

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101131.D
 Acq On : 5 Dec 2017 18:21
 Operator : SJ/JU
 Sample : I6709-08 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 00:22:31 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

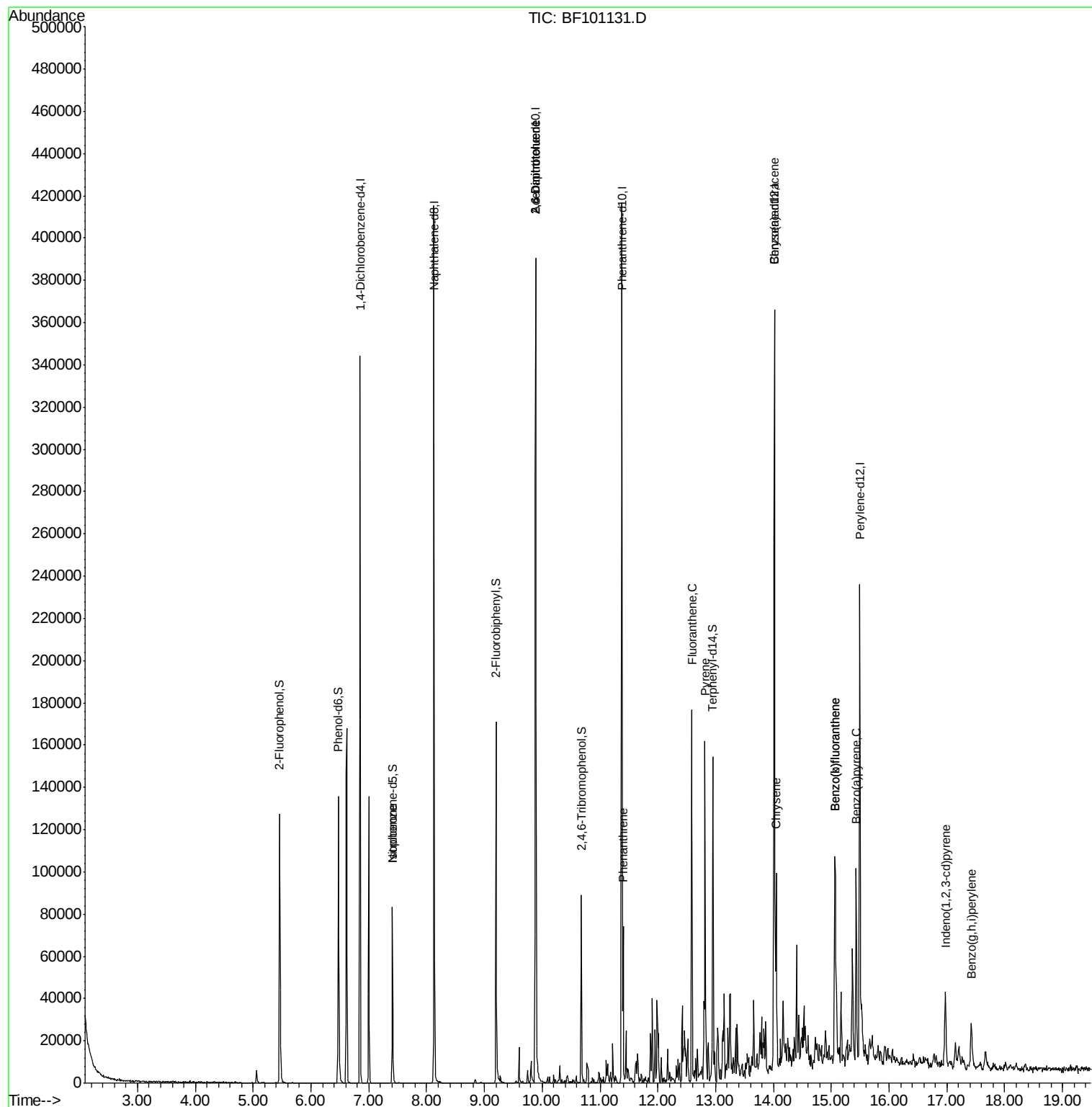
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	48273	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	185036	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	83930	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	150349	20.00	ng	0.00
75) Chrysene-d12	14.02	240	100331	20.00	ng	0.00
86) Perylene-d12	15.49	264	107816	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	40029	13.70	ng	0.00
7) Phenol-d6	6.47	99	49469	13.95	ng	0.00
23) Nitrobenzene-d5	7.41	82	28642	9.23	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	11737	11.64	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	66047	10.77	ng	0.00
78) Terphenyl-d14	12.95	244	51251	11.17	ng	-0.01
Target Compounds						
25) Isophorone	7.41	82	28642	5.406	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	10759	7.547	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	10759	5.631	ng	# 21
70) Phenanthrene	11.40	178	26545	3.206	ng	97
74) Fluoranthene	12.59	202	65229	7.107	ng	95
77) Pyrene	12.82	202	65212	9.419	ng	98
80) Benzo(a)anthracene	14.01	228	51741	8.168	ng	93
82) Chrysene	14.04	228	38566	6.555	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	23050	4.407	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	74270	11.501	ng	98
88) Benzo(k)fluoranthene	15.06	252	74270	11.673	ng	98
89) Benzo(a)pyrene	15.43	252	45291	7.714	ng	98
91) Benzo(a,h,i)perylene	17.42	276	19131	3.922	ng	# 89

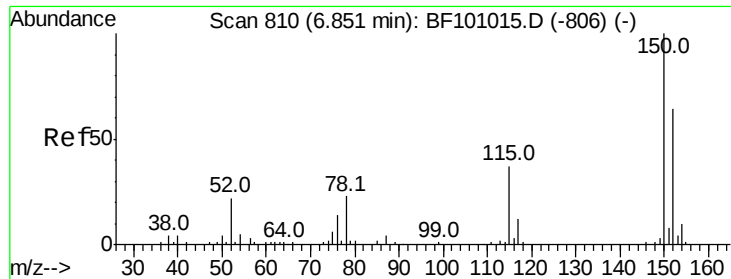
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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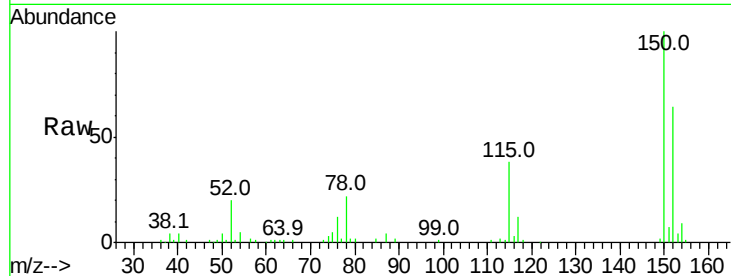


#1

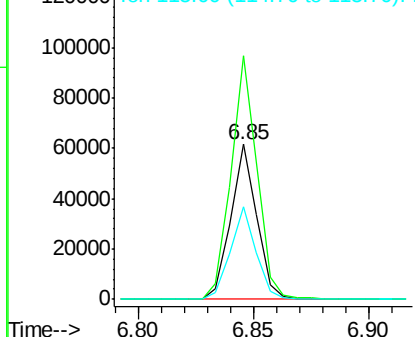
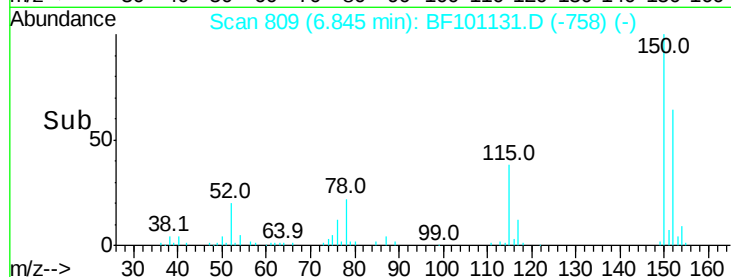
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 48273
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 60.1 50.1 75.1



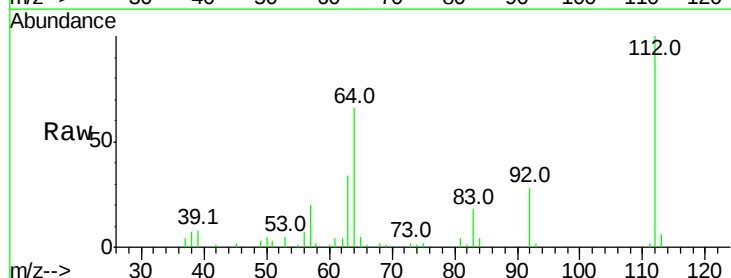
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



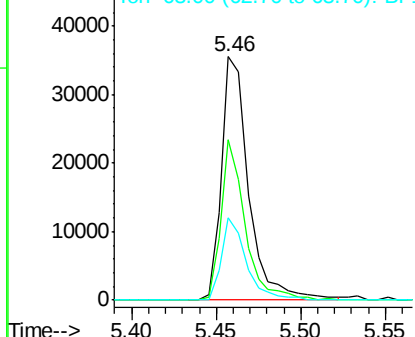
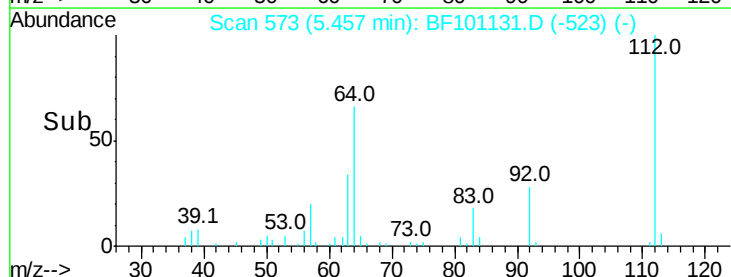
#5

2-Fluorophenol
Concen: 13.702 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Tgt Ion:112 Resp: 40029
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.0 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: 13.948 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

Instrument :

BNA_F

ClientSampleId :

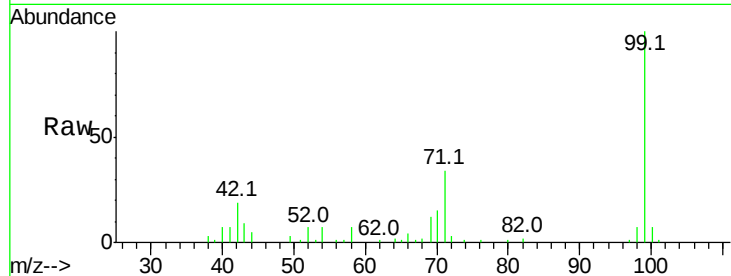
Tot Ion: 99 Resp: 49469

Ion Ratio Lower Upper

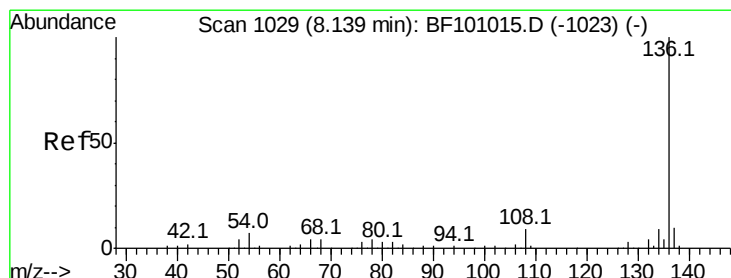
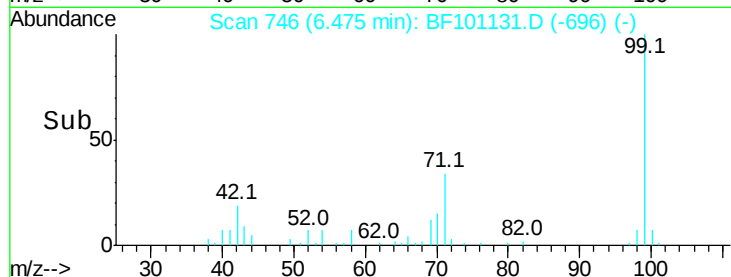
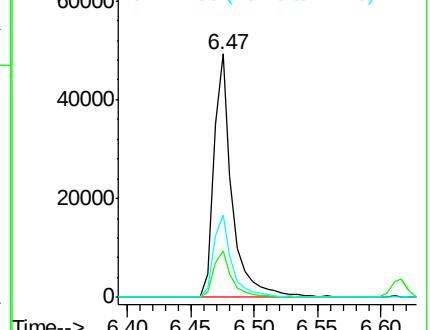
99 100

42 18.9 14.5 21.7

71 33.7 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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

Tgt Ion: 136 Resp: 185036

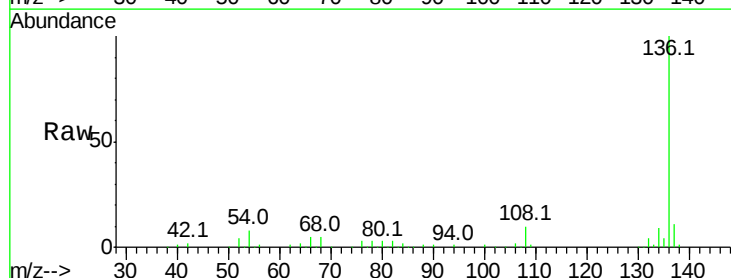
Ion Ratio Lower Upper

136 100

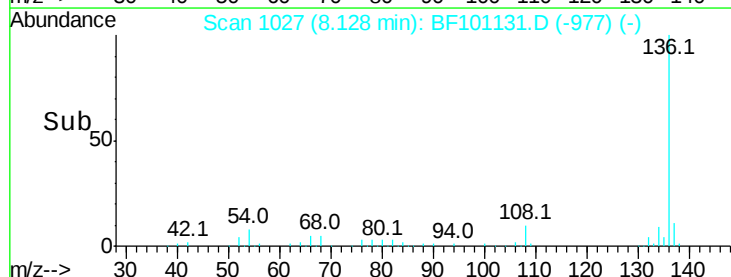
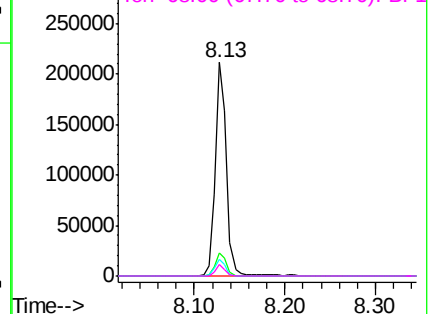
137 11.0 8.9 13.3

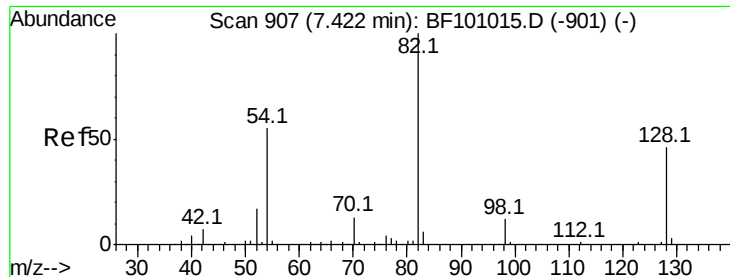
54 7.9 6.6 9.8

68 5.3 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

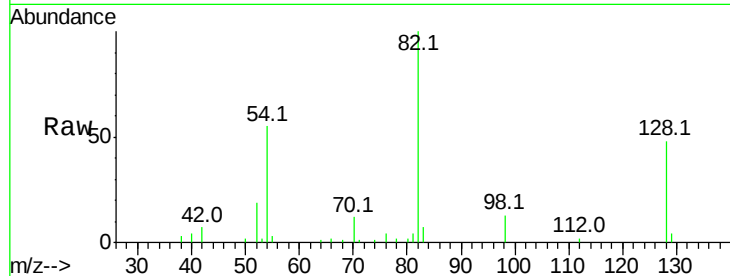




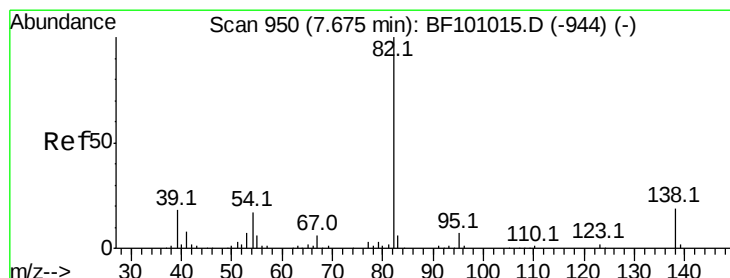
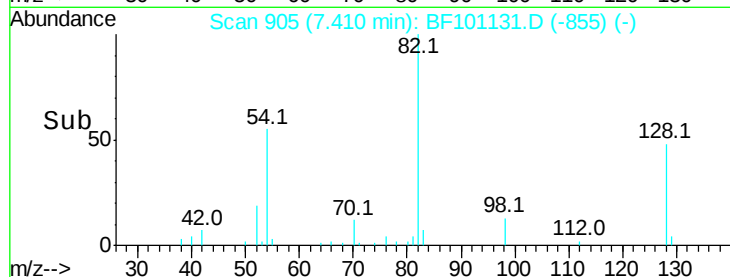
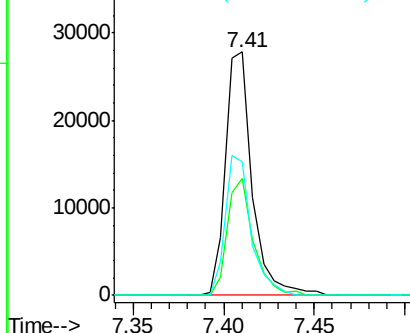
#23
 Nitrobenzene-d5
 Concen: 9.234 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	28642
Ion Ratio	Lower	Upper	
82	100		
128	48.0	36.1	54.1
54	54.6	41.4	62.2

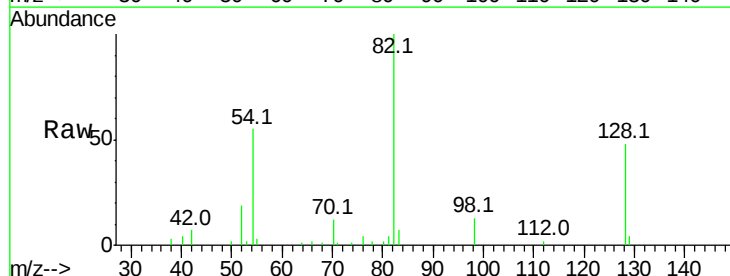


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

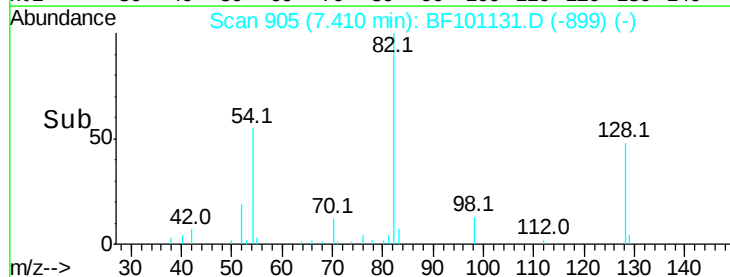
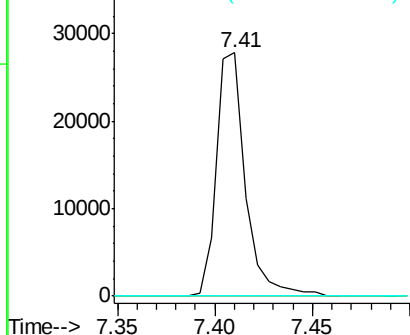


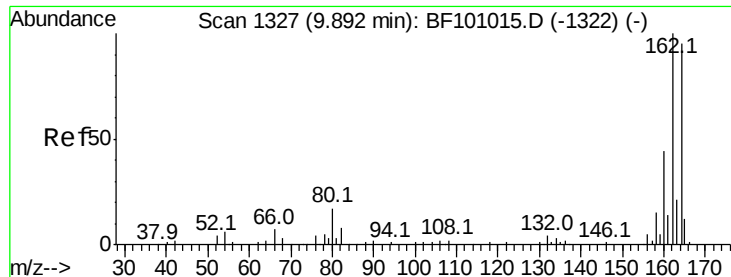
#25
 Isophorone
 Concen: 5.406 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Tgt Ion	82	Resp	28642
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

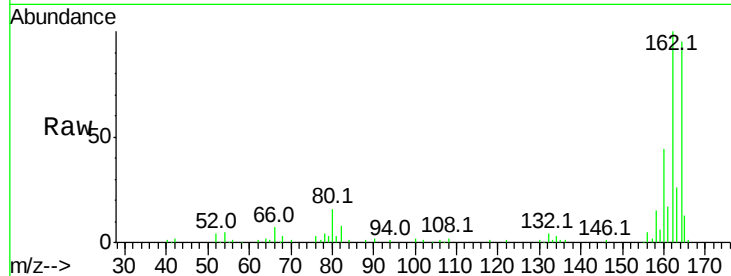




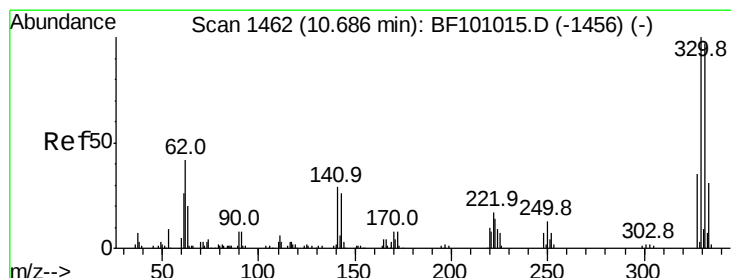
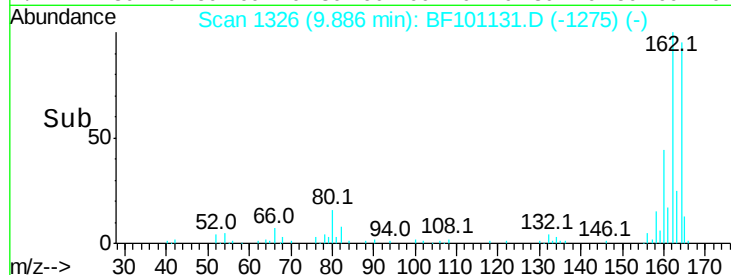
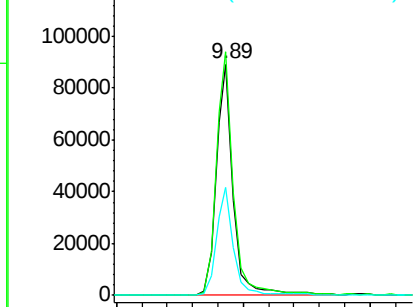
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 83930
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 46.6 38.3 57.5

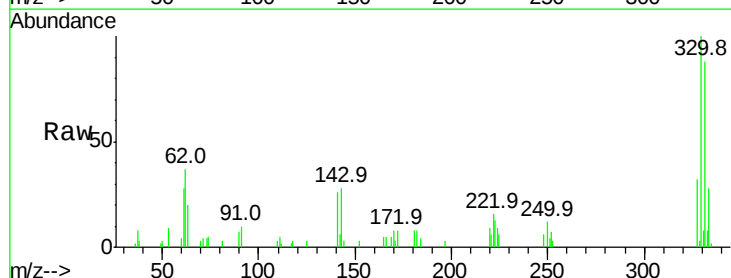


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

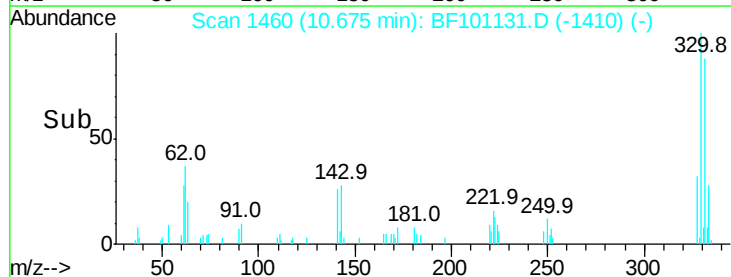
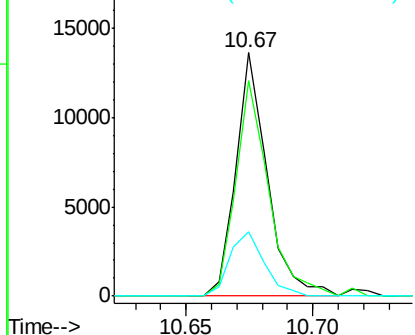


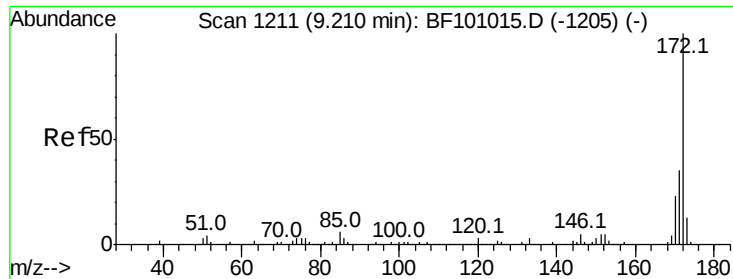
#41
2,4,6-Tribromophenol
Concen: 11.641 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Tgt Ion:330 Resp: 11737
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 29.4 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

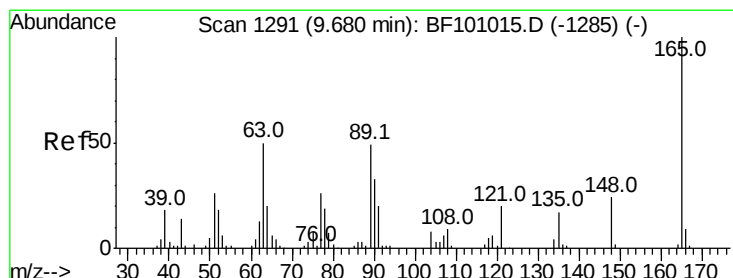
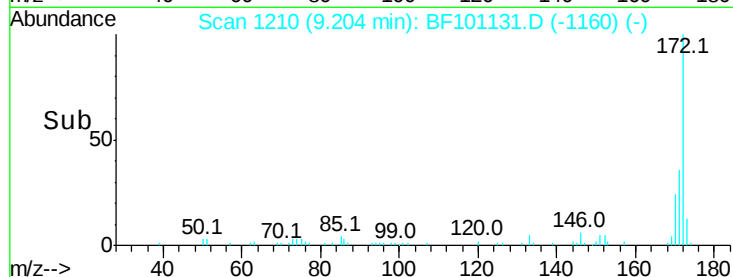
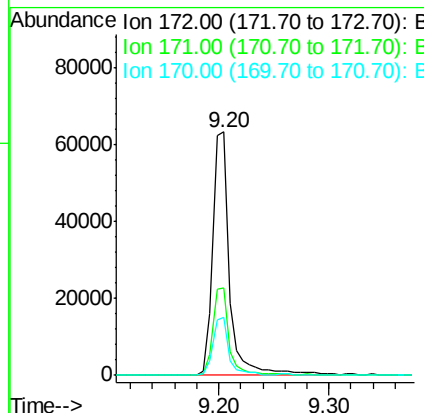
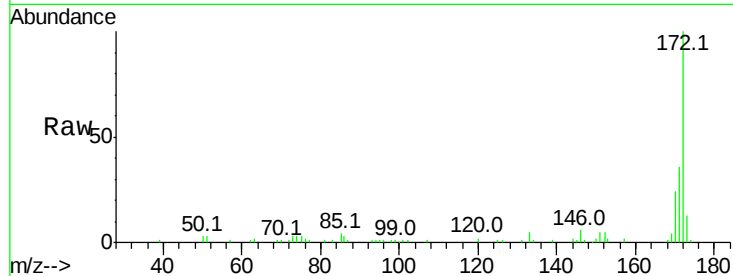




#44
 2-Fluorobiphenyl
 Concen: 10.767 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

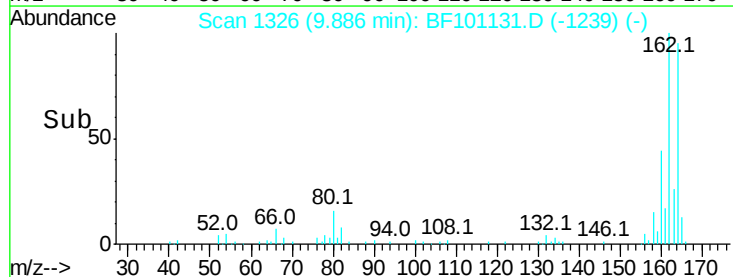
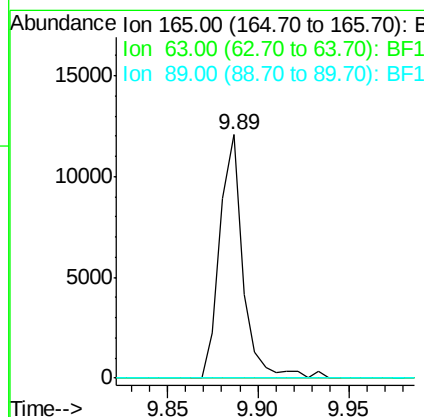
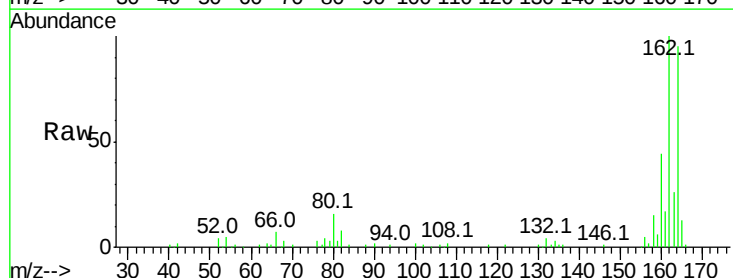
Instrument :
 BNA_F
 ClientSampleId :

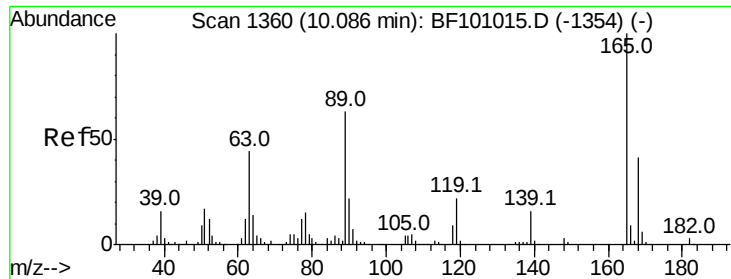
Tot Ion:172 Resp: 66047
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.6 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.547 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Tgt Ion:165 Resp: 10759
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

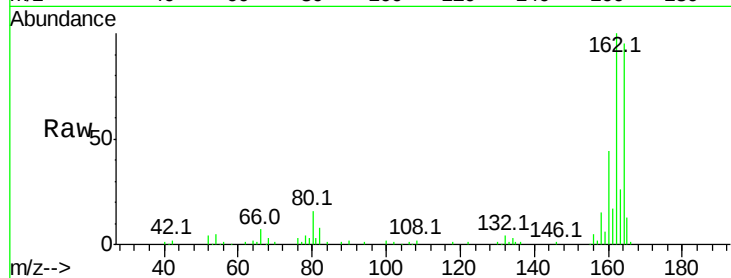




#56
 2,4-Dinitrotoluene
 Concen: 5.631 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

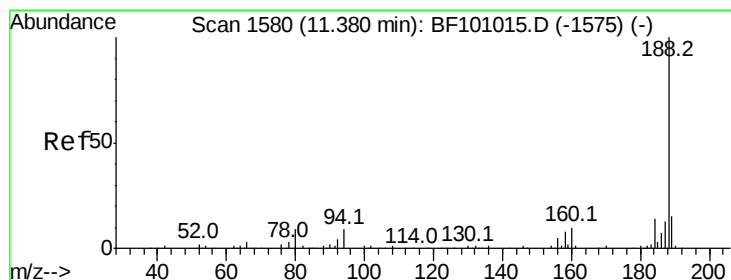
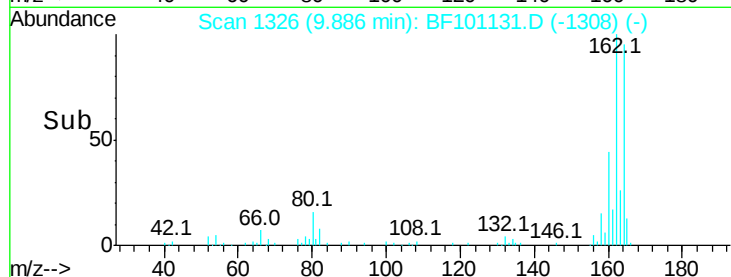
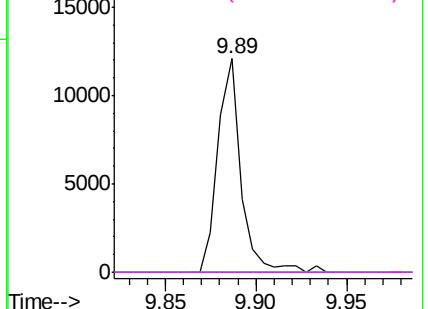


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

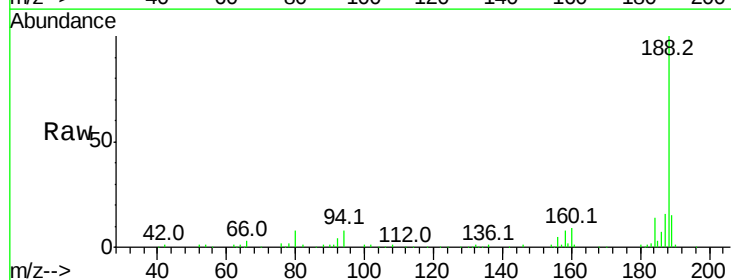
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

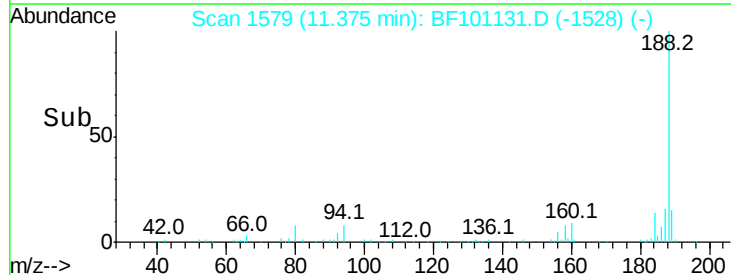
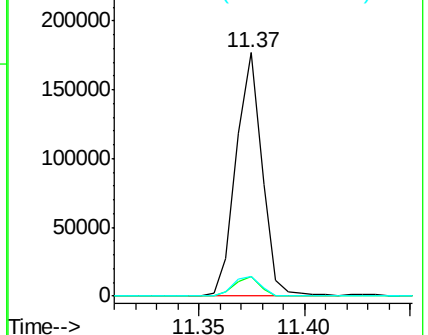
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.3	9.2	13.8#

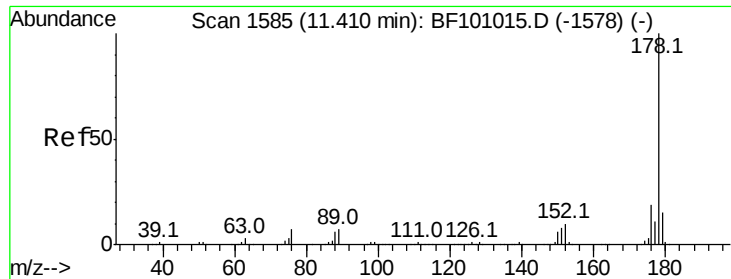


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.206 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

Instrument :

BNA_F

ClientSampleId :

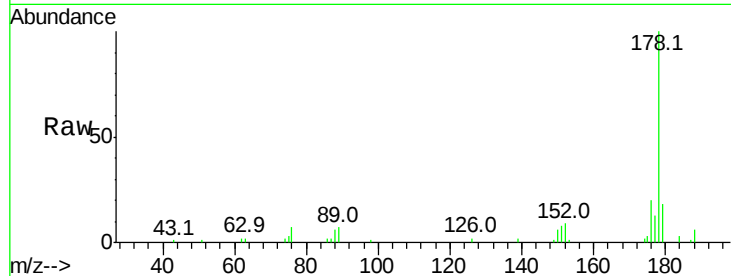
Tot Ion:178 Resp: 26545

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

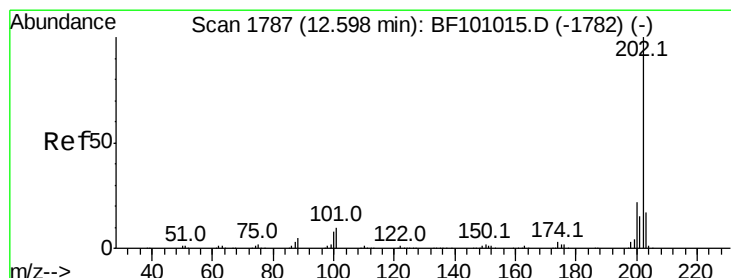
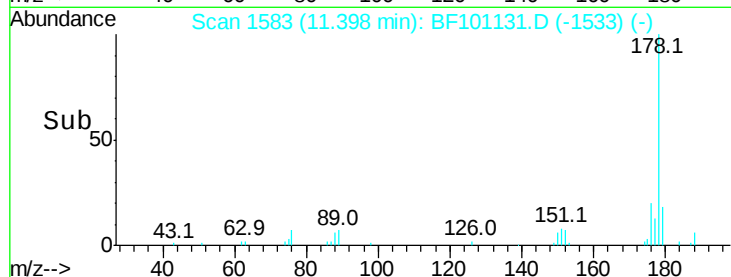
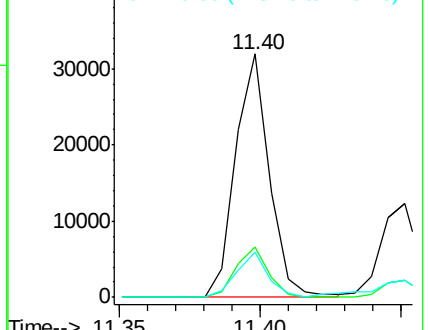
179 18.4 13.0 19.6



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



#74

Fluoranthene

Concen: 7.107 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

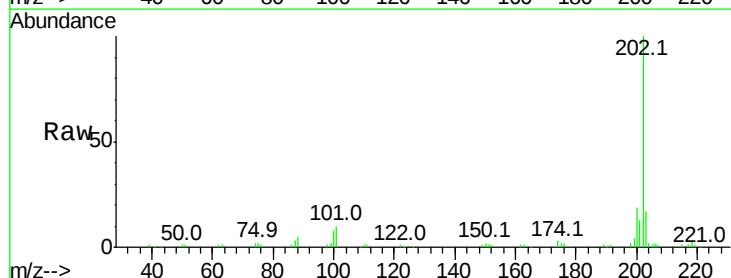
Tgt Ion:202 Resp: 65229

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

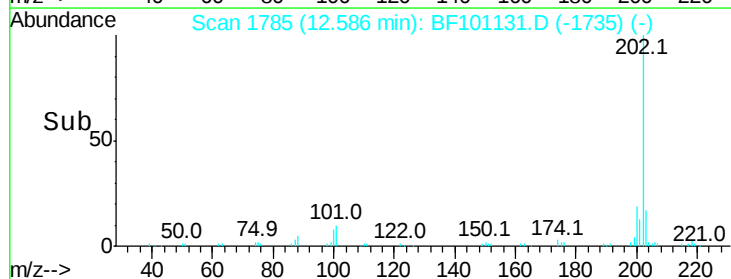
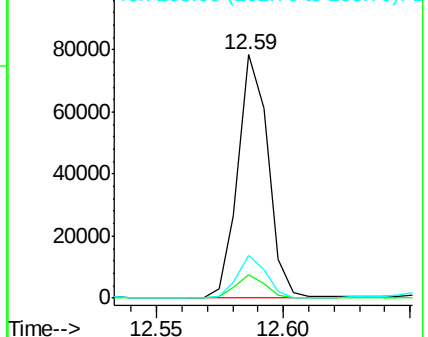
203 17.5 0.0 38.1

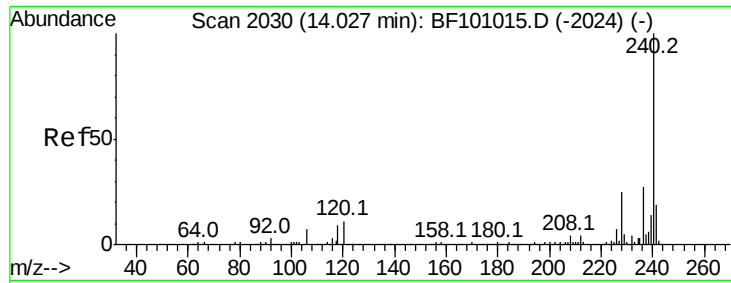


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

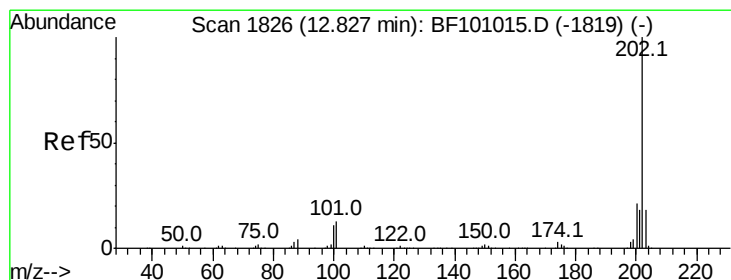
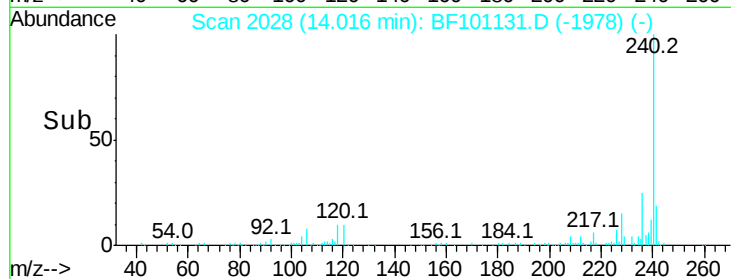
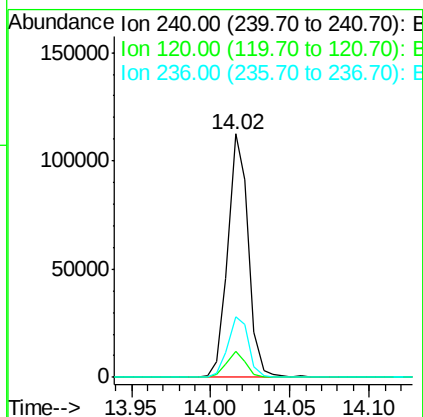
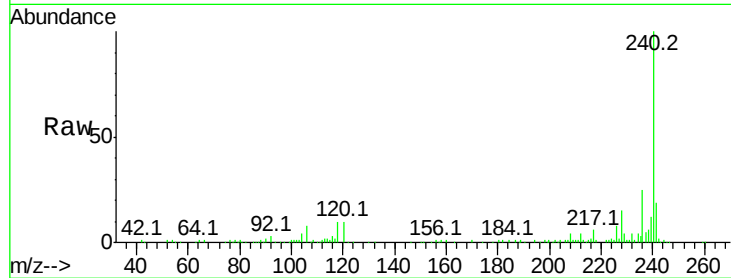




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

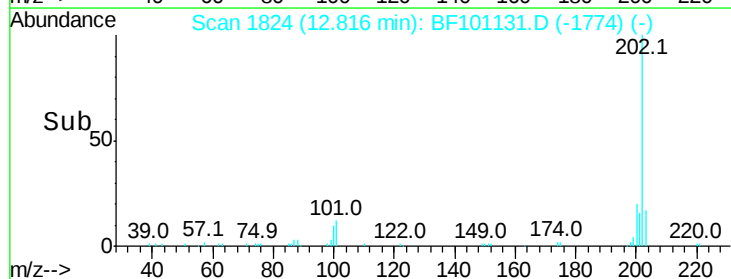
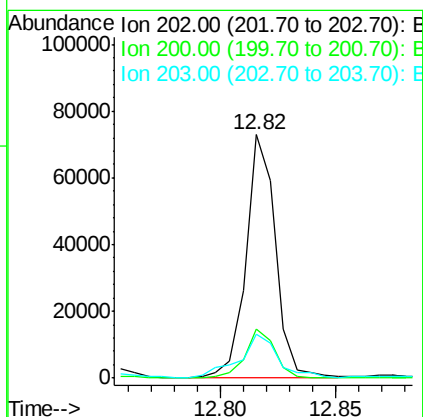
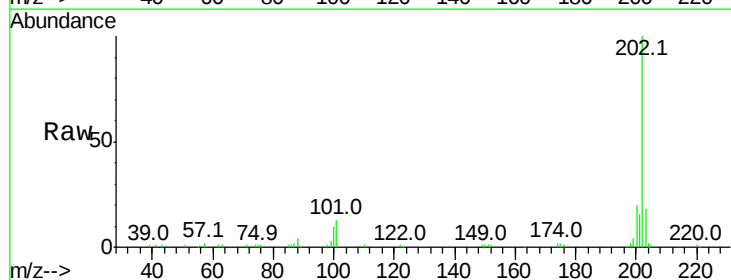
Instrument :
BNA_F
ClientSampled :

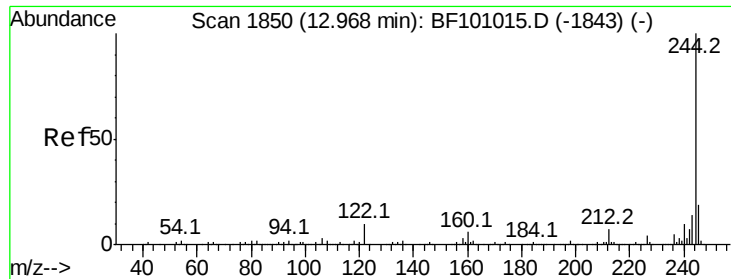
Tot Ion:240 Resp: 100331
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 24.9 20.7 31.1



#77
Pyrene
Concen: 9.419 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Tgt Ion:202 Resp: 65212
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 18.0 14.3 21.5

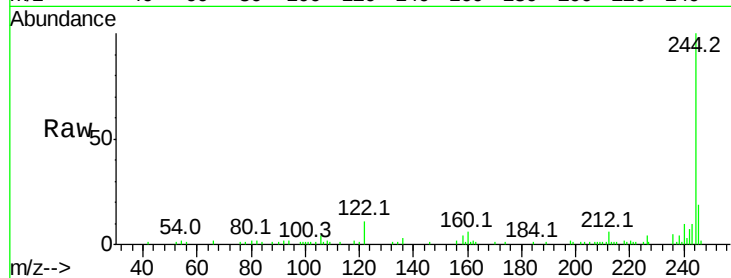




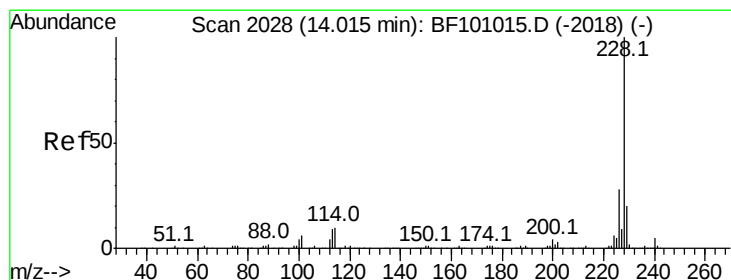
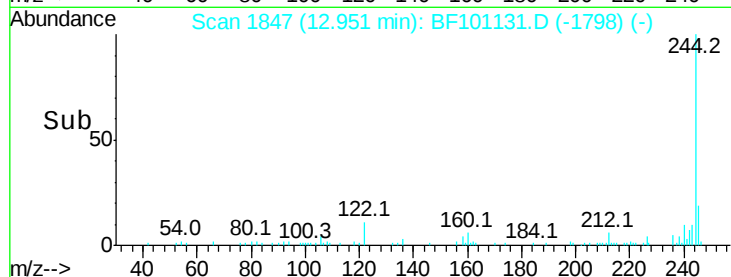
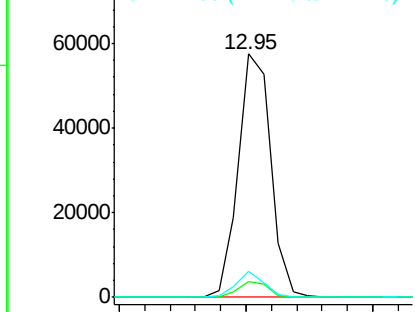
#78
 Terphenyl-d14
 Concen: 11.173 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 51251
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.6 11.0 16.4#

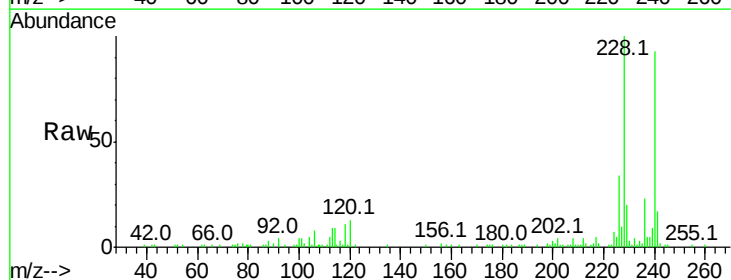


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

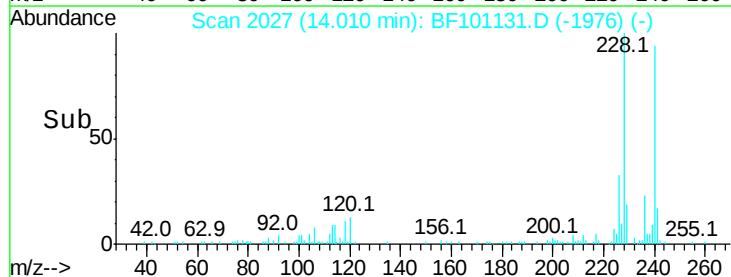
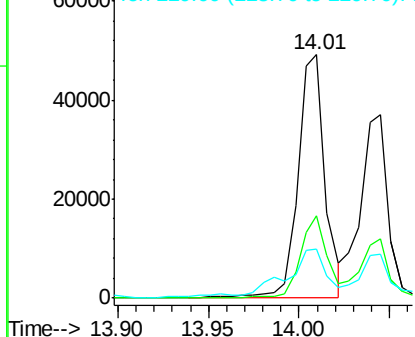


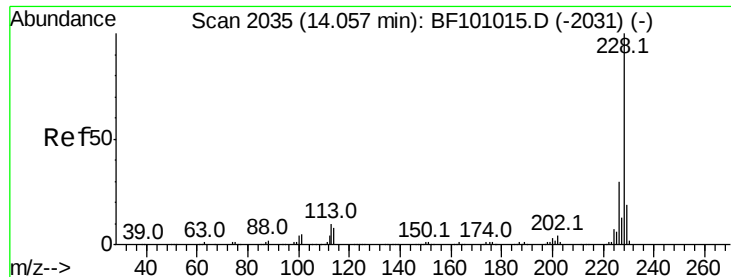
#80
 Benzo(a)anthracene
 Concen: 8.168 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Tgt Ion:228 Resp: 51741
 Ion Ratio Lower Upper
 228 100
 226 33.8 22.6 33.8
 229 20.4 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: 6.555 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

Instrument :

BNA_F

ClientSampleId :

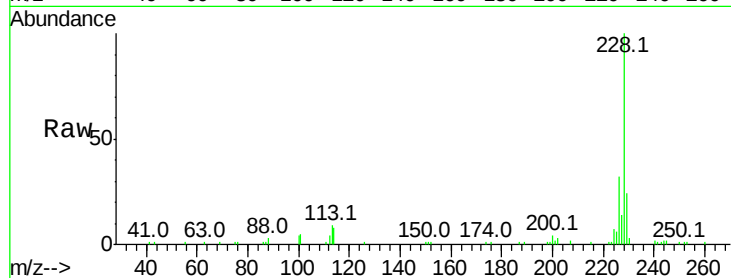
Tot Ion:228 Resp: 38566

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

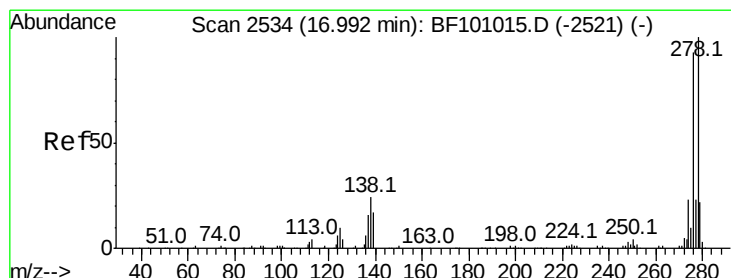
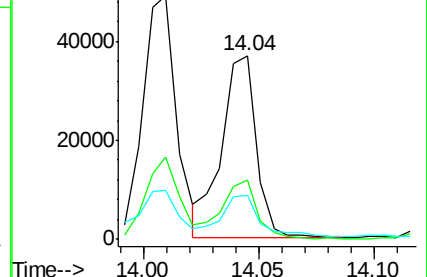
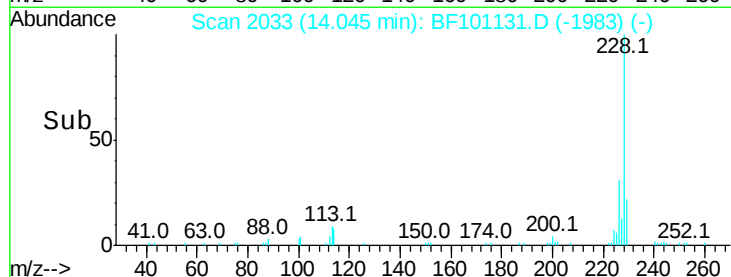
229 23.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.407 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF101131.D

Acq: 5 Dec 2017 18:21

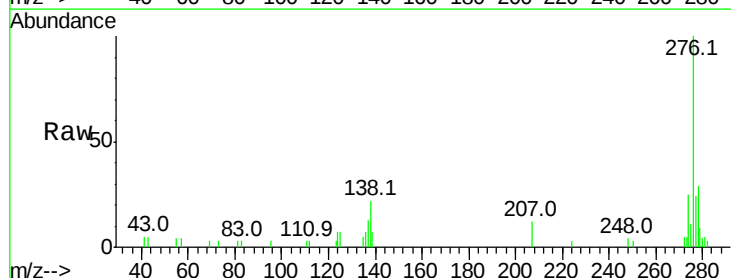
Tgt Ion:276 Resp: 23050

Ion Ratio Lower Upper

276 100

138 22.6 25.0 37.6#

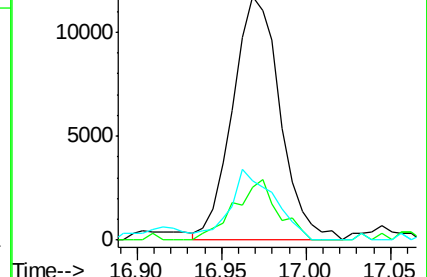
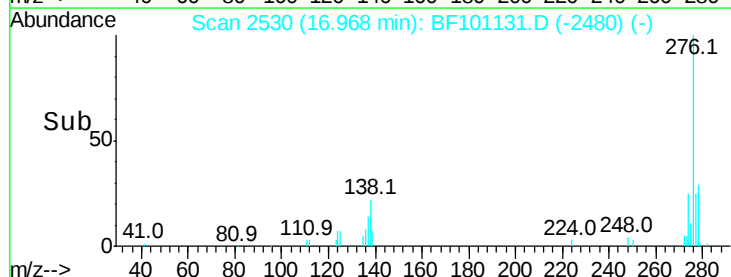
277 26.8 20.1 30.1

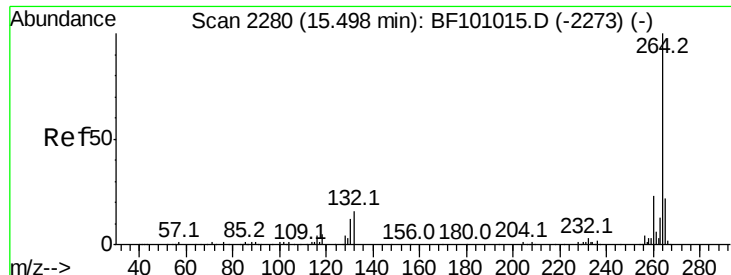


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

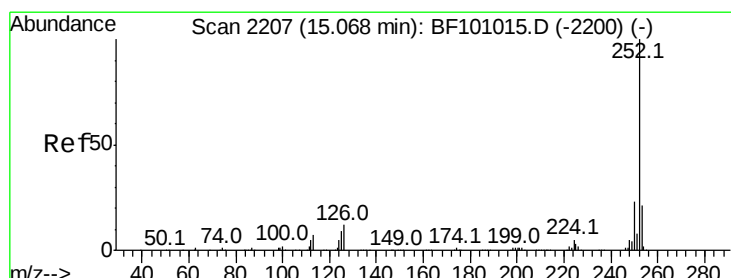
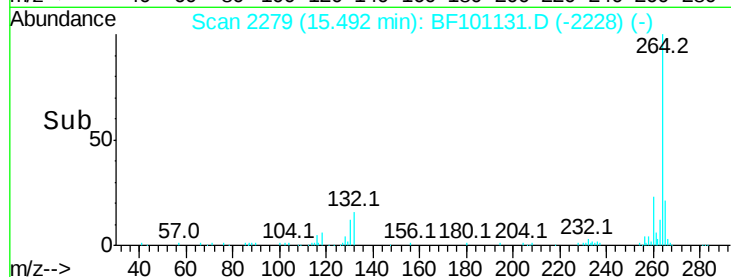
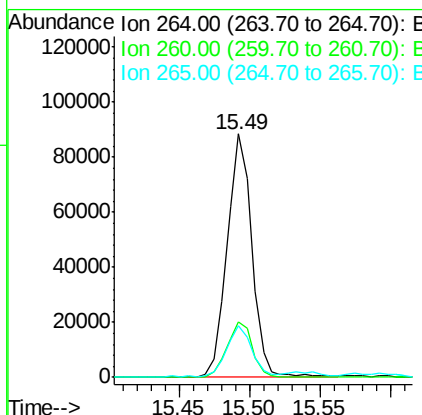
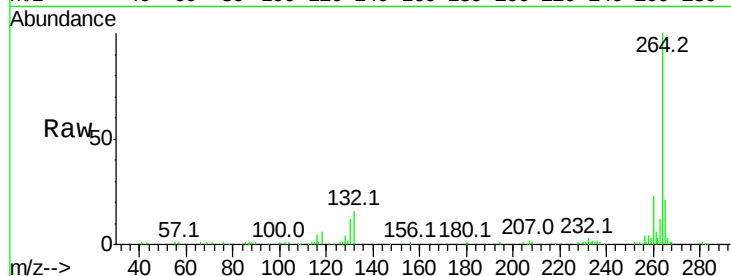




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

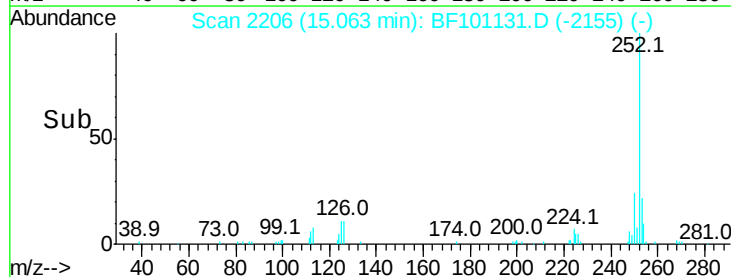
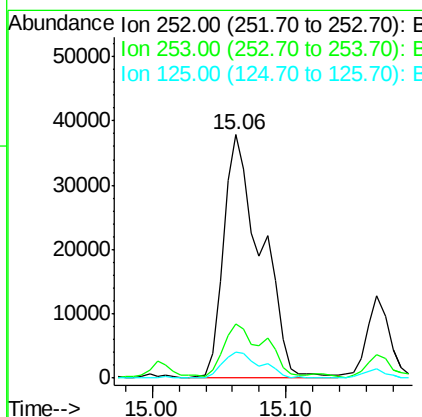
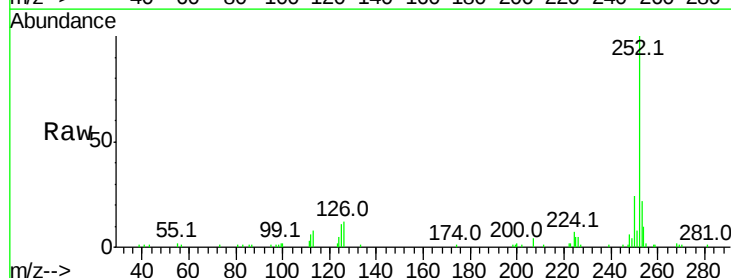
Instrument :
BNA_F
ClientSampleId :

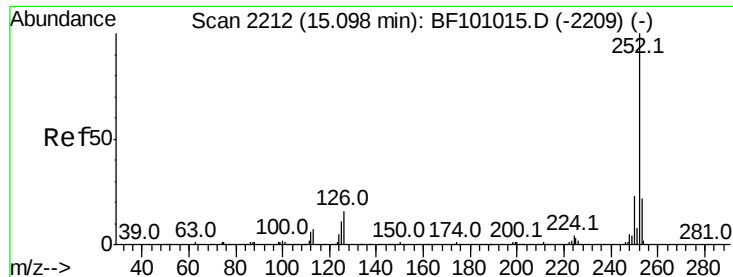
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 11.501 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	10.8	9.0	13.6

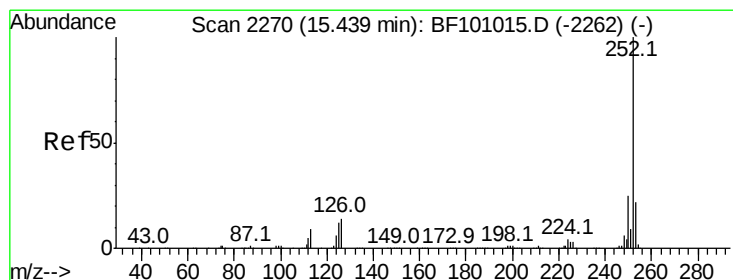
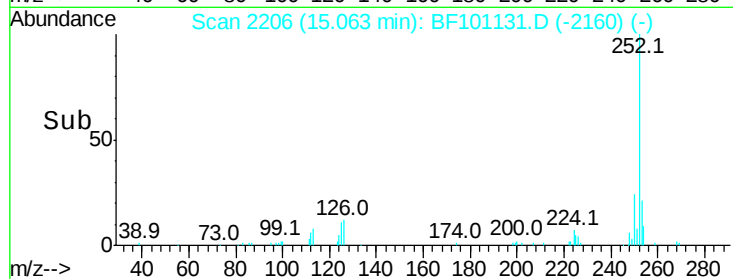
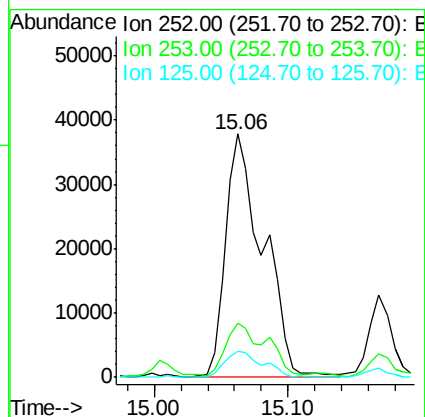
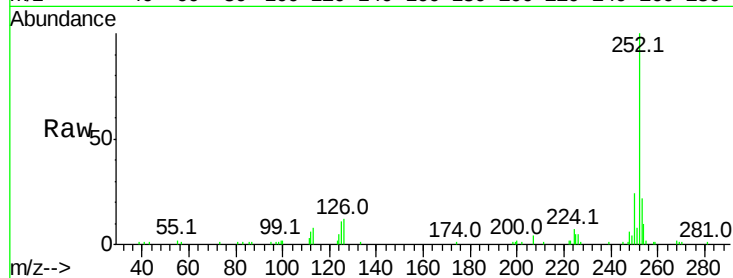




#88
Benzo(k)fluoranthene
Concen: 11.673 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

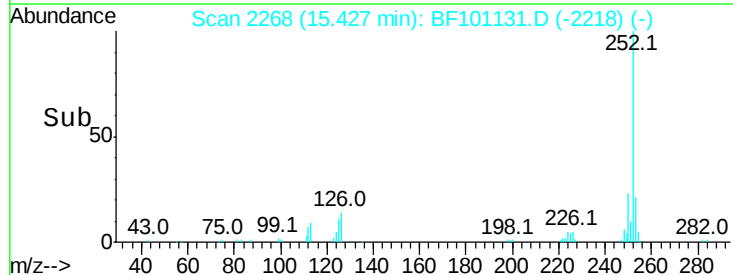
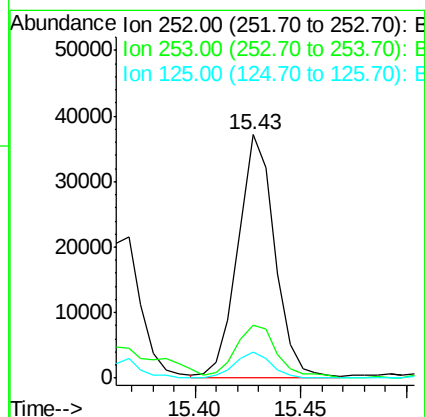
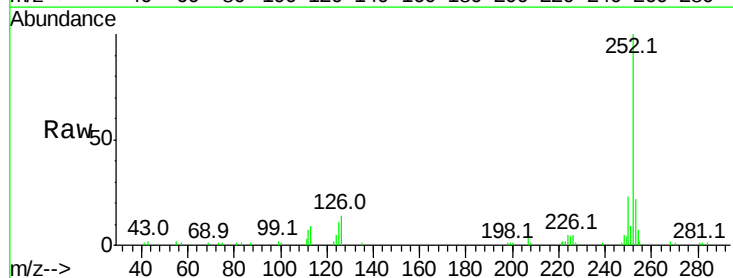
Instrument :
BNA_F
ClientSampleId :

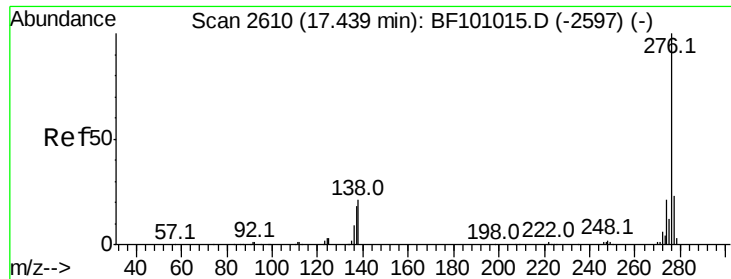
Tot Ion:252 Resp: 74270
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.714 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101131.D
Acq: 5 Dec 2017 18:21

Tgt Ion:252 Resp: 45291
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.5 9.8 14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.922 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF101131.D
 Acq: 5 Dec 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	19.1	21.8	32.8

