

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121317\
 Data File : BF101381.D
 Acq On : 13 Dec 2017 23:22
 Operator : SJ/JU
 Sample : I6816-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 01:09:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

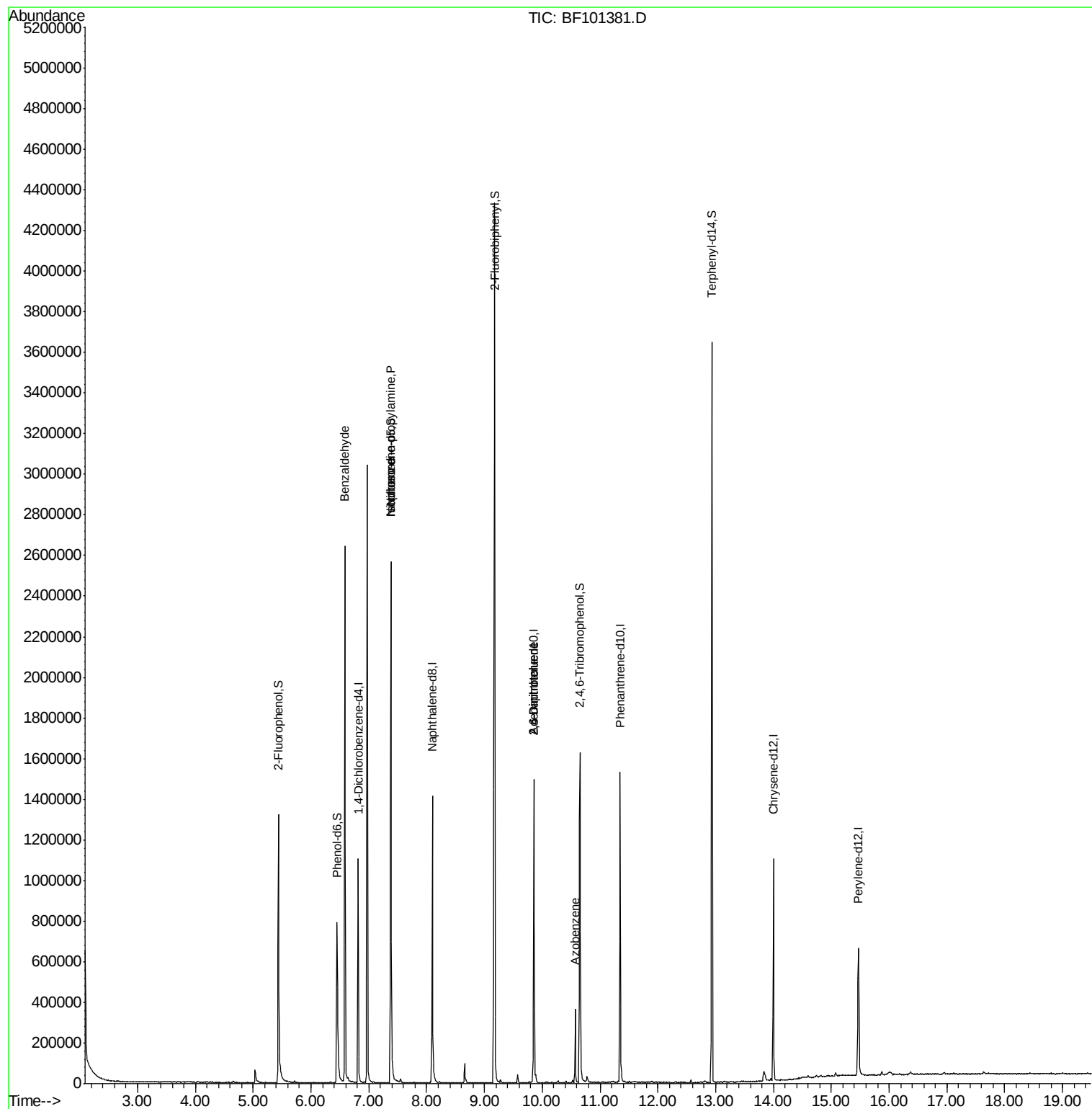
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	166541	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	679939	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	305714	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	570104	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	382230	20.00	ng	0.00
86) Perylene-d12	15.47	264	307868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	442576	43.91	ng	0.00
7) Phenol-d6	6.45	99	348381	28.47	ng	-0.01
23) Nitrobenzene-d5	7.39	82	941941	82.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	196635	53.54	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1551605	69.44	ng	-0.01
78) Terphenyl-d14	12.93	244	1377029	78.80	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	16317	2.179	ng	# 75
19) n-Nitroso-di-n-propylamine	7.39	70	127410	15.461	ng	# 83
25) Isophorone	7.39	82	941998	48.383	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	39303	7.569	ng	# 26
56) 2,4-Dinitrotoluene	9.86	165	39303	5.647	ng	# 23
62) Azobenzene	10.57	77	63691	3.086	ng	# 1

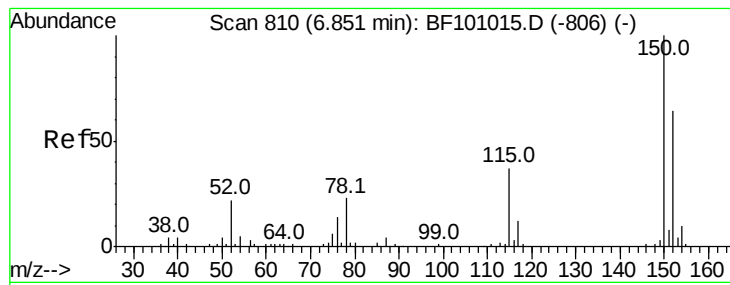
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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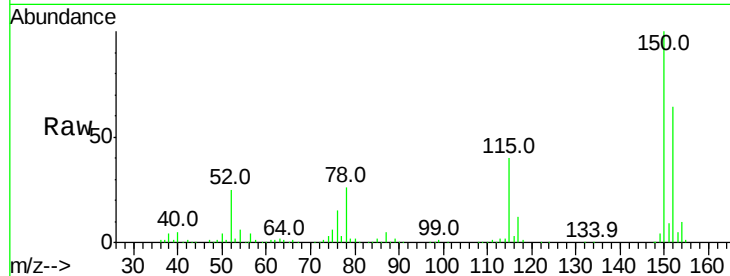


#1

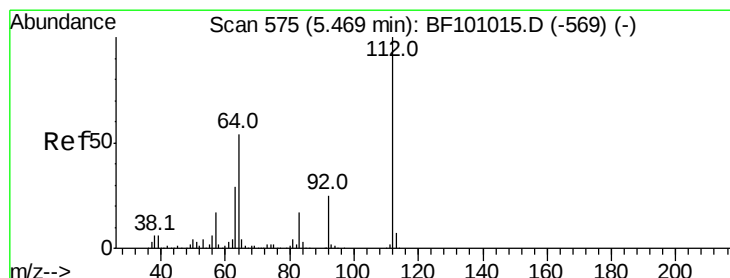
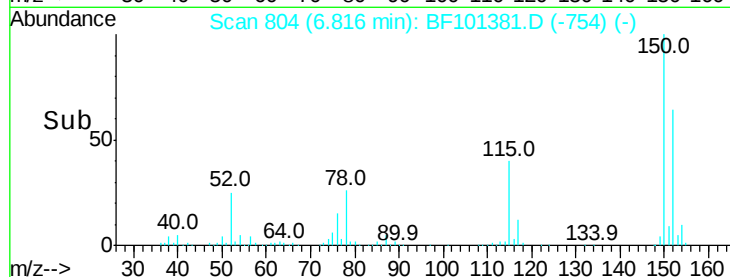
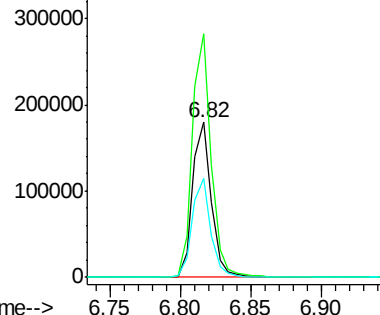
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166541
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 63.4 50.1 75.1



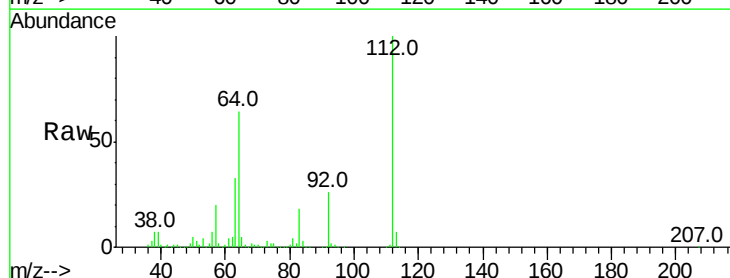
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



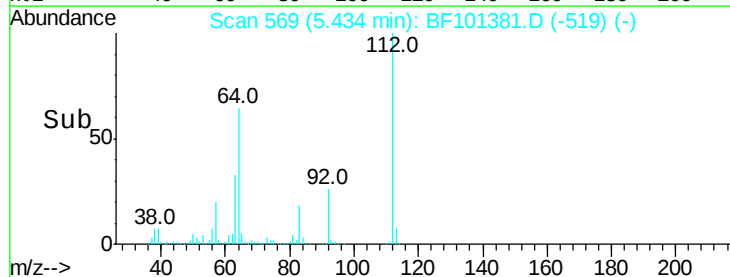
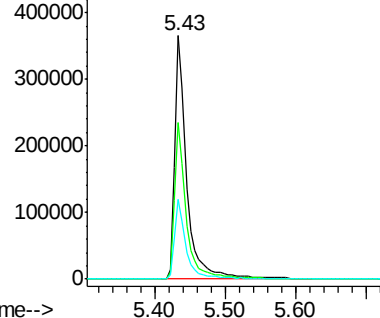
#5

2-Fluorophenol
Concen: 43.913 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:112 Resp: 442576
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 32.6 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: 28.471 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101381.D

Acq: 13 Dec 2017 23:22

Instrument :

BNA_F

ClientSampleId :

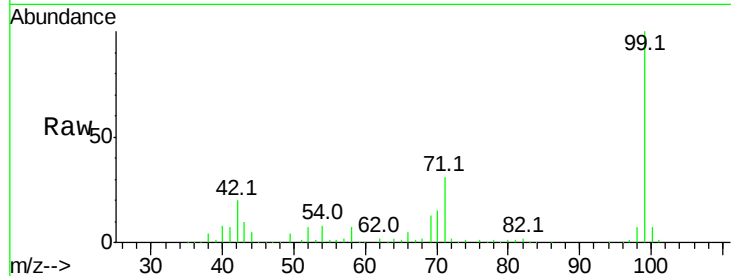
Tot Ion: 99 Resp: 348381

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

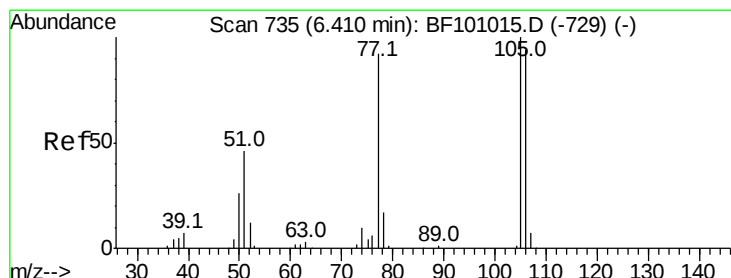
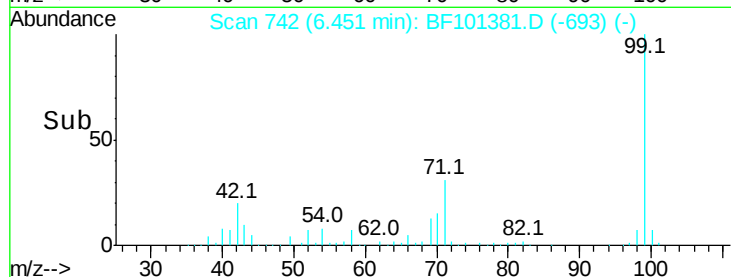
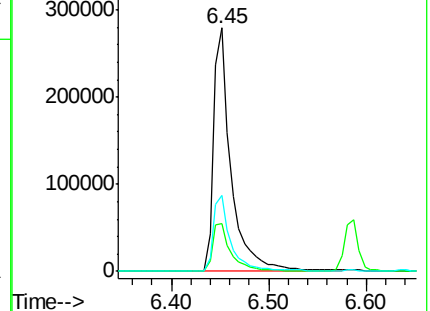
71 31.4 25.4 38.0



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: 2.179 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF101381.D

Acq: 13 Dec 2017 23:22

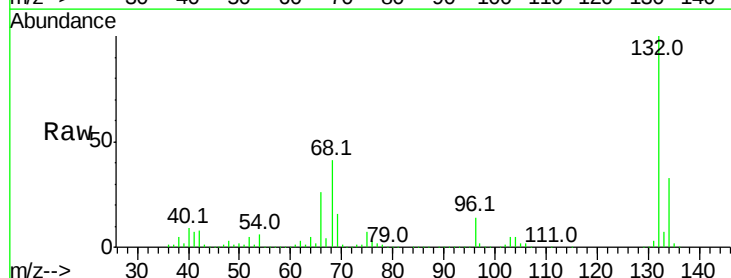
Tgt Ion: 77 Resp: 16317

Ion Ratio Lower Upper

77 100

105 77.1 81.1 121.1#

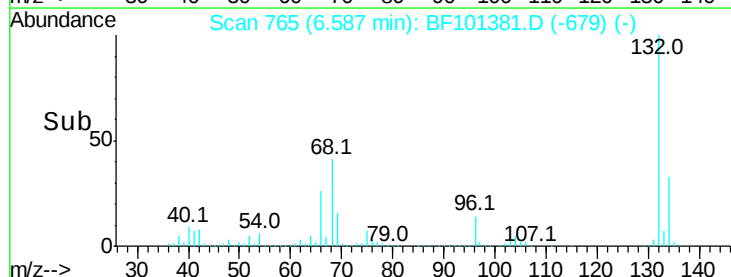
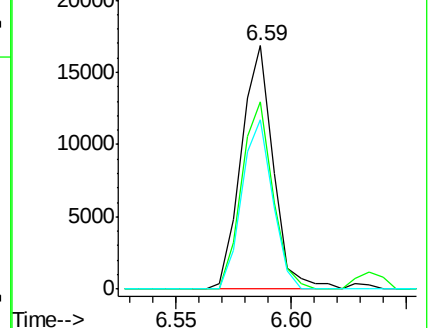
106 69.8 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

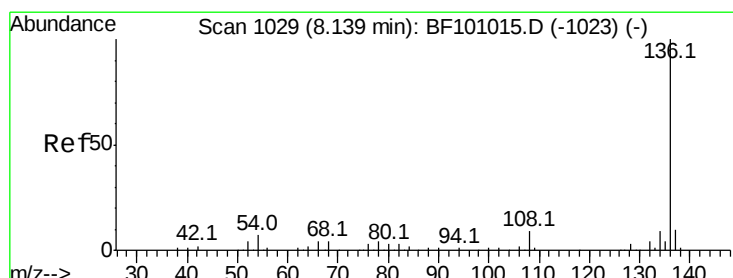
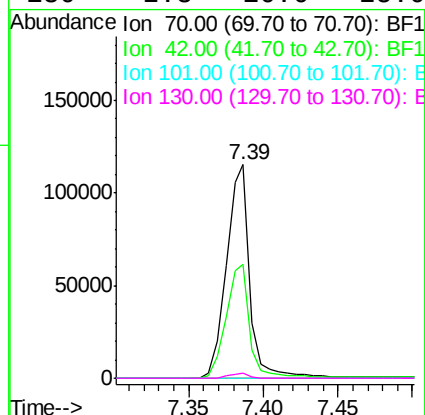
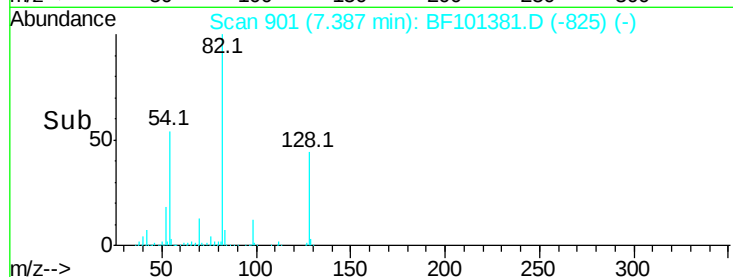
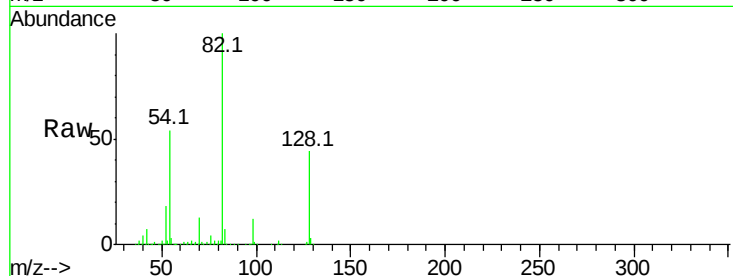




#19
n-Nitroso-di-n-propylamine
Concen: 15.461 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

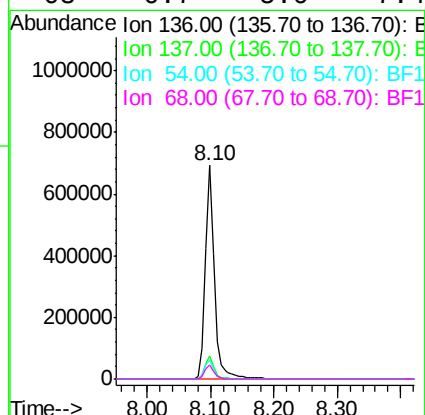
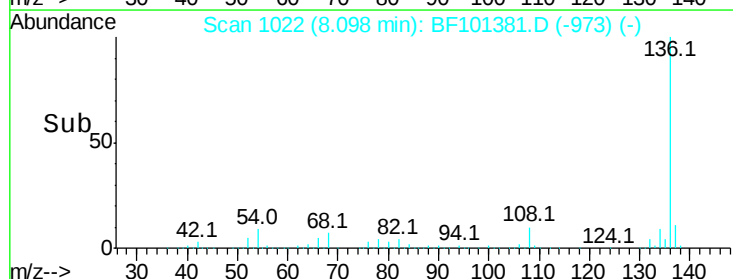
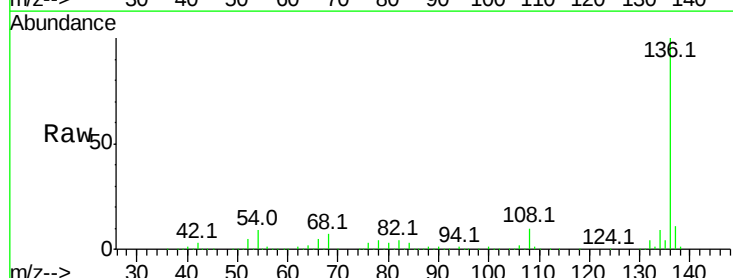
Instrument :
BNA_F
ClientSampleId :

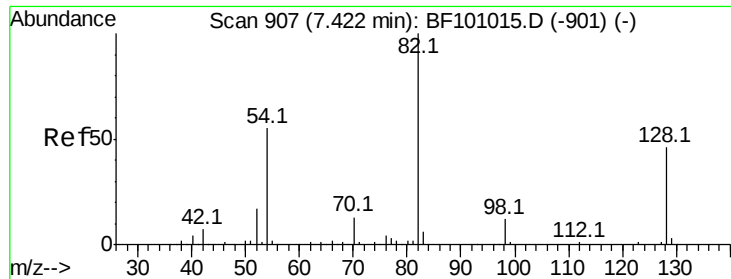
Tot Ion: 70 Resp: 127410
Ion Ratio Lower Upper
70 100
42 53.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:136 Resp: 679939
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.2 6.6 9.8
68 6.7 5.0 7.4

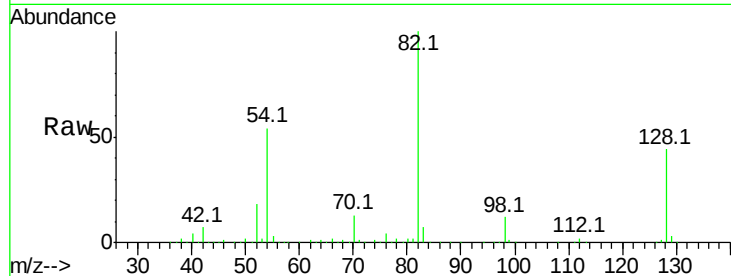




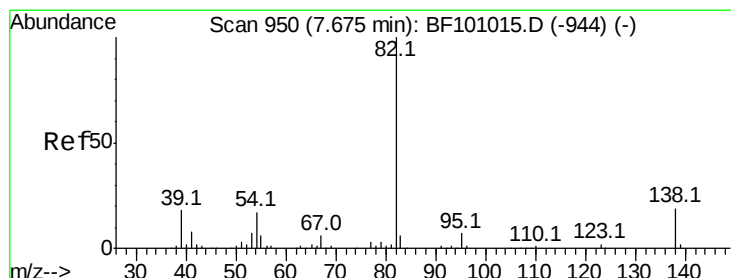
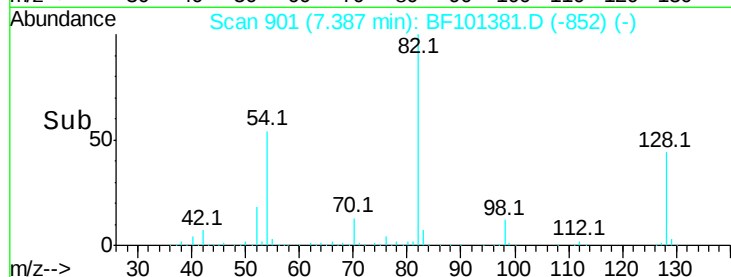
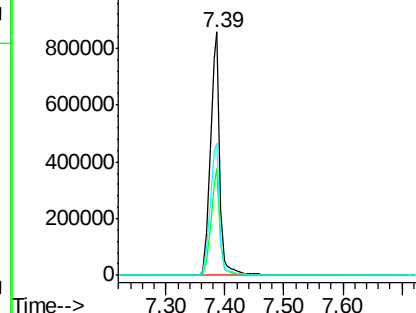
#23
Nitrobenzene-d5
Concen: 82.639 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 941941
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 54.3 41.4 62.2

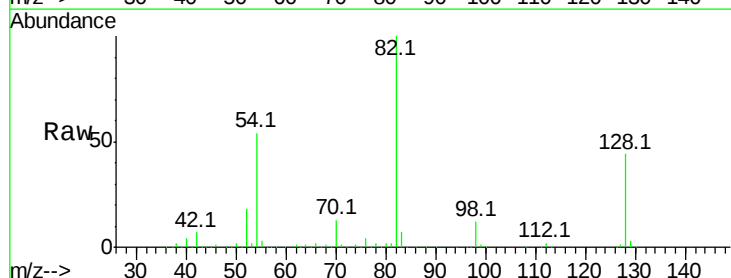


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

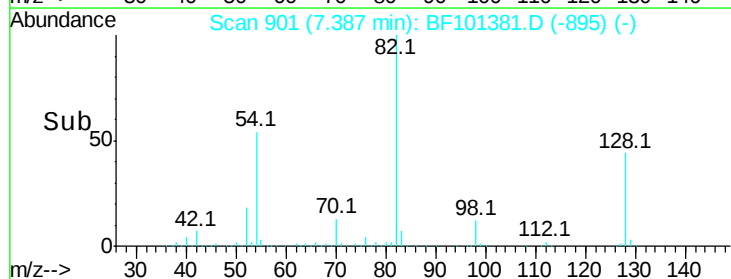
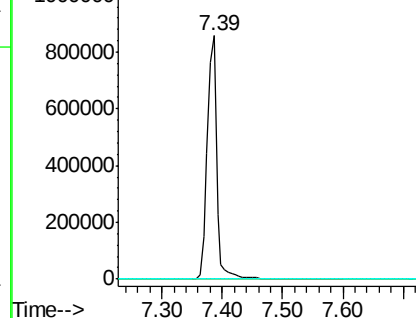


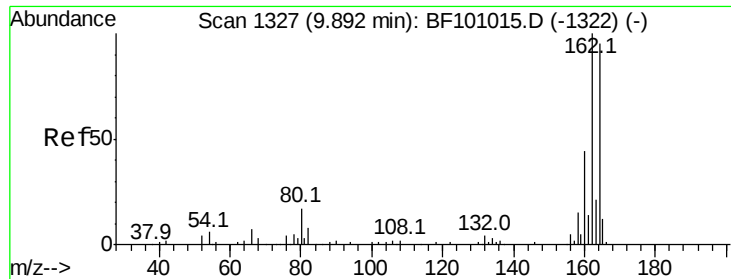
#25
Isophorone
Concen: 48.383 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion: 82 Resp: 941998
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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101381.D

Acq: 13 Dec 2017 23:22

Instrument :

BNA_F

ClientSampleId :

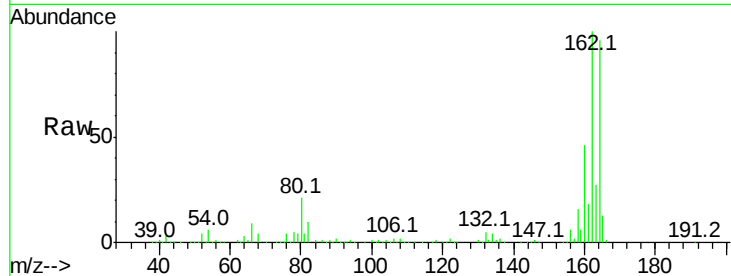
Tot Ion:164 Resp: 305714

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

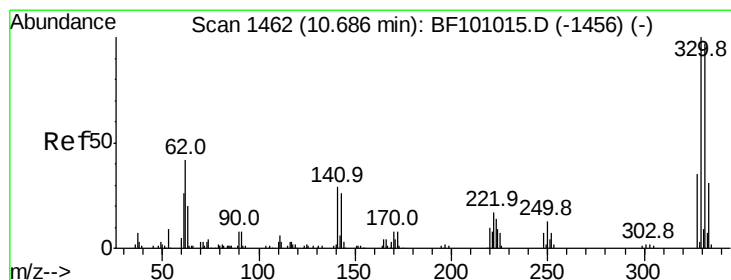
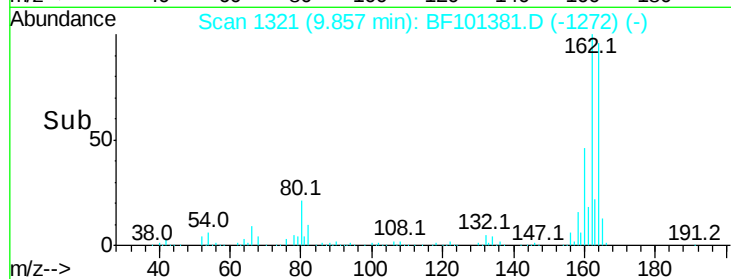
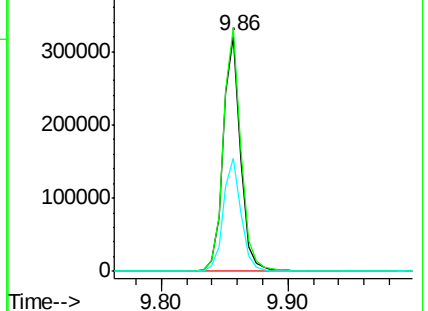
160 48.2 38.3 57.5



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: 53.543 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF101381.D

Acq: 13 Dec 2017 23:22

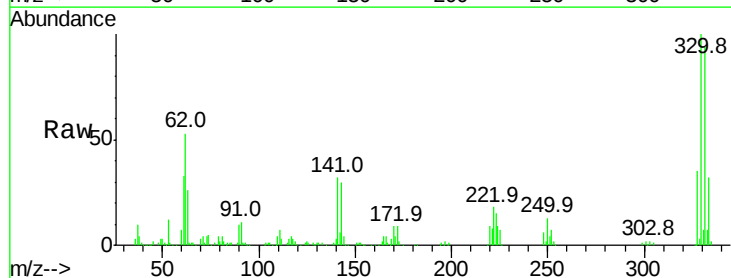
Tgt Ion:330 Resp: 196635

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

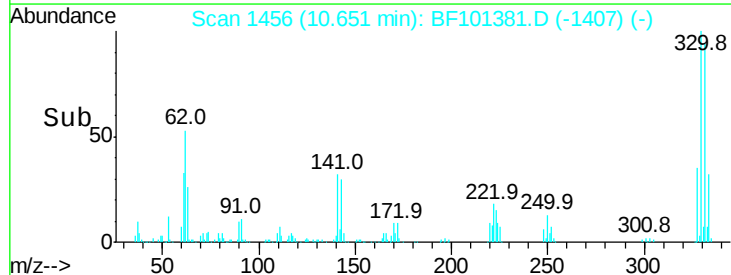
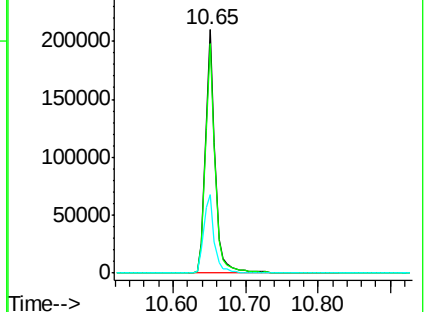
141 35.8 29.9 44.9

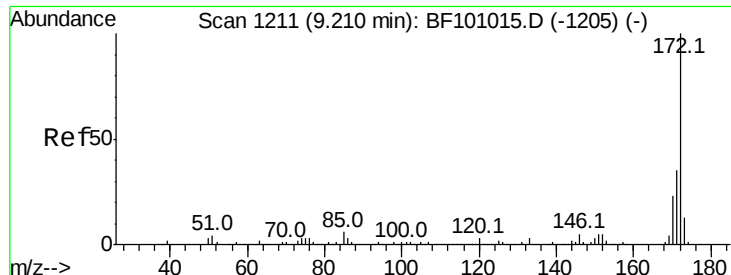


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

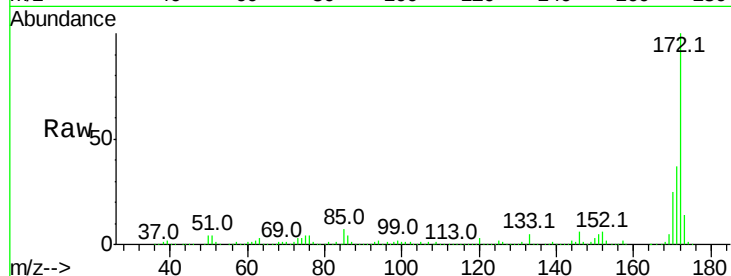




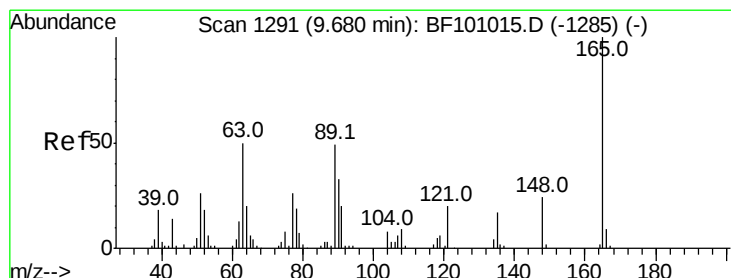
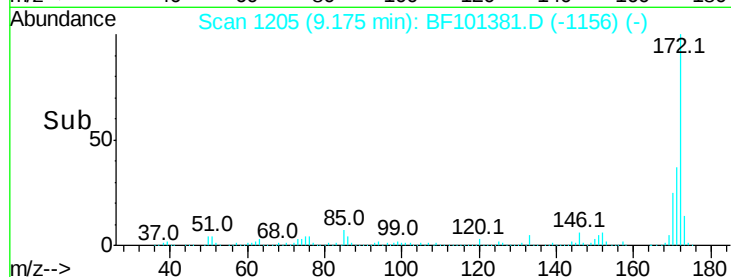
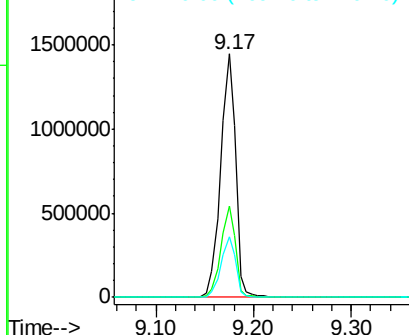
#44
 2-Fluorobiphenyl
 Concen: 69.441 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1551605
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.7 44.5
 170 24.7 19.6 29.4

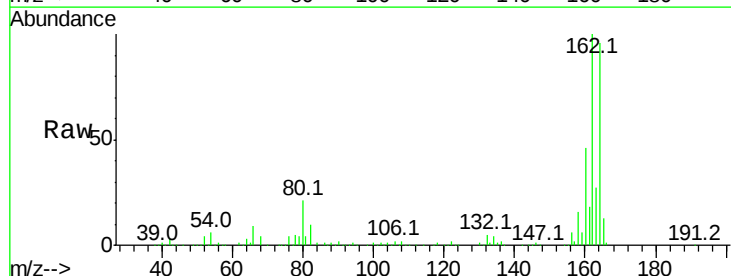


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

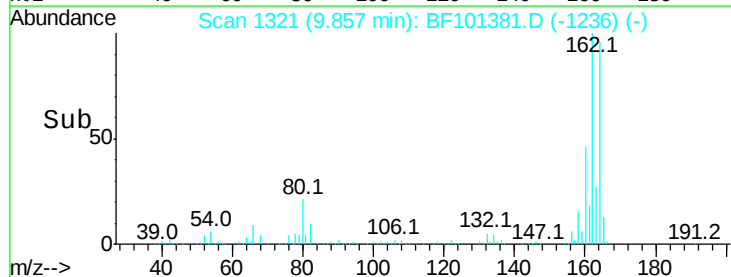
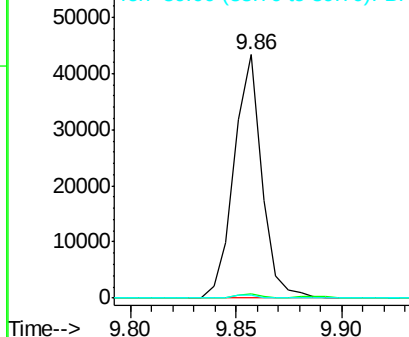


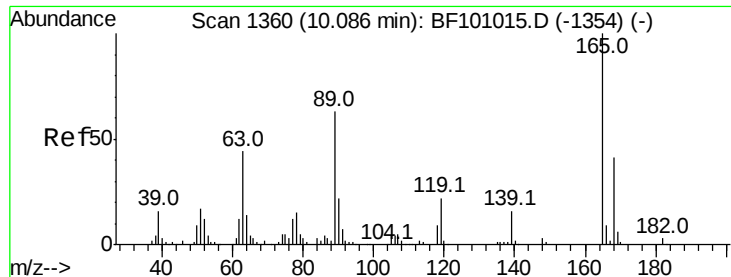
#50
 2,6-Dinitrotoluene
 Concen: 7.569 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

Tgt Ion:165 Resp: 39303
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.2 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

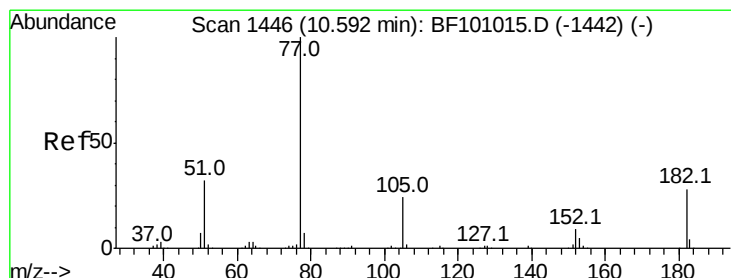
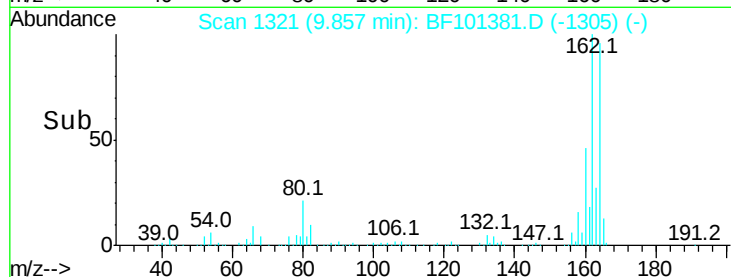
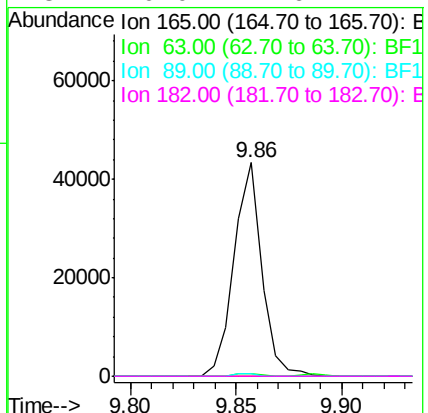
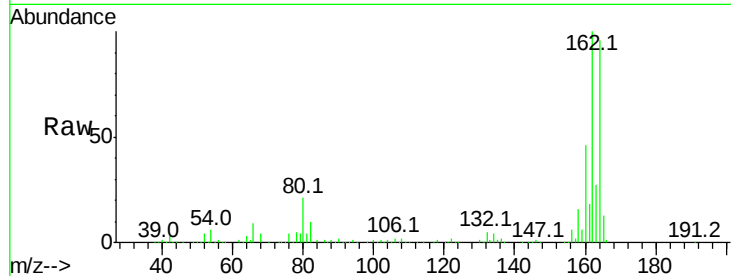




#56
 2,4-Dinitrotoluene
 Concen: 5.647 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

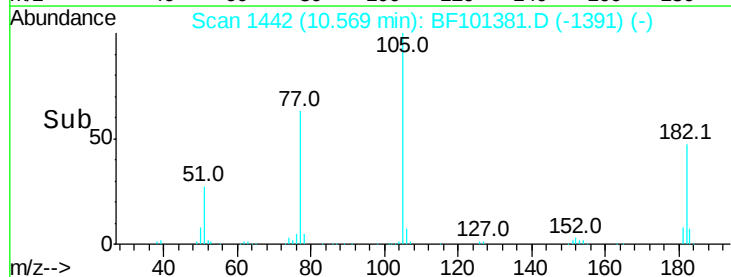
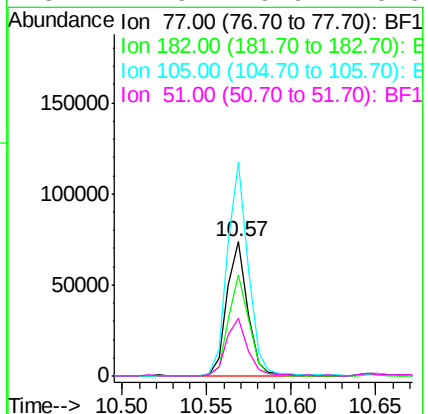
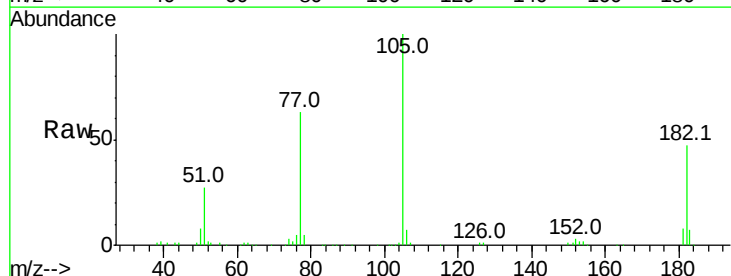
Instrument :
 BNA_F
 ClientSampleId :

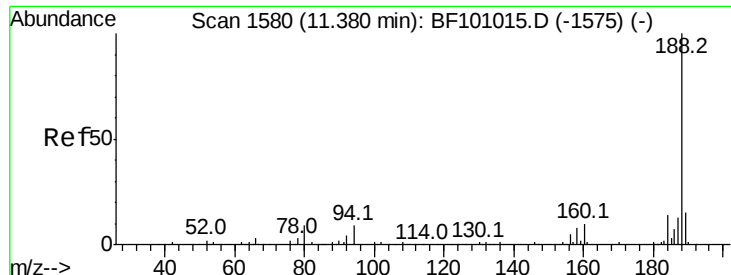
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.086 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

Tgt Ion	Ratio	Lower	Upper
77	100		
182	75.1	1.7	41.7#
105	159.3	3.0	43.0#
51	42.9	9.9	49.9

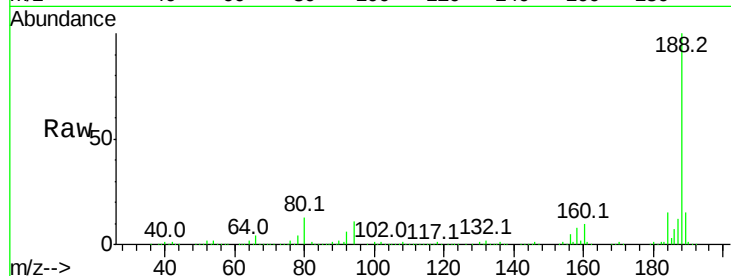




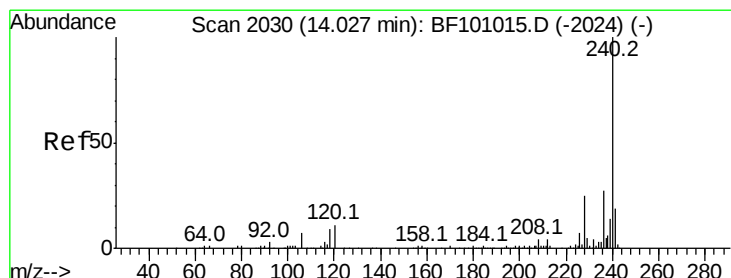
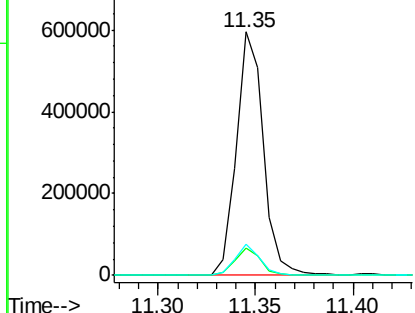
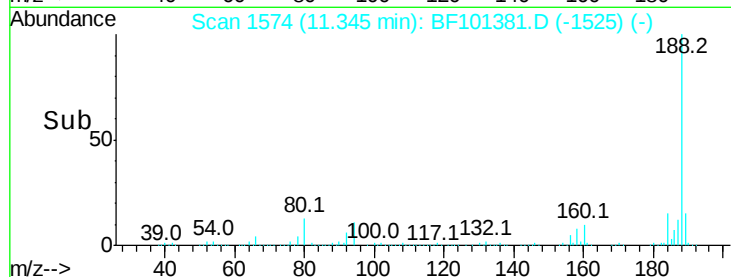
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 570104
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.6 9.2 13.8

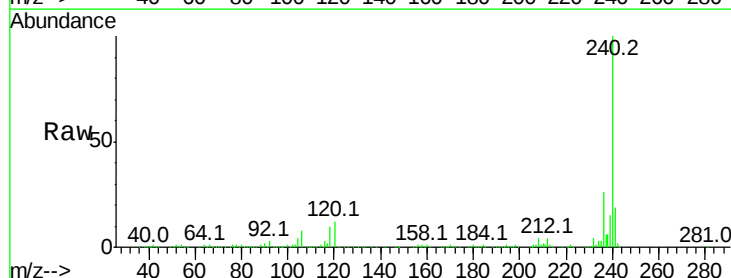


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

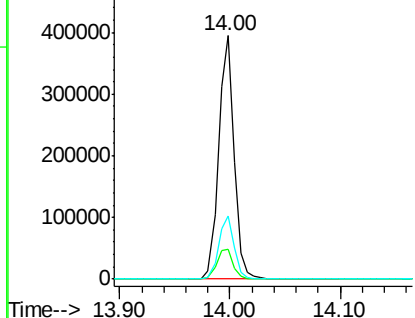
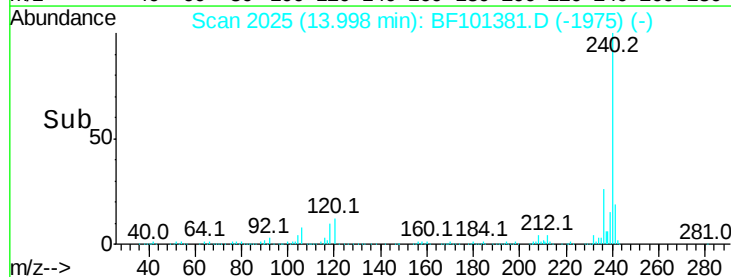


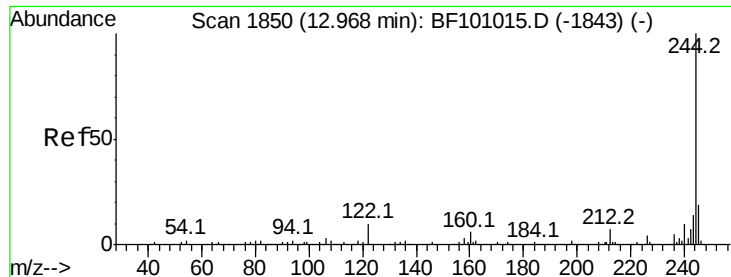
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101381.D
Acq: 13 Dec 2017 23:22

Tgt Ion:240 Resp: 382230
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 26.2 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

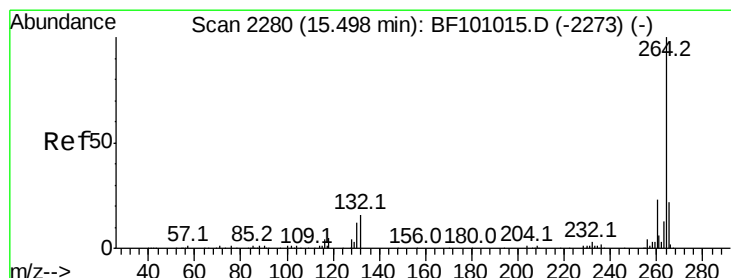
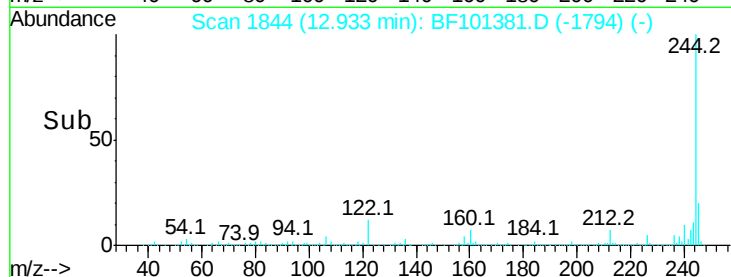
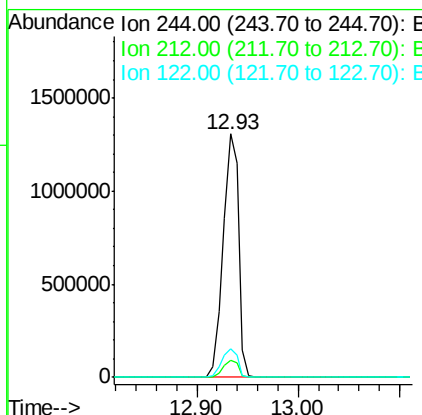
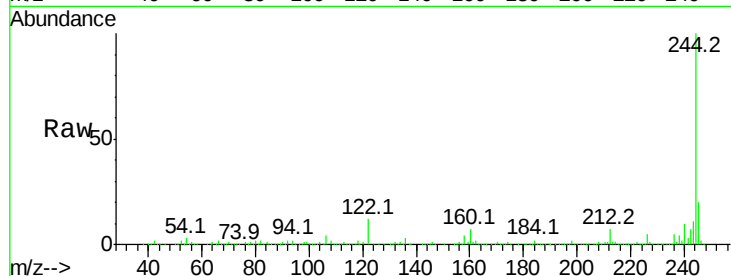




#78
 Terphenyl-d14
 Concen: 78.799 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1377029
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF101381.D
 Acq: 13 Dec 2017 23:22

Tgt Ion:264 Resp: 307868
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 17.5 26.3

