

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101360.D
 Acq On : 13 Dec 2017 5:58
 Operator : SJ/JU
 Sample : I6764-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 06:29:21 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	40577	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	148322	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60206	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	102927	20.00	ng	0.00
75) Chrysene-d12	14.01	240	82003	20.00	ng	0.00
86) Perylene-d12	15.49	264	62409	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	233797	95.21	ng	0.00
7) Phenol-d6	6.46	99	279128	93.63	ng	0.00
23) Nitrobenzene-d5	7.39	82	154651	62.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	51782	71.60	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	340917	77.47	ng	0.00
78) Terphenyl-d14	12.94	244	280906	74.93	ng	0.00

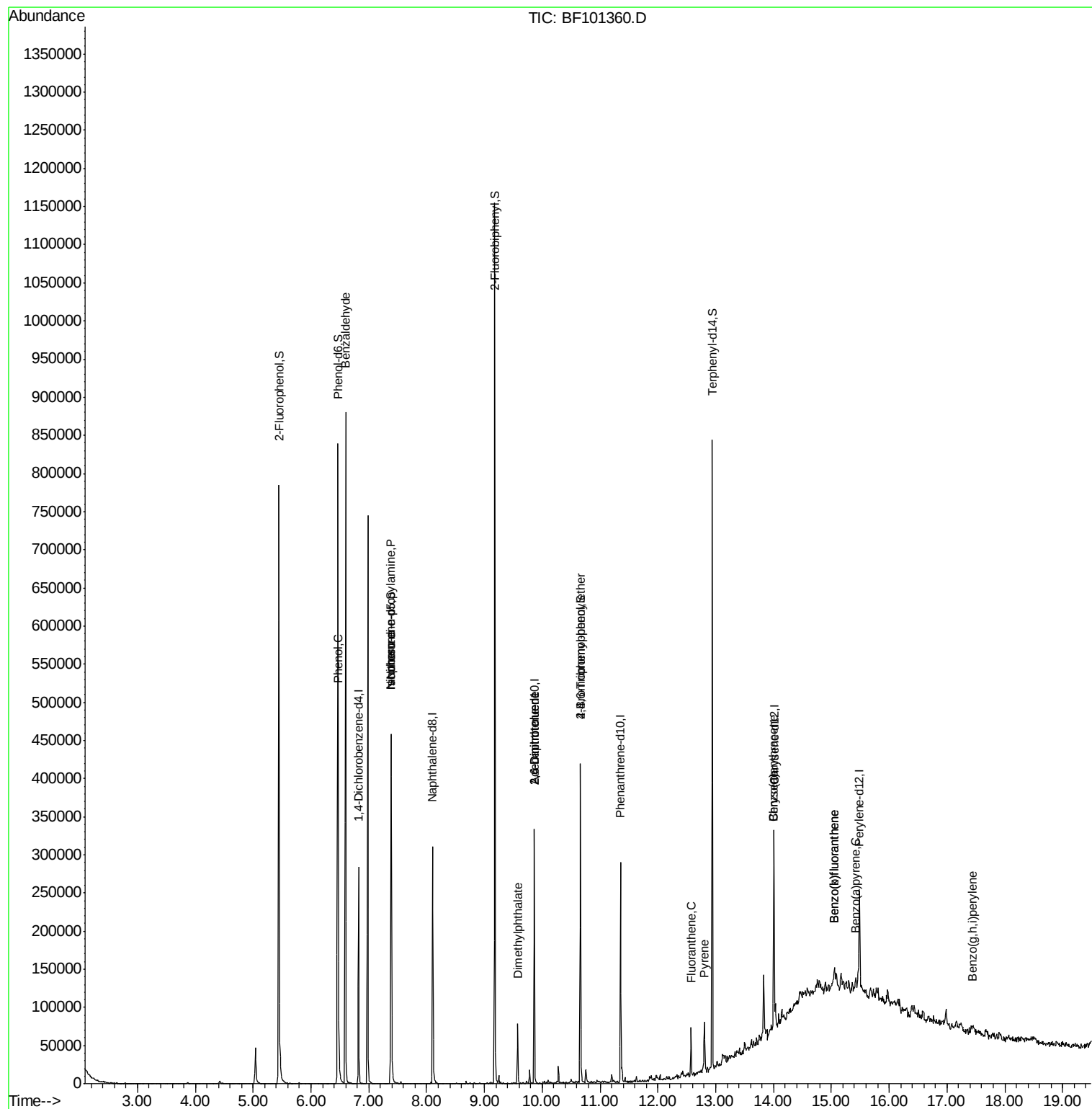
Target Compounds				Qvalue		
9) Benzaldehyde	6.60	77	5109	2.800	ng	82
10) Phenol	6.47	94	10368	3.128	ng	79
19) n-Nitroso-di-n-propylamine	7.39	70	20069	9.996	ng	# 84
25) Isophorone	7.39	82	154649	36.413	ng	# 64
49) Dimethylphthalate	9.57	163	31128	6.411	ng	99
50) 2,6-Dinitrotoluene	9.86	165	7166	7.007	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	7166	5.229	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3030	2.630	ng	# 1
74) Fluoranthene	12.57	202	23395	3.724	ng	94
77) Pyrene	12.80	202	24418	4.315	ng	98
80) Benzo(a)anthracene	14.00	228	13522	2.612	ng	# 92
82) Chrysene	14.00	228	13522	2.812	ng	96
87) Benzo(b)fluoranthene	15.06	252	19371	5.182	ng	# 78
88) Benzo(k)fluoranthene	15.06	252	19371	5.260	ng	# 82
89) Benzo(a)pyrene	15.43	252	10608	3.121	ng	# 83
91) Benzo(g,h,i)perylene	17.44	276	7176	2.542	ng	98

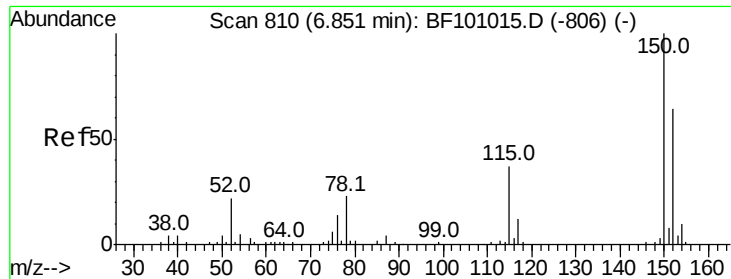
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
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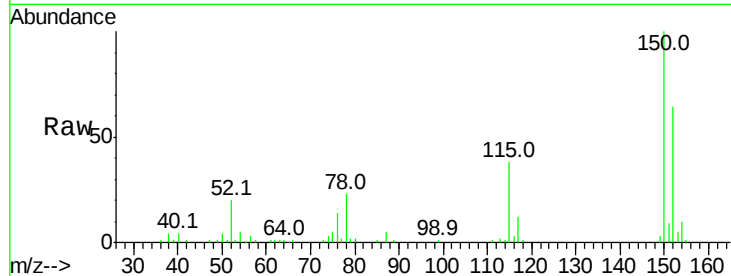


#1

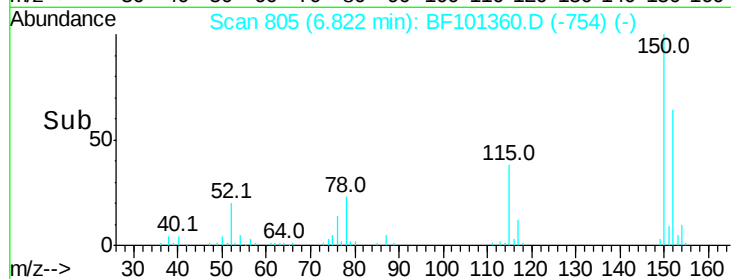
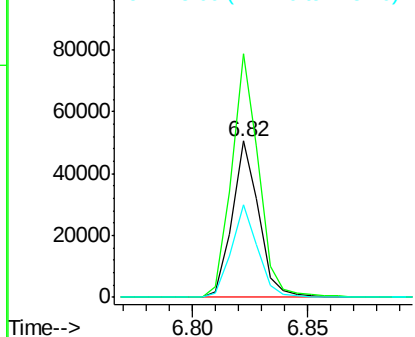
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40577
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 58.8 50.1 75.1



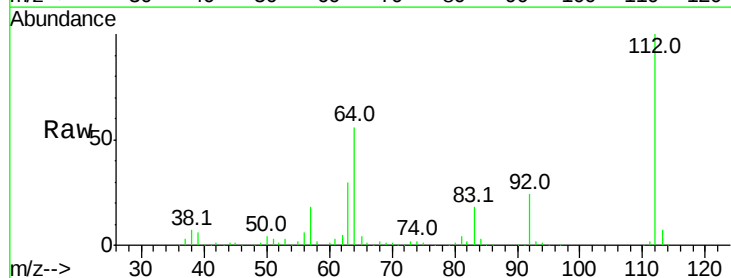
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



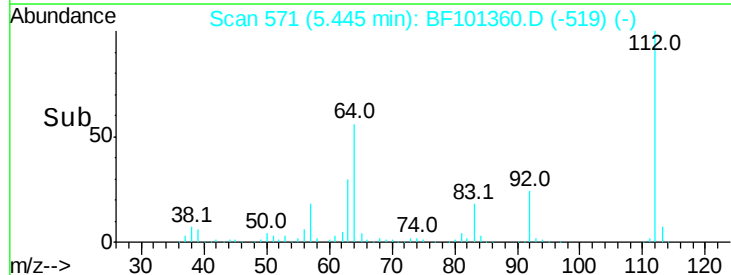
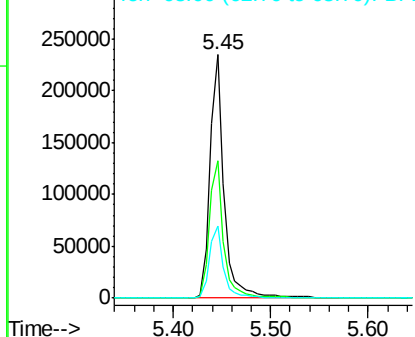
#5

2-Fluorophenol
Concen: 95.211 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Tgt Ion:112 Resp: 233797
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.5 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: 93.626 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

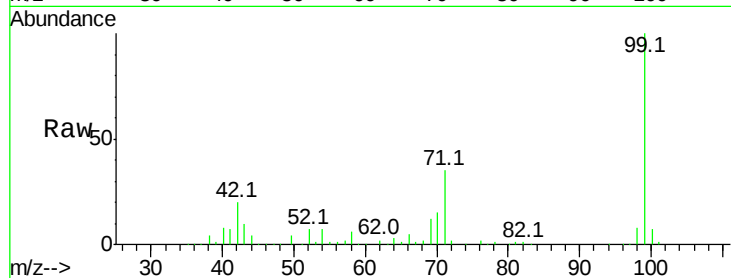
Tot Ion: 99 Resp: 279128

Ion Ratio Lower Upper

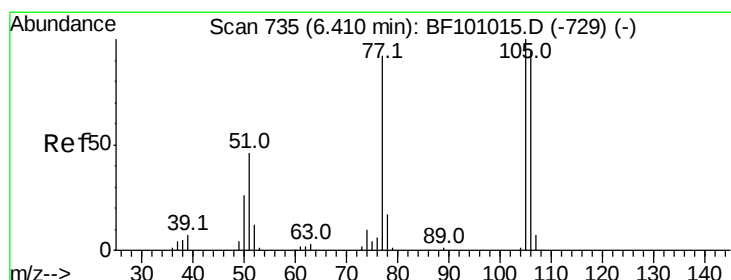
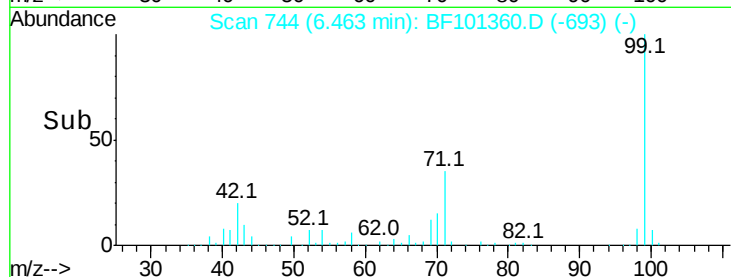
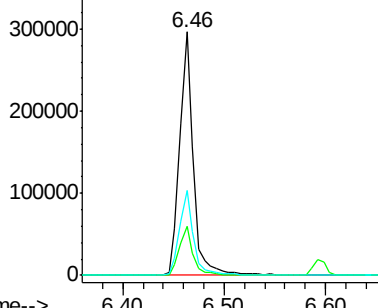
99 100

42 20.3 14.5 21.7

71 34.8 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: 2.800 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

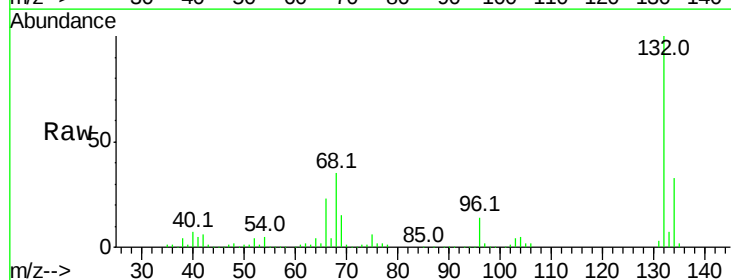
Tgt Ion: 77 Resp: 5109

Ion Ratio Lower Upper

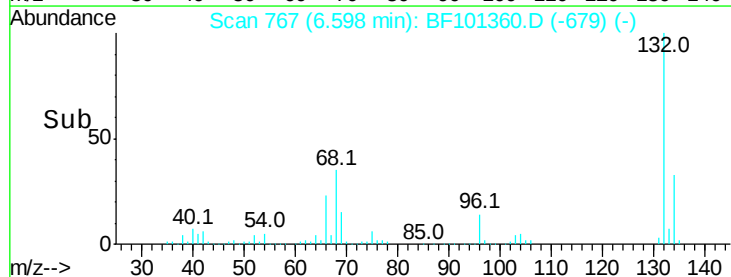
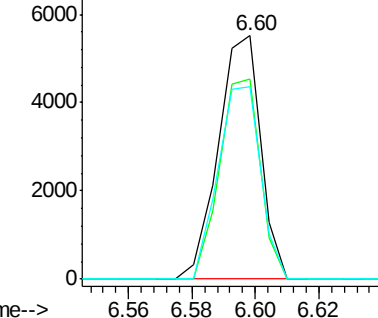
77 100

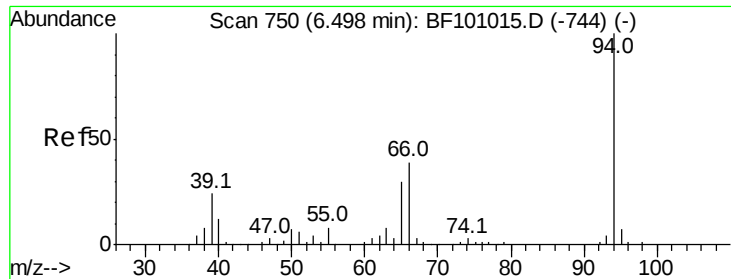
105 81.9 81.1 121.1

106 78.9 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

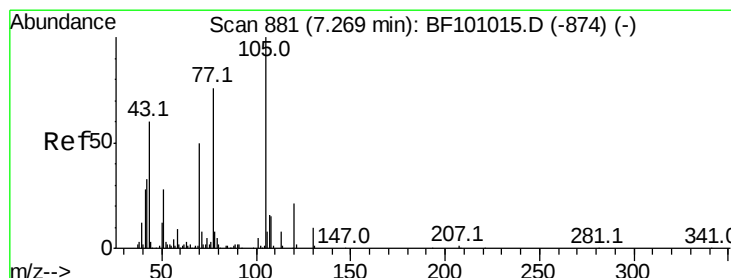
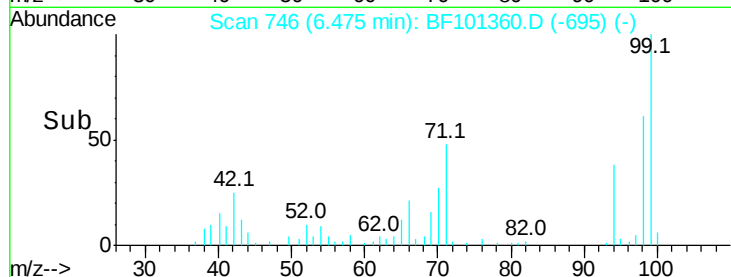
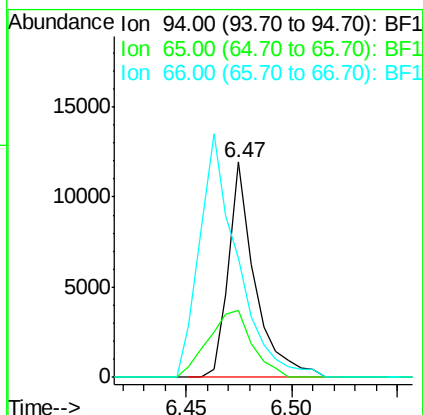
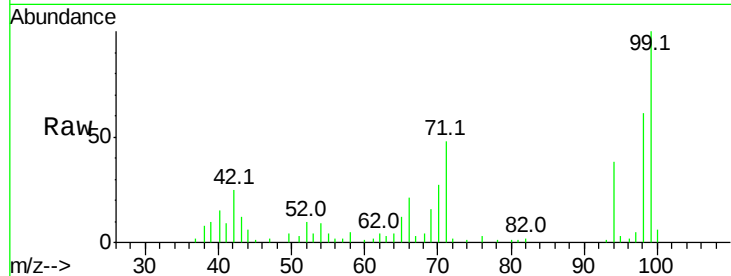




#10
Phenol
Concen: 3.128 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

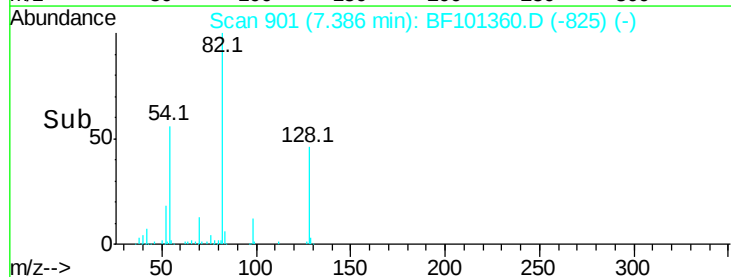
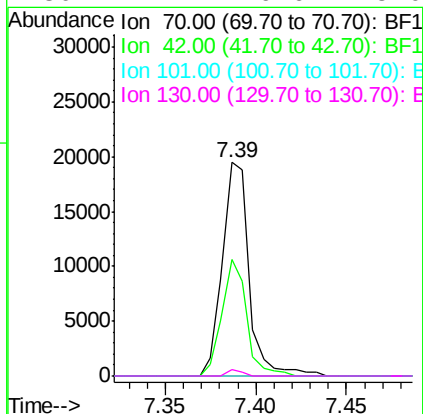
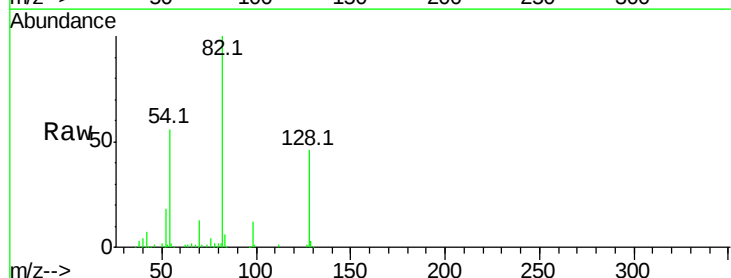
Instrument :
BNA_F
ClientSampleId :

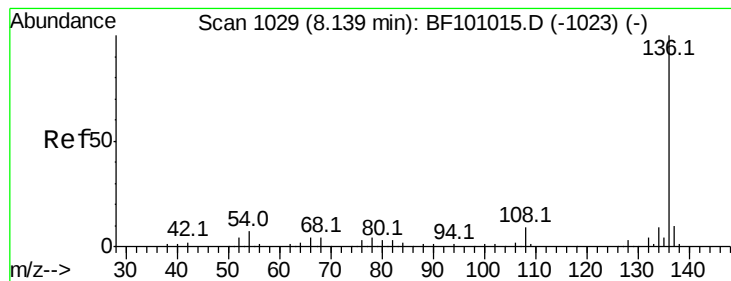
Tot Ion: 94 Resp: 10368
Ion Ratio Lower Upper
94 100
65 31.0 7.9 47.9
66 55.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.996 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Tgt Ion: 70 Resp: 20069
Ion Ratio Lower Upper
70 100
42 54.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 148322

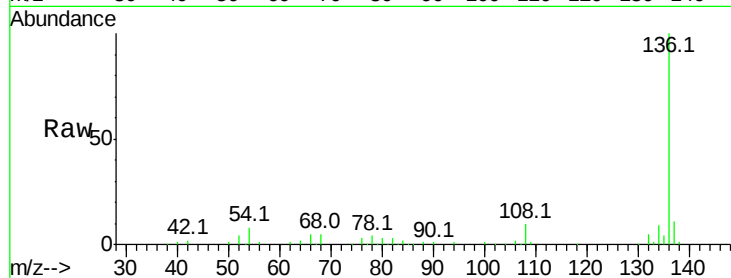
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.9 6.6 9.8

68 4.7 5.0 7.4#

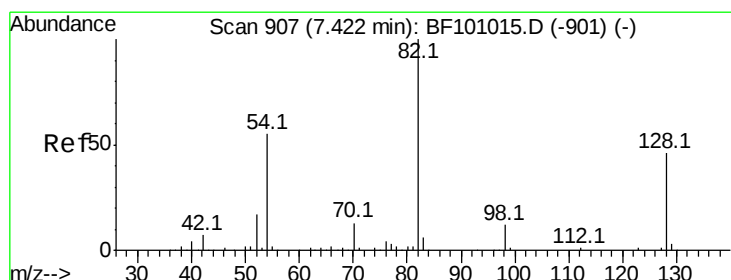
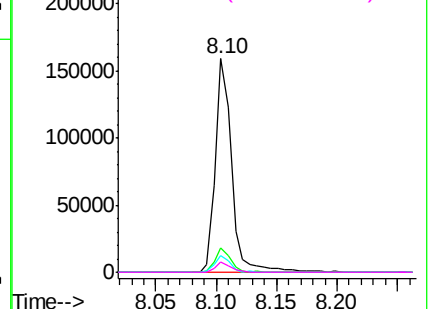
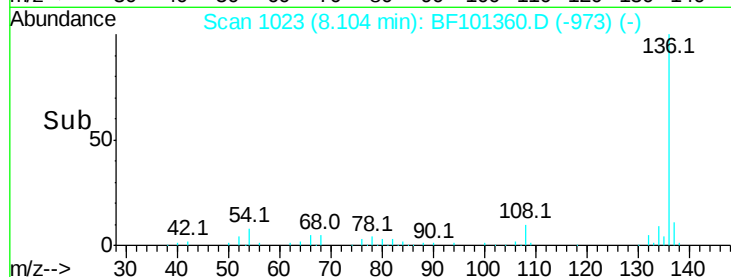


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.199 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

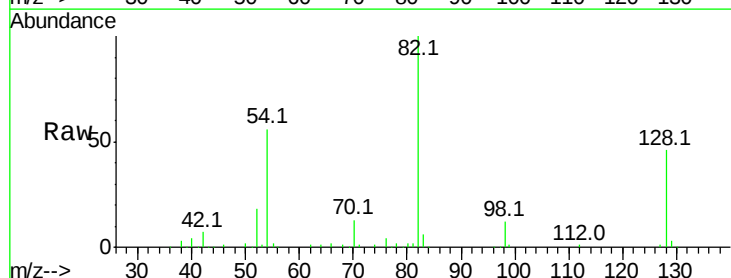
Tgt Ion: 82 Resp: 154651

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

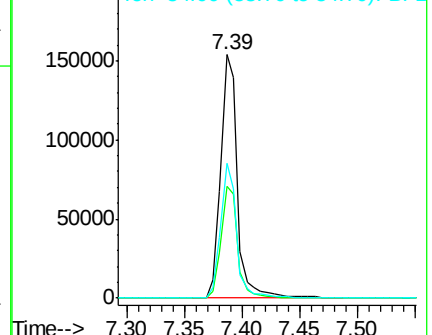
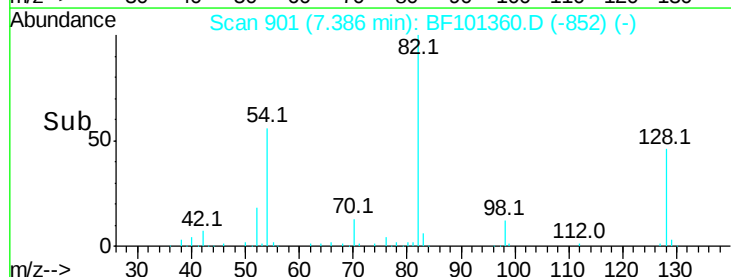
54 55.6 41.4 62.2

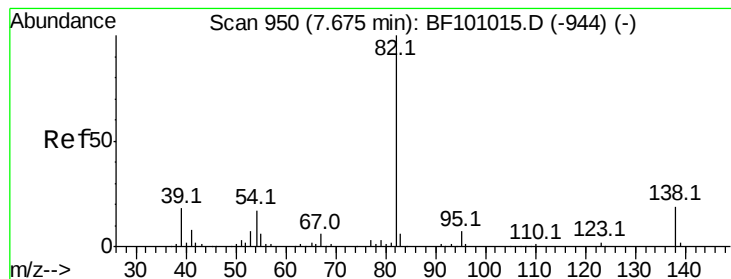


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.413 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

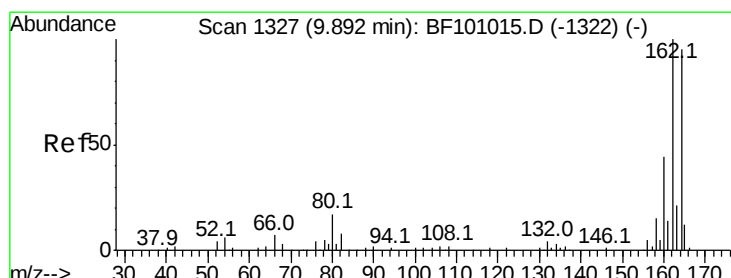
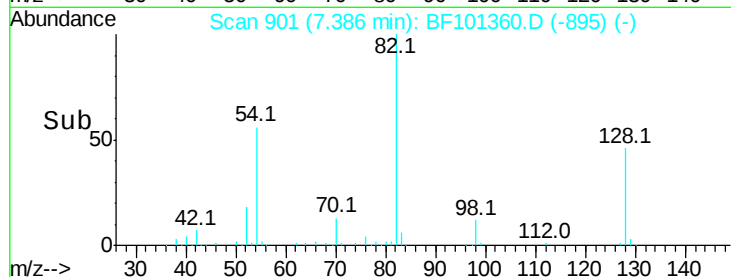
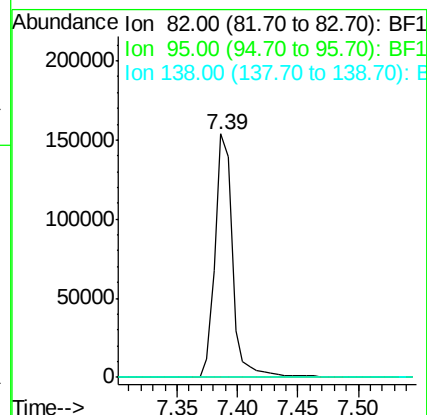
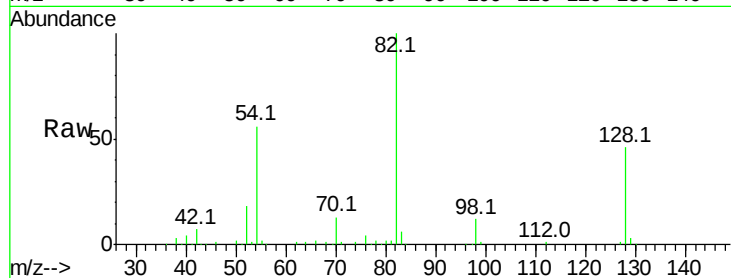
Tot Ion: 82 Resp: 154649

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

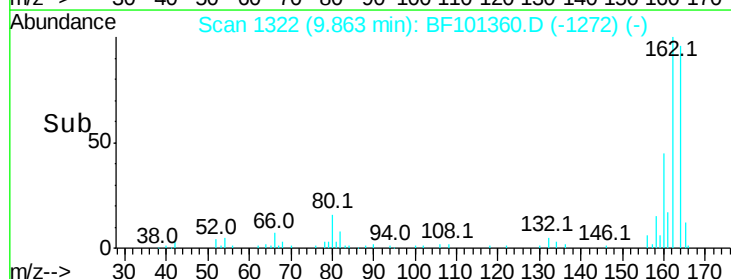
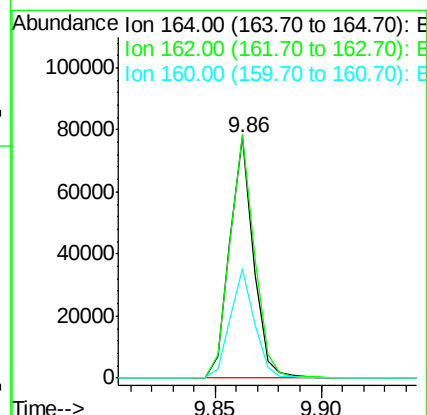
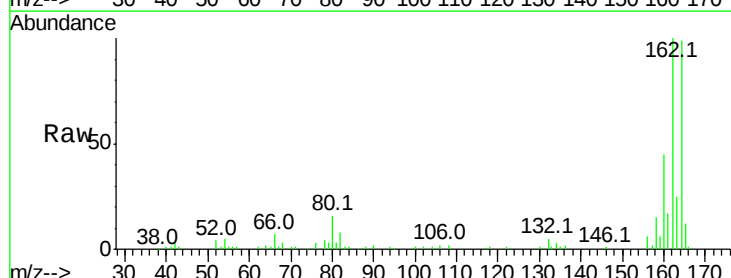
Tgt Ion:164 Resp: 60206

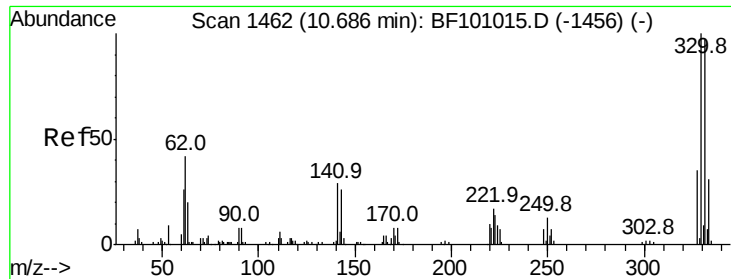
Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

160 45.5 38.3 57.5

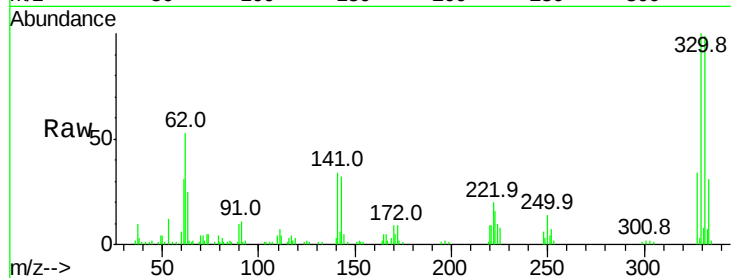




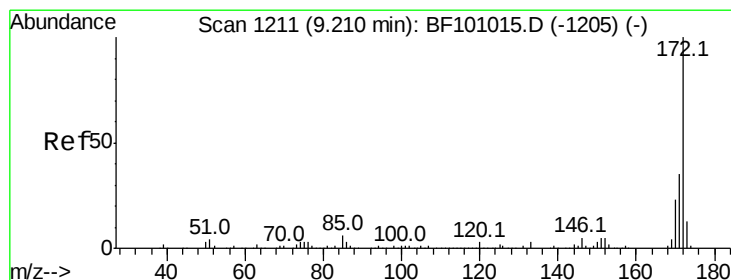
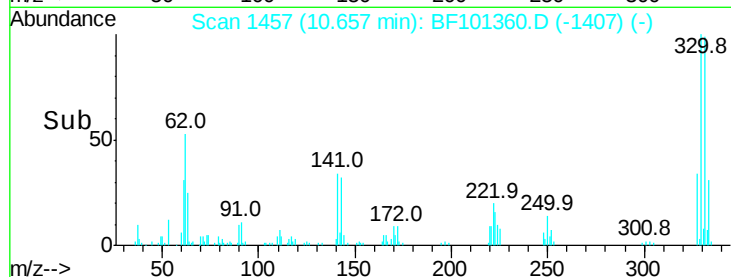
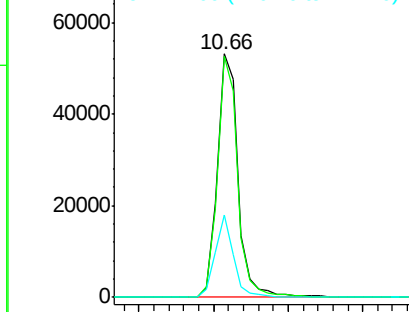
#41
 2,4,6-Tribromophenol
 Concen: 71.597 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101360.D
 Acq: 13 Dec 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 51782
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 29.2 29.9 44.9#

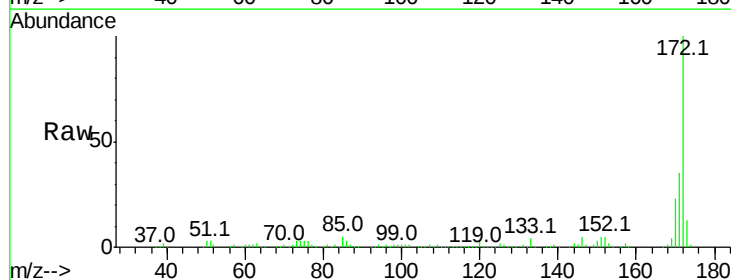


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

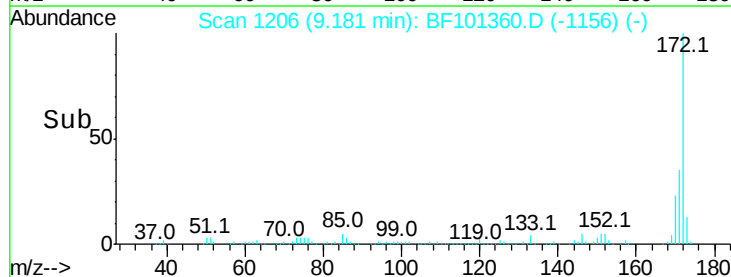
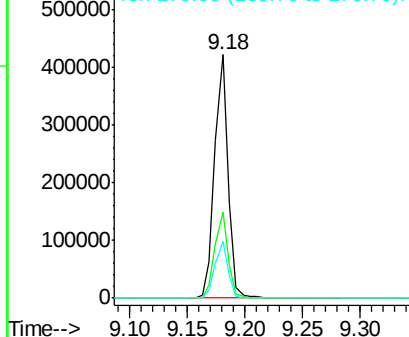


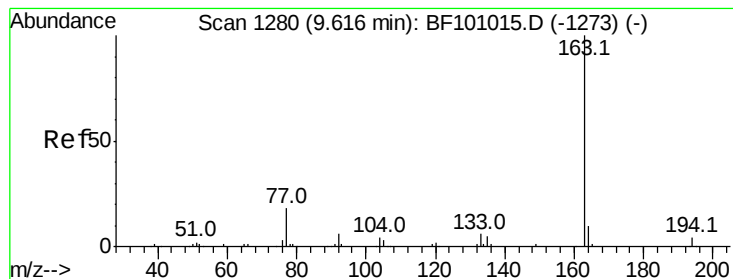
#44
 2-Fluorobiphenyl
 Concen: 77.474 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101360.D
 Acq: 13 Dec 2017 5:58

Tgt Ion:172 Resp: 340917
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 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: 6.411 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

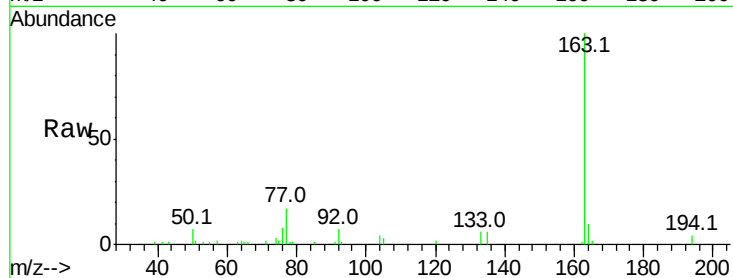
Tot Ion:163 Resp: 31128

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

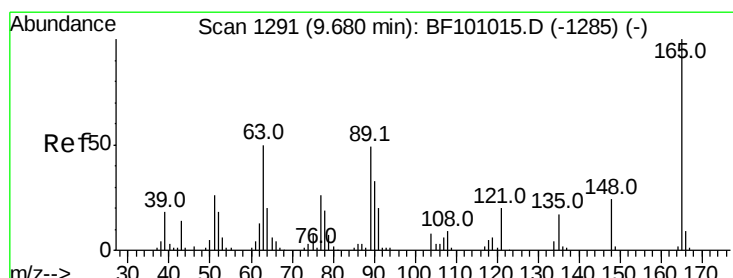
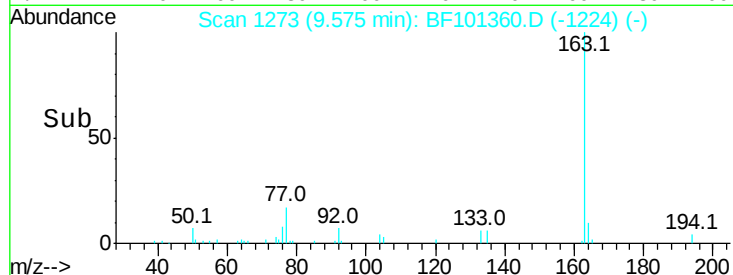
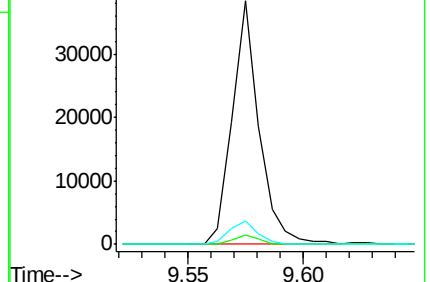
164 9.8 8.2 12.2



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: 7.007 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

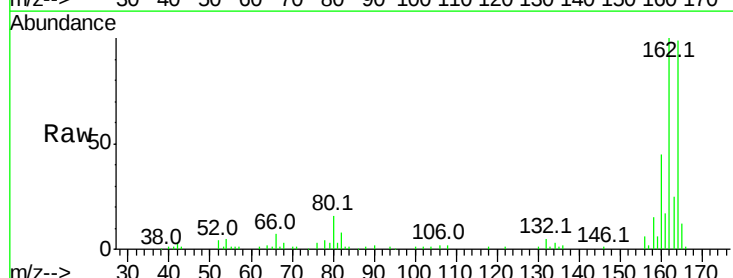
Tgt Ion:165 Resp: 7166

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

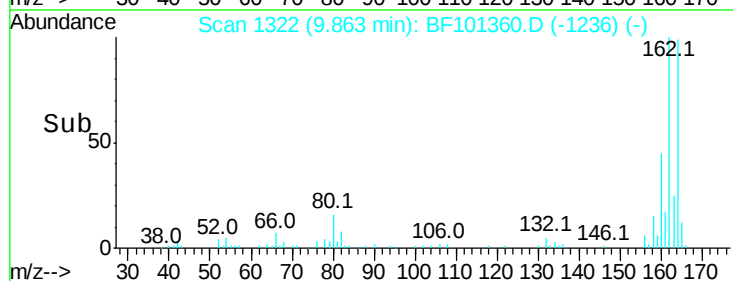
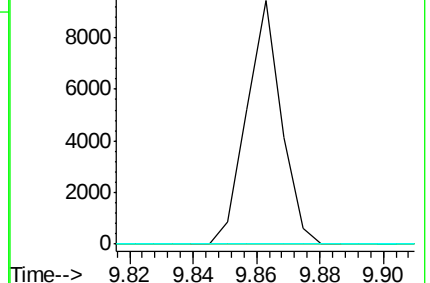
89 0.0 44.0 66.0#

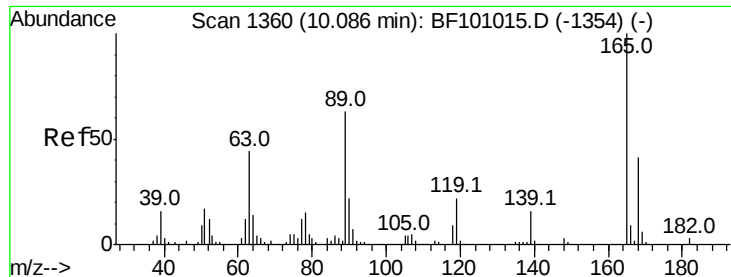


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 5.229 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 7166

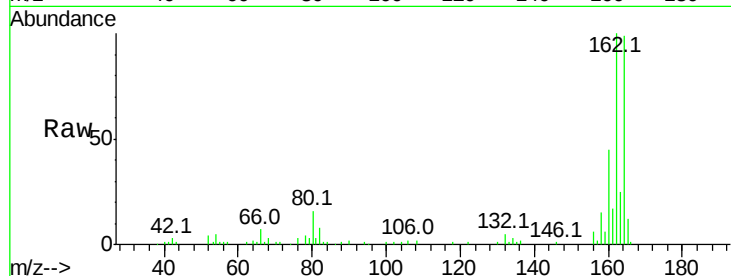
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

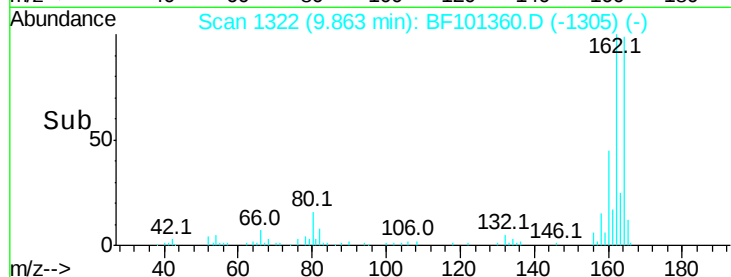


Abundance Ion 165.00 (164.70 to 165.70): E

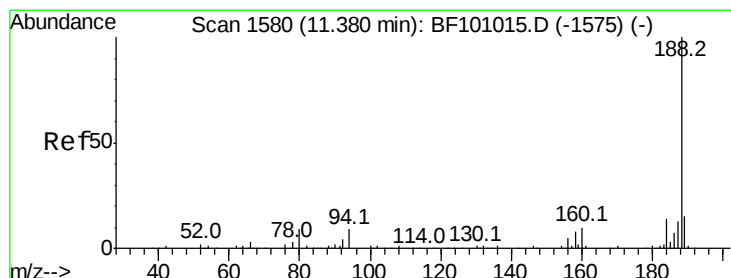
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time--> 9.82 9.84 9.86 9.88 9.90



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

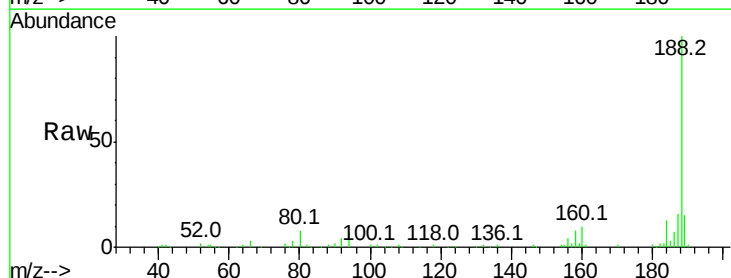
Tgt Ion:188 Resp: 102927

Ion Ratio Lower Upper

188 100

94 7.3 8.5 12.7#

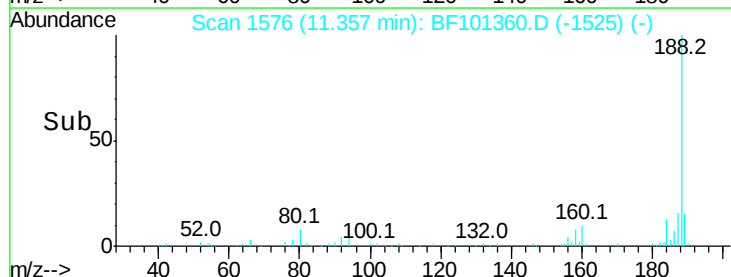
80 7.6 9.2 13.8#



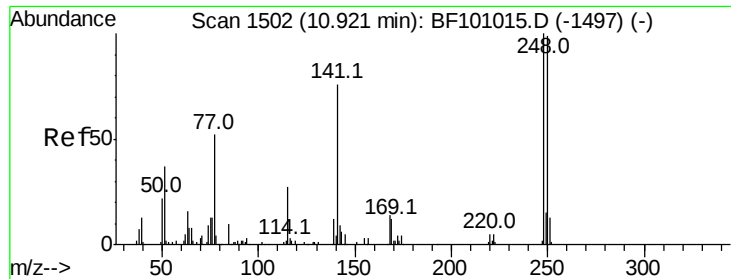
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



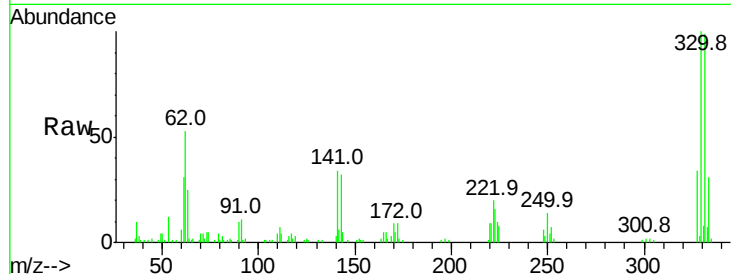
Time--> 11.30 11.35 11.40



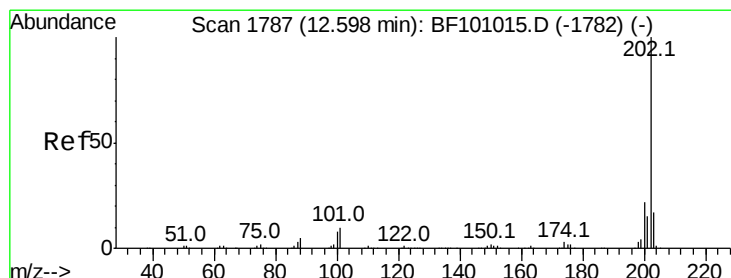
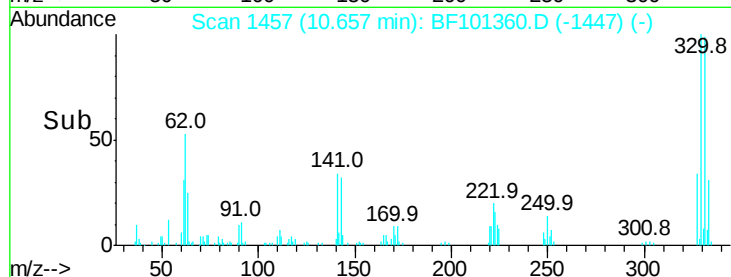
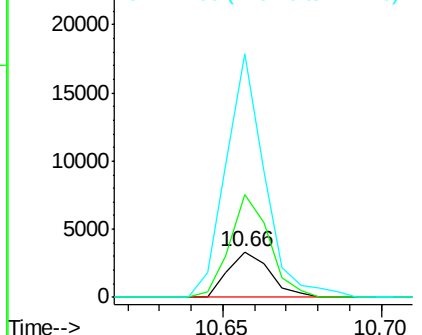
#66
4-Bromophenyl-phenylether
Concen: 2.630 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 3030
Ion Ratio Lower Upper
248 100
250 224.9 76.9 115.3#
141 535.7 74.4 111.6#

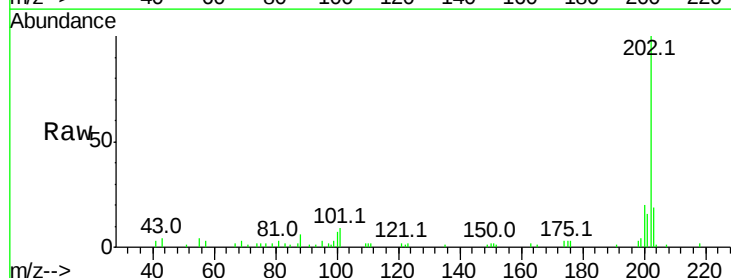


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

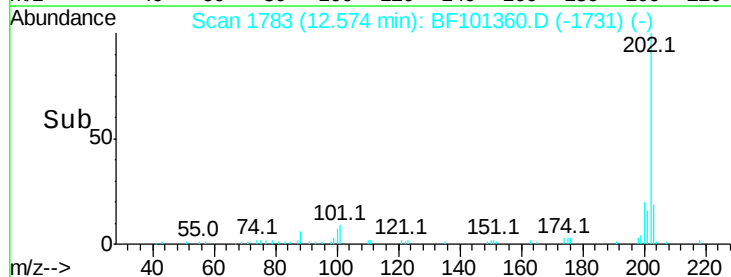
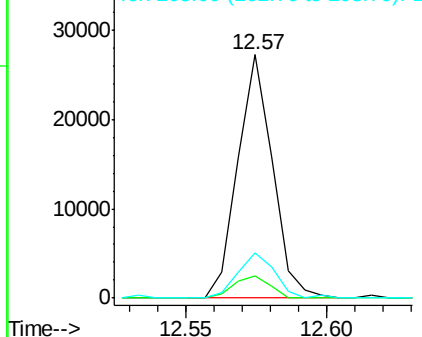


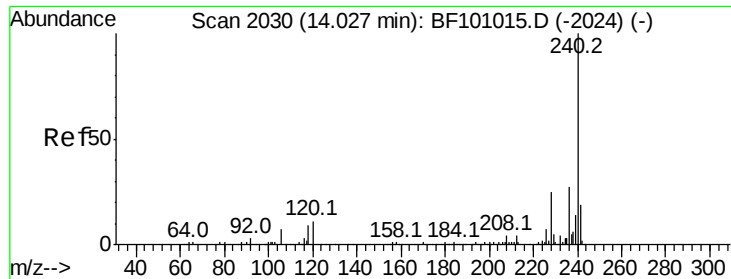
#74
Fluoranthene
Concen: 3.724 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Tgt Ion:202 Resp: 23395
Ion Ratio Lower Upper
202 100
101 9.1 0.0 34.1
203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

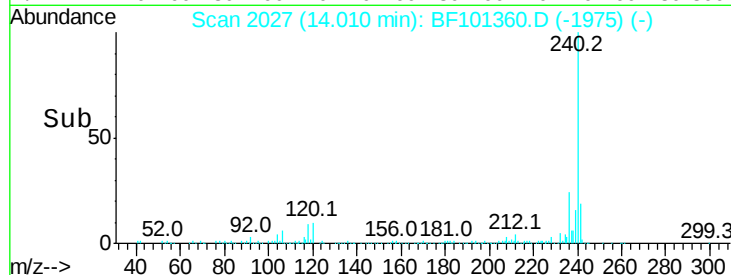
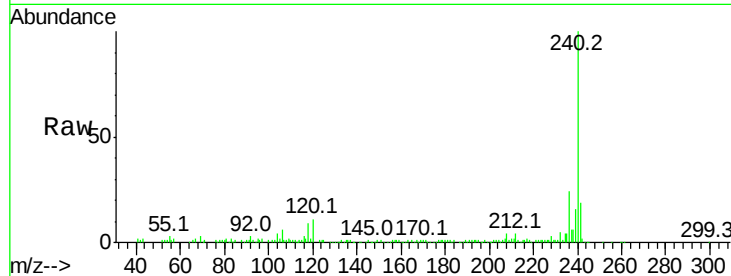
Tot Ion:240 Resp: 82003

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

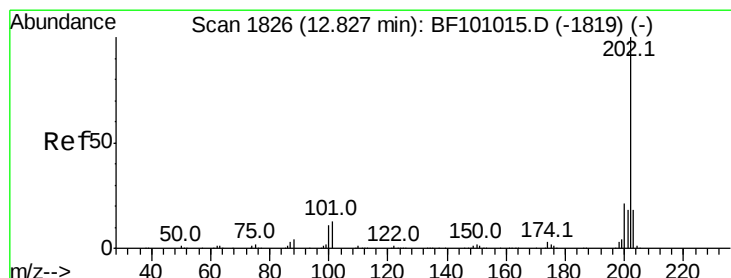
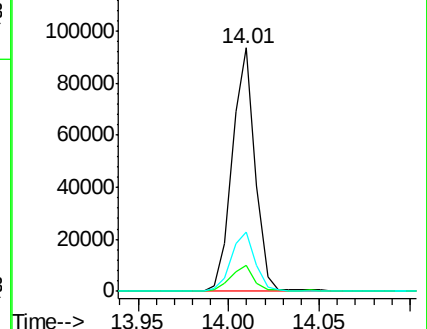
236 24.3 20.7 31.1



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



#77

Pyrene

Concen: 4.315 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

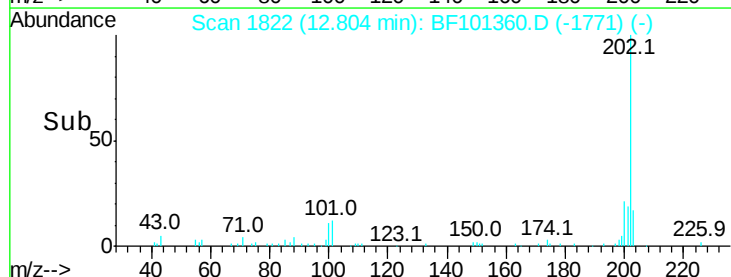
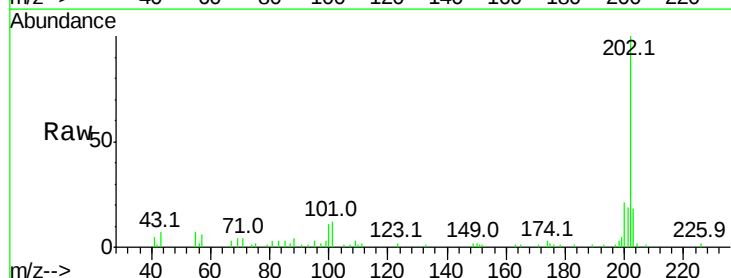
Tgt Ion:202 Resp: 24418

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

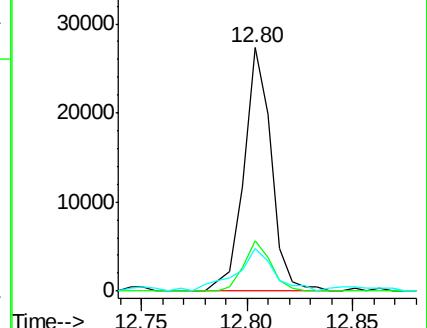
203 17.6 14.3 21.5

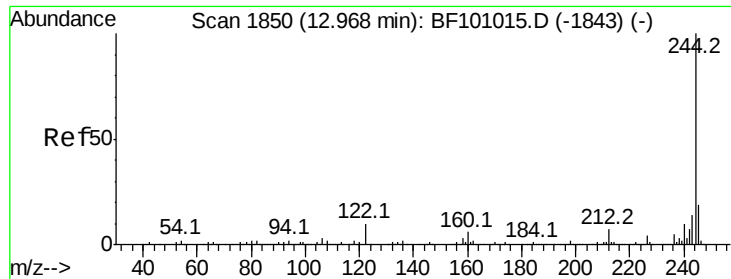


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.926 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

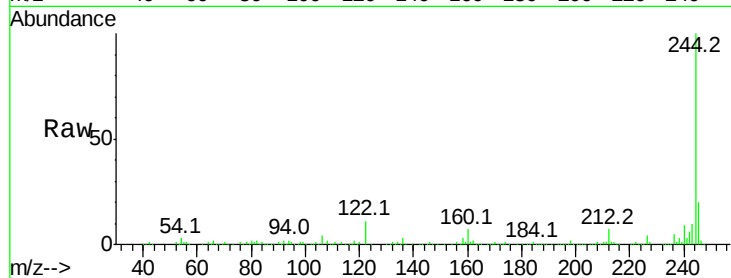
Tot Ion:244 Resp: 280906

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

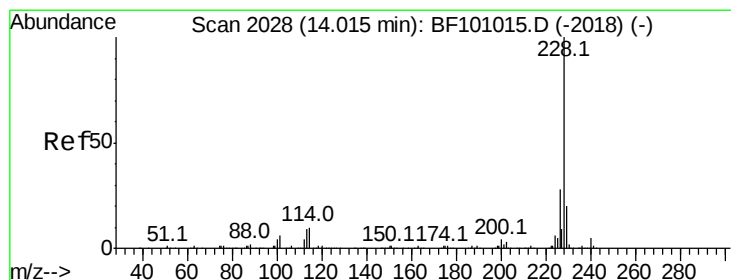
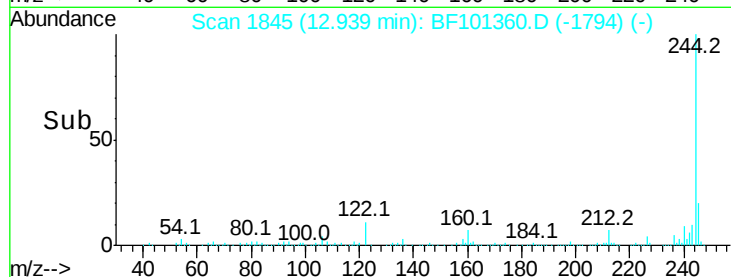
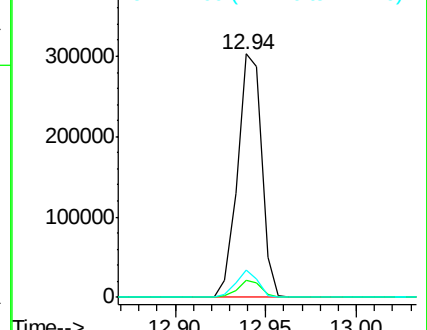
122 11.5 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.612 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

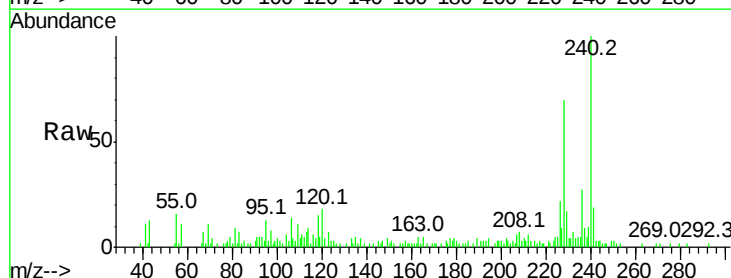
Tgt Ion:228 Resp: 13522

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

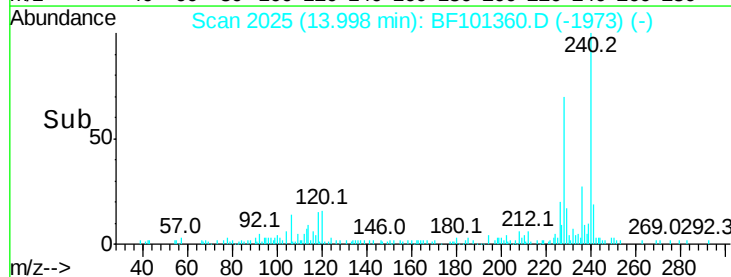
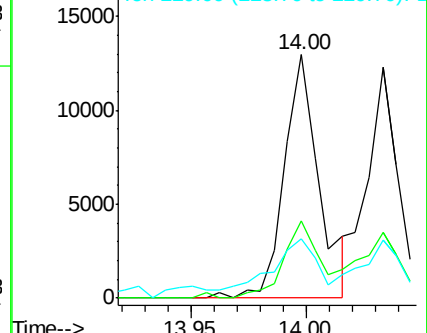
229 24.2 15.8 23.6#

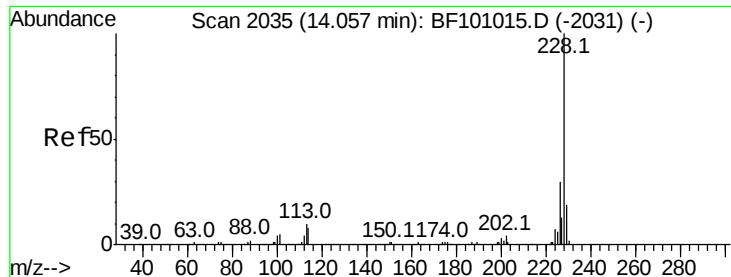


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.812 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

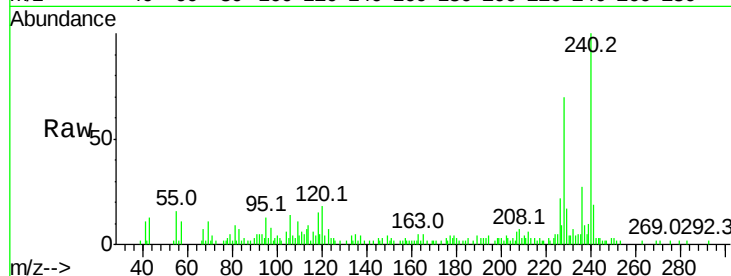
Tot Ion:228 Resp: 13522

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

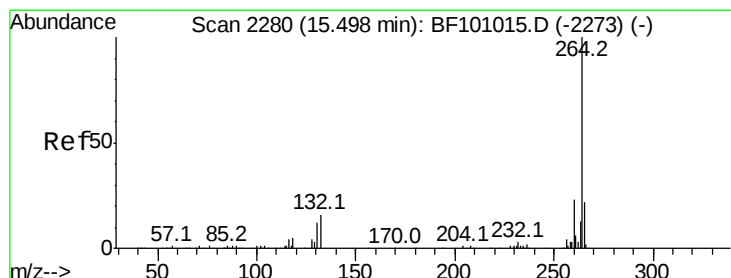
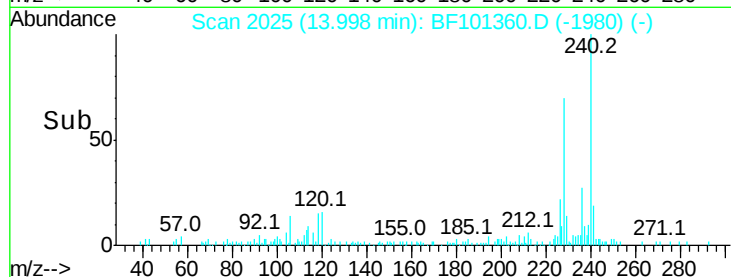
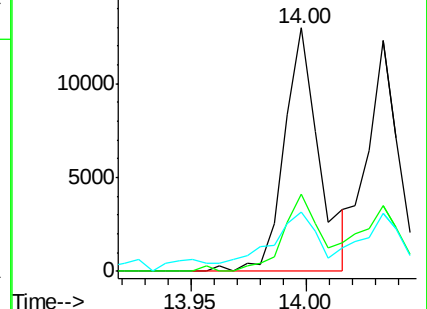
229 24.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

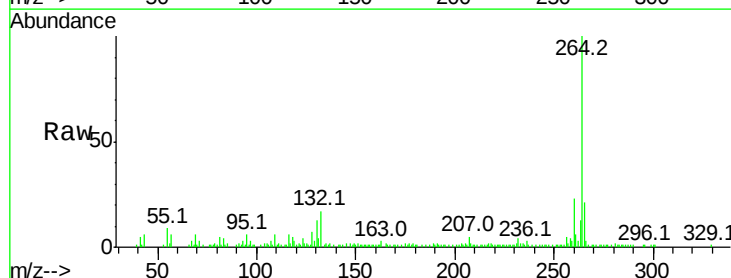
Tgt Ion:264 Resp: 62409

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

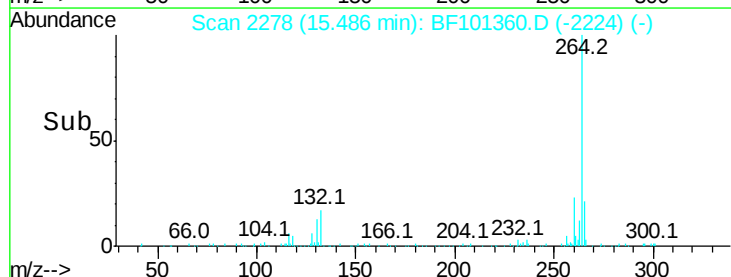
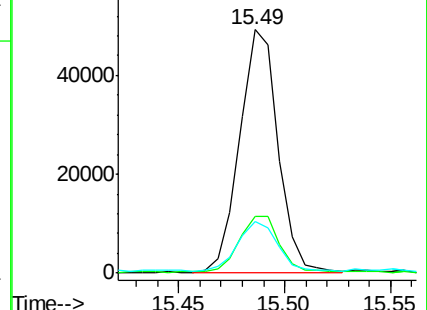
265 21.3 17.5 26.3

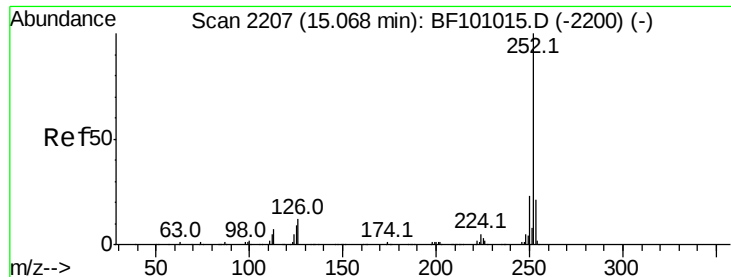


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.182 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

Instrument :

BNA_F

ClientSampleId :

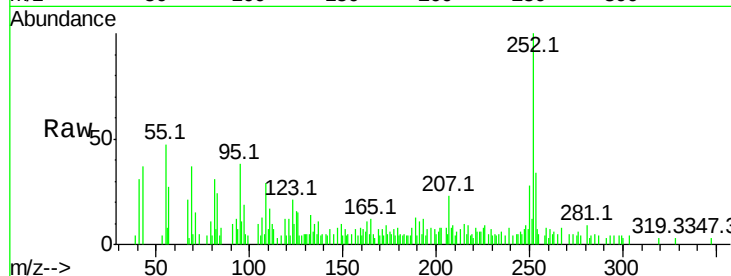
Tot Ion:252 Resp: 19371

Ion Ratio Lower Upper

252 100

253 33.7 17.0 25.6#

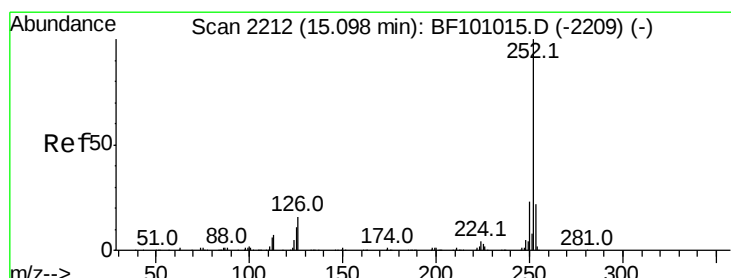
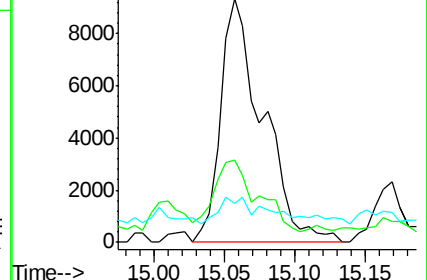
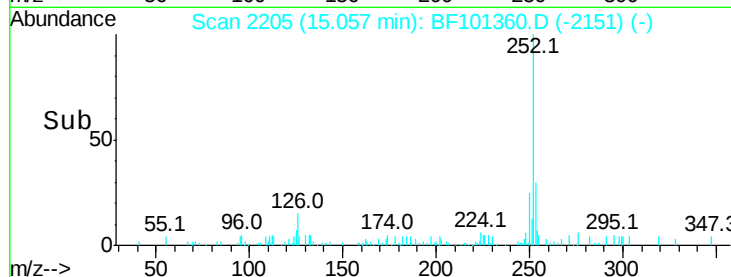
125 16.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.260 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF101360.D

Acq: 13 Dec 2017 5:58

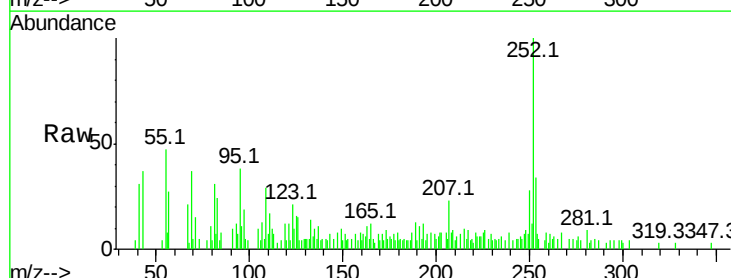
Tgt Ion:252 Resp: 19371

Ion Ratio Lower Upper

252 100

253 33.7 17.9 26.9#

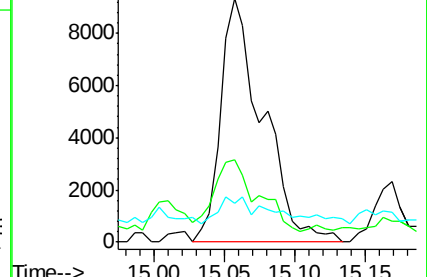
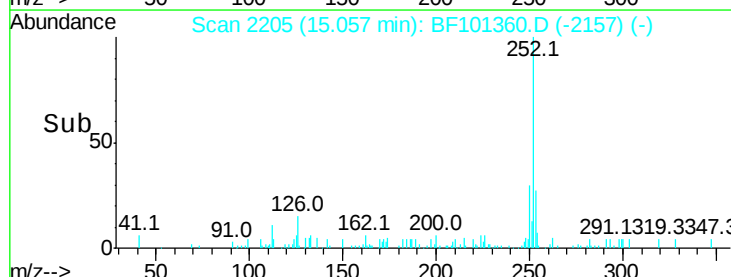
125 16.2 10.2 15.2#

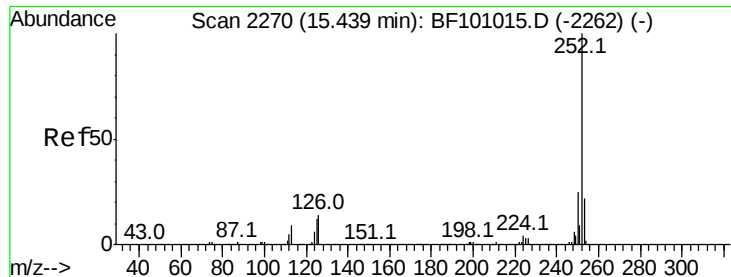


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

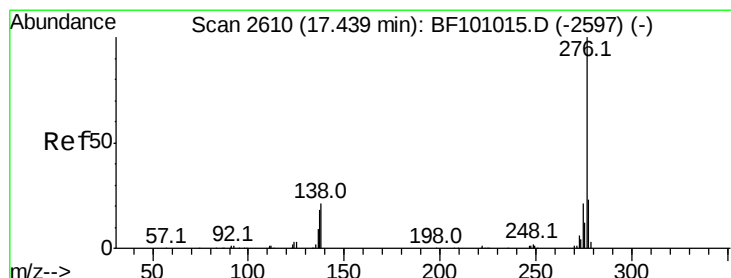
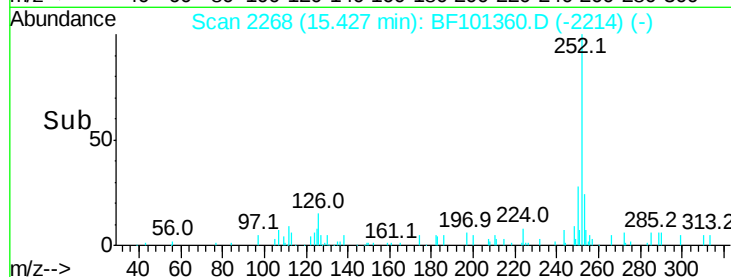
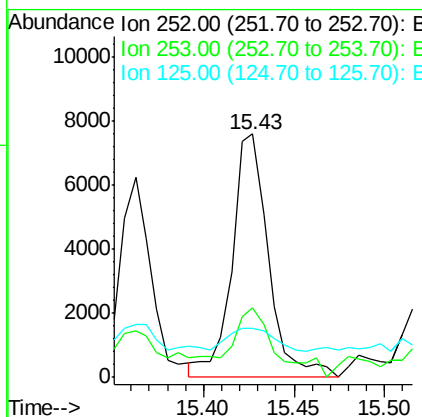
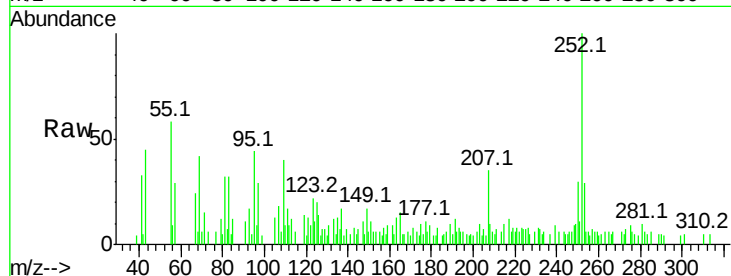




#89
Benzo(a)pyrene
Concen: 3.121 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.1	25.7#
125	20.1	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.542 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.05 min
Lab File: BF101360.D
Acq: 13 Dec 2017 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	27.1	21.8	32.8

