

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101763.D
 Acq On : 27 Dec 2017 15:40
 Operator : SJ/JU
 Sample : PB105361BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:03:14 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

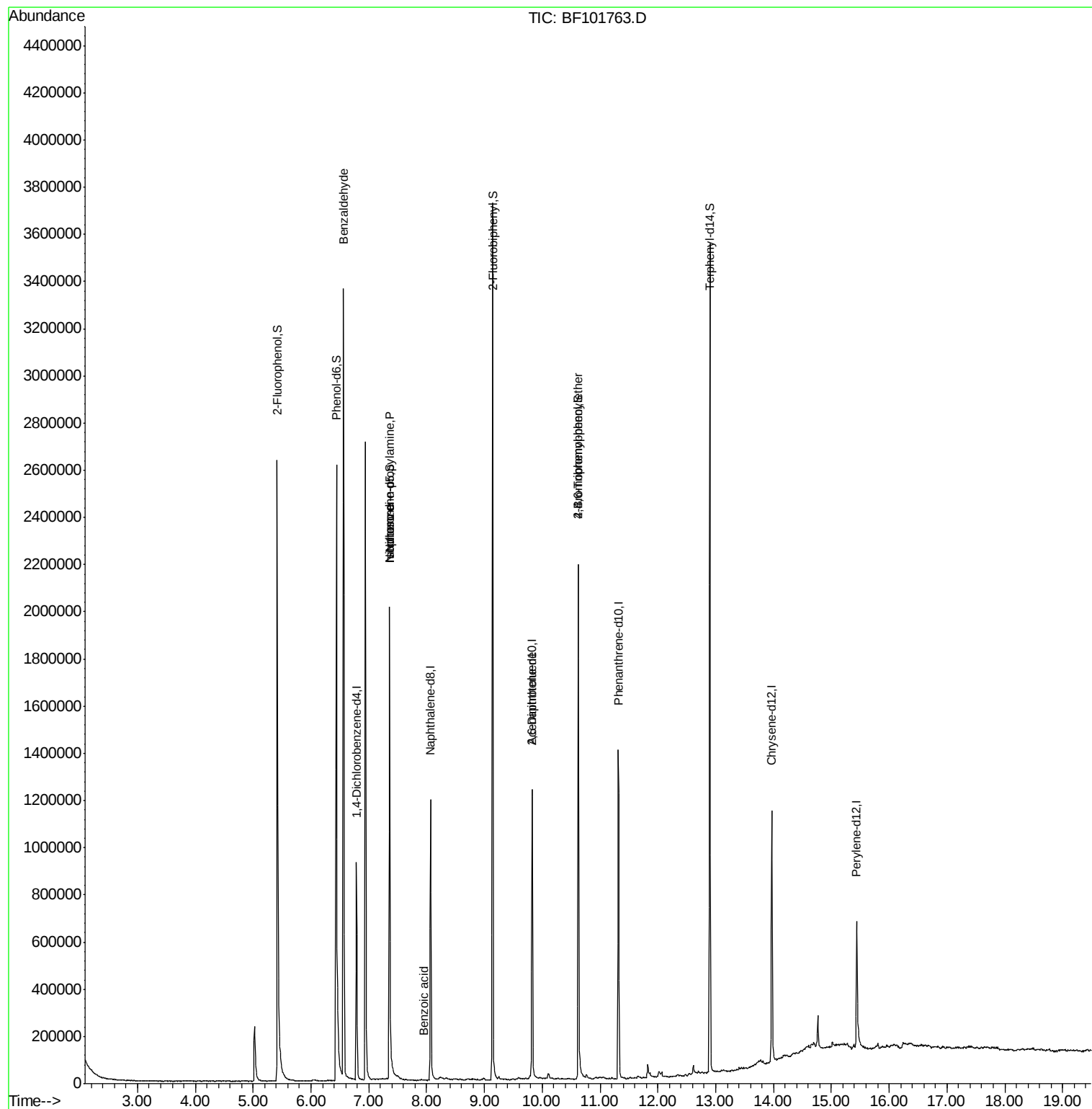
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	144661	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	582722	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	273473	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	543416	20.00	ng	0.00
75) Chrysene-d12	13.97	240	413043	20.00	ng	0.00
86) Perylene-d12	15.44	264	312175	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1047391	107.85	ng	0.01
7) Phenol-d6	6.44	99	1261905	104.41	ng	0.00
23) Nitrobenzene-d5	7.36	82	790408	75.51	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	311499	118.21	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1373948	77.94	ng	0.00
78) Terphenyl-d14	12.90	244	1395614	81.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	20776	2.328	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	104267	13.136	ng	# 82
25) Isophorone	7.36	82	790453	37.641	ng	# 64
32) Benzoic acid	7.95	122	118	7.978	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	34209	7.652	ng	# 26
66) 4-Bromophenyl-phenylether	10.62	248	19495	3.193	ng	# 1

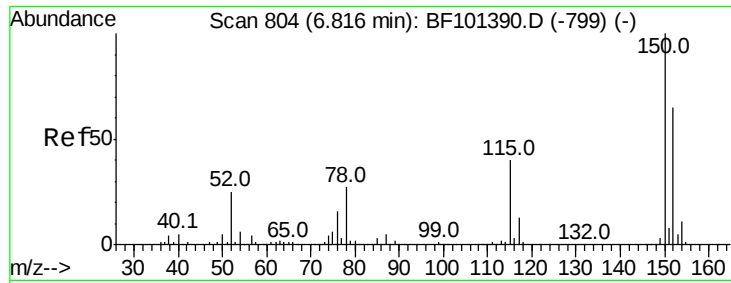
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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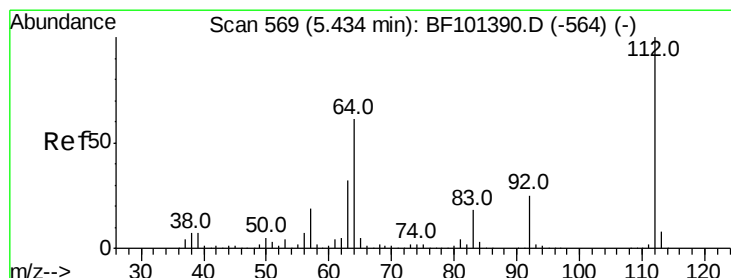
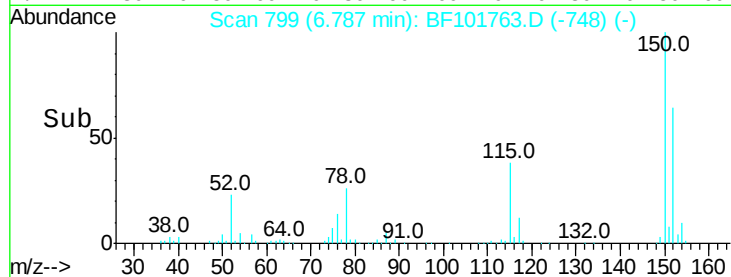
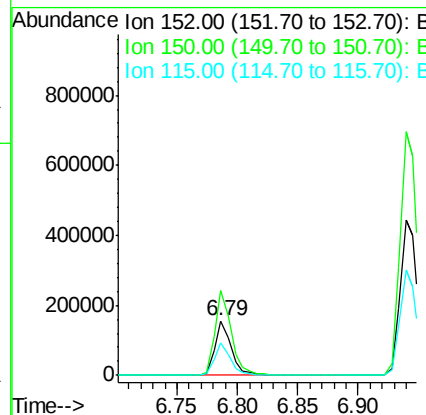
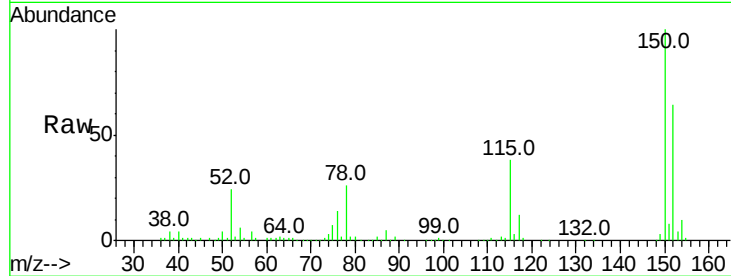


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101763.D
Acq: 27 Dec 2017 15:40

Instrument :
BNA_F
ClientSampleId :

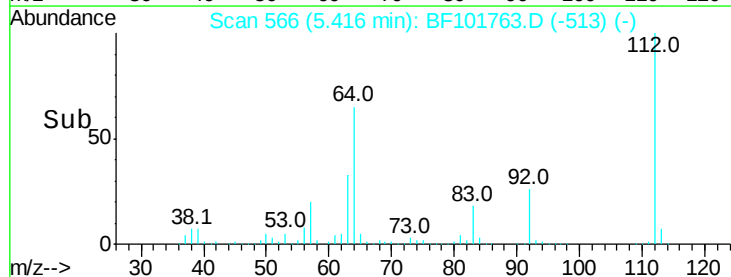
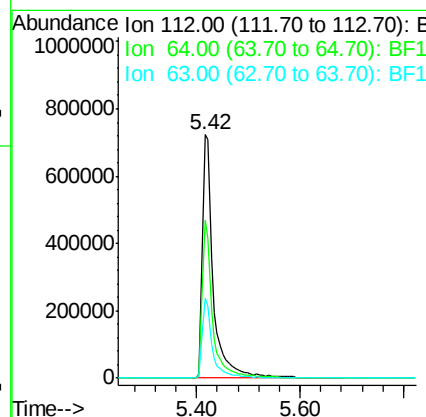
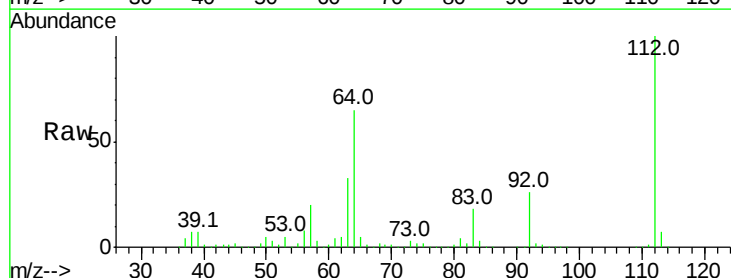
Tot Ion:152 Resp: 144661
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 59.0 50.1 75.1



#5

2-Fluorophenol
Concen: 107.850 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101763.D
Acq: 27 Dec 2017 15:40

Tgt Ion:112 Resp: 1047391
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 104.407 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA_F

ClientSampleId :

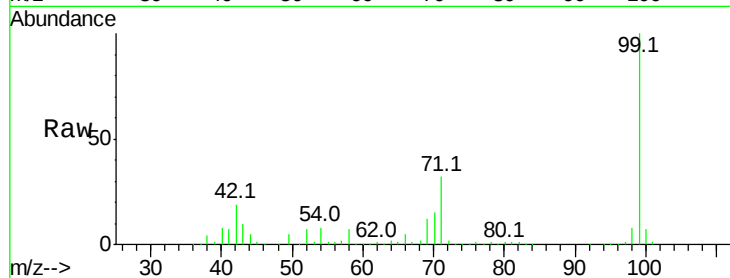
Tot Ion: 99 Resp: 1261905

Ion Ratio Lower Upper

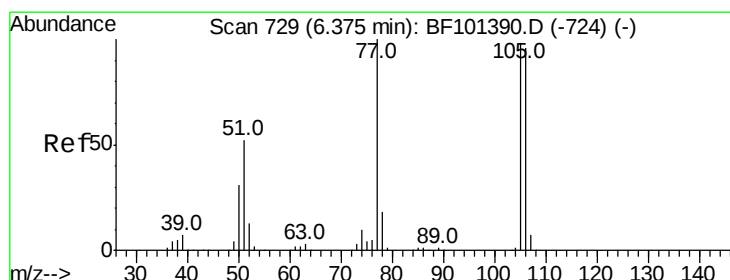
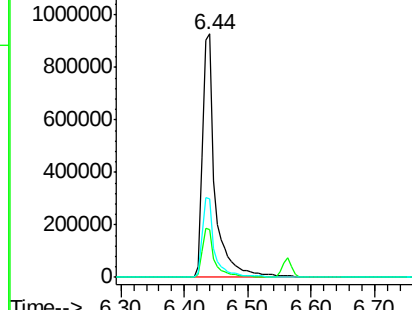
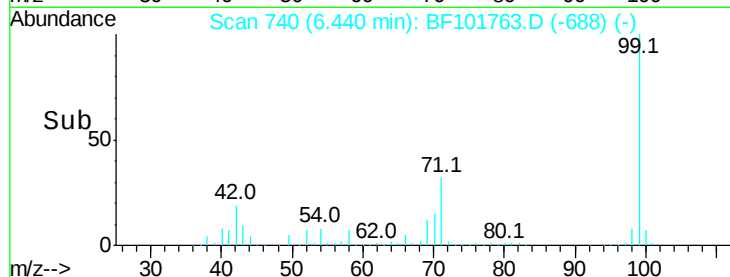
99 100

42 19.4 14.5 21.7

71 32.3 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



#9

Benzaldehyde

Concen: 2.328 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

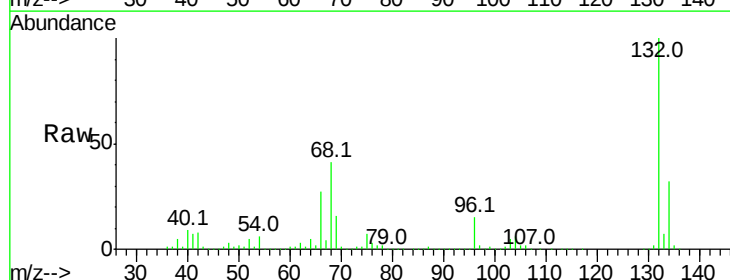
Tgt Ion: 77 Resp: 20776

Ion Ratio Lower Upper

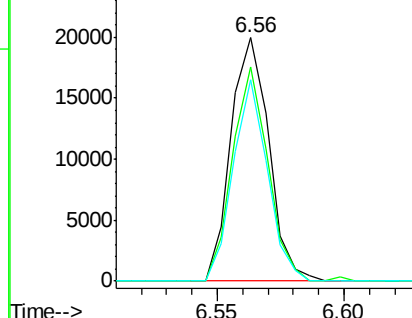
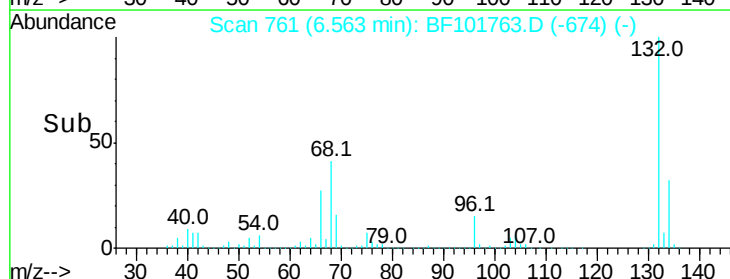
77 100

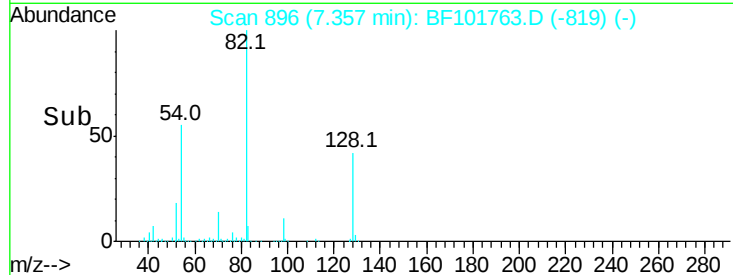
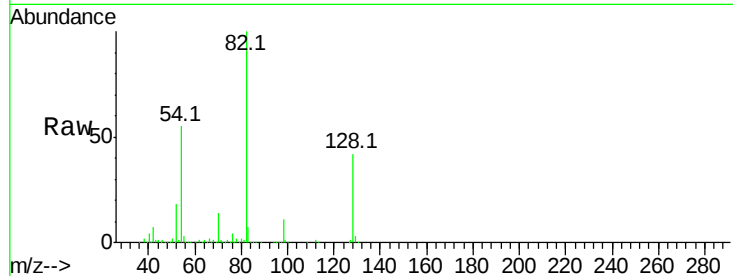
105 88.1 81.1 121.1

106 82.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.136 ng

RT: 7.36 min Scan# 896

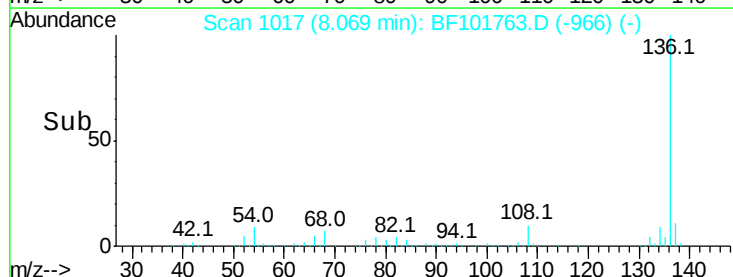
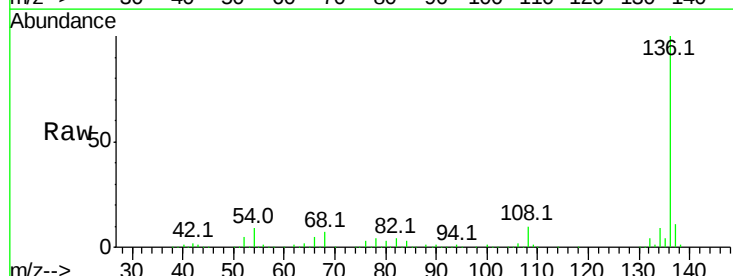
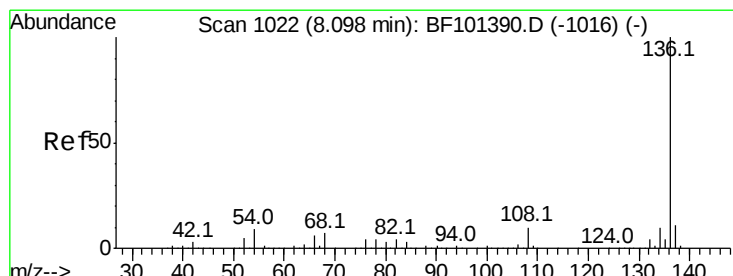
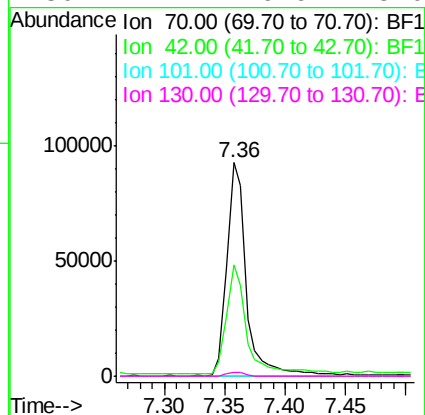
Delta R.T. 0.15 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	104267
Ion	Ratio	Lower	Upper
70	100		
42	52.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

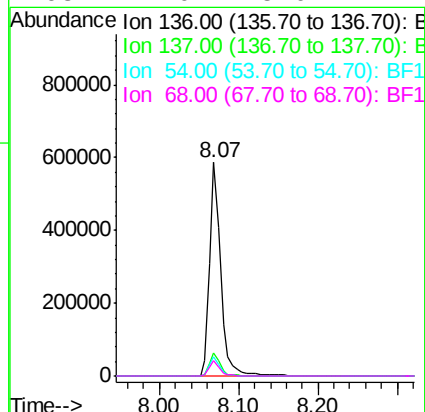
RT: 8.07 min Scan# 1017

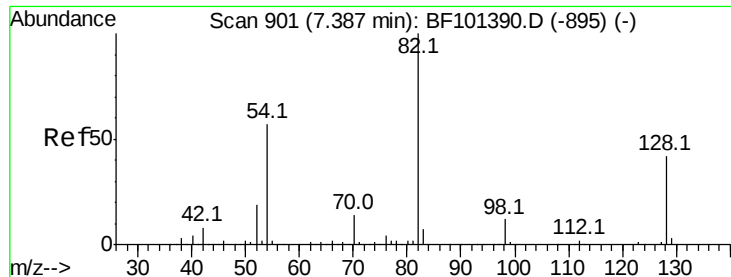
Delta R.T. -0.00 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Tgt Ion:	136	Resp:	582722
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	7.0	5.0	7.4

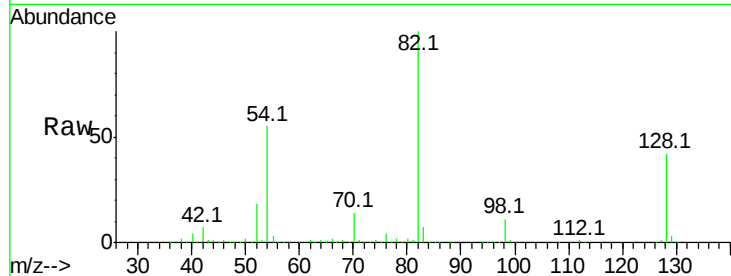




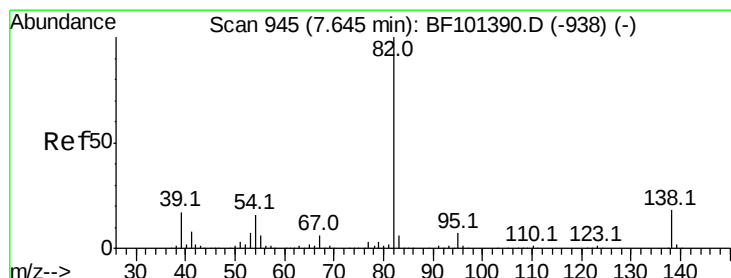
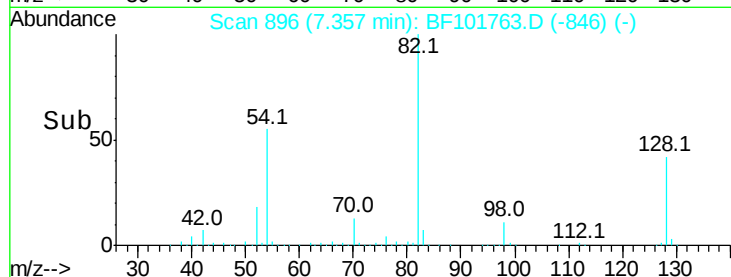
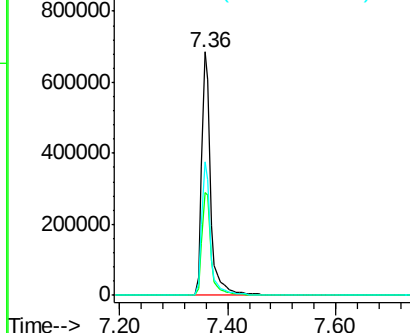
#23
 Nitrobenzene-d5
 Concen: 75.505 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 790408
 Ion Ratio Lower Upper
 82 100
 128 42.3 36.1 54.1
 54 54.8 41.4 62.2

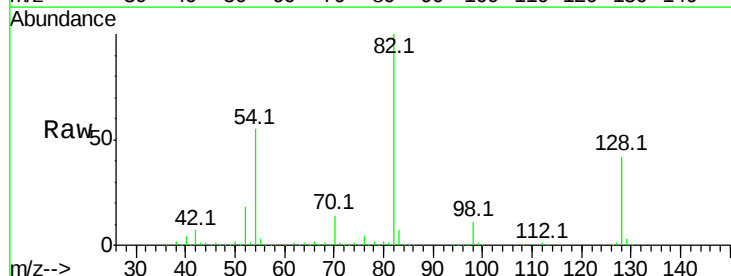


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

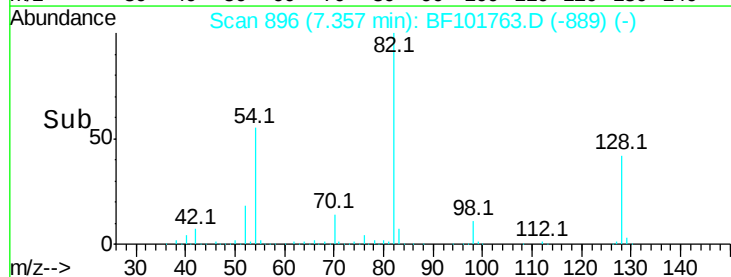
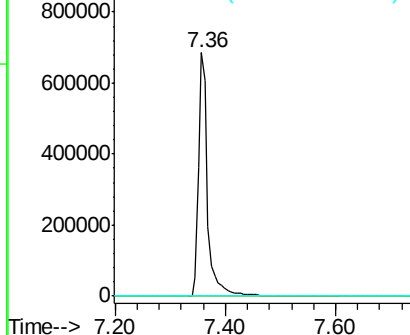


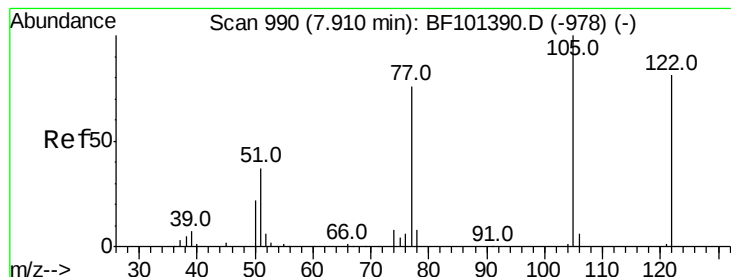
#25
 Isophorone
 Concen: 37.641 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

Tgt Ion: 82 Resp: 790453
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#32

Benzoic acid

Concen: 7.978 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.05 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA_F

ClientSampleId :

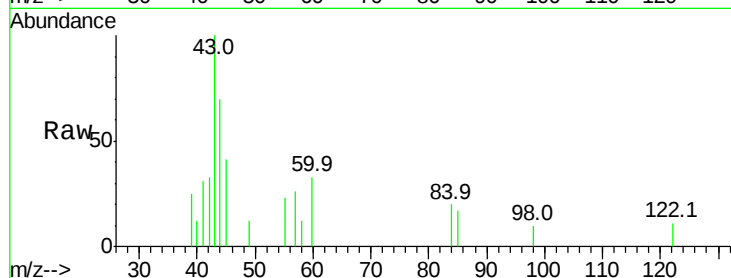
Tot Ion:122 Resp: 118

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

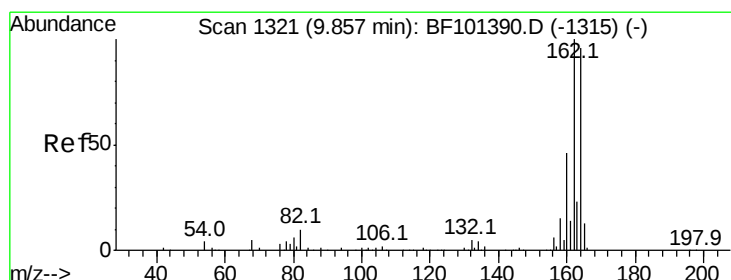
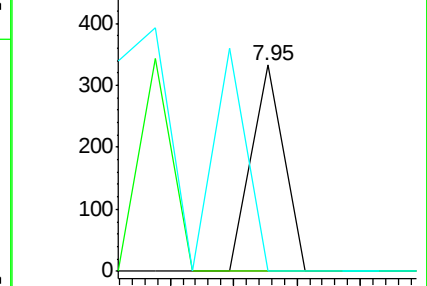
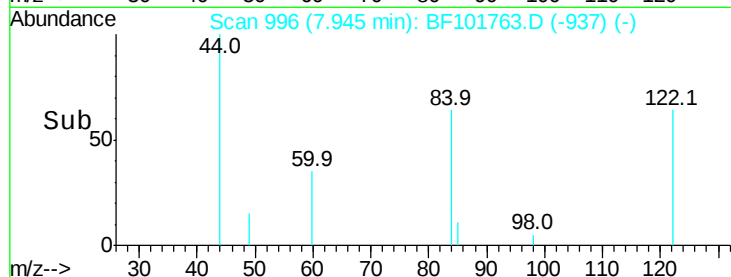
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

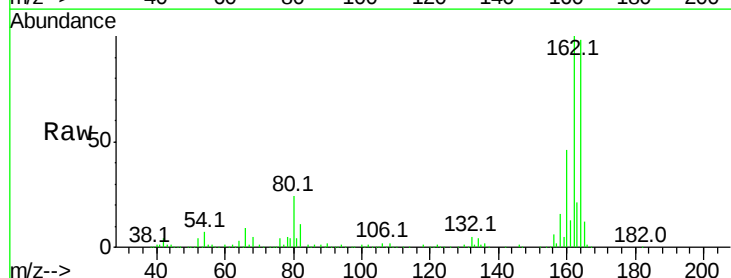
Tgt Ion:164 Resp: 273473

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

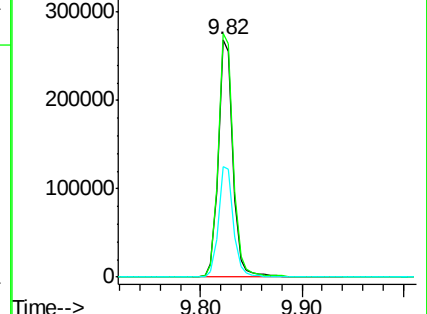
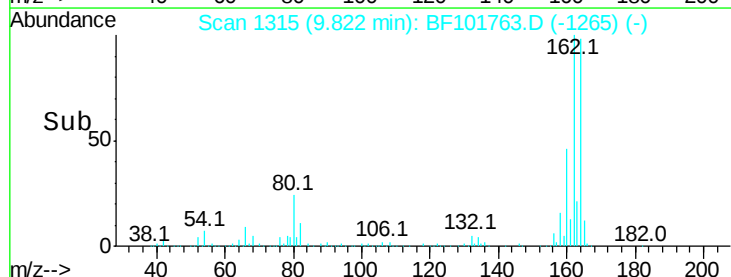
160 46.7 38.3 57.5

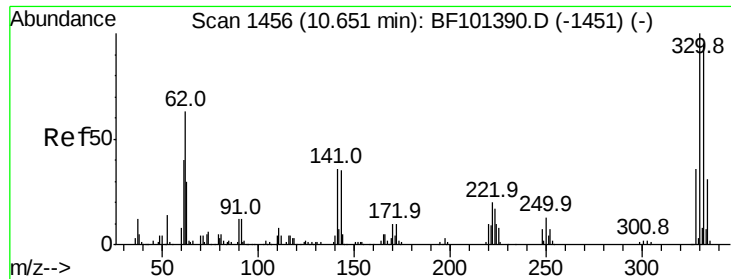


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

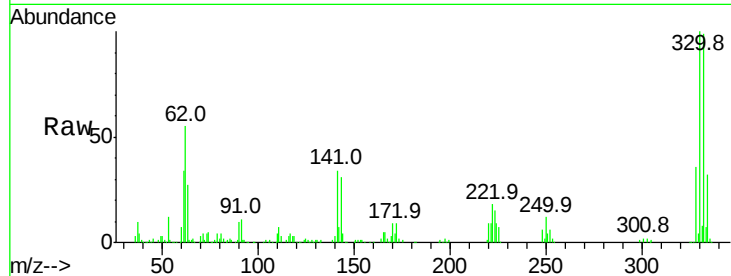




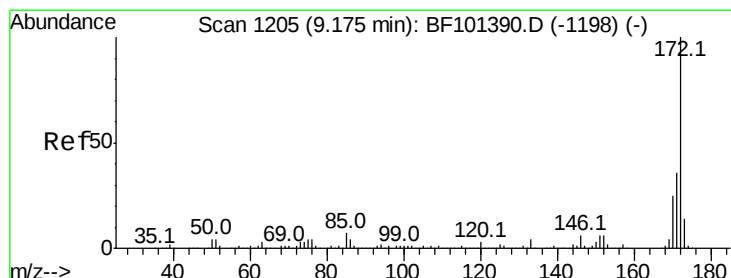
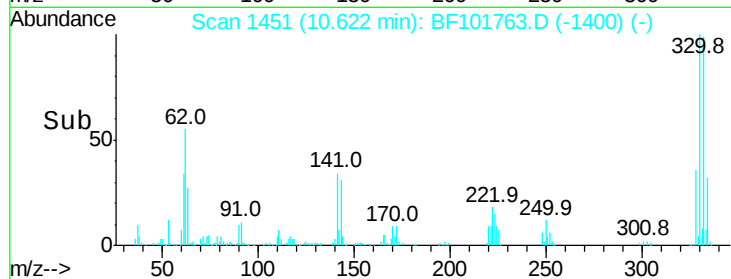
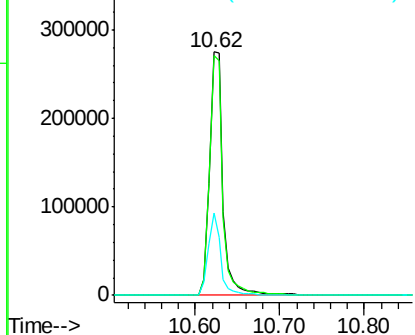
#41
 2,4,6-Tribromophenol
 Concen: 118.210 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	31.5	29.9	44.9

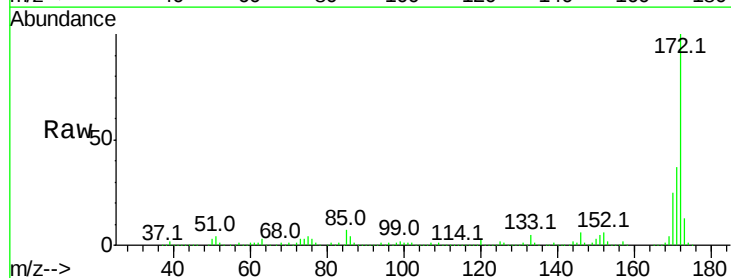


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

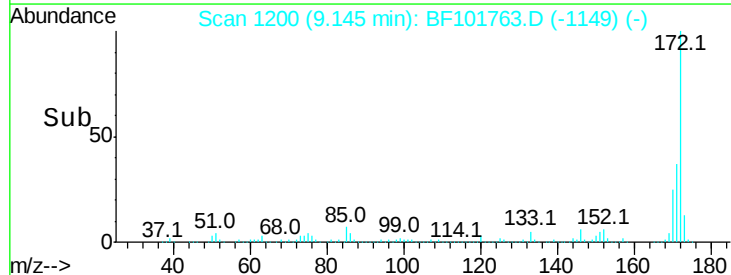
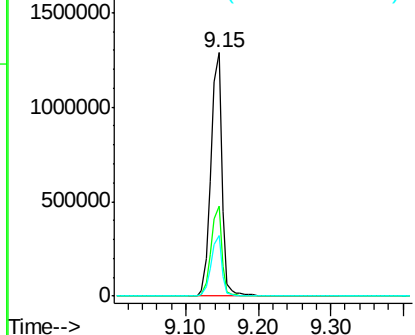


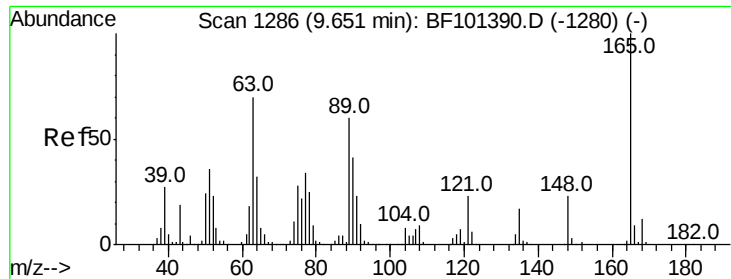
#44
 2-Fluorobiphenyl
 Concen: 77.935 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.7	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

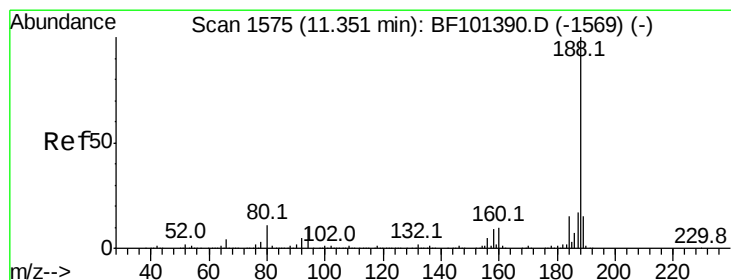
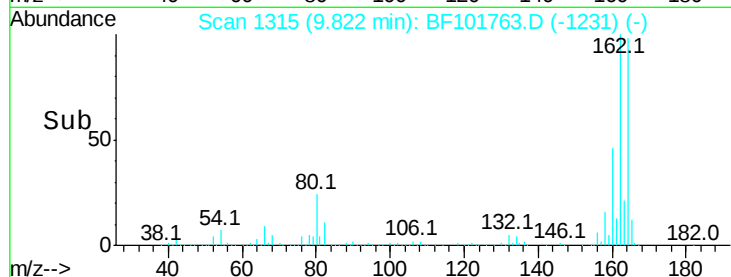
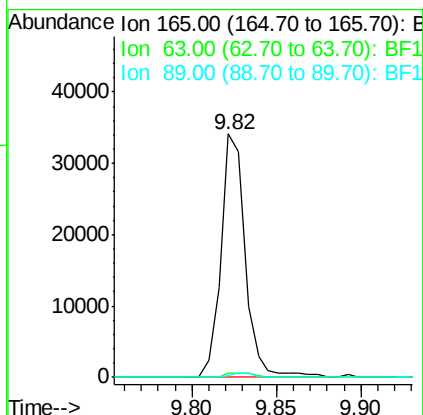
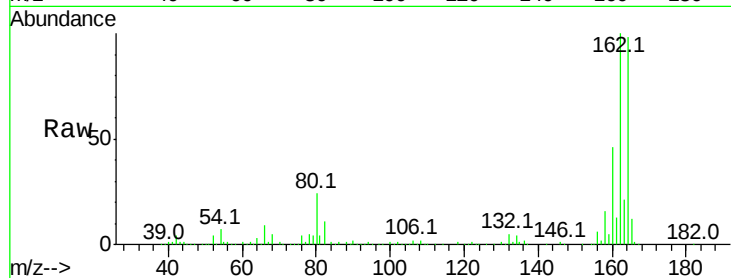




#50
 2,6-Dinitrotoluene
 Concen: 7.652 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

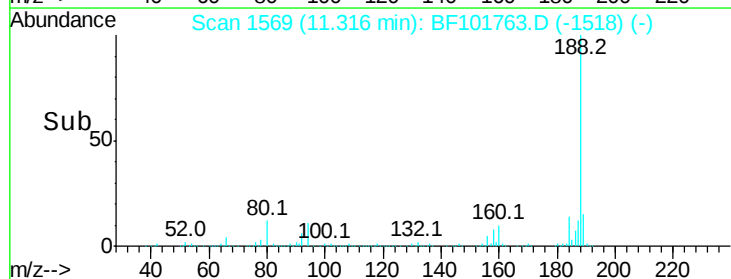
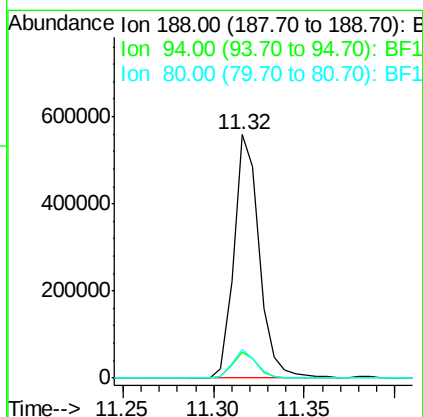
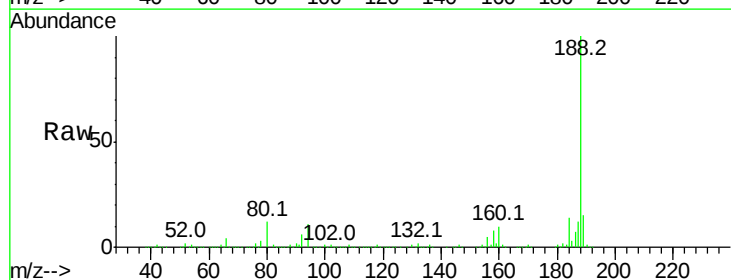
Instrument :
 BNA_F
 ClientSampleId :

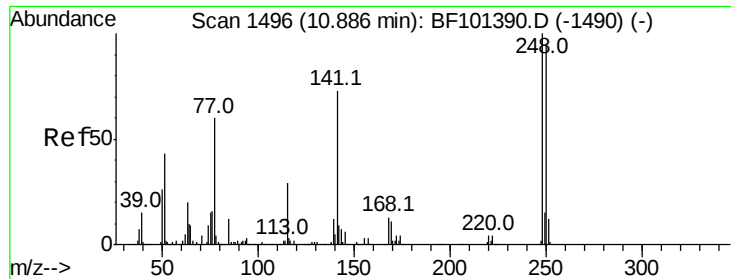
Tot Ion:165 Resp: 34209
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.0 44.0 66.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101763.D
 Acq: 27 Dec 2017 15:40

Tgt Ion:188 Resp: 543416
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.9 9.2 13.8

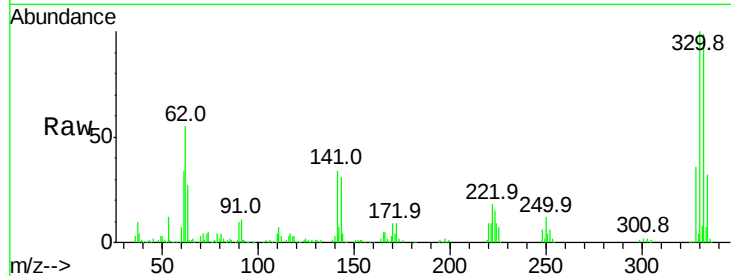




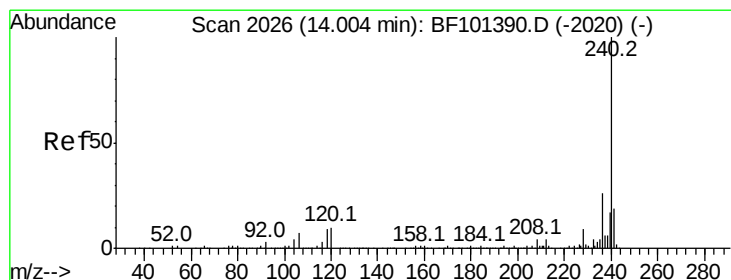
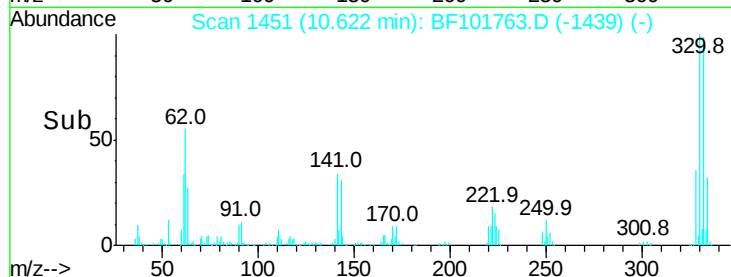
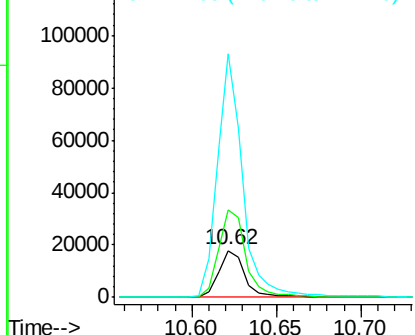
#66
4-Bromophenyl-phenylether
Concen: 3.193 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.23 min
Lab File: BF101763.D
Acq: 27 Dec 2017 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19495
Ion Ratio Lower Upper
248 100
250 187.2 76.9 115.3#
141 522.0 74.4 111.6#

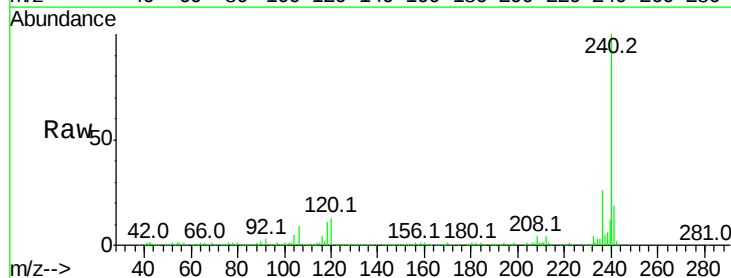


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

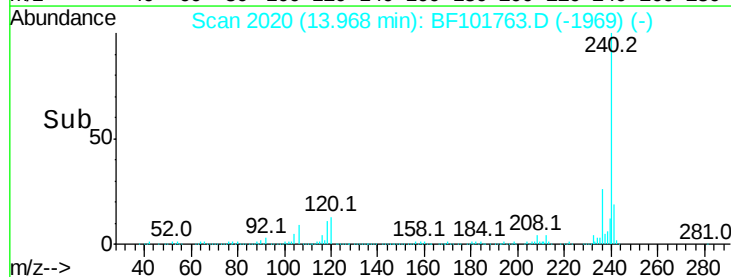
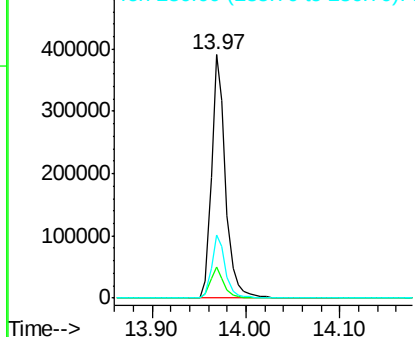


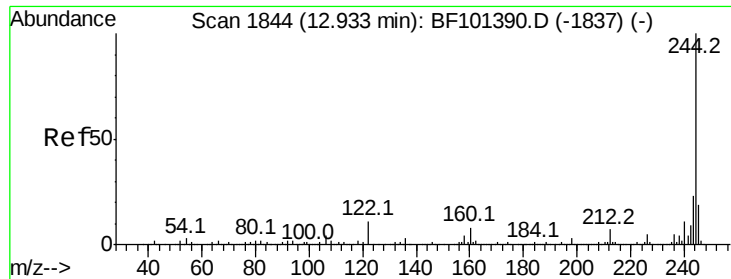
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF101763.D
Acq: 27 Dec 2017 15:40

Tgt Ion:240 Resp: 413043
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 25.9 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: 81.456 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA_F

ClientSampleId :

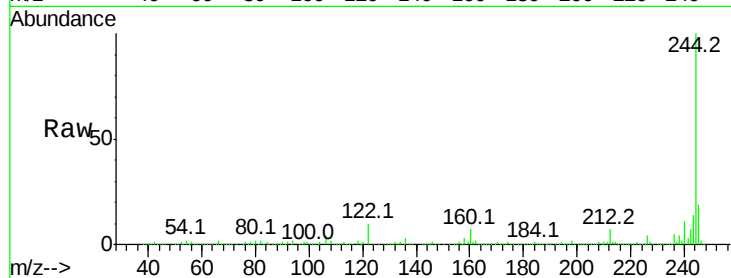
Tot Ion:244 Resp: 1395614

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

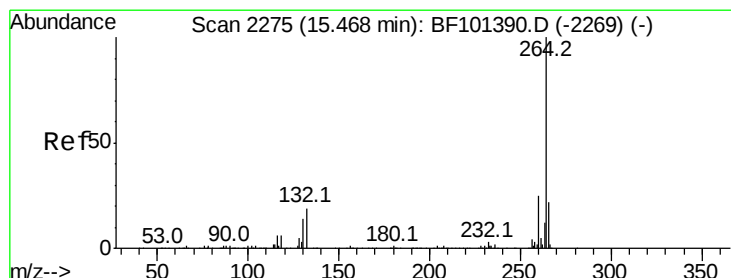
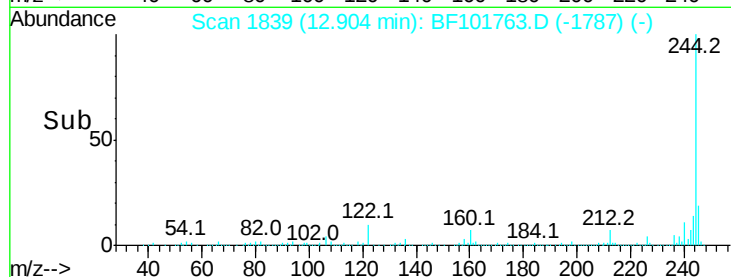
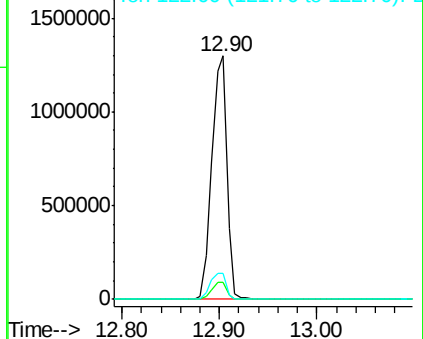
122 10.5 11.0 16.4#



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: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

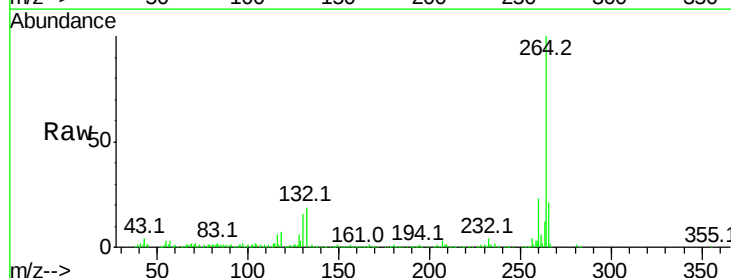
Tgt Ion:264 Resp: 312175

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 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

