

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101105.D
 Acq On : 4 Dec 2017 18:29
 Operator : SJ/JU
 Sample : I6697-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:21:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52206	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	195563	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	81264	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	126965	20.00	ng	0.00
75) Chrysene-d12	14.02	240	123002	20.00	ng	0.00
86) Perylene-d12	15.50	264	112331	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	308187	97.55	ng	0.01
7) Phenol-d6	6.49	99	364027	94.90	ng	0.00
23) Nitrobenzene-d5	7.42	82	205931	62.82	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	67989	69.65	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	328578	55.32	ng	0.00
78) Terphenyl-d14	12.96	244	249282	44.33	ng	0.00

Target Compounds

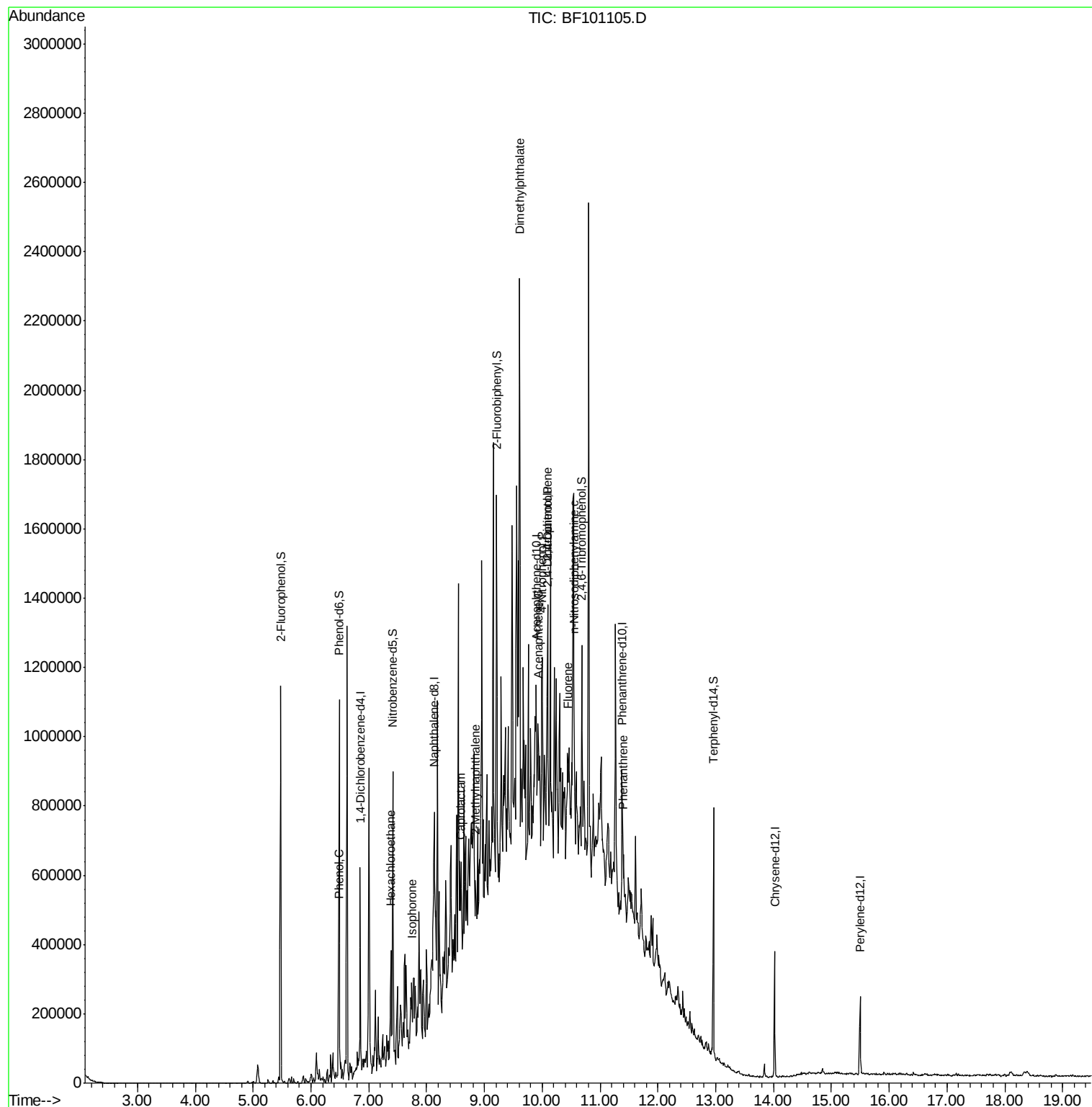
						Qvalue
10) Phenol	6.50	94	10964	2.571	ng	93
18) Hexachloroethane	7.38	117	14092	10.562	ng	# 1
25) Isophorone	7.75	82	17306	3.090	ng	# 58
35) Caprolactam	8.59	113	3576	4.132	ng	# 1
37) 2-Methylnaphthalene	8.85	142	39035	5.960	ng	95
49) Dimethylphthalate	9.60	163	40335	6.154	ng	# 86
51) Acenaphthene	9.93	154	16245	3.122	ng	# 63
53) 2,4-Dinitrophenol	10.09	184	356	5.298	ng	# 1
55) 4-Nitrophenol	10.00	139	13469	12.866	ng	# 40
56) 2,4-Dinitrotoluene	10.10	165	7194	3.889	ng	# 57
57) Fluorene	10.45	166	30400	4.987	ng	# 85
65) n-Nitrosodiphenylamine	10.55	169	48470	10.821	ng	# 46
70) Phenanthrene	11.40	178	60873	8.706	ng	# 95

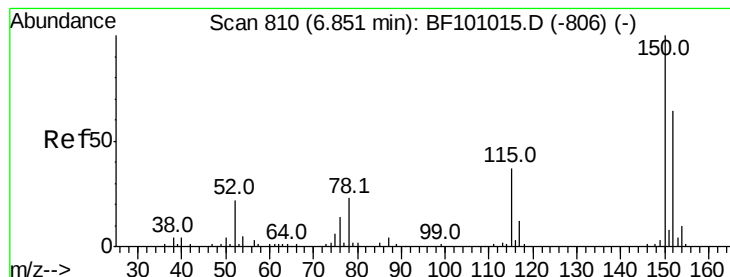
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120417\
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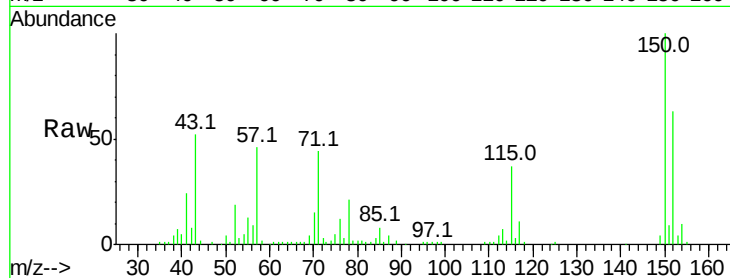


#1

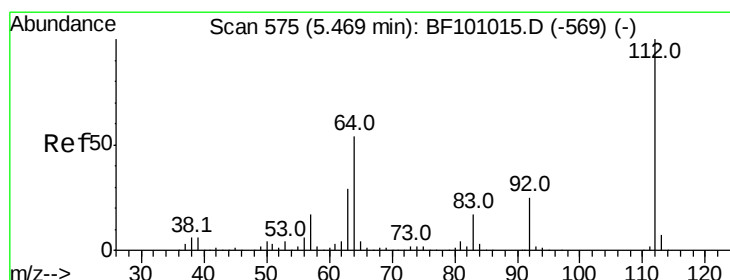
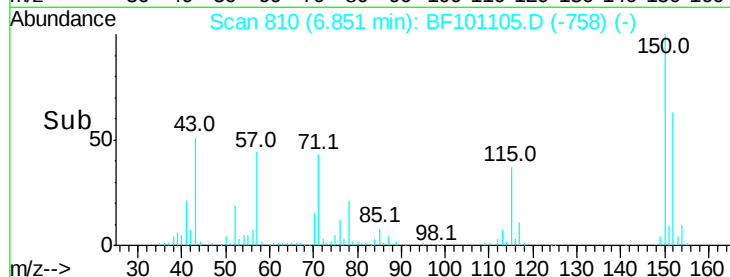
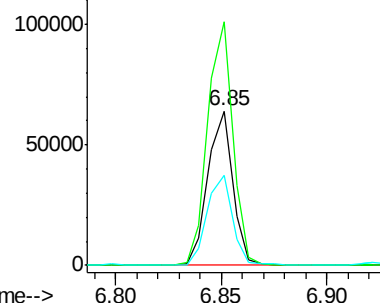
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 52206
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 58.6 50.1 75.1



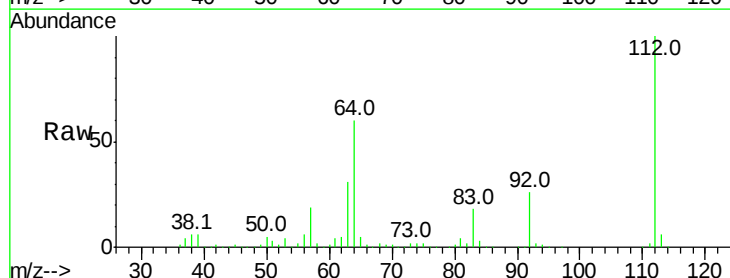
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



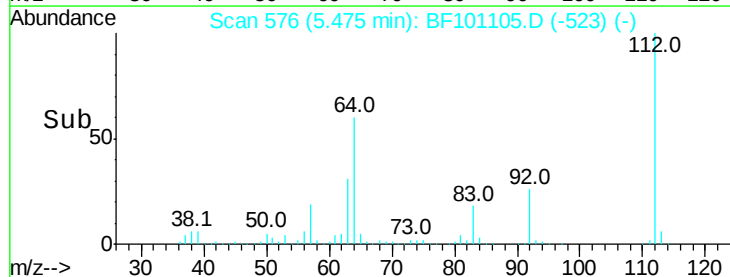
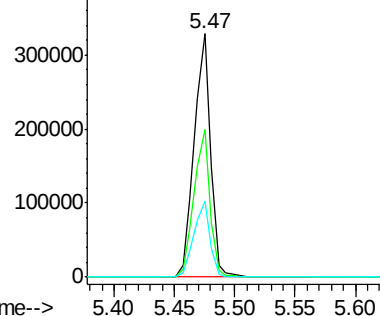
#5

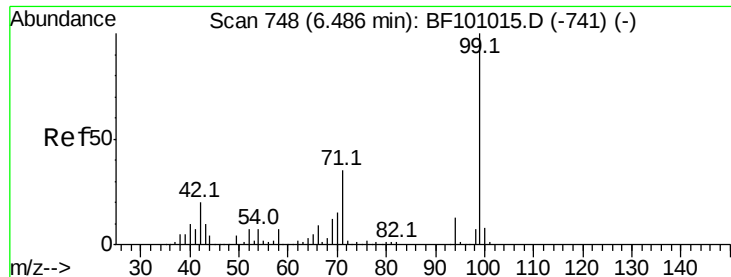
2-Fluorophenol
Concen: 97.549 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Tgt Ion:112 Resp: 308187
Ion Ratio Lower Upper
112 100
64 60.4 47.9 71.9
63 31.1 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: 94.904 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

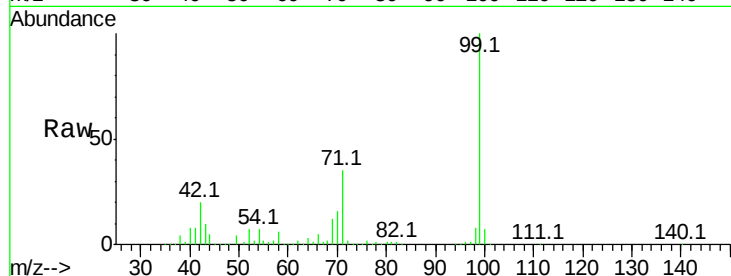
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 364027

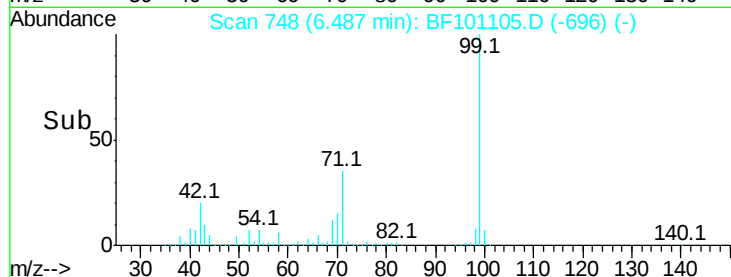
Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	34.6	25.4	38.0



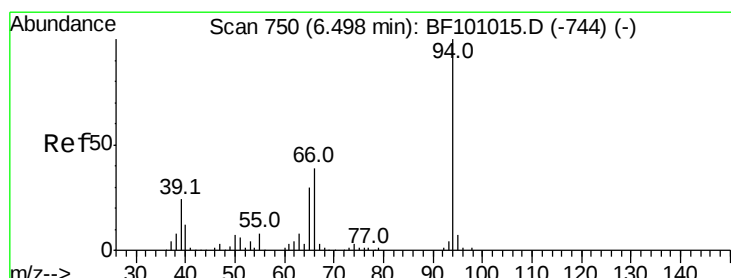
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time--> 6.40 6.45 6.50 6.55 6.60



#10

Phenol

Concen: 2.571 ng

RT: 6.50 min Scan# 750

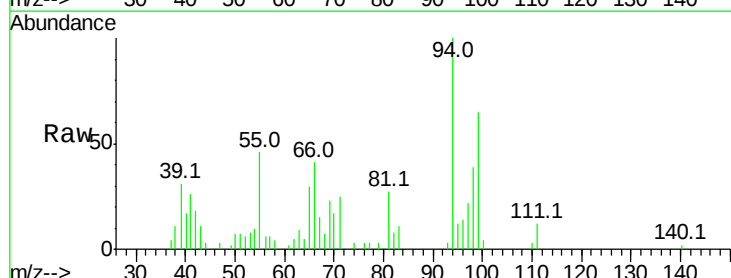
Delta R.T. 0.01 min

Lab File: BF101105.D

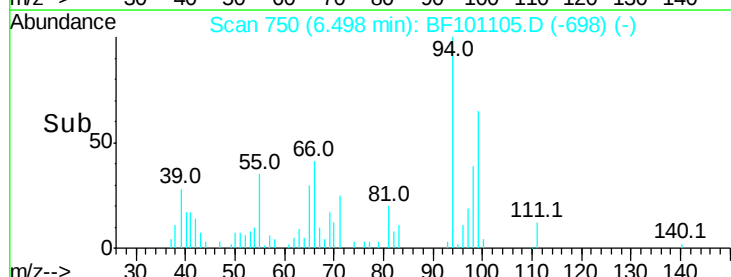
Acq: 4 Dec 2017 18:29

Tgt Ion: 94 Resp: 10964

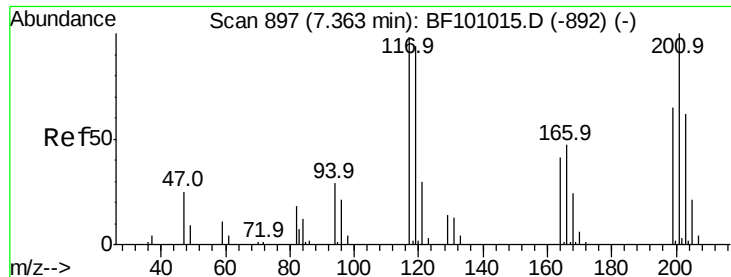
Ion	Ratio	Lower	Upper
94	100		
65	30.0	7.9	47.9
66	41.2	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1



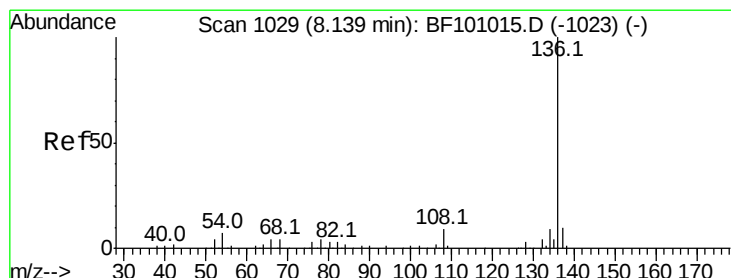
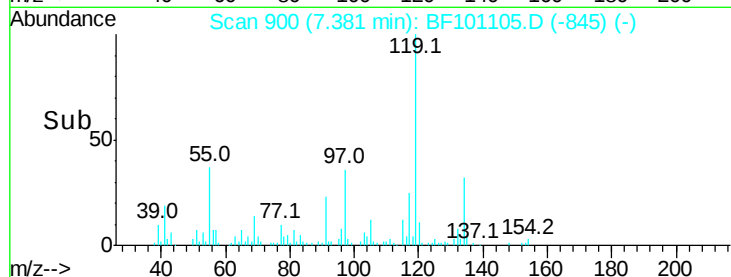
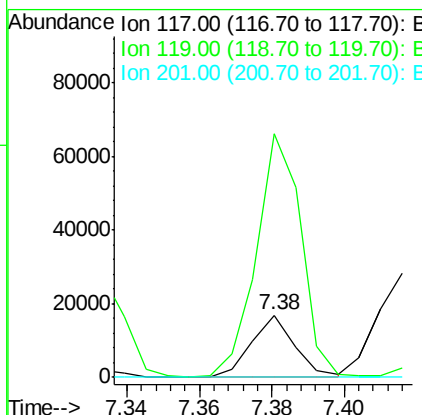
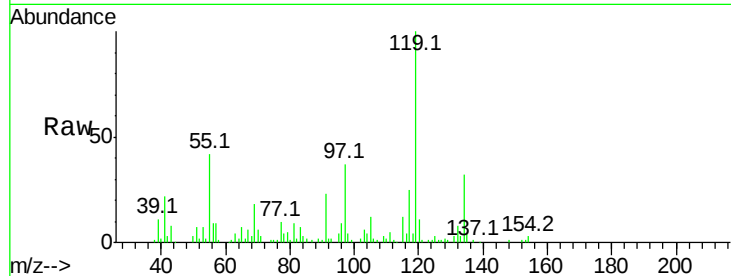
Time--> 6.45 6.50 6.55



#18
Hexachloroethane
Concen: 10.562 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.02 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

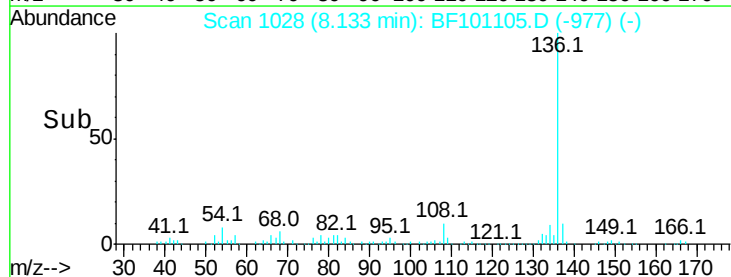
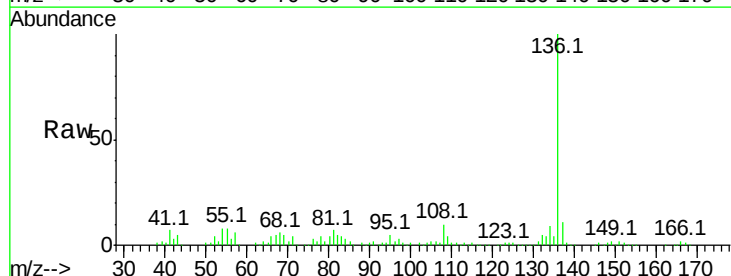
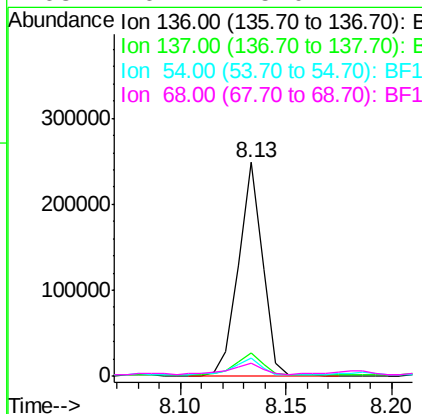
Instrument :
BNA_F
ClientSampleId :

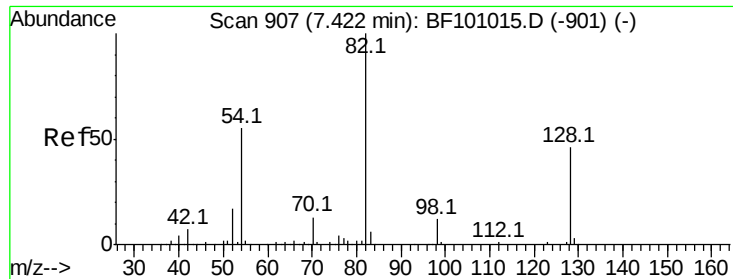
Tot Ion:117 Resp: 14092
Ion Ratio Lower Upper
117 100
119 392.2 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Tgt Ion:136 Resp: 195563
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.2 6.6 9.8
68 6.2 5.0 7.4

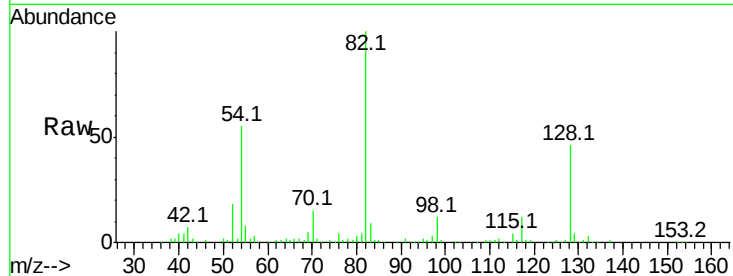




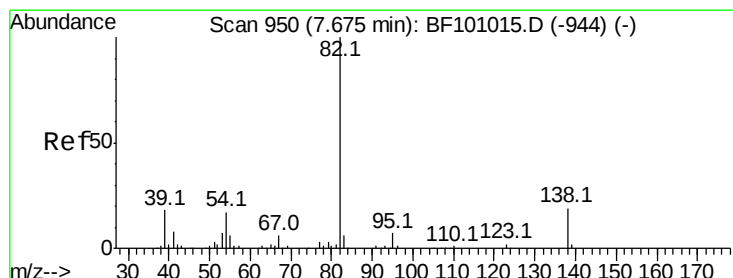
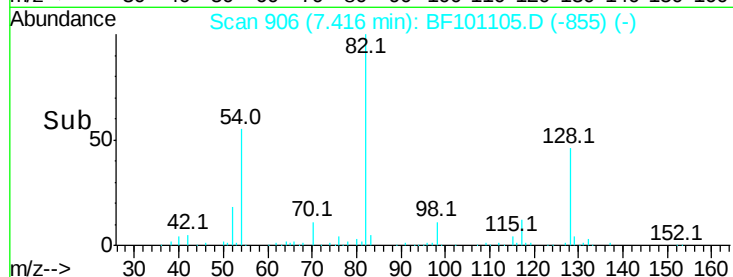
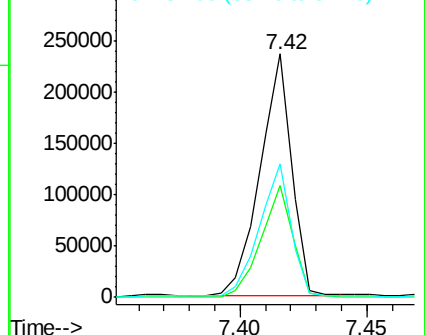
#23
Nitrobenzene-d5
Concen: 62.816 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 205931
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 55.0 41.4 62.2

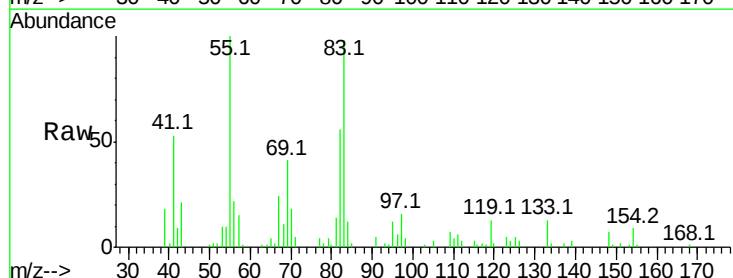


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

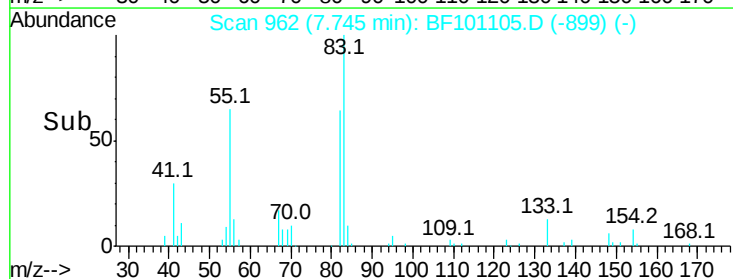
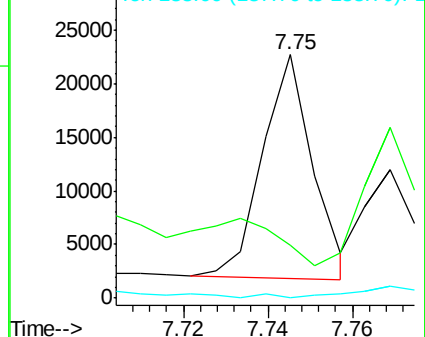


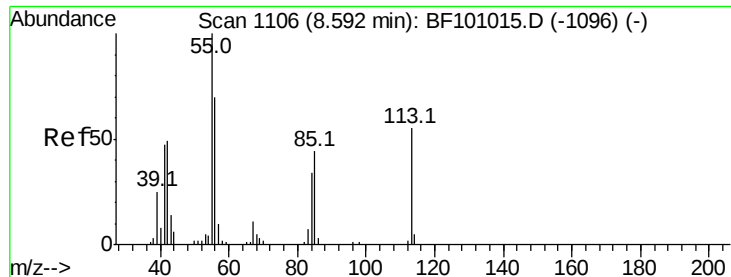
#25
Isophorone
Concen: 3.090 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.07 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Tgt Ion: 82 Resp: 17306
Ion Ratio Lower Upper
82 100
95 21.7 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

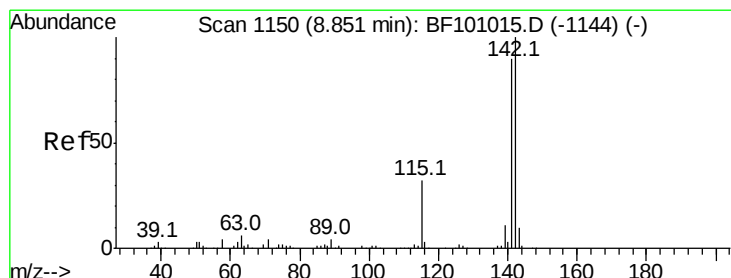
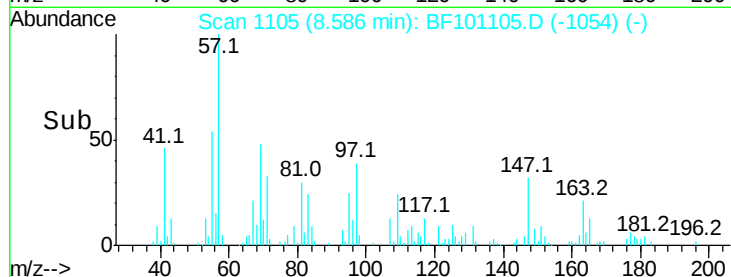
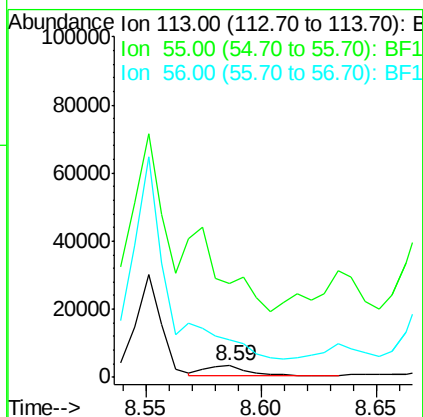
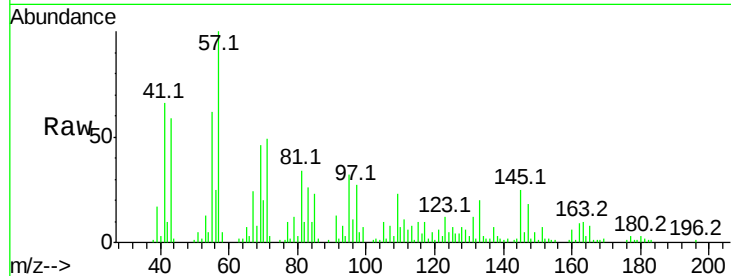




#35
 Caprolactam
 Concen: 4.132 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

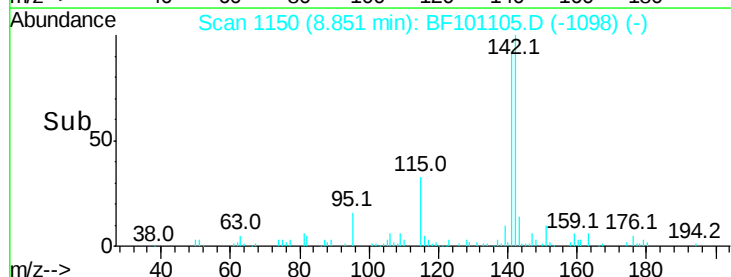
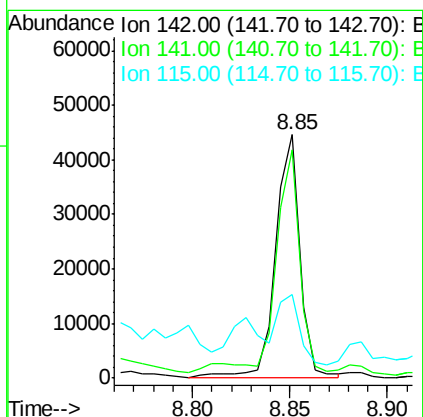
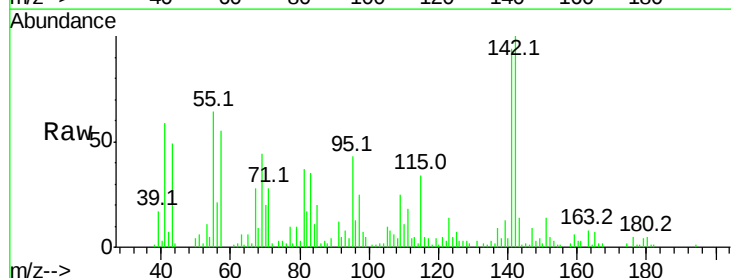
Instrument :
 BNA_F
 ClientSampleId :

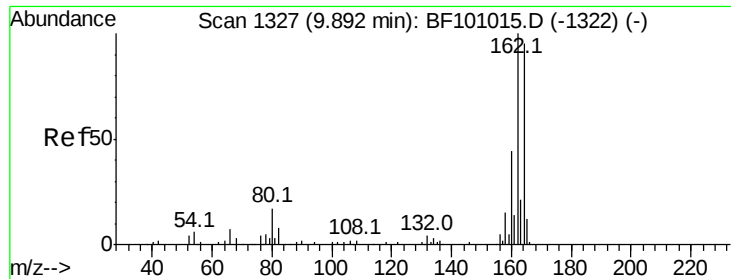
Tot Ion:113 Resp: 3576
 Ion Ratio Lower Upper
 113 100
 55 824.6 163.3 203.3#
 56 326.9 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 5.960 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

Tgt Ion:142 Resp: 39035
 Ion Ratio Lower Upper
 142 100
 141 93.9 70.8 106.2
 115 34.3 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

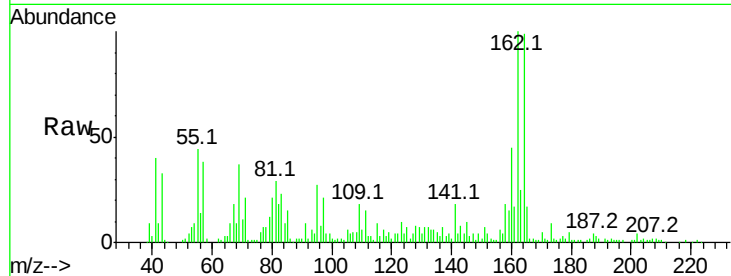
Tot Ion:164 Resp: 81264

Ion Ratio Lower Upper

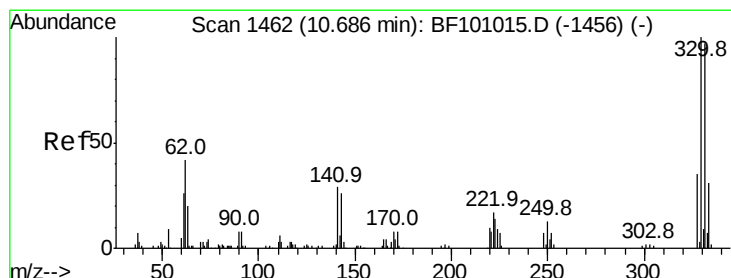
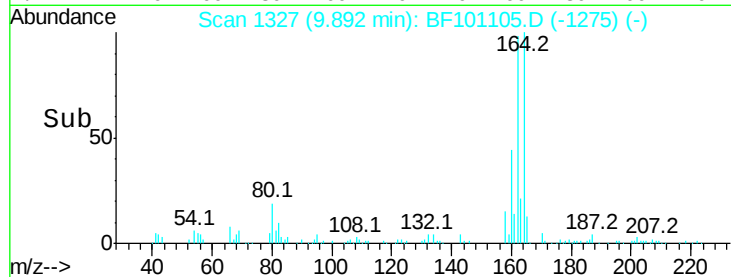
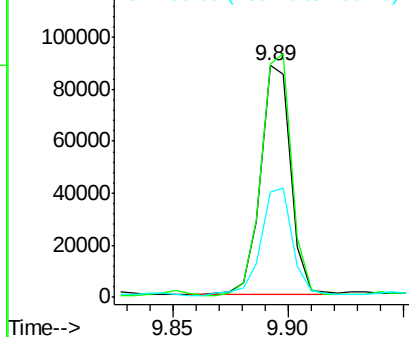
164 100

162 101.0 86.1 129.1

160 45.7 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: 69.646 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

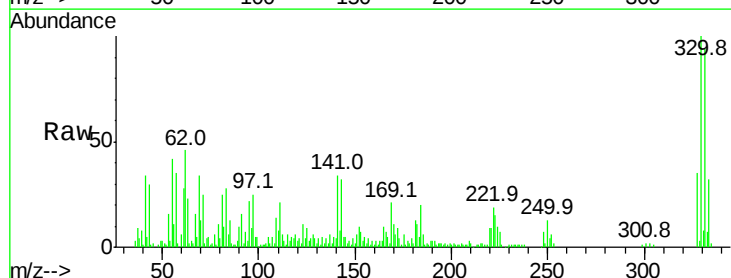
Tgt Ion:330 Resp: 67989

Ion Ratio Lower Upper

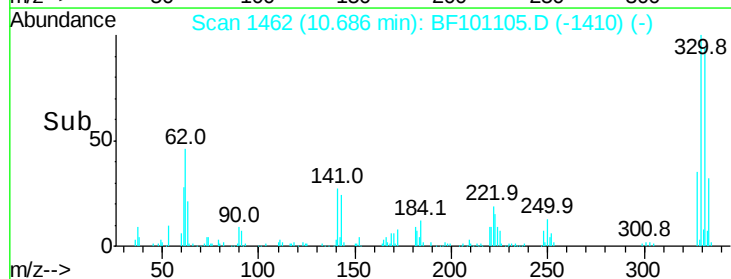
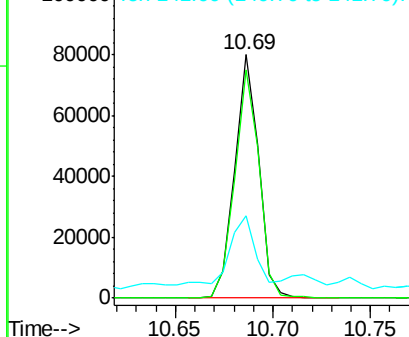
330 100

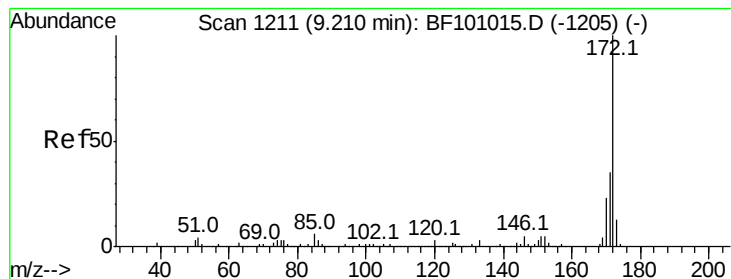
332 95.3 77.0 115.6

141 31.1 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

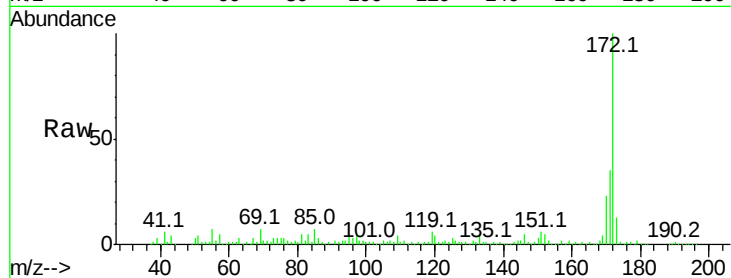




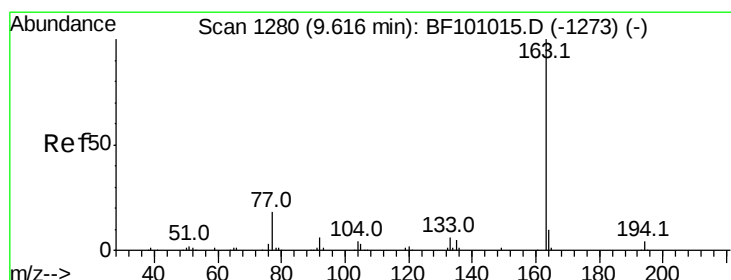
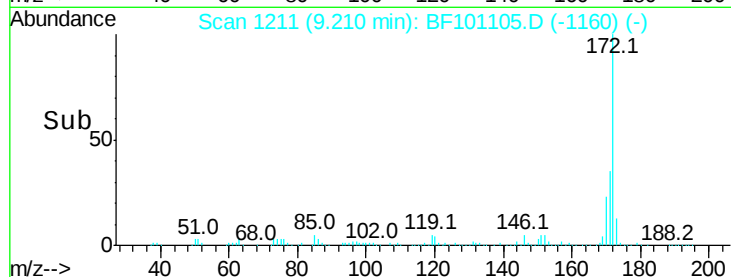
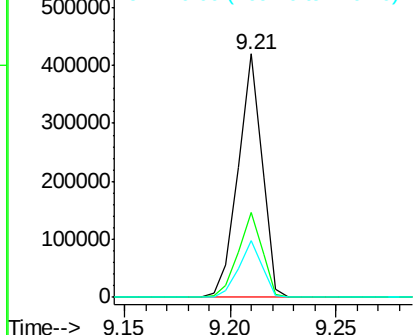
#44
2-Fluorobiphenyl
Concen: 55.321 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 328578
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.1 19.6 29.4

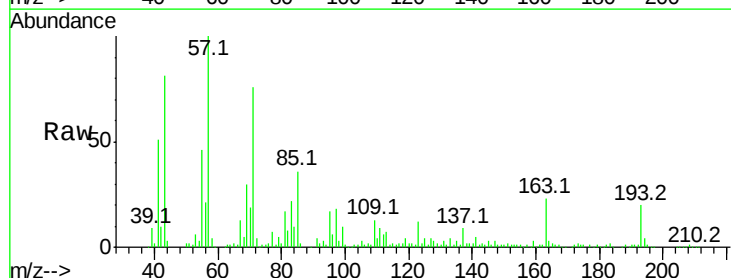


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

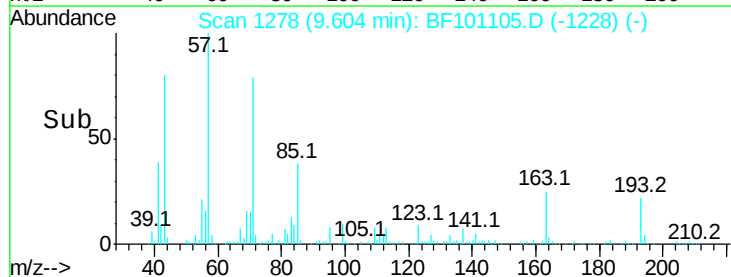
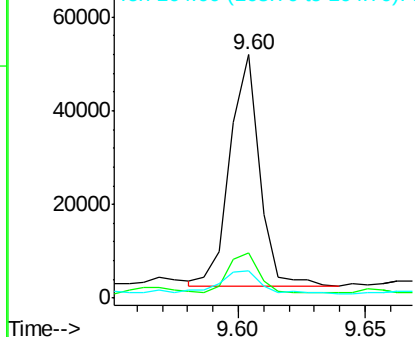


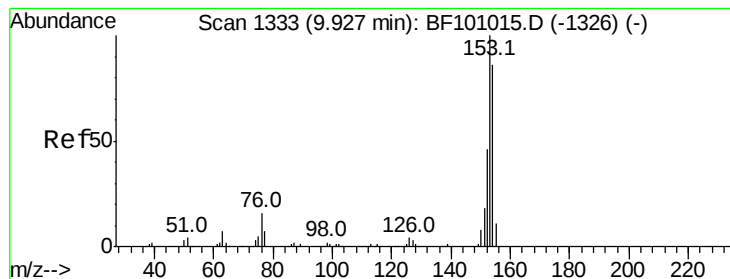
#49
Dimethylphthalate
Concen: 6.154 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Tgt Ion:163 Resp: 40335
Ion Ratio Lower Upper
163 100
194 18.6 2.7 4.1#
164 11.4 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





#51

Acenaphthene

Concen: 3.122 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

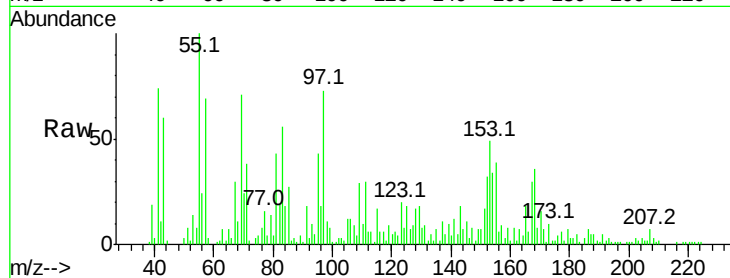
Tot Ion:154 Resp: 16245

Ion Ratio Lower Upper

154 100

153 145.5 91.2 136.8#

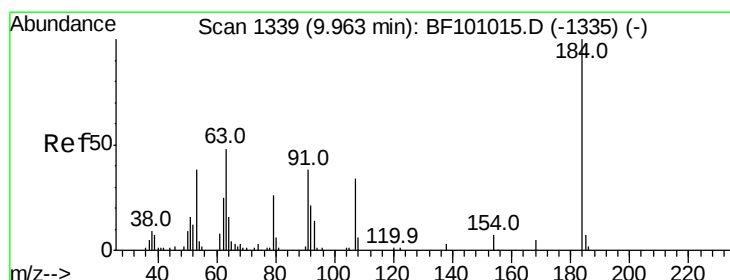
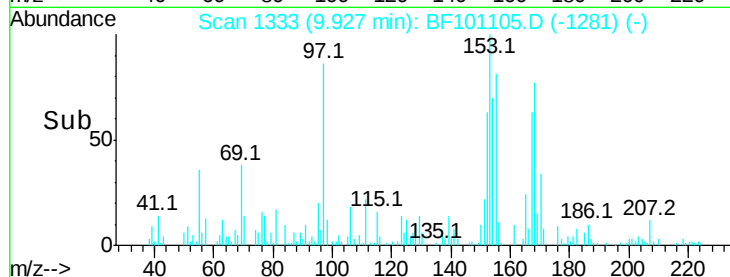
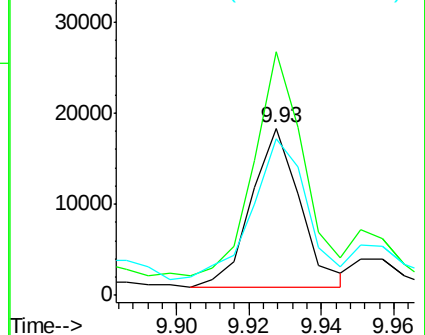
152 93.9 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 5.298 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.13 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

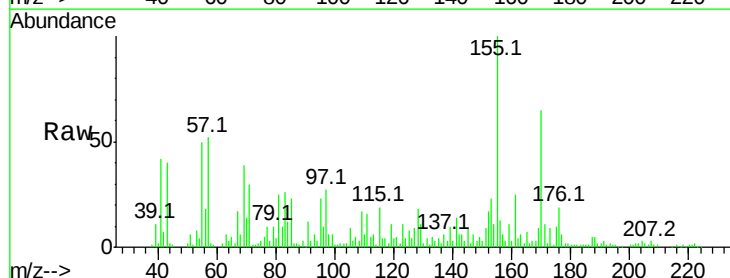
Tgt Ion:184 Resp: 356

Ion Ratio Lower Upper

184 100

63 864.8 54.2 81.2#

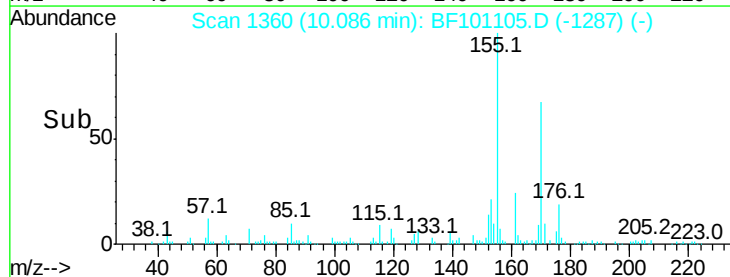
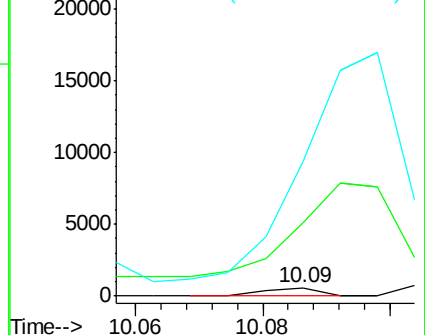
154 1594.2 184.0 276.0#

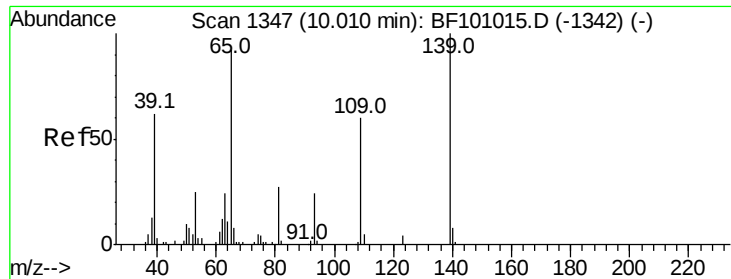


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

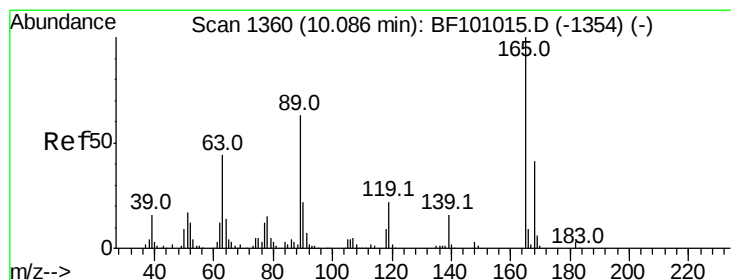
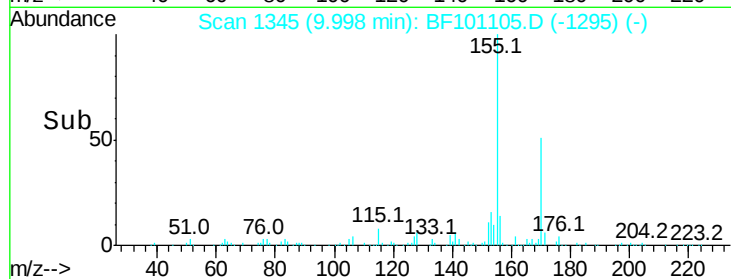
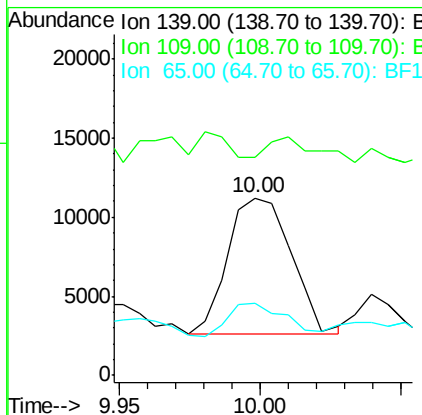
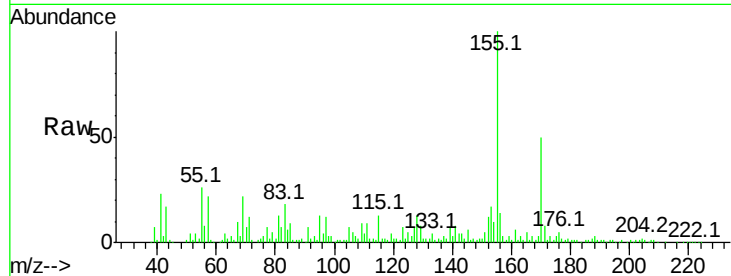




#55
4-Nitrophenol
Concen: 12.866 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

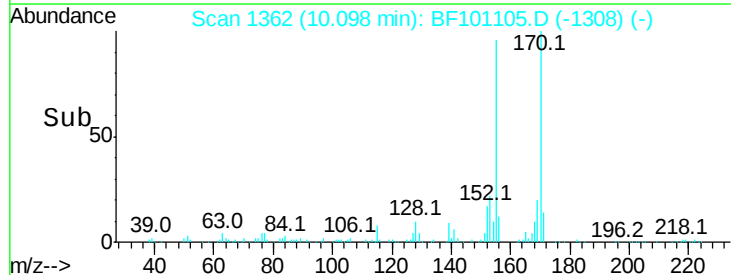
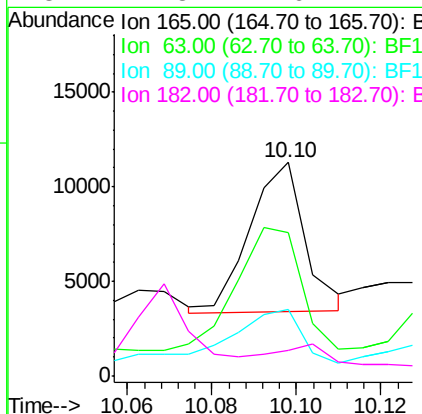
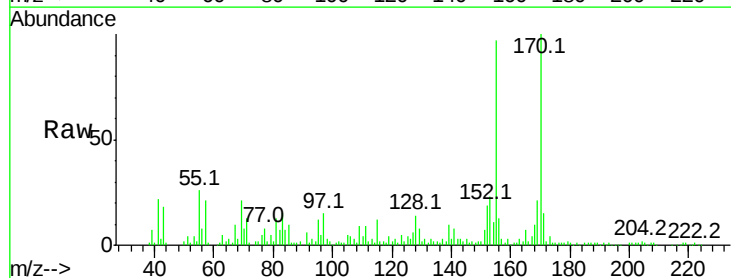
Instrument :
BNA_F
ClientSampleId :

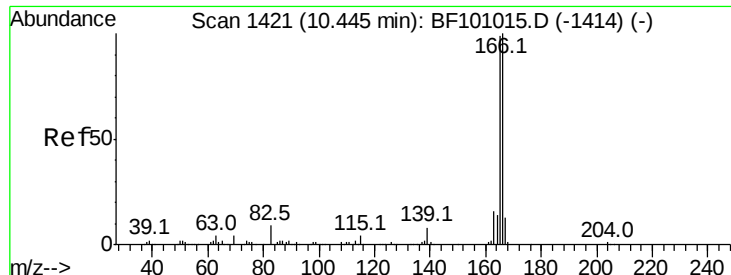
Tot Ion:139 Resp: 13469
Ion Ratio Lower Upper
139 100
109 122.5 48.4 88.4#
65 40.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.889 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.02 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Tgt Ion:165 Resp: 7194
Ion Ratio Lower Upper
165 100
63 67.4 36.4 54.6#
89 31.4 57.8 86.6#
182 11.8 1.6 2.4#

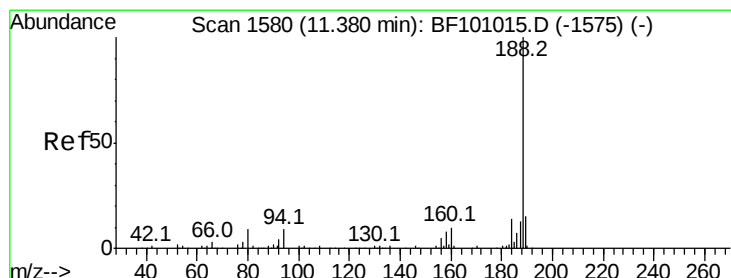
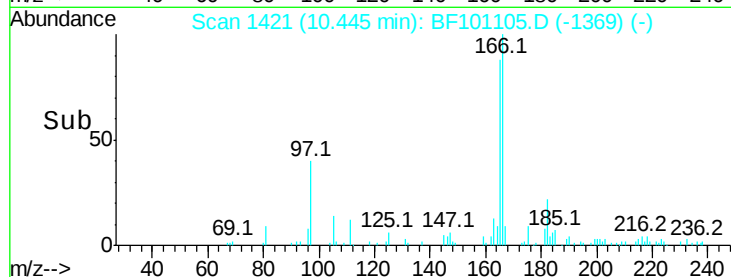
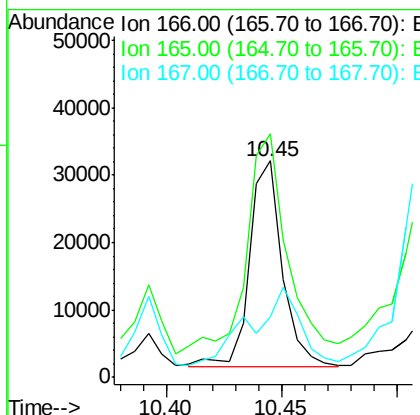
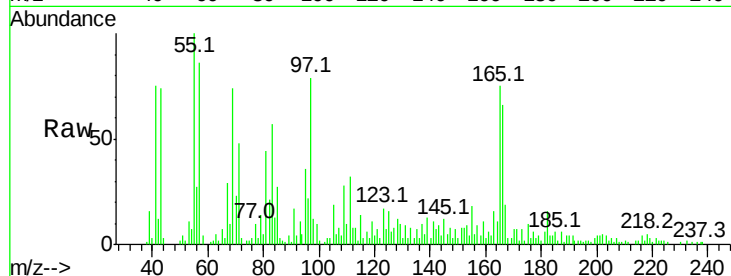




#57
 Fluorene
 Concen: 4.987 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

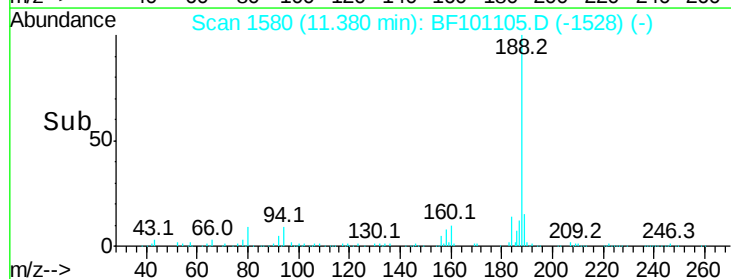
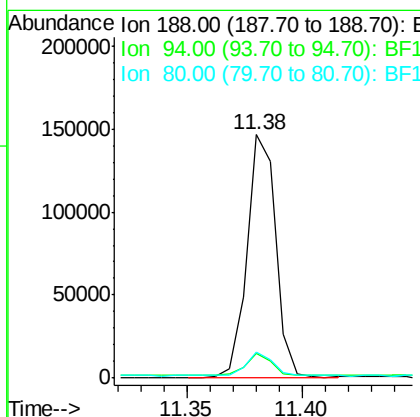
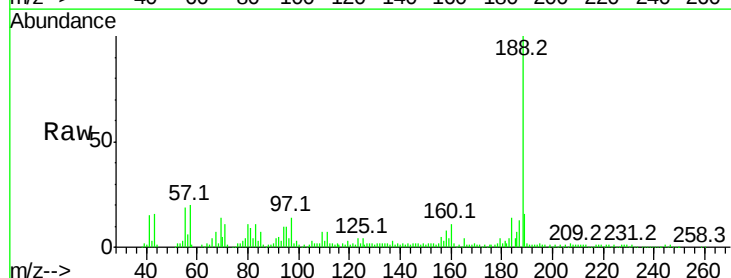
Instrument :
 BNA_F
 ClientSampled :

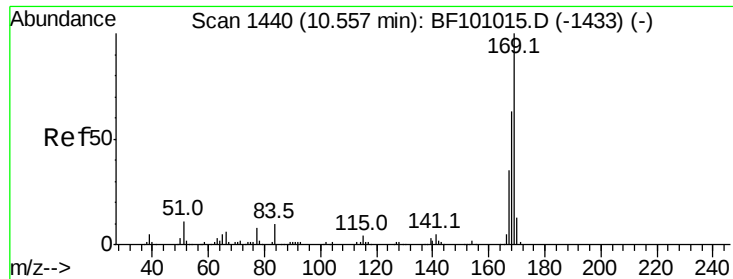
Tot Ion:166 Resp: 30400
 Ion Ratio Lower Upper
 166 100
 165 112.4 79.8 119.8
 167 28.0 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

Tgt Ion:188 Resp: 126965
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.5 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 10.821 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

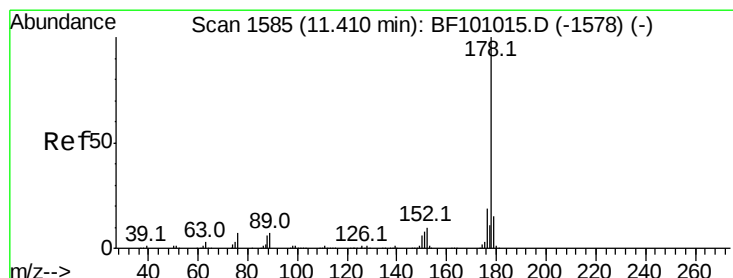
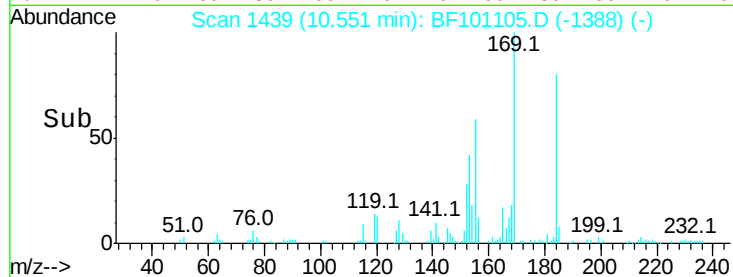
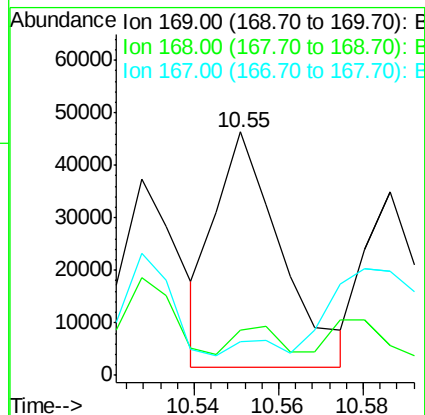
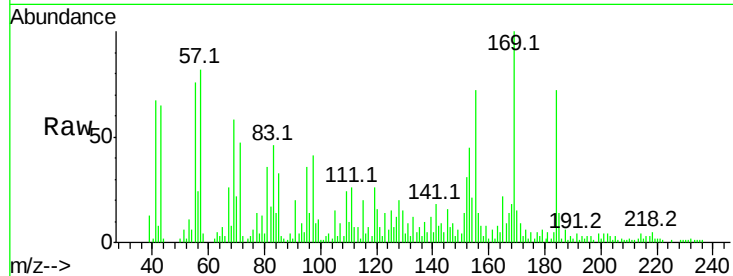
Tot Ion:169 Resp: 48470

Ion Ratio Lower Upper

169 100

168 18.3 54.4 81.6#

167 13.7 29.8 44.6#



#70

Phenanthrene

Concen: 8.706 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF101105.D

Acq: 4 Dec 2017 18:29

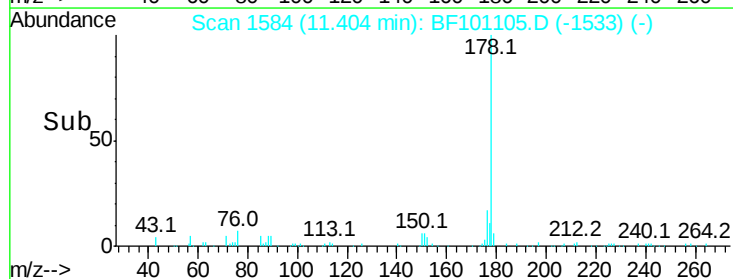
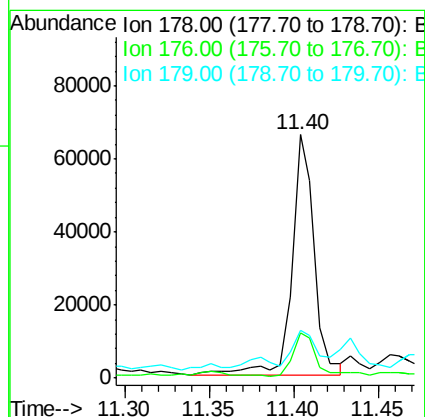
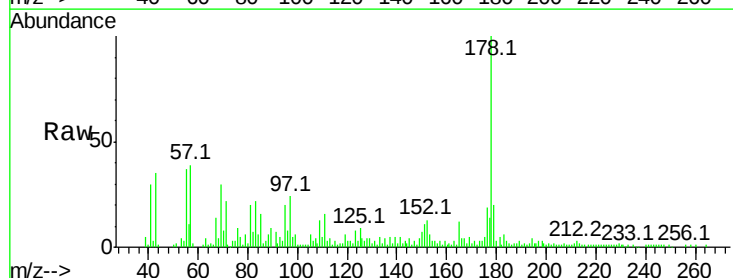
Tgt Ion:178 Resp: 60873

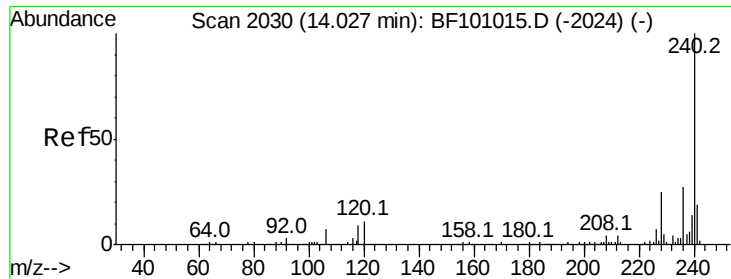
Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

179 19.7 13.0 19.6#

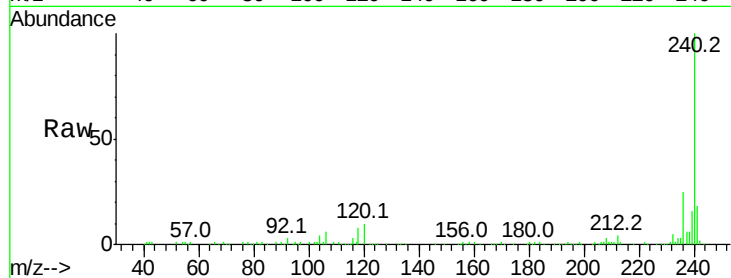




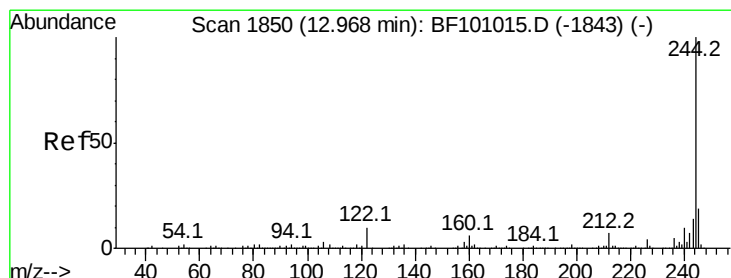
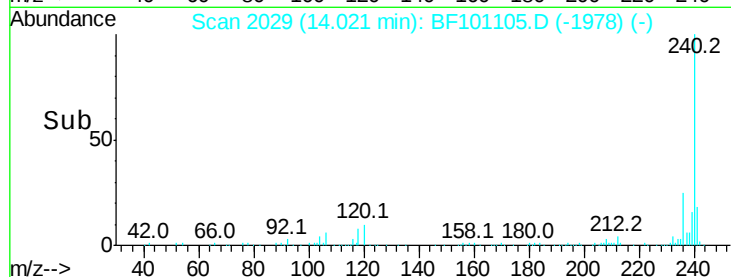
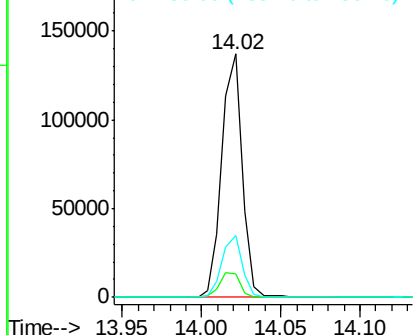
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 123002
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.5 14.3
 236 25.4 20.7 31.1

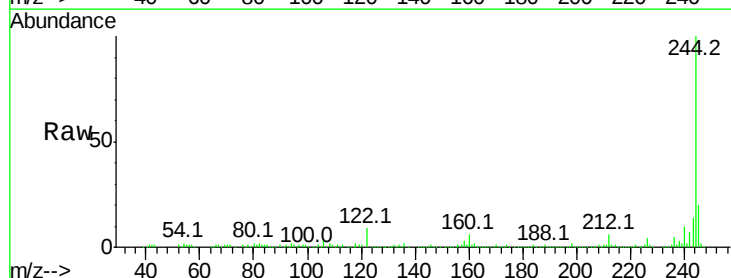


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

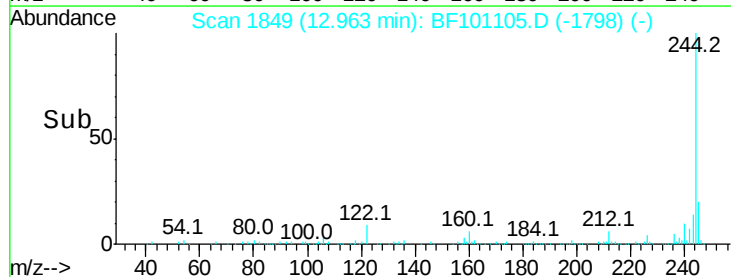
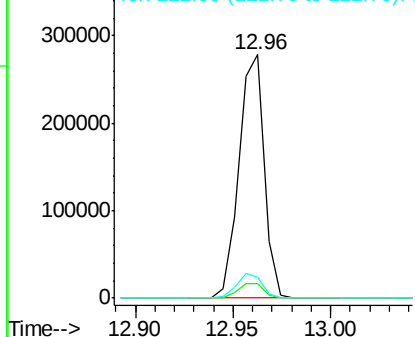


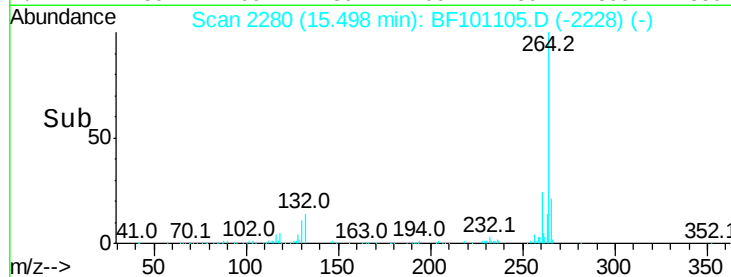
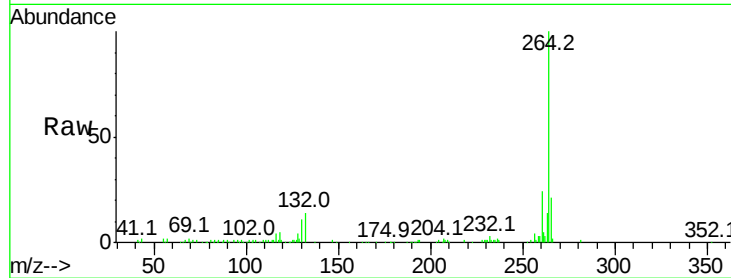
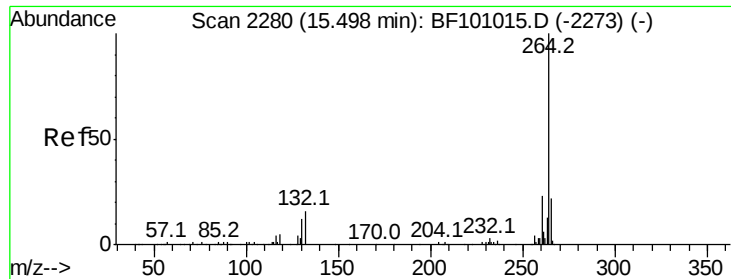
#78
 Terphenyl-d14
 Concen: 44.328 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF101105.D
 Acq: 4 Dec 2017 18:29

Tgt Ion:244 Resp: 249282
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 8.8 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: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101105.D
Acq: 4 Dec 2017 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3

