

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101505.D
 Acq On : 19 Dec 2017 3:50
 Operator : SJ/JU
 Sample : I6909-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-U-B

Quant Time: Dec 19 04:22:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

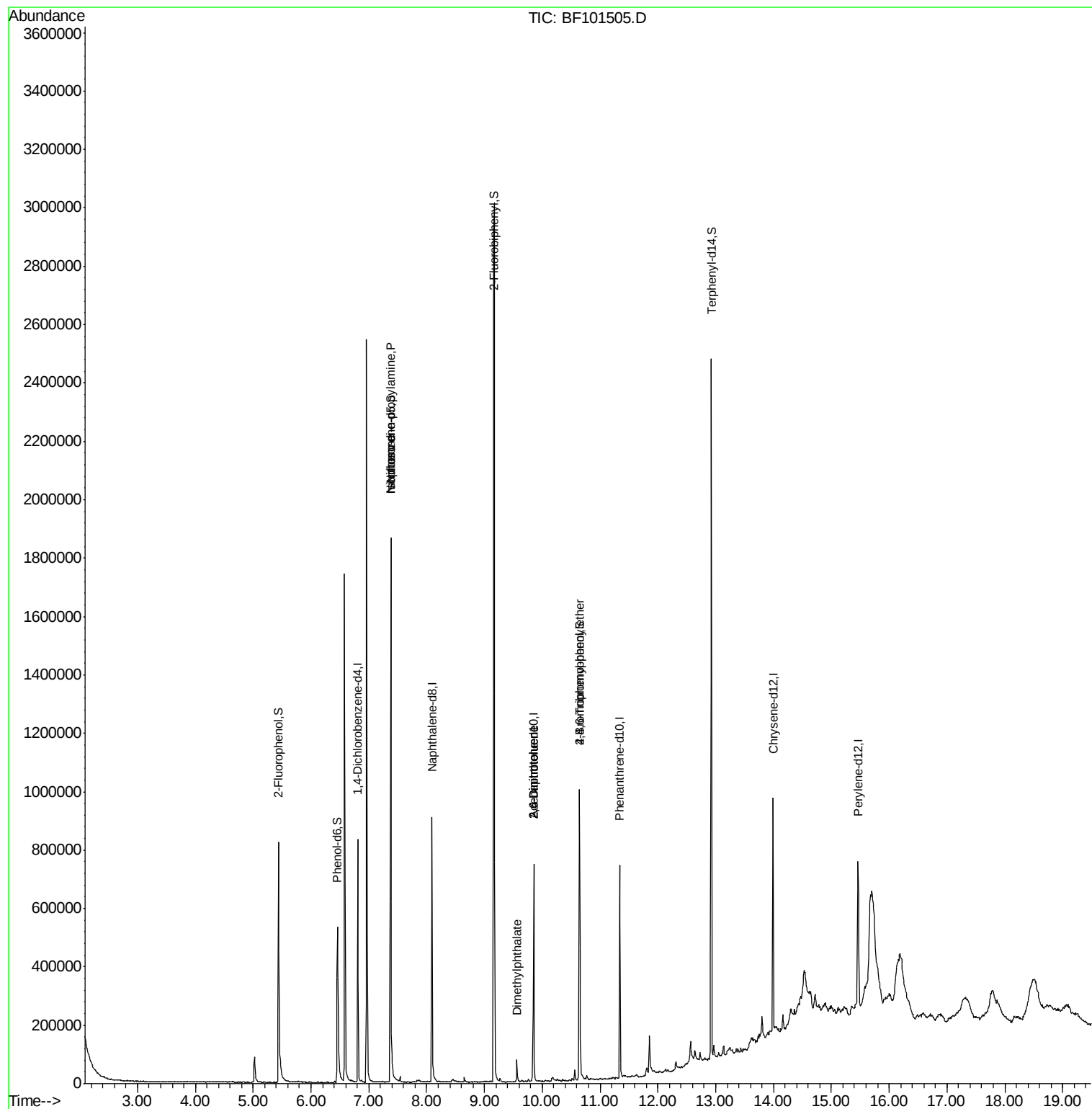
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	124095	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	437846	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	160055	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	269312	20.00	ng	0.00
75) Chrysene-d12	13.99	240	285042	20.00	ng	0.00
86) Perylene-d12	15.46	264	262601	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	334285	40.13	ng	0.02
7) Phenol-d6	6.46	99	243252	23.46	ng	0.00
23) Nitrobenzene-d5	7.38	82	668316	84.97	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	129270	83.82	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1069313	103.64	ng	0.00
78) Terphenyl-d14	12.92	244	873638	73.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	86257	12.67	ng	# 81
25) Isophorone	7.38	82	668311	42.35	ng	# 64
49) Dimethylphthalate	9.56	163	29685	2.31	ng	99
50) 2,6-Dinitrotoluene	9.85	165	20643	7.89	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	20643	7.00	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	7846	2.59	ng	# 1

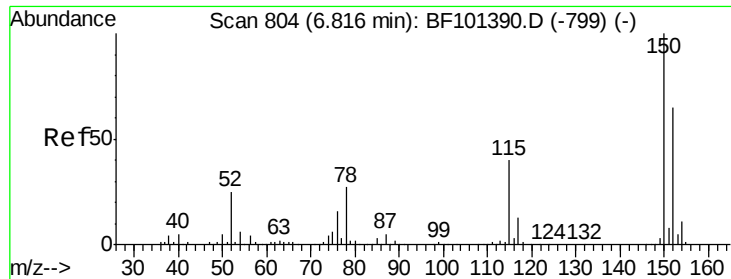
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

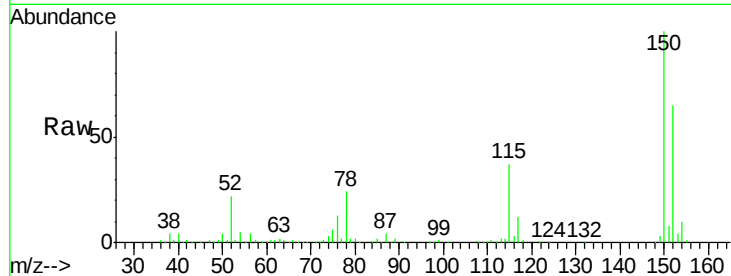
Tot Ion:152 Resp: 124095

Ion Ratio Lower Upper

152 100

150 154.9 124.6 186.8

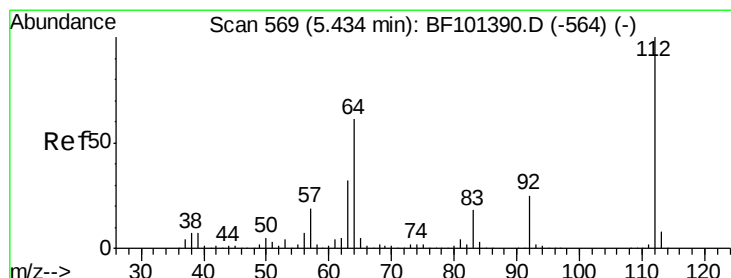
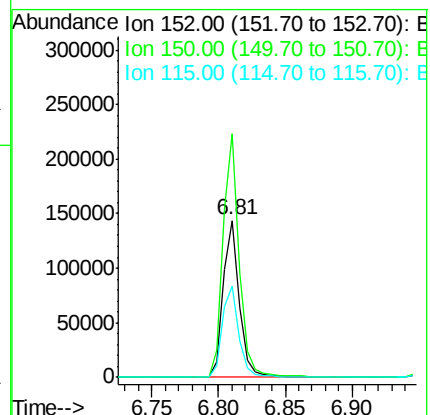
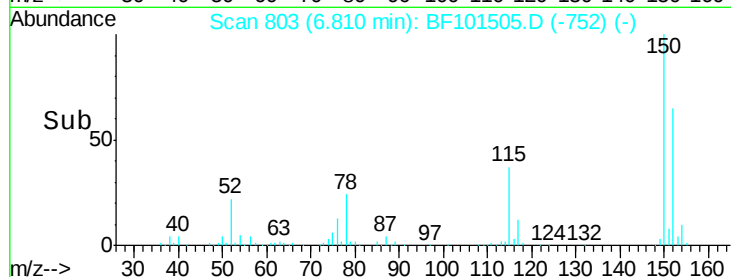
115 57.9 50.1 75.1



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: 40.13 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

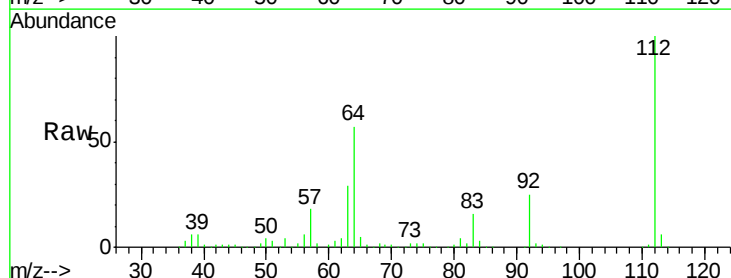
Tgt Ion:112 Resp: 334285

Ion Ratio Lower Upper

112 100

64 56.9 47.9 71.9

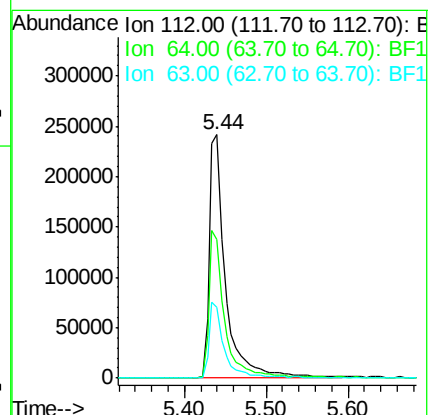
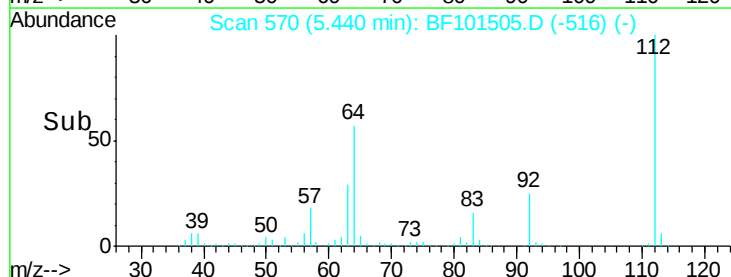
63 29.3 23.7 35.5

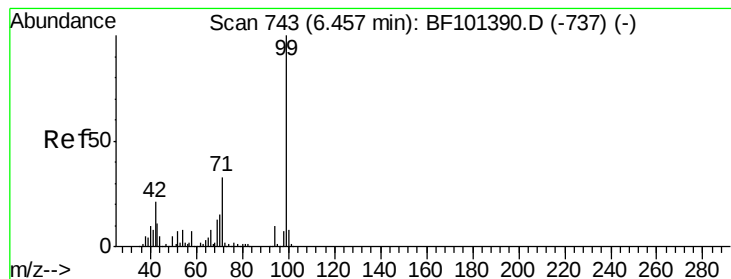


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.46 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

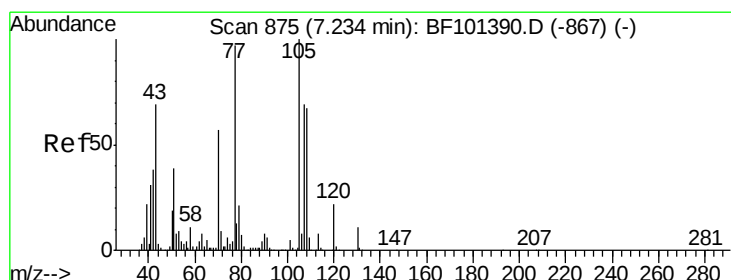
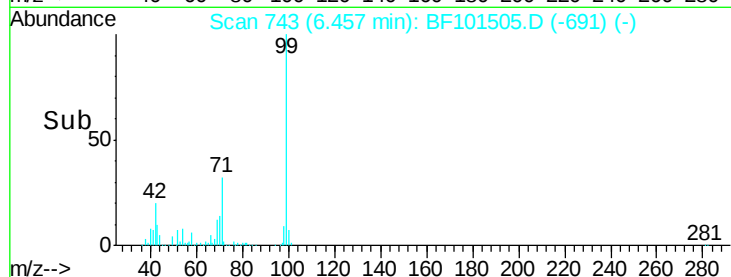
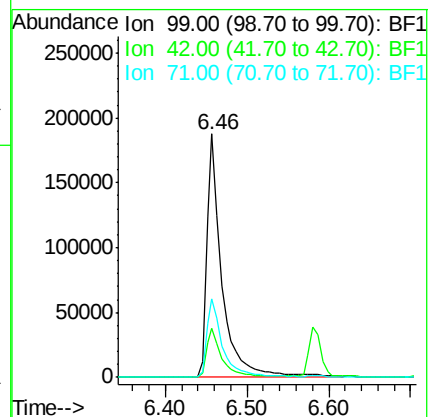
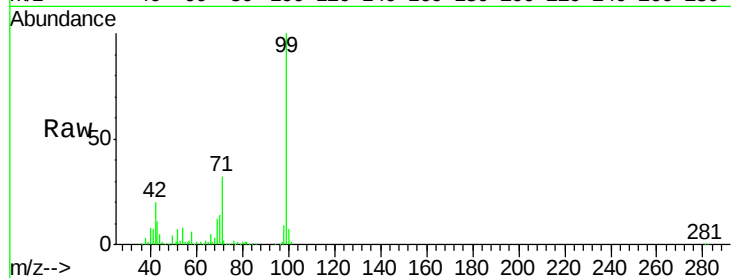
Tot Ion: 99 Resp: 243252

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.67 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Tgt Ion: 70 Resp: 86257

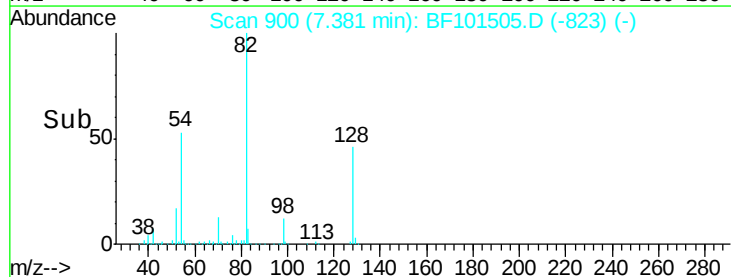
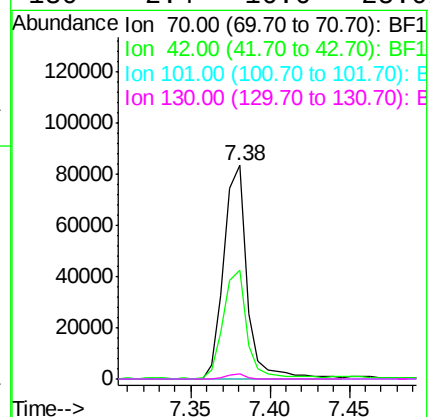
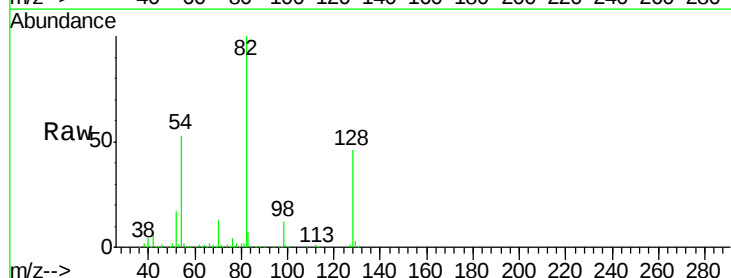
Ion Ratio Lower Upper

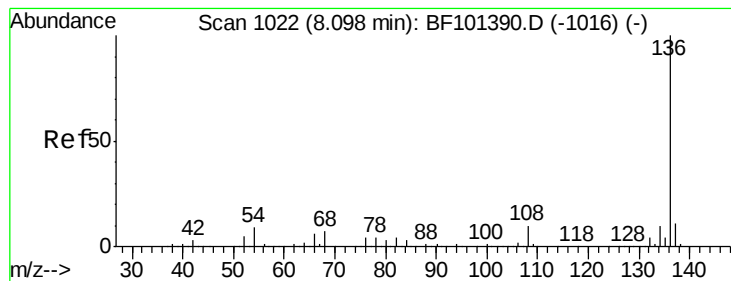
70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

Tot Ion:136 Resp: 437846

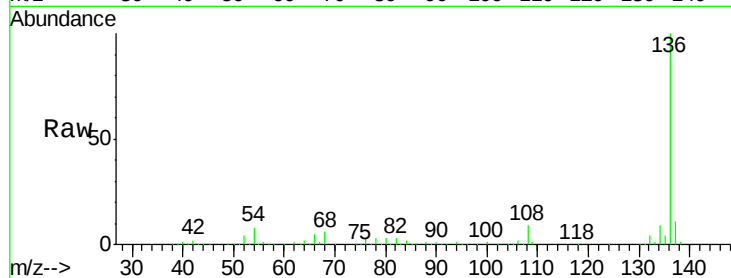
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.3 6.6 9.8

68 6.3 5.0 7.4

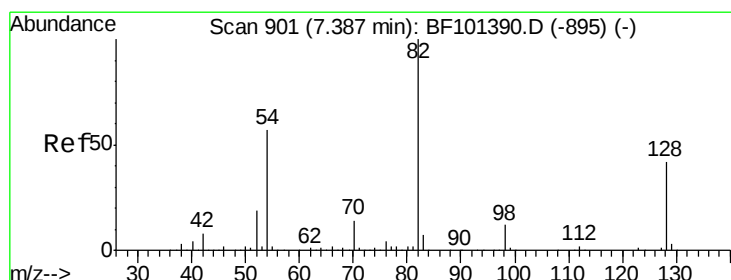
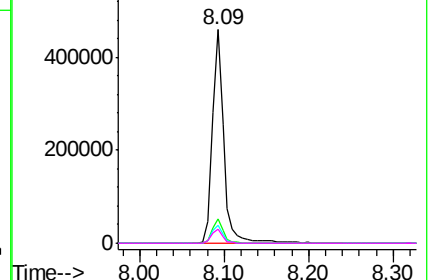
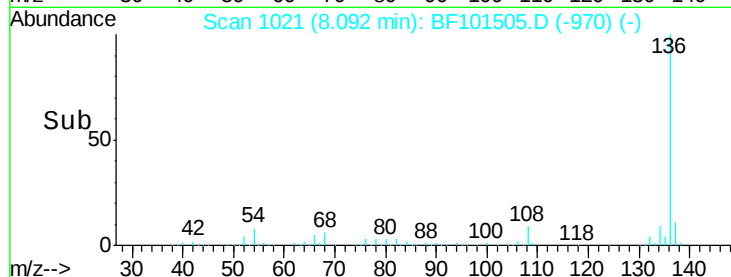


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.97 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

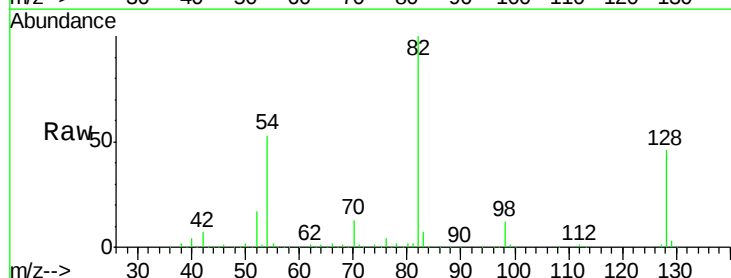
Tgt Ion: 82 Resp: 668316

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

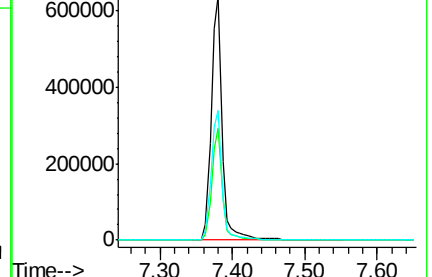
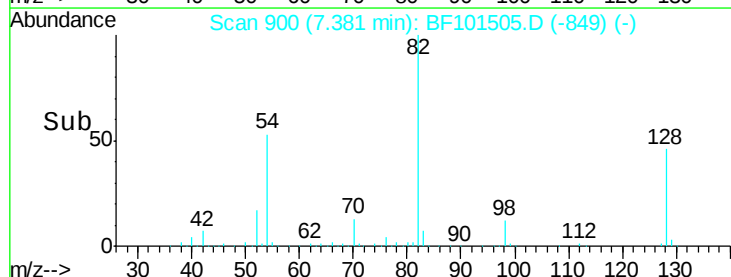
54 53.0 41.4 62.2

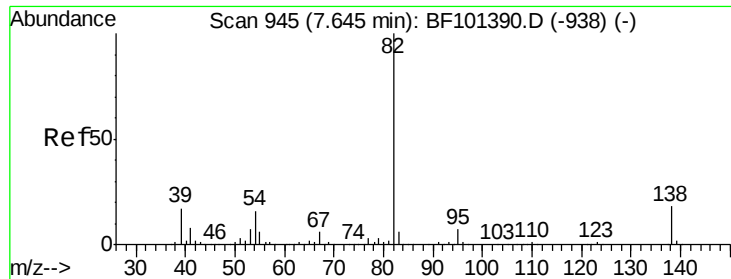


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.35 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

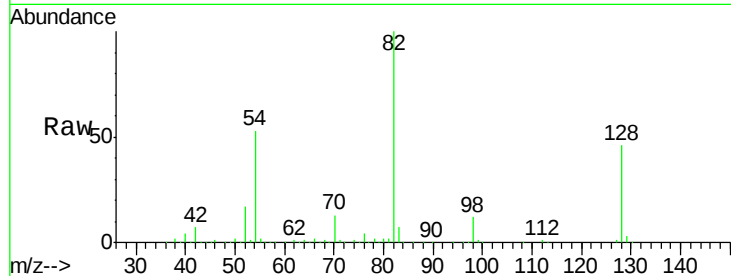
Tot Ion: 82 Resp: 668311

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

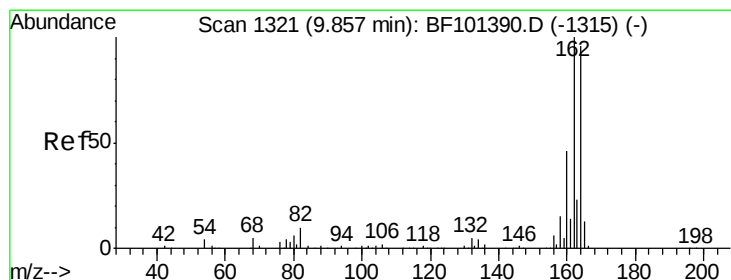
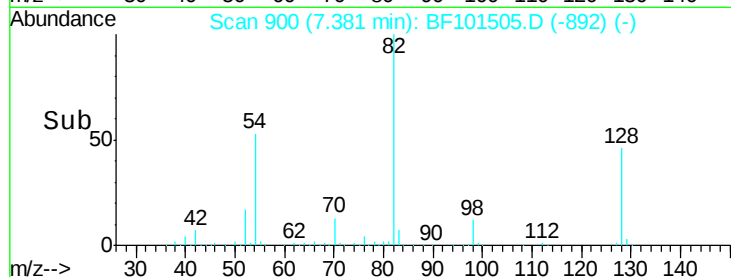
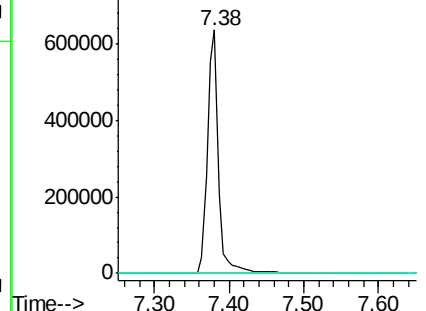
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

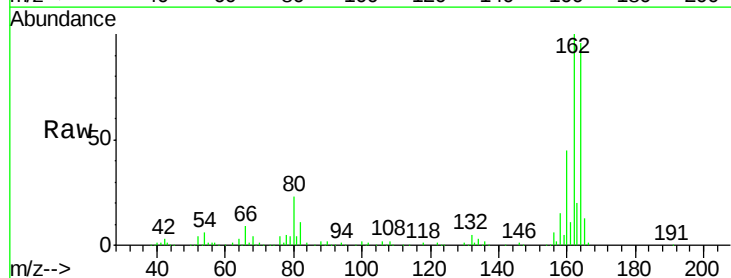
Tgt Ion: 164 Resp: 160055

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

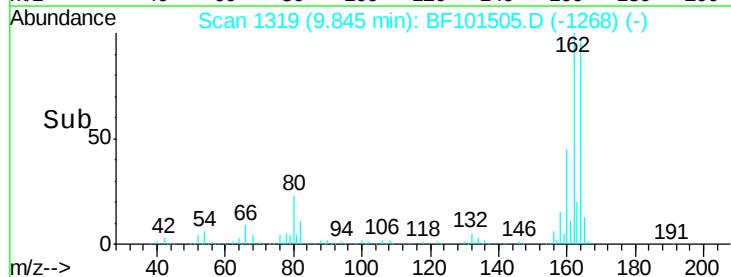
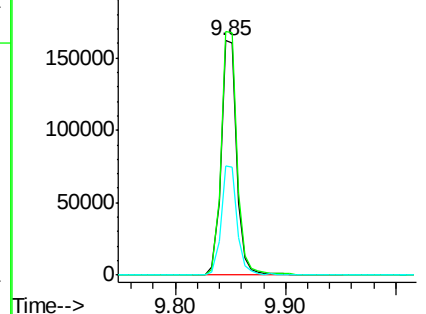
160 46.9 38.3 57.5

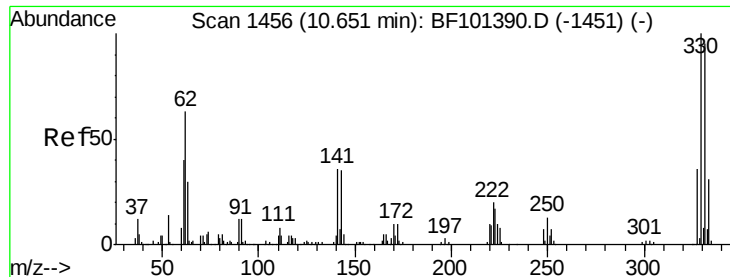


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

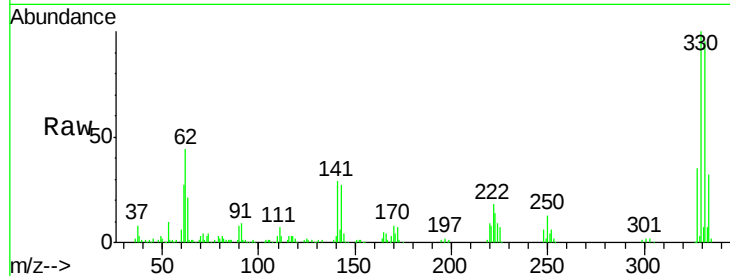




#41
 2,4,6-Tribromophenol
 Concen: 83.82 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101505.D
 Acq: 19 Dec 2017 3:50

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-U-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	32.8	29.9	44.9

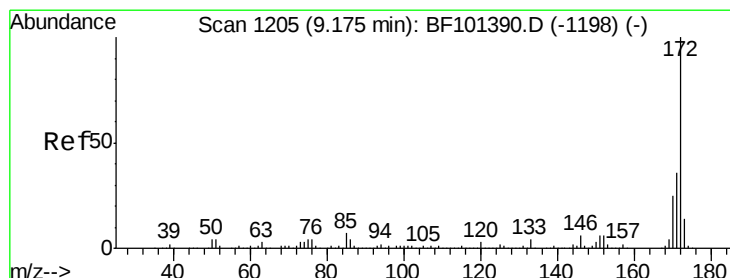
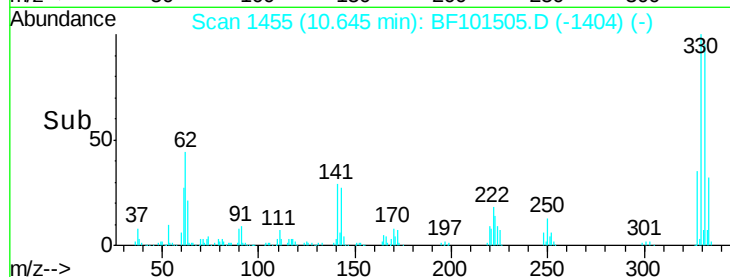
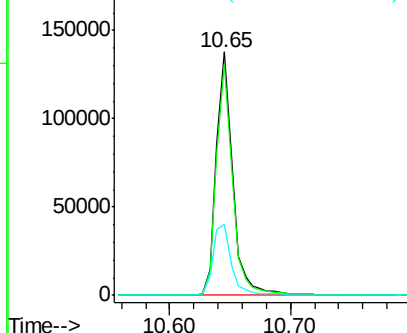


Abundance

Ion 329.80 (329.50 to 330.50): E

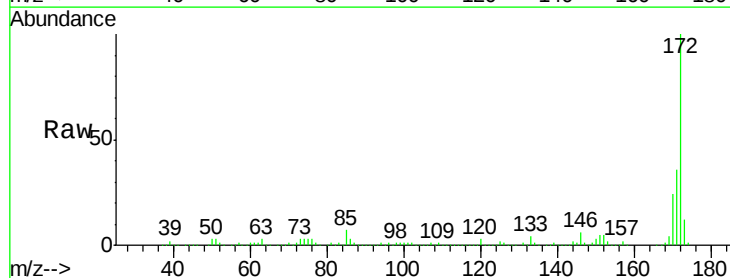
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 103.64 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101505.D
 Acq: 19 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.4	19.6	29.4

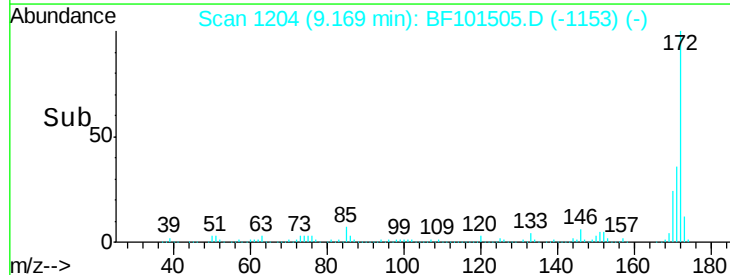
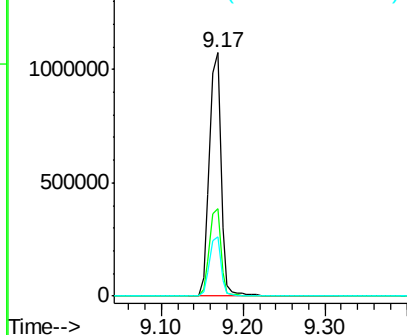


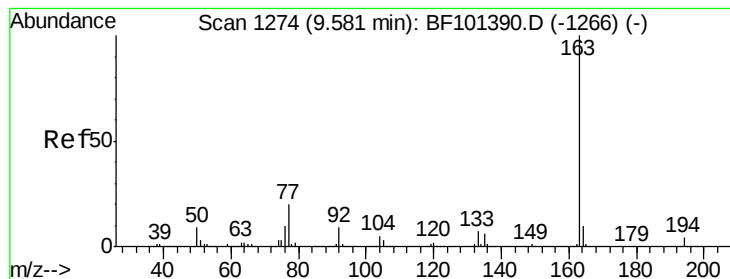
Abundance

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





#49

Dimethylphthalate

Concen: 2.31 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

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ClientSampleId :

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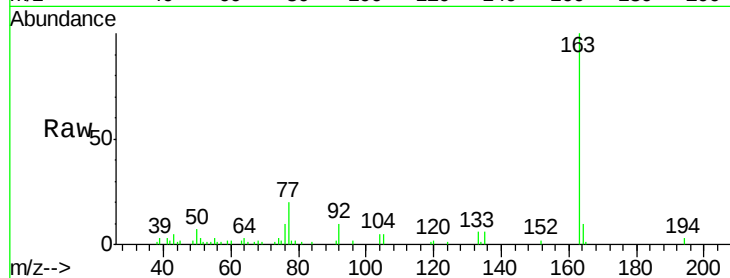
Tot Ion:163 Resp: 29685

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

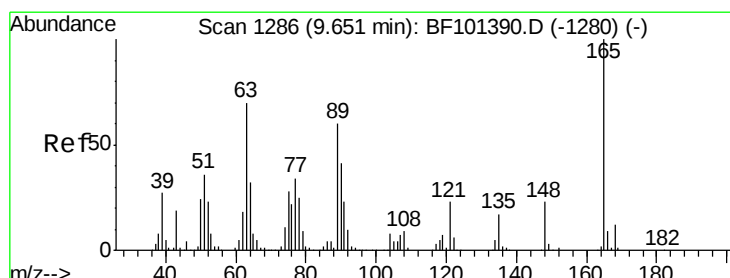
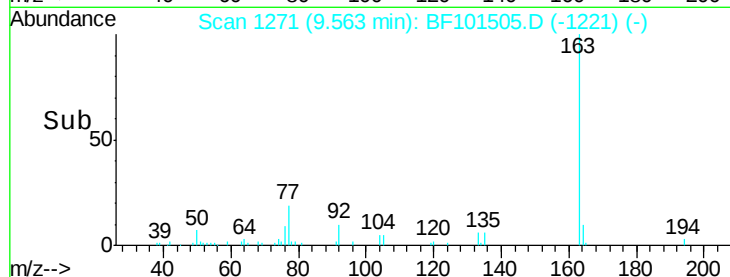
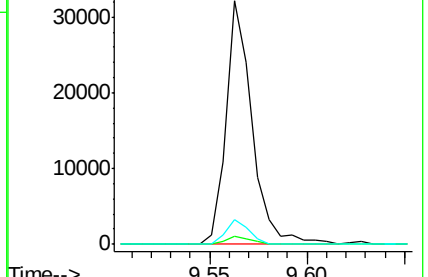
164 10.0 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

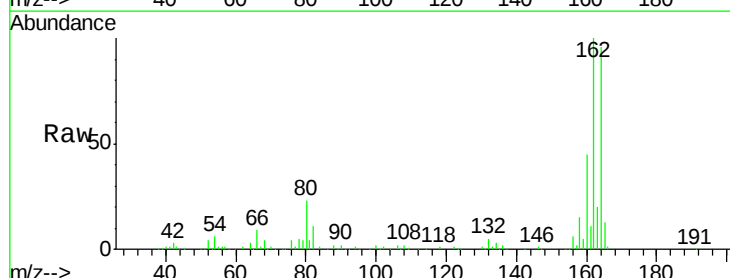
Tgt Ion:165 Resp: 20643

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

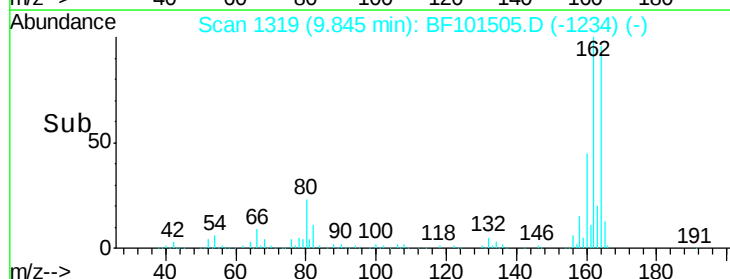
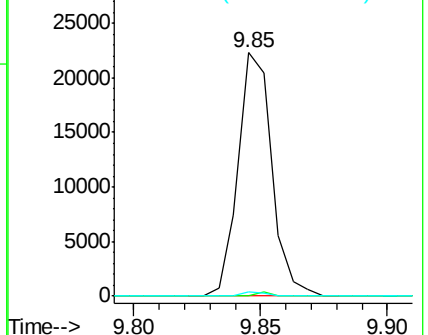
89 1.9 44.0 66.0#

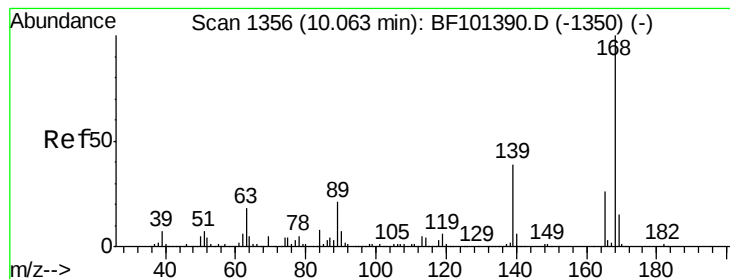


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 7.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

Tot Ion:165 Resp: 20643

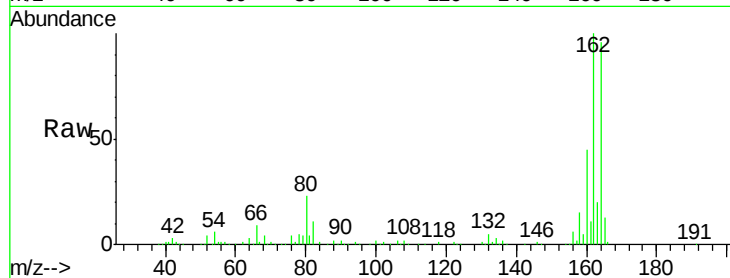
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

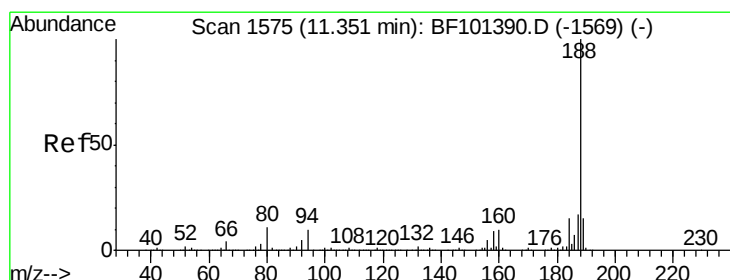
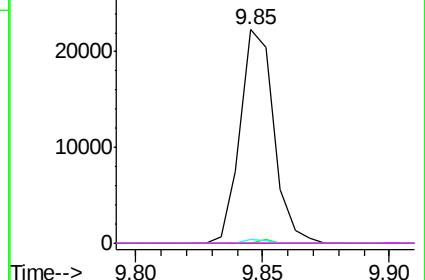
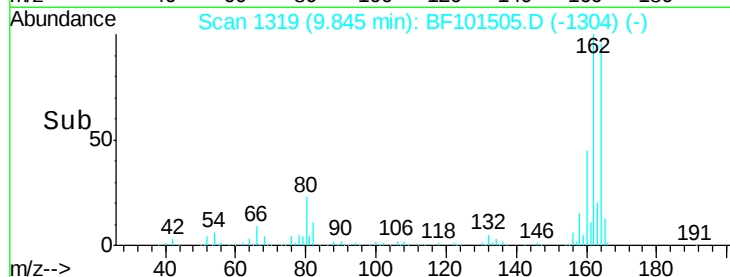


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

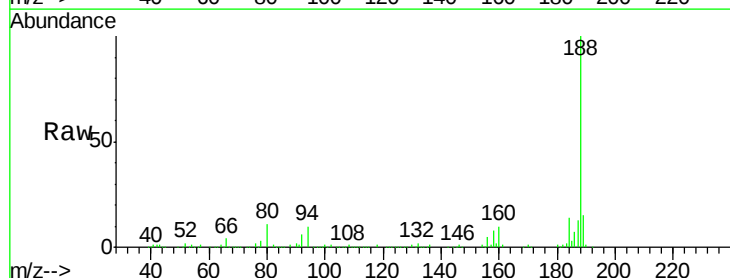
Tgt Ion:188 Resp: 269312

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

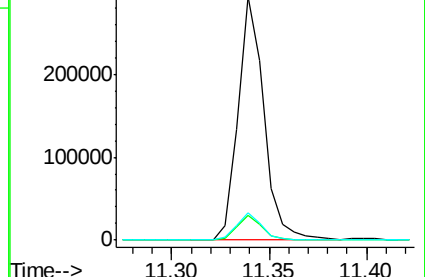
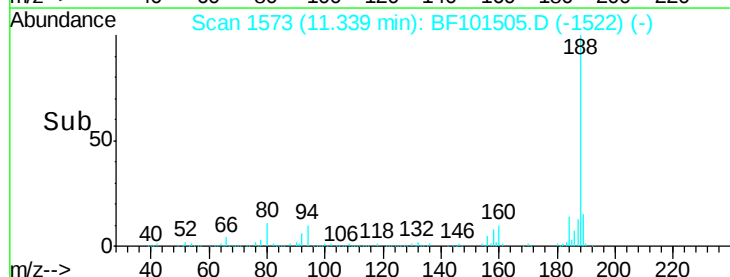
80 11.2 9.2 13.8

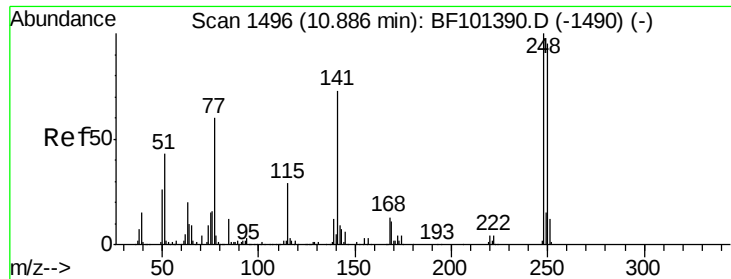


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

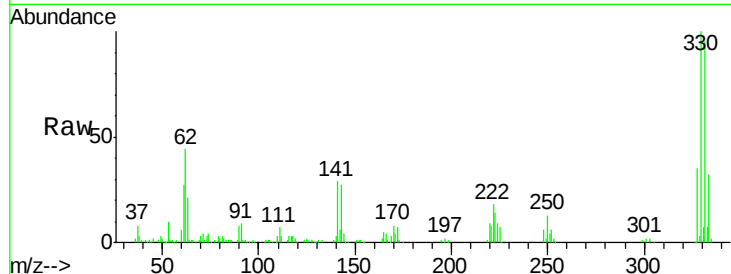




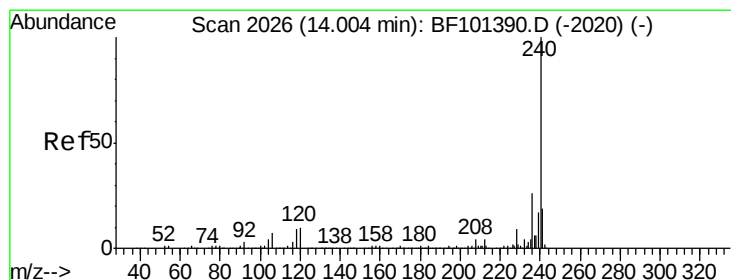
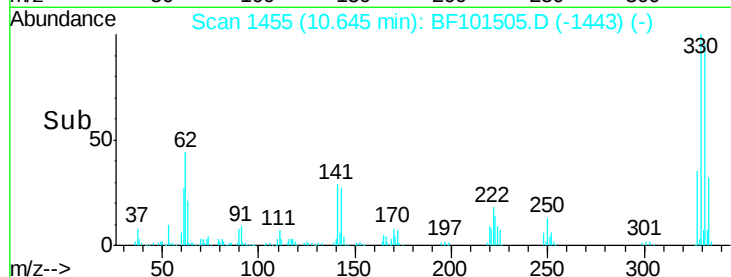
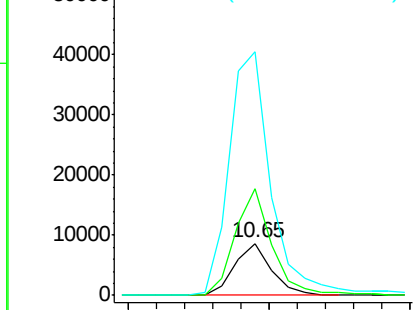
#66
4-Bromophenyl-phenylether
Concen: 2.59 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101505.D
Acq: 19 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-U-B

Tot Ion:248 Resp: 7846
Ion Ratio Lower Upper
248 100
250 205.7 76.9 115.3#
141 471.1 74.4 111.6#

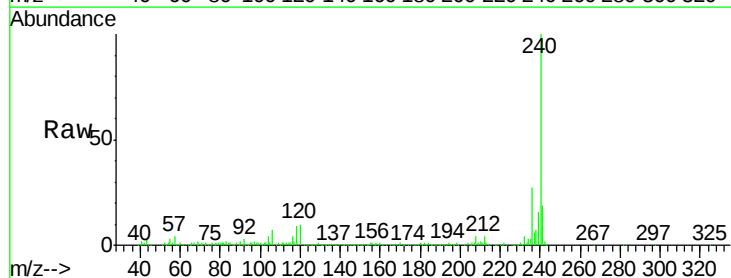


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

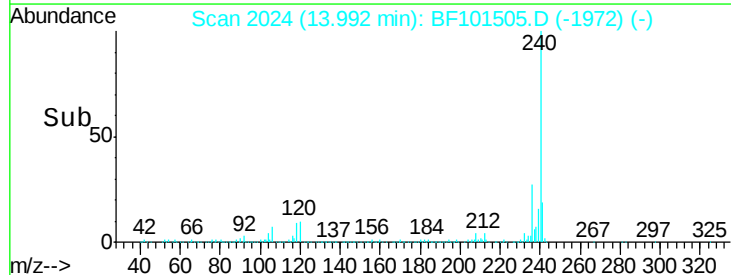
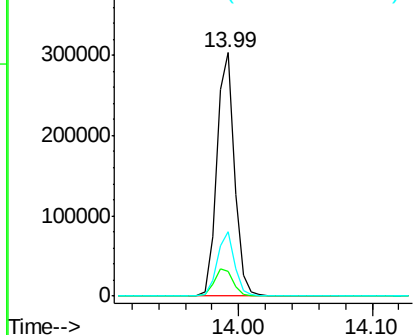


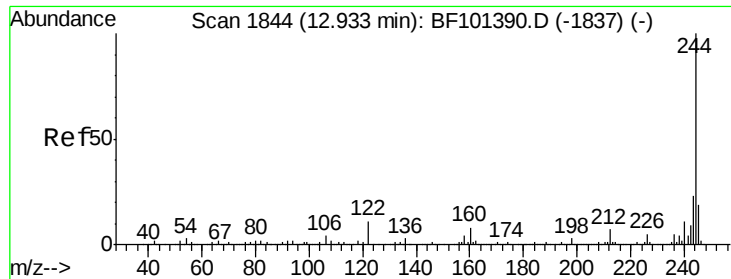
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101505.D
Acq: 19 Dec 2017 3:50

Tgt Ion:240 Resp: 285042
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 26.7 20.7 31.1



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





#78

Terphenyl-d14

Concen: 73.89 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-U-B

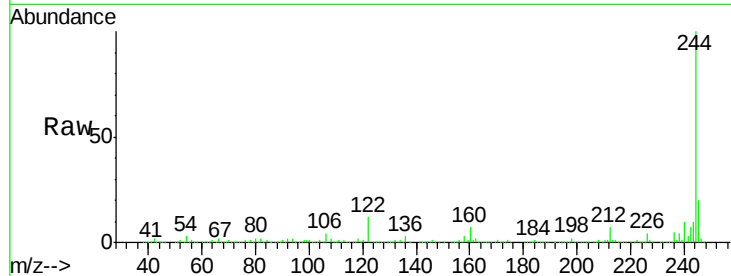
Tot Ion:244 Resp: 873638

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

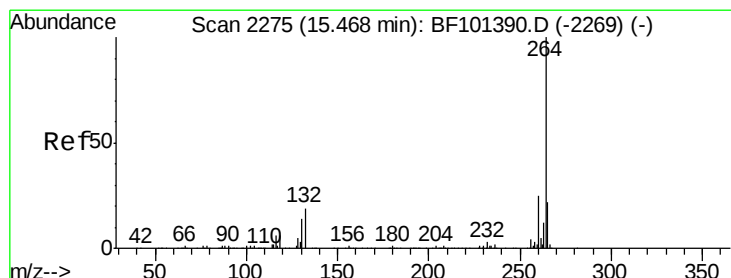
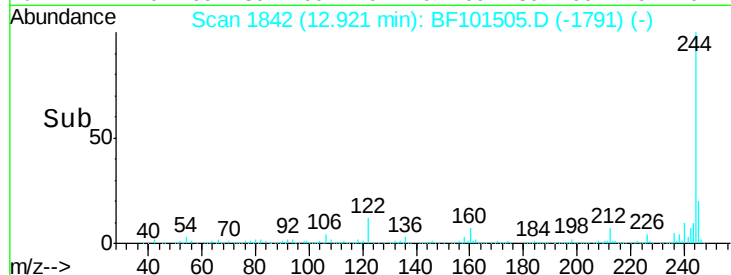
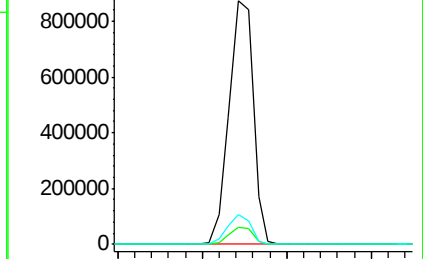
122 12.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101505.D

Acq: 19 Dec 2017 3:50

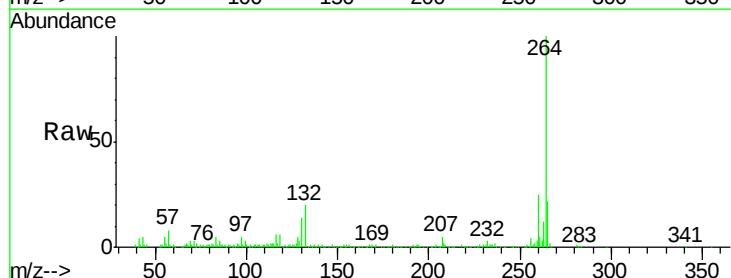
Tgt Ion:264 Resp: 262601

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.4 17.5 26.3



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

