

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115100.D
 Acq On : 22 Jun 2019 1:24
 Operator : HP/JU
 Sample : PB120777BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Quant Time: Jun 22 04:58:58 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

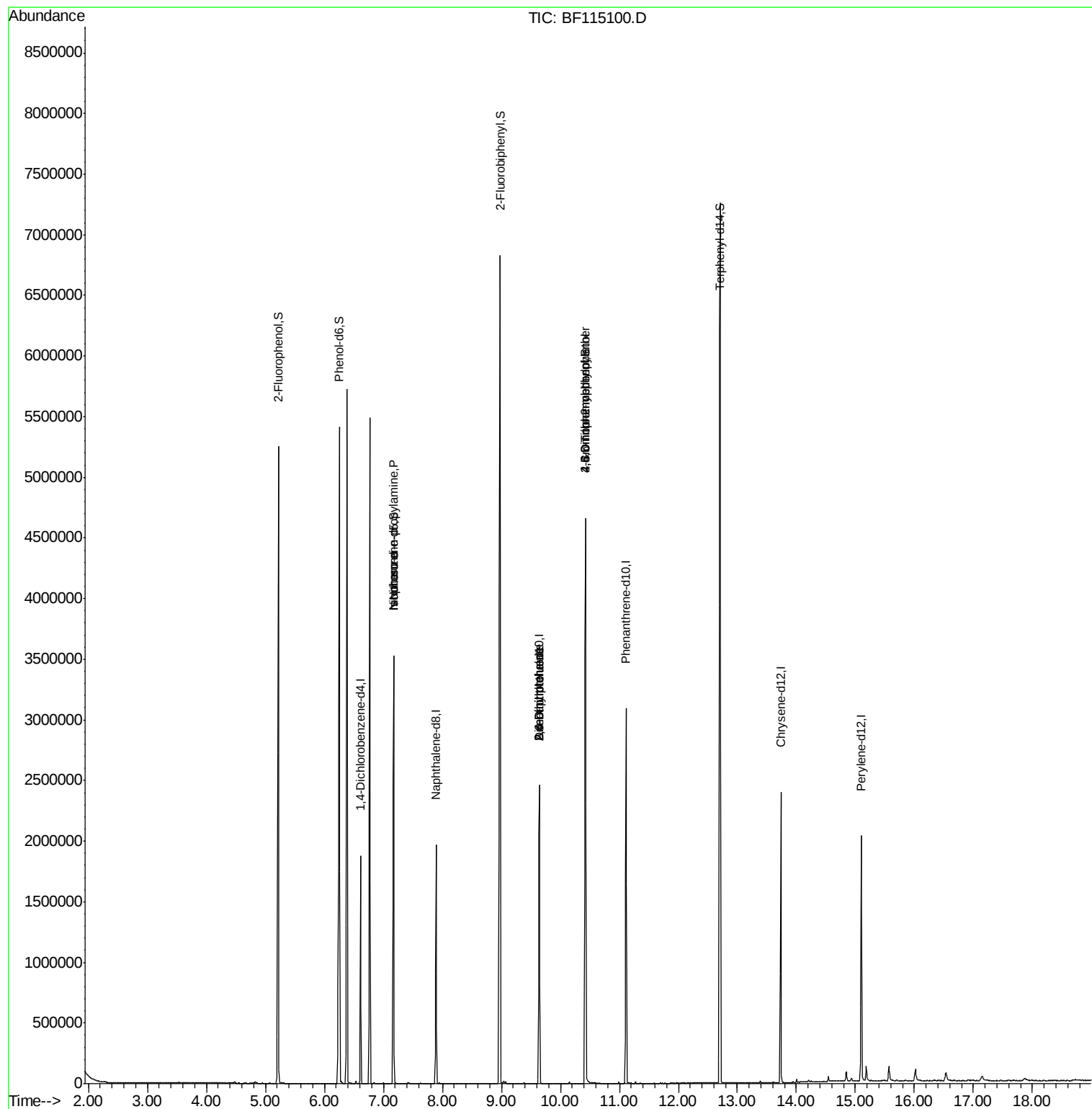
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	262718	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1014257	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	496153	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	999964	20.00	ng	0.00
76) Chrysene-d12	13.74	240	790999	20.00	ng	-0.01
87) Perylene-d12	15.10	264	823276	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1872478	109.99	ng	0.01
7) Phenol-d6	6.25	99	2281464	110.41	ng	0.00
23) Nitrobenzene-d5	7.17	82	1407816	85.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	633772	121.13	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	2581484	88.38	ng	0.00
79) Terphenyl-d14	12.71	244	2906699	78.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	187673	14.186	ng	# 78
25) Isophorone	7.17	82	1338255	39.621	ng	# 63
50) Dimethylphthalate	9.64	163	142336	3.899	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	63990	7.593	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	63990	5.881	ng	# 30
58) Fluorene	10.42	166	28321	Below Cal		# 86
65) 4,6-Dinitro-2-methylphenol	10.42	198	1467	5.207	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	40034	3.693	ng	# 1

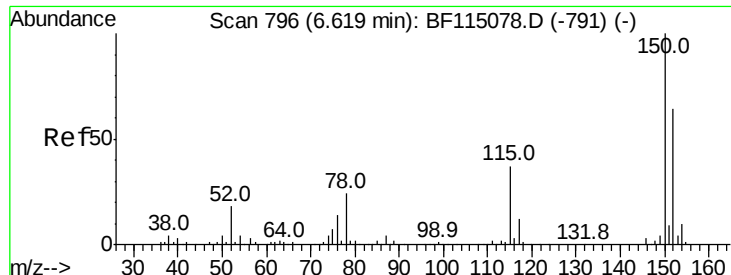
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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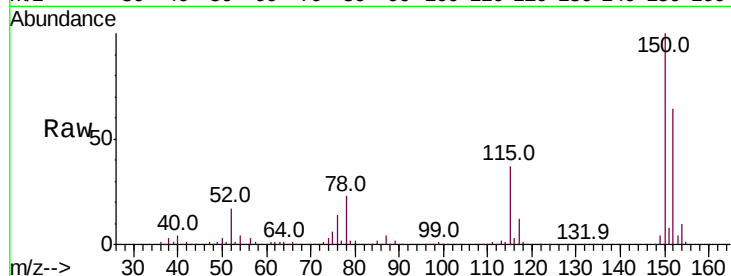


#1

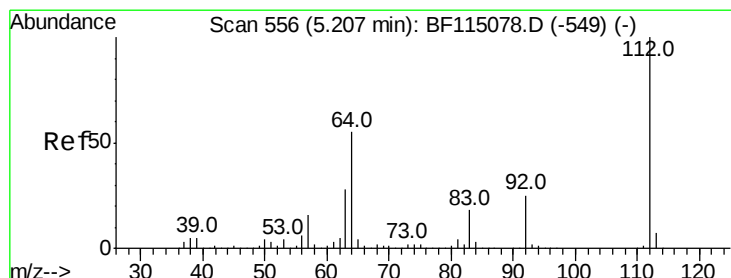
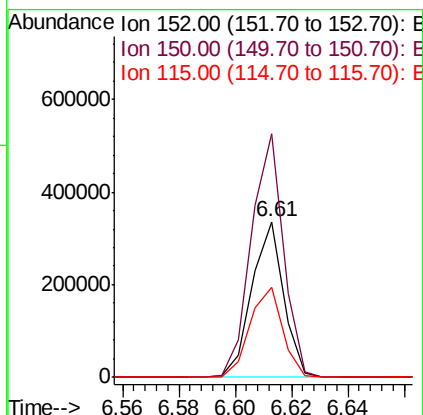
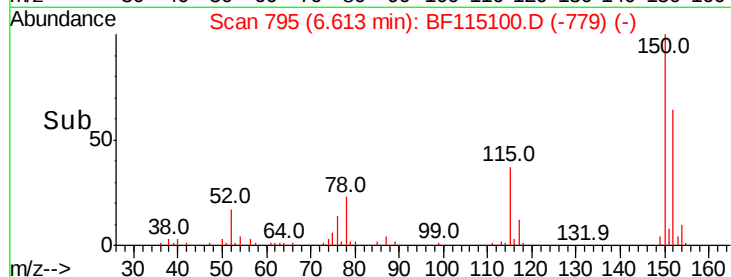
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :
PB120777BL

Tot Ion:152 Resp: 262718
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.2
115 58.0 46.1 69.1



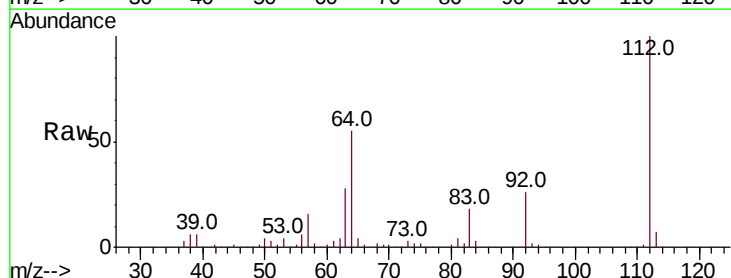
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



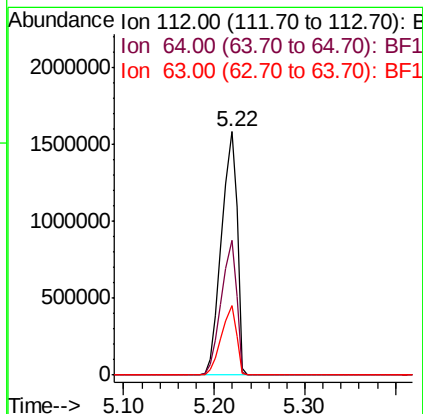
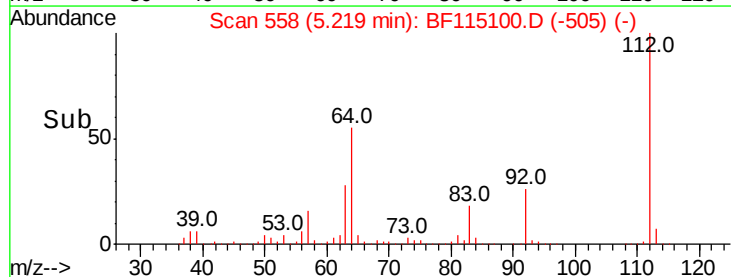
#5

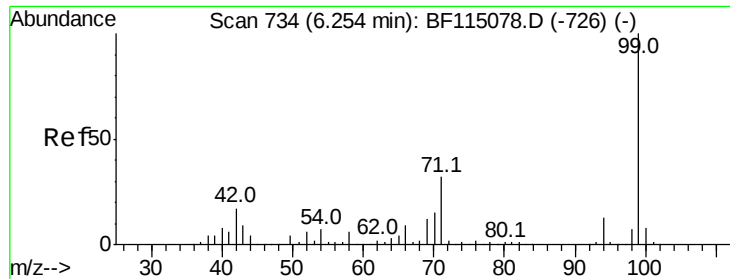
2-Fluorophenol
Concen: 109.987 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion:112 Resp: 1872478
Ion Ratio Lower Upper
112 100
64 55.2 43.8 65.6
63 28.4 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: 110.409 ng

RT: 6.25 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

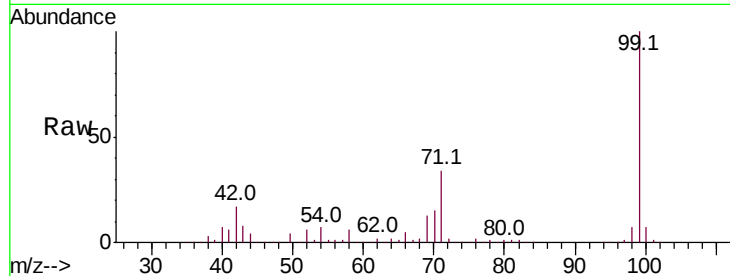
Tot Ion: 99 Resp: 2281464

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

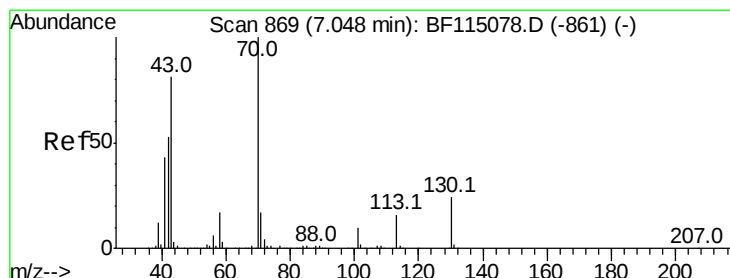
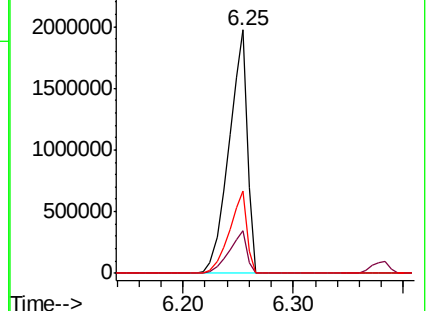
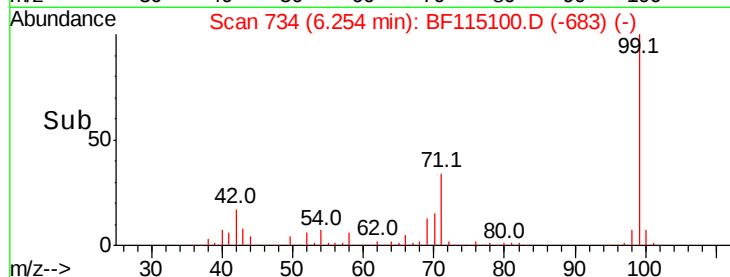
71 33.6 25.5 38.3



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: 14.186 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Tgt Ion: 70 Resp: 187673

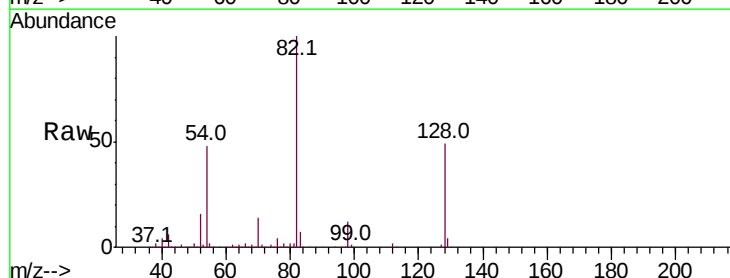
Ion Ratio Lower Upper

70 100

42 45.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.3 19.4 29.0#

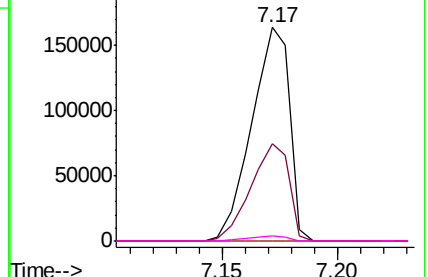
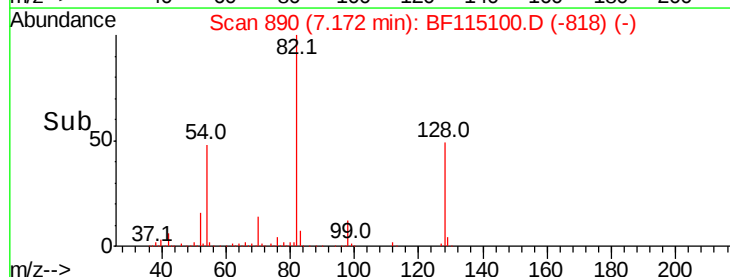


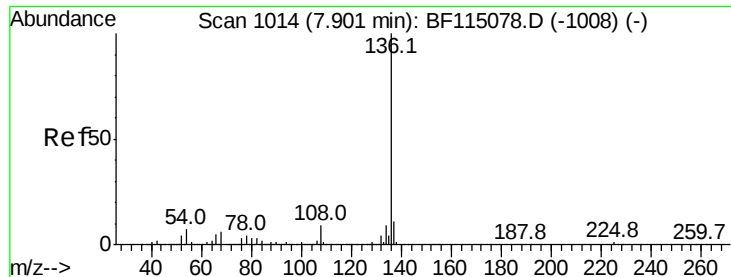
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

Tot Ion:136 Resp: 1014257

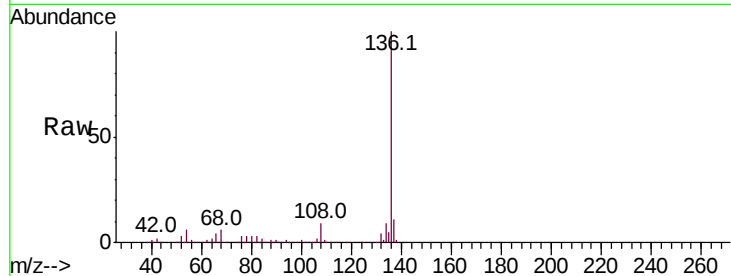
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.3 5.6 8.4

68 5.5 4.8 7.2

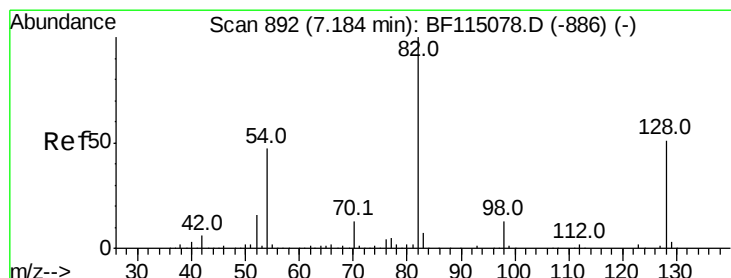
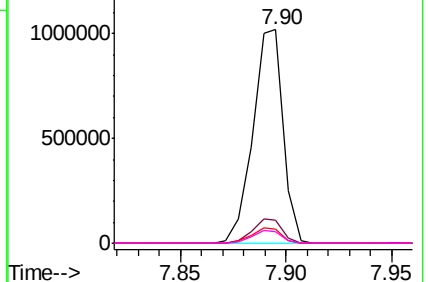
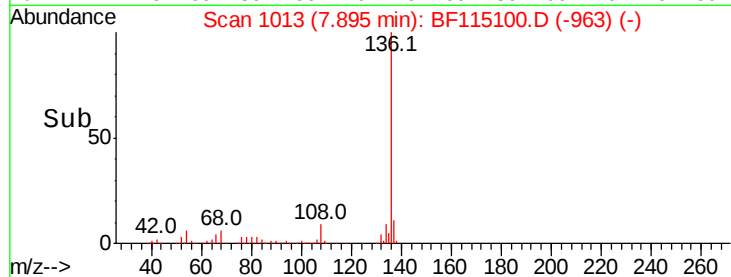


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.385 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

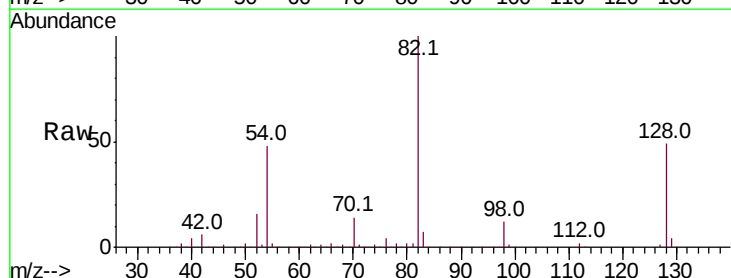
Tgt Ion: 82 Resp: 1407816

Ion Ratio Lower Upper

82 100

128 49.4 40.4 60.6

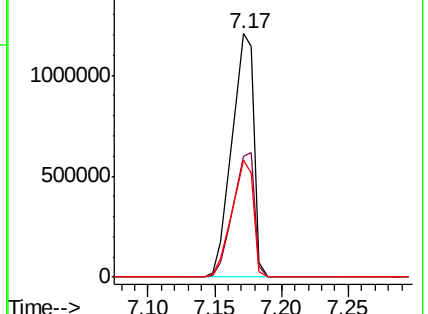
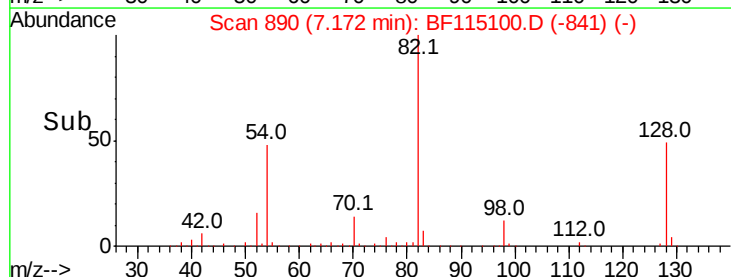
54 48.0 37.5 56.3

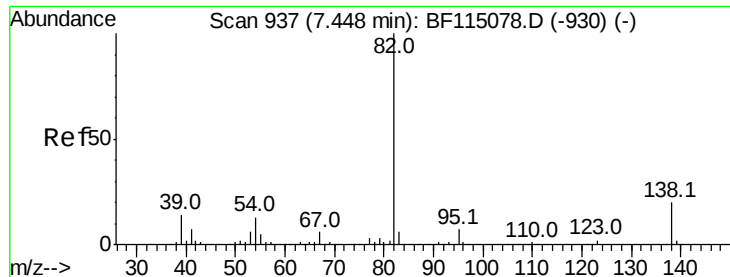


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.621 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

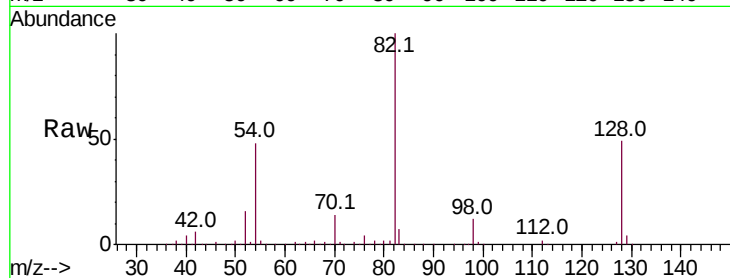
Tot Ion: 82 Resp: 1338255

Ion Ratio Lower Upper

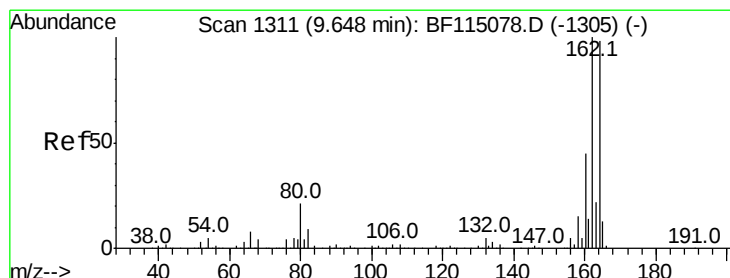
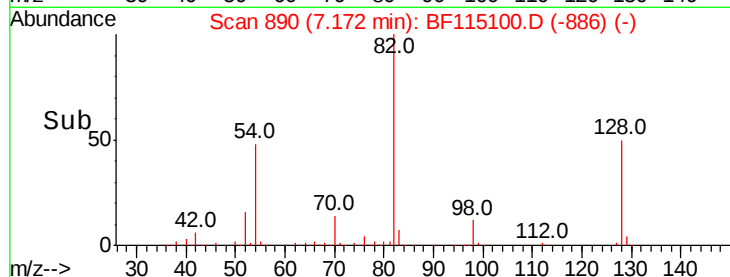
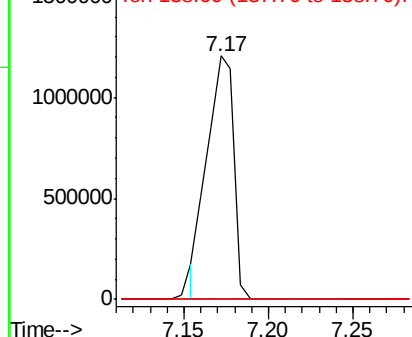
82 100

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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

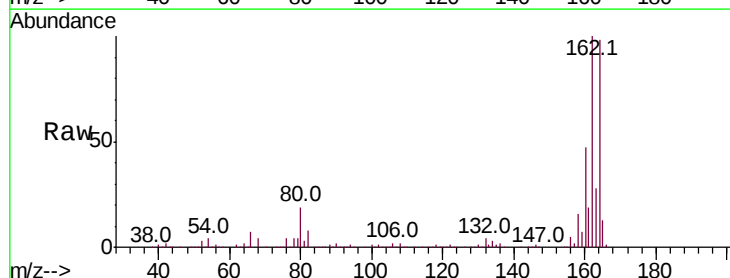
Tgt Ion:164 Resp: 496153

Ion Ratio Lower Upper

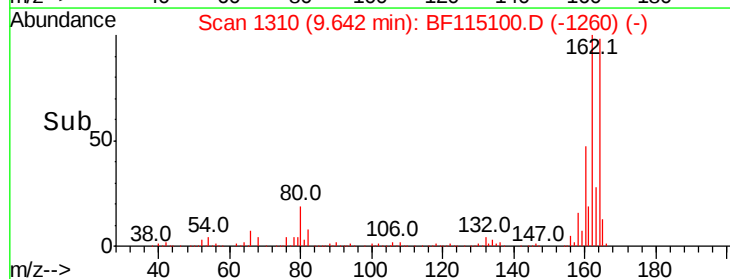
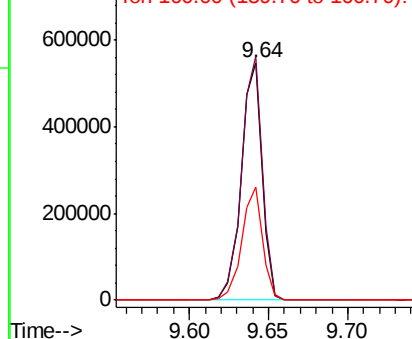
164 100

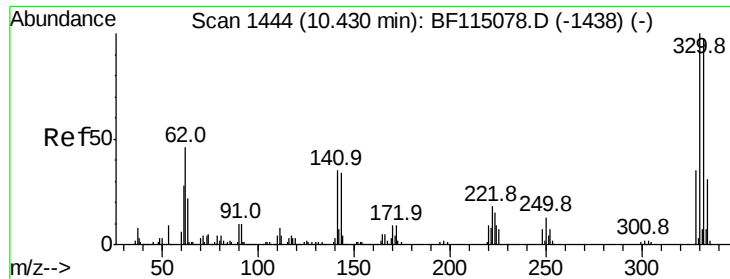
162 102.4 81.7 122.5

160 47.6 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

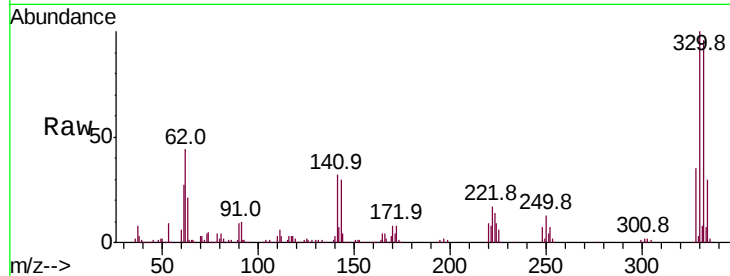




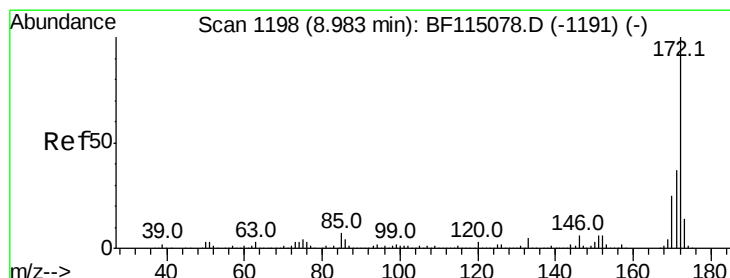
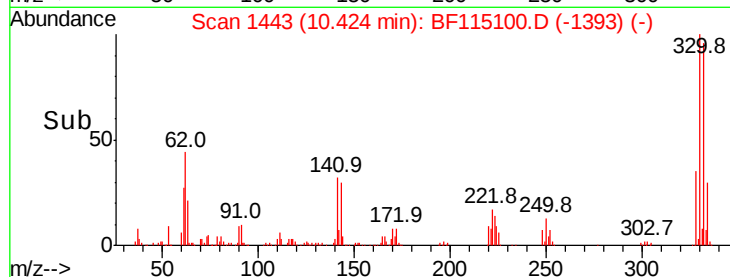
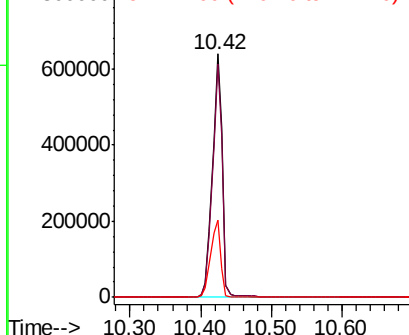
#42
 2,4,6-Tribromophenol
 Concen: 121.131 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115100.D
 Acq: 22 Jun 2019 1:24

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Tot Ion:330 Resp: 633772
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 32.4 28.2 42.2

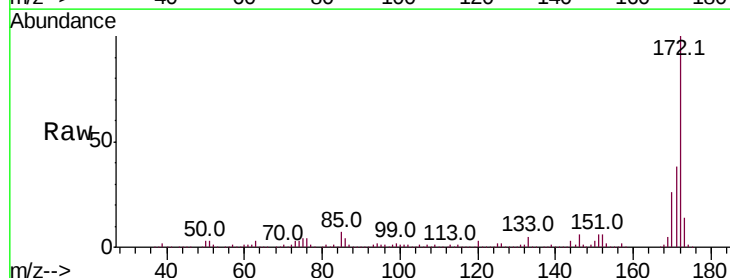


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

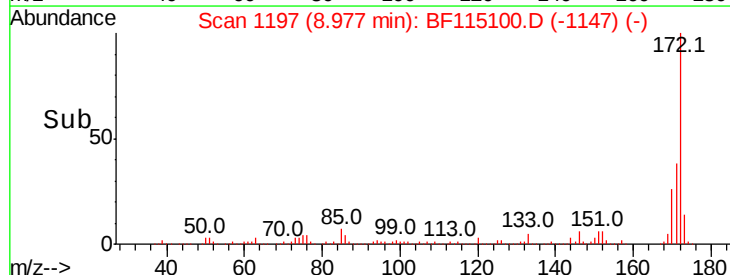
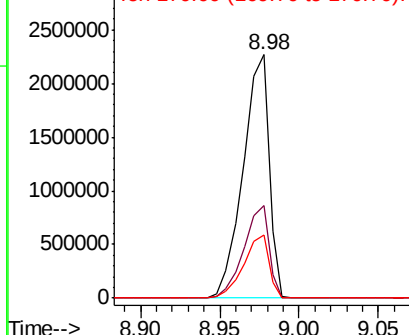


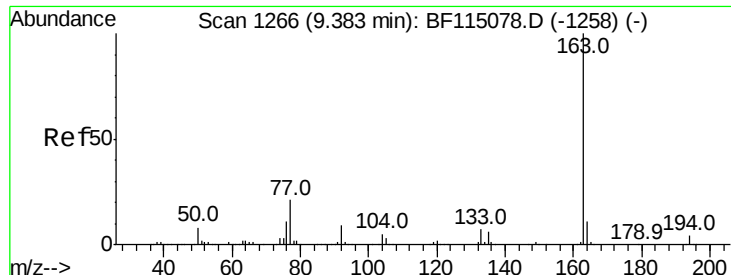
#45
 2-Fluorobiphenyl
 Concen: 88.379 ng
 RT: 8.98 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115100.D
 Acq: 22 Jun 2019 1:24

Tgt Ion:172 Resp: 2581484
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.8 44.6
 170 25.7 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: 3.899 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.26 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

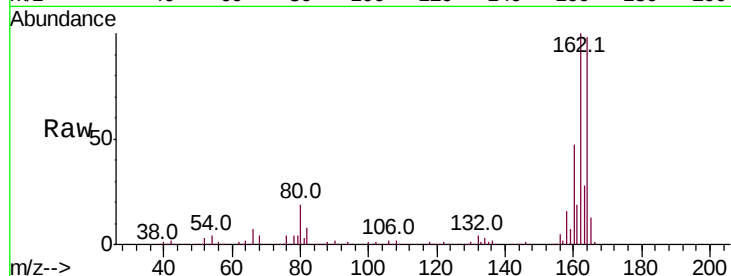
Tot Ion:163 Resp: 142336

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

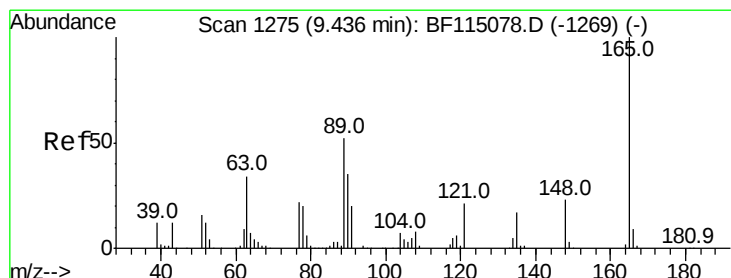
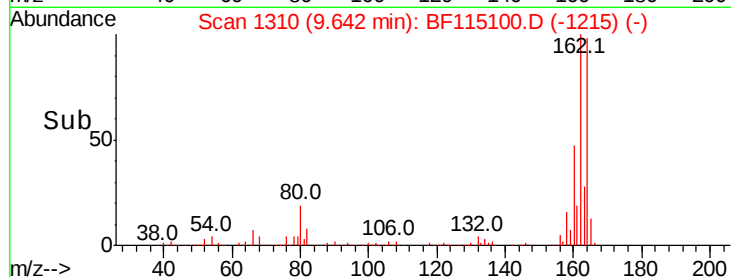
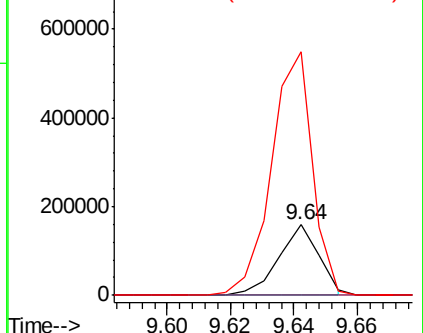
164 345.3 8.6 13.0#



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: 7.593 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

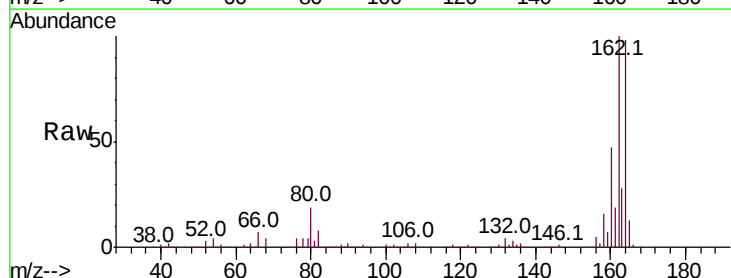
Tgt Ion:165 Resp: 63990

Ion Ratio Lower Upper

165 100

63 1.0 39.4 59.2#

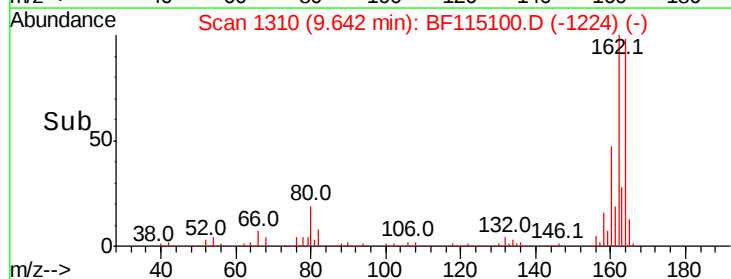
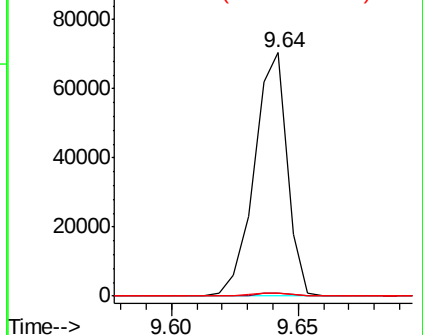
89 1.3 42.0 63.0#

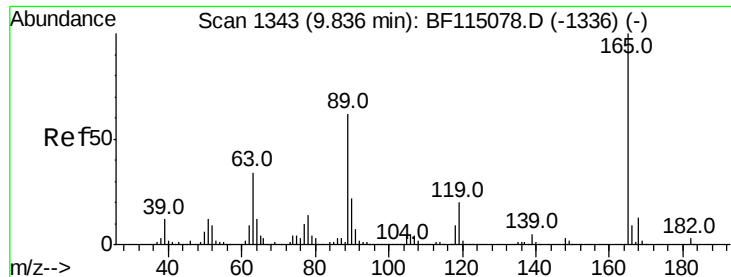


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

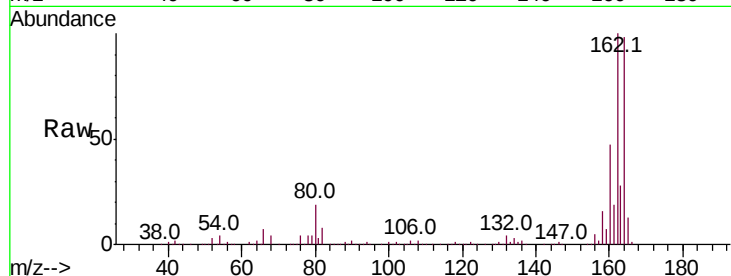




#57
2,4-Dinitrotoluene
Concen: 5.881 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF115100.D
Acq: 22 Jun 2019 1:24

Instrument :
BNA_F
ClientSampleId :
PB120777BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#



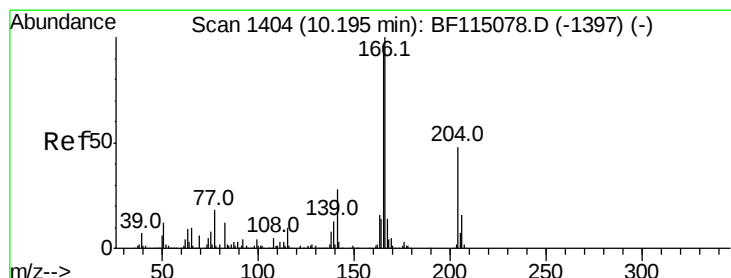
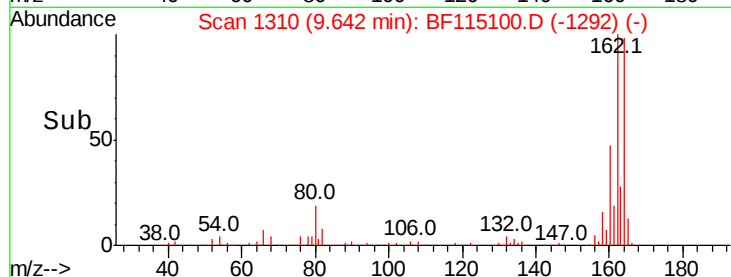
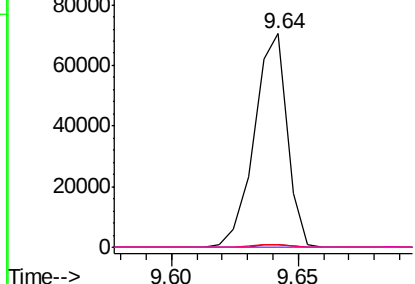
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

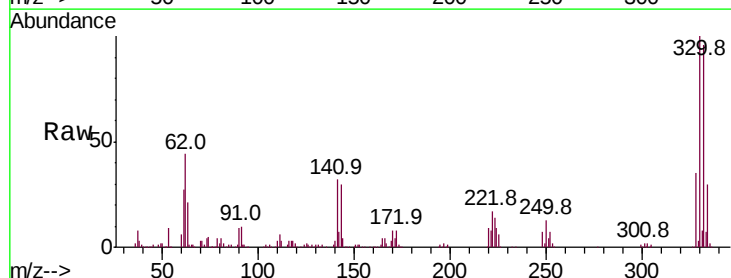
Ion 89.00 (88.70 to 89.70): BF1

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: BF115100.D
Acq: 22 Jun 2019 1:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	76.5	114.7
167	38.6	11.0	16.4#

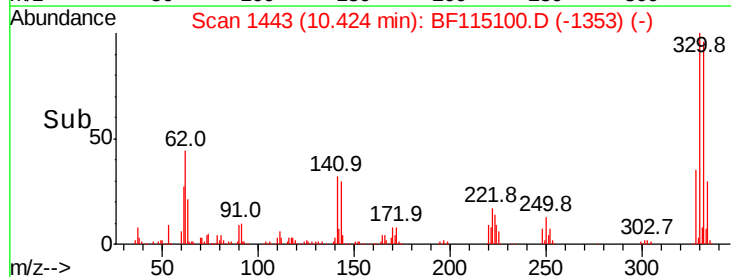
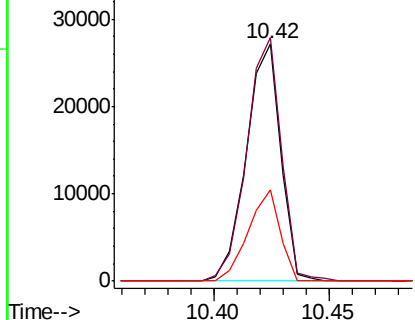


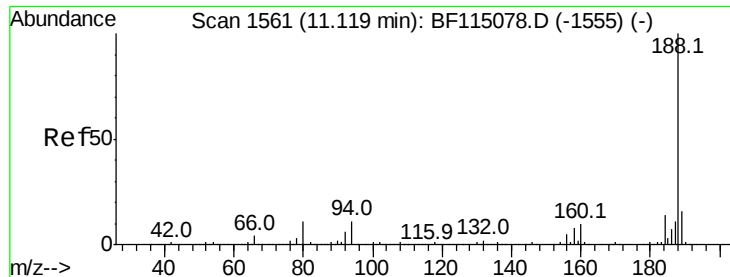
Abundance

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: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

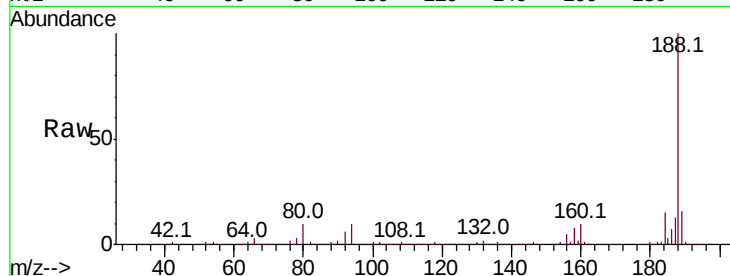
Tot Ion:188 Resp: 999964

Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

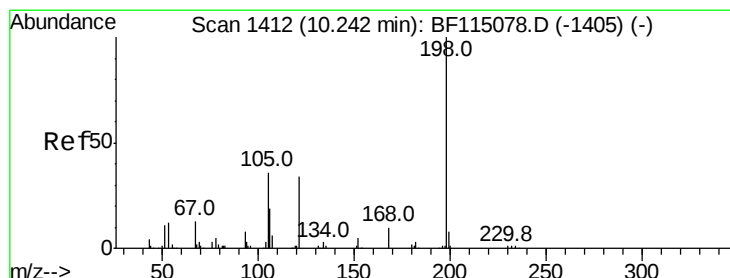
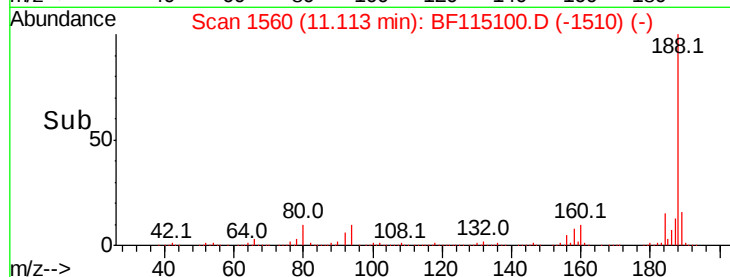
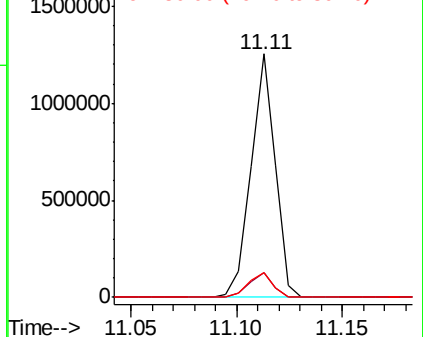
80 10.4 8.8 13.2



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: 5.207 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

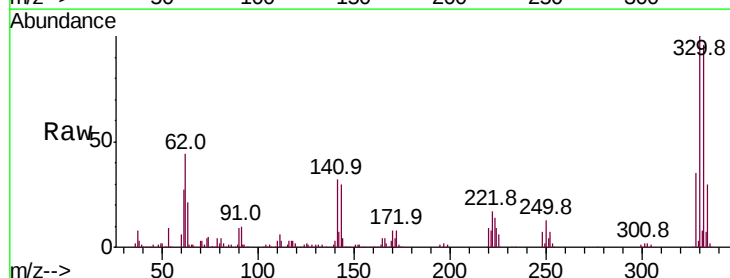
Tgt Ion:198 Resp: 1467

Ion Ratio Lower Upper

198 100

51 134.0 11.0 51.0#

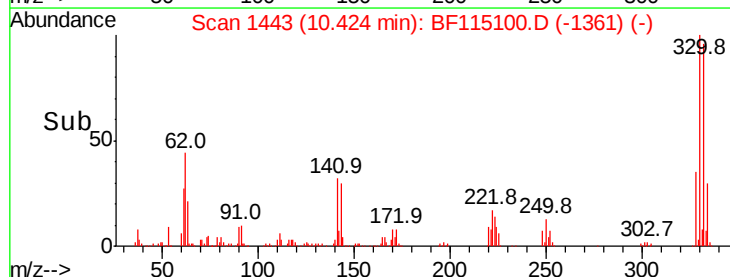
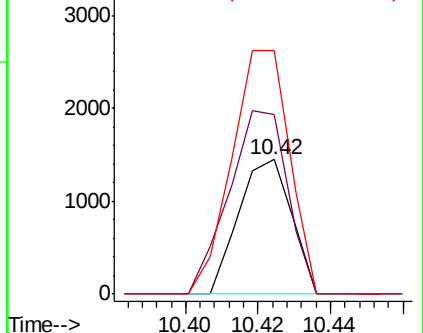
105 181.0 17.3 57.3#

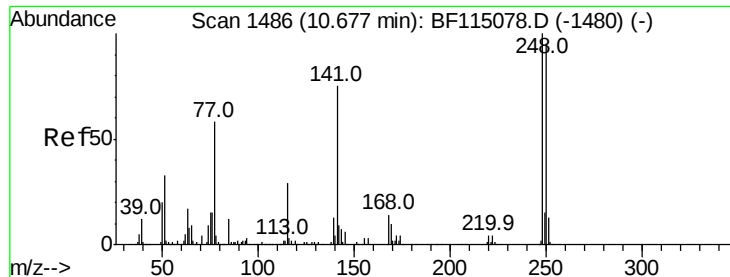


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.693 ng

RT: 10.42 min Scan# 1443

Delta R.T. -0.25 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

Instrument :

BNA_F

ClientSampleId :

PB120777BL

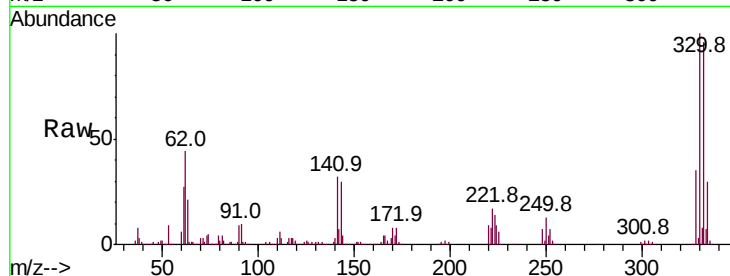
Tot Ion:248 Resp: 40034

Ion Ratio Lower Upper

248 100

250 196.7 76.2 114.2#

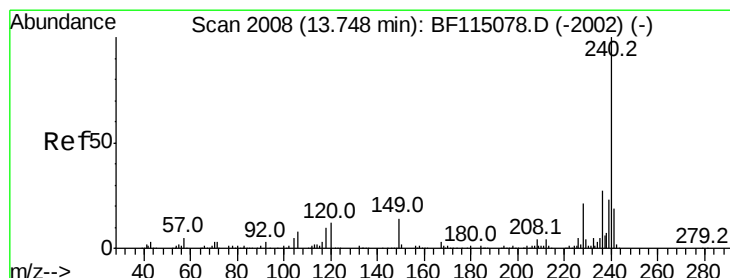
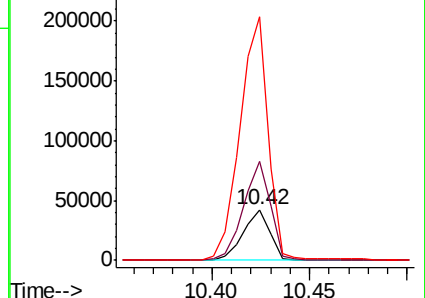
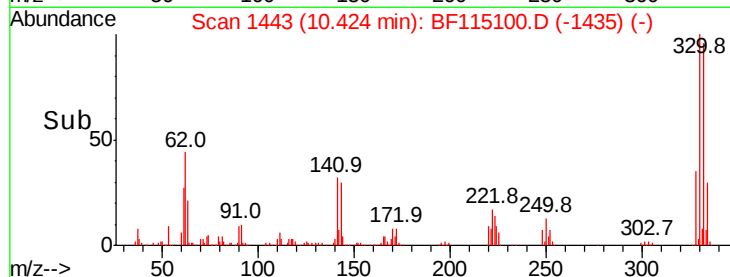
141 482.9 59.6 89.4#



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: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115100.D

Acq: 22 Jun 2019 1:24

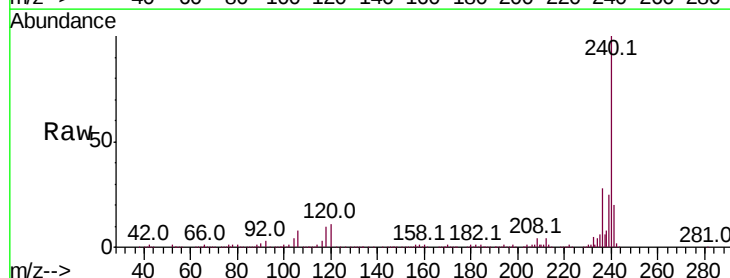
Tgt Ion:240 Resp: 790999

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

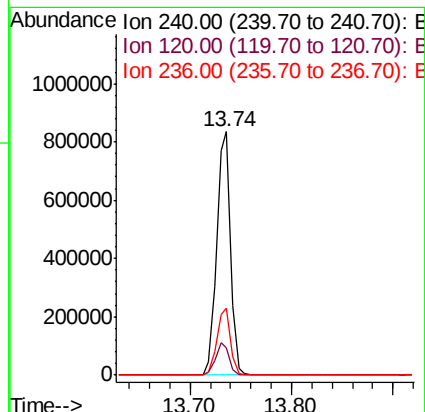
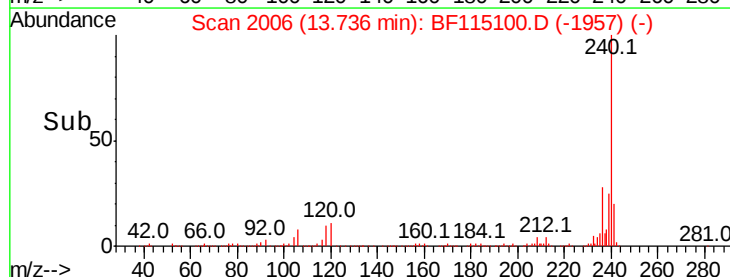
236 27.6 21.7 32.5

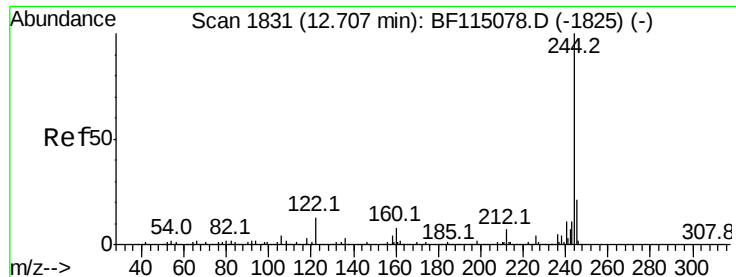


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



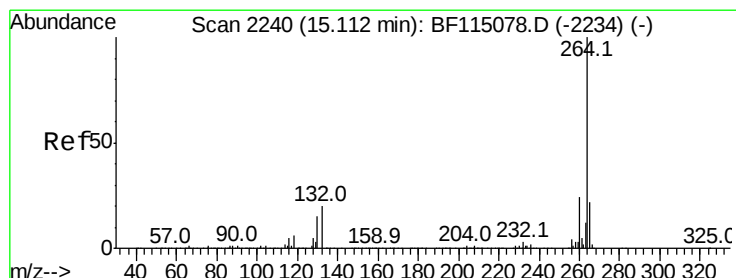
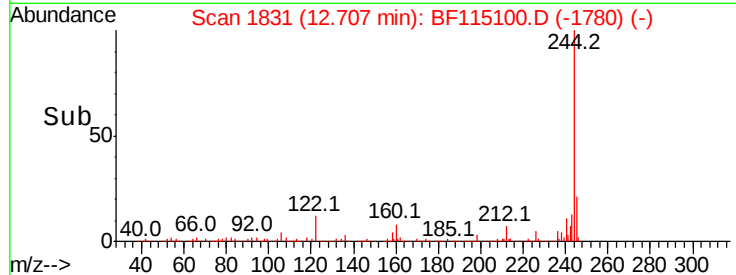
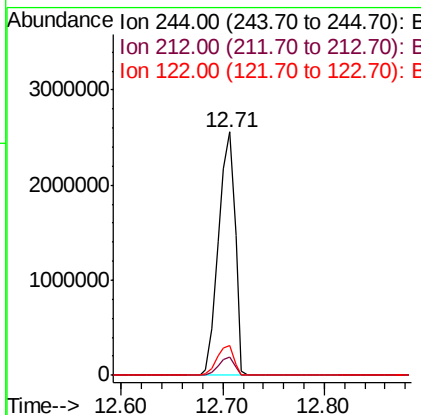
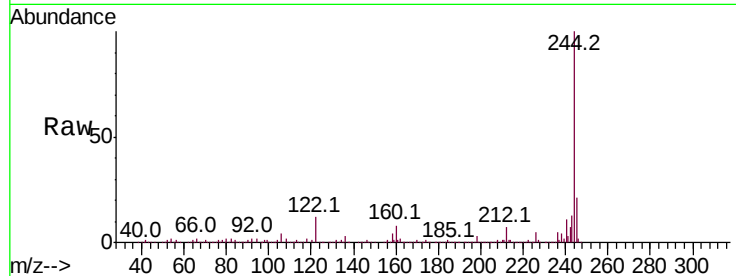


#79
 Terphenyl-d14
 Concen: 78.130 ng
 RT: 12.71 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF115100.D
 Acq: 22 Jun 2019 1:24

Instrument :
 BNA_F
 ClientSampleId :
 PB120777BL

Tot Ion:244 Resp: 2906699

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	12.0	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: BF115100.D
 Acq: 22 Jun 2019 1:24

Tgt Ion:264 Resp: 823276

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.1	17.3	25.9

