

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111361.D
 Acq On : 13 Dec 2018 10:50
 Operator : JU/SJ
 Sample : J6193-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 11:17:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

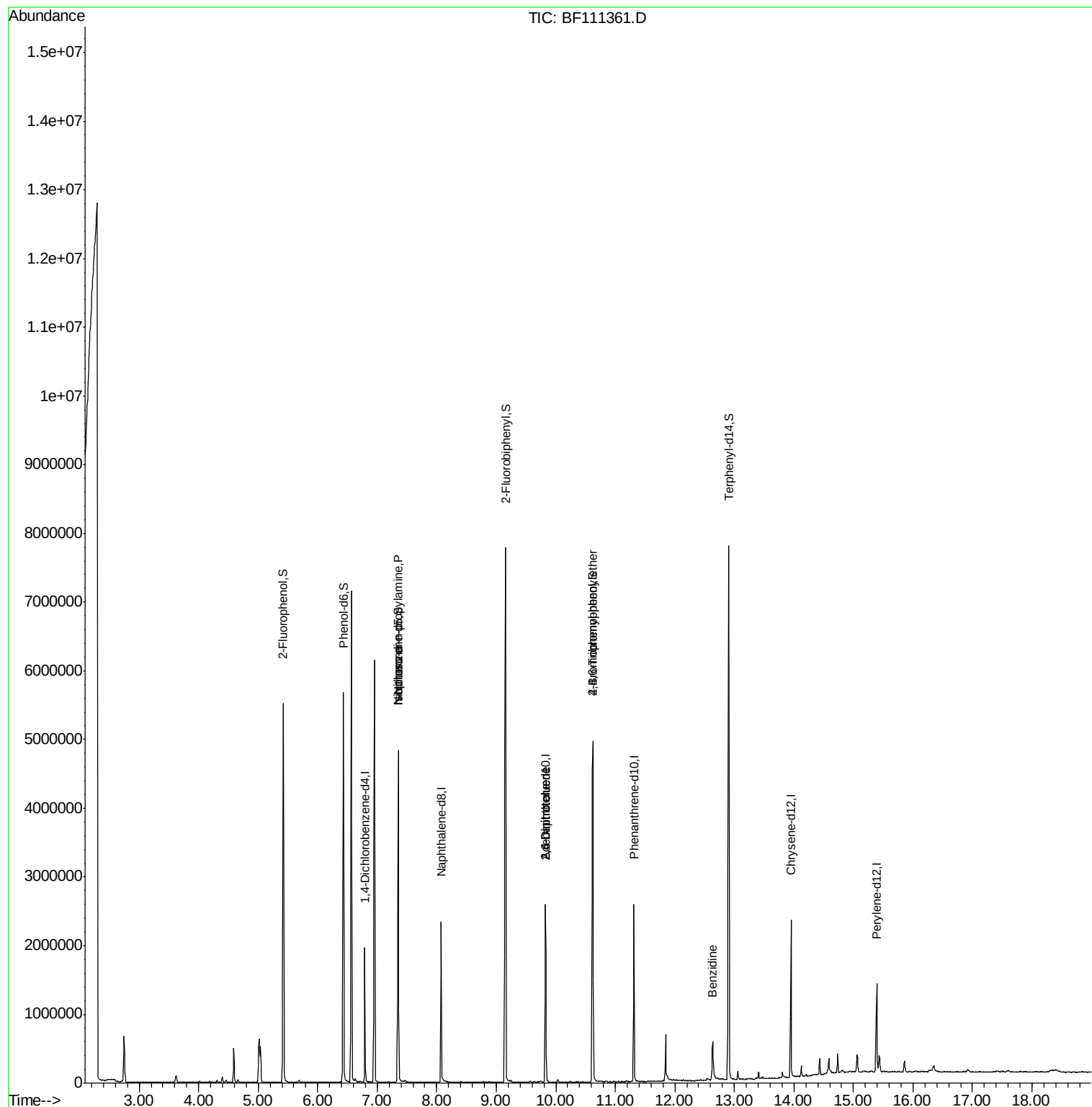
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	254377	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1035112	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	504856	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	966698	20.00	ng	0.00
76) Chrysene-d12	13.95	240	796998	20.00	ng	0.00
87) Perylene-d12	15.39	264	611514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1761813	117.12	ng	0.02
7) Phenol-d6	6.43	99	1986965	97.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	1645569	89.60	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	645337	145.01	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2824009	89.81	ng	0.00
79) Terphenyl-d14	12.91	244	3158124	87.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	2764	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	219365	16.277 ng	#	1
25) Isophorone	7.36	82	1622826	52.021 ng	#	79
51) 2,6-Dinitrotoluene	9.83	165	66366	8.247 ng	#	64
57) 2,4-Dinitrotoluene	9.83	165	66366	6.435 ng	#	29
67) 4-Bromophenyl-phenylether	10.62	248	41375	3.845 ng	#	24
77) Benizidine	12.64	184	117145	7.789 ng	#	1
						98

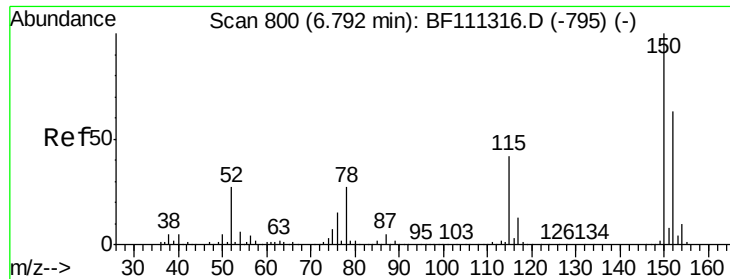
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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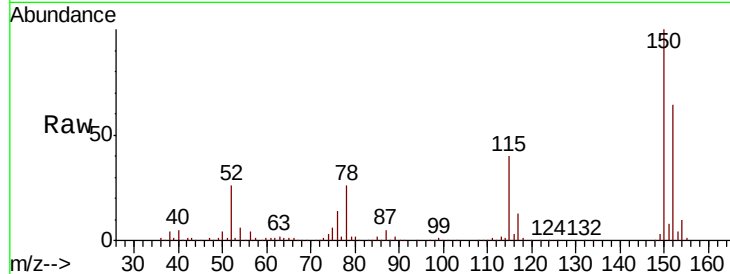


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.6	189.8
115	62.5	50.7	76.1

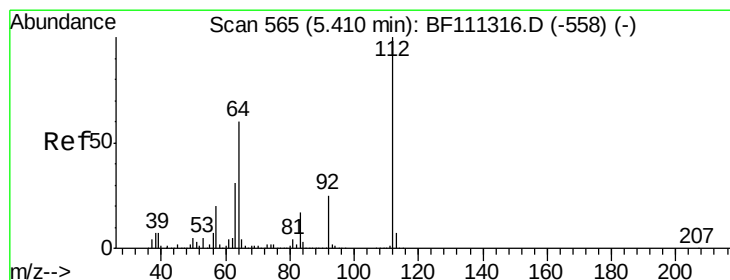
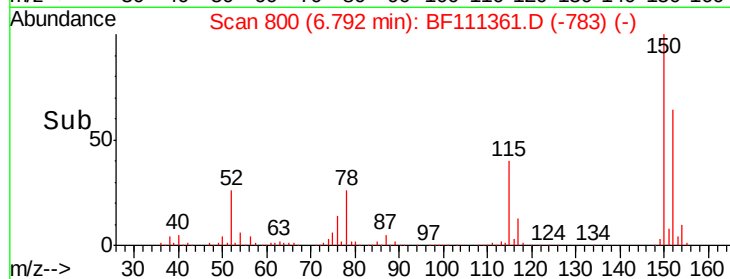
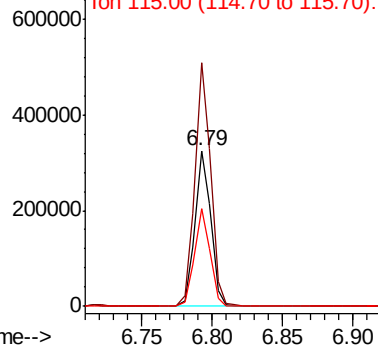


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

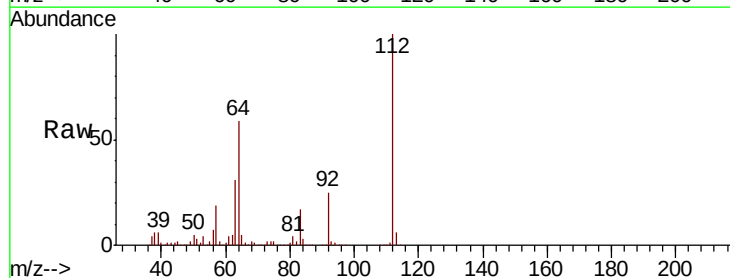
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.121 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	51.8	77.6
63	30.7	26.8	40.2

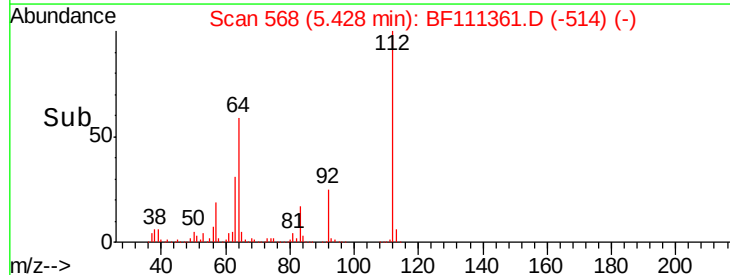
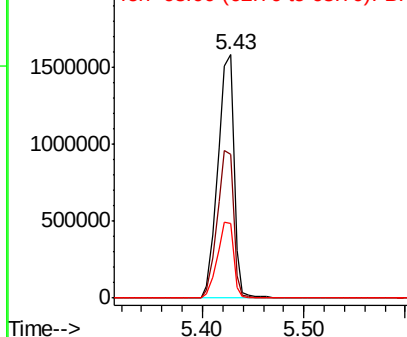


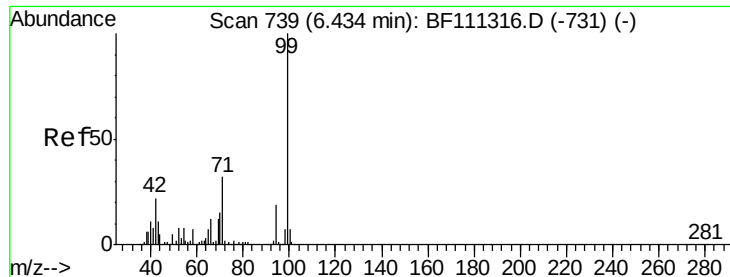
Abundance

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: 97.969 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampled :

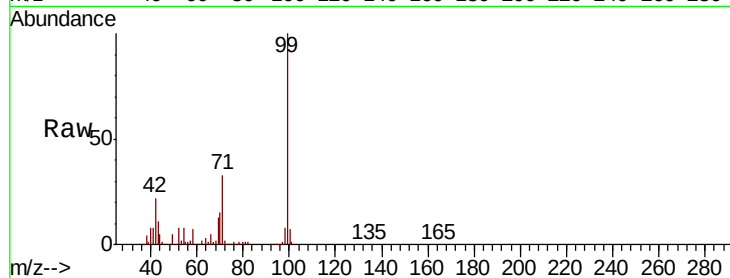
Tot Ion: 99 Resp: 1986965

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

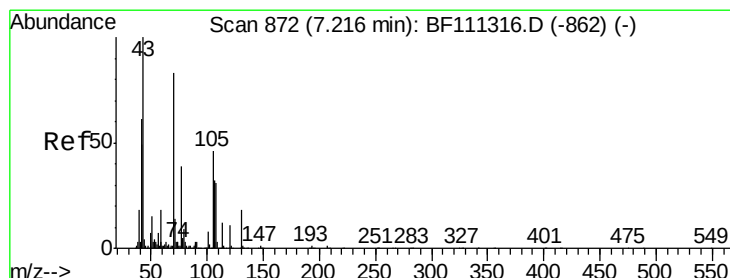
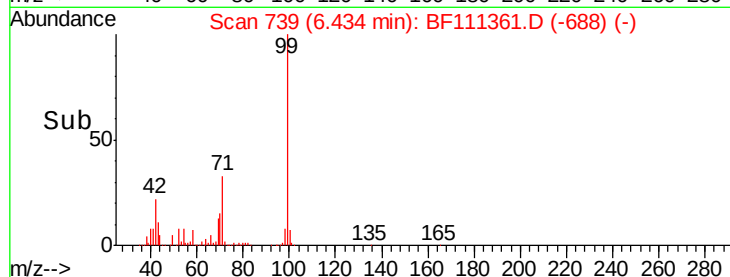
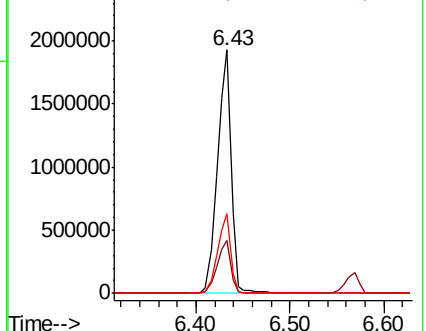
71 32.9 26.1 39.1



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: 16.277 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Tgt Ion: 70 Resp: 219365

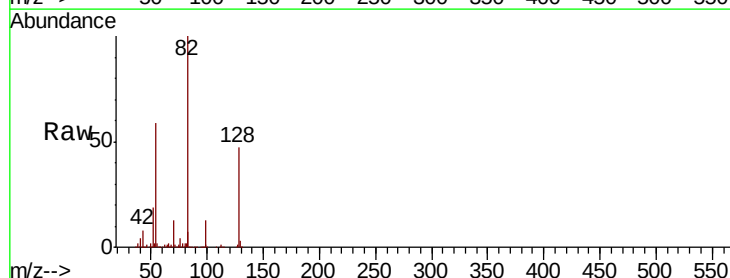
Ion Ratio Lower Upper

70 100

42 56.1 53.2 79.8

101 0.0 8.2 12.4#

130 2.4 18.1 27.1#

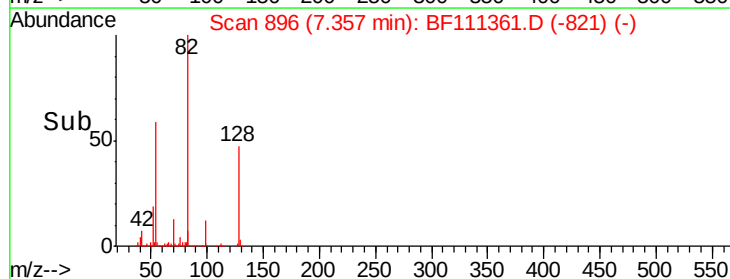
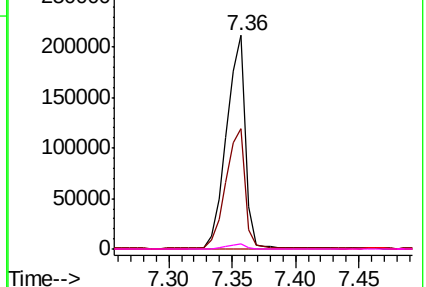


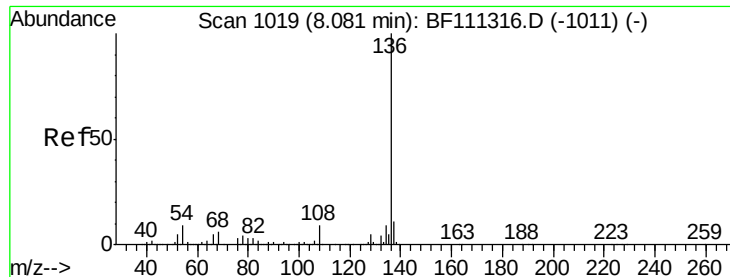
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

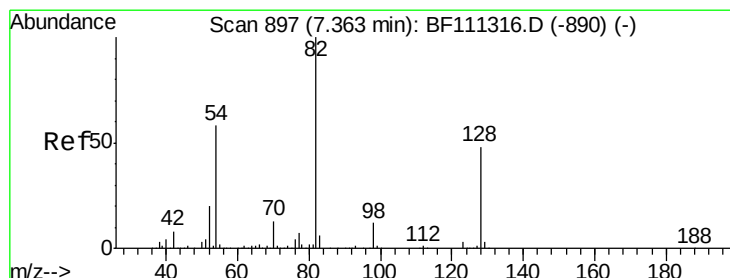
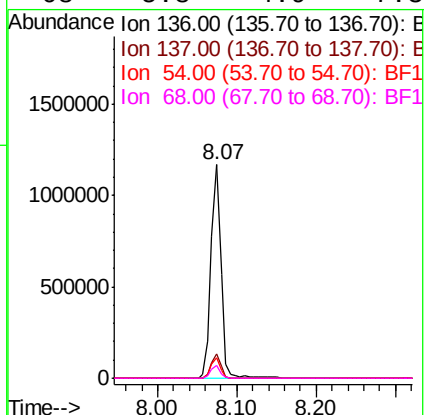
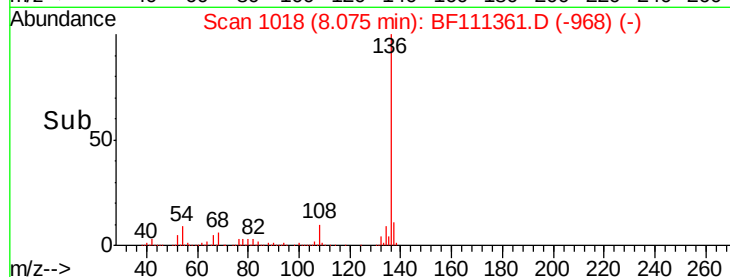
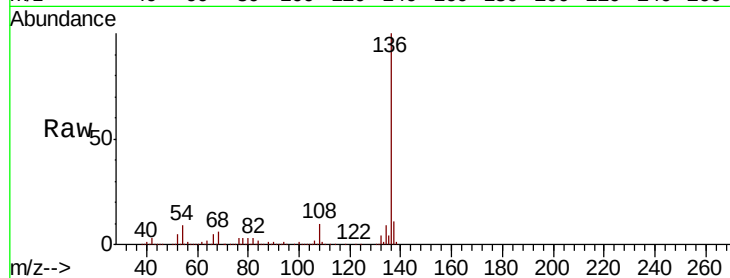




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

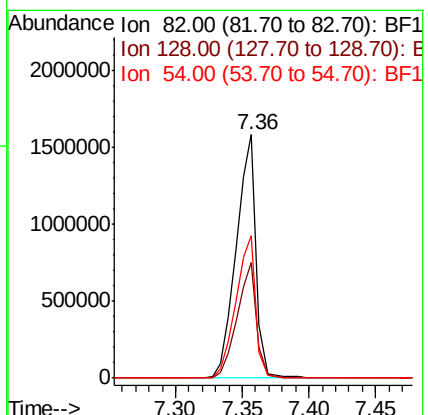
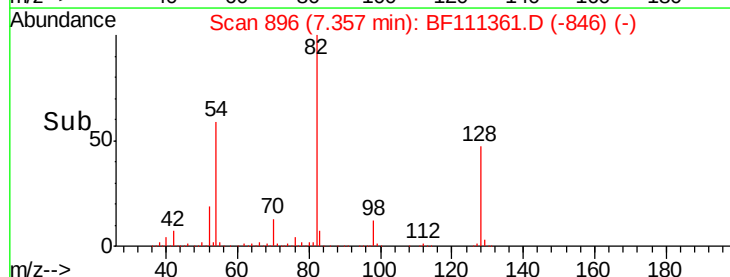
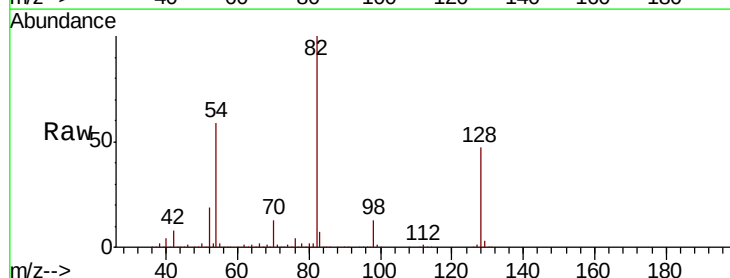
Instrument :
BNA_F
ClientSampleId :

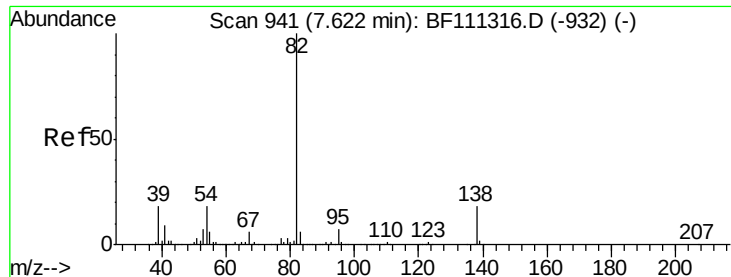
Tot Ion:136	Resp: 1035112
Ion Ratio	Lower Upper
136 100	
137 11.1	9.1 13.7
54 9.5	7.7 11.5
68 5.8	4.9 7.3



#23
Nitrobenzene-d5
Concen: 89.603 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Tgt Ion: 82	Resp: 1645569
Ion Ratio	Lower Upper
82 100	
128 47.4	37.4 56.2
54 58.7	47.6 71.4





#25

Isophorone

Concen: 52.021 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

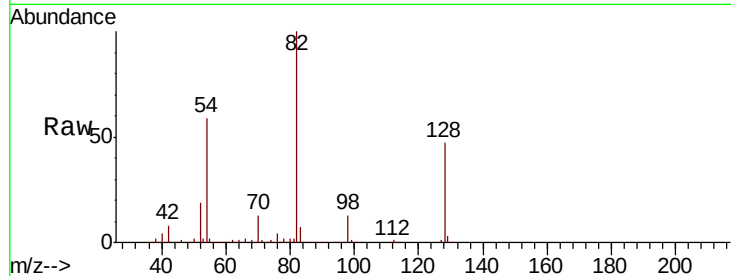
Tot Ion: 82 Resp: 1622826

Ion Ratio Lower Upper

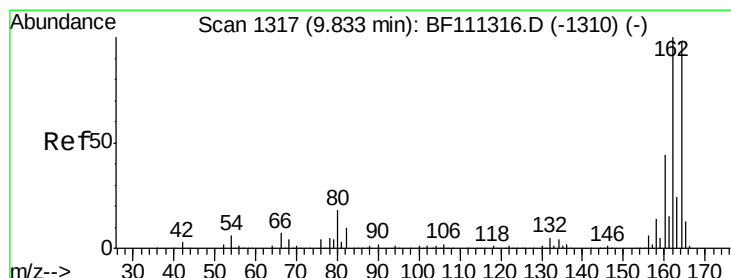
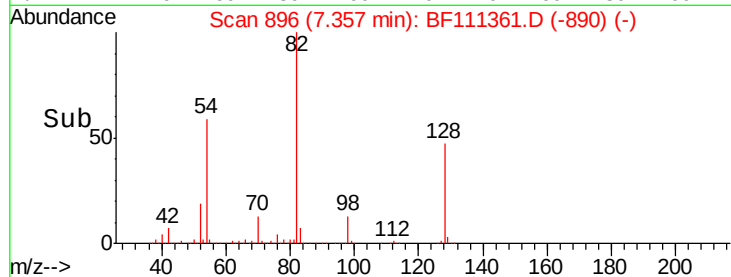
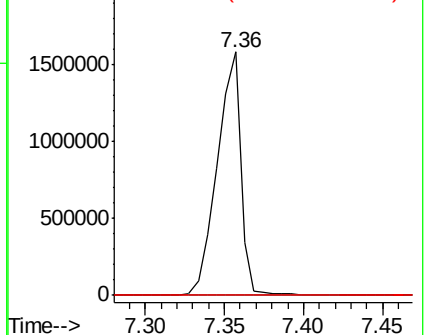
82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

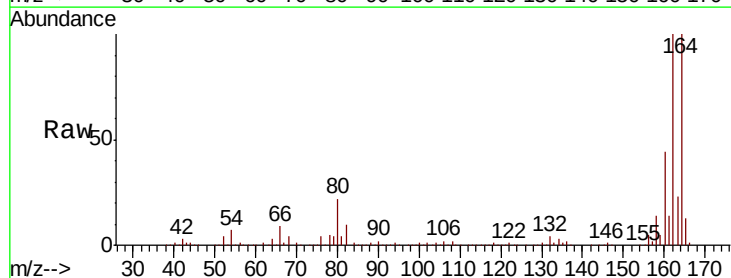
Tgt Ion:164 Resp: 504856

Ion Ratio Lower Upper

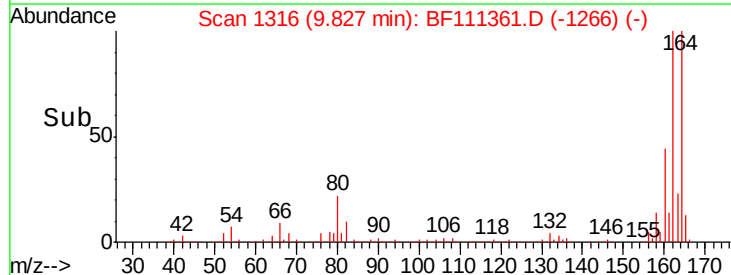
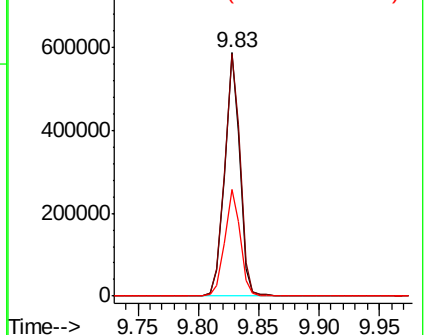
164 100

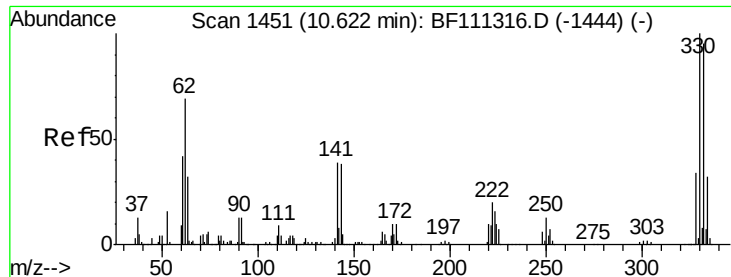
162 99.7 81.4 122.0

160 43.6 35.7 53.5



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





#42

2,4,6-Tribromophenol

Concen: 145.008 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

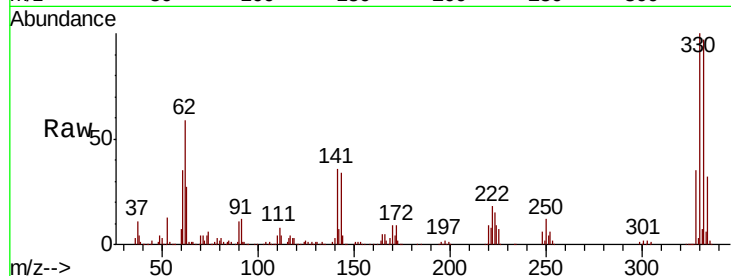
Tot Ion:330 Resp: 645337

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

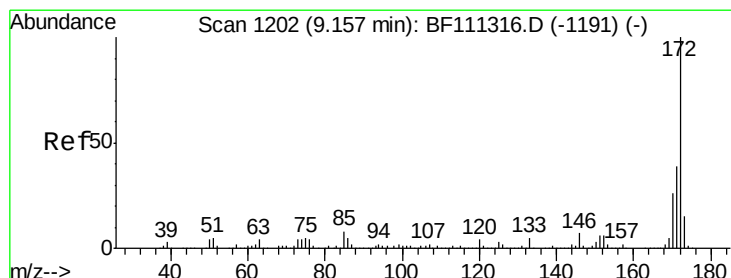
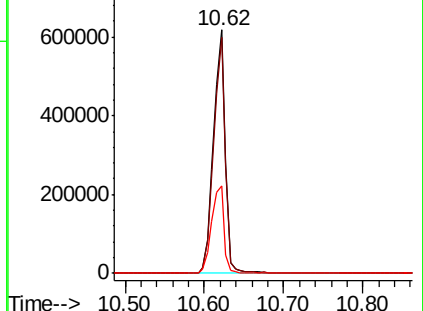
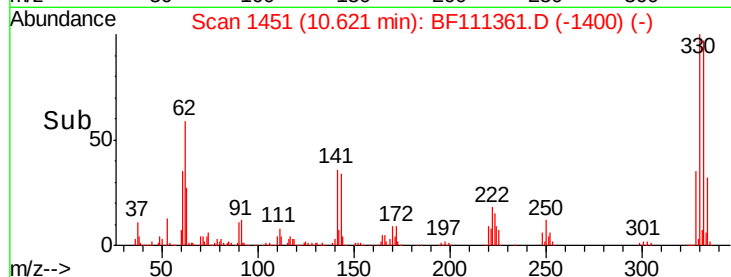
141 37.9 31.0 46.6



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



#45

2-Fluorobiphenyl

Concen: 89.806 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

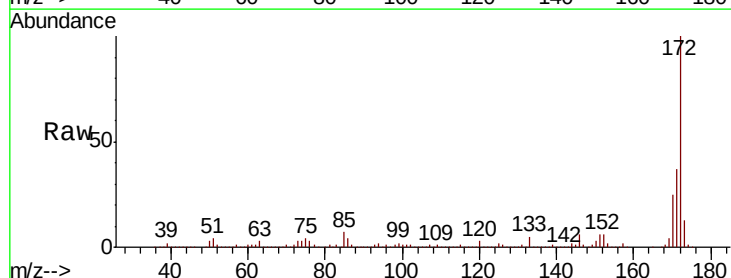
Tgt Ion:172 Resp: 2824009

Ion Ratio Lower Upper

172 100

171 37.4 33.0 49.4

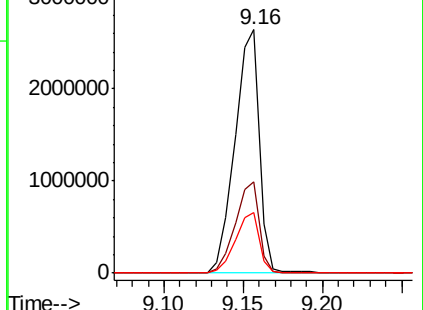
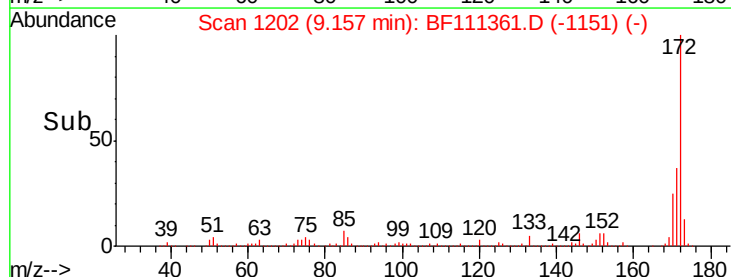
170 25.0 22.3 33.5

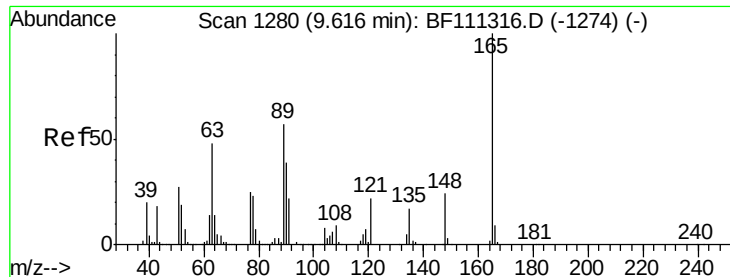


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

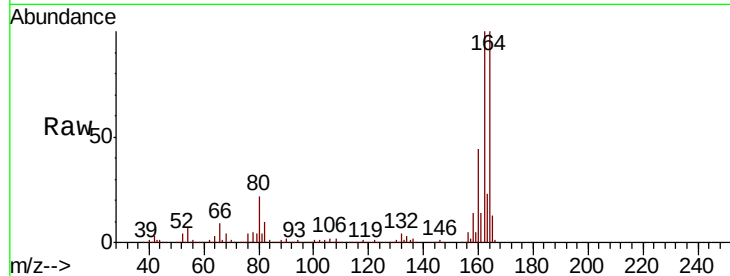




#51
 2,6-Dinitrotoluene
 Concen: 8.247 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

Instrument :
 BNA_F
 ClientSampled :

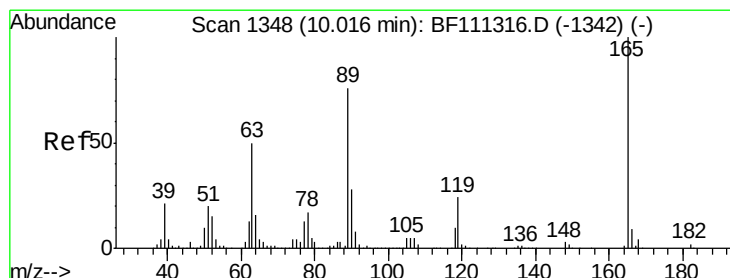
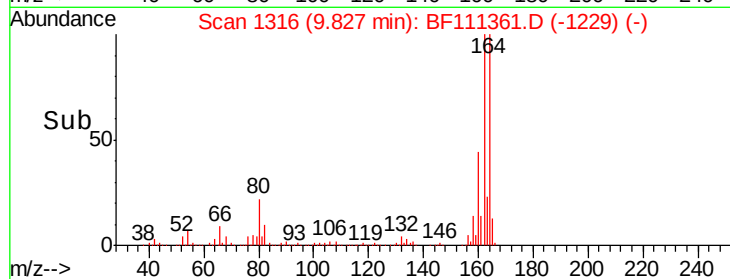
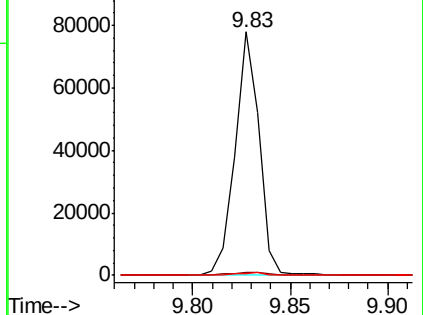
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.5	60.7#
89	0.9	40.0	60.0#



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



#57
 2,4-Dinitrotoluene
 Concen: 6.435 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

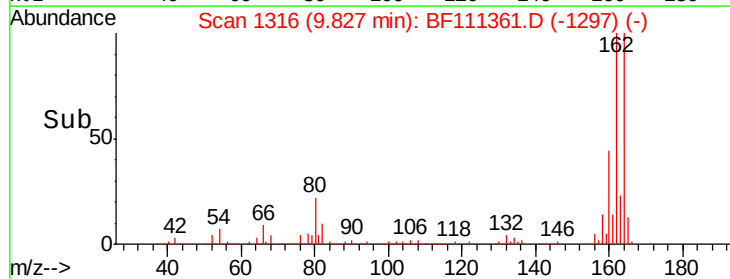
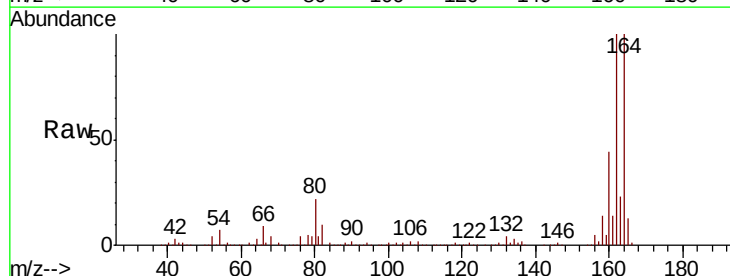
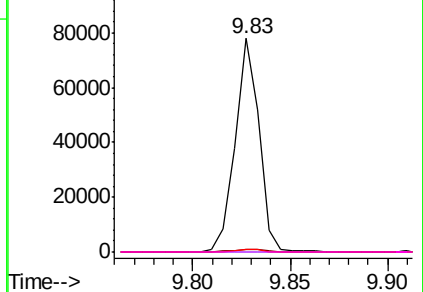
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.6	52.0#
89	0.9	56.2	84.4#
182	0.0	1.8	2.6#

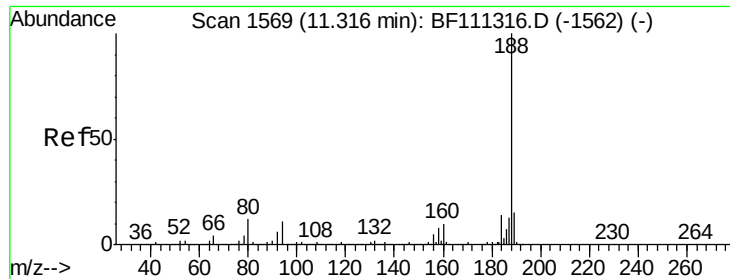
Abundance Ion 165.00 (164.70 to 165.70): E

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

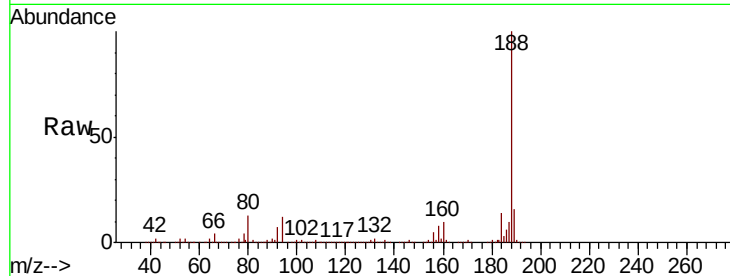




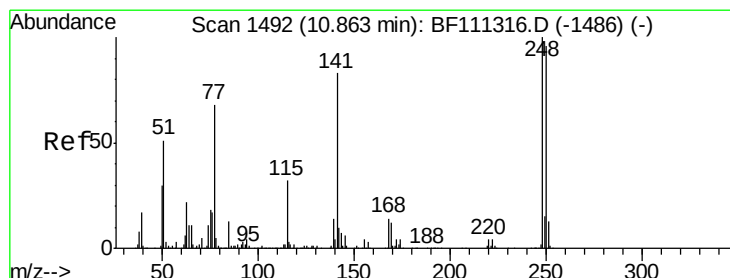
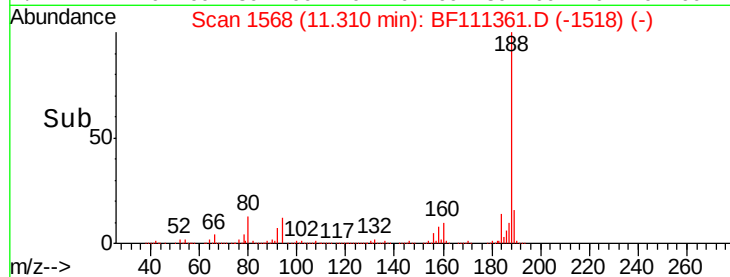
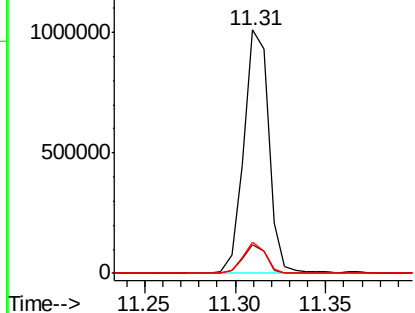
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 966698
Ion Ratio Lower Upper
188 100
94 11.8 9.6 14.4
80 13.0 9.8 14.6

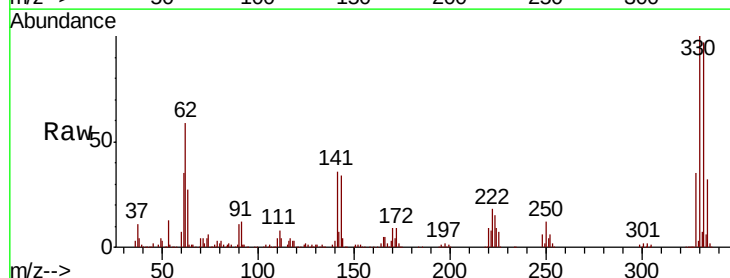


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

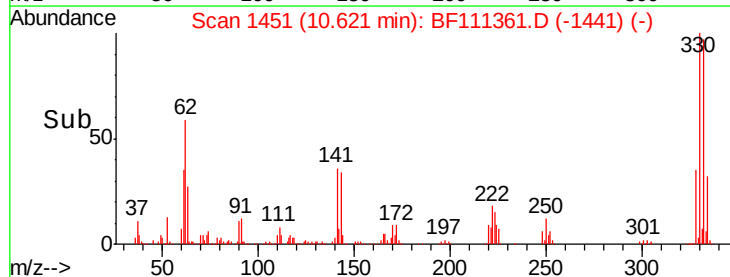
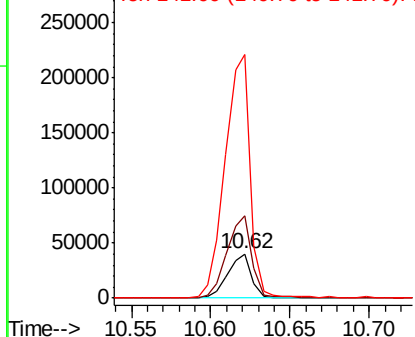


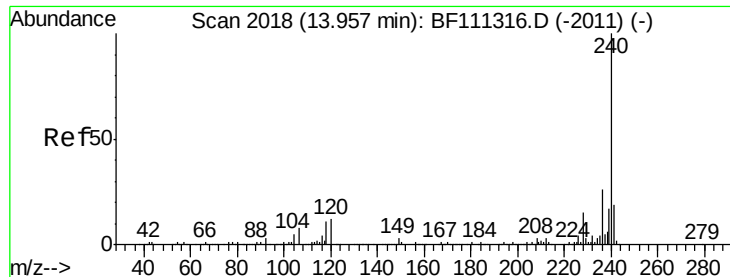
#67
4-Bromophenyl-phenylether
Concen: 3.845 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF111361.D
Acq: 13 Dec 2018 10:50

Tgt Ion:248 Resp: 41375
Ion Ratio Lower Upper
248 100
250 187.3 77.0 115.4#
141 550.7 63.0 94.6#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

Instrument :

BNA_F

ClientSampleId :

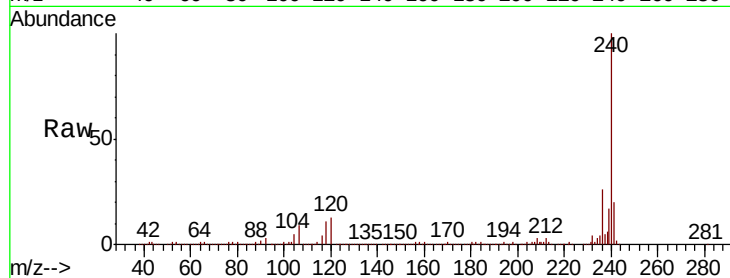
Tot Ion:240 Resp: 796998

Ion	Ratio	Lower	Upper
240	100		
120	12.7	12.2	18.2
236	26.0	20.2	30.2

240 100

120 12.7 12.2 18.2

236 26.0 20.2 30.2

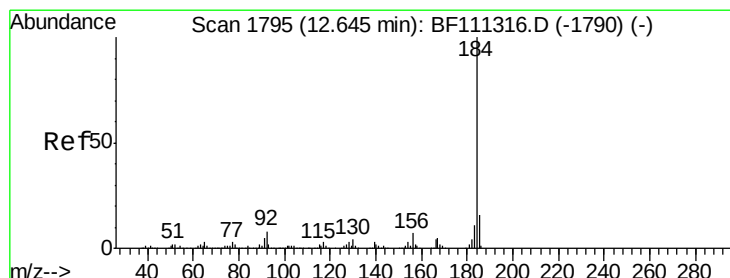
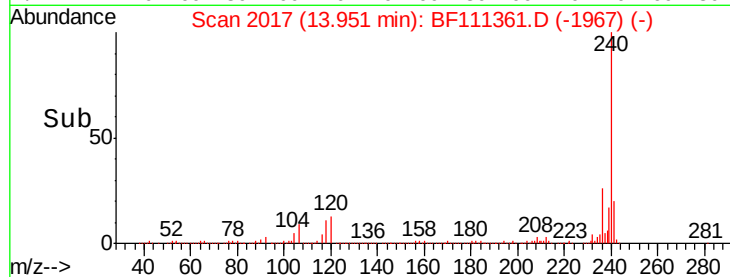
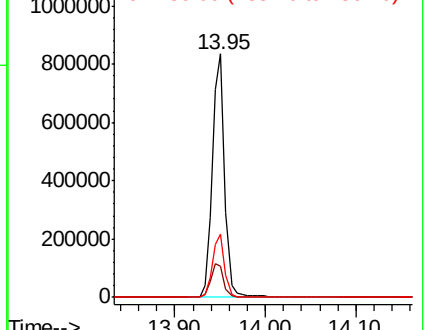


Abundance

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

Benzidine

Concen: 7.789 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF111361.D

Acq: 13 Dec 2018 10:50

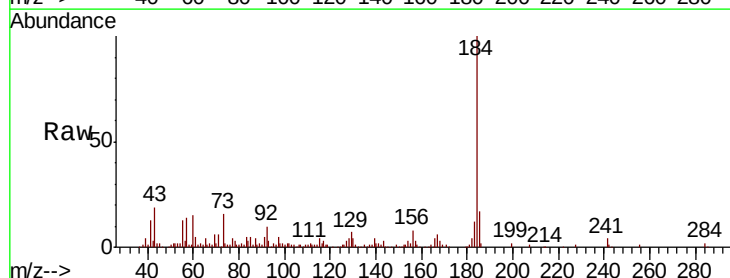
Tgt Ion:184 Resp: 117145

Ion	Ratio	Lower	Upper
184	100		
185	17.0	13.0	19.6
183	12.2	9.3	13.9

184 100

185 17.0 13.0 19.6

183 12.2 9.3 13.9

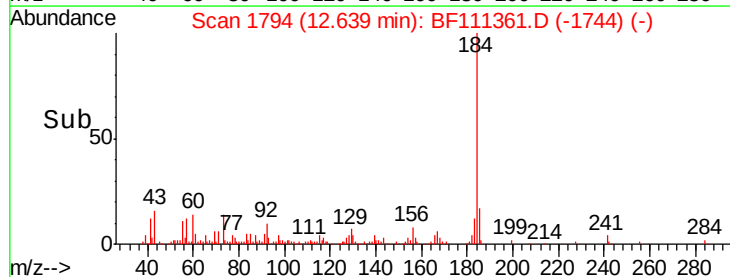
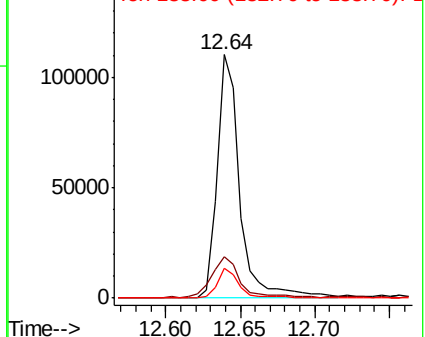


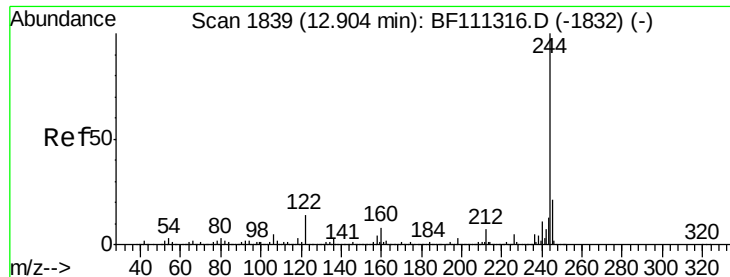
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

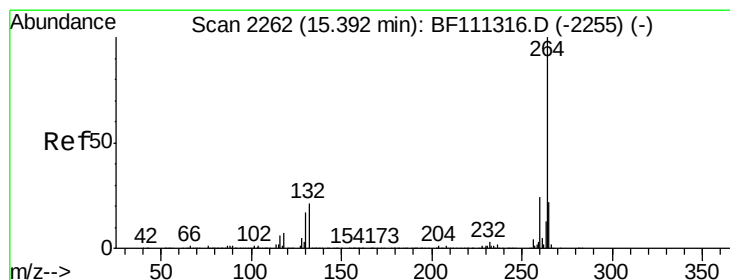
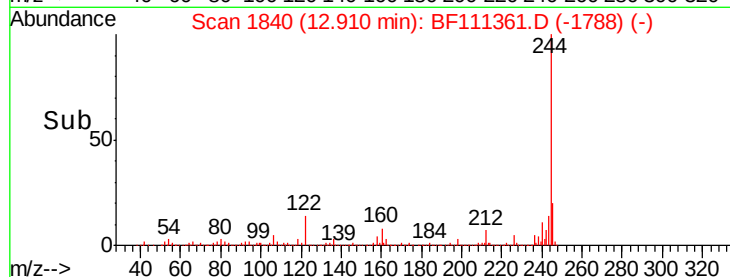
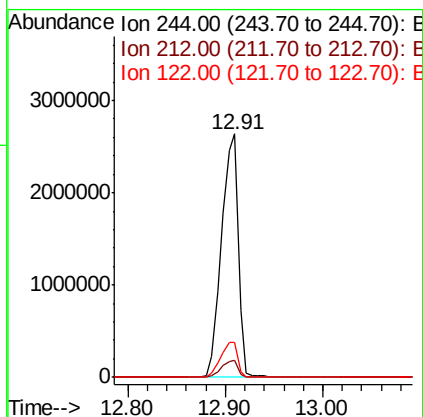
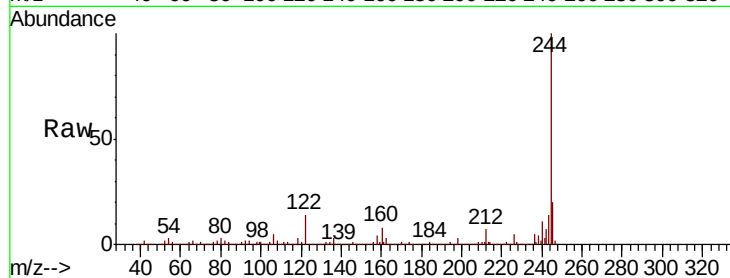




#79
 Terphenyl-d14
 Concen: 87.213 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 3158124
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 14.1 13.1 19.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: BF111361.D
 Acq: 13 Dec 2018 10:50

Tgt Ion:264 Resp: 611514
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.3 27.5
 265 21.5 17.7 26.5

