

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115095.D
 Acq On : 21 Jun 2019 23:11
 Operator : HP/JU
 Sample : PB120753BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 04:57:11 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	270362	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1034872	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	507043	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	1028357	20.00	ng	0.00
76) Chrysene-d12	13.74	240	833092	20.00	ng	-0.01
87) Perylene-d12	15.10	264	860784	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1724313	98.42	ng	0.01
7) Phenol-d6	6.25	99	2118500	99.62	ng	0.00
23) Nitrobenzene-d5	7.17	82	1314126	78.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	599074	112.04	ng	0.00
45) 2-Fluorobiphenyl	8.98	172	2411743	80.79	ng	0.00
79) Terphenyl-d14	12.71	244	2788838	71.17	ng	0.00

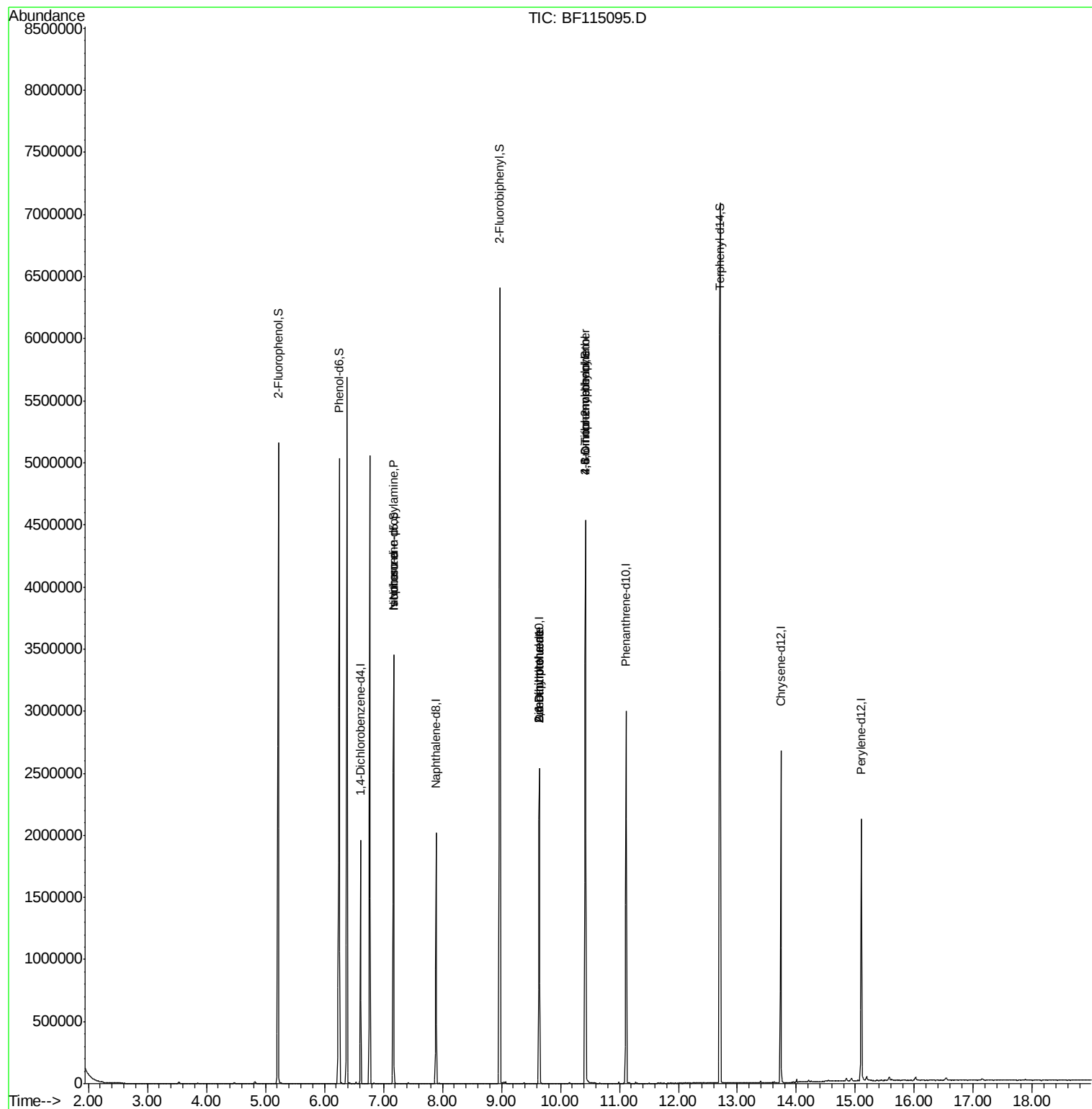
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	174092	12.788	ng	# 78
25) Isophorone	7.17	82	1243209	36.074	ng	# 63
50) Dimethylphthalate	9.64	163	144693	3.879	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	65293	7.581	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	65293	5.871	ng	# 30
58) Fluorene	10.42	166	26812	Below Cal		# 88
65) 4,6-Dinitro-2-methylphenol	10.42	198	1373	5.185	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	37382	3.353	ng	# 1

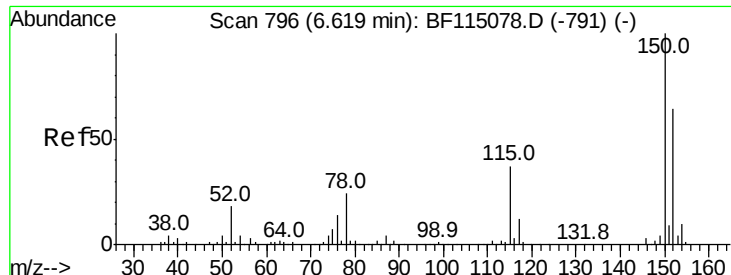
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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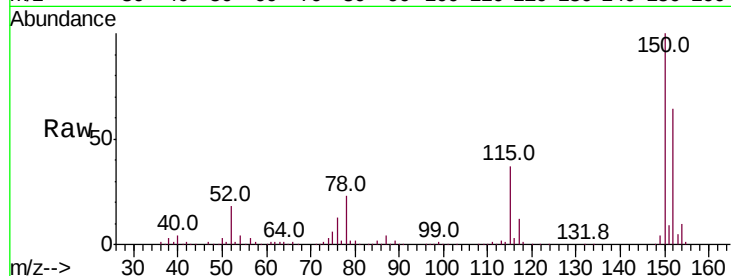


#1

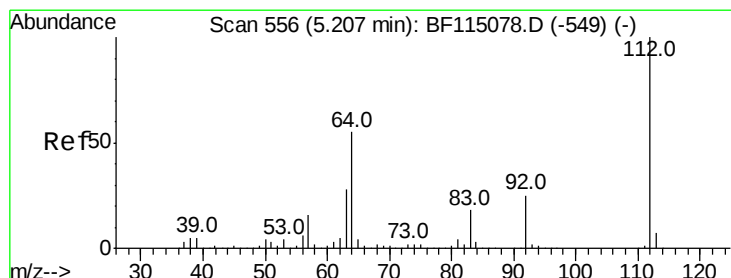
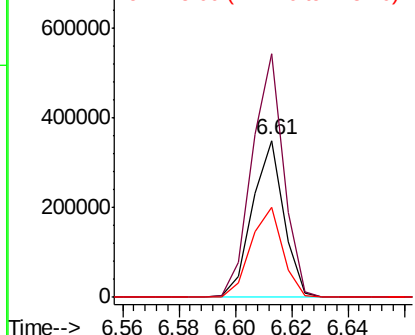
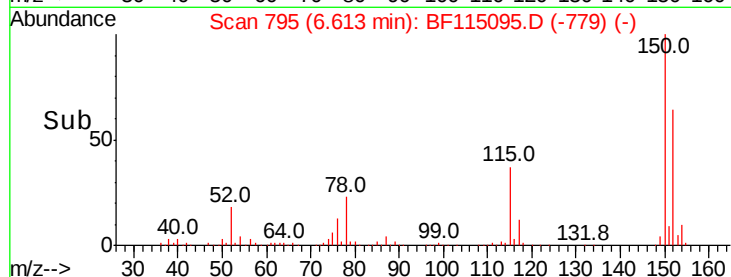
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115095.D
Acq: 21 Jun 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 270362
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 57.3 46.1 69.1



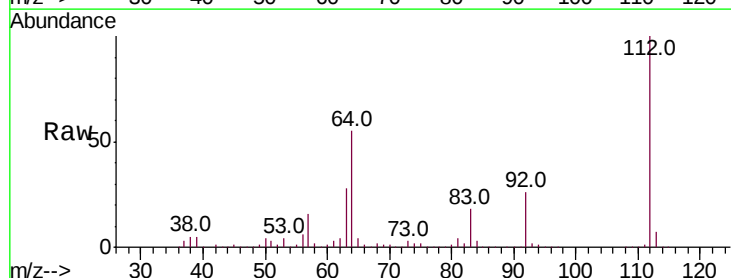
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



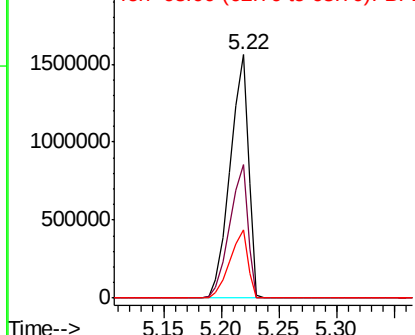
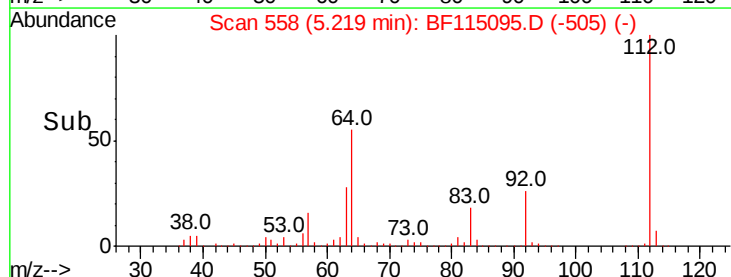
#5

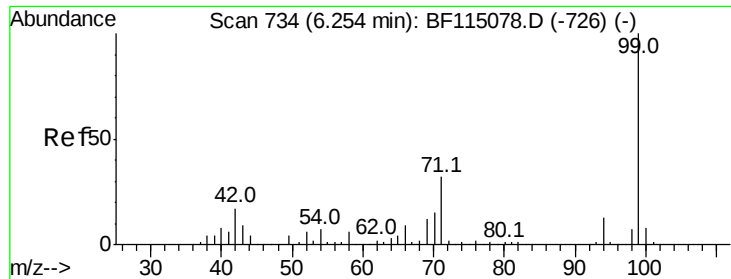
2-Fluorophenol
Concen: 98.420 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115095.D
Acq: 21 Jun 2019 23:11

Tgt Ion:112 Resp: 1724313
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.6
63 28.3 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: 99.624 ng

RT: 6.25 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampled :

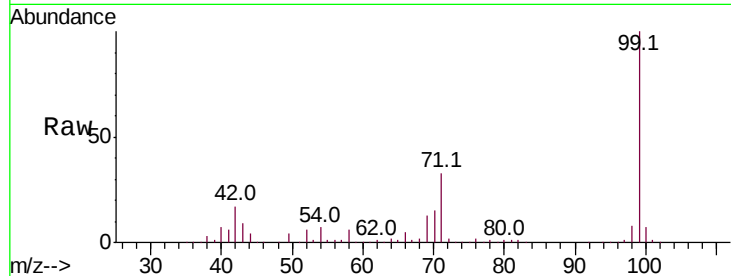
Tot Ion: 99 Resp: 2118500

Ion Ratio Lower Upper

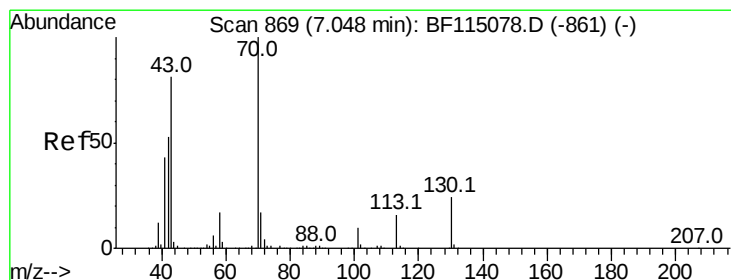
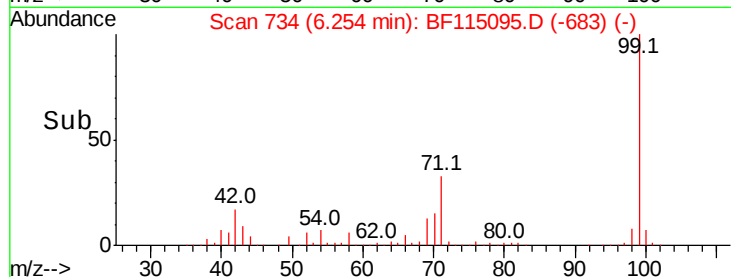
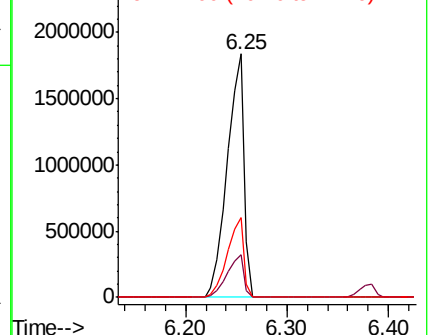
99 100

42 17.3 13.6 20.4

71 32.9 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: 12.788 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Tgt Ion: 70 Resp: 174092

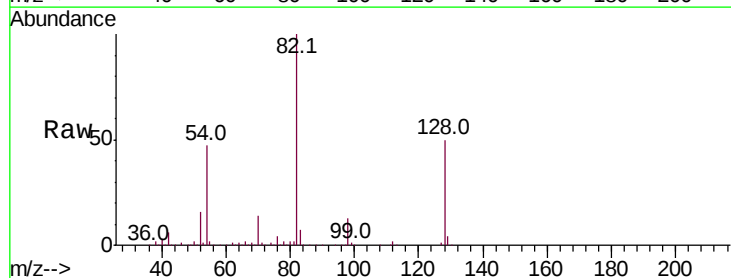
Ion Ratio Lower Upper

70 100

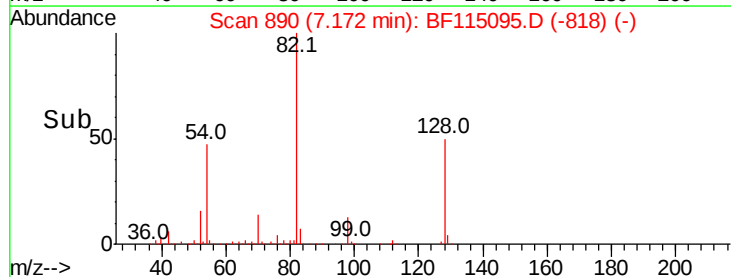
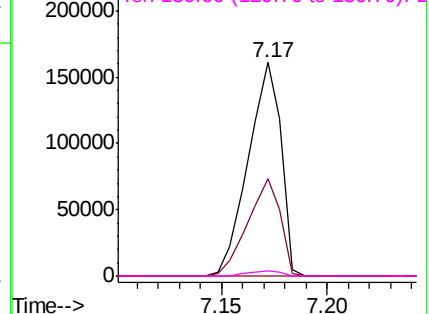
42 45.7 42.6 63.8

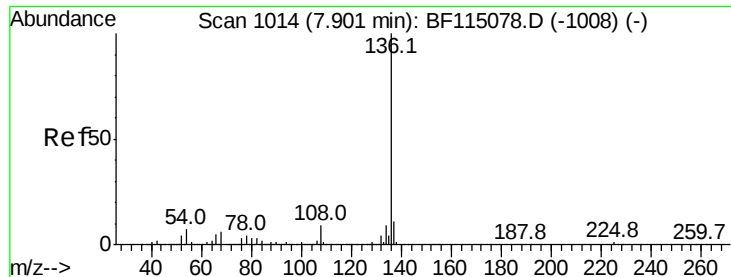
101 0.0 8.0 12.0#

130 2.5 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: 7.90 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1034872

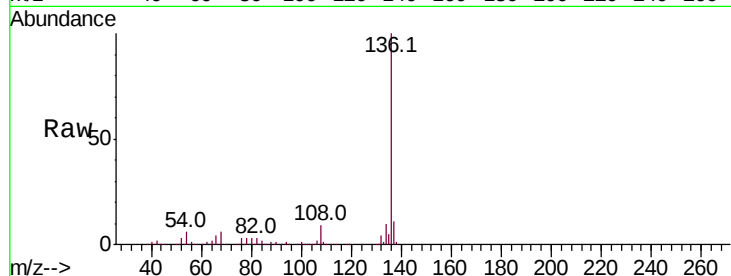
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 5.6 8.4

68 5.6 4.8 7.2

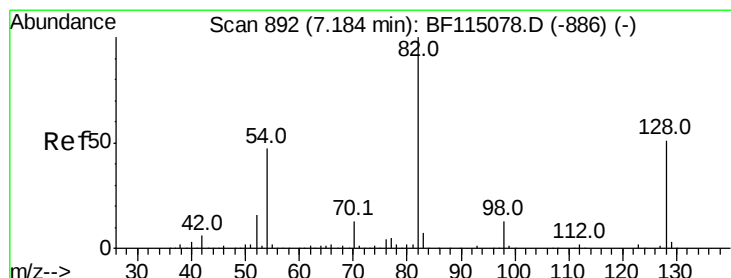
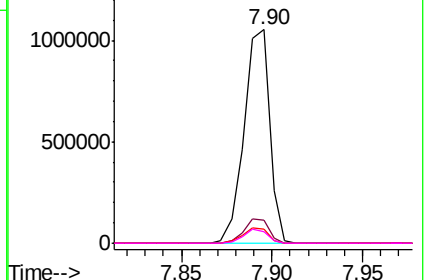
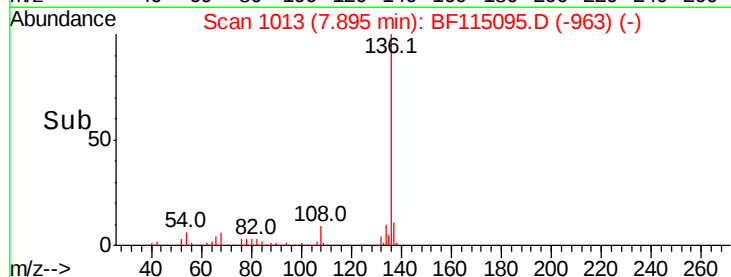


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.115 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

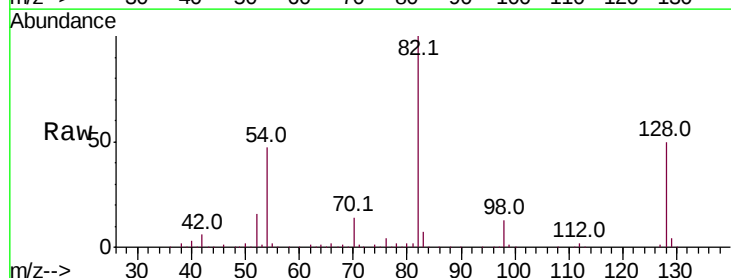
Tgt Ion: 82 Resp: 1314126

Ion Ratio Lower Upper

82 100

128 49.8 40.4 60.6

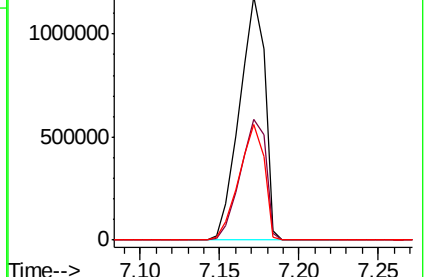
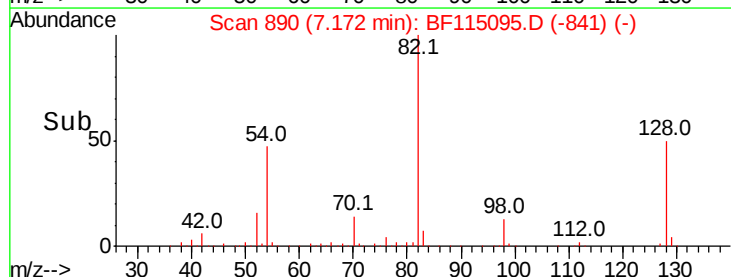
54 47.5 37.5 56.3

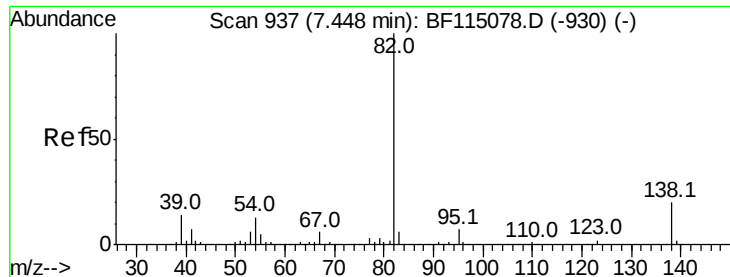


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.074 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

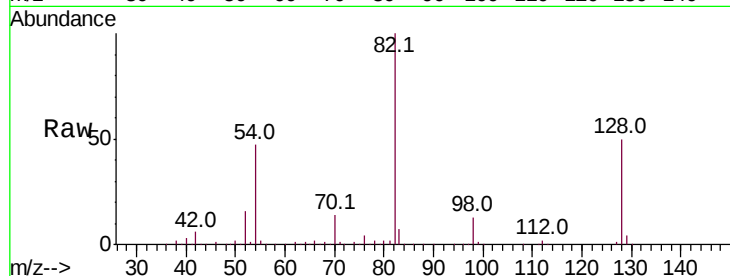
Tot Ion: 82 Resp: 1243209

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

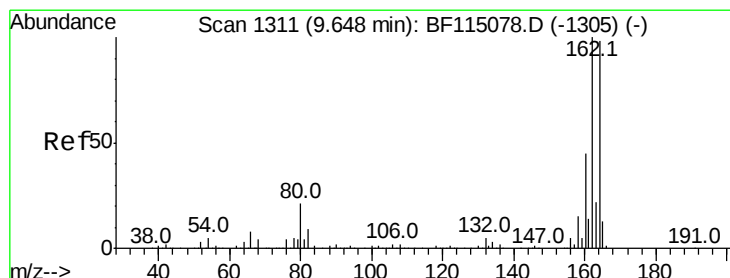
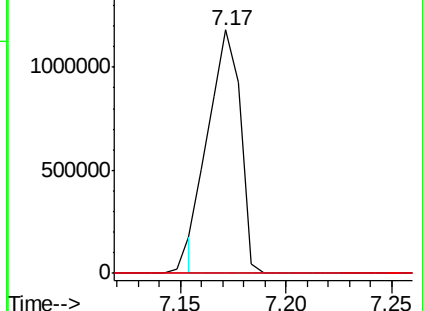
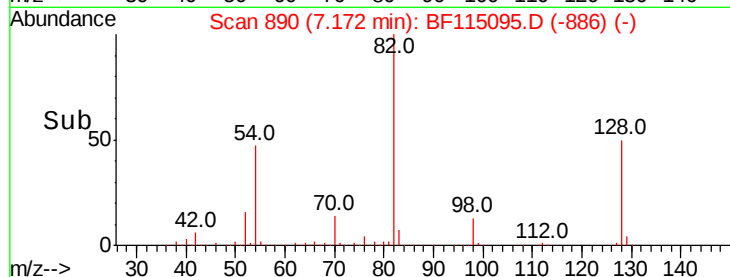
138 0.0 15.9 23.9#



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: BF115095.D

Acq: 21 Jun 2019 23:11

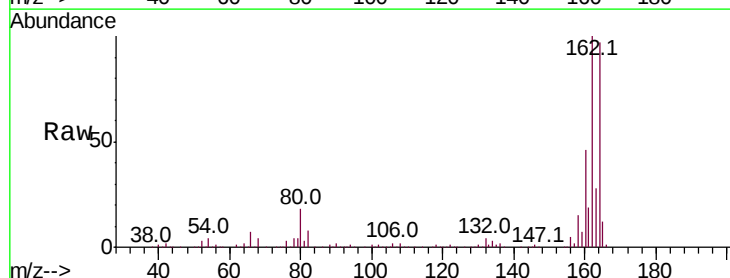
Tgt Ion:164 Resp: 507043

Ion Ratio Lower Upper

164 100

162 102.7 81.7 122.5

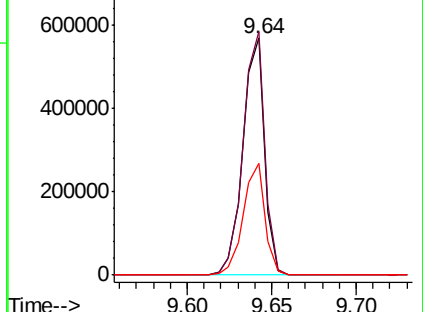
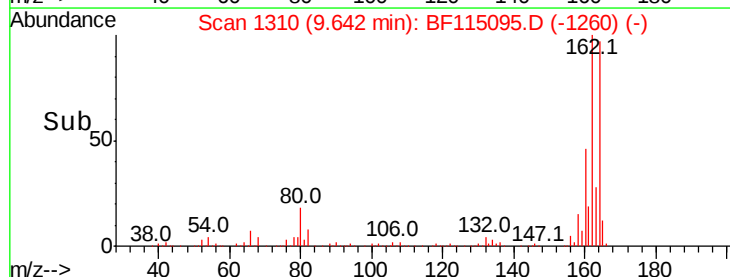
160 47.1 37.0 55.4

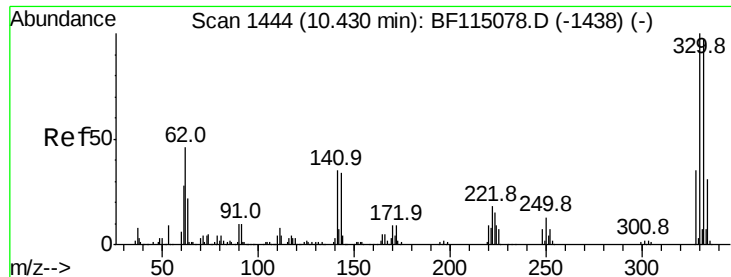


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

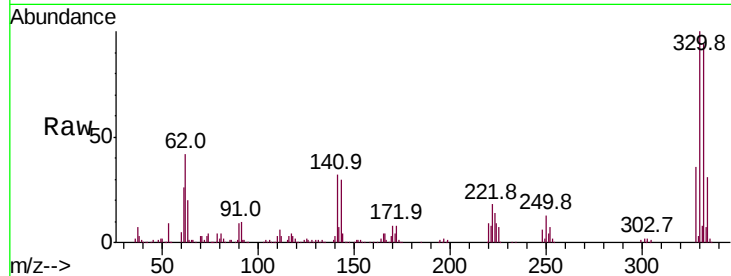




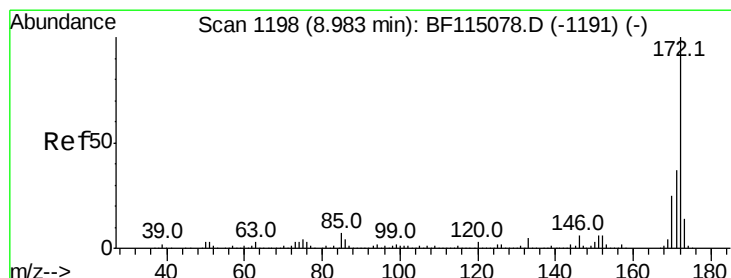
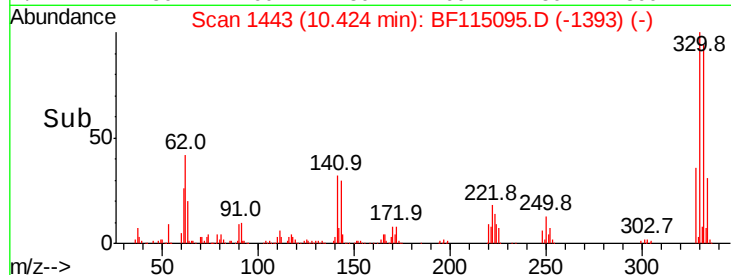
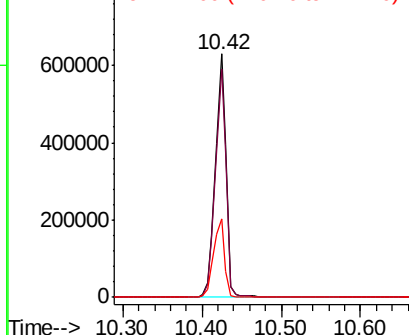
#42
 2,4,6-Tribromophenol
 Concen: 112.040 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115095.D
 Acq: 21 Jun 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 599074
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.3 115.9
 141 32.9 28.2 42.2

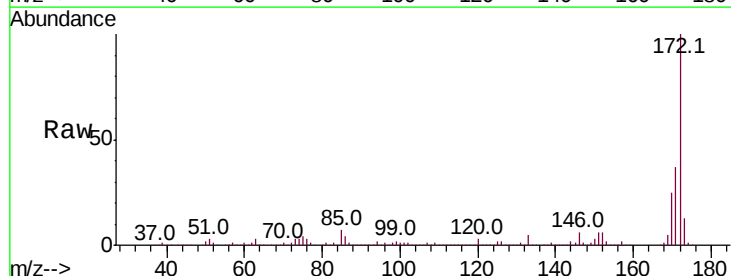


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

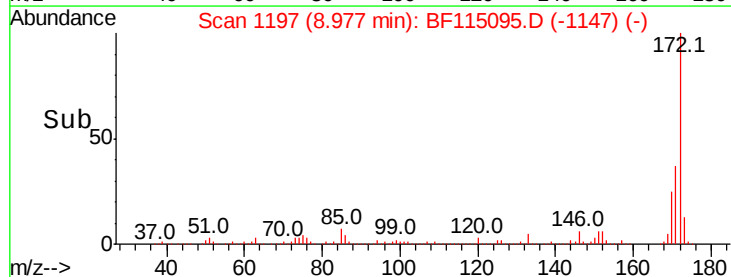
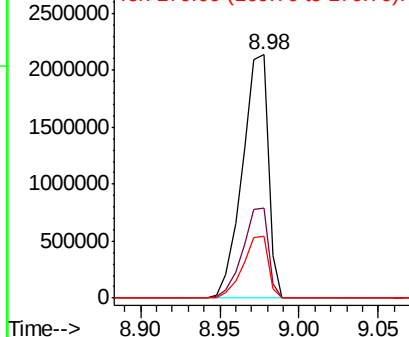


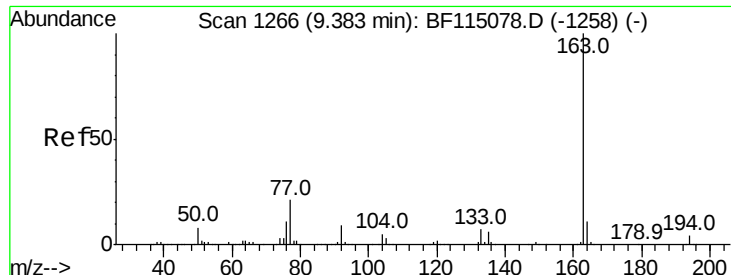
#45
 2-Fluorobiphenyl
 Concen: 80.795 ng
 RT: 8.98 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115095.D
 Acq: 21 Jun 2019 23:11

Tgt Ion:172 Resp: 2411743
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 25.5 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: 3.879 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.26 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

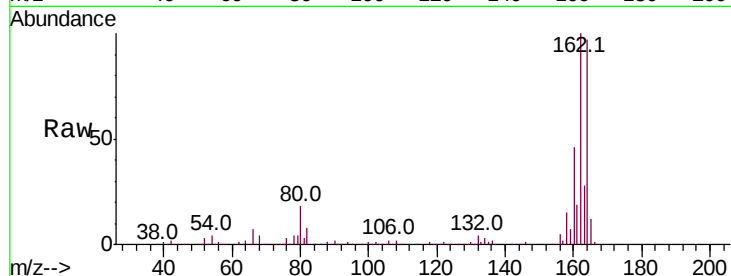
Tot Ion:163 Resp: 144693

Ion Ratio Lower Upper

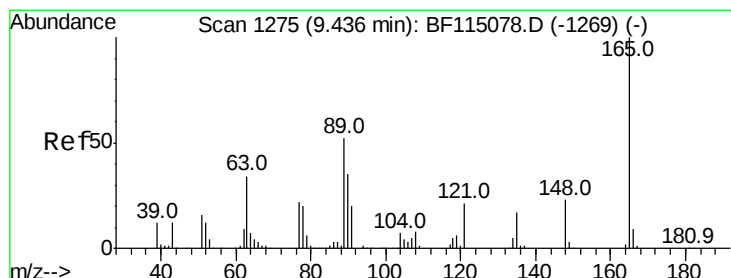
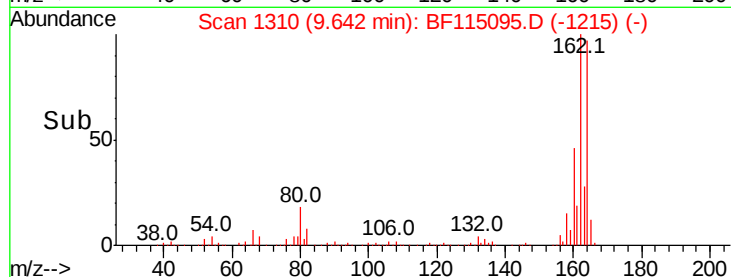
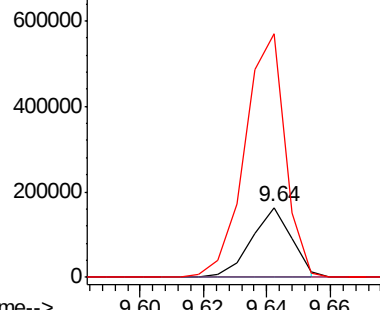
163 100

194 0.0 3.2 4.8#

164 347.5 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: 7.581 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

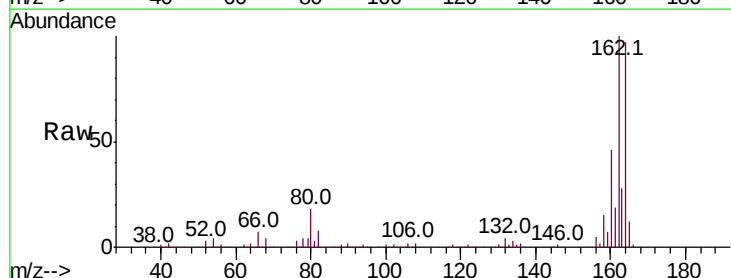
Tgt Ion:165 Resp: 65293

Ion Ratio Lower Upper

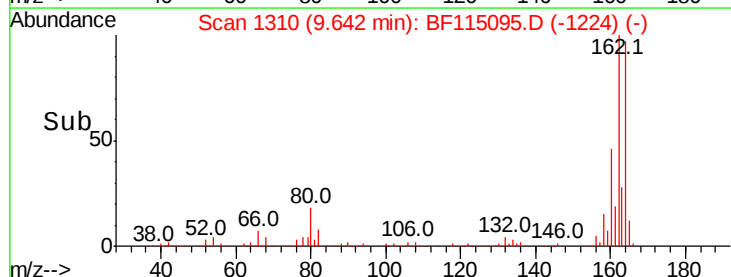
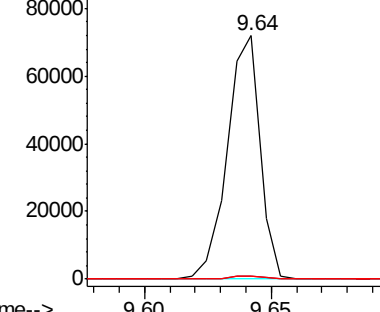
165 100

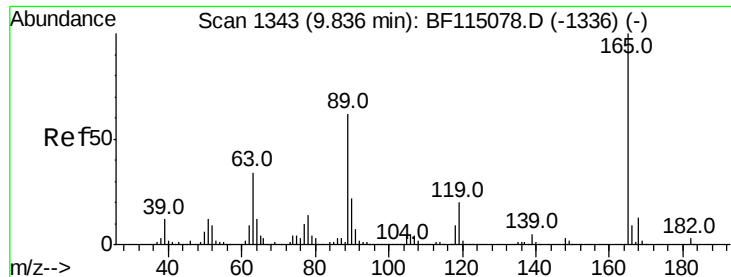
63 1.2 39.4 59.2#

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

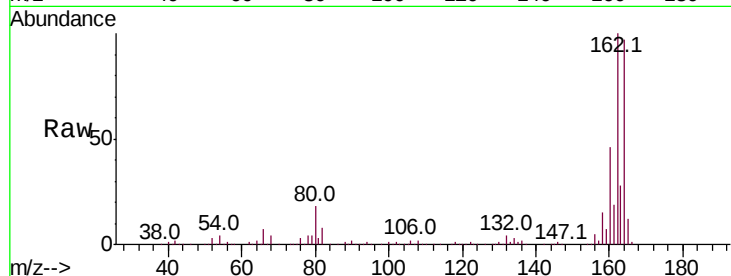




#57
2,4-Dinitrotoluene
Concen: 5.871 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF115095.D
Acq: 21 Jun 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#



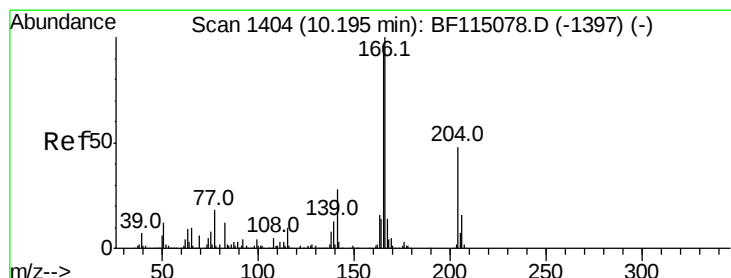
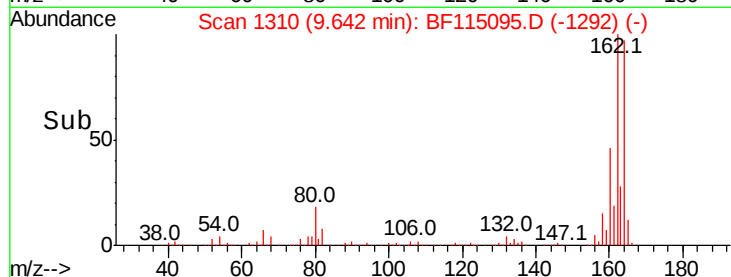
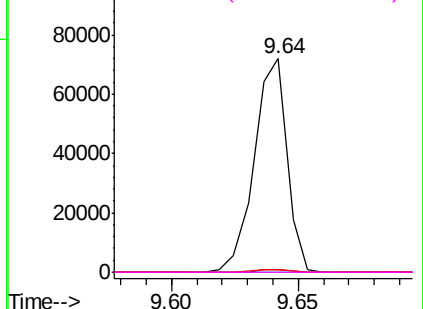
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

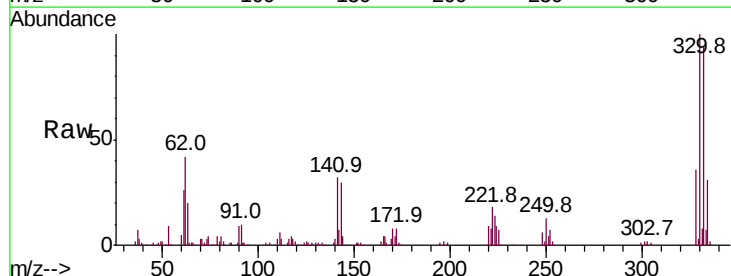
Ion 89.00 (88.70 to 89.70): BF1

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: BF115095.D
Acq: 21 Jun 2019 23:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	76.5	114.7
167	32.8	11.0	16.4#

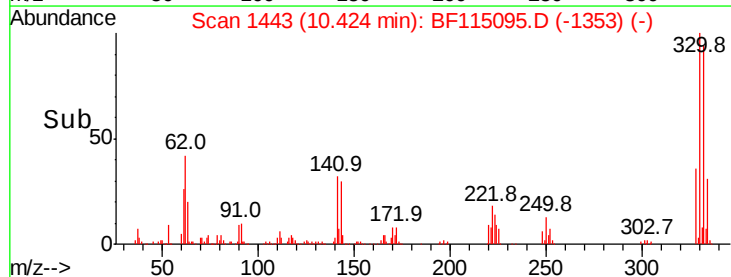
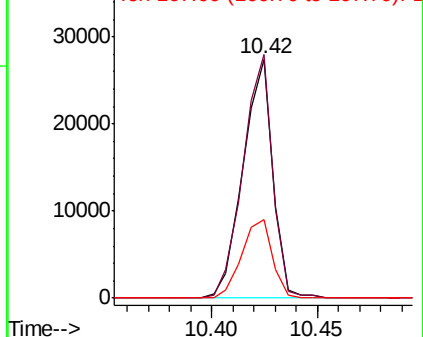


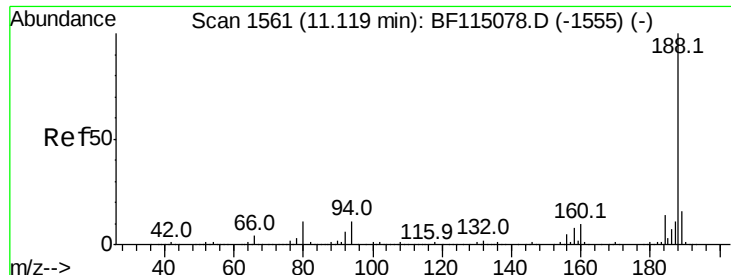
Abundance

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: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

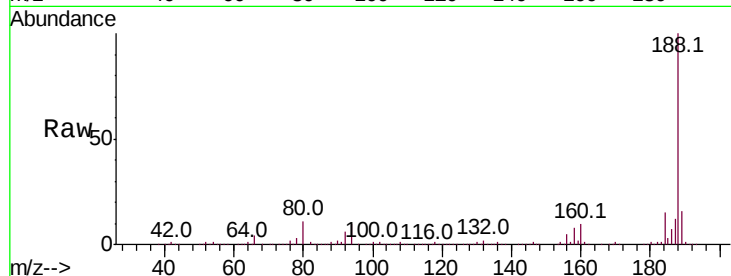
Tot Ion:188 Resp: 1028357

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

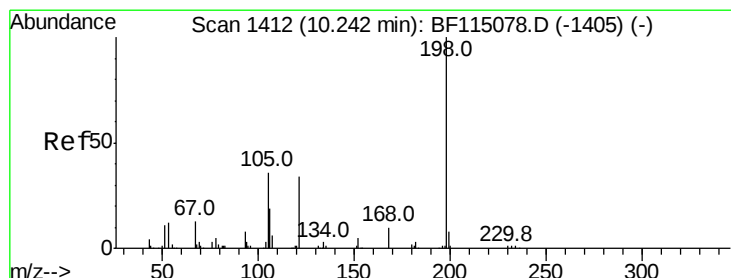
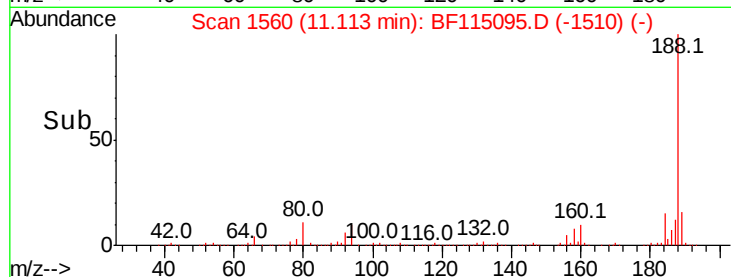
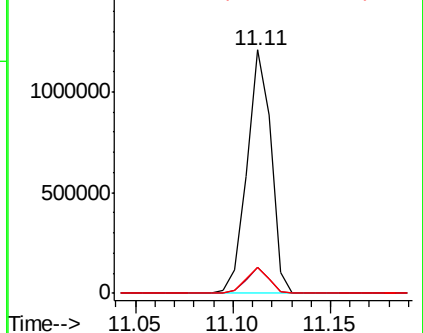
80 10.7 8.8 13.2



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: 5.185 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.18 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

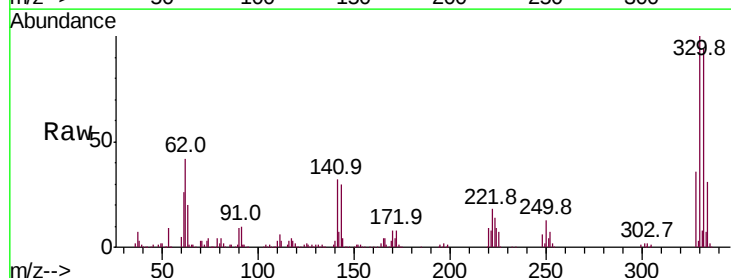
Tgt Ion:198 Resp: 1373

Ion Ratio Lower Upper

198 100

51 142.0 11.0 51.0#

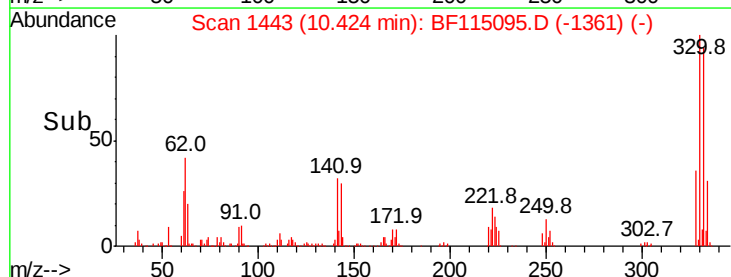
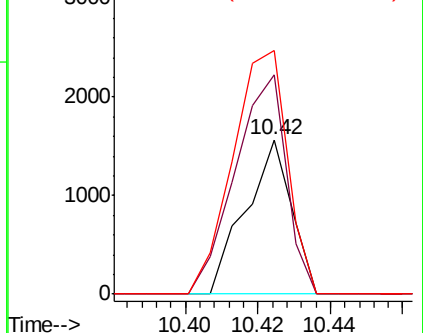
105 157.8 17.3 57.3#

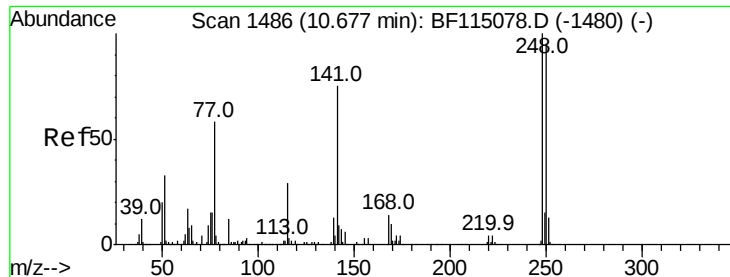


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.353 ng

RT: 10.42 min Scan# 1443

Delta R.T. -0.25 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

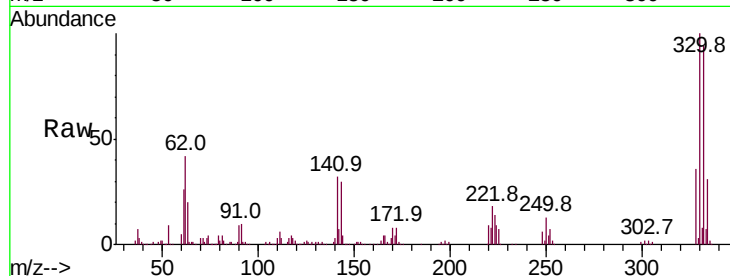
Tot Ion:248 Resp: 37382

Ion Ratio Lower Upper

248 100

250 200.3 76.2 114.2#

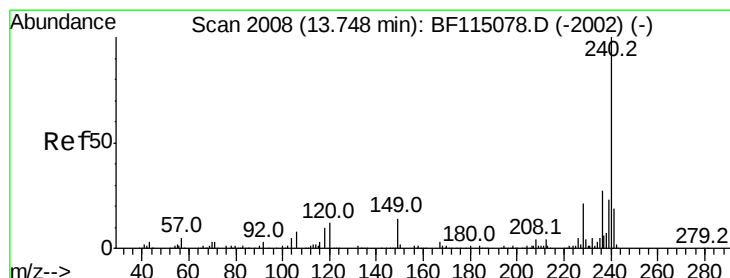
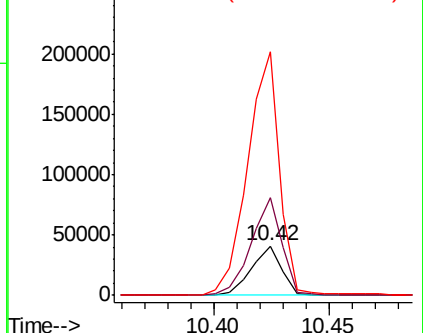
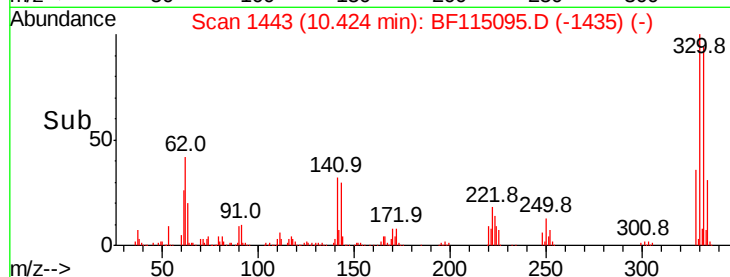
141 496.3 59.6 89.4#



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: BF115095.D

Acq: 21 Jun 2019 23:11

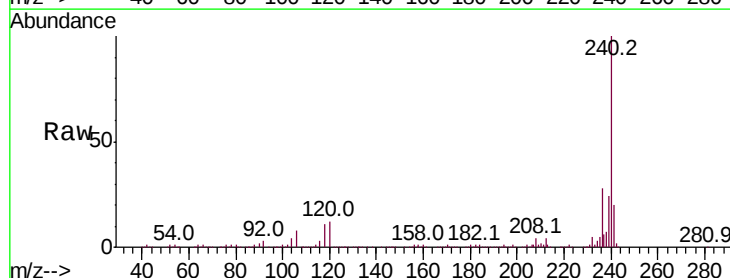
Tgt Ion:240 Resp: 833092

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

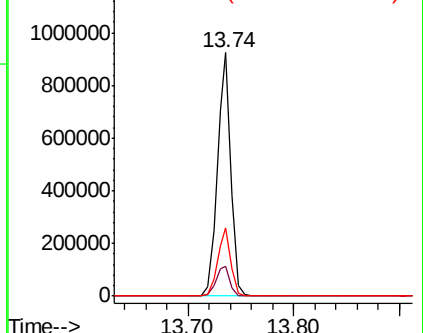
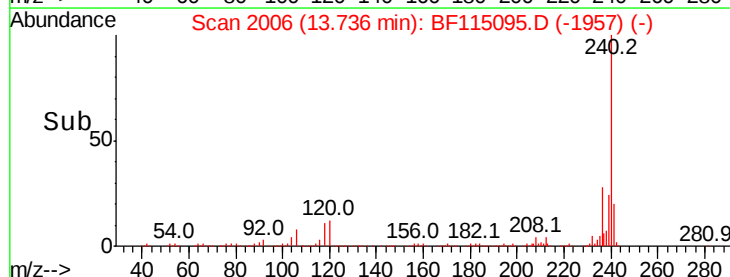
236 28.1 21.7 32.5

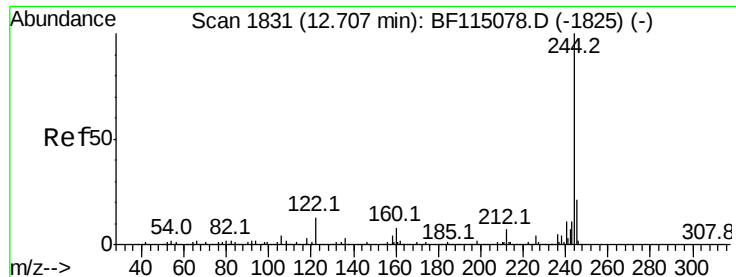


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.175 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

Instrument :

BNA_F

ClientSampleId :

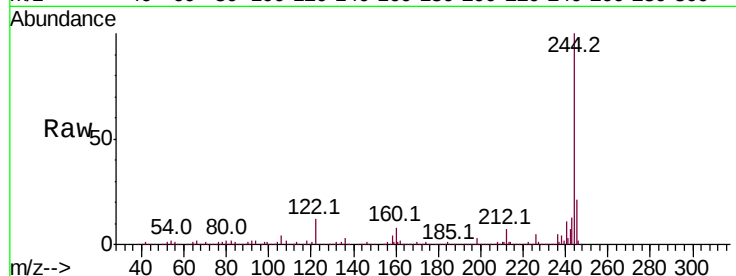
Tot Ion:244 Resp: 2788838

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

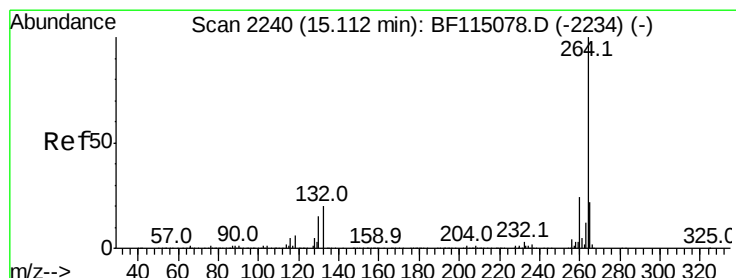
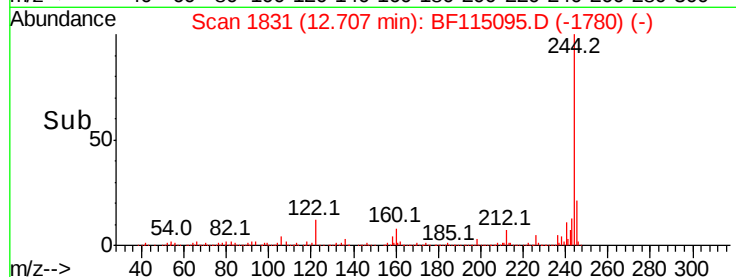
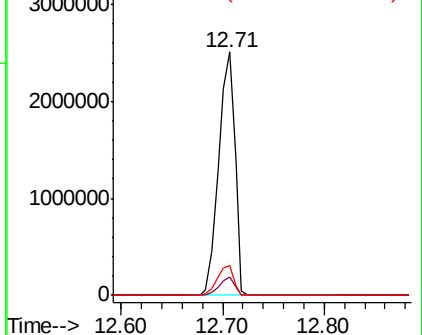
122 12.1 10.4 15.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.10 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF115095.D

Acq: 21 Jun 2019 23:11

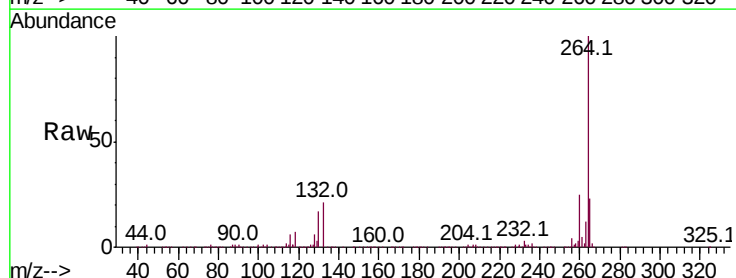
Tgt Ion:264 Resp: 860784

Ion Ratio Lower Upper

264 100

260 24.9 19.6 29.4

265 22.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

