

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101363.D
 Acq On : 13 Dec 2017 7:18
 Operator : SJ/JU
 Sample : I6764-09 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(0-1)

Quant Time: Dec 13 09:32:03 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	44730	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	156816	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	61357	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	110665	20.00	ng	0.00
75) Chrysene-d12	14.01	240	85279	20.00	ng	0.00
86) Perylene-d12	15.49	264	63938	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	43440	16.05	ng	0.00
7) Phenol-d6	6.46	99	51692	15.73	ng	0.00
23) Nitrobenzene-d5	7.39	82	25310	9.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	9118	12.37	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	63294	14.11	ng	0.00
78) Terphenyl-d14	12.94	244	53661	13.76	ng	0.00

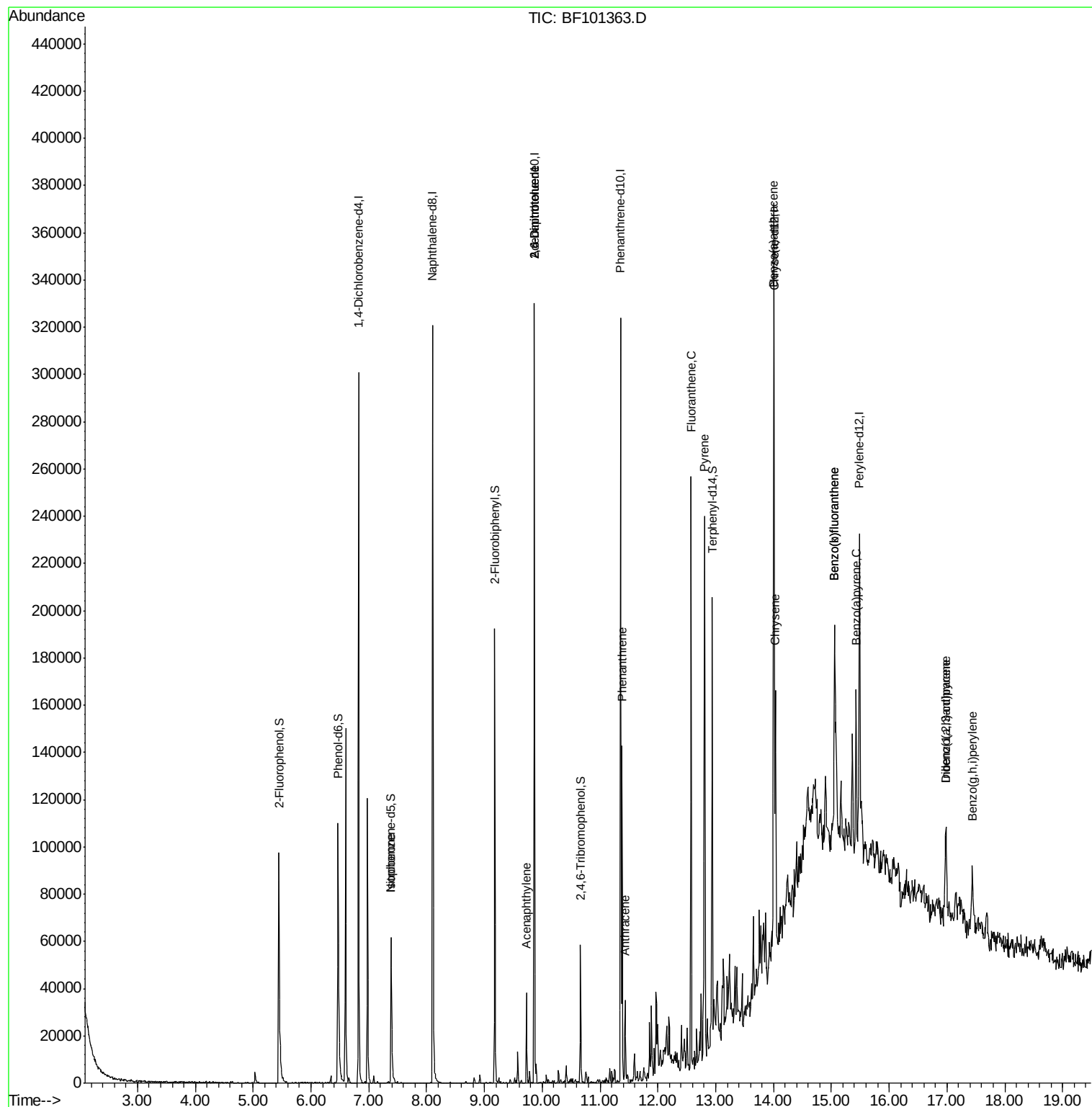
Target Compounds				Qvalue		
25) Isophorone	7.39	82	25310	5.637	ng	# 64
48) Acenaphthylene	9.73	152	18600	2.835	ng	98
50) 2,6-Dinitrotoluene	9.86	165	7954	7.632	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	7954	5.695	ng	# 21
70) Phenanthrene	11.38	178	49157	8.066	ng	98
71) Anthracene	11.43	178	15258	2.474	ng	98
74) Fluoranthene	12.57	202	99177	14.681	ng	97
77) Pyrene	12.80	202	96300	16.365	ng	97
80) Benzo(a)anthracene	14.00	228	47992	8.913	ng	98
82) Chrysene	14.03	228	41369	8.273	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	20080	4.517	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	61272	15.999	ng	97
88) Benzo(k)fluoranthene	15.06	252	61272	16.239	ng	98
89) Benzo(a)pyrene	15.43	252	31054	8.919	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	6583	2.145	ng	# 77
91) Benzo(g,h,i)perylene	17.44	276	24195	8.364	ng	# 90

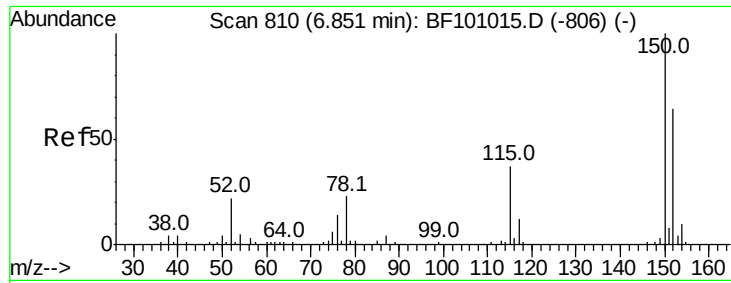
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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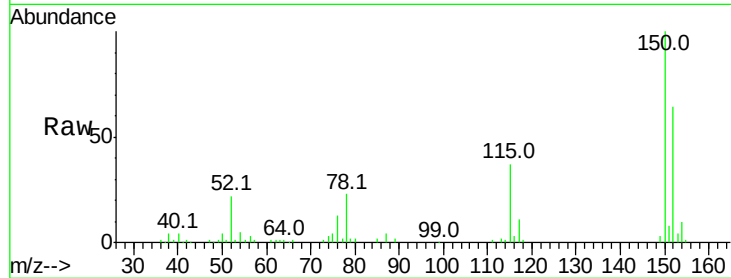


#1

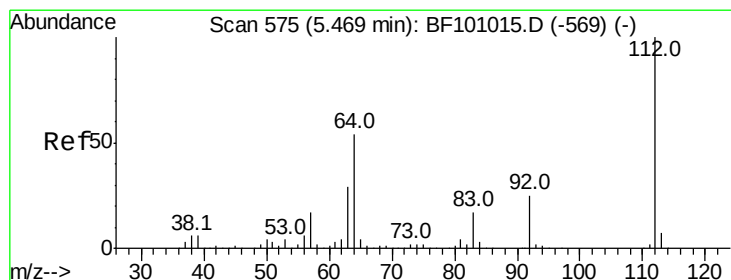
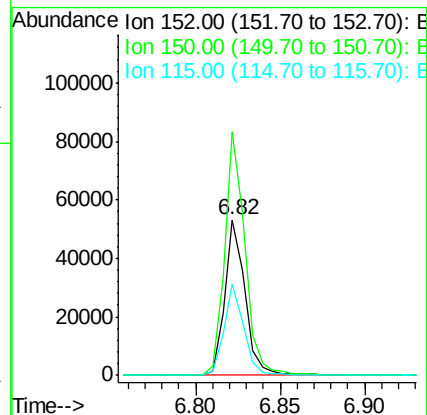
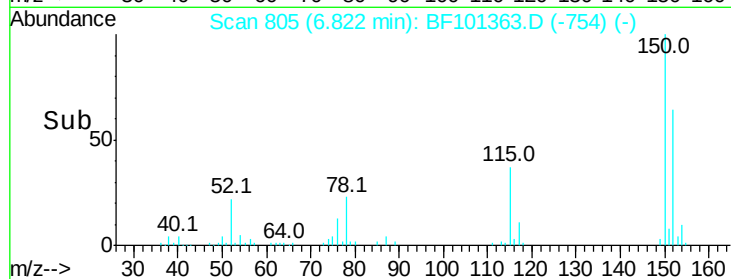
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion:152 Resp: 44730
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 58.6 50.1 75.1



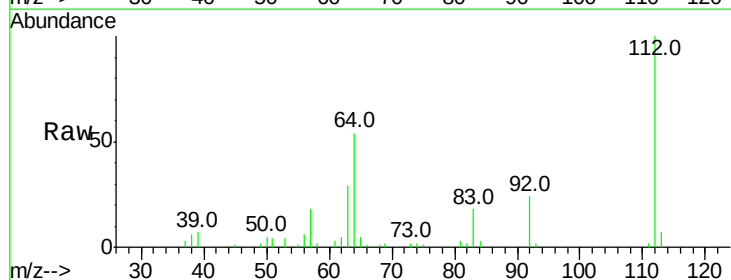
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



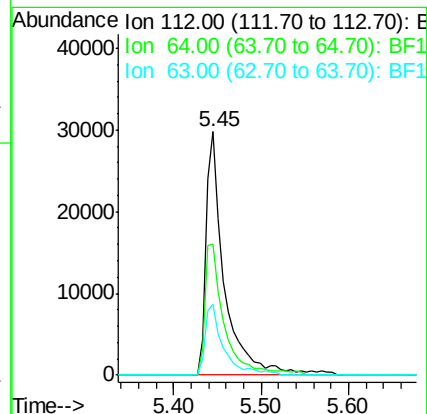
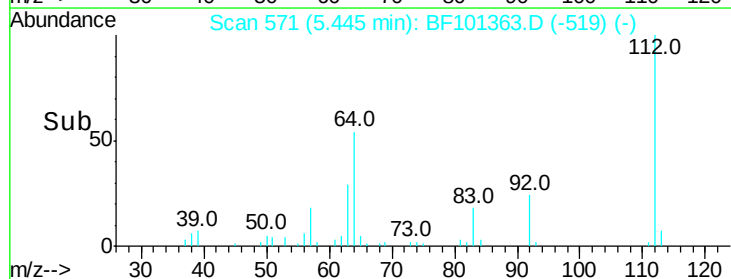
#5

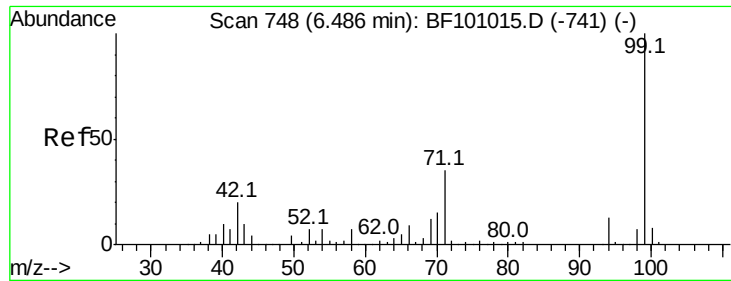
2-Fluorophenol
Concen: 16.048 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion:112 Resp: 43440
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 29.2 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: 15.729 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

ClientSampleId :

MAP-3-E(0-1)

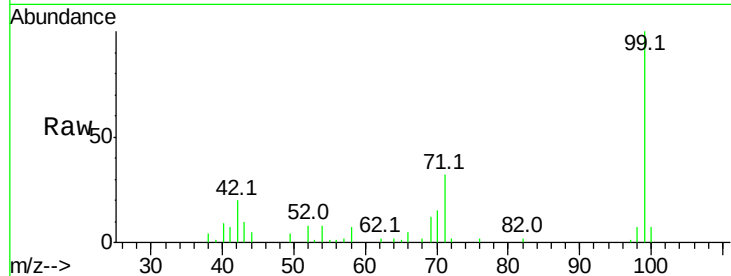
Tot Ion: 99 Resp: 51692

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

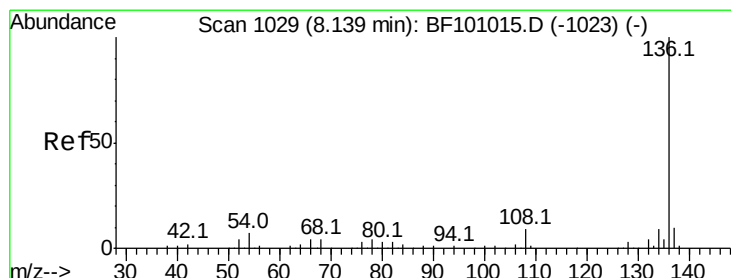
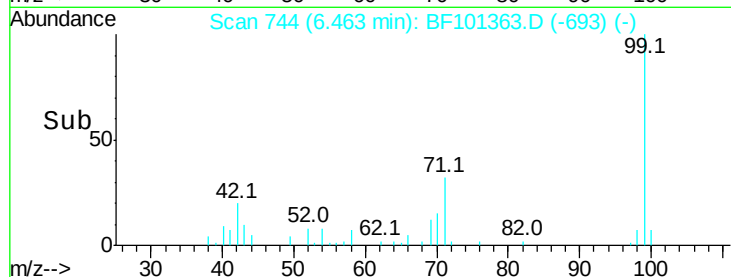
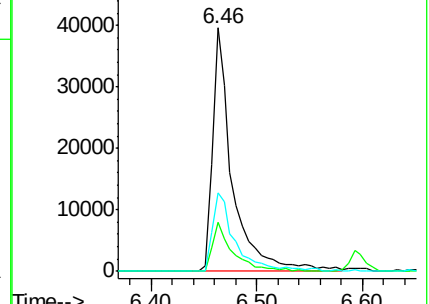
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Tgt Ion: 136 Resp: 156816

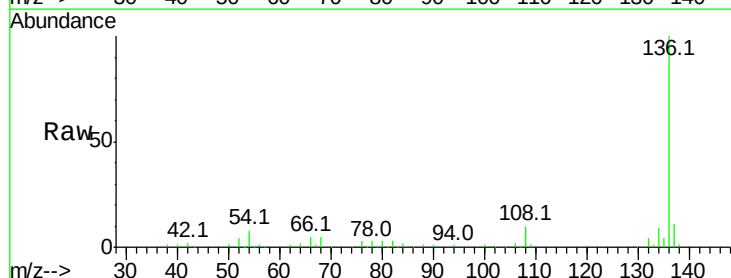
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.1 6.6 9.8

68 5.0 5.0 7.4

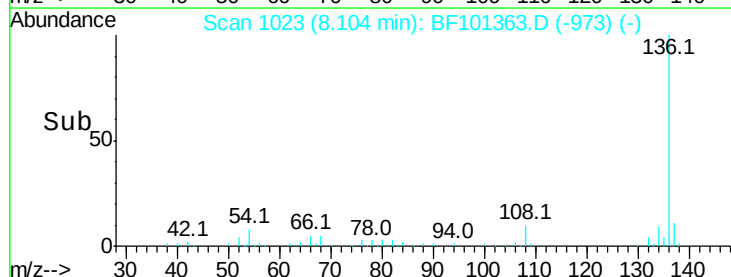
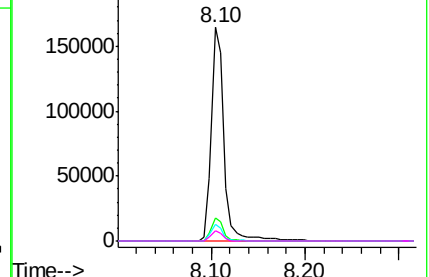


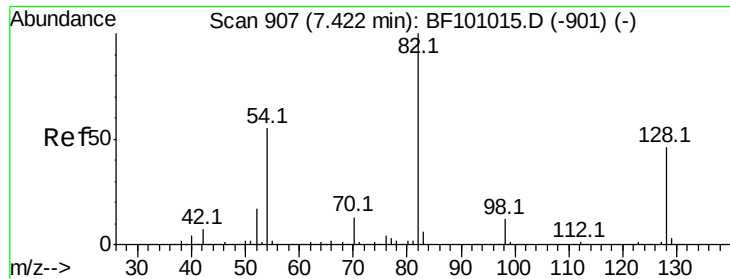
Abundance Ion 136.00 (135.70 to 136.70): E

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

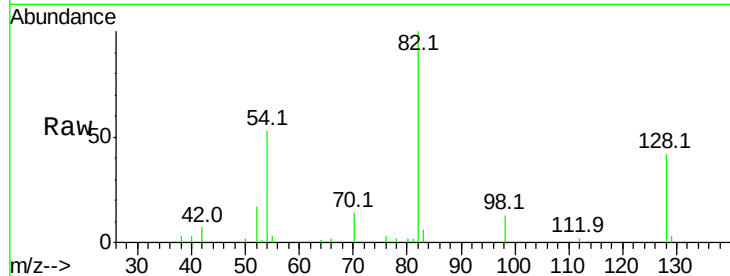




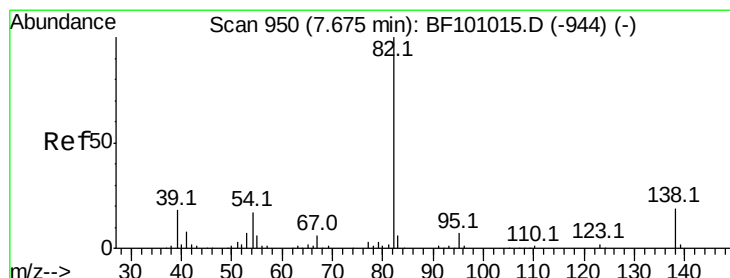
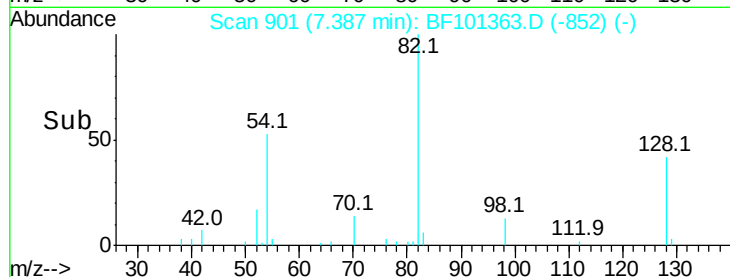
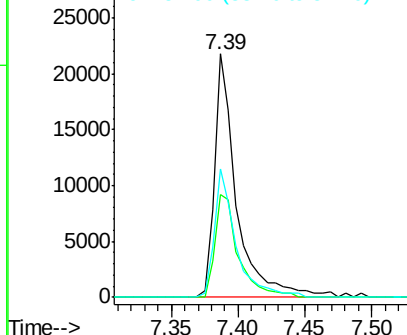
#23
Nitrobenzene-d5
Concen: 9.628 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion: 82 Resp: 25310
Ion Ratio Lower Upper
82 100
128 42.5 36.1 54.1
54 52.6 41.4 62.2

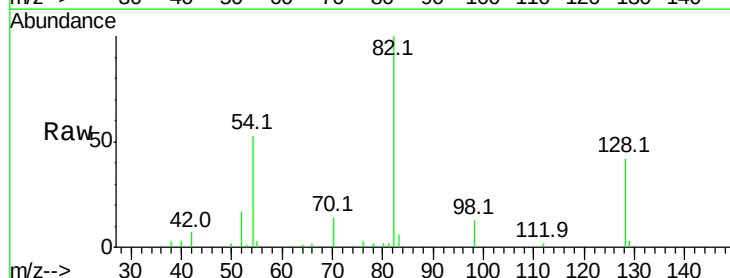


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

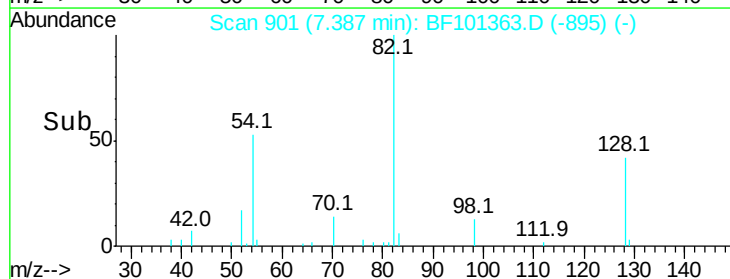
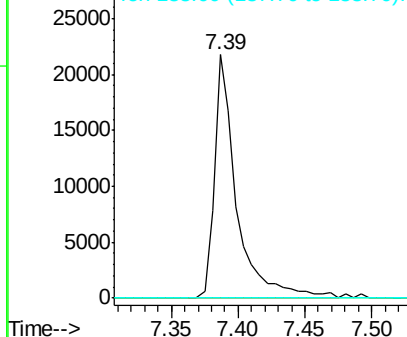


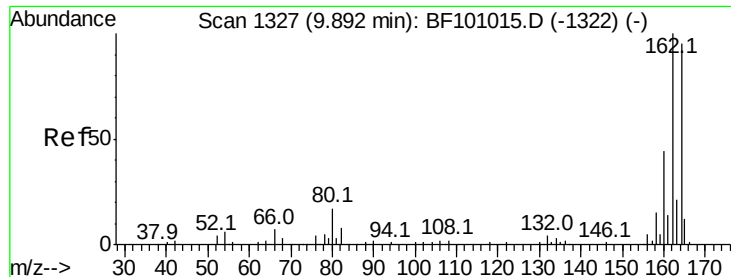
#25
Isophorone
Concen: 5.637 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion: 82 Resp: 25310
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

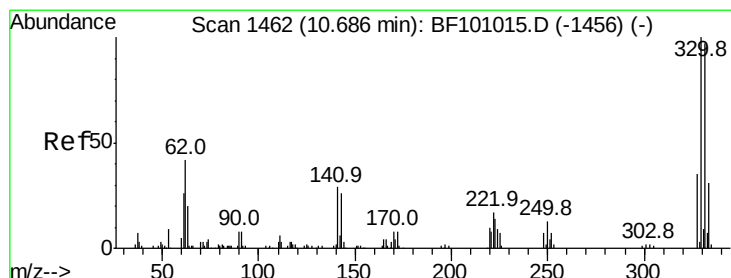
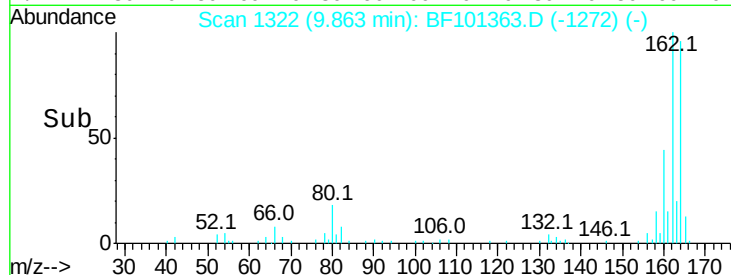
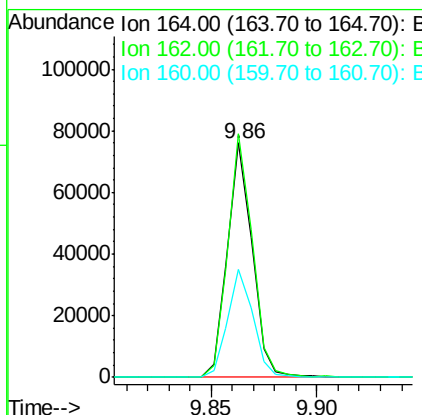
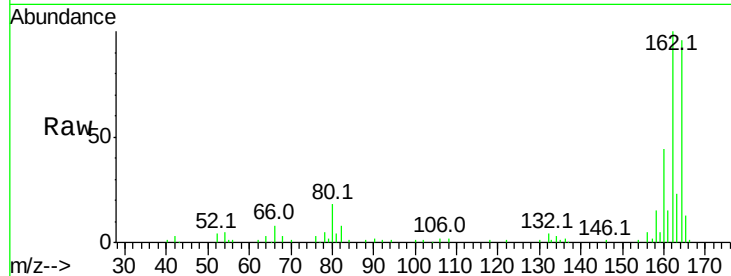




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

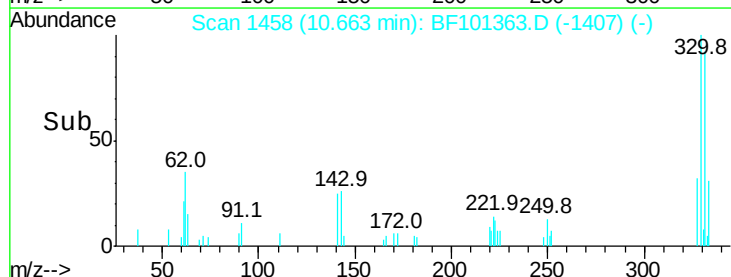
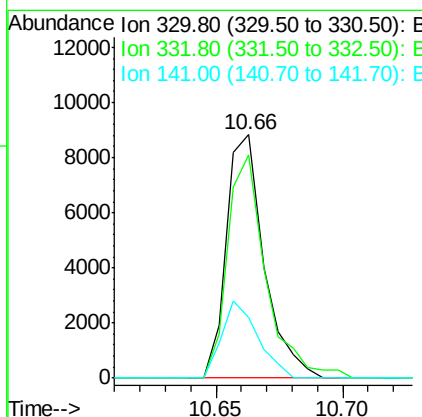
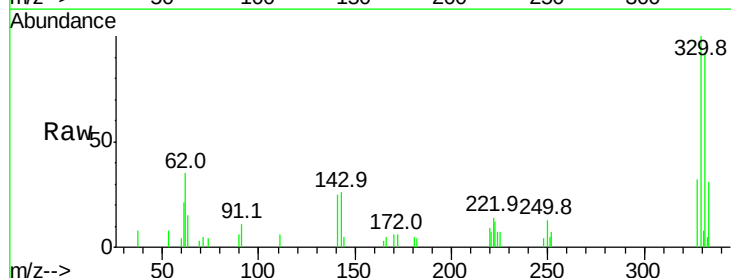
Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(0-1)

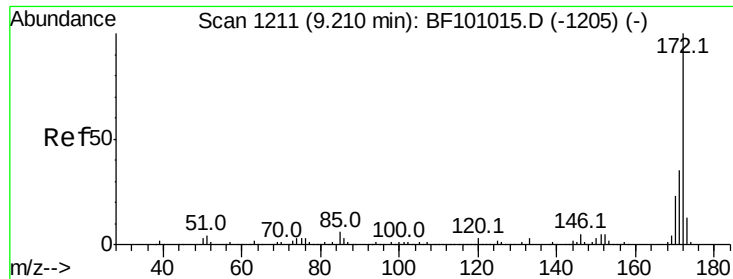
Tot Ion:164 Resp: 61357
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 46.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 12.371 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Tgt Ion:330 Resp: 9118
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.0 115.6
 141 30.3 29.9 44.9

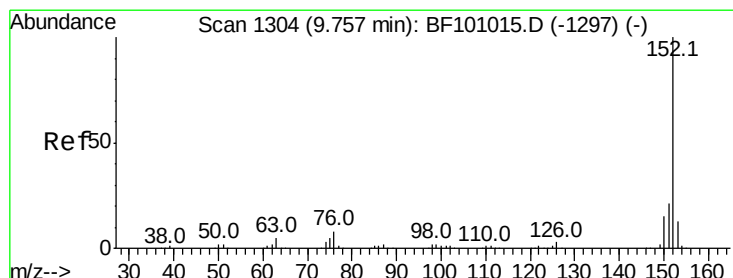
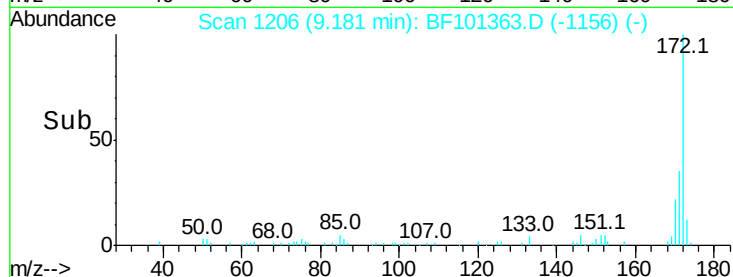
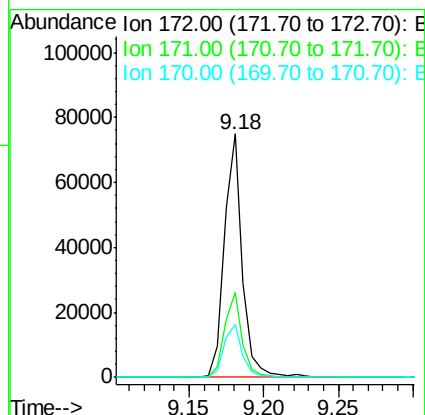
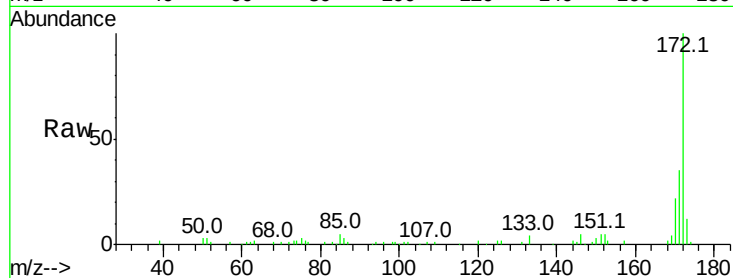




#44
2-Fluorobiphenyl
Concen: 14.114 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

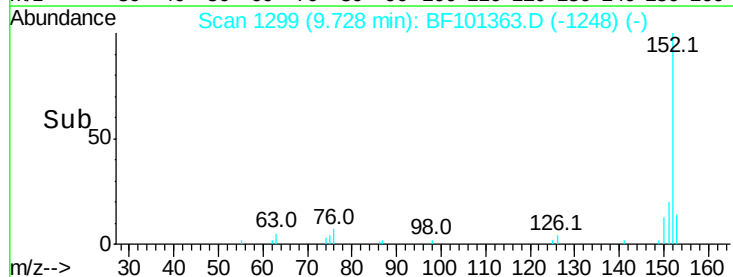
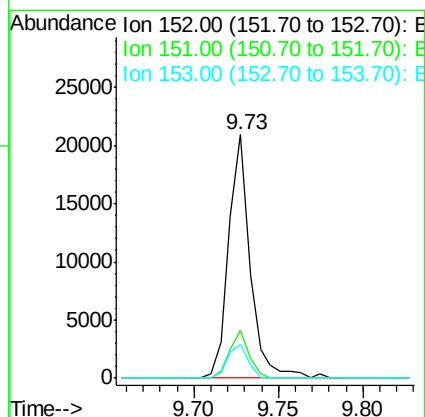
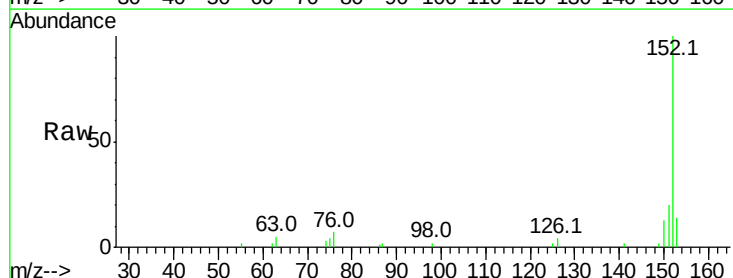
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

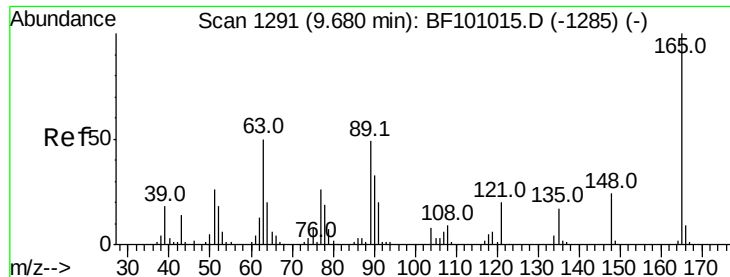
Tot Ion:172 Resp: 63294
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 21.5 19.6 29.4



#48
Acenaphthylene
Concen: 2.835 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion:152 Resp: 18600
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 14.0 10.7 16.1





#50

2,6-Dinitrotoluene

Concen: 7.632 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

ClientSampleId :

MAP-3-E(0-1)

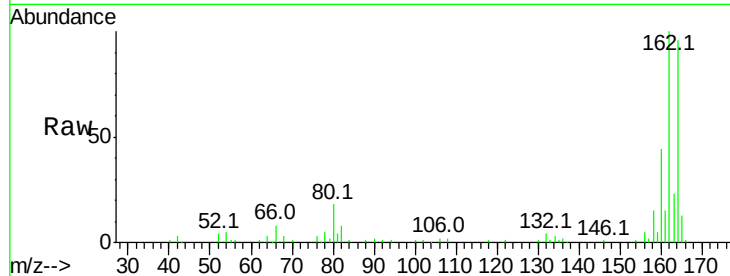
Tot Ion:165 Resp: 7954

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

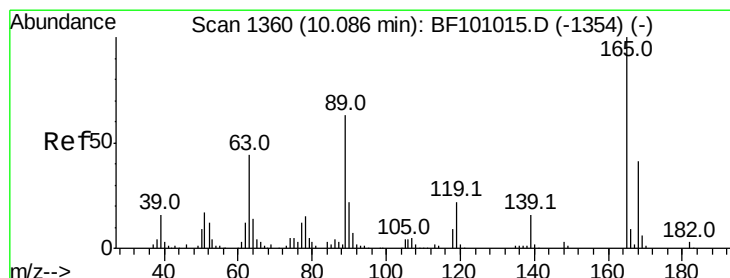
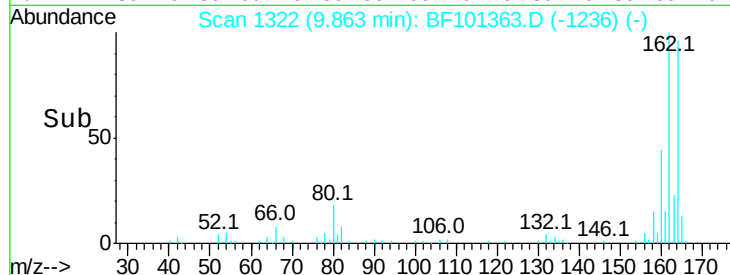
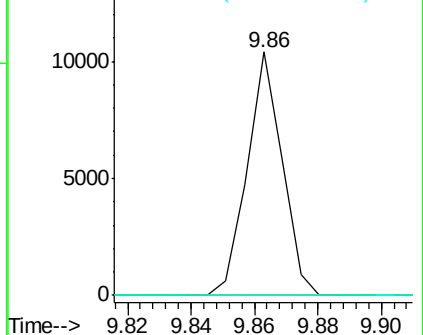
89 0.0 44.0 66.0#



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: 5.695 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Tgt Ion:165 Resp: 7954

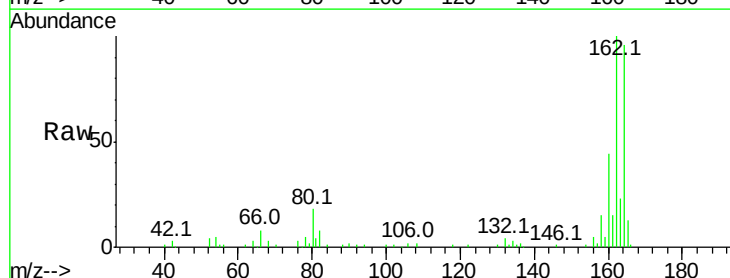
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

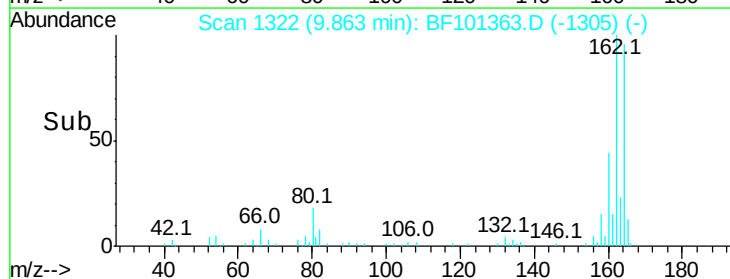
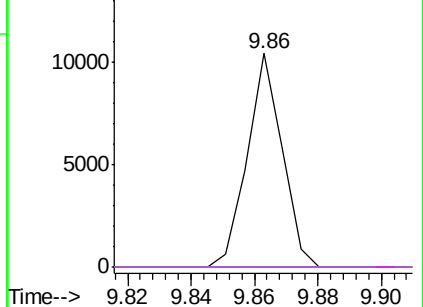


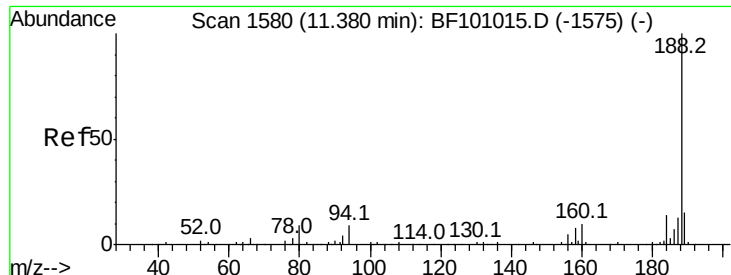
Abundance Ion 165.00 (164.70 to 165.70): E

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

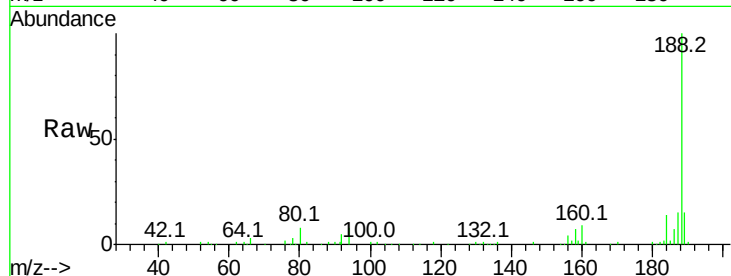




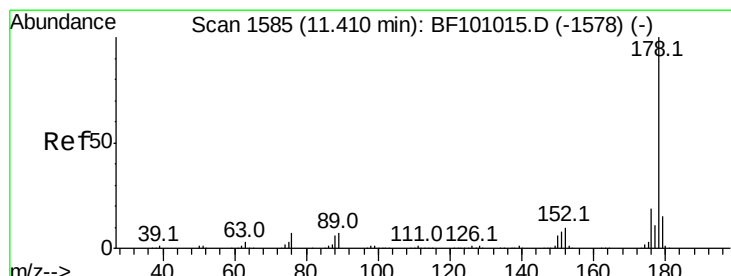
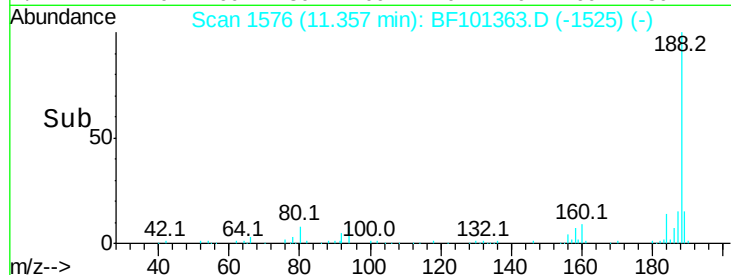
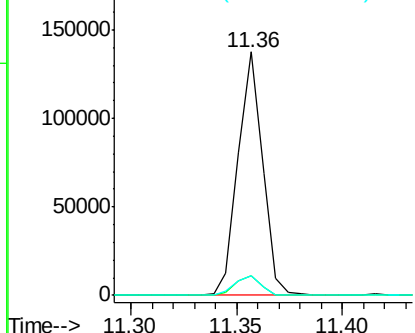
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.0	9.2	13.8#

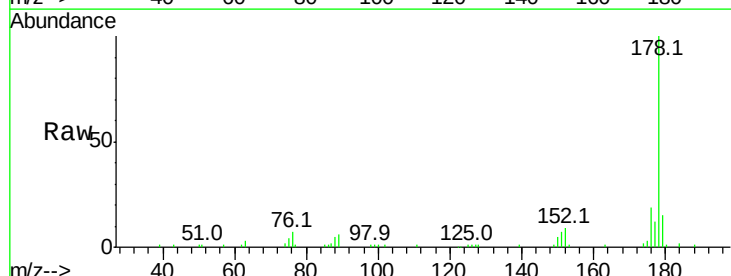


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

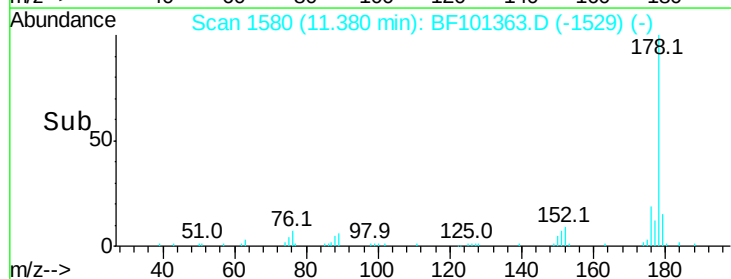
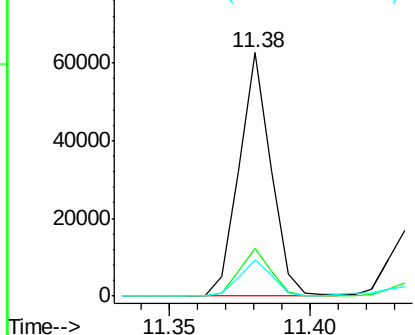


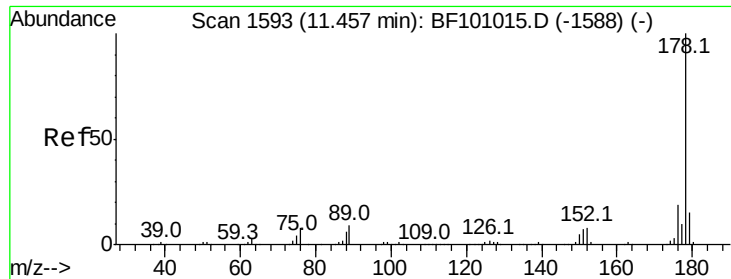
#70
Phenanthrene
Concen: 8.066 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

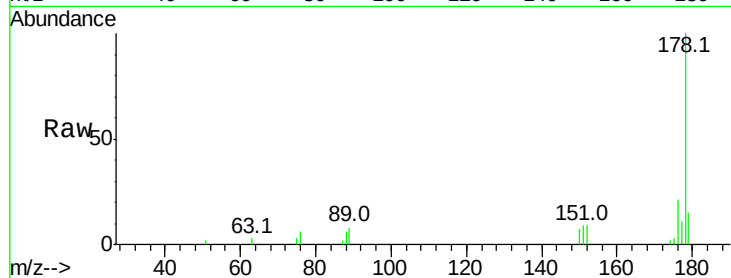




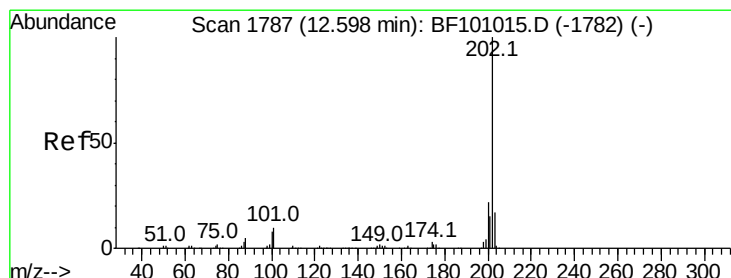
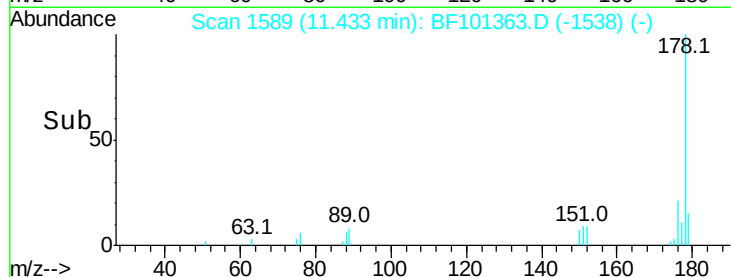
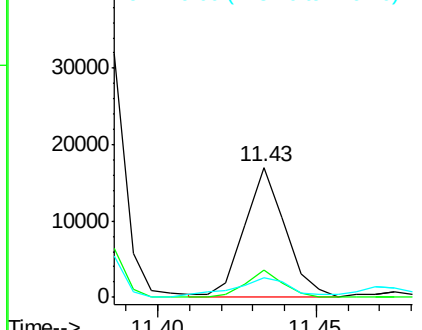
#71
 Anthracene
 Concen: 2.474 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(0-1)

Tot Ion:178 Resp: 15258
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.4 23.2
 179 15.0 12.6 19.0

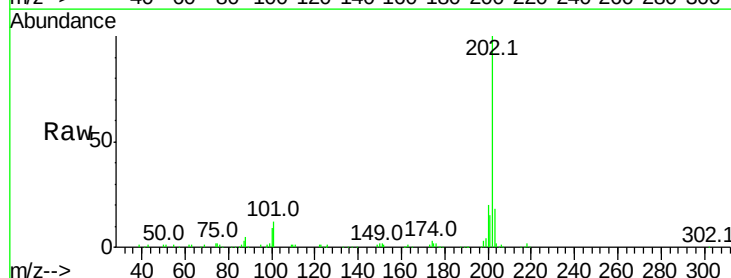


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

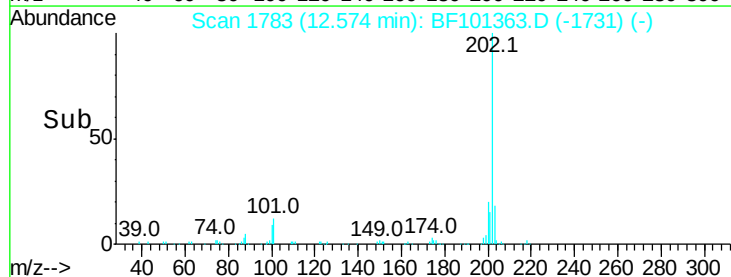
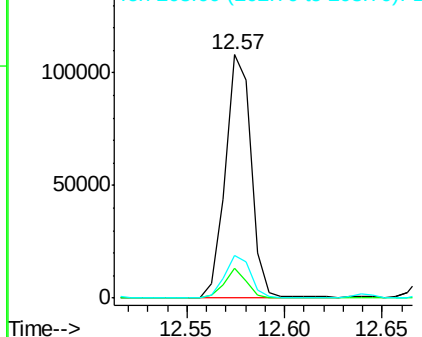


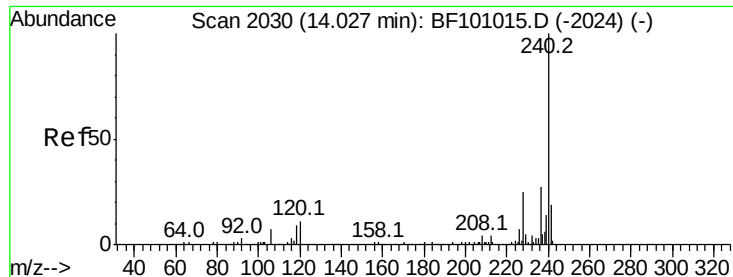
#74
 Fluoranthene
 Concen: 14.681 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101363.D
 Acq: 13 Dec 2017 7:18

Tgt Ion:202 Resp: 99177
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.7 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: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

ClientSampleId :

MAP-3-E(0-1)

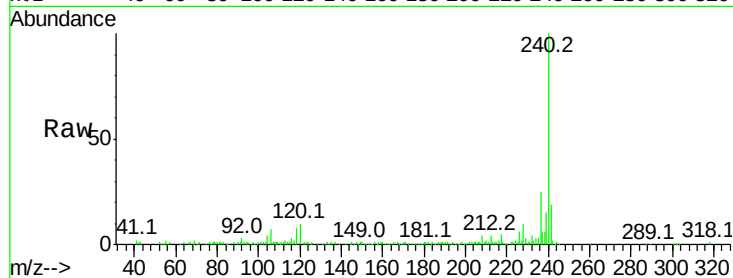
Tot Ion:240 Resp: 85279

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

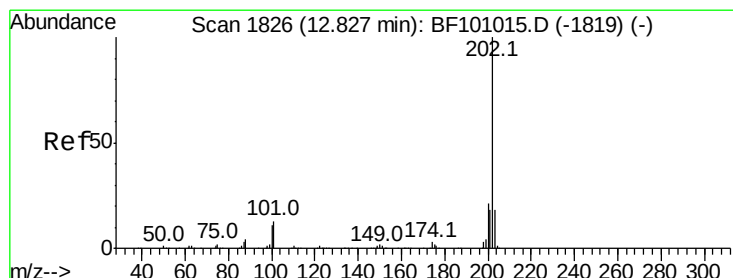
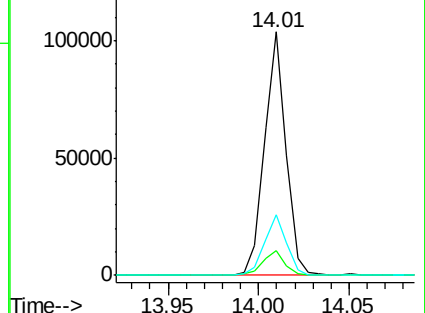
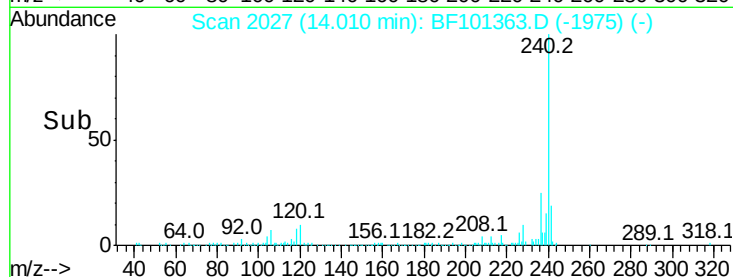
236 25.1 20.7 31.1



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: 16.365 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

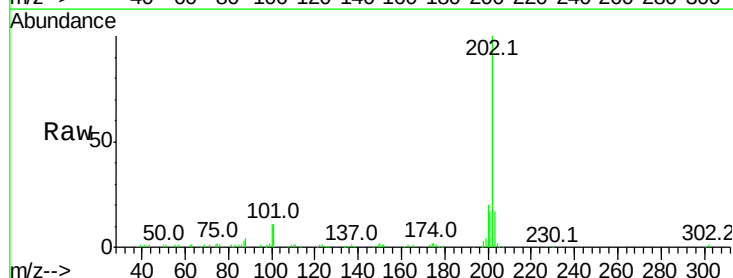
Tgt Ion:202 Resp: 96300

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

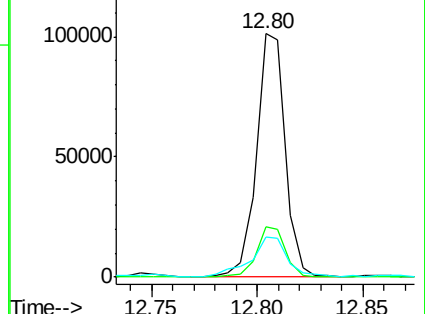
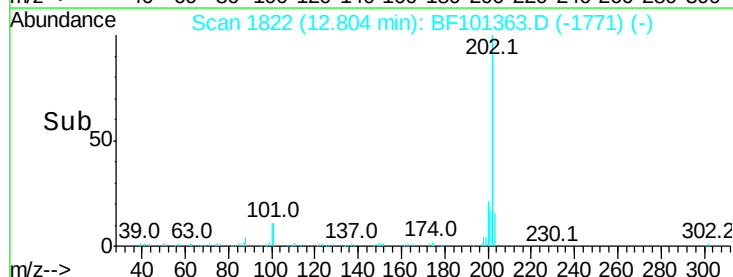
203 16.6 14.3 21.5

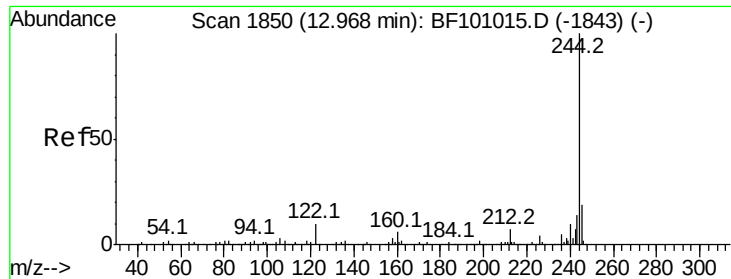


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.763 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

ClientSampleId :

MAP-3-E(0-1)

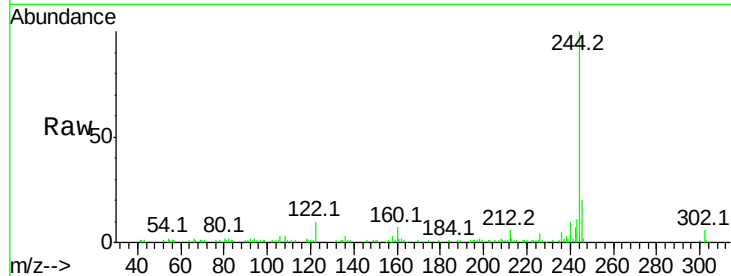
Tot Ion:244 Resp: 53661

Ion Ratio Lower Upper

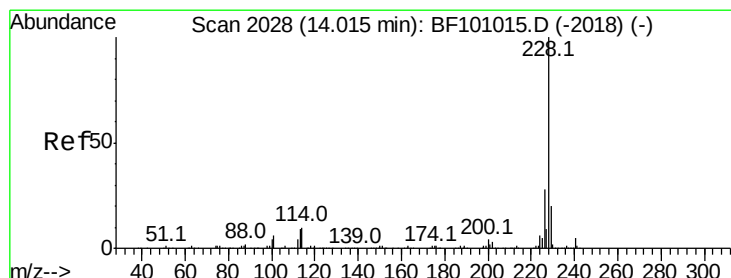
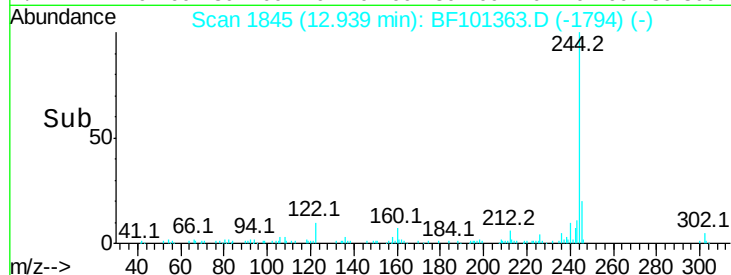
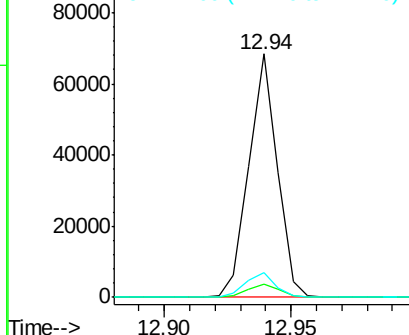
244 100

212 5.7 5.4 8.0

122 9.9 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: 8.913 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

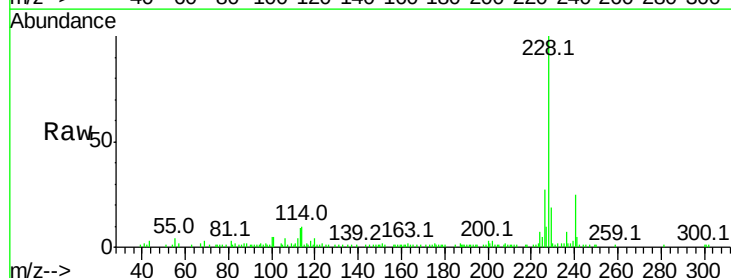
Tgt Ion:228 Resp: 47992

Ion Ratio Lower Upper

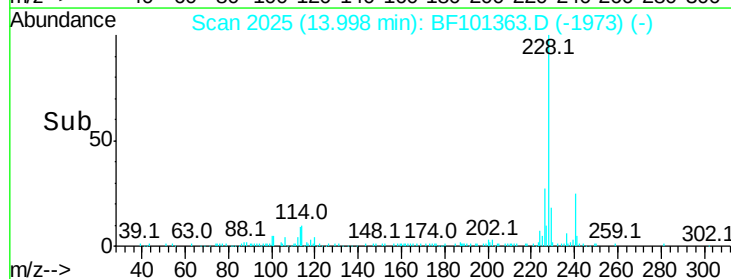
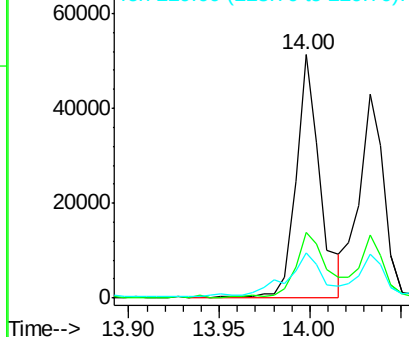
228 100

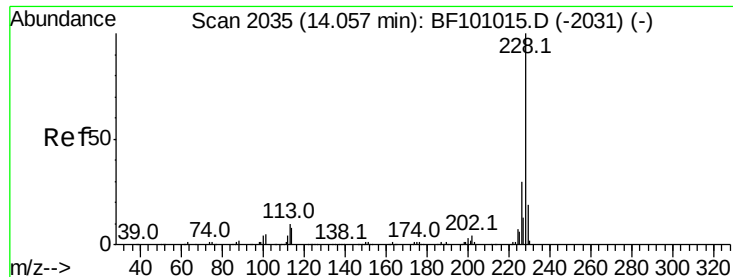
226 27.0 22.6 33.8

229 18.7 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

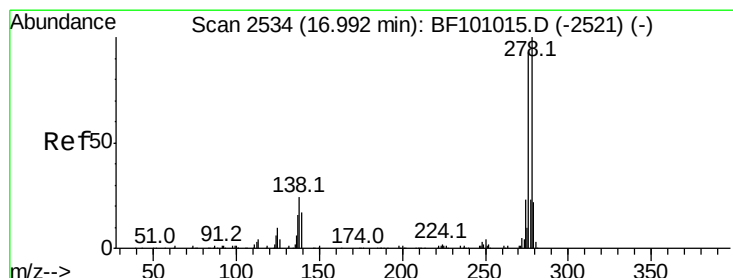
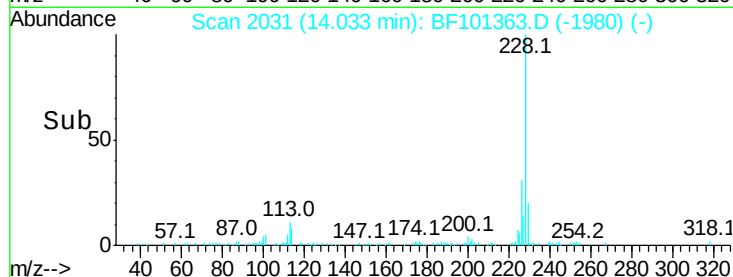
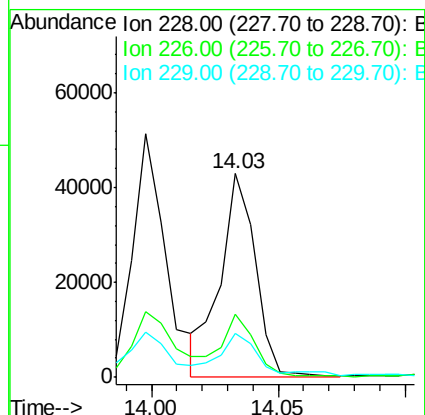
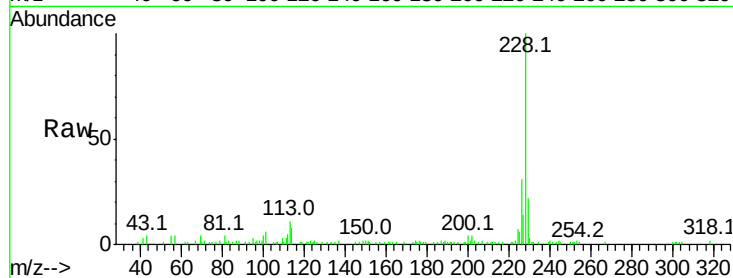




#82
Chrysene
Concen: 8.273 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

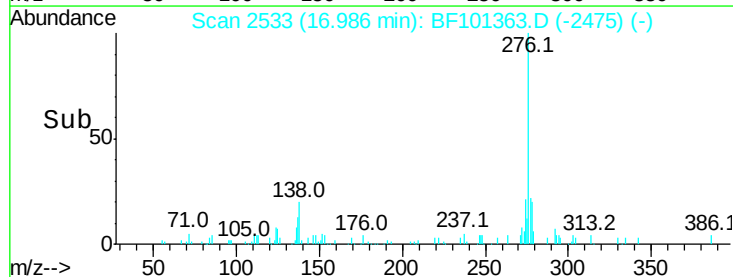
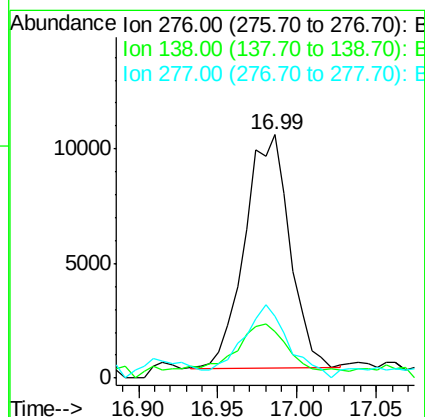
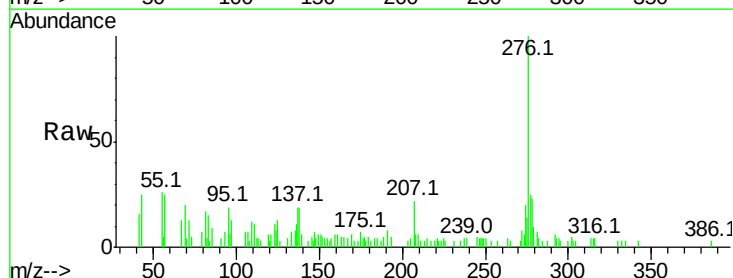
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

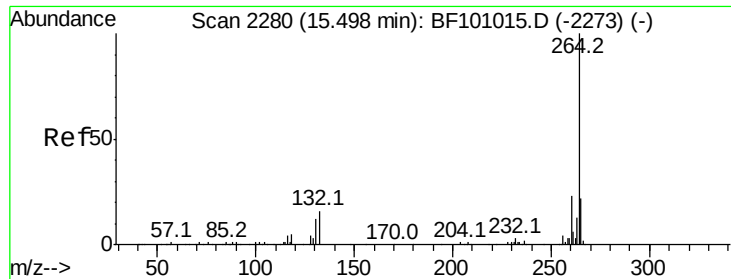
Tot Ion:228 Resp: 41369
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 21.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.517 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.04 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion:276 Resp: 20080
Ion Ratio Lower Upper
276 100
138 26.5 25.0 37.6
277 31.9 20.1 30.1#

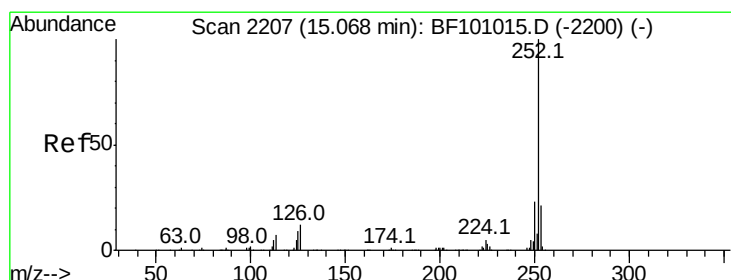
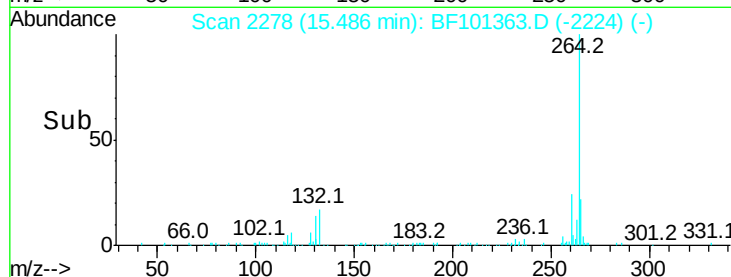
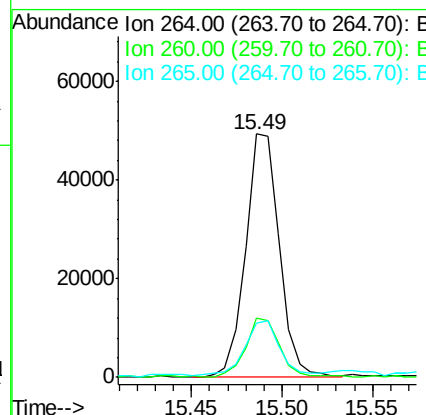
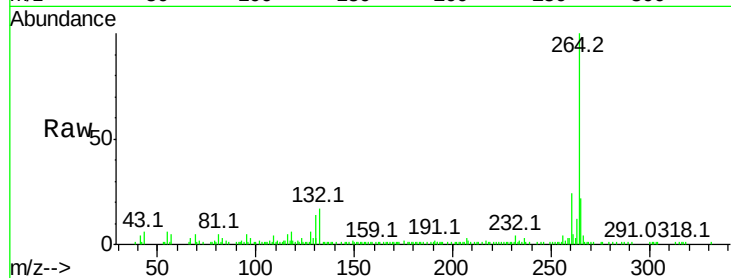




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

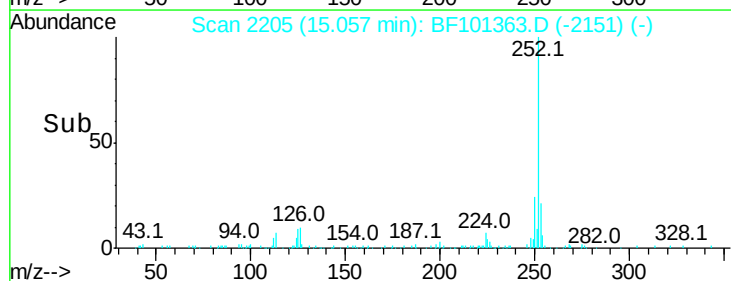
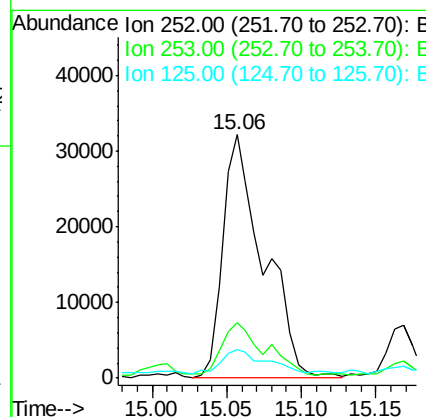
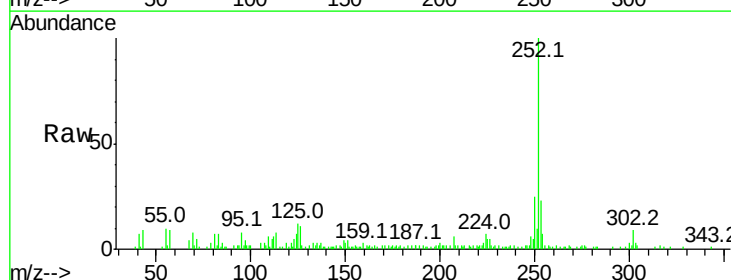
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

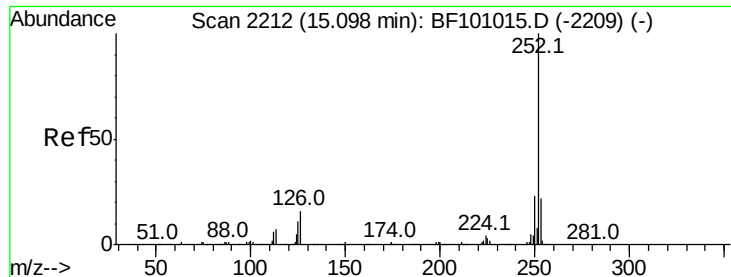
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 15.999 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.7	9.0	13.6

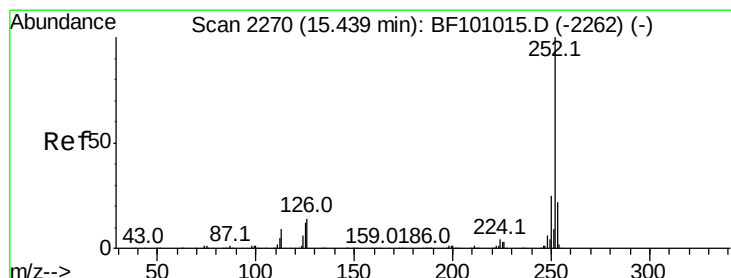
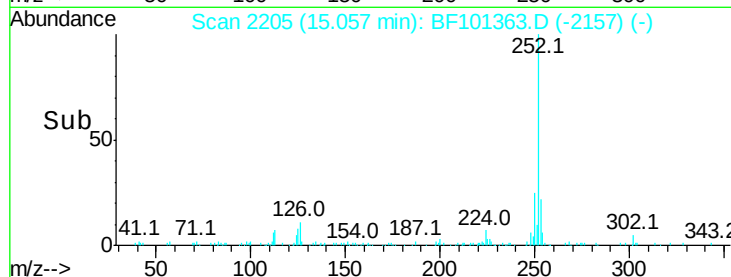
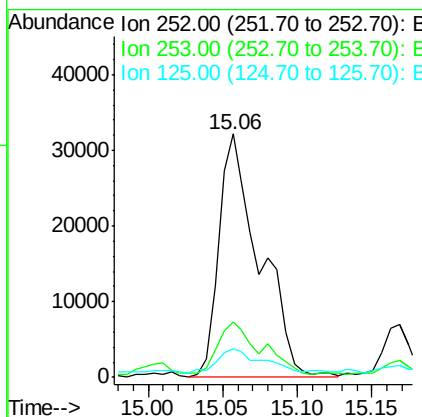
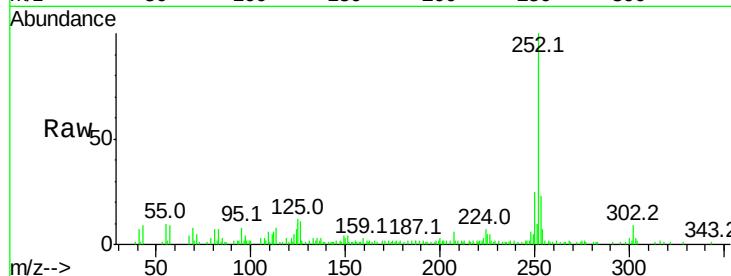




#88
Benzo(k)fluoranthene
Concen: 16.239 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

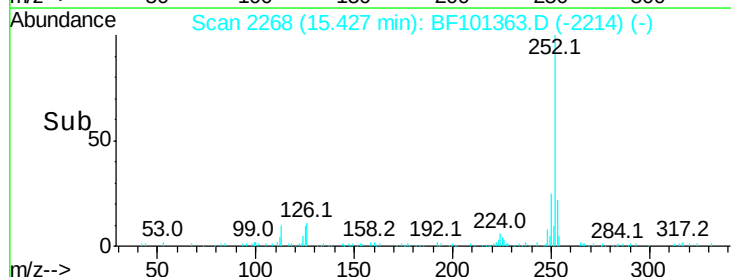
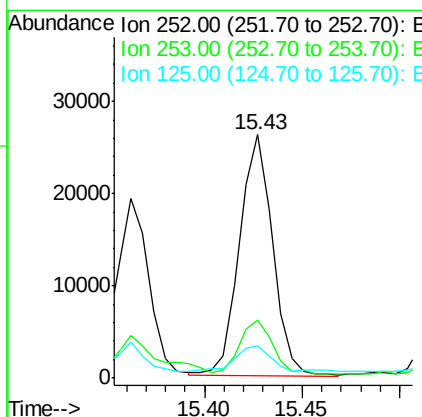
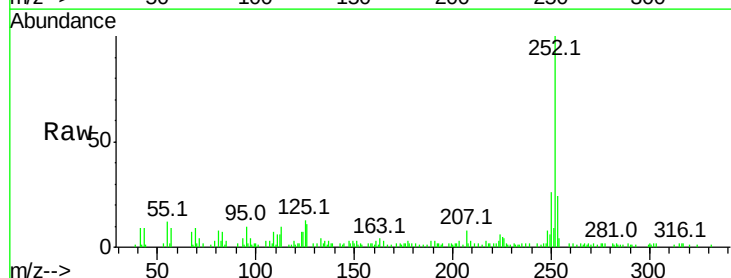
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(0-1)

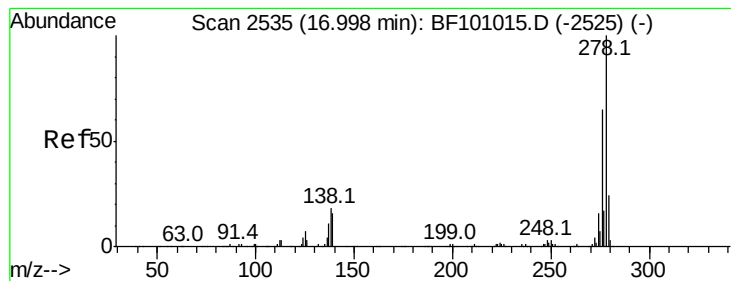
Tot Ion:252 Resp: 61272
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 8.919 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101363.D
Acq: 13 Dec 2017 7:18

Tgt Ion:252 Resp: 31054
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.5 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.145 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.02 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

Instrument :

BNA_F

ClientSampleId :

MAP-3-E(0-1)

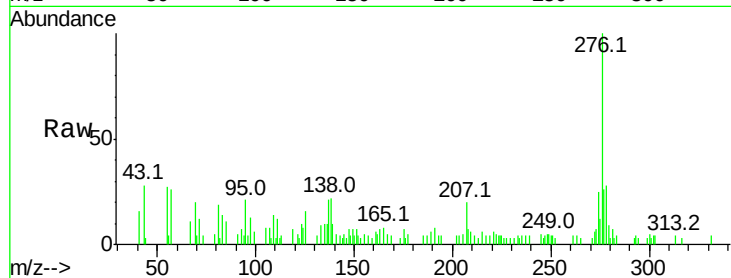
Tot Ion:278 Resp: 6583

Ion Ratio Lower Upper

278 100

139 34.3 15.9 23.9#

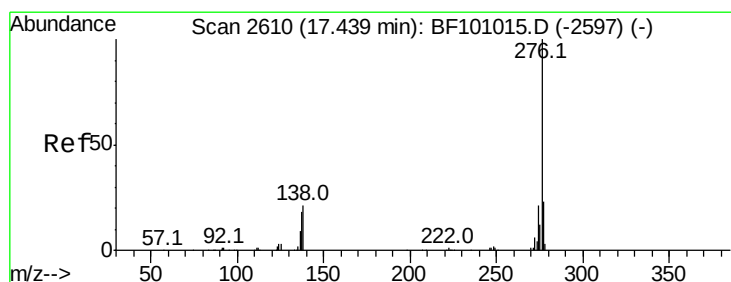
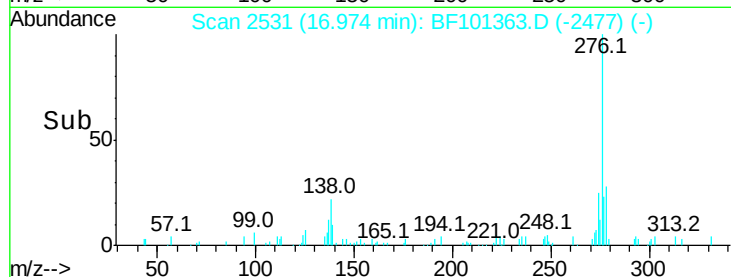
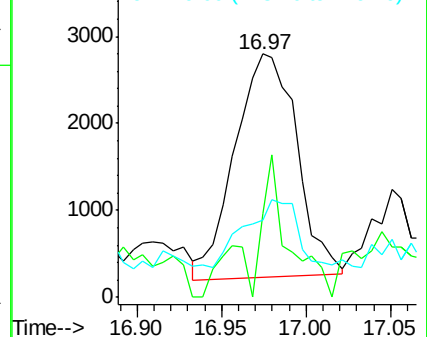
279 31.7 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.364 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.05 min

Lab File: BF101363.D

Acq: 13 Dec 2017 7:18

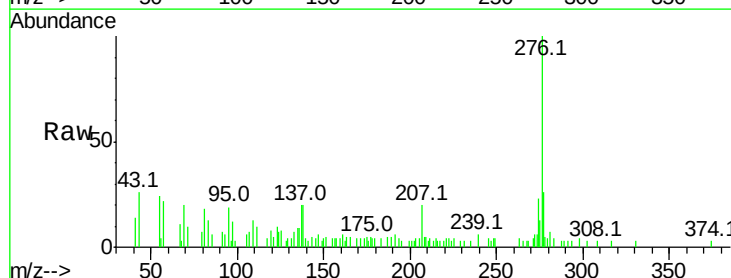
Tgt Ion:276 Resp: 24195

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 20.4 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

