

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115353.D
 Acq On : 2 Jul 2019 10:16
 Operator : HP/JU
 Sample : PB121059BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121059BL

Quant Time: Jul 02 12:00:09 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 28 05:26:43 2019
 Response via : Initial Calibration

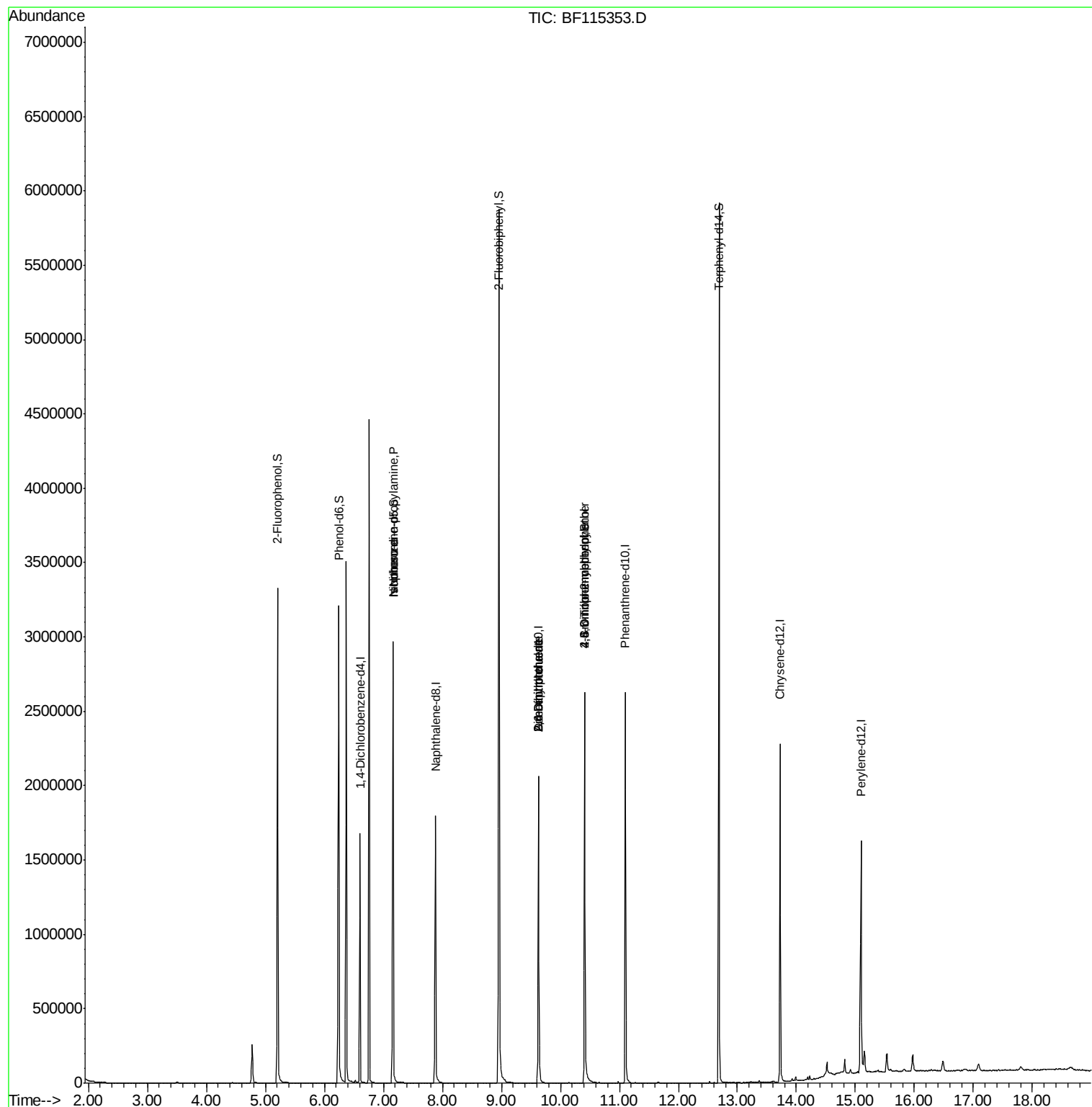
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	237409	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	952181	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	480740	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	987750	20.00	ng	0.00
76) Chrysene-d12	13.72	240	766193	20.00	ng	0.00
87) Perylene-d12	15.09	264	788421	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1044758	67.91	ng	0.02
7) Phenol-d6	6.24	99	1258750	67.41	ng	0.00
23) Nitrobenzene-d5	7.17	82	1139945	73.65	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	380631	75.08	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2195128	77.56	ng	0.00
79) Terphenyl-d14	12.69	244	2297578	63.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	150600	12.598	ng	# 76
25) Isophorone	7.17	82	1119408	35.303	ng	# 63
50) Dimethylphthalate	9.63	163	125867	3.559	ng	# 1
51) 2,6-Dinitrotoluene	9.63	165	62149	7.611	ng	# 29
57) 2,4-Dinitrotoluene	9.63	165	62149	5.895	ng	# 30
58) Fluorene	10.41	166	17573	Below Cal		# 86
65) 4,6-Dinitro-2-methylphenol	10.41	198	636	5.068	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	23839	2.226	ng	# 1

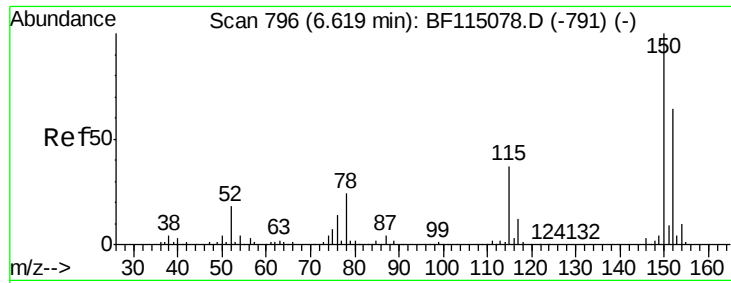
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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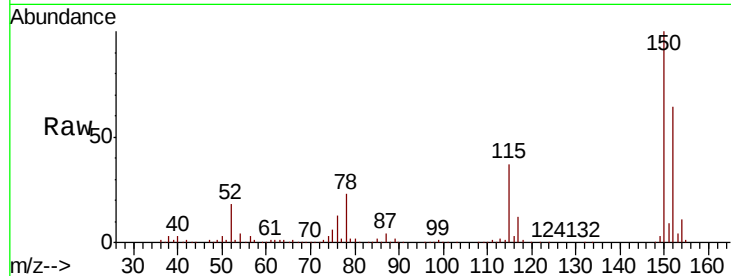


#1

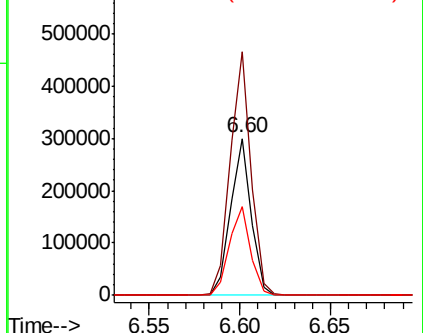
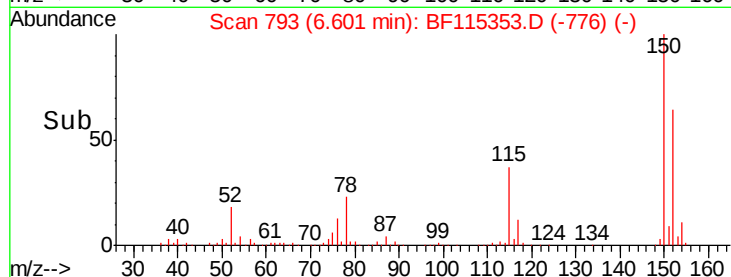
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121059BL

Tot Ion:152 Resp: 237409
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.2 186.2
 115 57.1 46.1 69.1



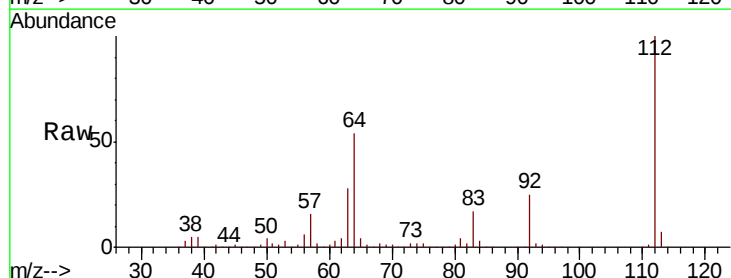
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



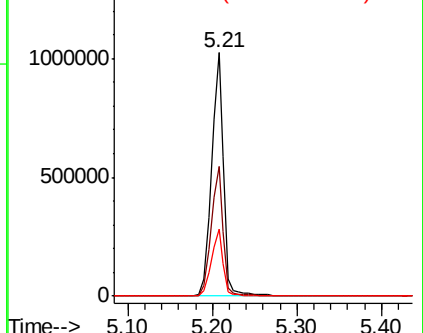
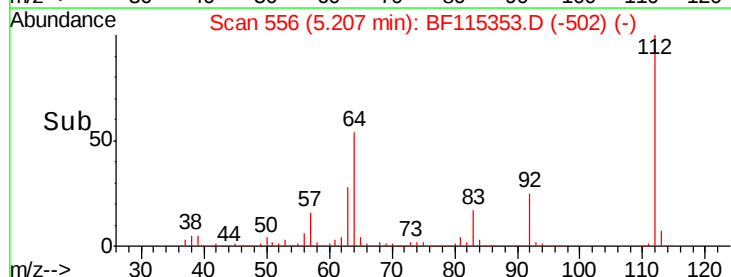
#5

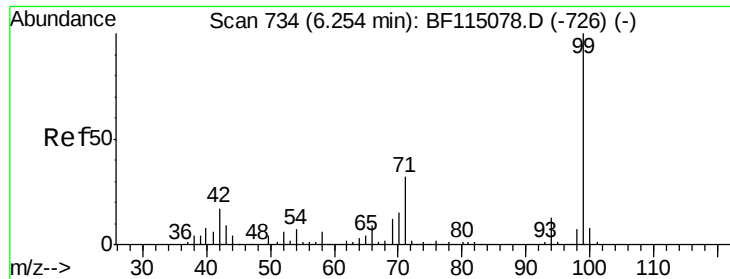
2-Fluorophenol
 Concen: 67.910 ng
 RT: 5.21 min Scan# 556
 Delta R.T. 0.02 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Tgt Ion:112 Resp: 1044758
 Ion Ratio Lower Upper
 112 100
 64 53.5 43.8 65.6
 63 27.5 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: 67.410 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampleId :

PB121059BL

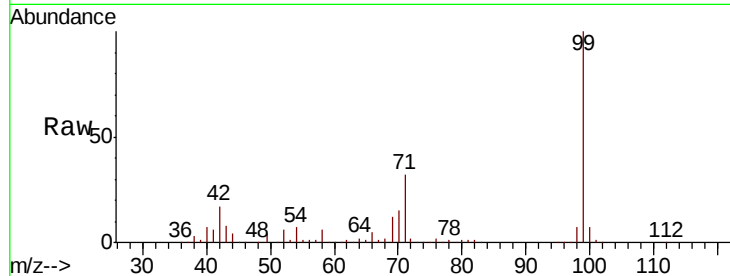
Tot Ion: 99 Resp: 1258750

Ion Ratio Lower Upper

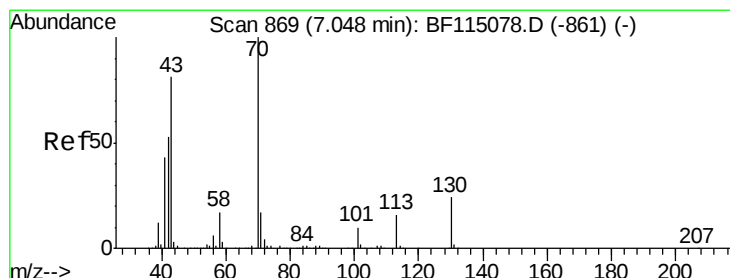
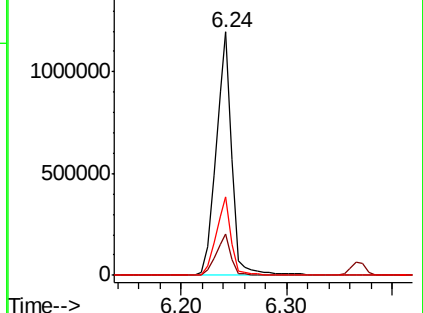
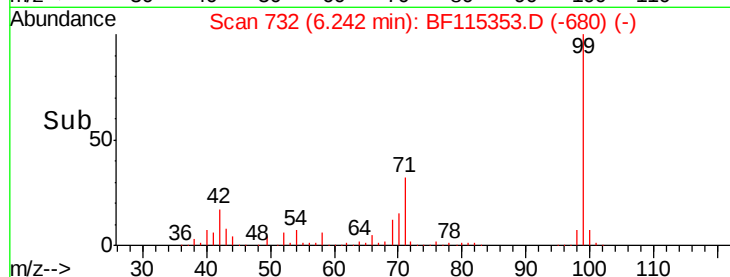
99 100

42 16.8 13.6 20.4

71 32.4 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: 12.598 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Tgt Ion: 70 Resp: 150600

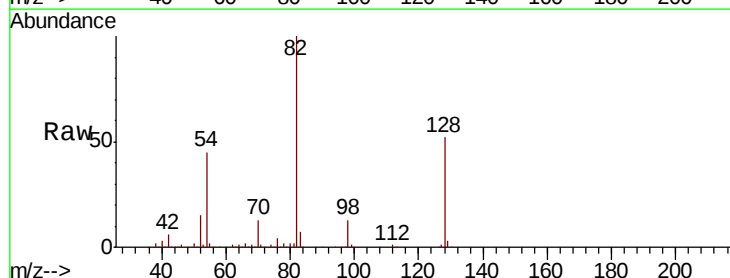
Ion Ratio Lower Upper

70 100

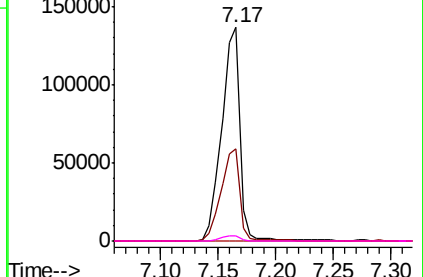
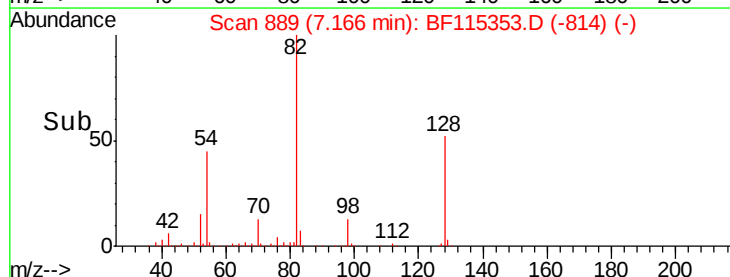
42 43.4 42.6 63.8

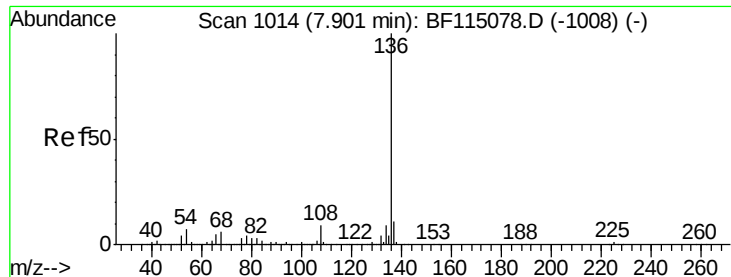
101 0.0 8.0 12.0#

130 2.6 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: 7.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampleId :

PB121059BL

Tot Ion:136 Resp: 952181

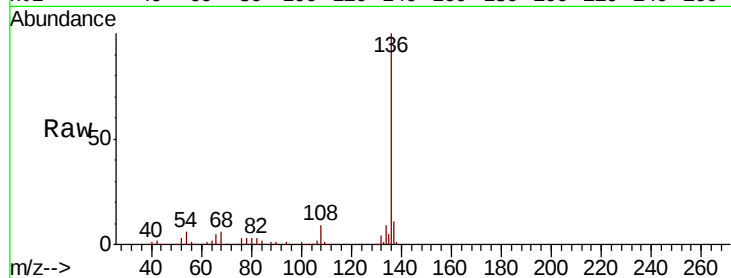
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.4 5.6 8.4

68 5.5 4.8 7.2

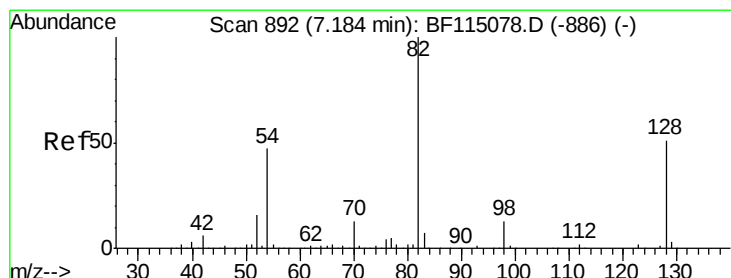
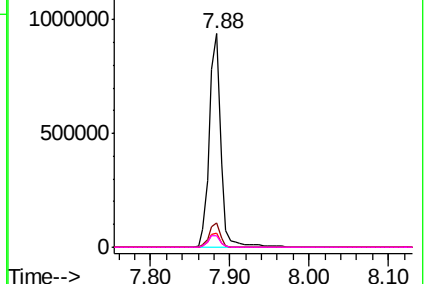
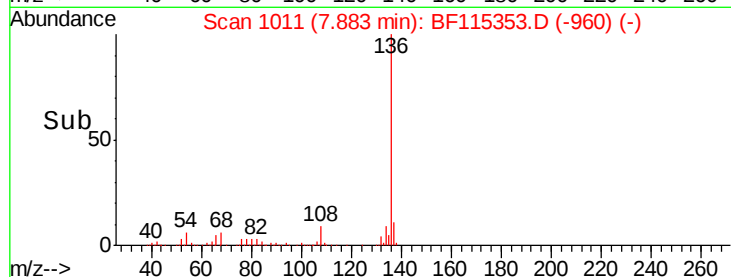


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.646 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.00 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

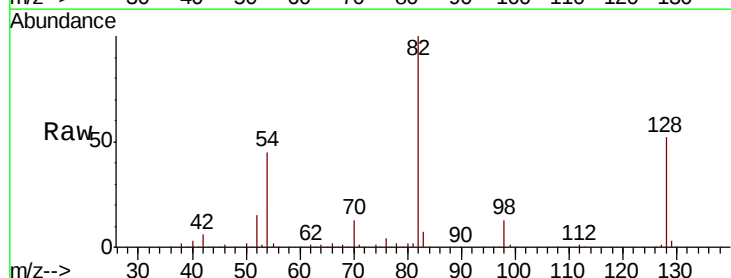
Tgt Ion: 82 Resp: 1139945

Ion Ratio Lower Upper

82 100

128 52.1 40.4 60.6

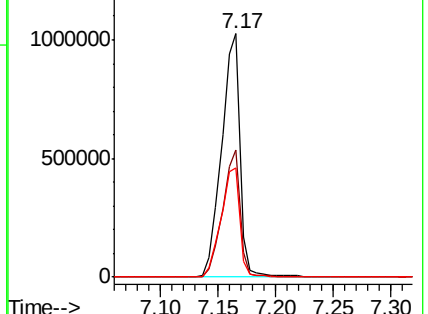
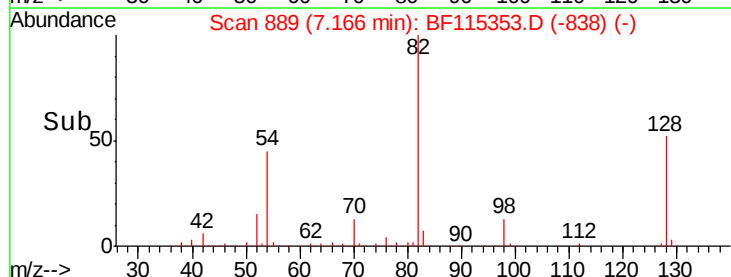
54 44.9 37.5 56.3



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: 35.303 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampleId :

PB121059BL

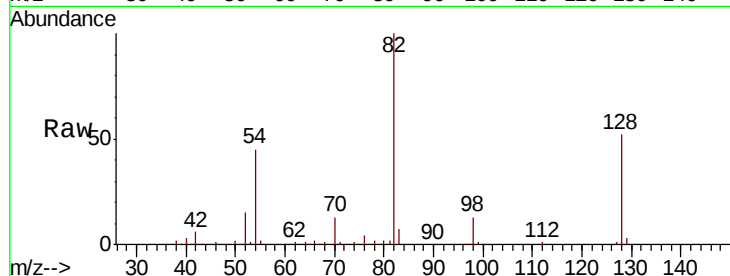
Tot Ion: 82 Resp: 1119408

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

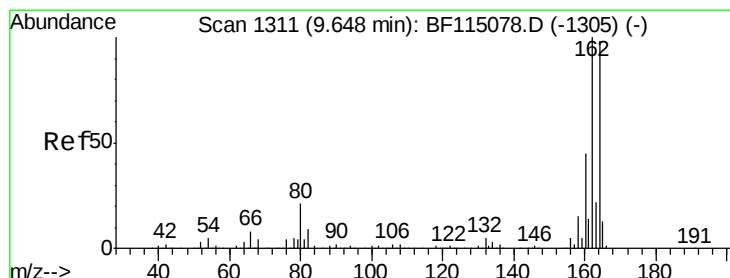
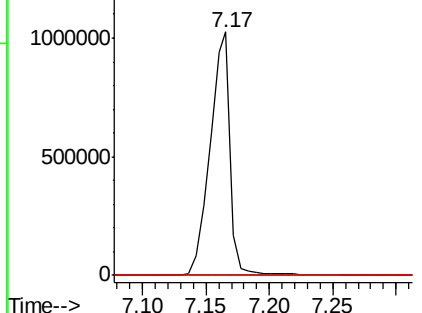
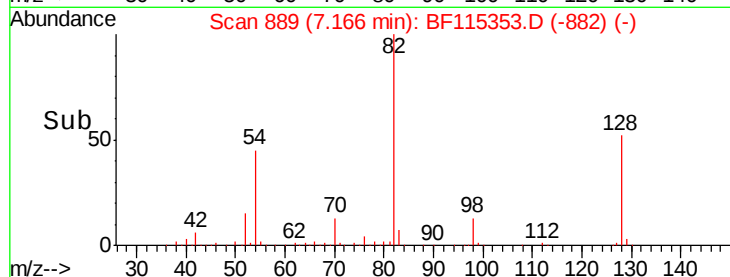
138 0.0 15.9 23.9#



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: 9.63 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

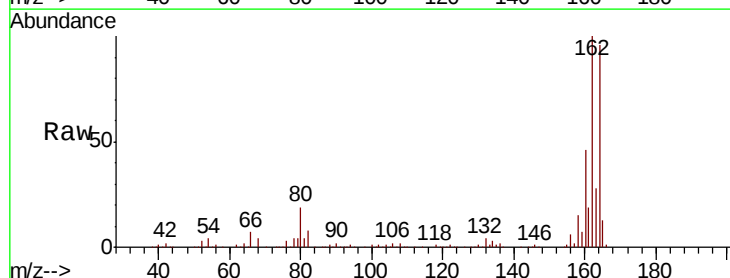
Tgt Ion:164 Resp: 480740

Ion Ratio Lower Upper

164 100

162 103.8 81.7 122.5

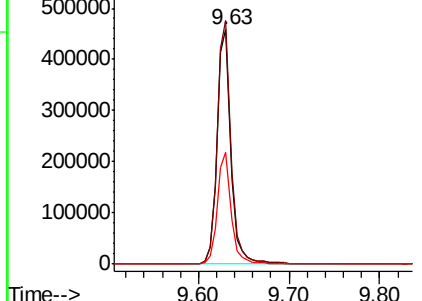
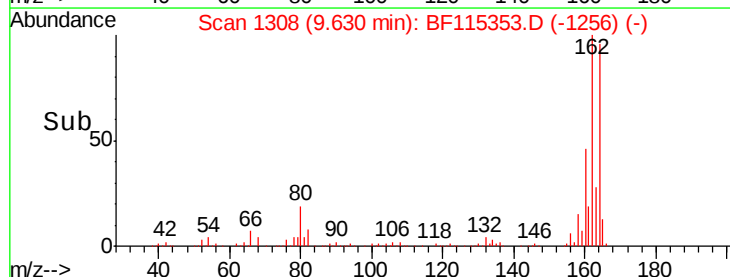
160 47.4 37.0 55.4

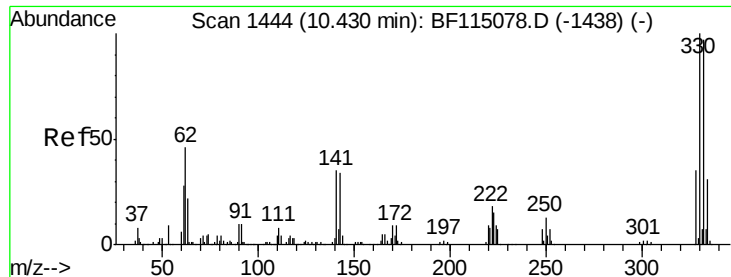


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

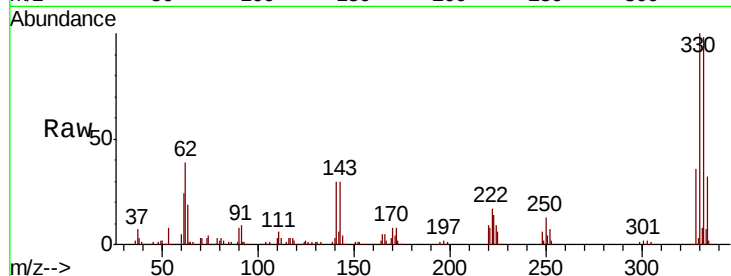




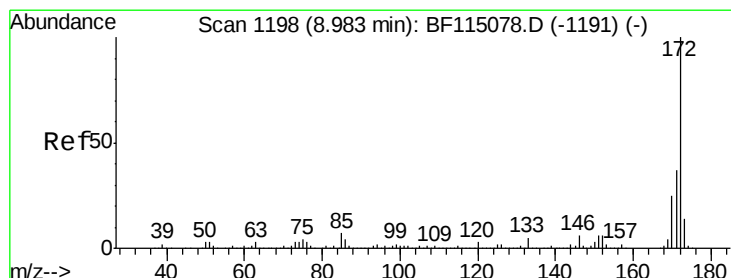
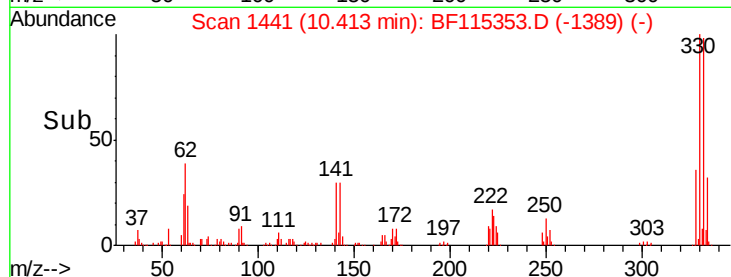
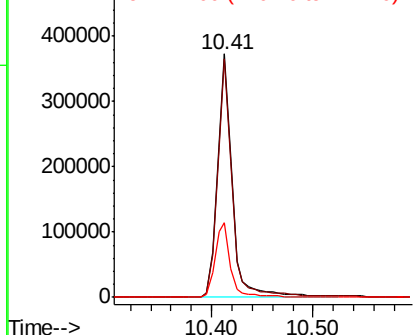
#42
 2,4,6-Tribromophenol
 Concen: 75.081 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121059BL

Tot Ion:330 Resp: 380631
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.3 115.9
 141 32.5 28.2 42.2

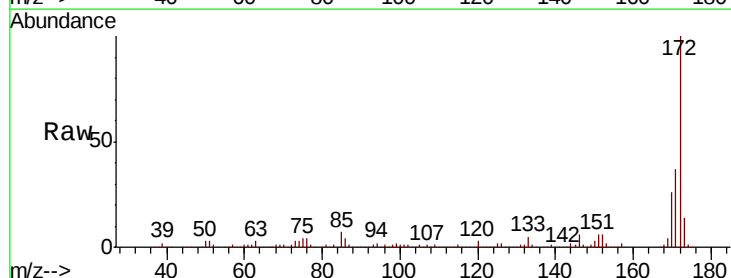


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

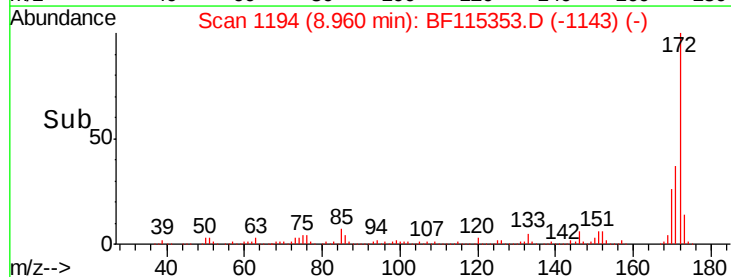
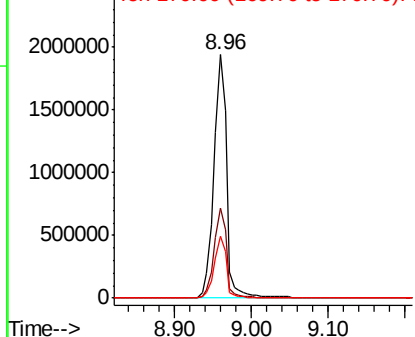


#45
 2-Fluorobiphenyl
 Concen: 77.562 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Tgt Ion:172 Resp: 2195128
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.6 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: 3.559 ng

RT: 9.63 min Scan# 1308

Delta R.T. 0.27 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampleId :

PB121059BL

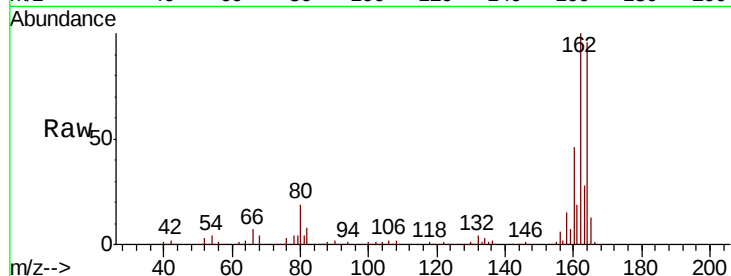
Tot Ion:163 Resp: 125867

Ion Ratio Lower Upper

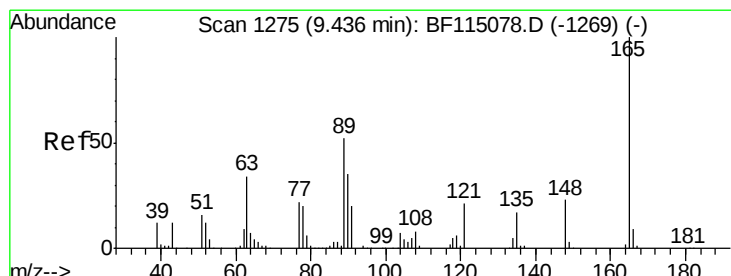
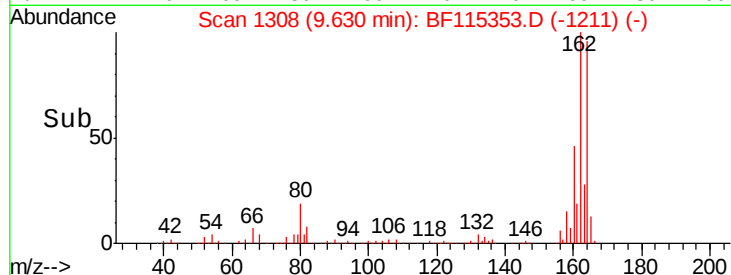
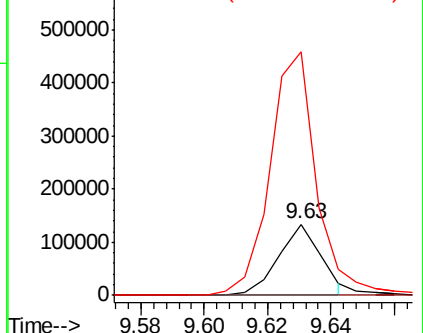
163 100

194 0.0 3.2 4.8#

164 342.0 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: 7.611 ng

RT: 9.63 min Scan# 1308

Delta R.T. 0.22 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

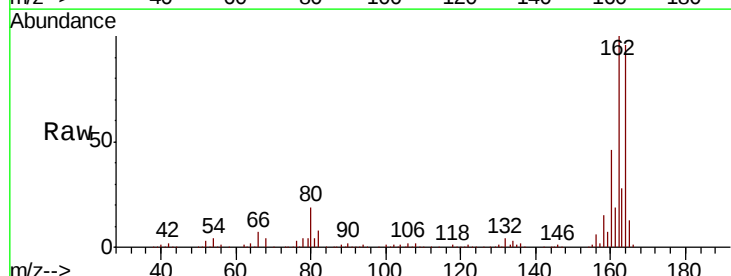
Tgt Ion:165 Resp: 62149

Ion Ratio Lower Upper

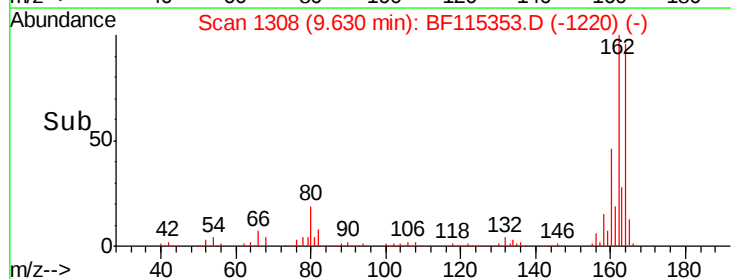
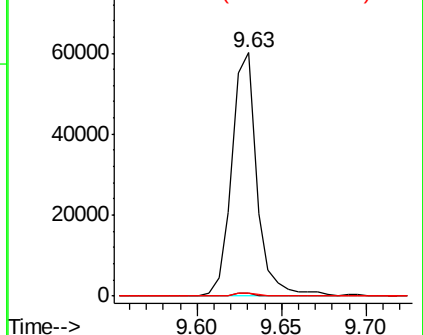
165 100

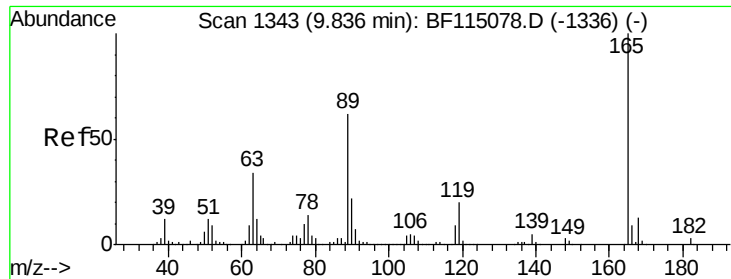
63 1.1 39.4 59.2#

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

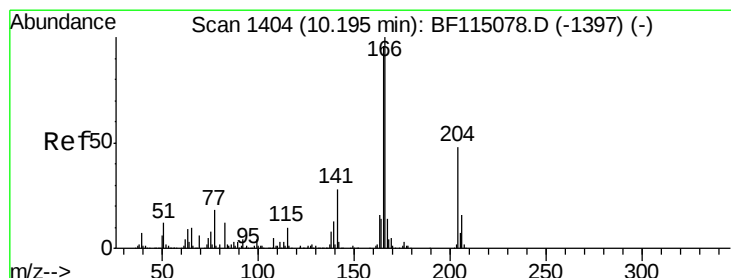
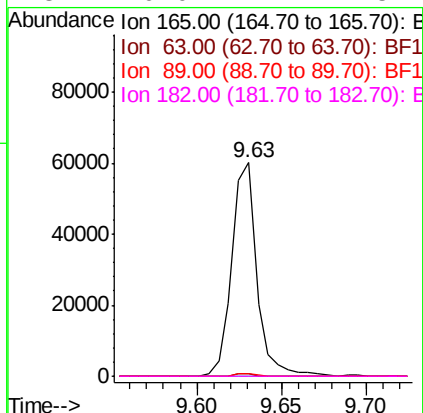
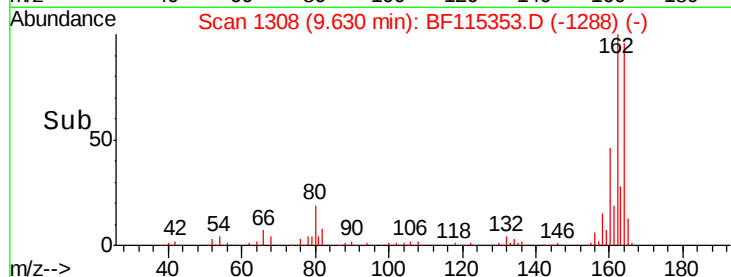
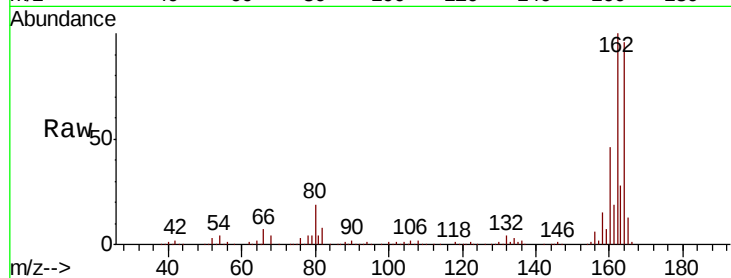




#57
2,4-Dinitrotoluene
Concen: 5.895 ng
RT: 9.63 min Scan# 1308
Delta R.T. -0.18 min
Lab File: BF115353.D
Acq: 2 Jul 2019 10:16

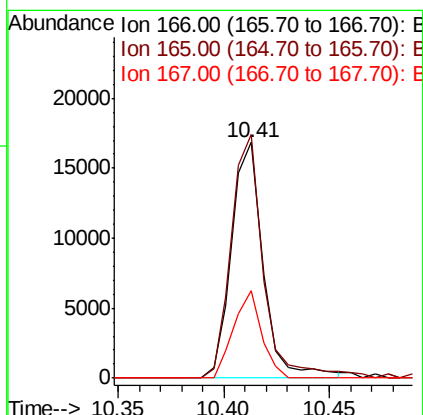
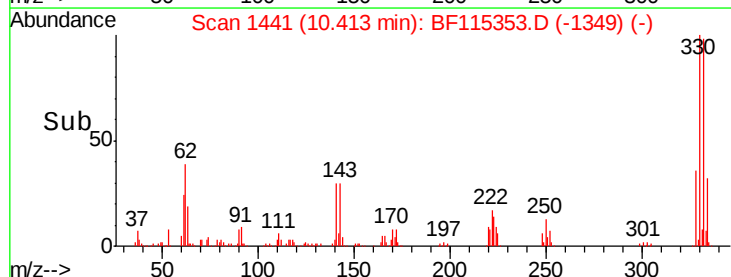
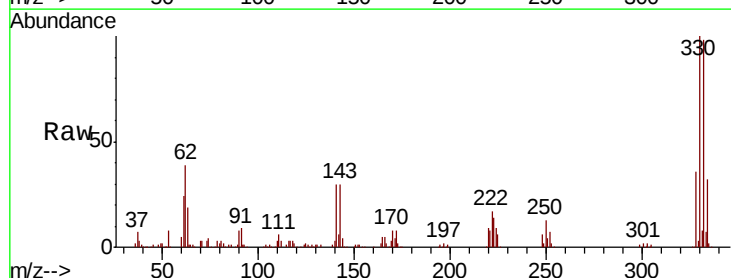
Instrument :
BNA_F
ClientSampleId :
PB121059BL

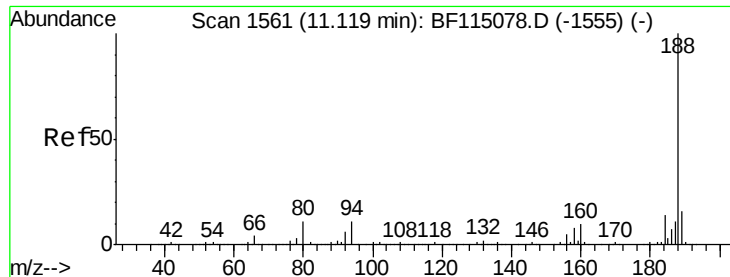
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: Below Cal
RT: 10.41 min Scan# 1441
Delta R.T. 0.24 min
Lab File: BF115353.D
Acq: 2 Jul 2019 10:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.3	76.5	114.7
167	37.4	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampleId :

PB121059BL

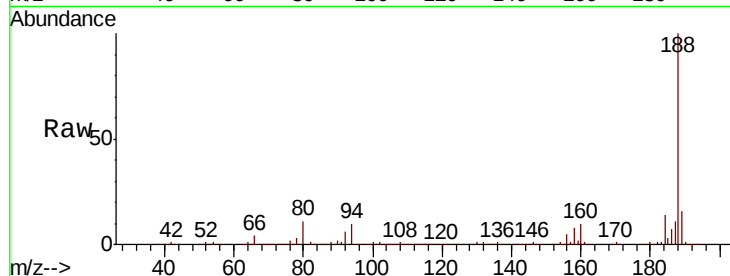
Tot Ion:188 Resp: 987750

Ion Ratio Lower Upper

188 100

94 10.1 8.6 12.8

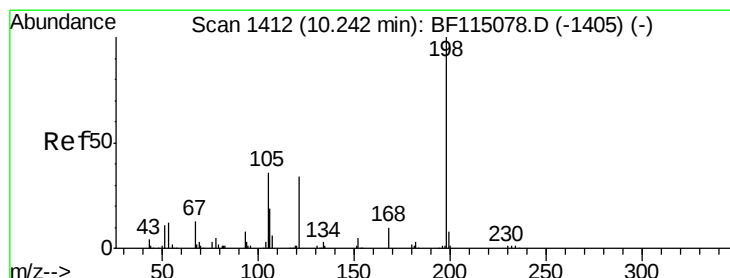
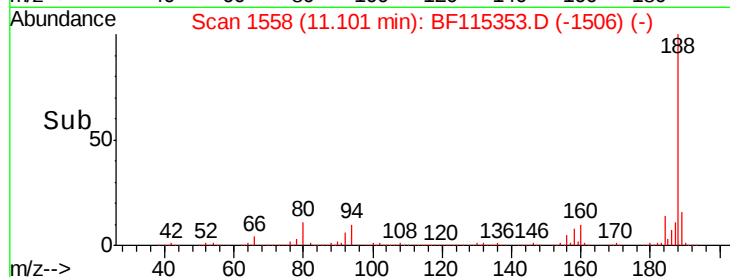
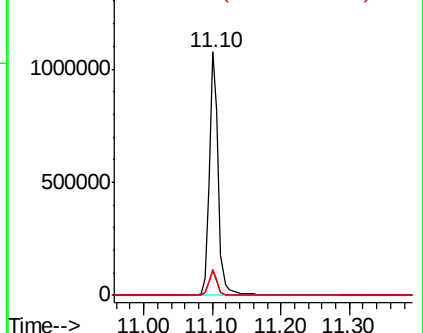
80 10.7 8.8 13.2



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: 5.068 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.19 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

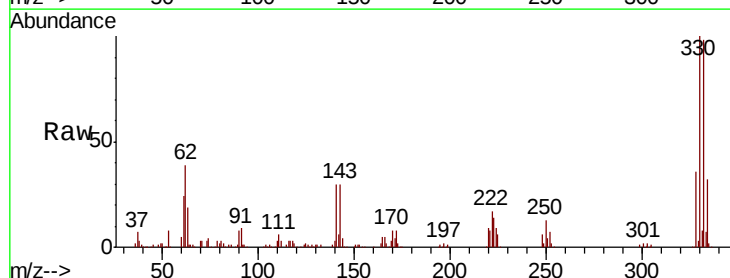
Tgt Ion:198 Resp: 636

Ion Ratio Lower Upper

198 100

51 111.0 11.0 51.0#

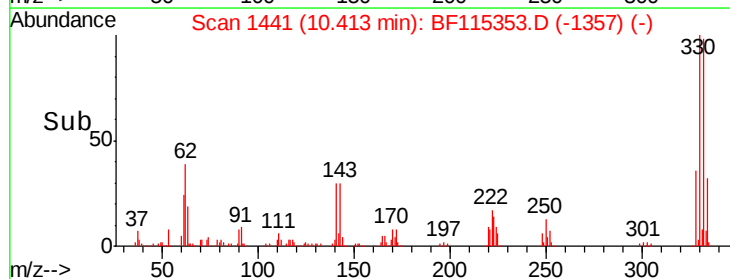
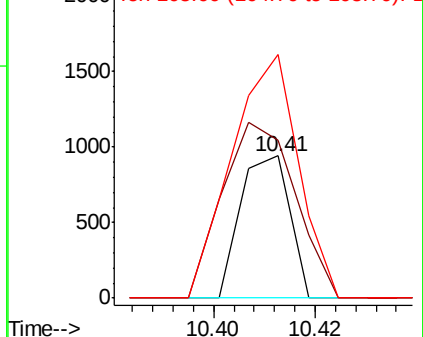
105 171.1 17.3 57.3#

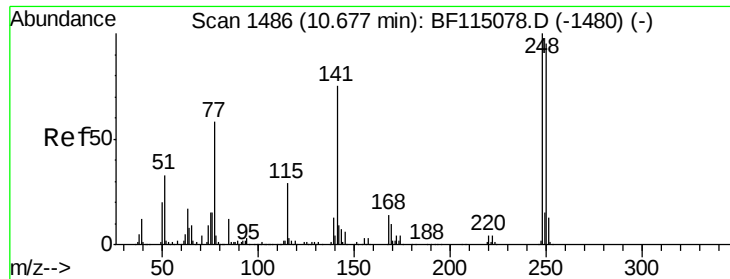


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

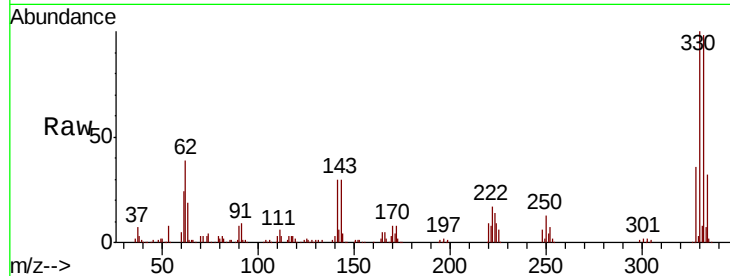




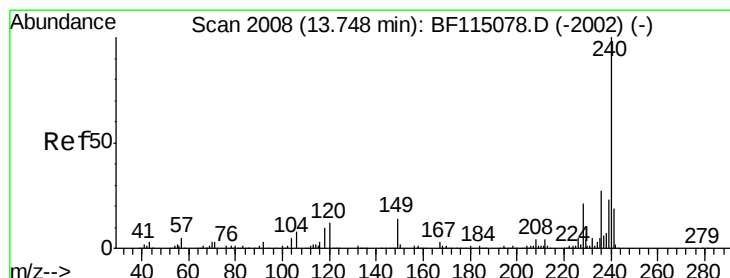
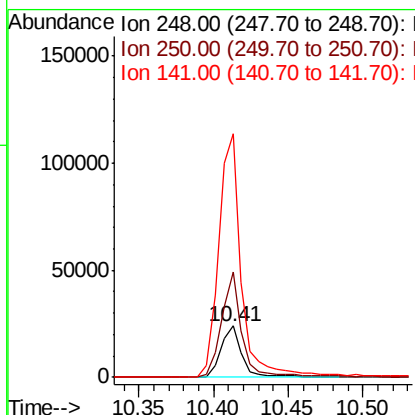
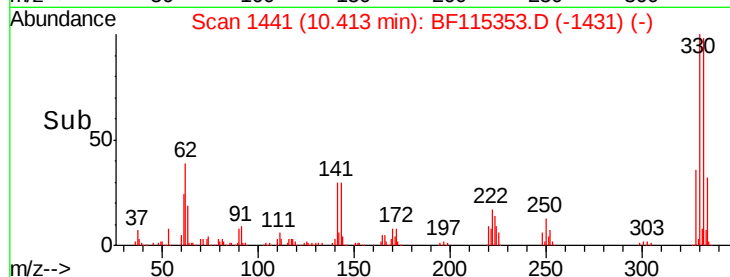
#67
 4-Bromophenyl-phenylether
 Concen: 2.226 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Instrument :
 BNA_F
 ClientSampled :
 PB121059BL

Tot Ion:248 Resp: 23839
 Ion Ratio Lower Upper
 248 100
 250 203.9 76.2 114.2#
 141 472.1 59.6 89.4#

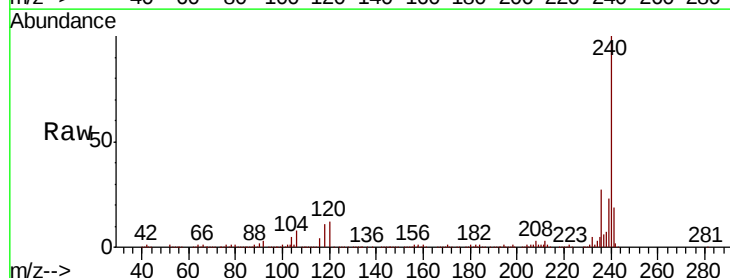


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

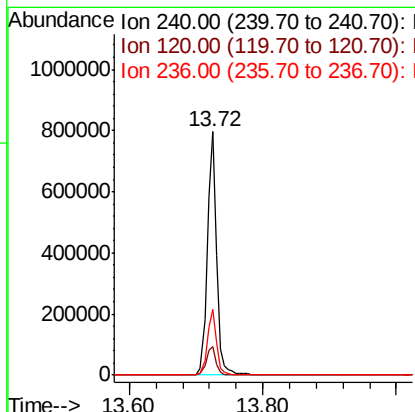
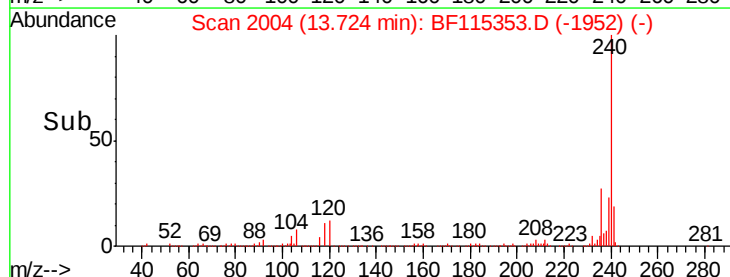


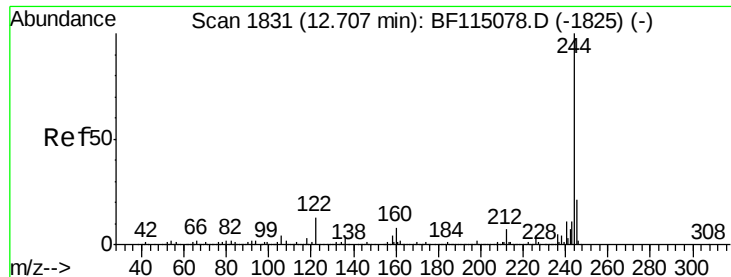
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.72 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF115353.D
 Acq: 2 Jul 2019 10:16

Tgt Ion:240 Resp: 766193
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.4 14.2
 236 26.7 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: 63.757 ng

RT: 12.69 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

Instrument :

BNA_F

ClientSampled :

PB121059BL

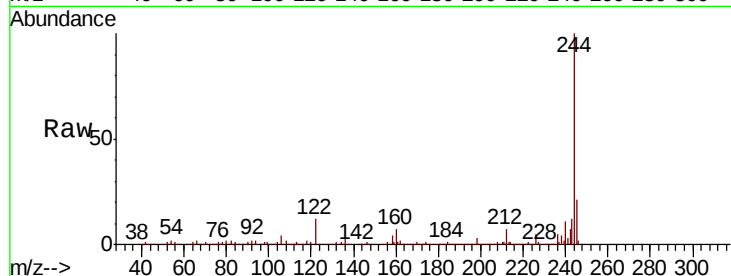
Tot Ion:244 Resp: 2297578

Ion Ratio Lower Upper

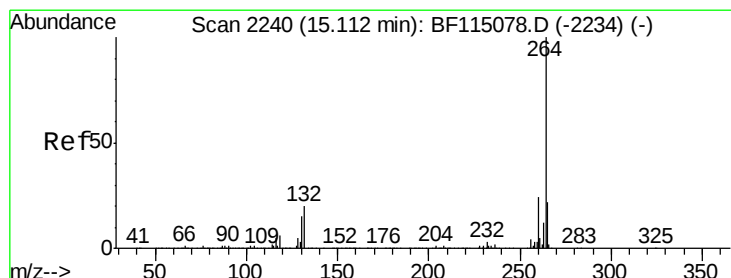
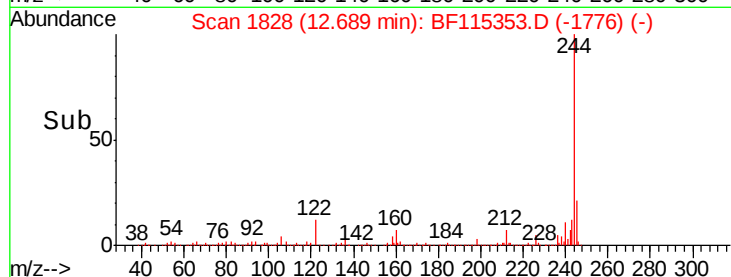
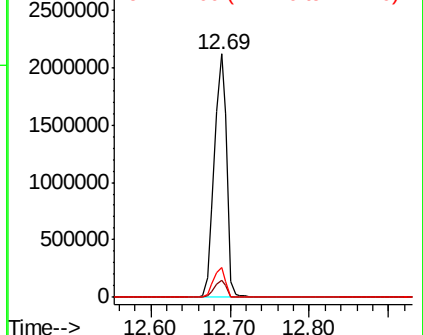
244 100

212 7.2 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: 15.09 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF115353.D

Acq: 2 Jul 2019 10:16

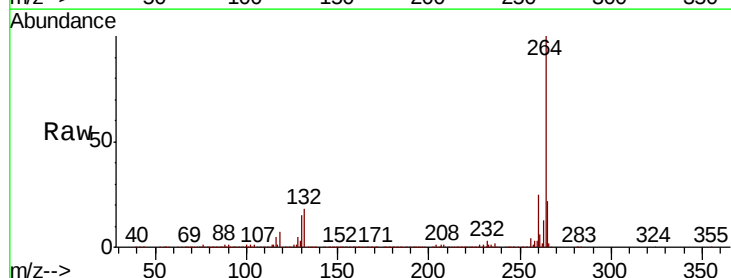
Tgt Ion:264 Resp: 788421

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 21.9 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

