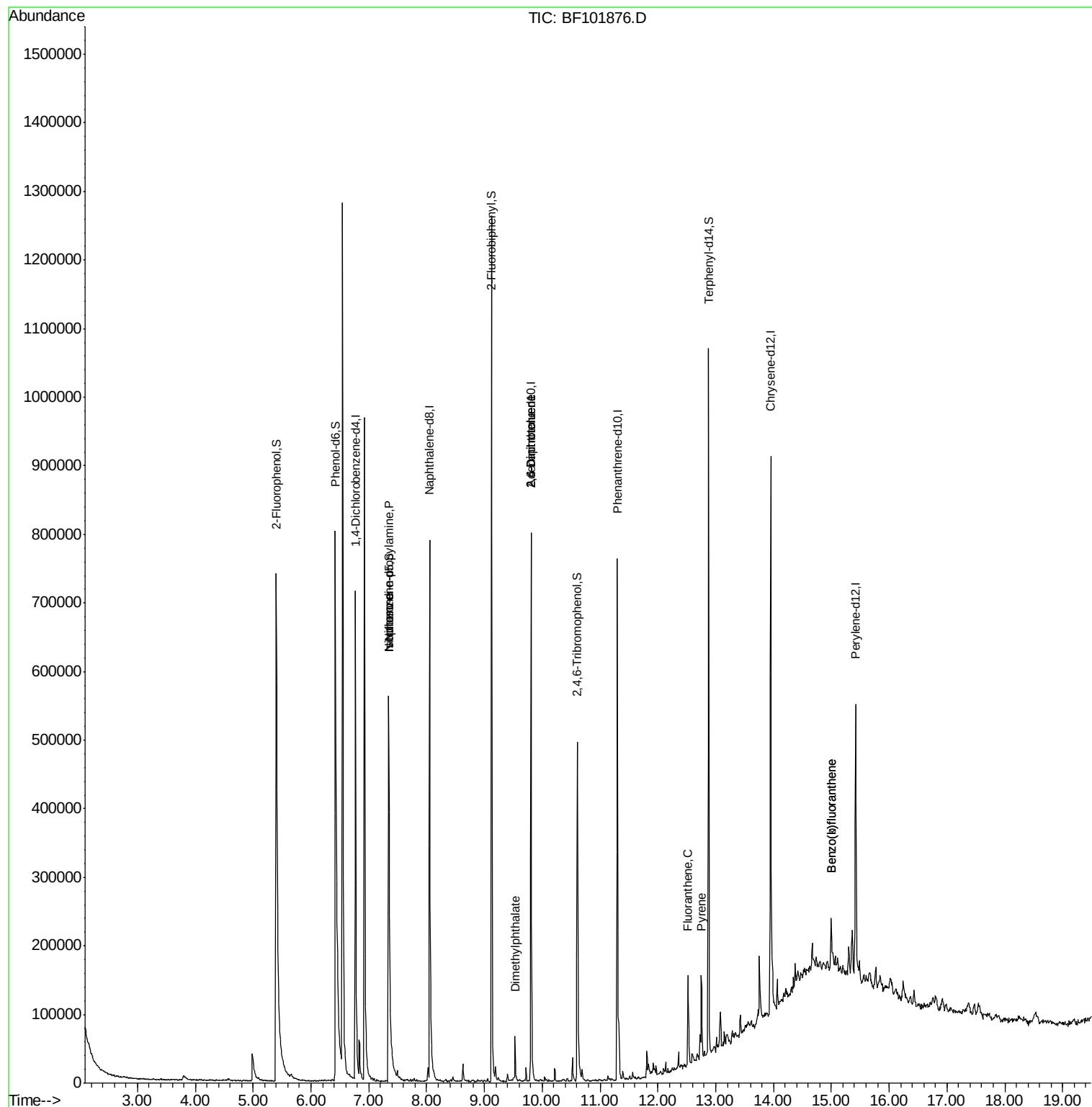
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	124948	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	443269	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	164943	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	295218	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	275722	20.00	ng	-0.02
86) Perylene-d12	15.42	264	211310	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	446005	53.17	ng	0.00
7) Phenol-d6	6.42	99	535207	51.27	ng	-0.01
23) Nitrobenzene-d5	7.35	82	302689	38.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	76940	48.41	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	406585	38.24	ng	-0.02
78) Terphenyl-d14	12.87	244	337816	29.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	39306	5.733	ng	# 83
25) Isophorone	7.35	82	302689	18.948	ng	# 64
49) Dimethylphthalate	9.53	163	34032	2.565	ng	98
50) 2,6-Dinitrotoluene	9.80	165	20404	7.567	ng	# 25
56) 2,4-Dinitrotoluene	9.80	165	20404	6.716	ng	# 23
74) Fluoranthene	12.52	202	55953	3.247	ng	99
77) Pyrene	12.75	202	53162	2.569	ng	98
87) Benzo(b)fluoranthene	15.00	252	37759	2.932	ng	# 92
88) Benzo(k)fluoranthene	15.00	252	37759	3.015	ng	# 94

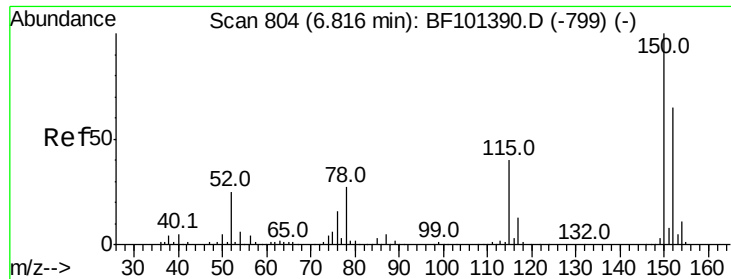
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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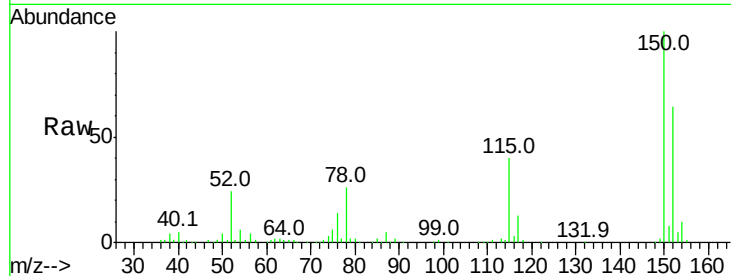


#1

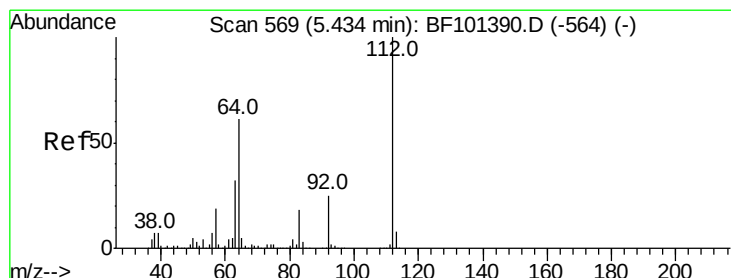
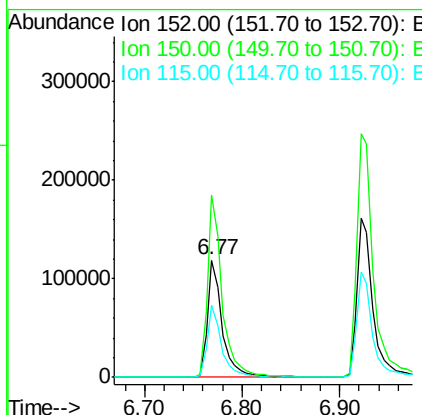
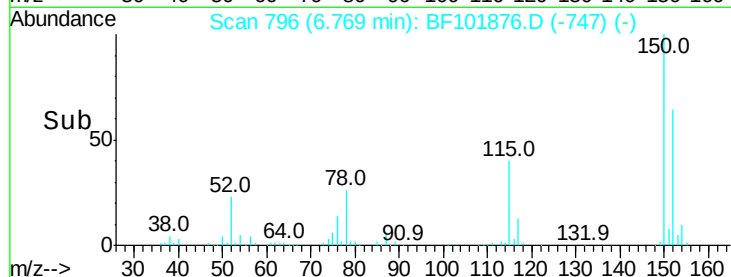
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 124948
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 61.9 50.1 75.1



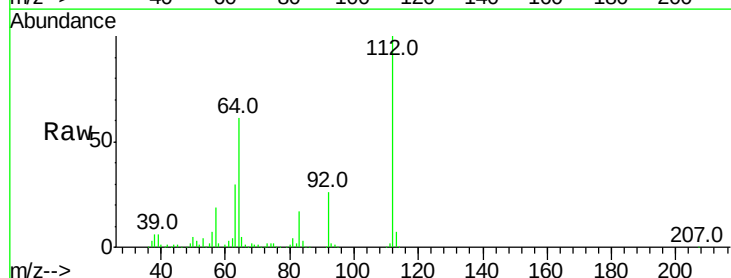
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



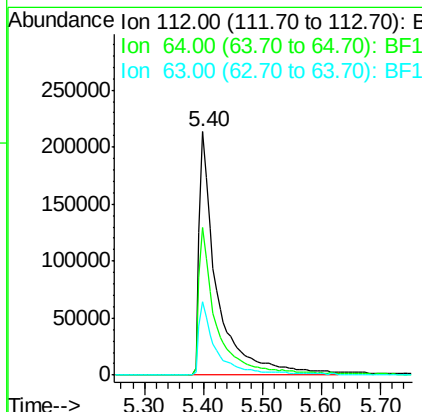
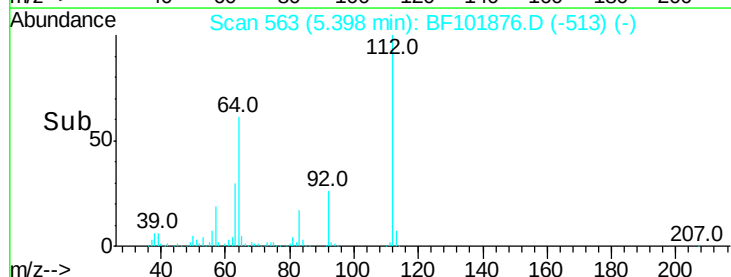
#5

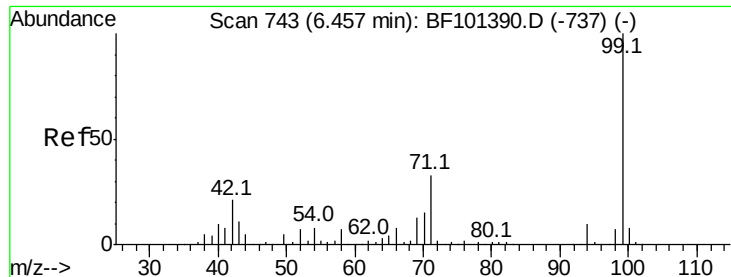
2-Fluorophenol
Concen: 53.171 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Tgt Ion:112 Resp: 446005
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 30.2 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: 51.268 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampleId :

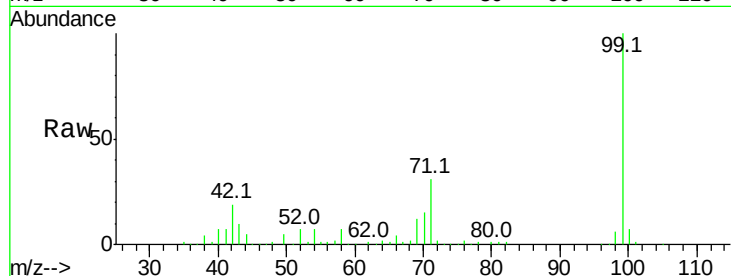
Tot Ion: 99 Resp: 535207

Ion Ratio Lower Upper

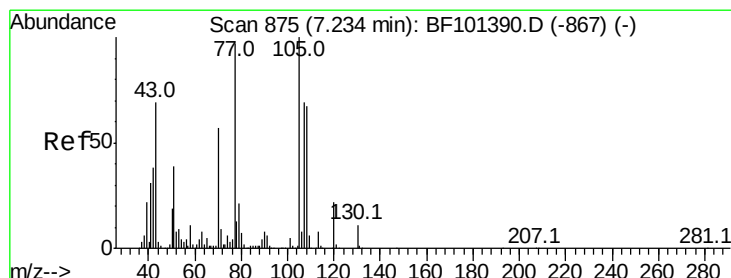
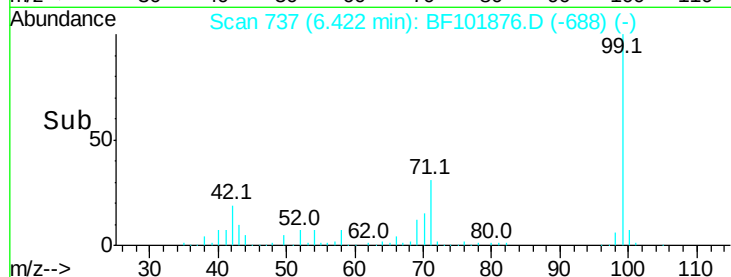
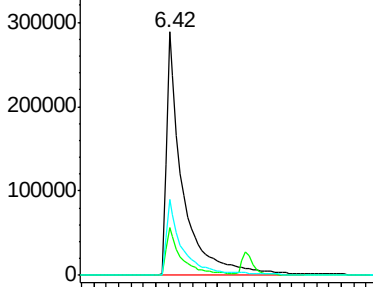
99 100

42 19.5 14.5 21.7

71 31.0 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: 5.733 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Tgt Ion: 70 Resp: 39306

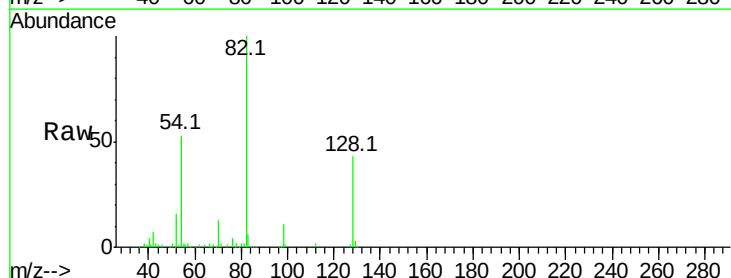
Ion Ratio Lower Upper

70 100

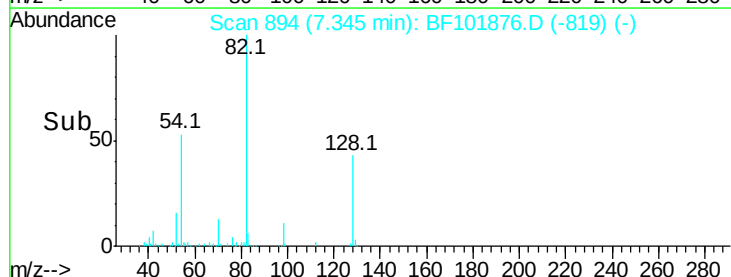
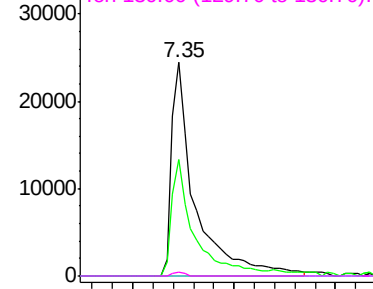
42 54.4 47.5 71.3

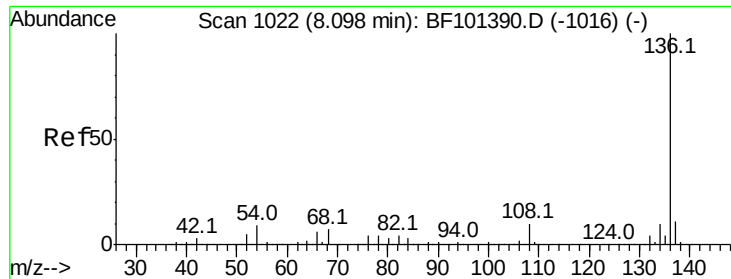
101 0.0 7.4 11.2#

130 1.9 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

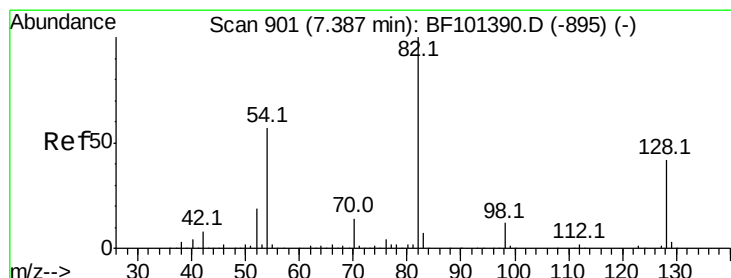
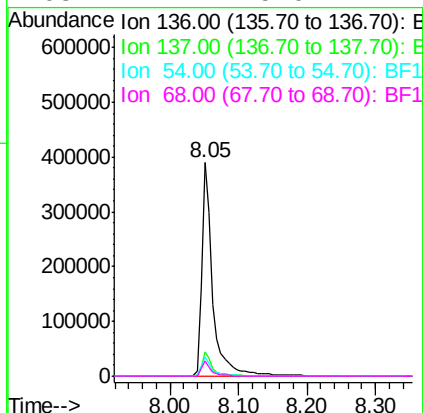
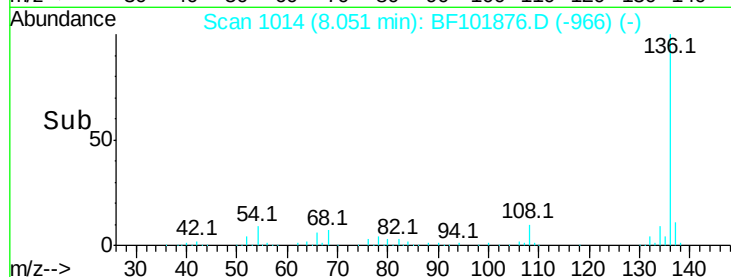
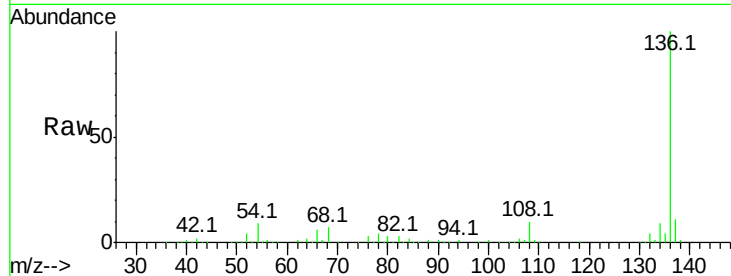




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

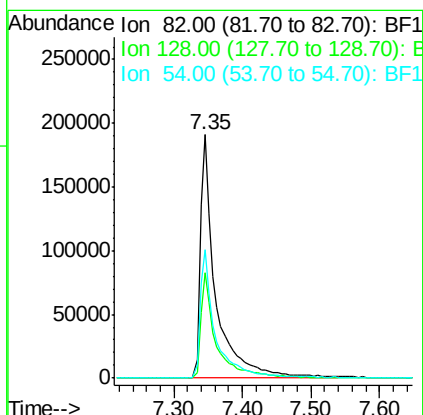
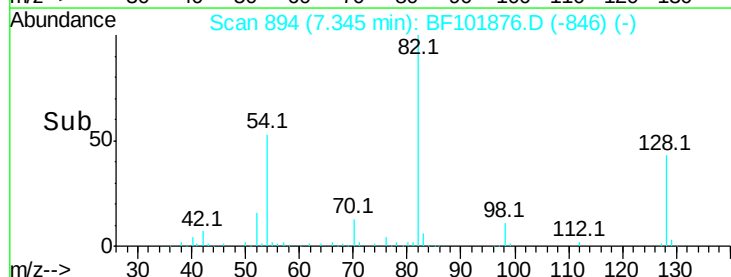
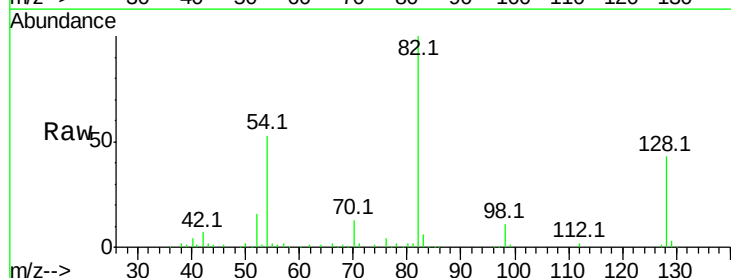
Instrument :
BNA_F
ClientSampled :

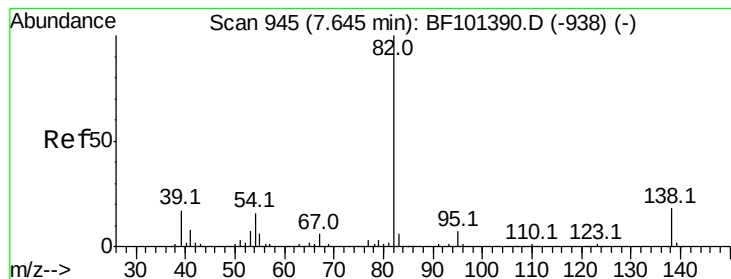
Tot Ion:	136	Resp:	443269
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.2	6.6	9.8
68	7.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 38.012 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Tgt Ion:	82	Resp:	302689
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	52.8	41.4	62.2





#25

Isophorone

Concen: 18.948 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampleId :

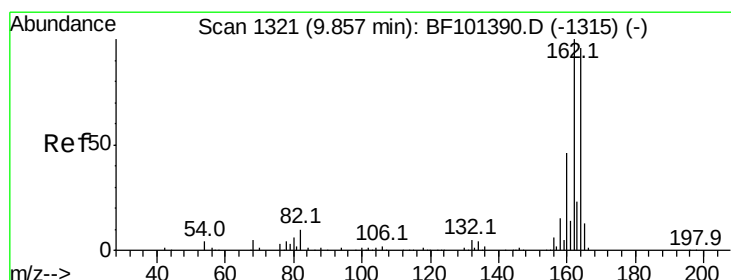
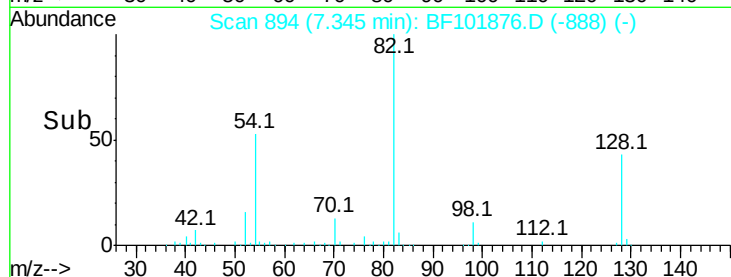
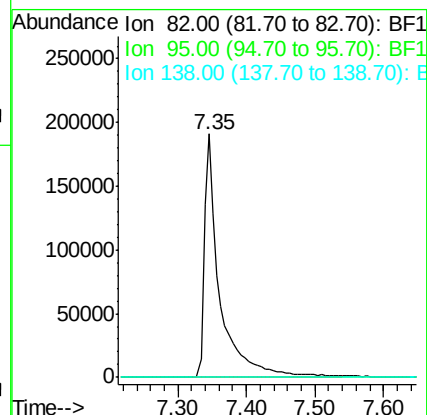
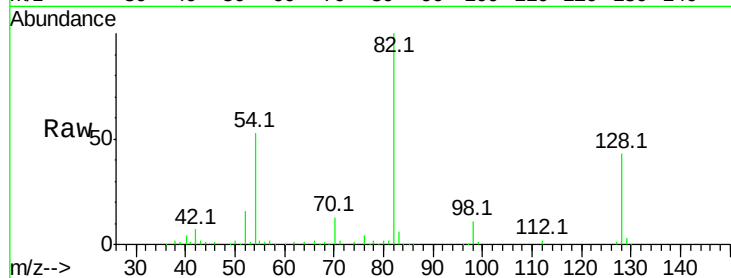
Tot Ion: 82 Resp: 302689

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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

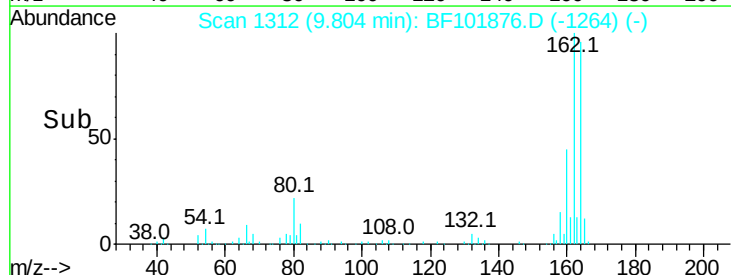
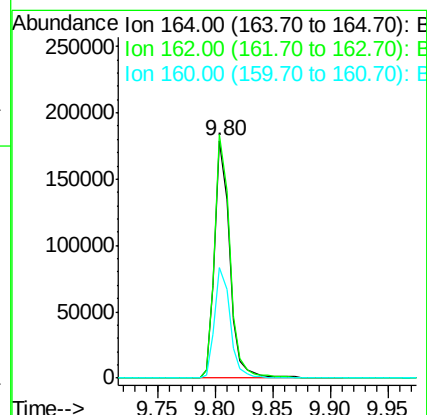
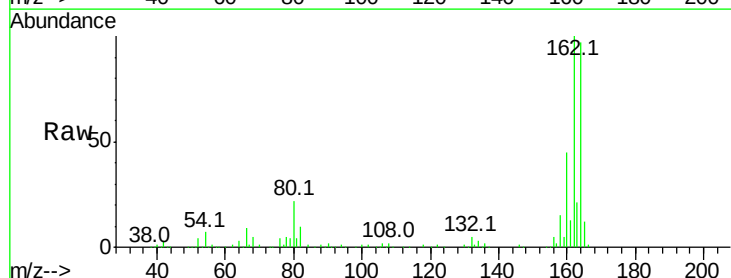
Tgt Ion: 164 Resp: 164943

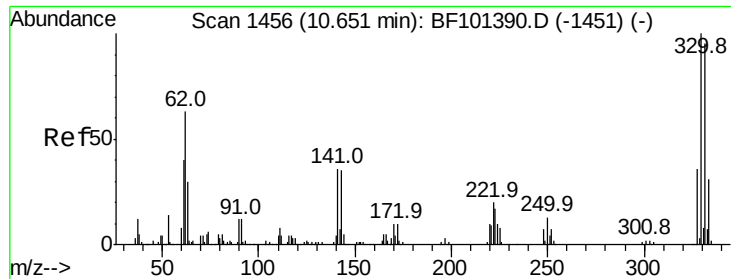
Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

160 46.4 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 48.410 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampled :

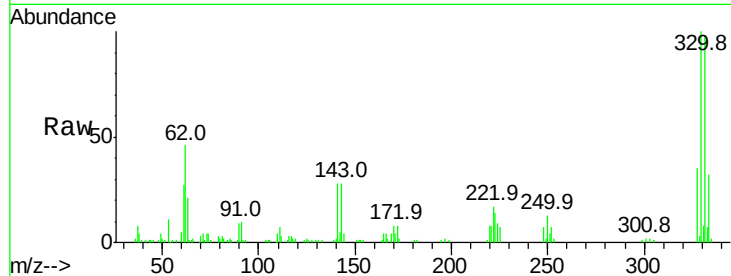
Tot Ion:330 Resp: 76940

Ion Ratio Lower Upper

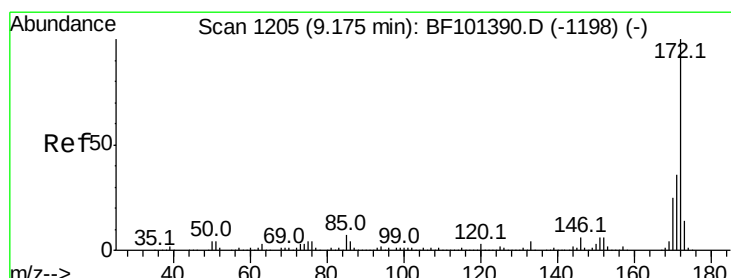
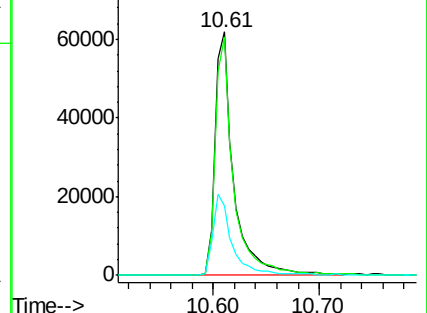
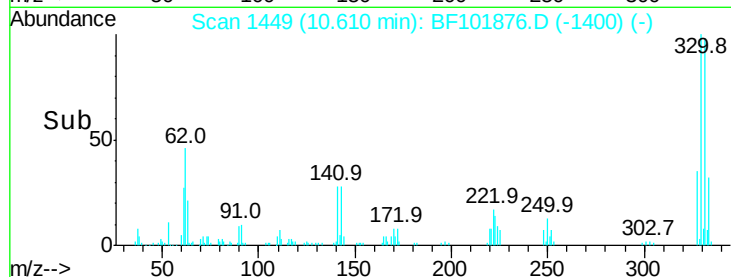
330 100

332 96.7 77.0 115.6

141 34.1 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: 38.238 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

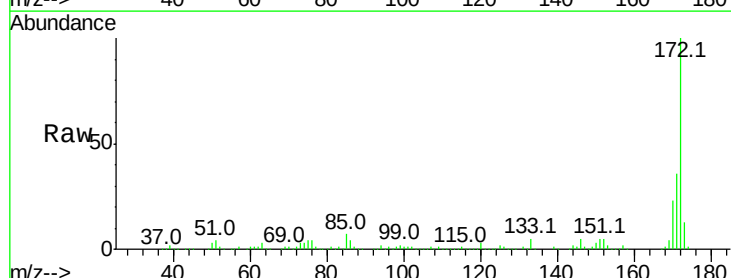
Tgt Ion:172 Resp: 406585

Ion Ratio Lower Upper

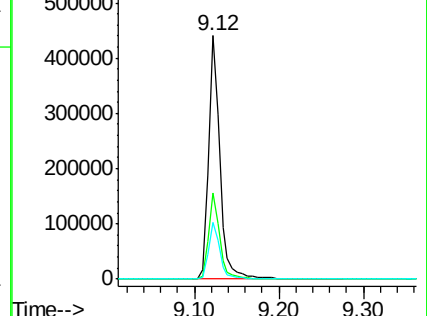
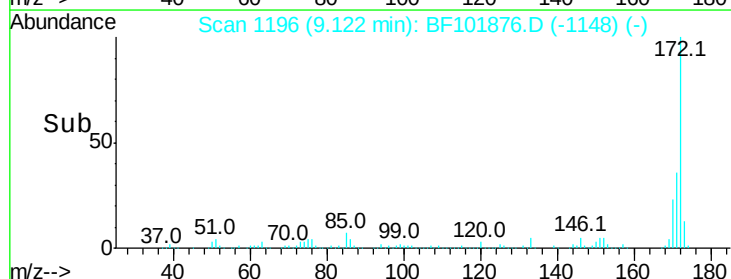
172 100

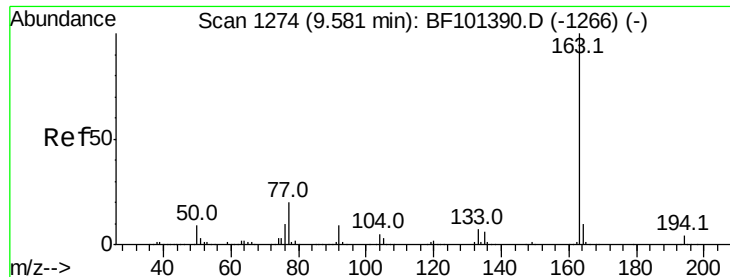
171 35.6 29.7 44.5

170 23.1 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: 2.565 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampleId :

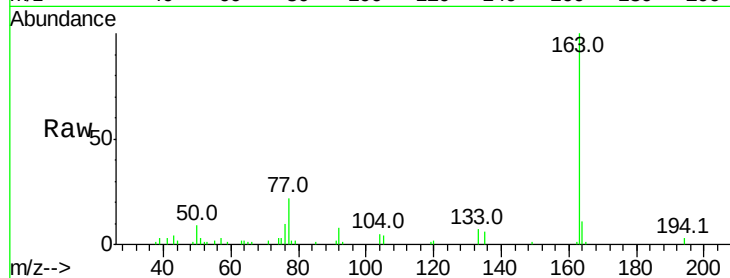
Tot Ion:163 Resp: 34032

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

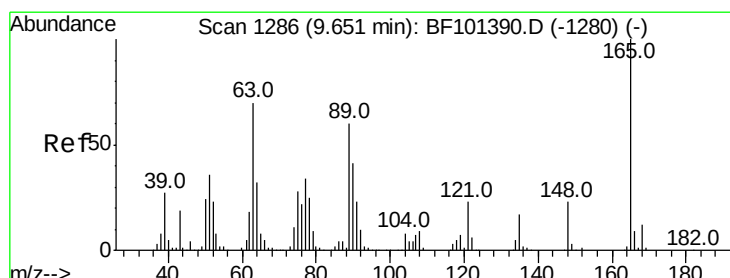
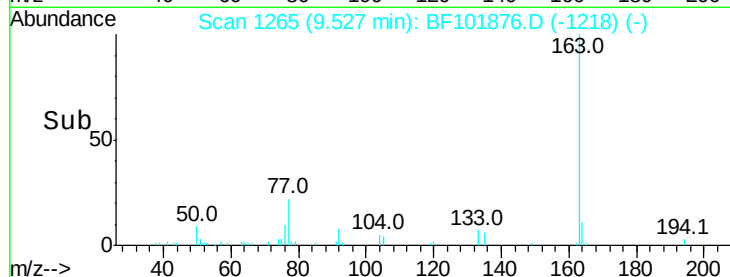
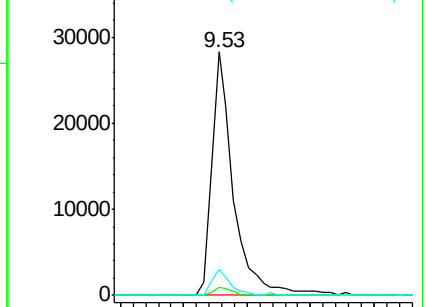
164 10.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.567 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.18 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

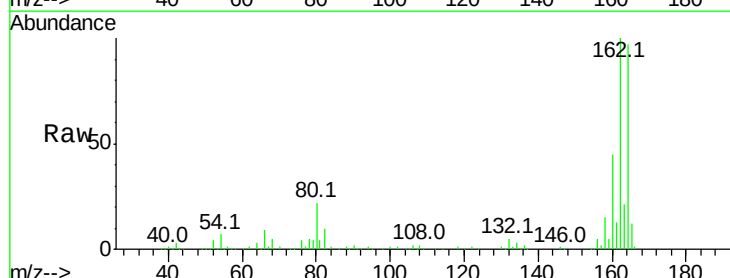
Tgt Ion:165 Resp: 20404

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

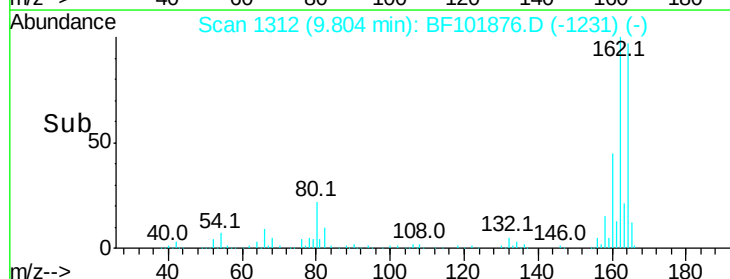
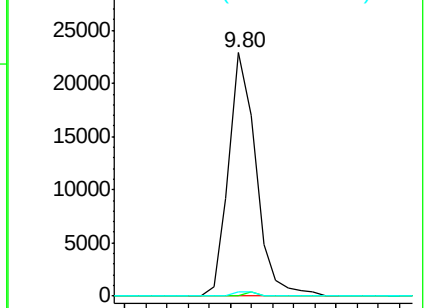
89 1.6 44.0 66.0#

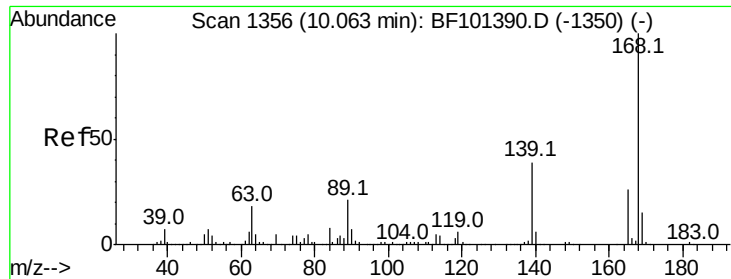


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

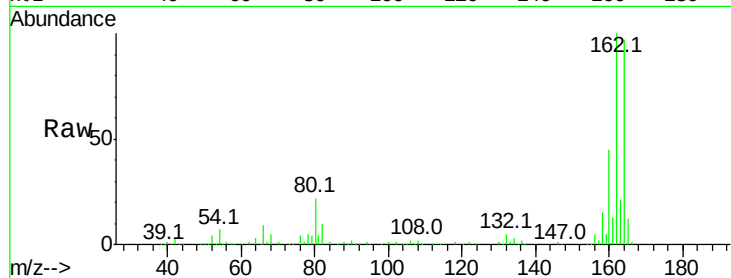




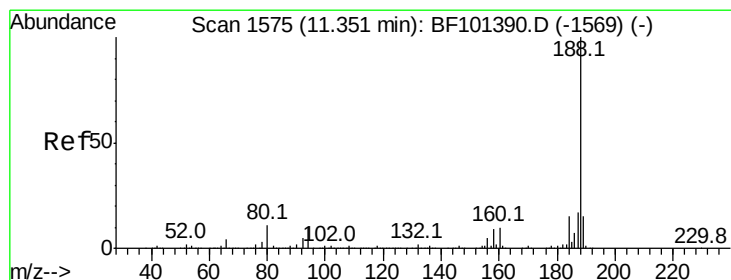
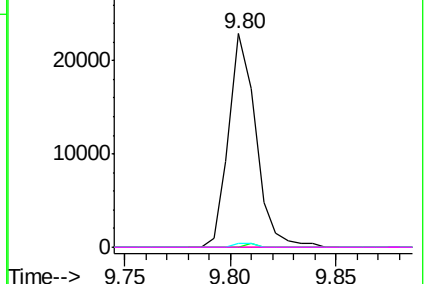
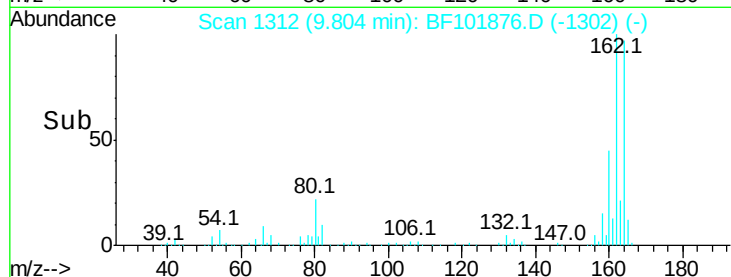
#56
2,4-Dinitrotoluene
Concen: 6.716 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.24 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 20404
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

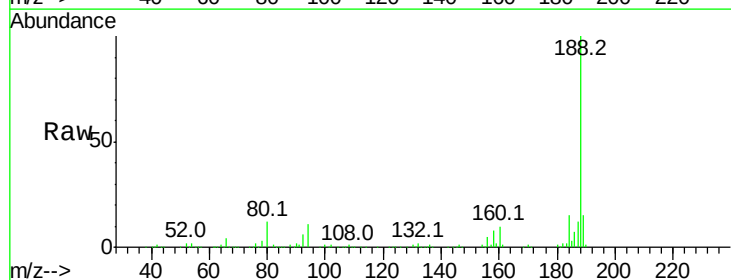


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

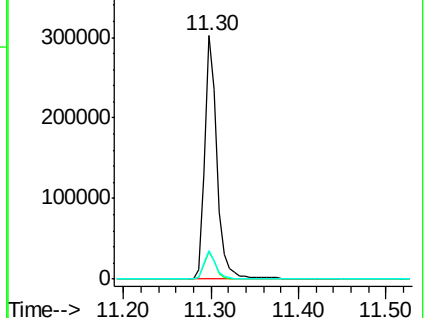
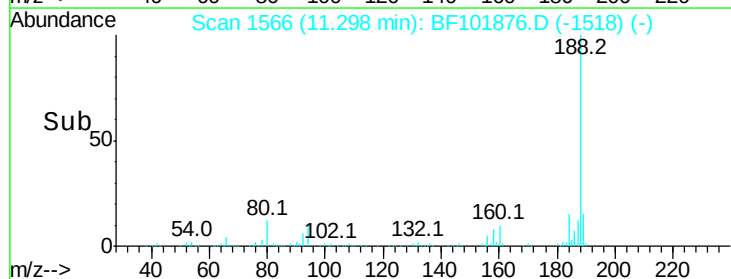


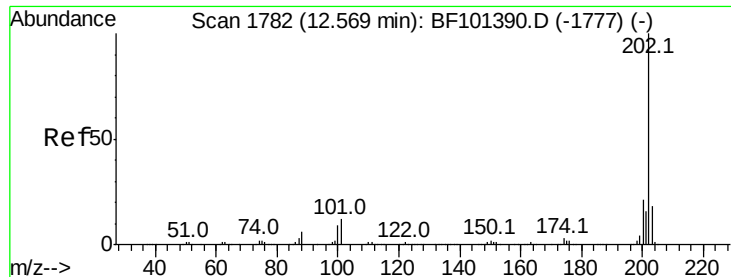
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Tgt Ion:188 Resp: 295218
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.0 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





#74

Fluoranthene

Concen: 3.247 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampleId :

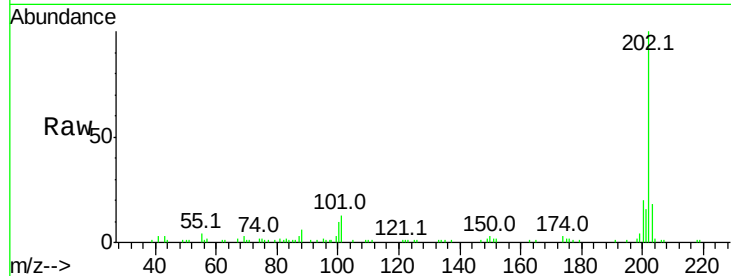
Tot Ion:202 Resp: 55953

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

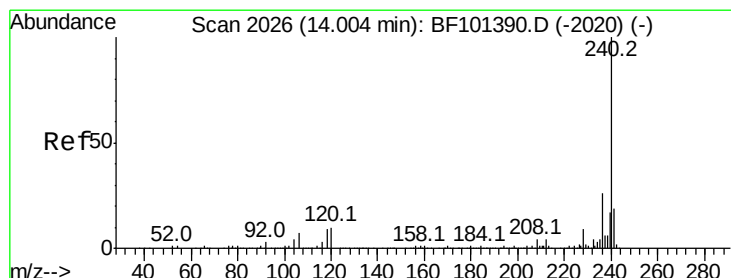
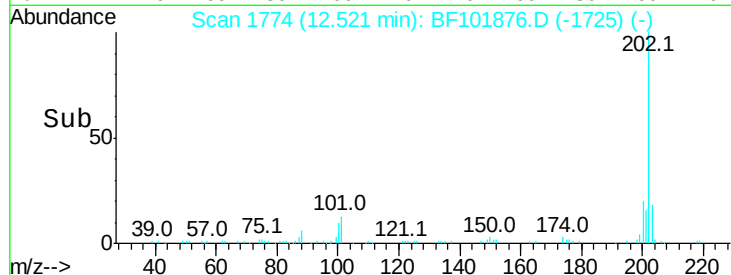
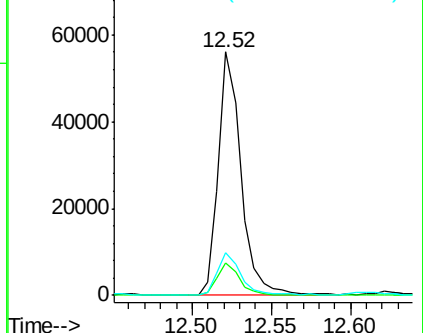
203 17.7 0.0 38.1



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: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

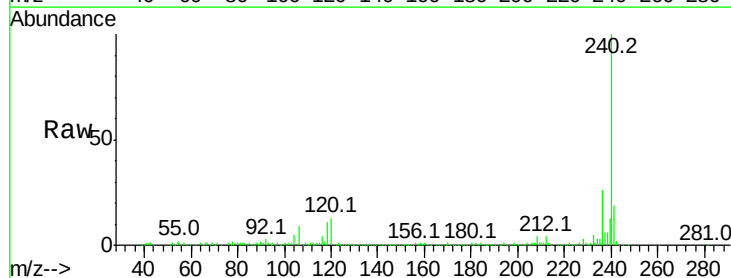
Tgt Ion:240 Resp: 275722

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

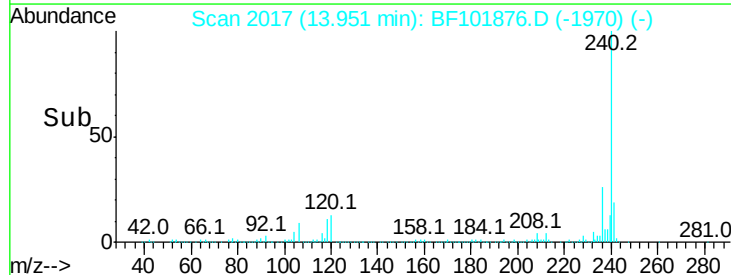
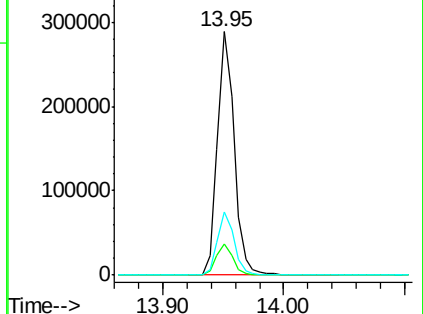
236 26.1 20.7 31.1

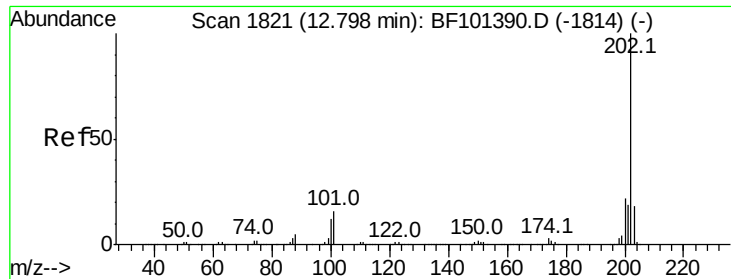


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

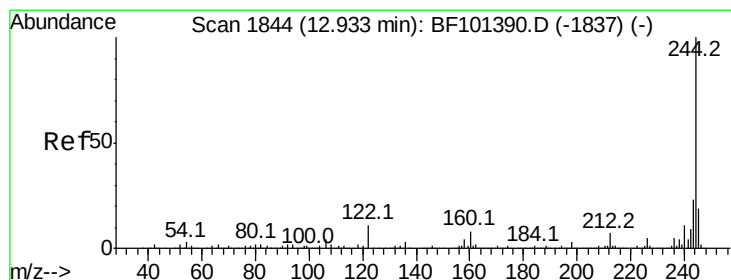
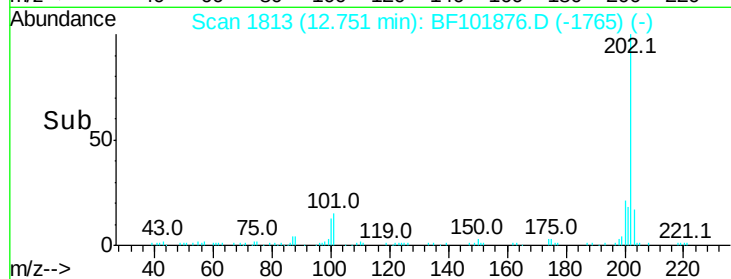
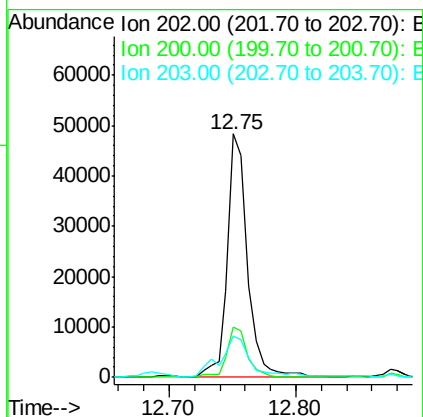
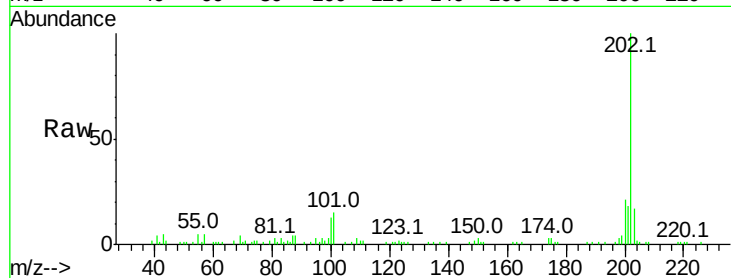




#77
Pvrene
Concen: 2.569 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

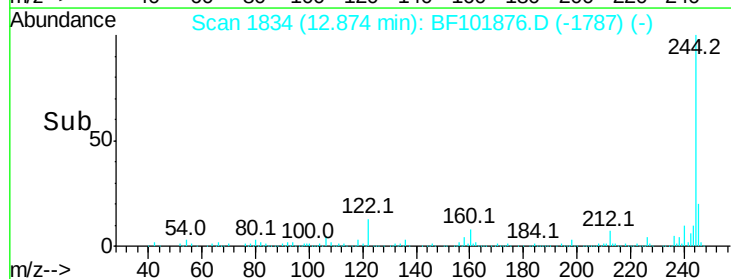
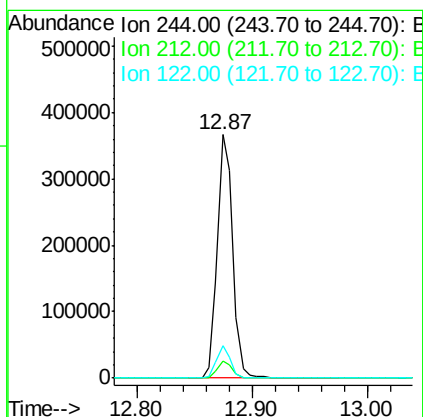
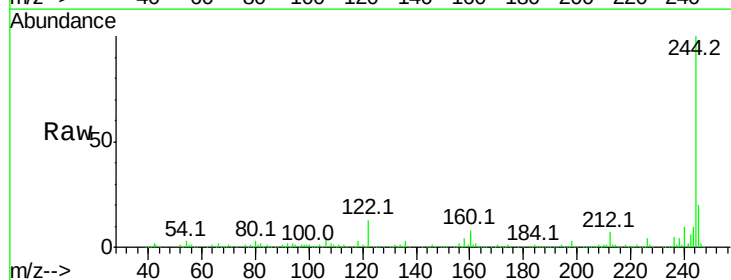
Instrument :
BNA_F
ClientSampleId :

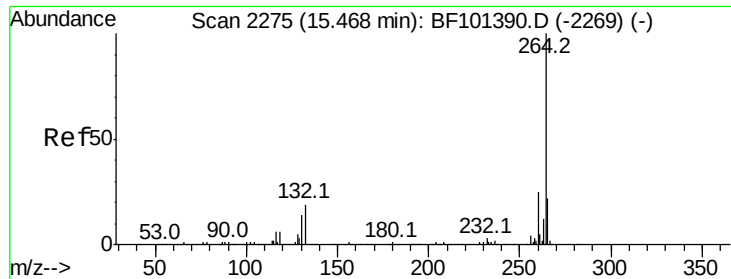
Tot Ion:202 Resp: 53162
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 16.9 14.3 21.5



#78
Terphenyl-d14
Concen: 29.537 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Tgt Ion:244 Resp: 337816
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.3 11.0 16.4



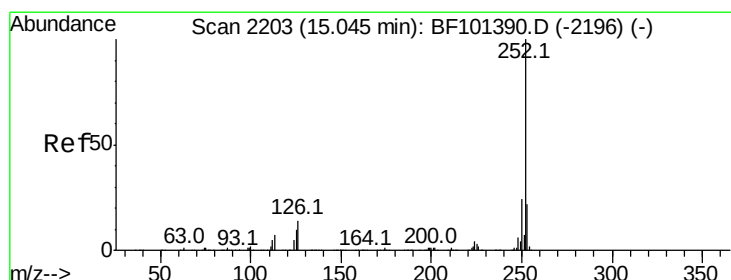
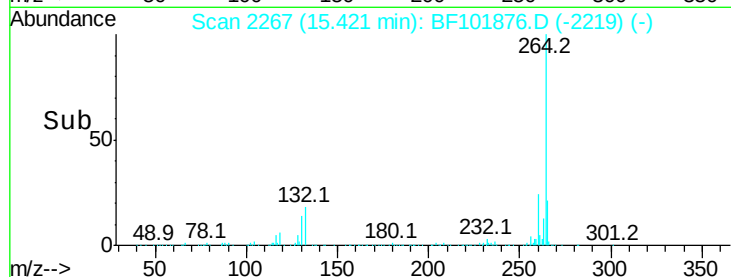
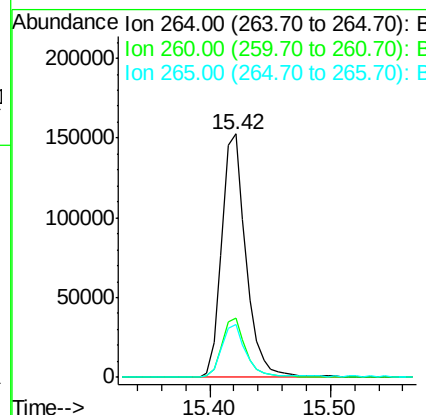
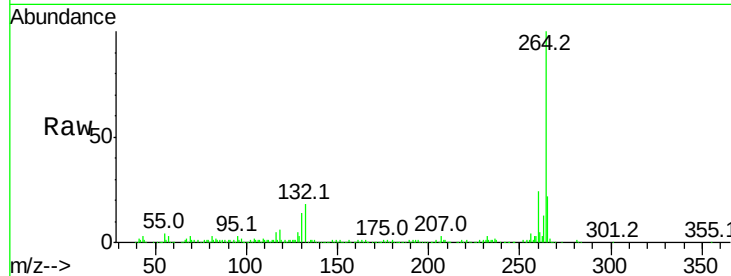


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 211310

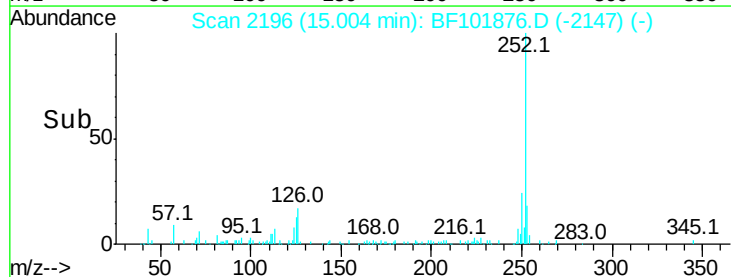
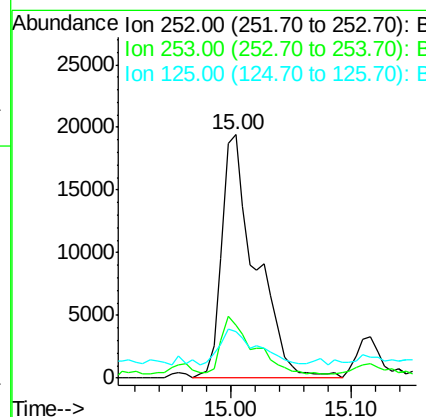
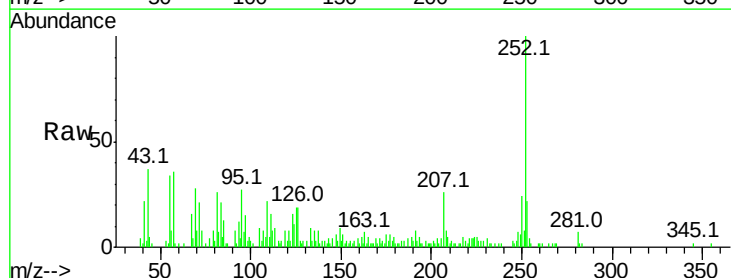
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3

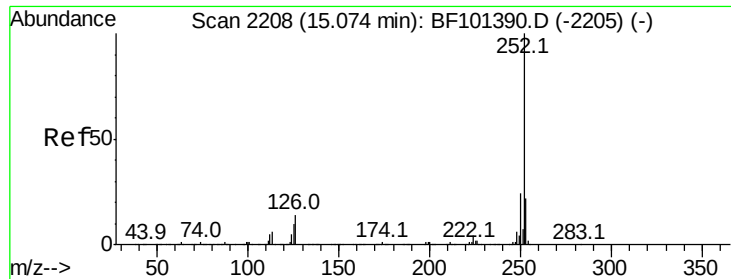


#87
Benzo(b)fluoranthene
Concen: 2.932 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101876.D
Acq: 3 Jan 2018 22:32

Tgt Ion:252 Resp: 37759

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	19.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.015 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF101876.D

Acq: 3 Jan 2018 22:32

Instrument :

BNA_F

ClientSampleId :

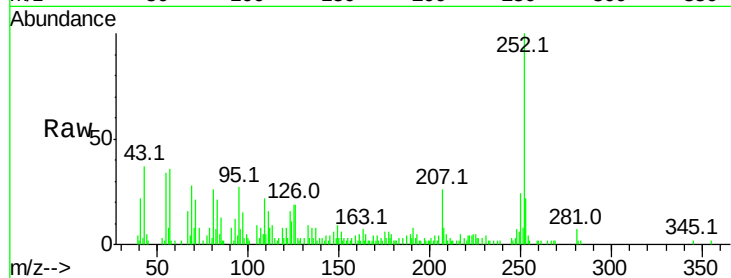
Tot Ion:252 Resp: 37759

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 19.0 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

