

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101790.D
 Acq On : 28 Dec 2017 4:57
 Operator : SJ/JU
 Sample : I7077-04 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 06:30:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

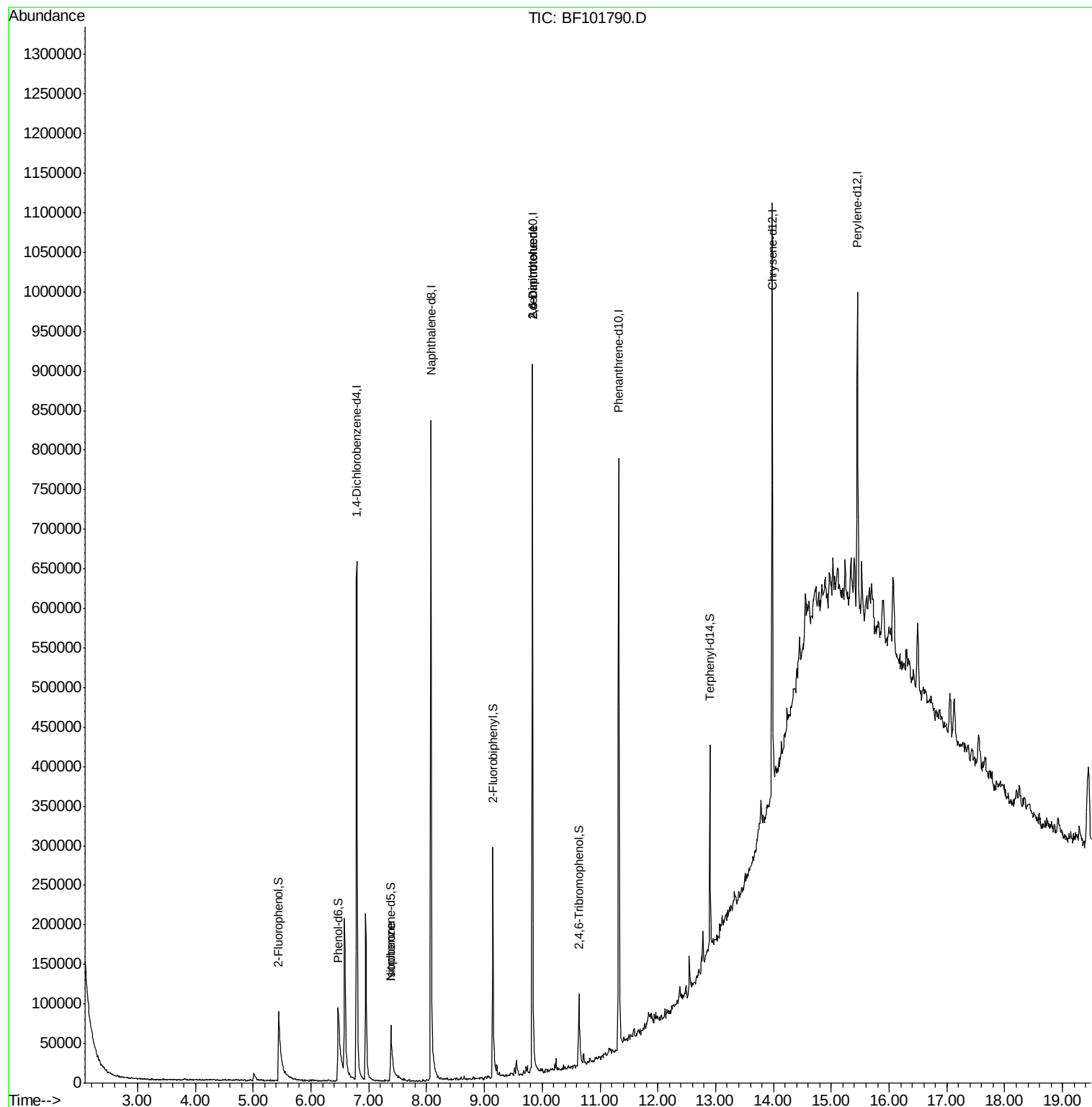
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	127845	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	481723	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	183419	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	284910	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272216	20.00	ng	0.00
86) Perylene-d12	15.45	264	212377	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	84386	9.83	ng	0.04
7) Phenol-d6	6.47	99	114432	10.71	ng	0.04
23) Nitrobenzene-d5	7.38	82	64918	7.50	ng	0.02
41) 2,4,6-Tribromophenol	10.64	330	16189	9.16	ng	0.02
44) 2-Fluorobiphenyl	9.15	172	117271	9.92	ng	0.00
78) Terphenyl-d14	12.90	244	87036	7.71	ng	0.00
Target Compounds						
25) Isophorone	7.38	82	64918	3.739	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	23049	7.687	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	23049	6.822	ng	# 23

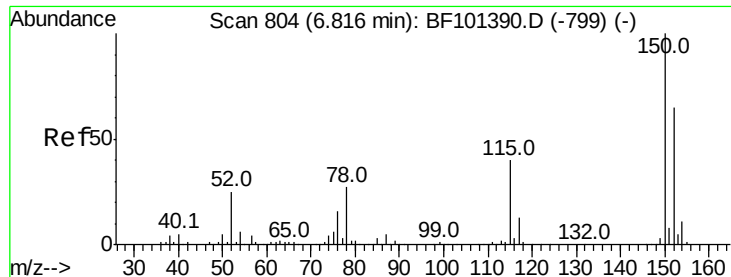
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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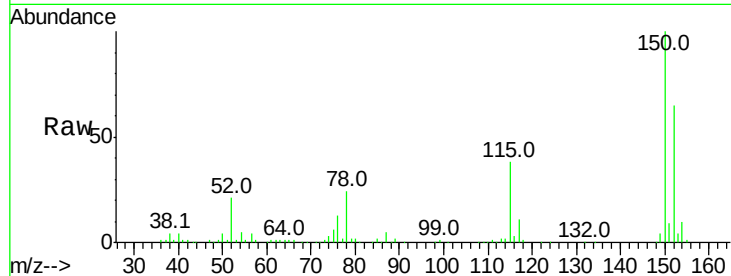


#1

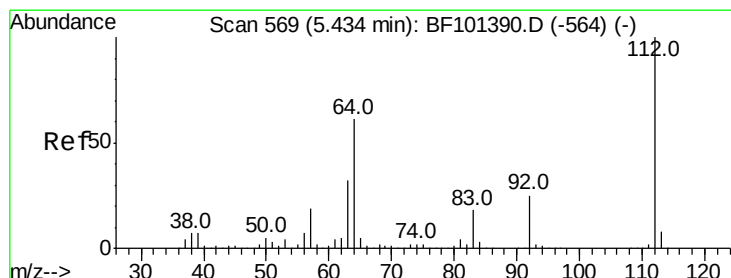
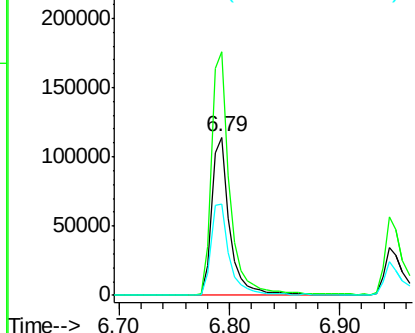
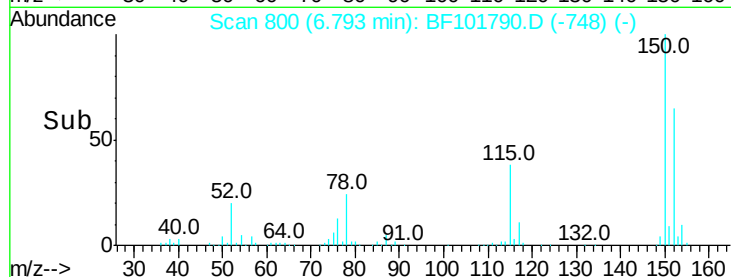
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101790.D
Acq: 28 Dec 2017 4:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 127845
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 58.0 50.1 75.1



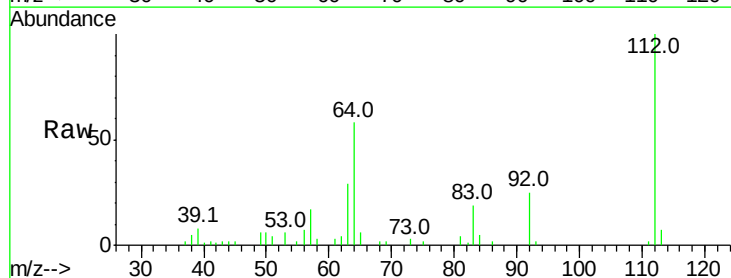
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



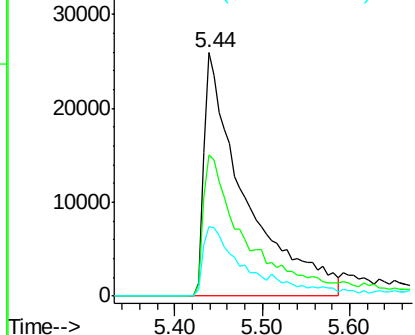
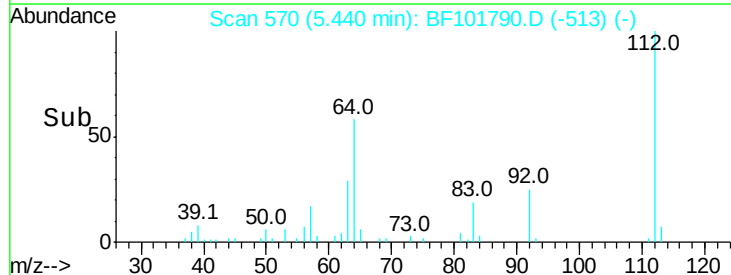
#5

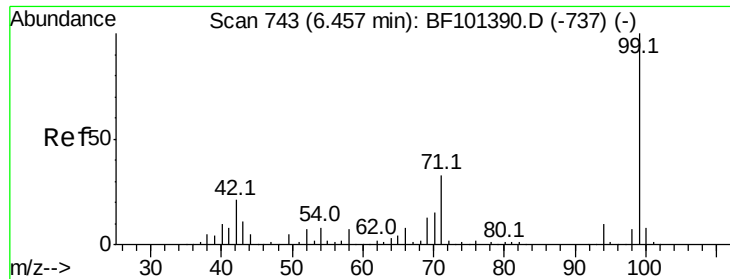
2-Fluorophenol
Concen: 9.832 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.04 min
Lab File: BF101790.D
Acq: 28 Dec 2017 4:57

Tgt Ion:112 Resp: 84386
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 28.5 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: 10.713 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.04 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Instrument :

BNA_F

ClientSampleId :

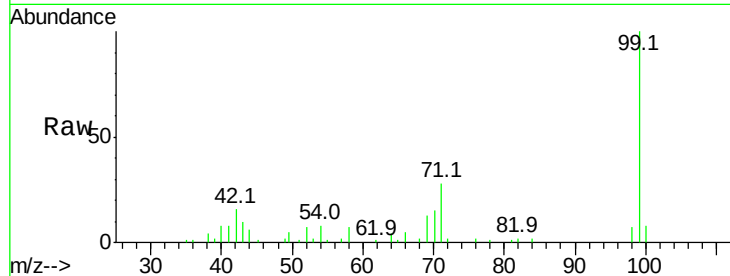
Tot Ion: 99 Resp: 114432

Ion Ratio Lower Upper

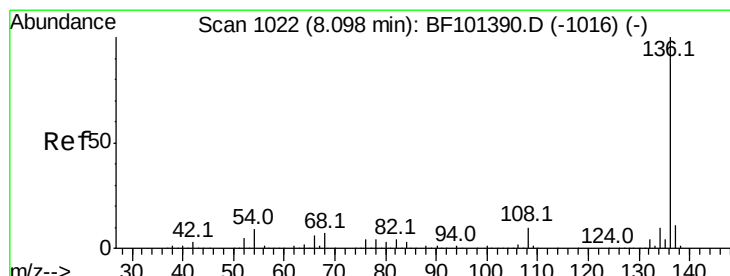
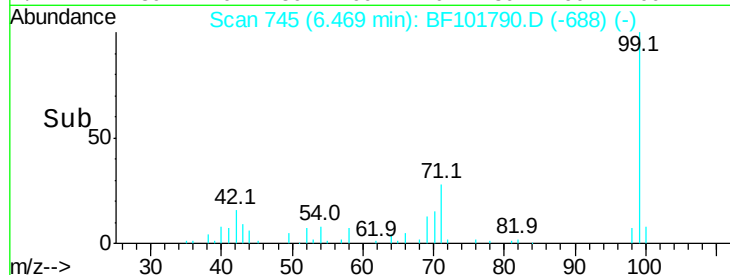
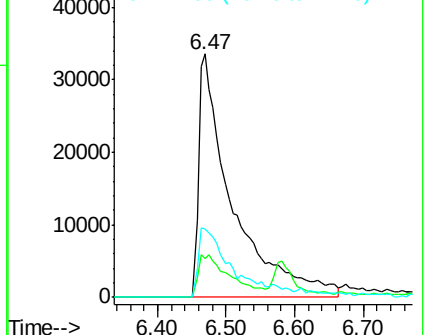
99 100

42 16.0 14.5 21.7

71 28.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Tgt Ion: 136 Resp: 481723

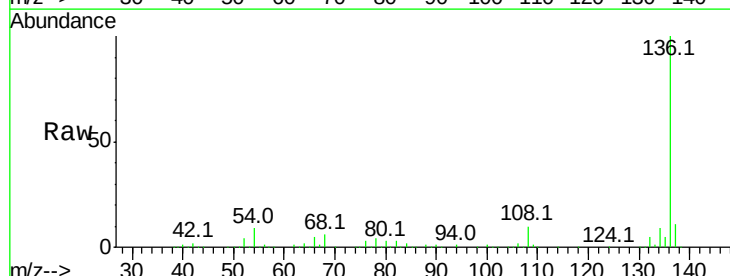
Ion Ratio Lower Upper

136 100

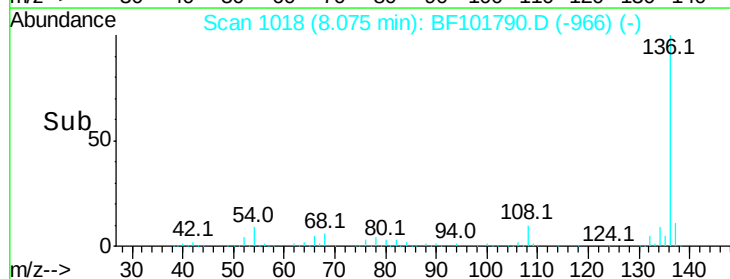
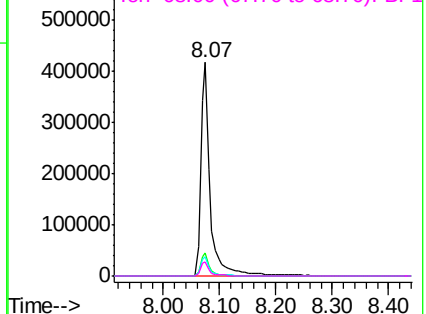
137 11.1 8.9 13.3

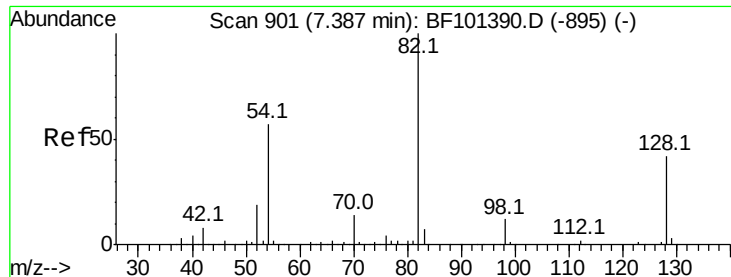
54 8.7 6.6 9.8

68 6.5 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: 7.502 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Instrument :

BNA_F

ClientSampleId :

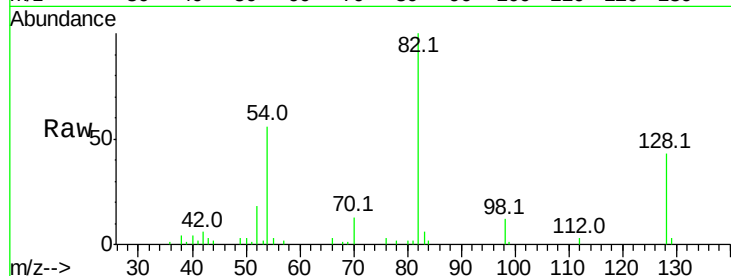
Tot Ion: 82 Resp: 64918

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

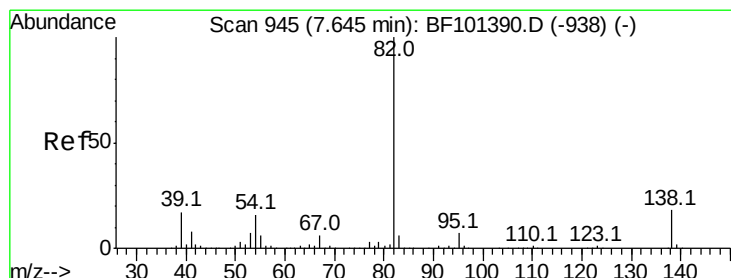
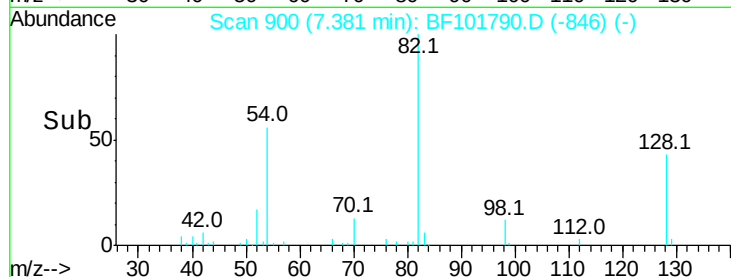
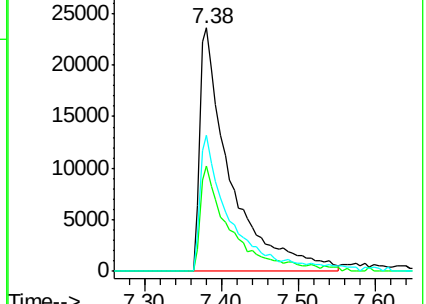
54 55.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 3.739 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.24 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

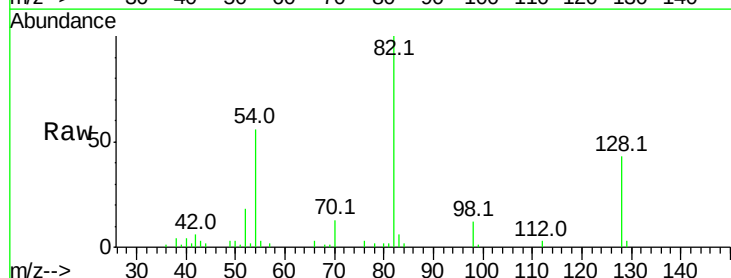
Tgt Ion: 82 Resp: 64918

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

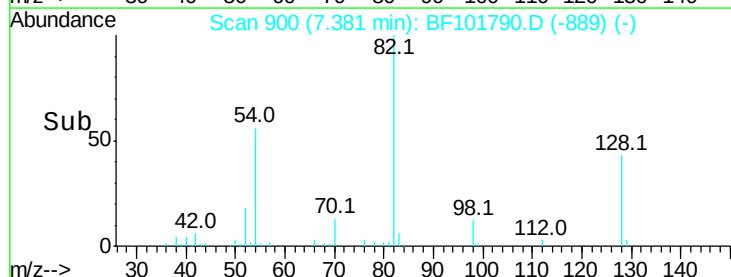
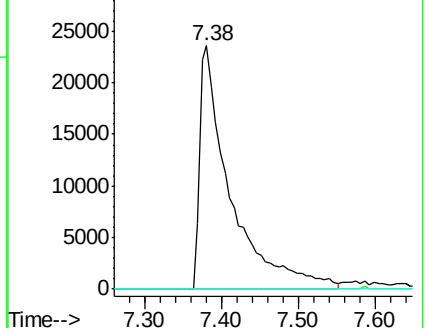
138 0.0 14.9 22.3#

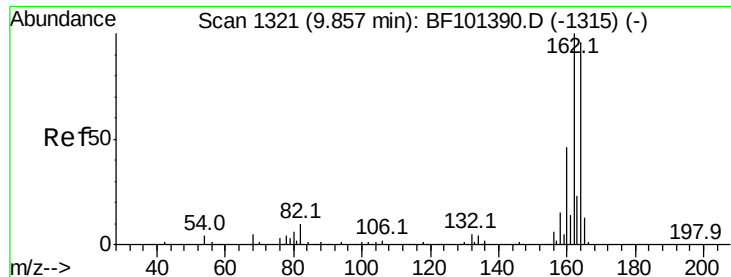


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Instrument :

BNA_F

ClientSampled :

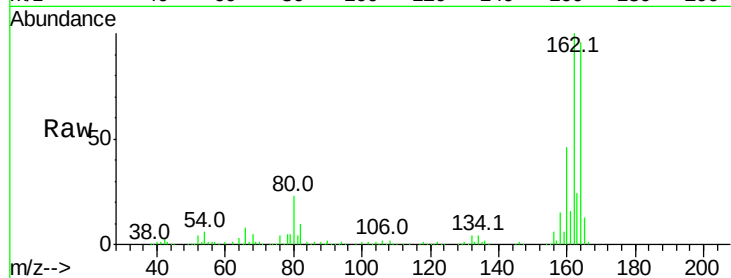
Tot Ion:164 Resp: 183419

Ion Ratio Lower Upper

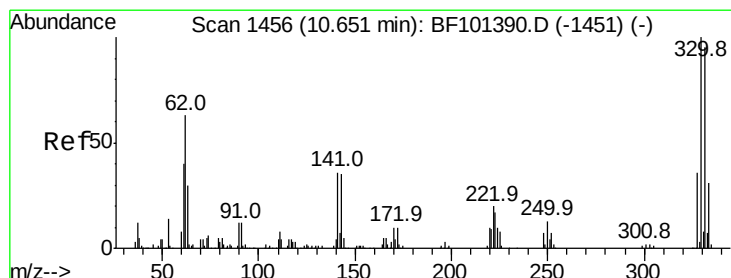
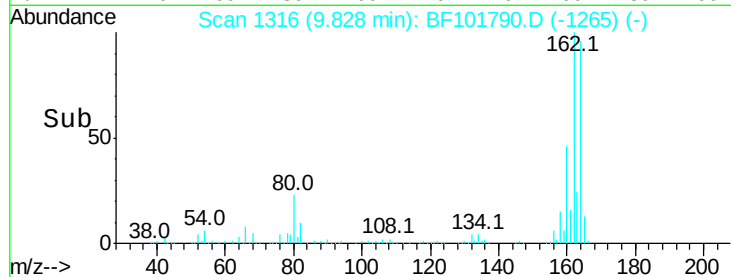
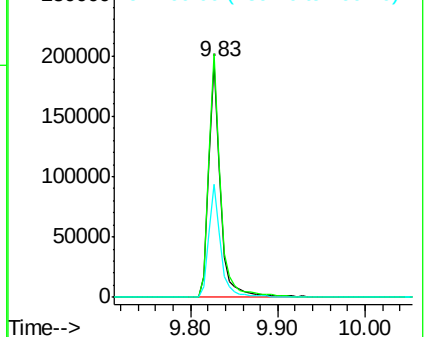
164 100

162 103.7 86.1 129.1

160 48.0 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: 9.160 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.02 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

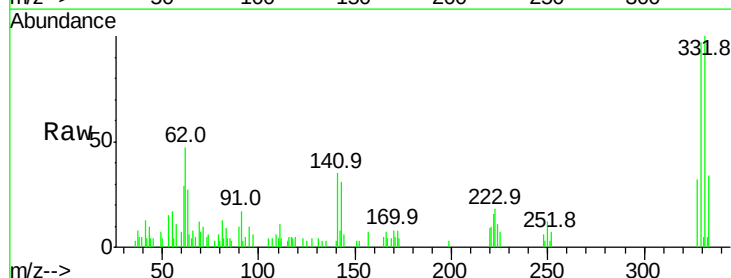
Tgt Ion:330 Resp: 16189

Ion Ratio Lower Upper

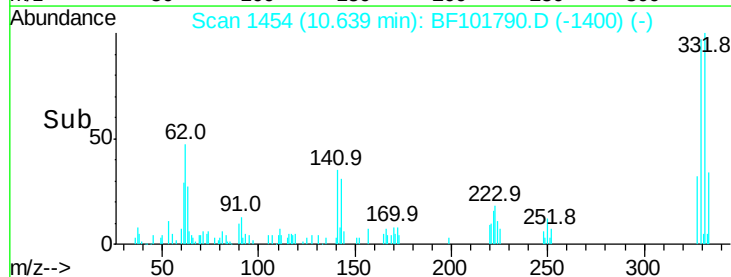
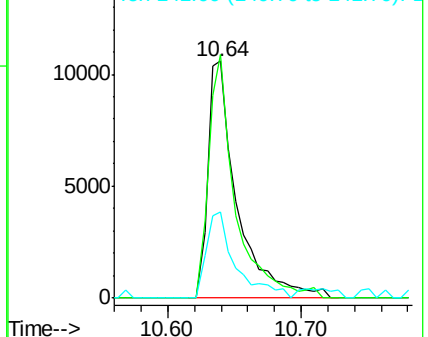
330 100

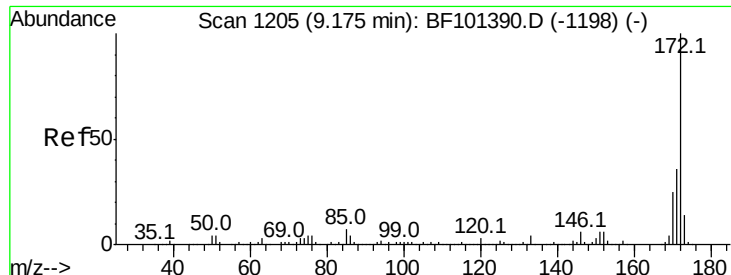
332 94.2 77.0 115.6

141 36.1 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

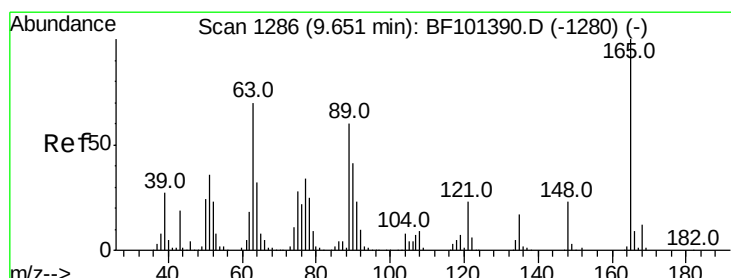
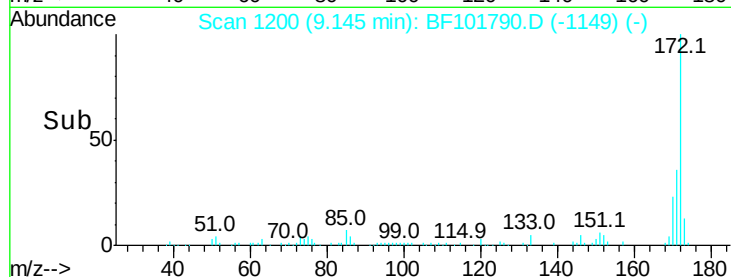
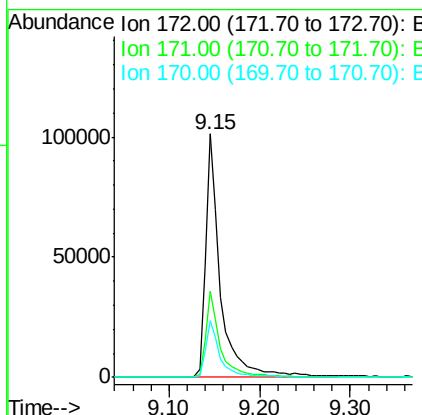
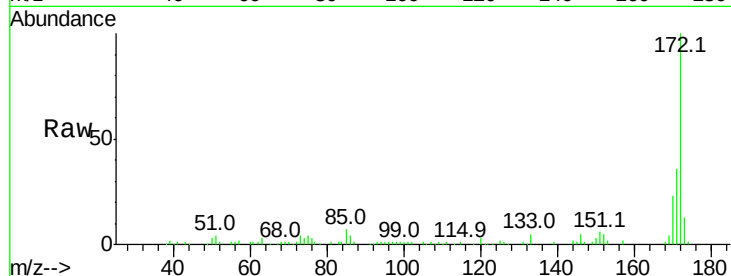




#44
 2-Fluorobiphenyl
 Concen: 9.918 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101790.D
 Acq: 28 Dec 2017 4:57

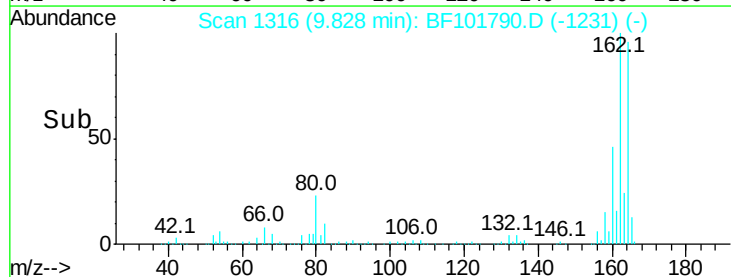
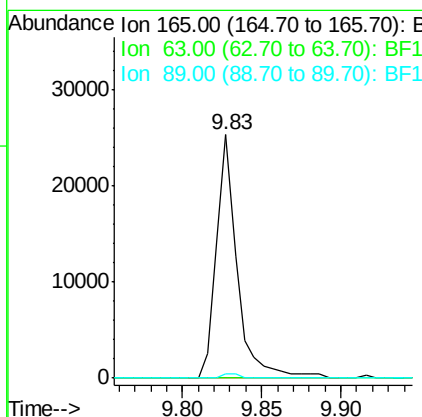
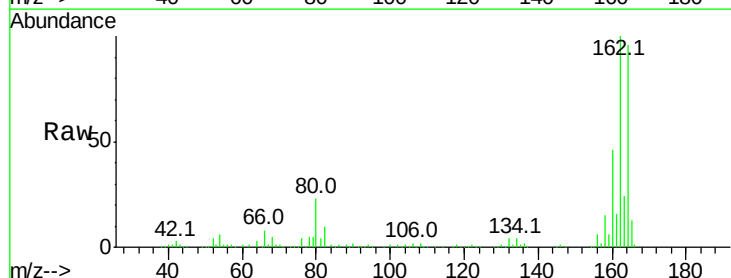
Instrument :
 BNA_F
 ClientSampleId :

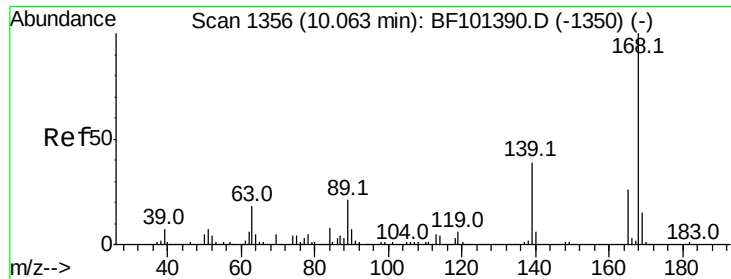
Tot Ion:172 Resp: 117271
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.5 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.687 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF101790.D
 Acq: 28 Dec 2017 4:57

Tgt Ion:165 Resp: 23049
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 2.0 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 6.822 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23049

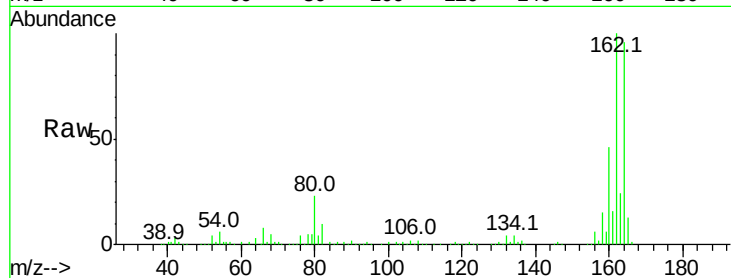
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

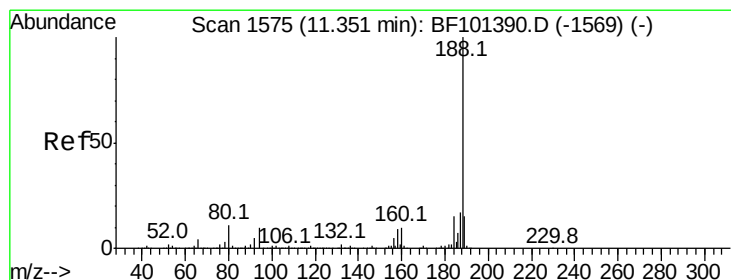
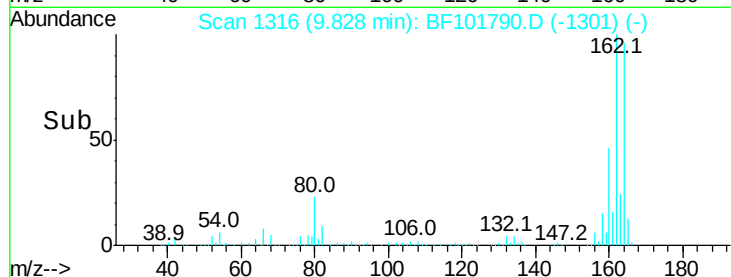
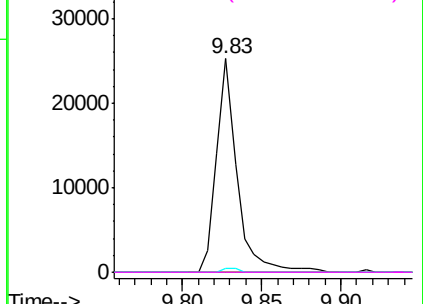


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

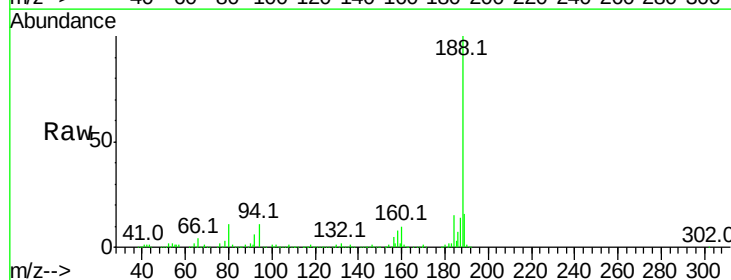
Tgt Ion:188 Resp: 284910

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

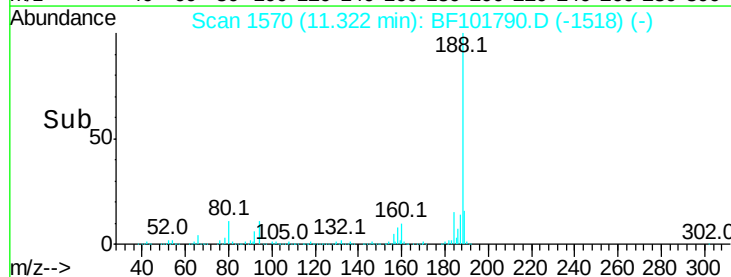
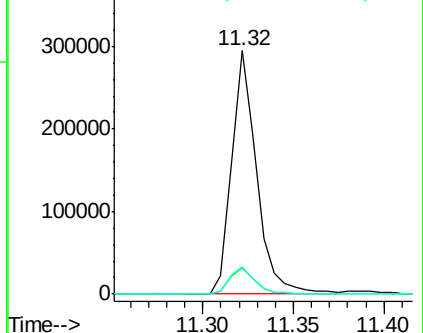
80 11.2 9.2 13.8

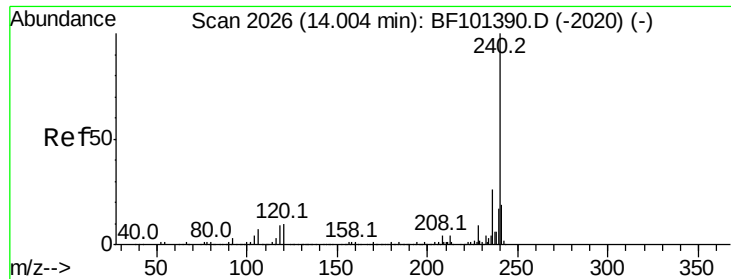


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

Instrument :

BNA_F

ClientSampleId :

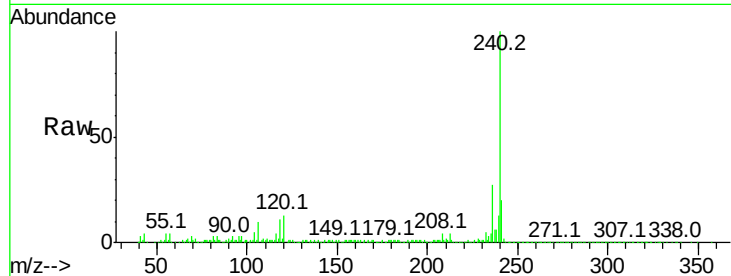
Tot Ion:240 Resp: 272216

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

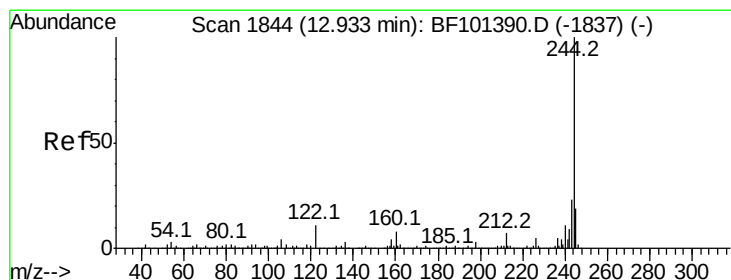
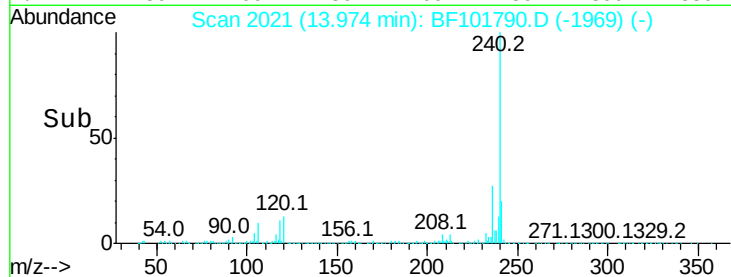
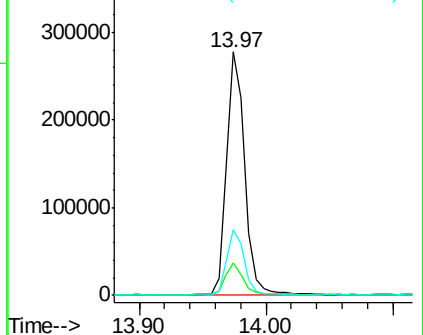
236 26.7 20.7 31.1



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: 7.708 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101790.D

Acq: 28 Dec 2017 4:57

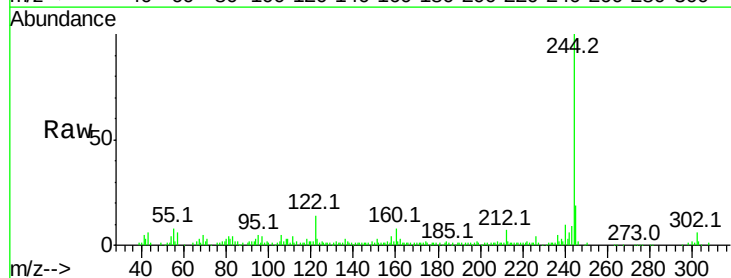
Tgt Ion:244 Resp: 87036

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

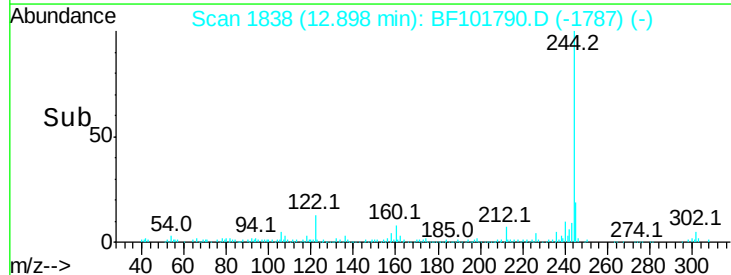
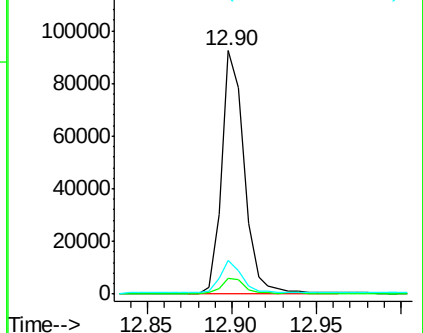
122 13.7 11.0 16.4

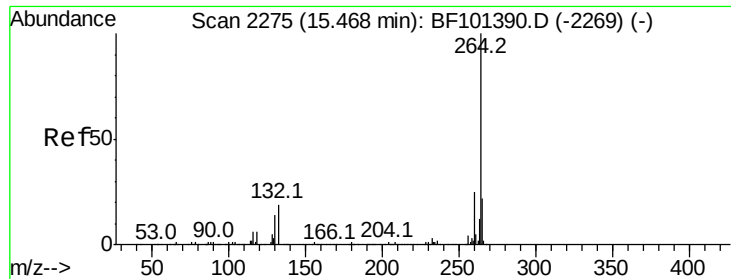


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

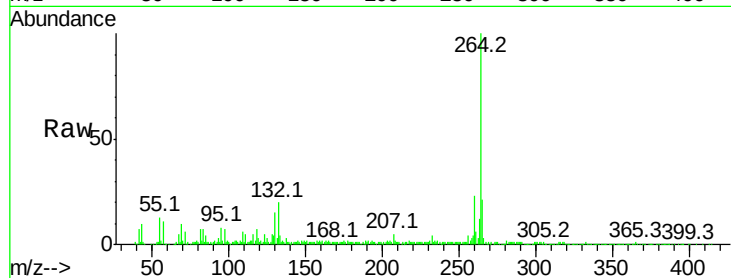




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101790.D
Acq: 28 Dec 2017 4:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.4	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

