

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115102.D
 Acq On : 22 Jun 2019 2:16
 Operator : HP/JU
 Sample : PB120818BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120818BL

Quant Time: Jun 22 04:59:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 21 17:55:32 2019
 Response via : Initial Calibration

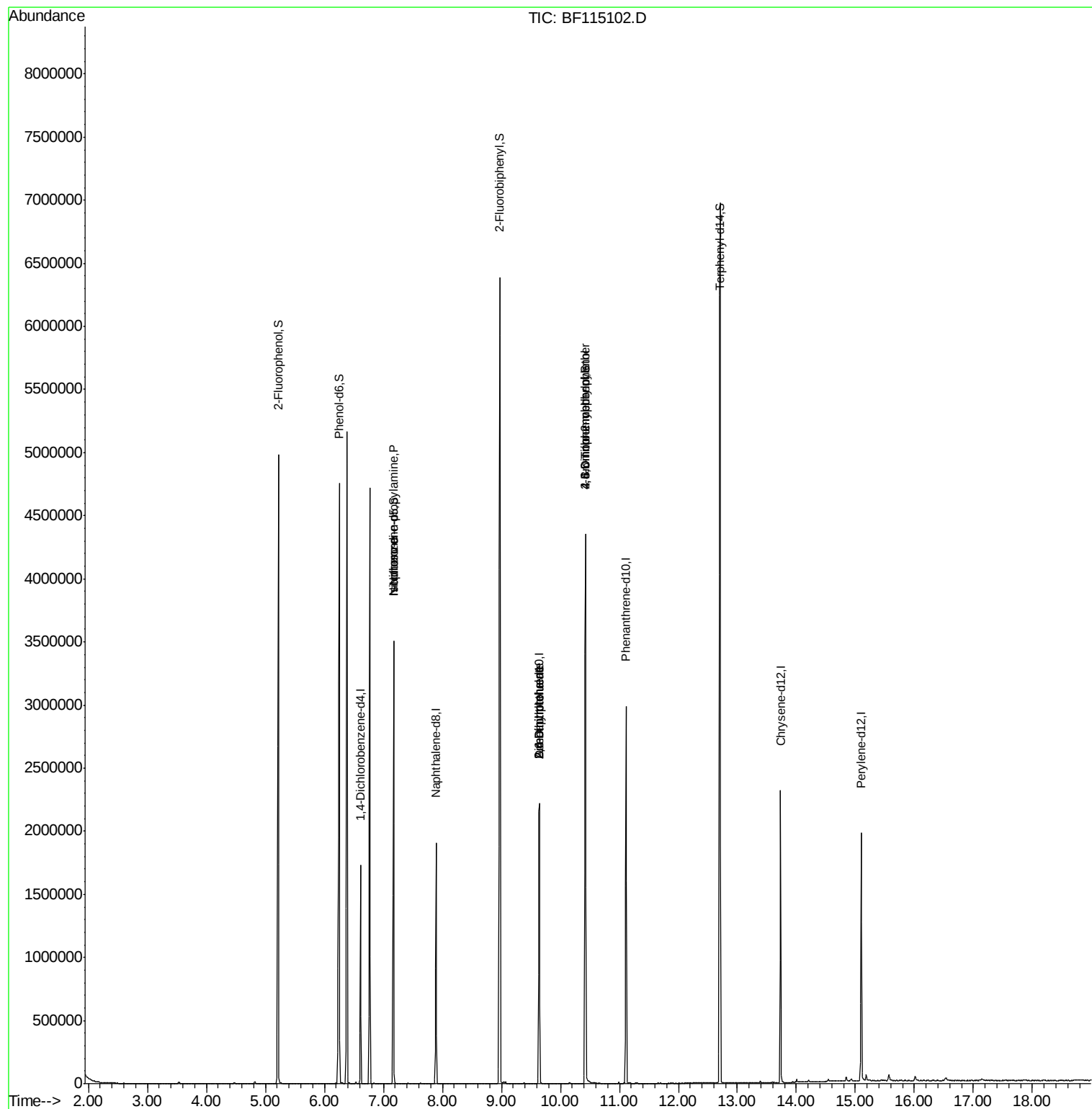
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	254303	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	969558	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	480673	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	960207	20.00	ng	0.00
76) Chrysene-d12	13.73	240	772897	20.00	ng	-0.02
87) Perylene-d12	15.10	264	774153	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1666096	101.10	ng	0.01
7) Phenol-d6	6.25	99	2079902	103.99	ng	0.00
23) Nitrobenzene-d5	7.17	82	1258591	79.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	572336	112.91	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2364306	83.55	ng	-0.01
79) Terphenyl-d14	12.71	244	2687862	73.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	166302	12.987	ng	# 78
25) Isophorone	7.17	82	1247480	38.637	ng	# 63
50) Dimethylphthalate	9.64	163	132693	3.752	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	61717	7.559	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	61717	5.854	ng	# 30
58) Fluorene	10.42	166	25452	Below Cal		# 88
65) 4,6-Dinitro-2-methylphenol	10.42	198	1255	5.180	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	35794	3.438	ng	# 1

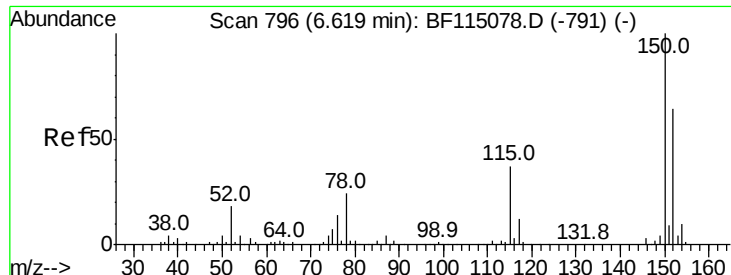
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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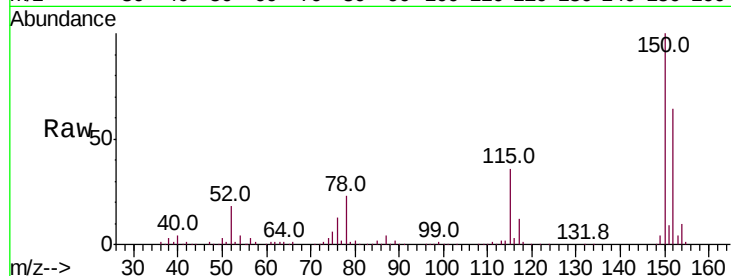


#1

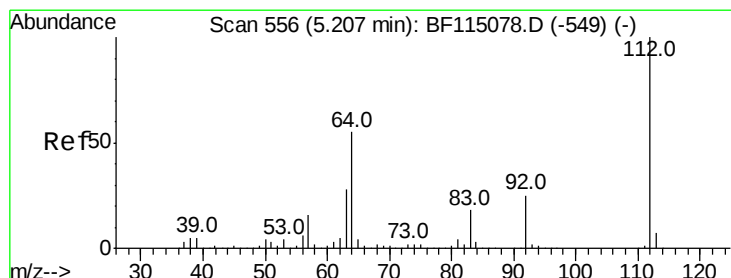
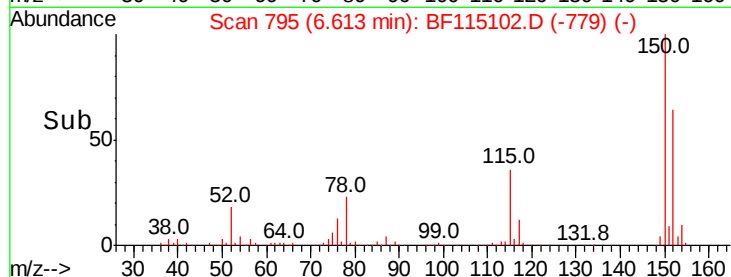
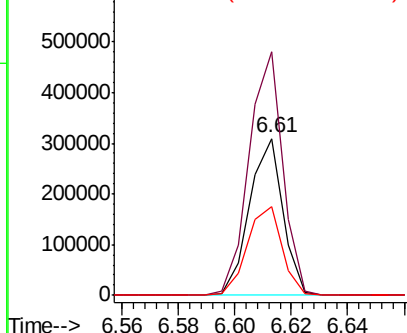
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115102.D
Acq: 22 Jun 2019 2:16

Instrument :
BNA_F
ClientSampleId :
PB120818BL

Tot Ion:152 Resp: 254303
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 56.3 46.1 69.1



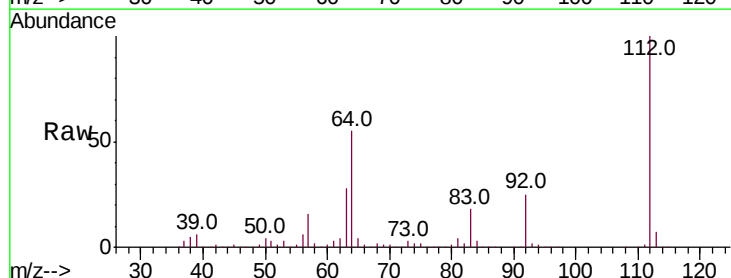
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



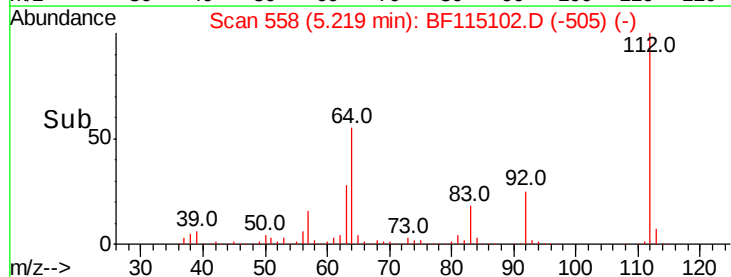
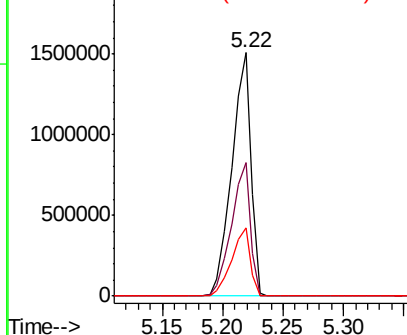
#5

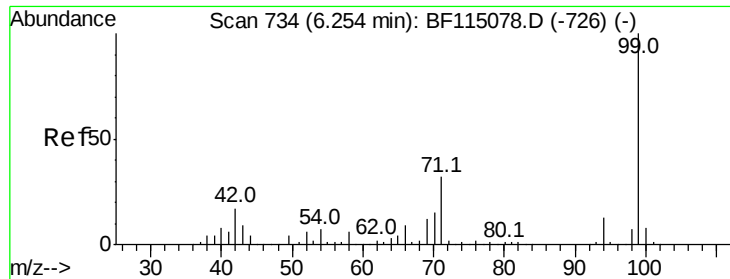
2-Fluorophenol
Concen: 101.103 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115102.D
Acq: 22 Jun 2019 2:16

Tgt Ion:112 Resp: 1666096
Ion Ratio Lower Upper
112 100
64 54.9 43.8 65.6
63 28.2 22.2 33.4



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: 103.986 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Instrument :

BNA_F

ClientSampleId :

PB120818BL

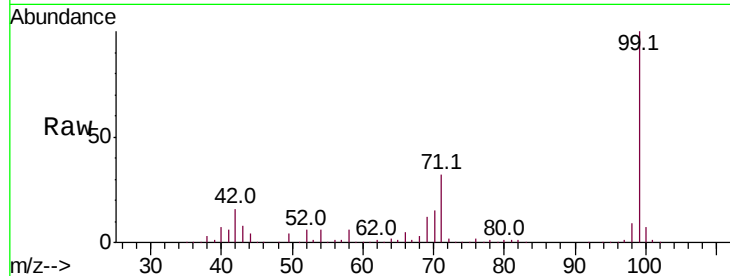
Tot Ion: 99 Resp: 2079902

Ion Ratio Lower Upper

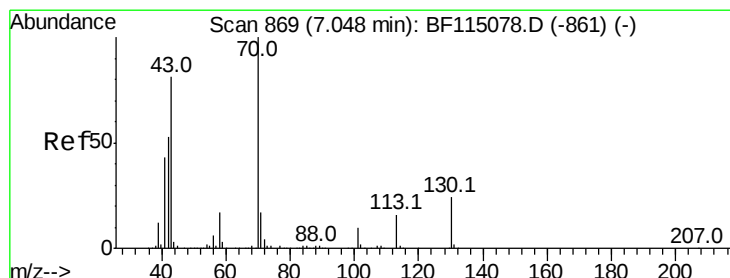
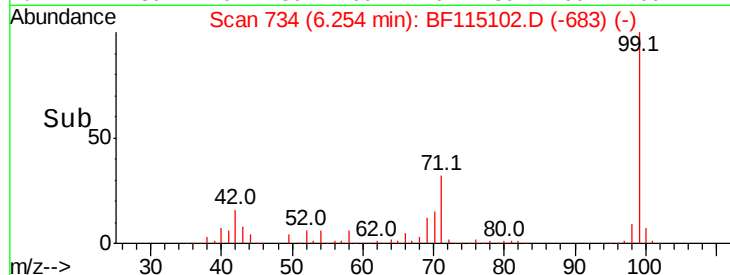
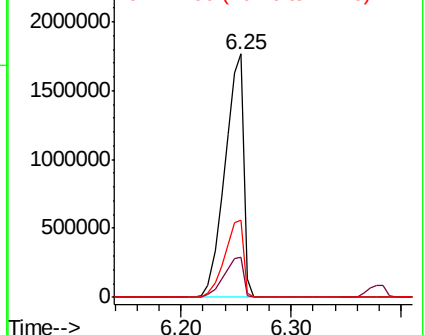
99 100

42 16.2 13.6 20.4

71 31.9 25.5 38.3



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: 12.987 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Tgt Ion: 70 Resp: 166302

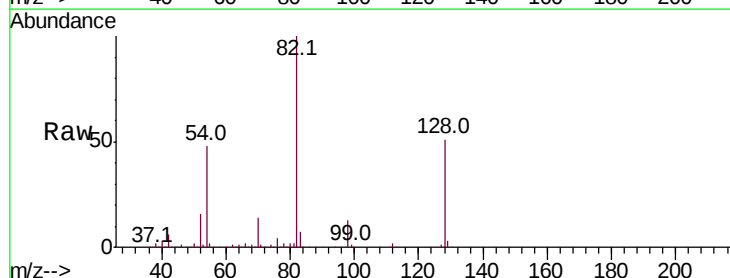
Ion Ratio Lower Upper

70 100

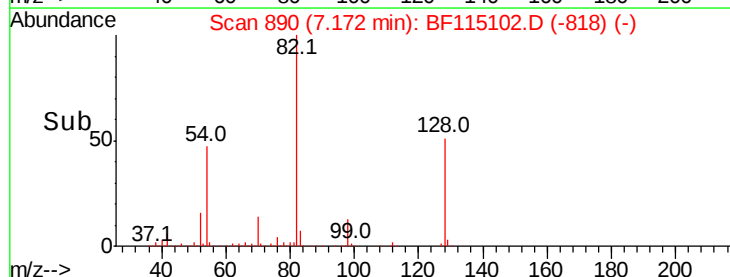
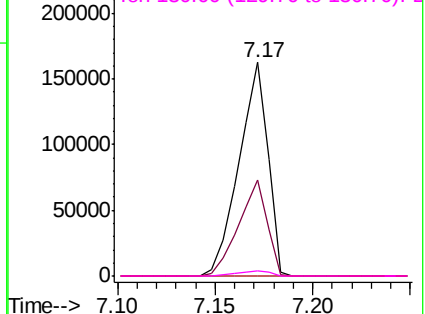
42 45.0 42.6 63.8

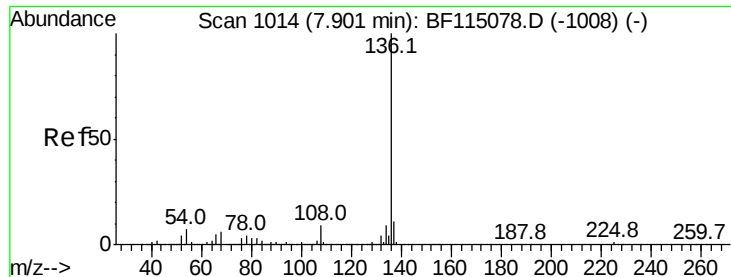
101 0.0 8.0 12.0#

130 2.4 19.4 29.0#



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): B
Ion 130.00 (129.70 to 130.70): B





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Instrument :

BNA_F

ClientSampled :

PB120818BL

Tot Ion:136 Resp: 969558

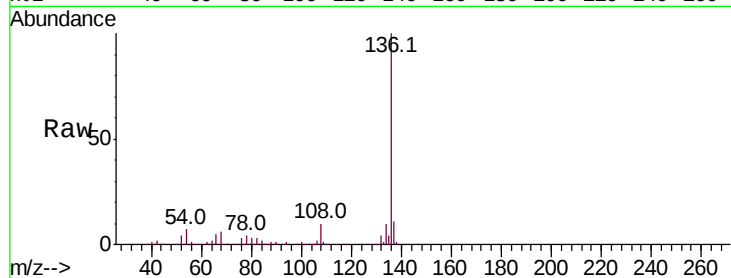
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.3 5.6 8.4

68 6.4 4.8 7.2

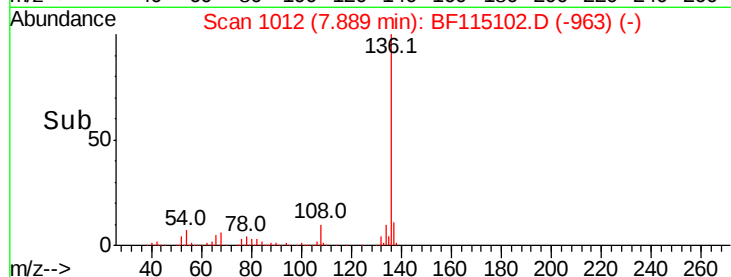


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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



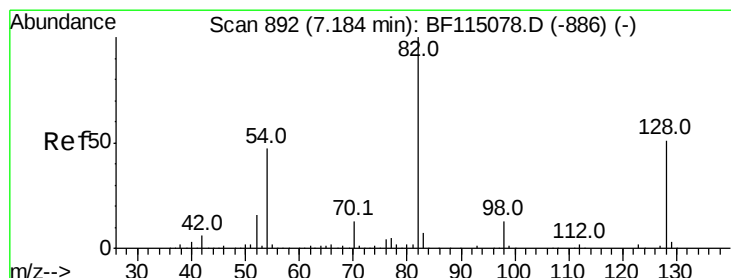
Abundance

1000000 7.89

500000

0

Time-->



#23

Nitrobenzene-d5

Concen: 79.854 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

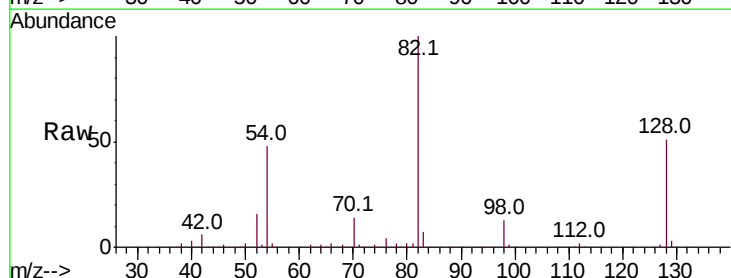
Tgt Ion: 82 Resp: 1258591

Ion Ratio Lower Upper

82 100

128 50.6 40.4 60.6

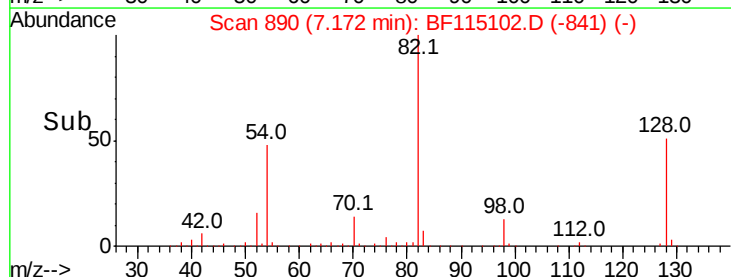
54 47.6 37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

1500000 Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



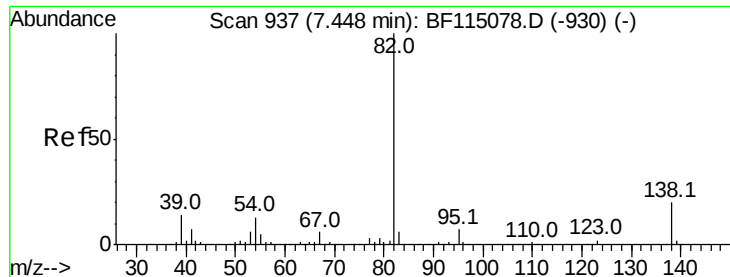
Abundance

1000000 7.17

500000

0

Time-->



#25

Isophorone

Concen: 38.637 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Instrument :

BNA_F

ClientSampleId :

PB120818BL

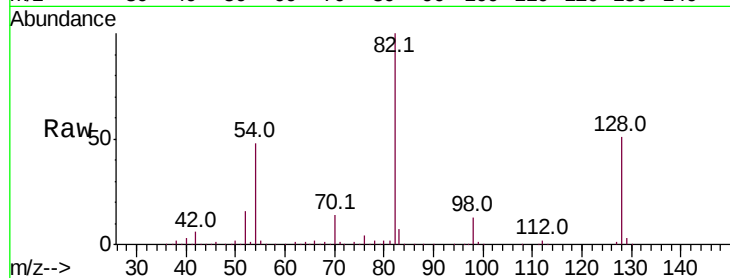
Tot Ion: 82 Resp: 1247480

Ion Ratio Lower Upper

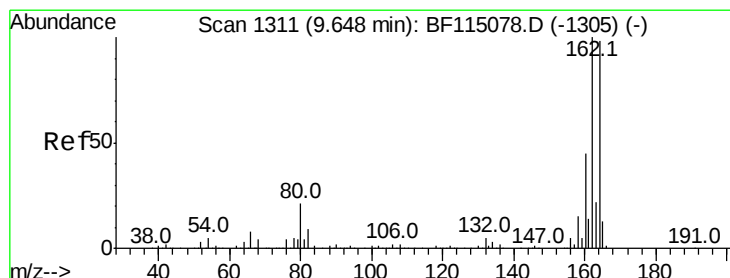
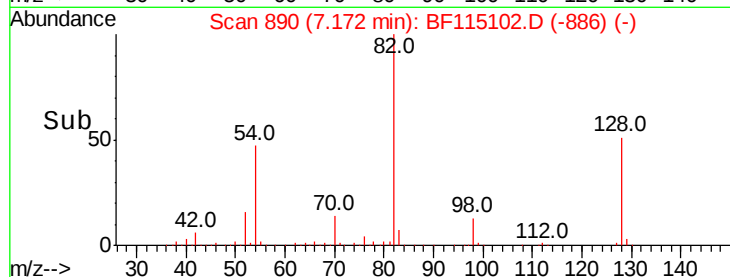
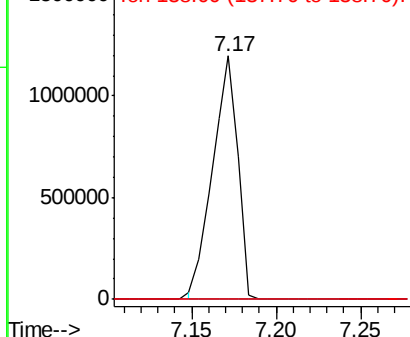
82 100

95 0.0 5.4 8.2#

138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

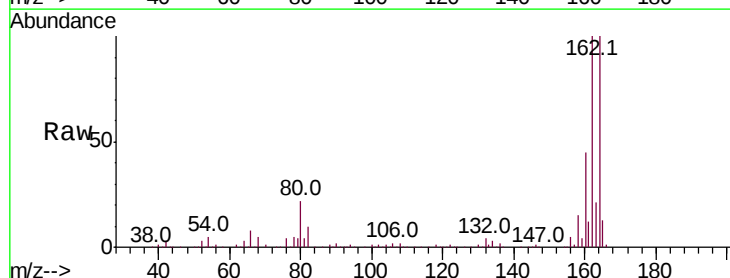
Tgt Ion:164 Resp: 480673

Ion Ratio Lower Upper

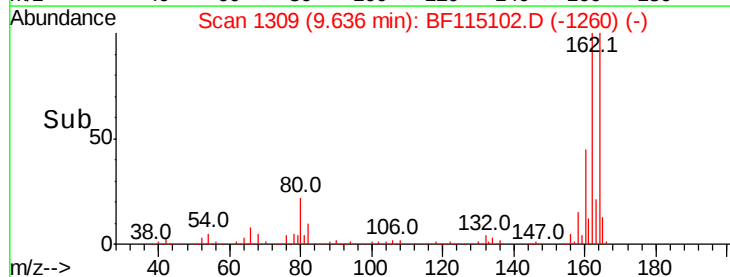
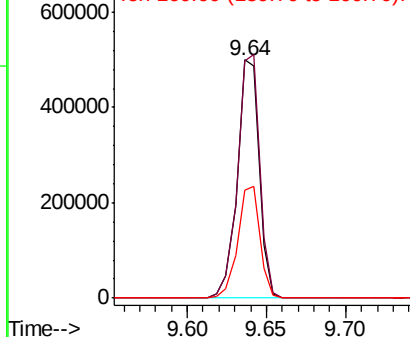
164 100

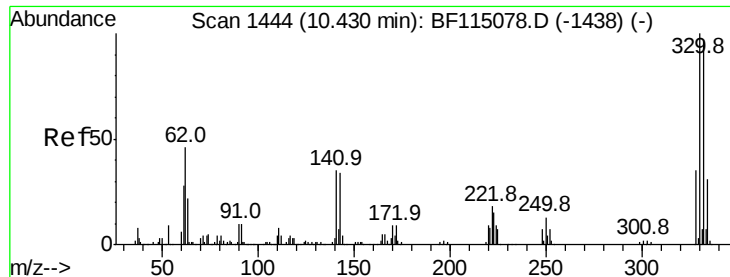
162 99.7 81.7 122.5

160 45.5 37.0 55.4



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

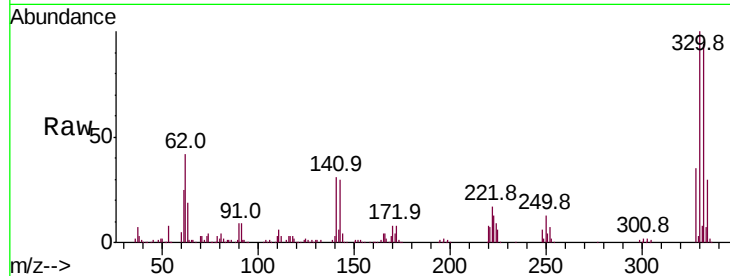




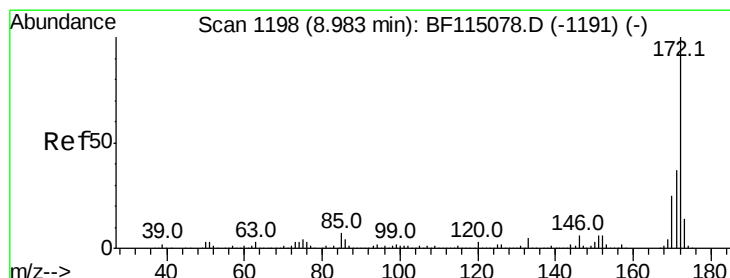
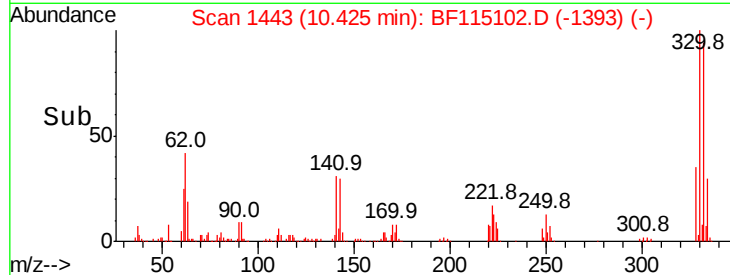
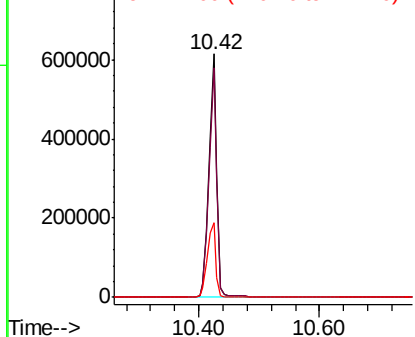
#42
 2,4,6-Tribromophenol
 Concen: 112.912 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 PB120818BL

Tot Ion:330 Resp: 572336
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.3 115.9
 141 32.8 28.2 42.2

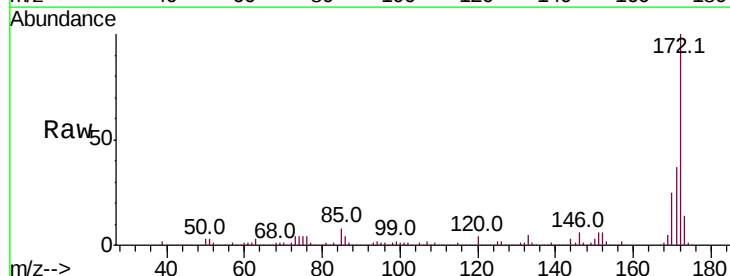


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

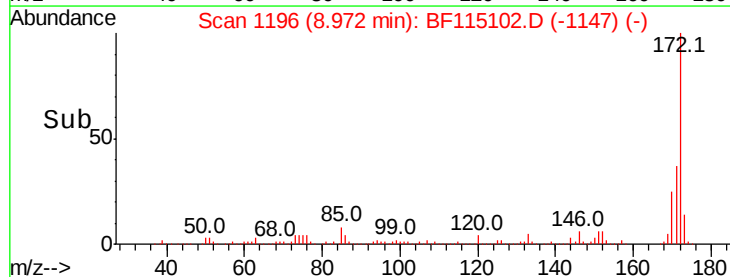
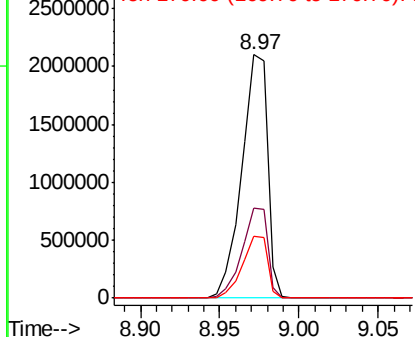


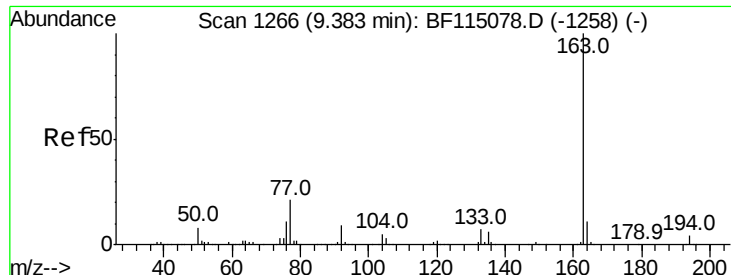
#45
 2-Fluorobiphenyl
 Concen: 83.551 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Tgt Ion:172 Resp: 2364306
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.2 20.3 30.5



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





#50

Dimethylphthalate

Concen: 3.752 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.26 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Instrument :

BNA_F

ClientSampleId :

PB120818BL

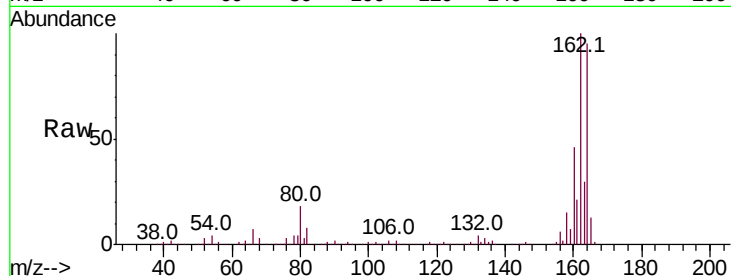
Tot Ion:163 Resp: 132693

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

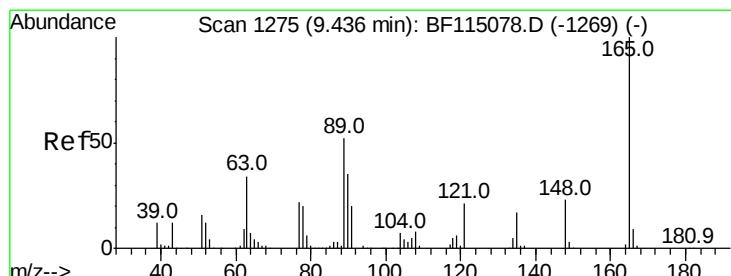
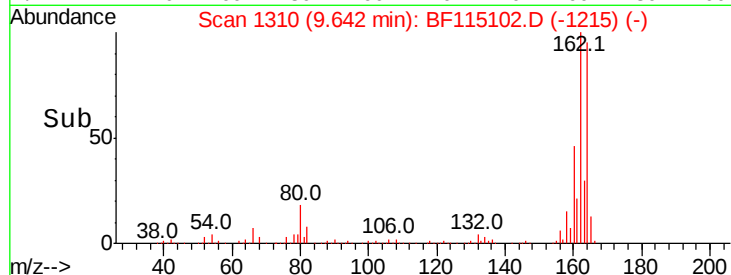
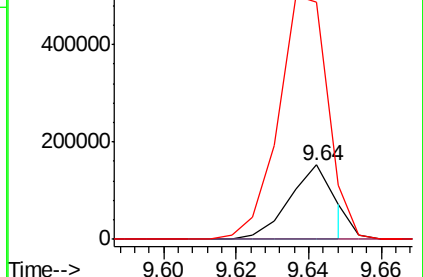
164 319.0 8.6 13.0#



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



#51

2,6-Dinitrotoluene

Concen: 7.559 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

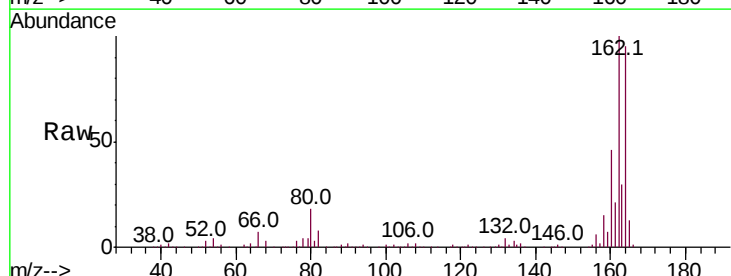
Tgt Ion:165 Resp: 61717

Ion Ratio Lower Upper

165 100

63 1.5 39.4 59.2#

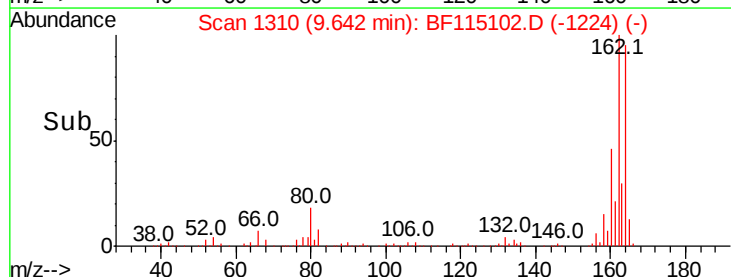
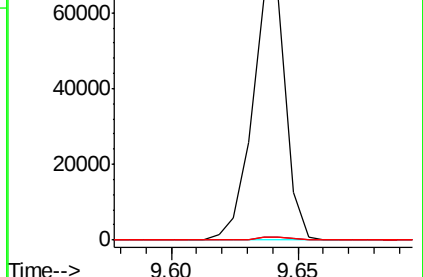
89 1.2 42.0 63.0#

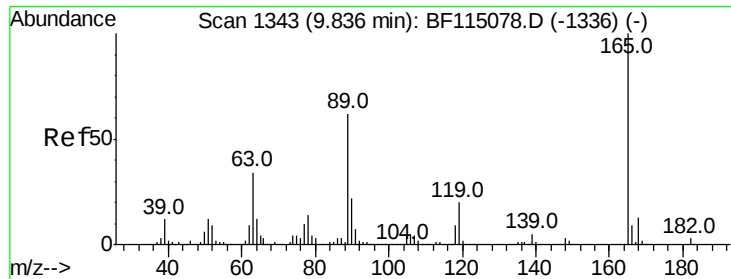


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

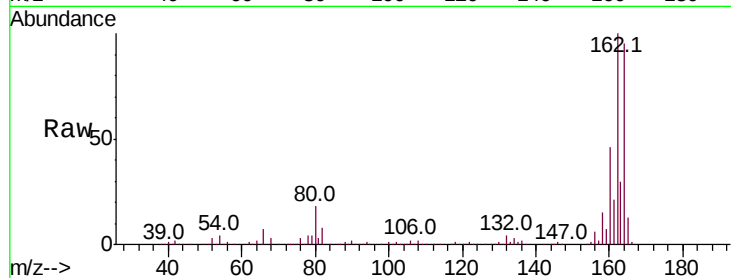




#57
 2,4-Dinitrotoluene
 Concen: 5.854 ng
 RT: 9.64 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Instrument :
 BNA_F
 ClientSampleID :
 PB120818BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.5	41.3#
89	1.2	49.9	74.9#
182	0.0	2.1	3.1#



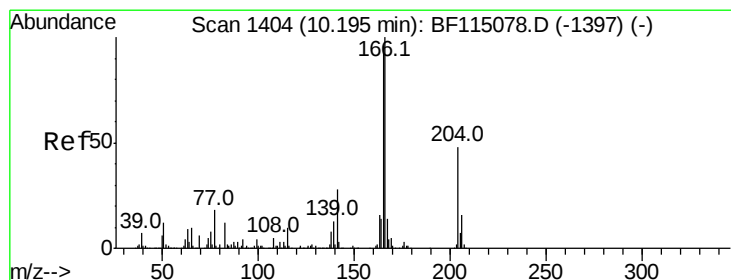
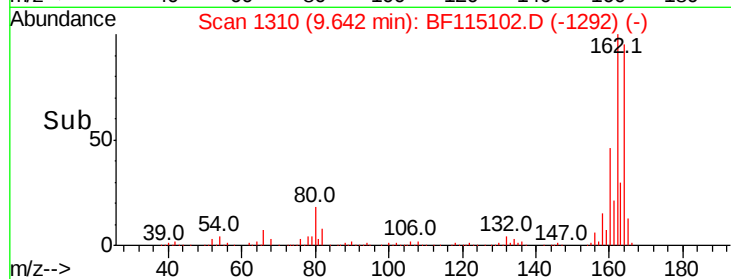
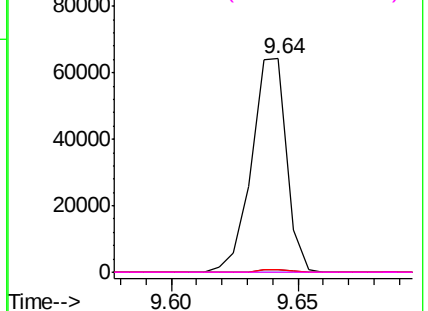
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

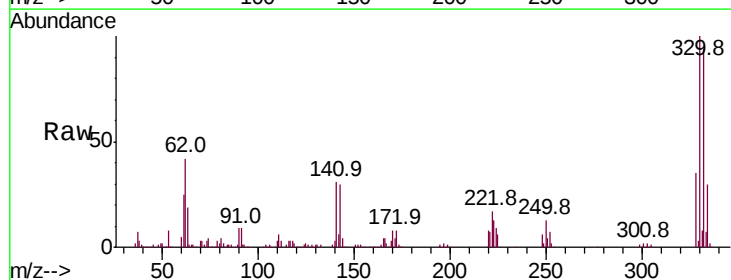
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 1443
 Delta R.T. 0.23 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	76.5	114.7
167	35.6	11.0	16.4#

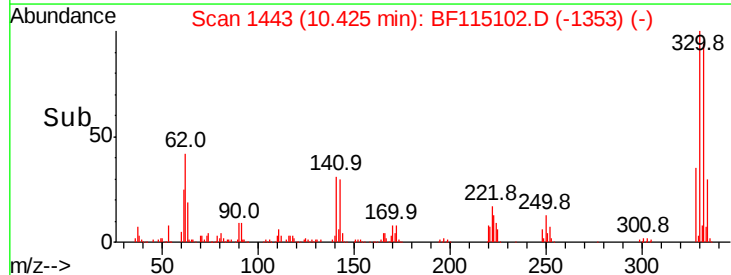
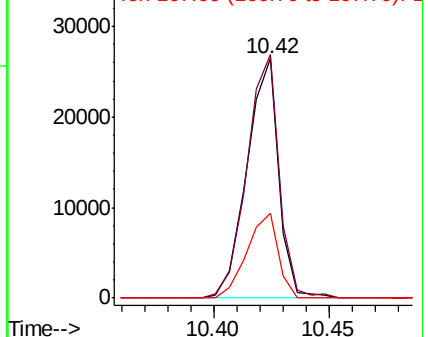


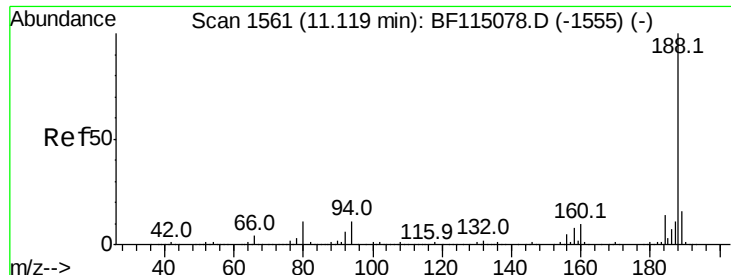
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

Instrument :

BNA_F

ClientSampleId :

PB120818BL

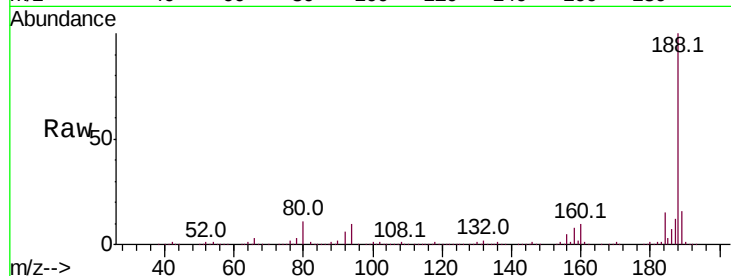
Tot Ion:188 Resp: 960207

Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

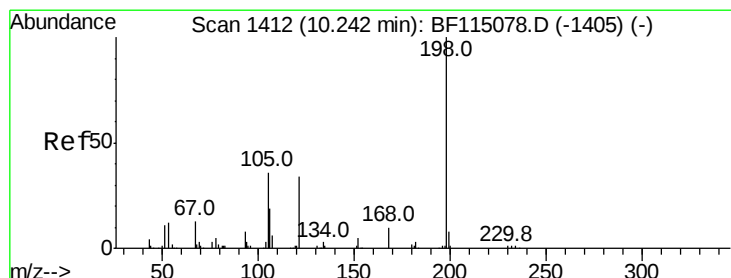
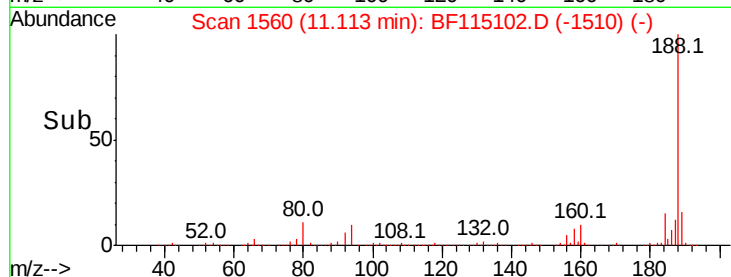
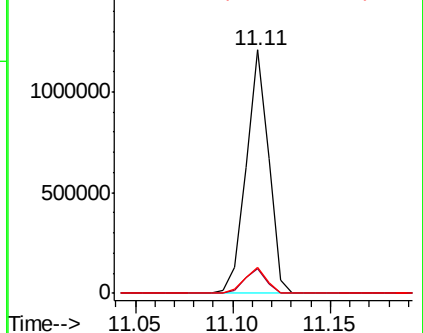
80 10.6 8.8 13.2



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.180 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115102.D

Acq: 22 Jun 2019 2:16

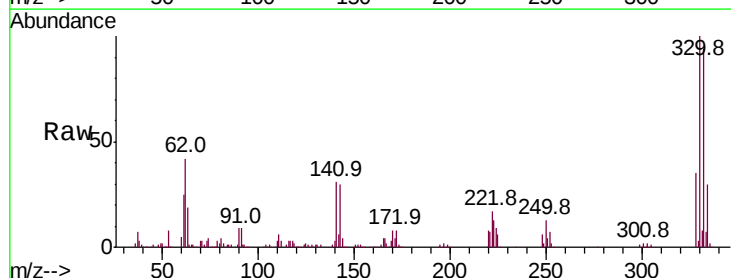
Tgt Ion:198 Resp: 1255

Ion Ratio Lower Upper

198 100

51 144.4 11.0 51.0#

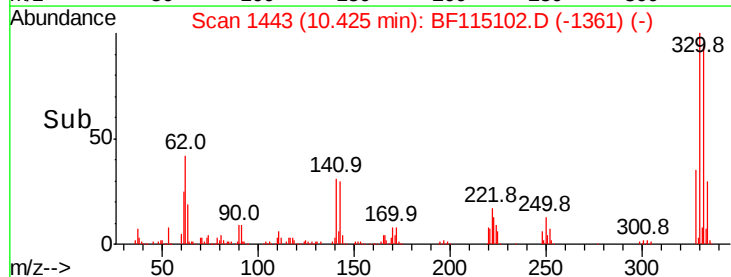
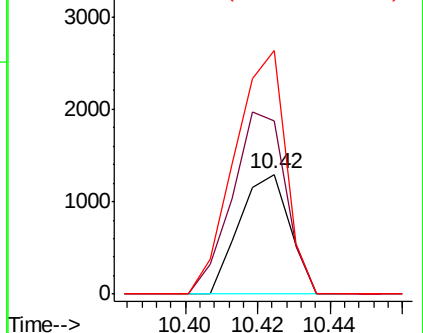
105 203.6 17.3 57.3#

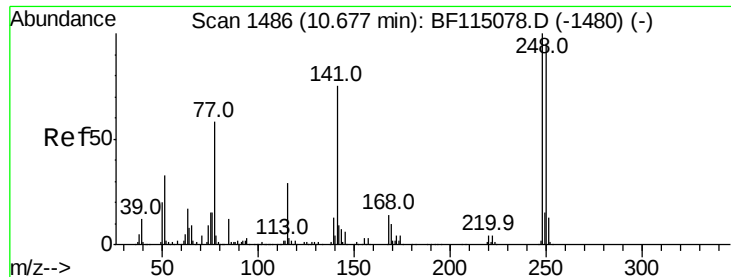


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

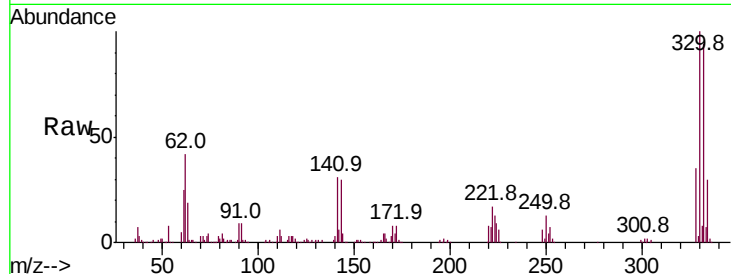




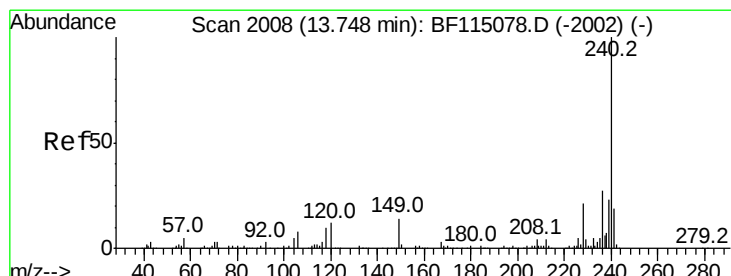
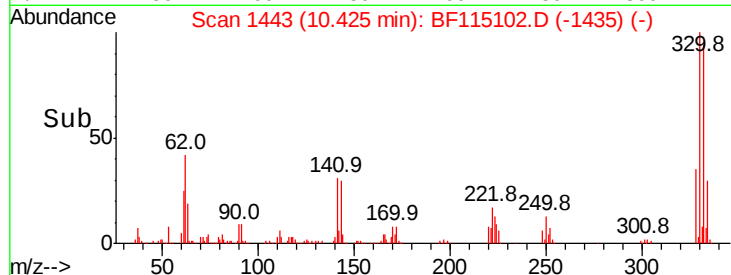
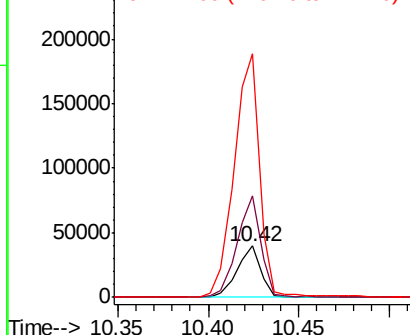
#67
 4-Bromophenyl-phenylether
 Concen: 3.438 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.25 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 PB120818BL

Tot Ion:248 Resp: 35794
 Ion Ratio Lower Upper
 248 100
 250 197.8 76.2 114.2#
 141 475.1 59.6 89.4#

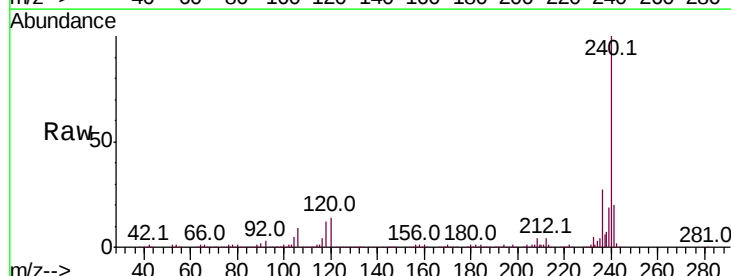


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

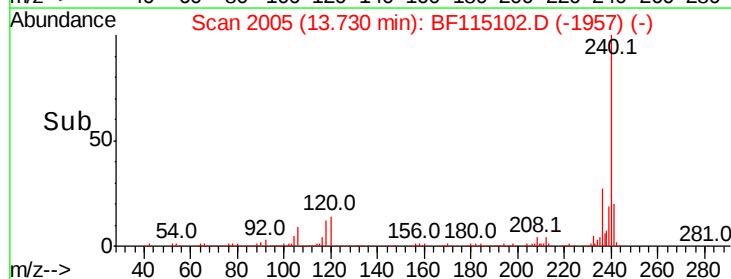
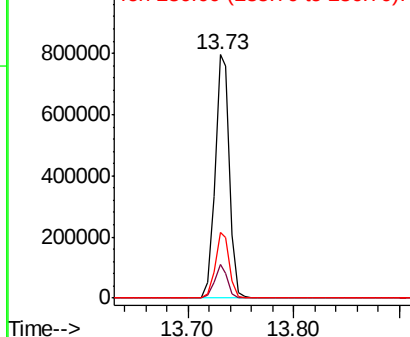


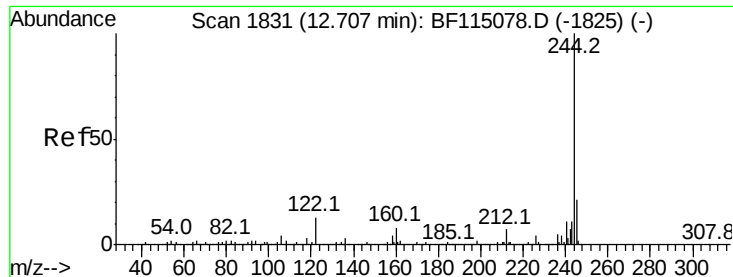
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.73 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Tgt Ion:240 Resp: 772897
 Ion Ratio Lower Upper
 240 100
 120 14.1 9.4 14.2
 236 27.2 21.7 32.5



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



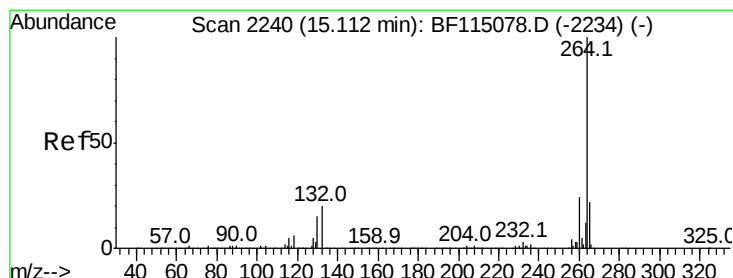
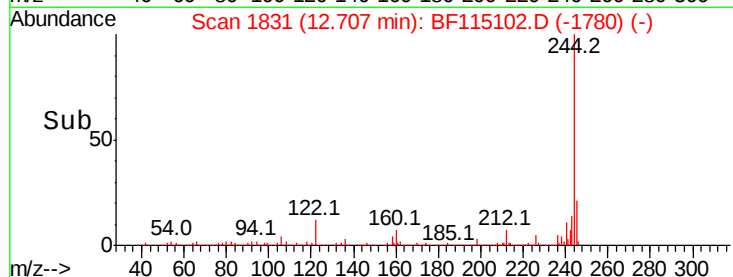
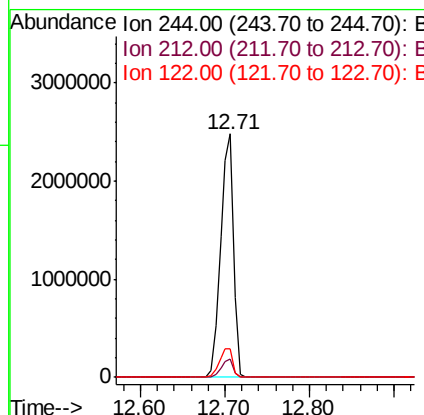
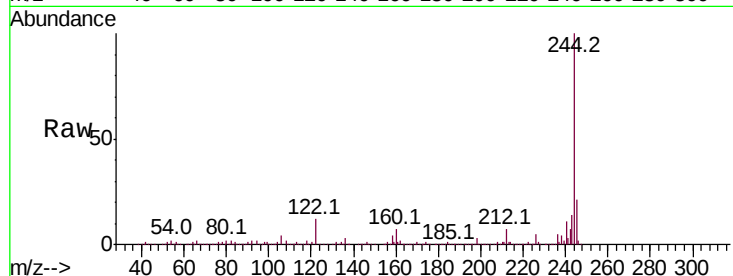


#79
 Terphenyl-d14
 Concen: 73.940 ng
 RT: 12.71 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Instrument :
 BNA_F
 ClientSampleId :
 PB120818BL

Tot Ion:244 Resp: 2687862

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	11.8	10.4	15.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF115102.D
 Acq: 22 Jun 2019 2:16

Tgt Ion:264 Resp: 774153

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	21.9	17.3	25.9

