

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
 Data File : BF115103.D
 Acq On : 22 Jun 2019 2:43
 Operator : HP/JU
 Sample : PB120818TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 05:00:01 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

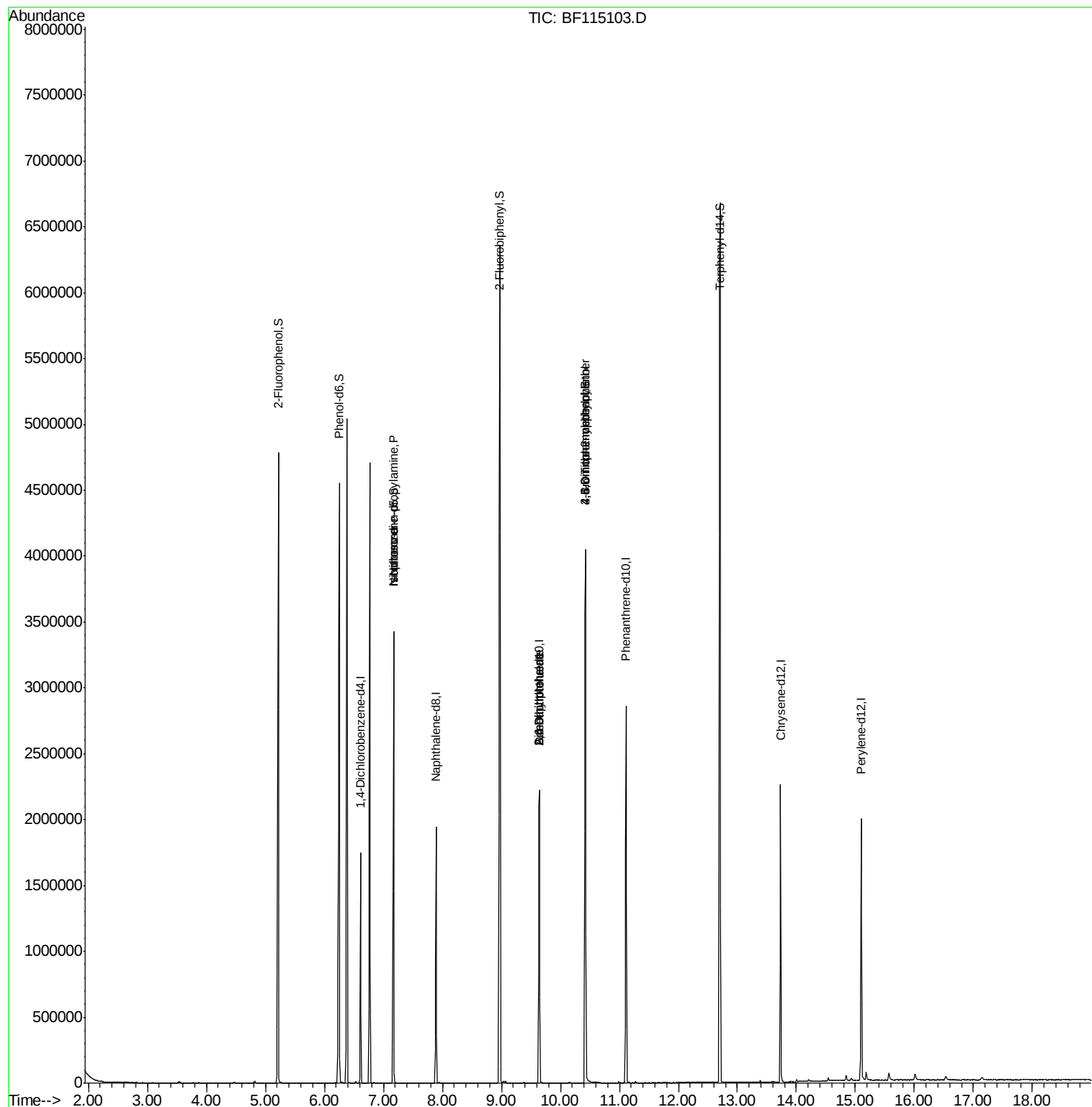
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	254751	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	966528	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	476733	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	947523	20.00	ng	0.00
76) Chrysene-d12	13.73	240	759007	20.00	ng	-0.02
87) Perylene-d12	15.10	264	768539	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1624877	98.43	ng	0.01
7) Phenol-d6	6.25	99	2038473	101.74	ng	0.00
23) Nitrobenzene-d5	7.17	82	1211670	77.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	550874	109.58	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2311807	82.37	ng	-0.01
79) Terphenyl-d14	12.71	244	2595619	72.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	161220	12.568	ng	# 78
25) Isophorone	7.17	82	1202451	37.359	ng	# 63
50) Dimethylphthalate	9.64	163	137807	3.929	ng	# 1
51) 2,6-Dinitrotoluene	9.64	165	61234	7.562	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	61234	5.857	ng	# 30
58) Fluorene	10.42	166	25398	Below Cal		# 84
65) 4,6-Dinitro-2-methylphenol	10.42	198	951	5.129	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	34456	3.354	ng	# 1

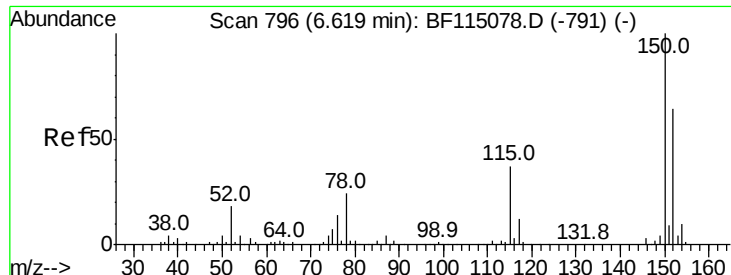
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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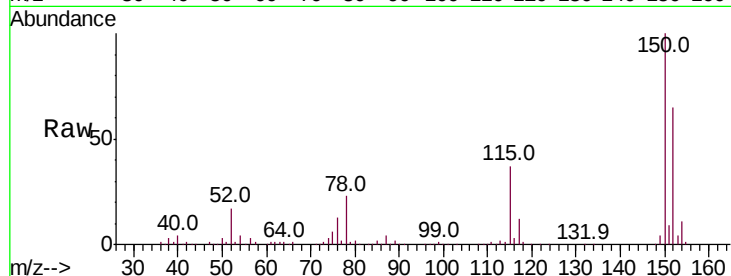


#1

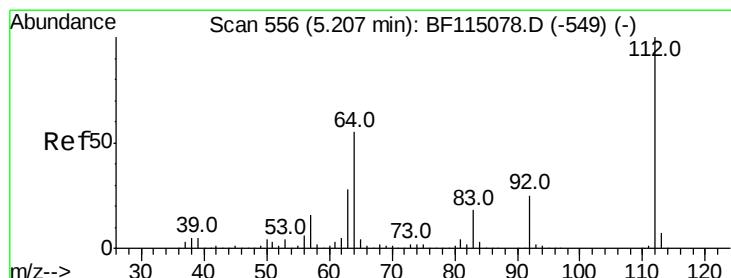
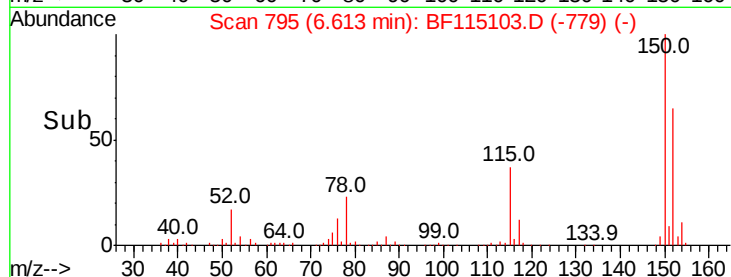
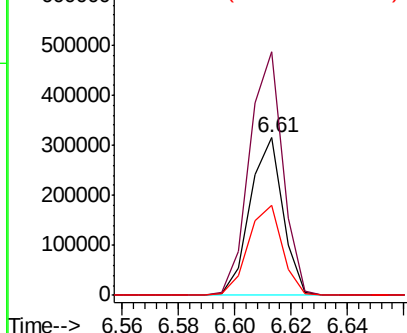
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 254751
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 57.2 46.1 69.1



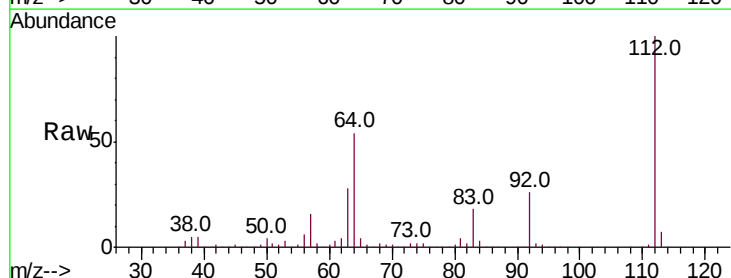
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



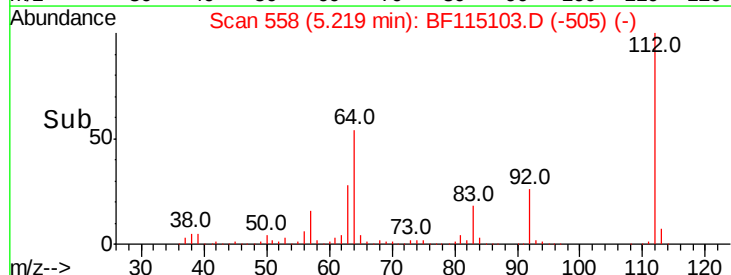
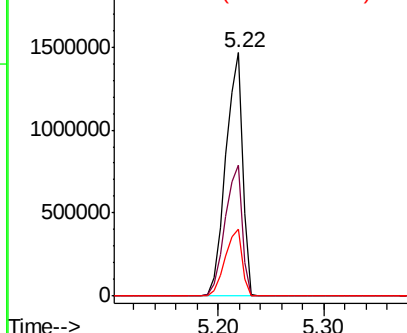
#5

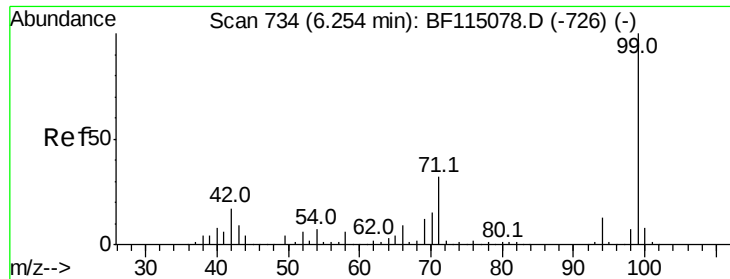
2-Fluorophenol
Concen: 98.428 ng
RT: 5.22 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Tgt Ion:112 Resp: 1624877
Ion Ratio Lower Upper
112 100
64 53.8 43.8 65.6
63 27.6 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: 101.735 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

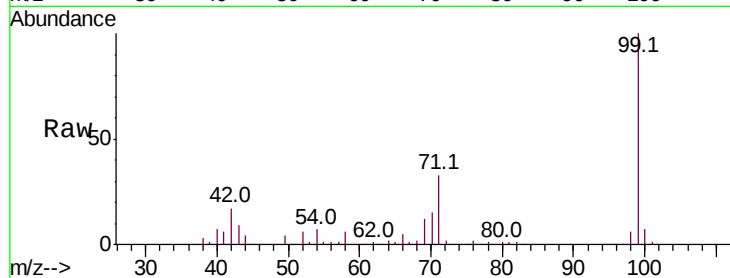
Tot Ion: 99 Resp: 2038473

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

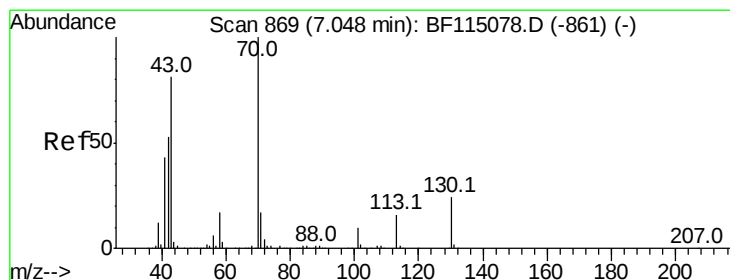
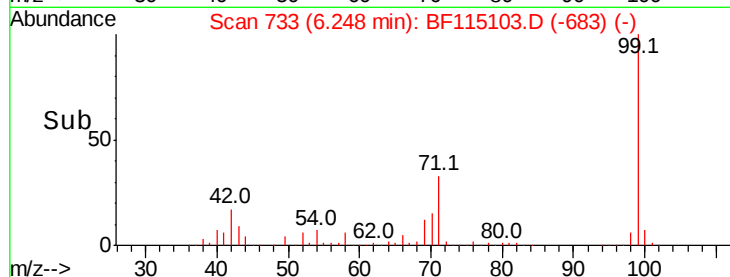
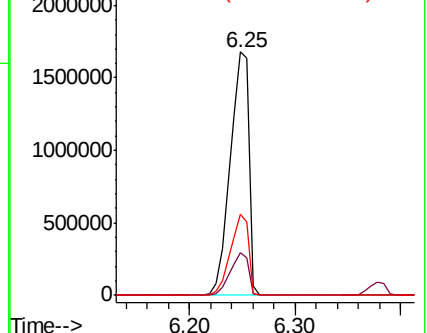
71 33.1 25.5 38.3



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: 12.568 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Tgt Ion: 70 Resp: 161220

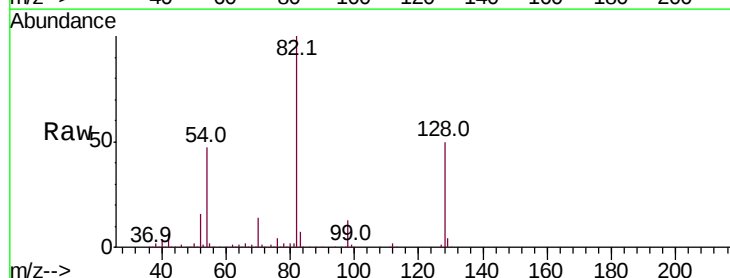
Ion Ratio Lower Upper

70 100

42 44.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

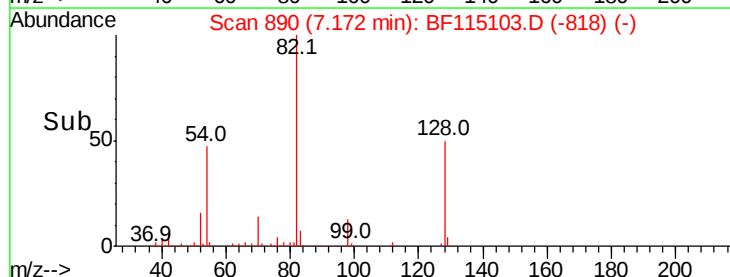
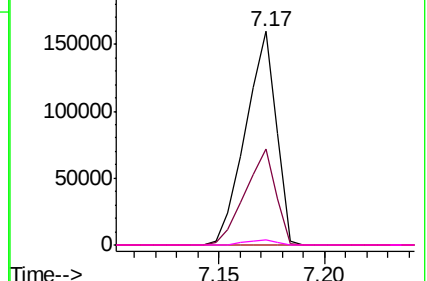


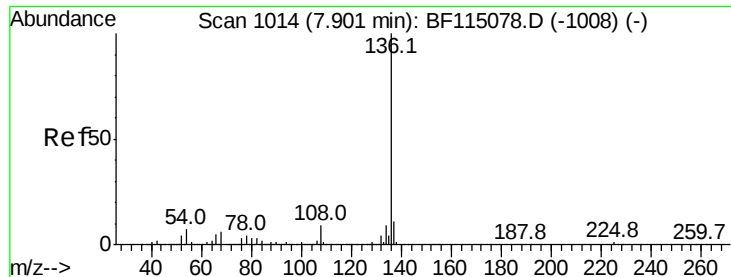
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 966528

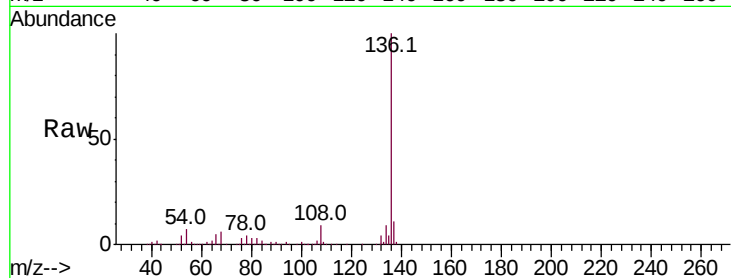
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.4 5.6 8.4

68 6.3 4.8 7.2

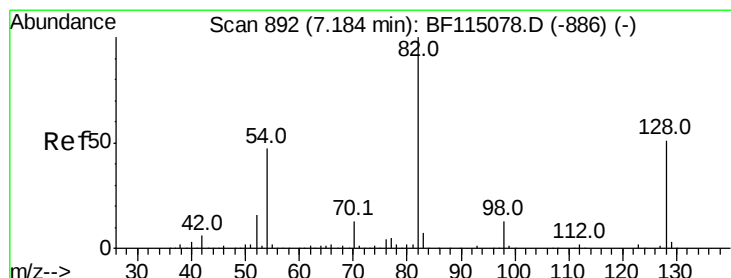
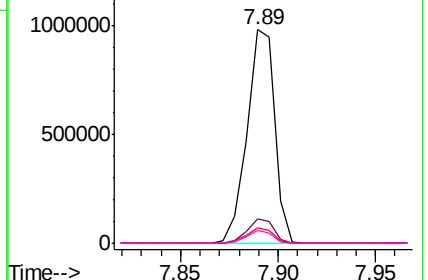
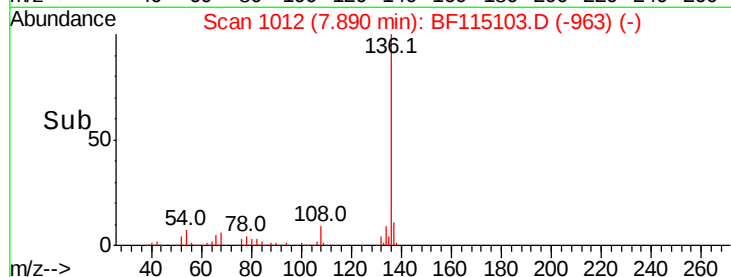


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.118 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

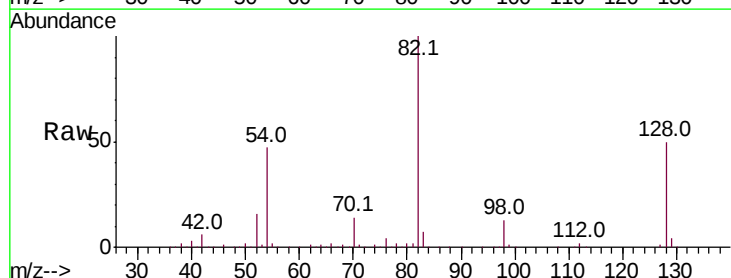
Tgt Ion: 82 Resp: 1211670

Ion Ratio Lower Upper

82 100

128 49.9 40.4 60.6

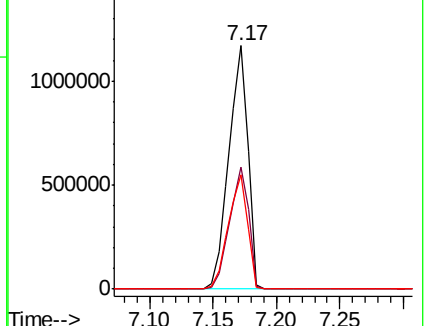
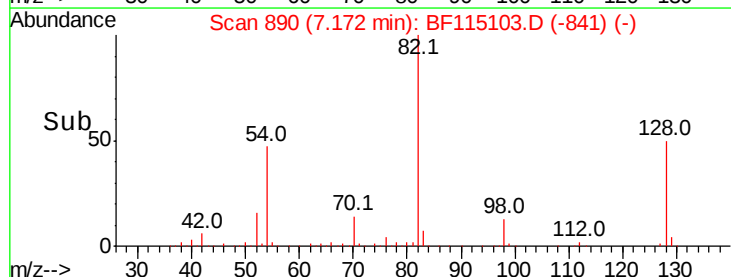
54 47.2 37.5 56.3

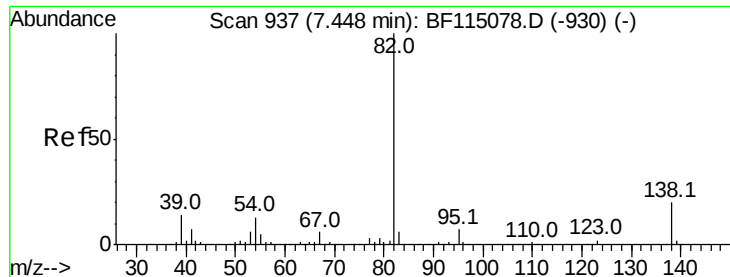


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.359 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

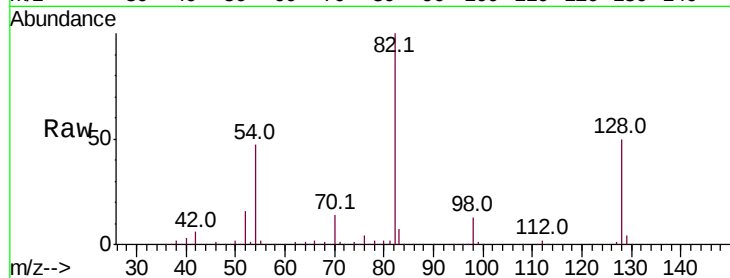
Tot Ion: 82 Resp: 1202451

Ion Ratio Lower Upper

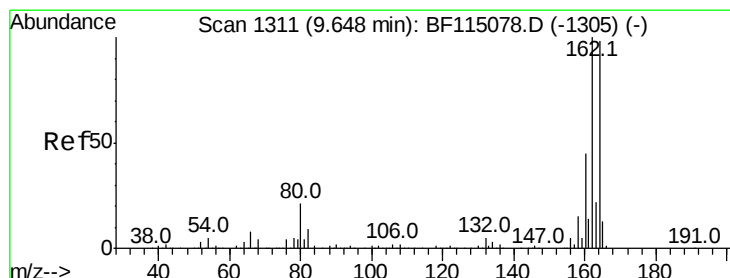
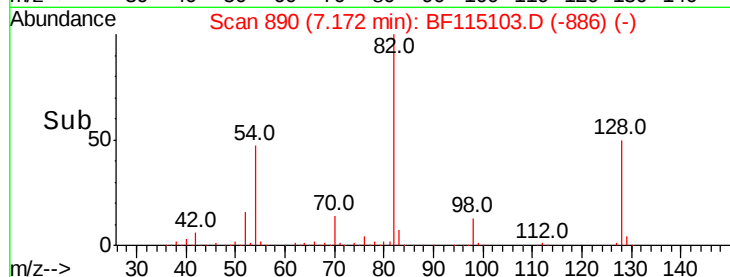
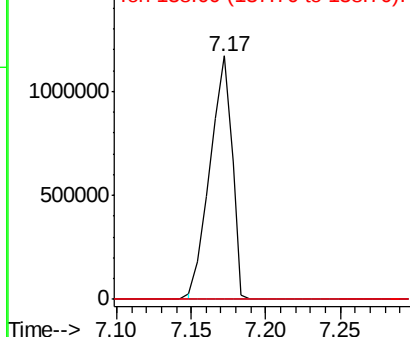
82 100

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: BF115103.D

Acq: 22 Jun 2019 2:43

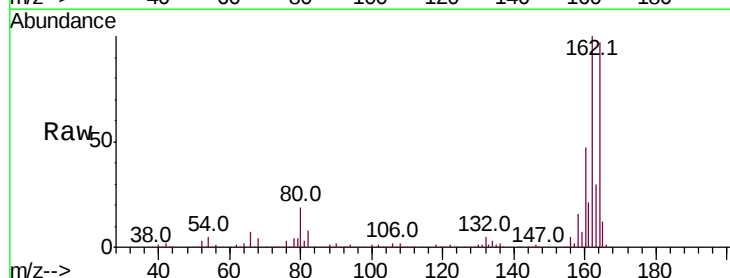
Tgt Ion:164 Resp: 476733

Ion Ratio Lower Upper

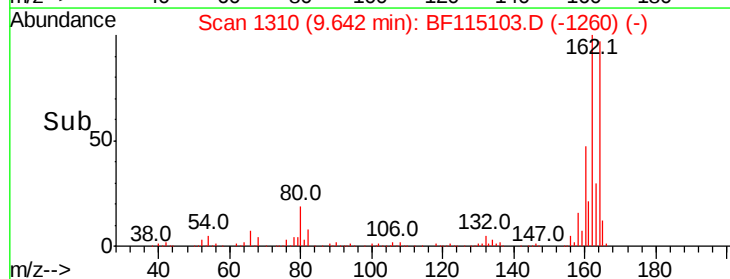
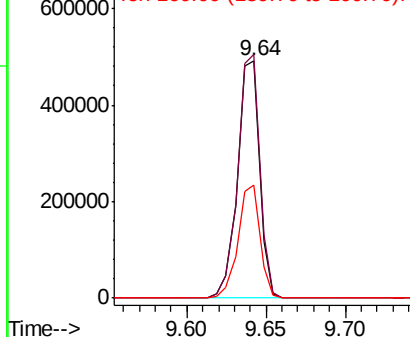
164 100

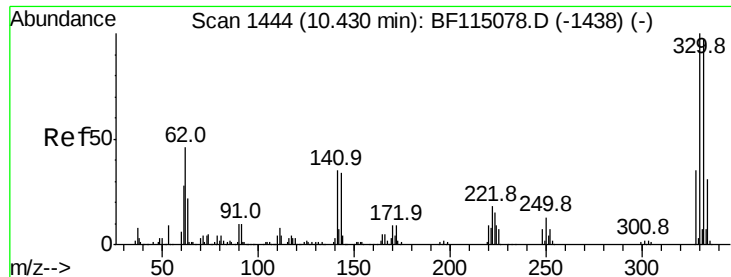
162 102.6 81.7 122.5

160 47.7 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

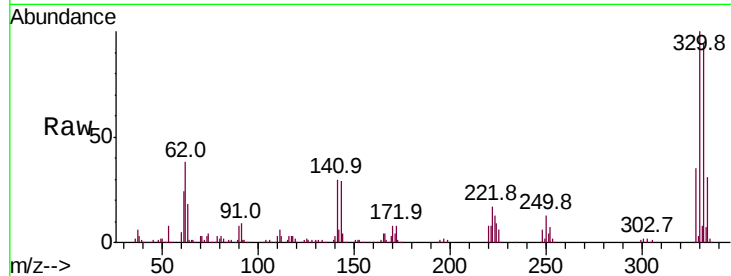




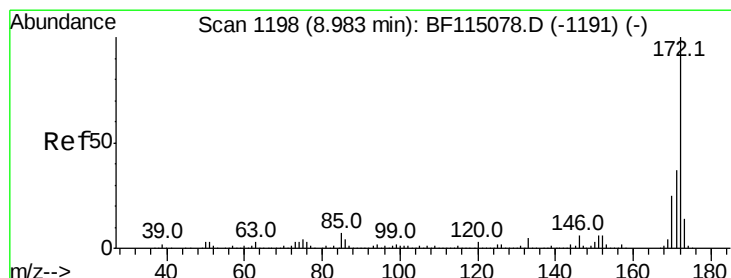
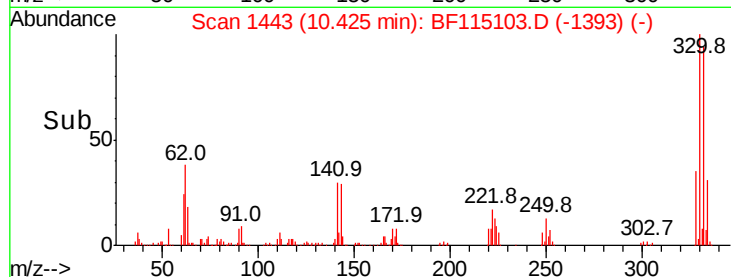
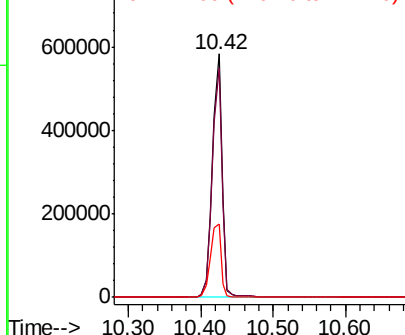
#42
 2,4,6-Tribromophenol
 Concen: 109.576 ng
 RT: 10.42 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF115103.D
 Acq: 22 Jun 2019 2:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	33.5	28.2	42.2

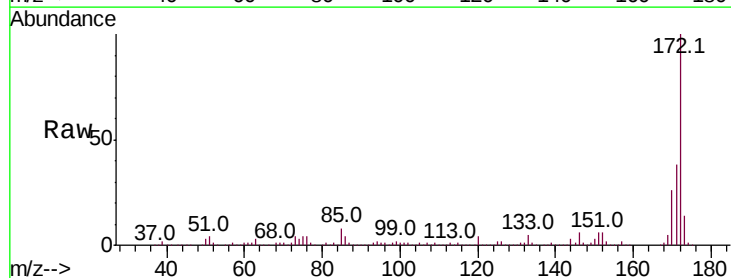


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

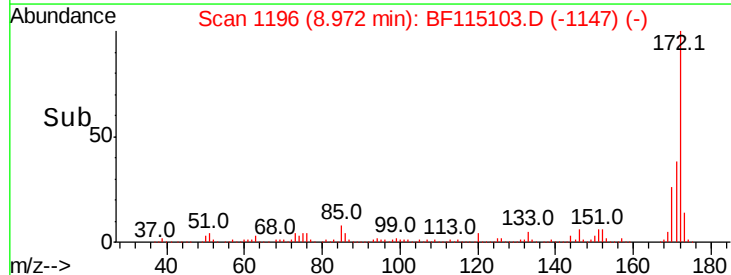
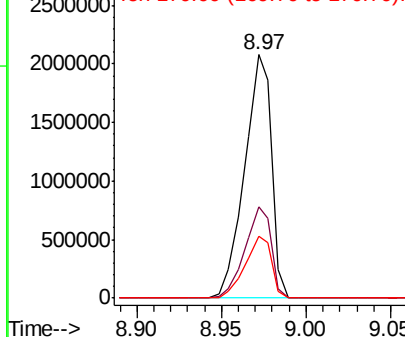


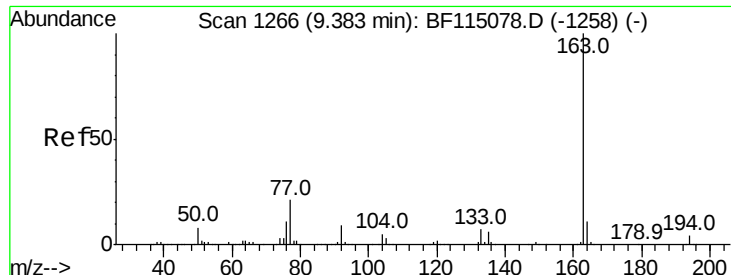
#45
 2-Fluorobiphenyl
 Concen: 82.371 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115103.D
 Acq: 22 Jun 2019 2:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	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: 3.929 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.26 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

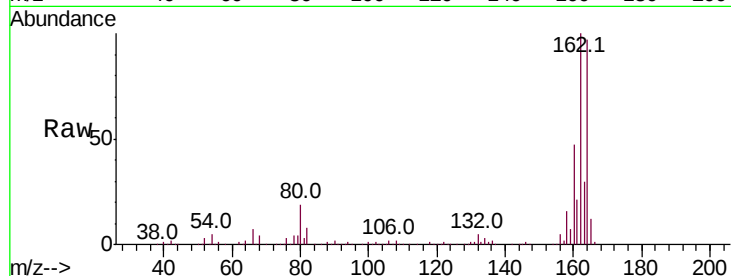
Tot Ion:163 Resp: 137807

Ion Ratio Lower Upper

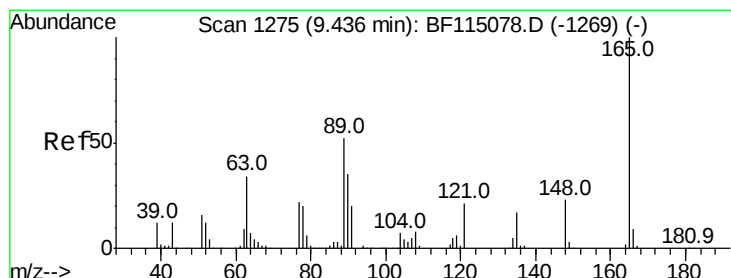
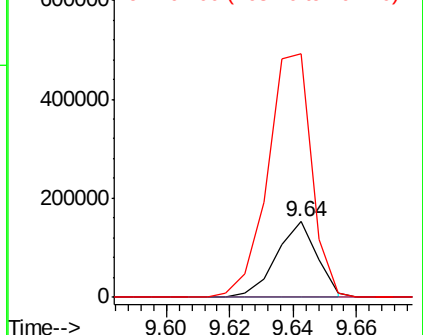
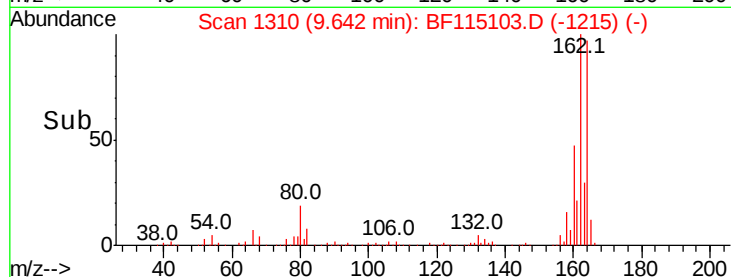
163 100

194 0.0 3.2 4.8#

164 322.7 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: 7.562 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.20 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

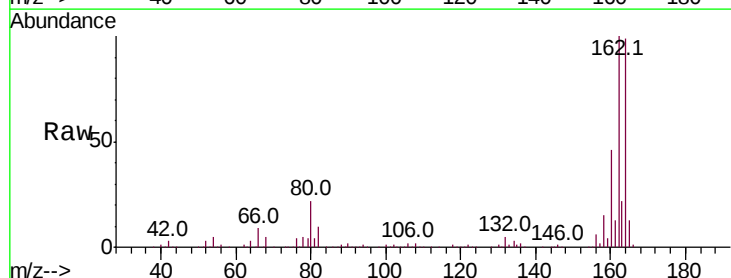
Tgt Ion:165 Resp: 61234

Ion Ratio Lower Upper

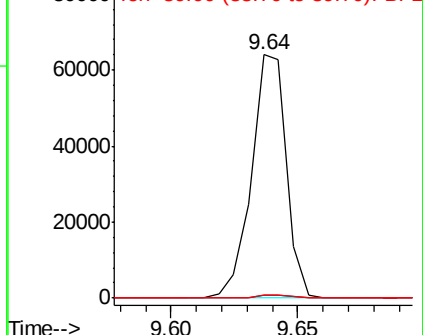
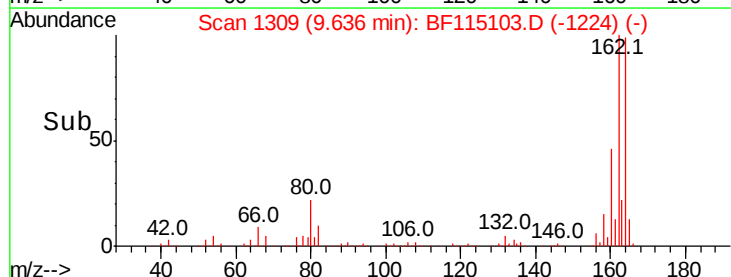
165 100

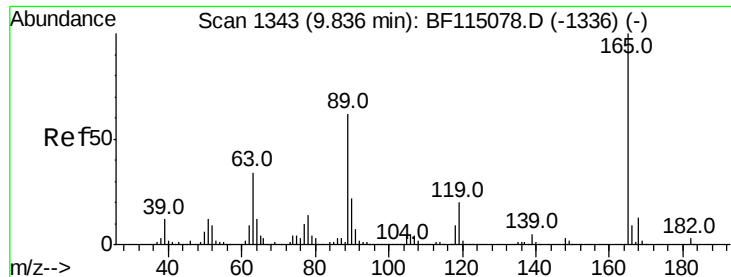
63 1.1 39.4 59.2#

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

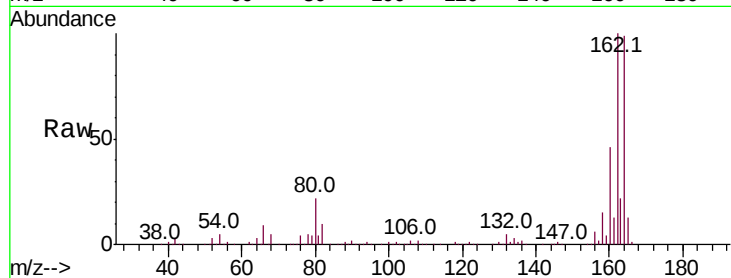




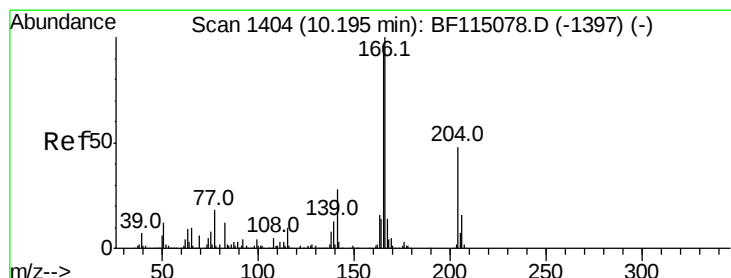
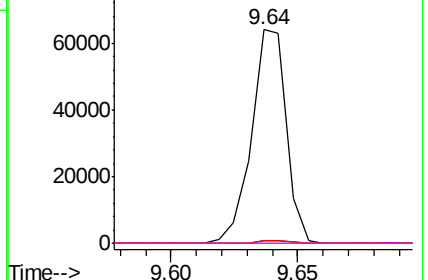
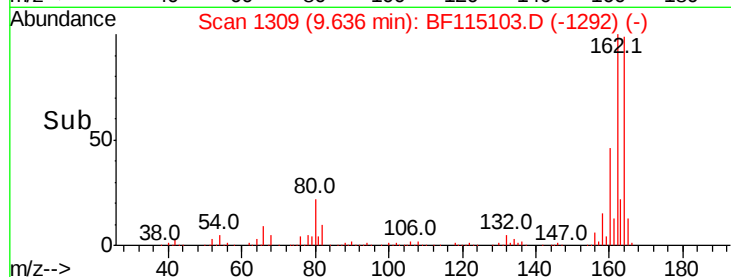
#57
2,4-Dinitrotoluene
Concen: 5.857 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.5	41.3#
89	1.2	49.9	74.9#
182	0.0	2.1	3.1#

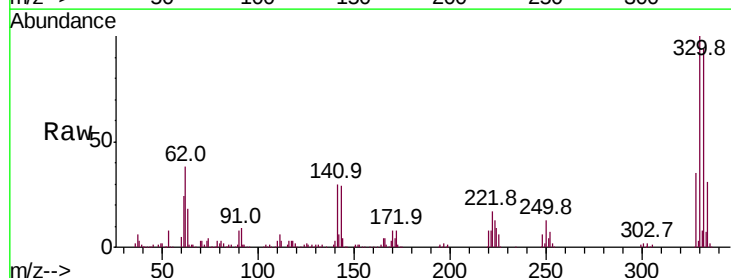


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

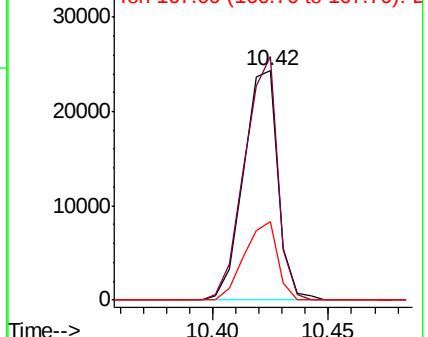
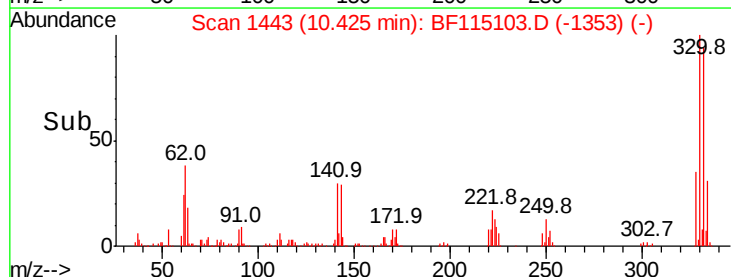


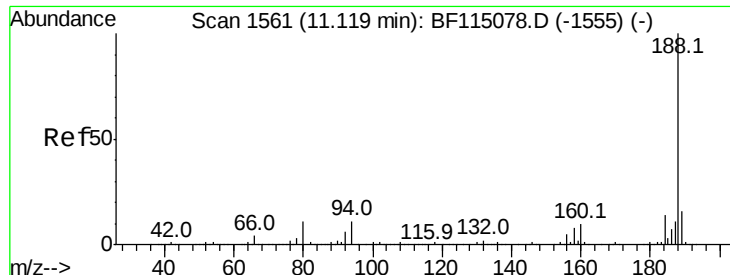
#58
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 1443
Delta R.T. 0.23 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.2	76.5	114.7
167	34.4	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: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

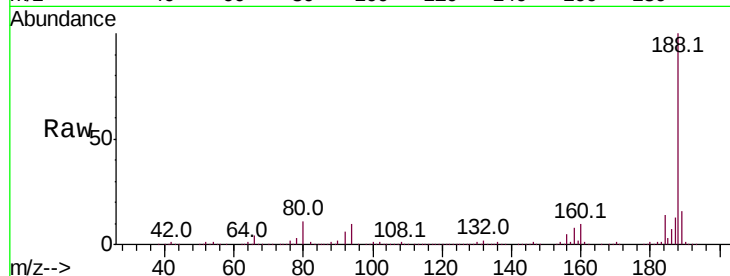
Tot Ion:188 Resp: 947523

Ion Ratio Lower Upper

188 100

94 9.8 8.6 12.8

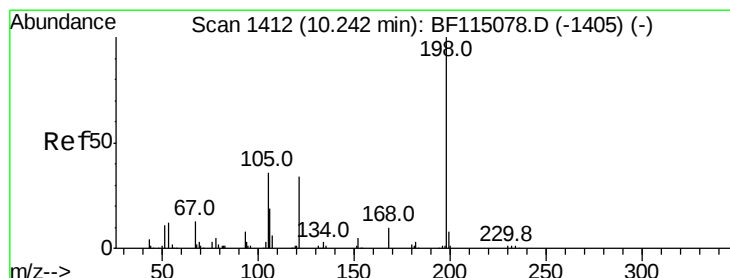
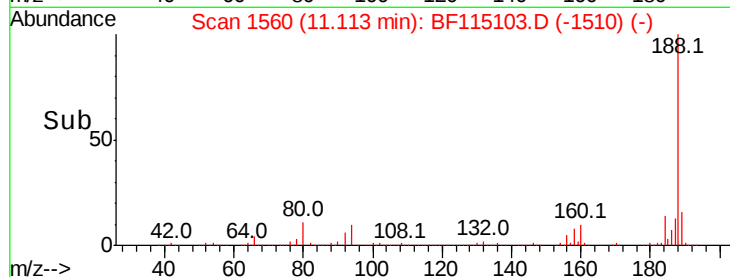
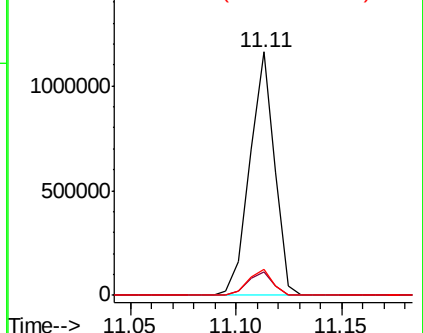
80 10.6 8.8 13.2



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: 5.129 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

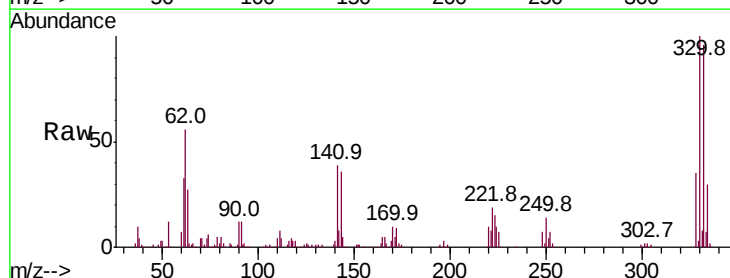
Tgt Ion:198 Resp: 951

Ion Ratio Lower Upper

198 100

51 184.9 11.0 51.0#

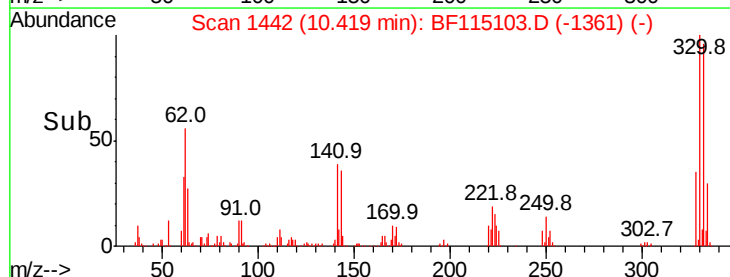
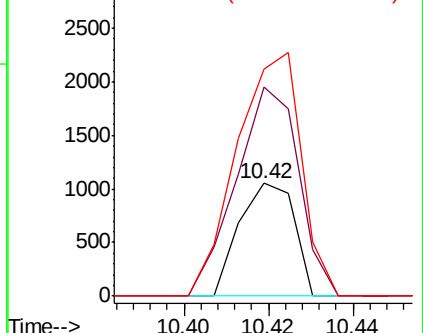
105 201.2 17.3 57.3#

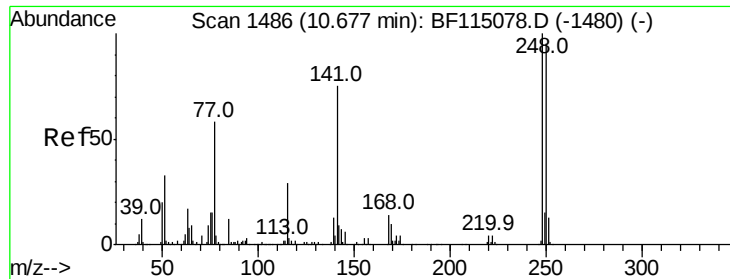


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

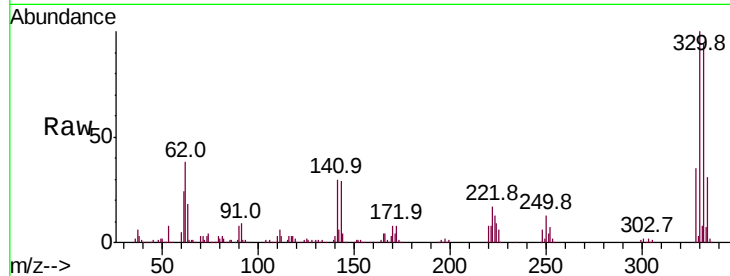




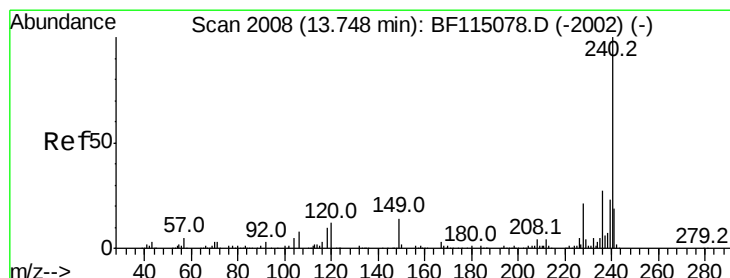
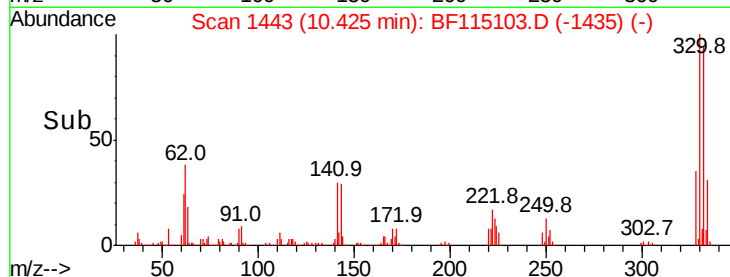
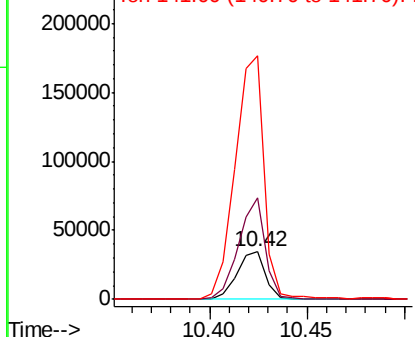
#67
4-Bromophenyl-phenylether
Concen: 3.354 ng
RT: 10.42 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 34456
Ion Ratio Lower Upper
248 100
250 213.4 76.2 114.2#
141 511.7 59.6 89.4#

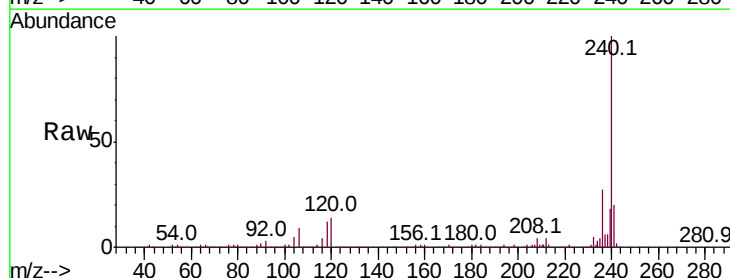


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

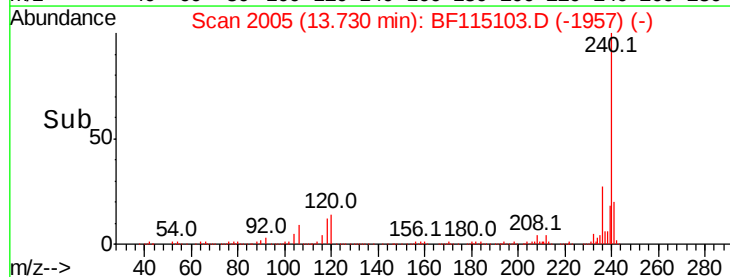
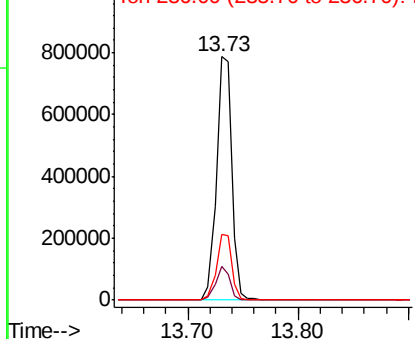


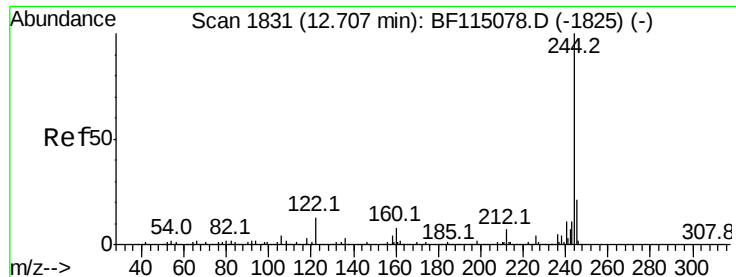
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.73 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF115103.D
Acq: 22 Jun 2019 2:43

Tgt Ion:240 Resp: 759007
Ion Ratio Lower Upper
240 100
120 13.8 9.4 14.2
236 27.1 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: 72.709 ng

RT: 12.71 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF115103.D

Acq: 22 Jun 2019 2:43

Instrument :

BNA_F

ClientSampleId :

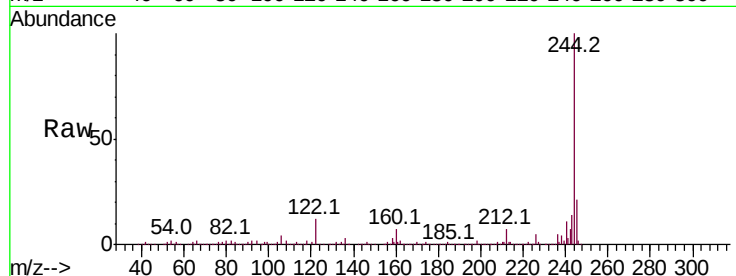
Tot Ion:244 Resp: 2595619

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

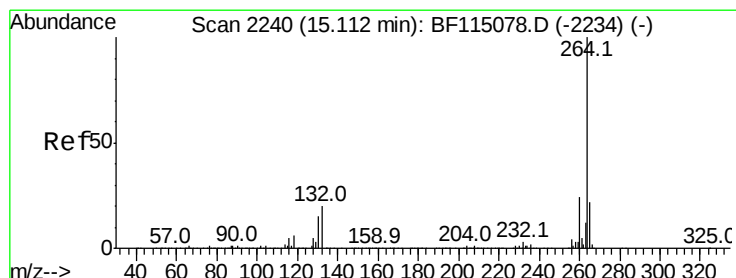
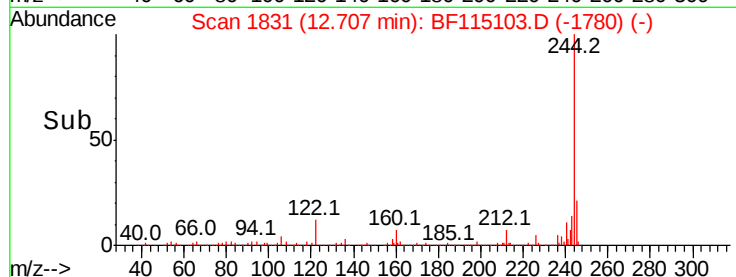
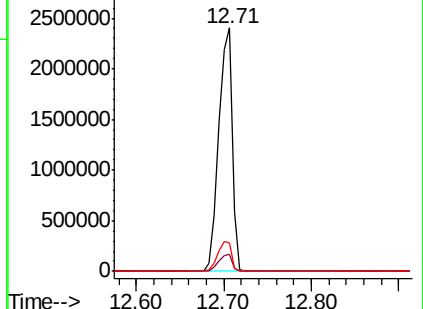
122 11.5 10.4 15.6



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: BF115103.D

Acq: 22 Jun 2019 2:43

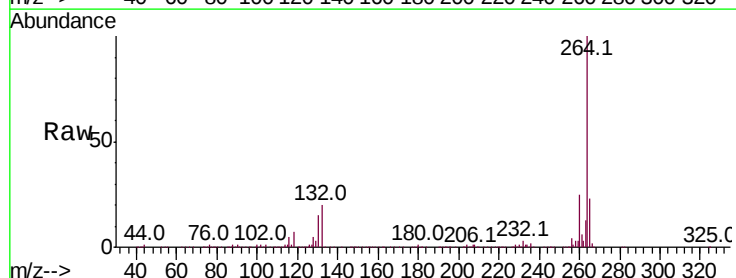
Tgt Ion:264 Resp: 768539

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

265 22.7 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

