

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101293.D
 Acq On : 11 Dec 2017 16:56
 Operator : SJ/JU
 Sample : I6744-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 23:42:22 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	6.83	152	53546	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	206764	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	92572	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	160542	20.00	ng	0.00
75) Chrysene-d12	14.01	240	107569	20.00	ng	0.00
86) Perylene-d12	15.49	264	108851	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	338260	104.39	ng	0.01
7) Phenol-d6	6.47	99	407521	103.58	ng	0.00
23) Nitrobenzene-d5	7.40	82	249741	72.05	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	96491	86.77	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	458840	67.82	ng	0.00
78) Terphenyl-d14	12.94	244	324582	66.00	ng	0.00

Target Compounds

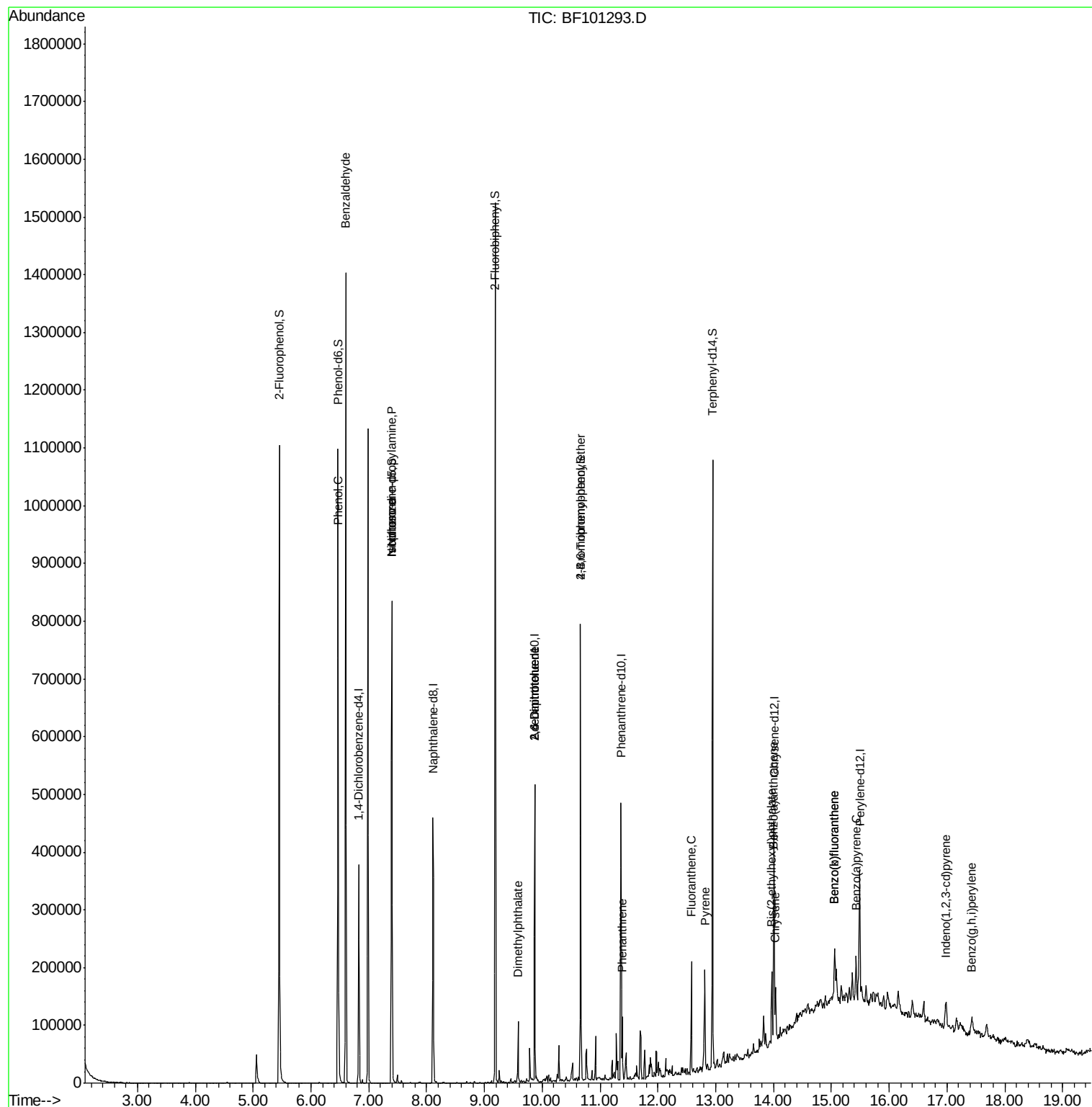
						Qvalue
9) Benzaldehyde	6.60	77	7314	3.037	ng	85
10) Phenol	6.48	94	14848	3.394	ng	89
19) n-Nitroso-di-n-propylamine	7.40	70	33235	12.544	ng	# 80
25) Isophorone	7.40	82	249739	42.182	ng	# 64
49) Dimethylphthalate	9.58	163	37227	4.986	ng	# 99
50) 2,6-Dinitrotoluene	9.87	165	11732	7.461	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	11732	5.567	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	6134	3.413	ng	# 1
70) Phenanthrene	11.39	178	41034	4.641	ng	96
74) Fluoranthene	12.58	202	80826	8.247	ng	95
77) Pyrene	12.81	202	68851	9.276	ng	96
80) Benzo(a)anthracene	14.00	228	40392	5.947	ng	97
82) Chrysene	14.03	228	37209	5.899	ng	96
83) Bis(2-ethylhexyl)phthalate	13.97	149	30979	6.639	ng	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	20851	3.718	ng	91
87) Benzo(b)fluoranthene	15.06	252	64914	9.956	ng	94
88) Benzo(k)fluoranthene	15.06	252	64914	10.106	ng	97
89) Benzo(a)pyrene	15.43	252	31713	5.350	ng	# 94
91) Benzo(a,h,i)perylene	17.43	276	19839	4.029	ng	95

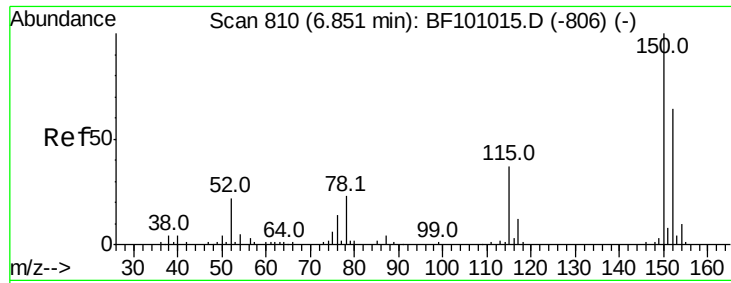
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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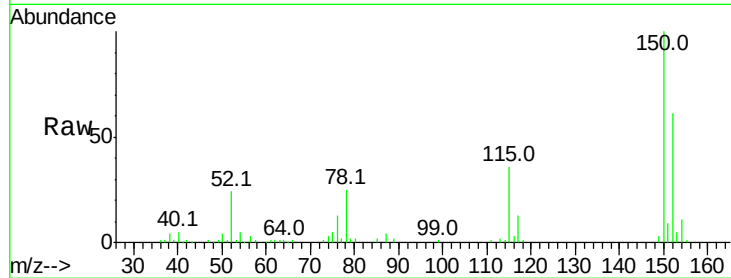


#1

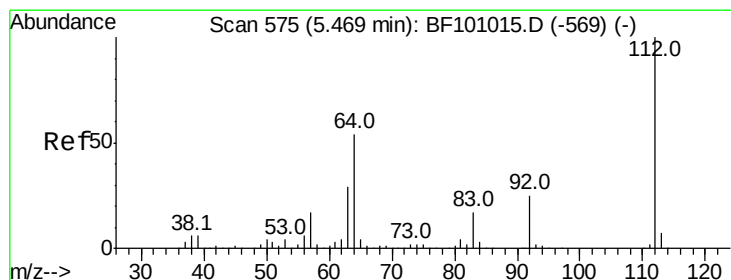
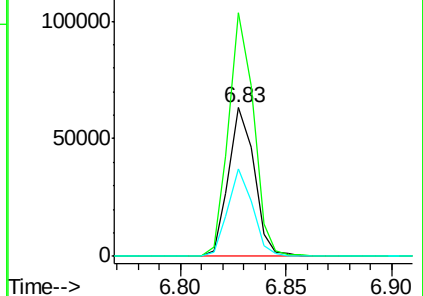
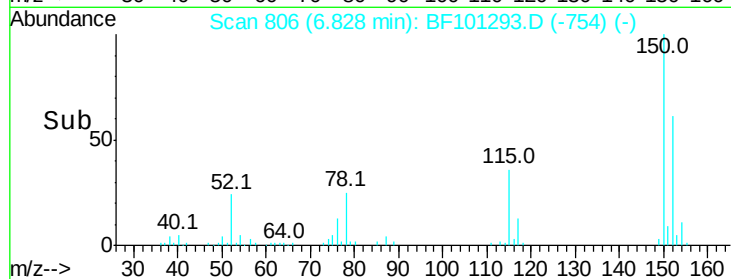
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53546
Ion Ratio Lower Upper
152 100
150 164.2 124.6 186.8
115 59.1 50.1 75.1



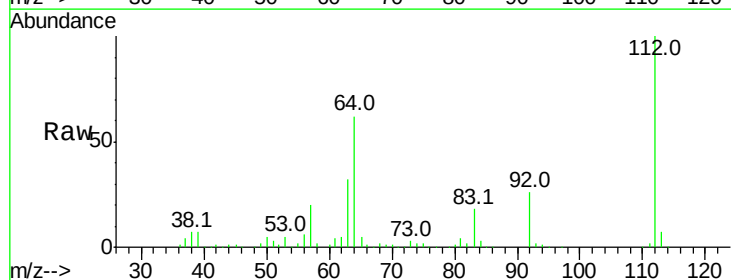
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



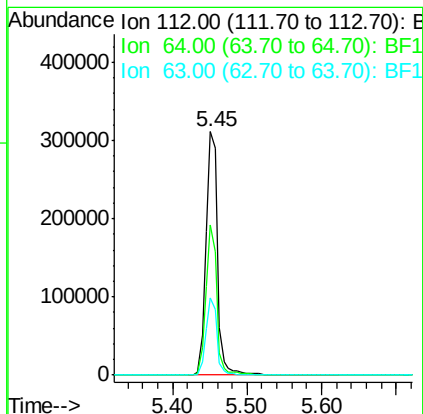
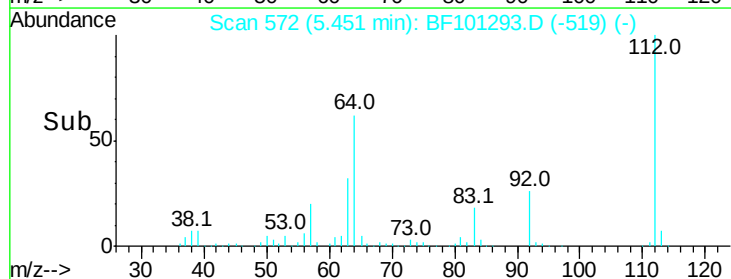
#5

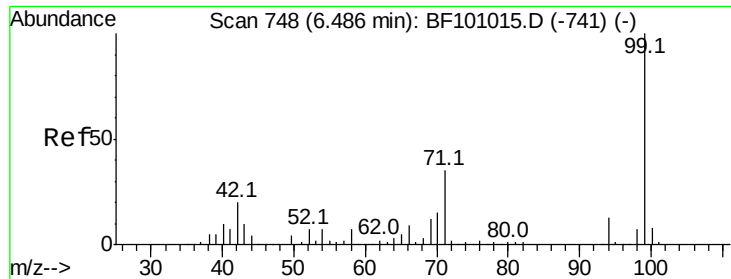
2-Fluorophenol
Concen: 104.388 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion:112 Resp: 338260
Ion Ratio Lower Upper
112 100
64 61.7 47.9 71.9
63 31.8 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: 103.585 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampled :

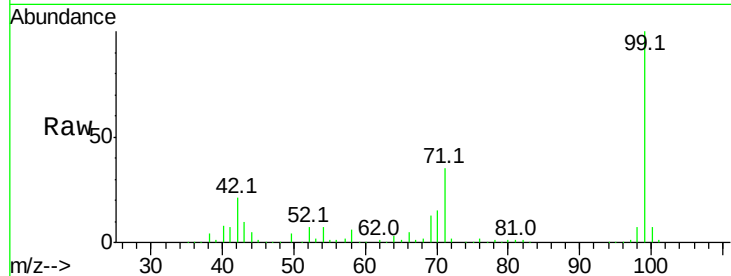
Tot Ion: 99 Resp: 407521

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

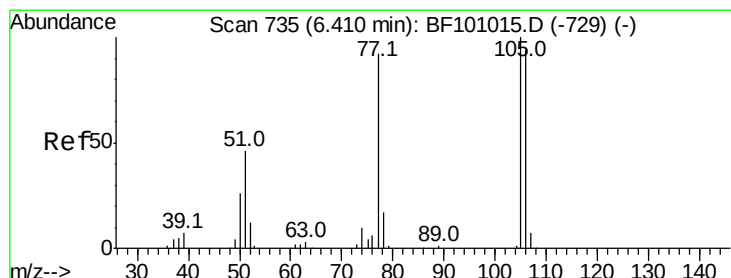
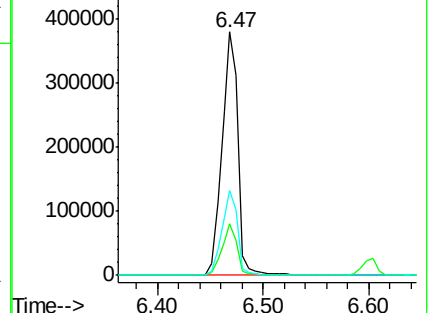
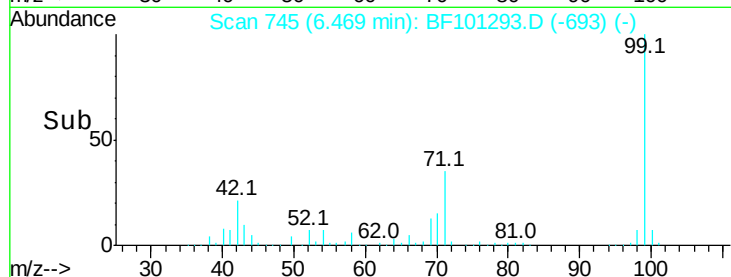
71 35.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.037 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

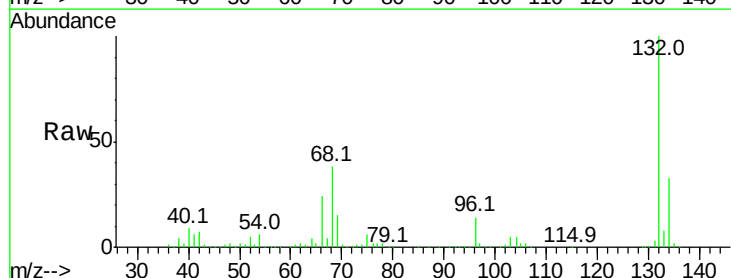
Tgt Ion: 77 Resp: 7314

Ion Ratio Lower Upper

77 100

105 85.9 81.1 121.1

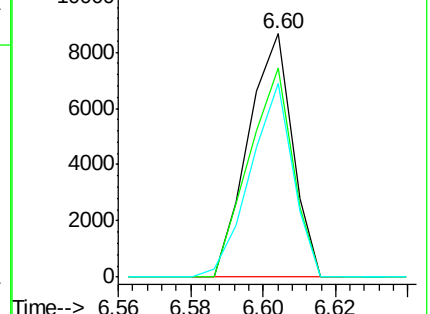
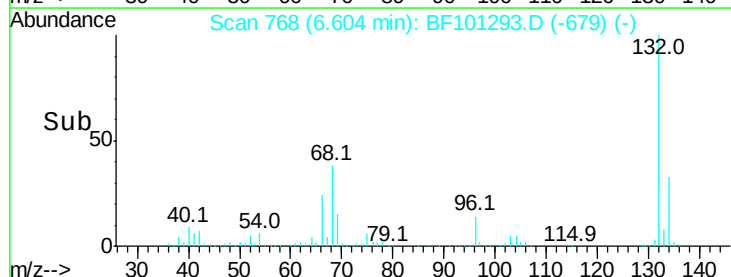
106 79.3 74.5 114.5

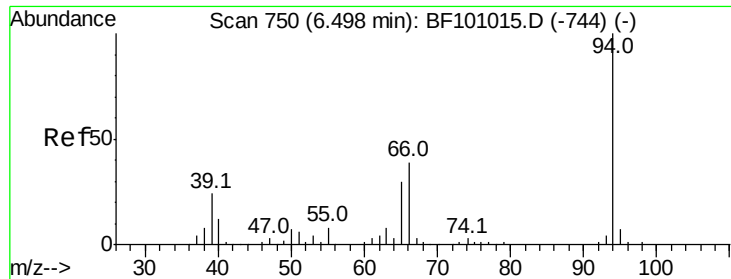


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

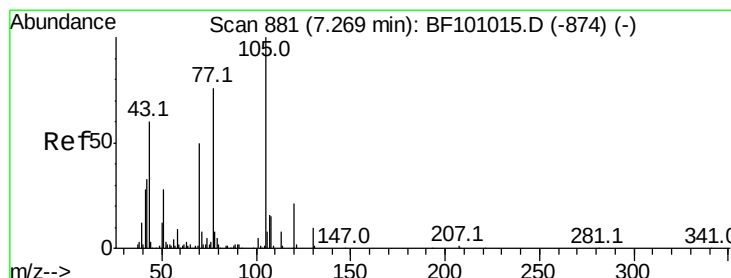
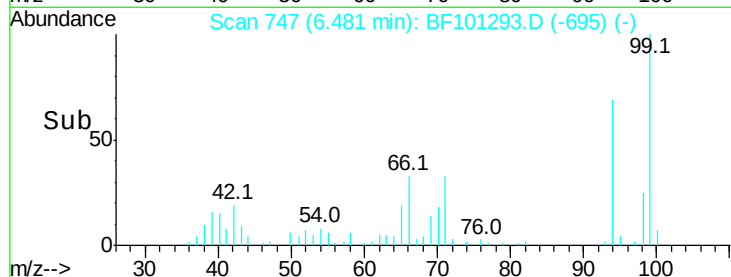
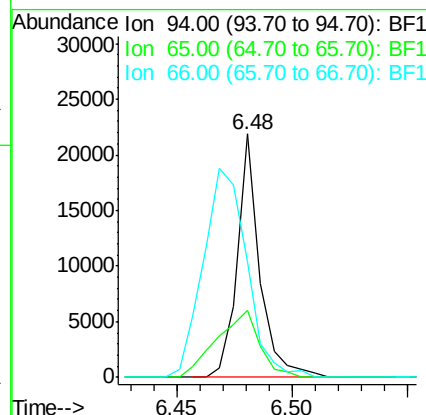
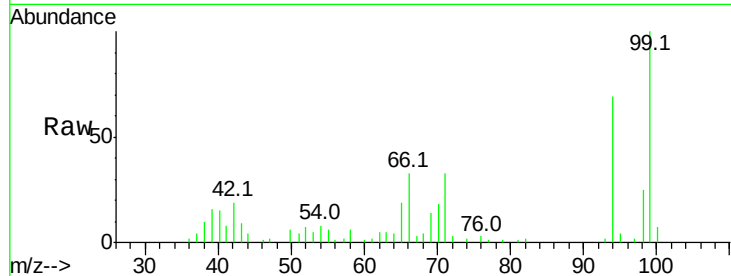




#10
Phenol
Concen: 3.394 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

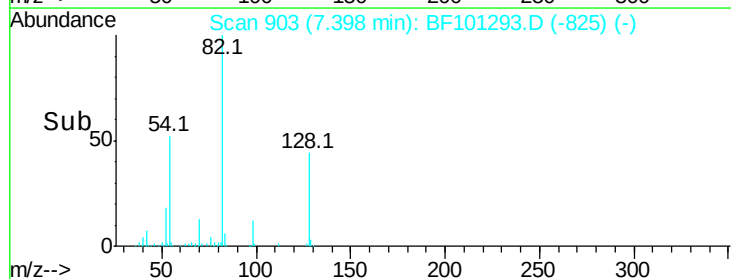
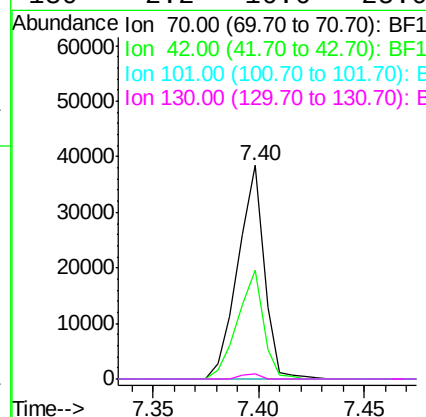
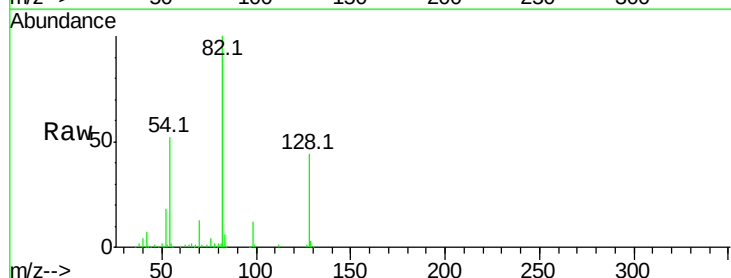
Instrument :
BNA_F
ClientSampled :

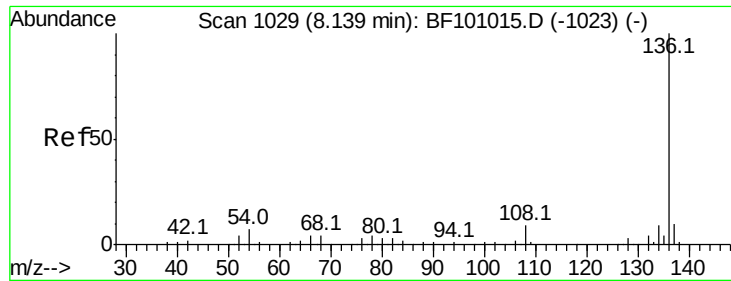
Tot Ion: 94 Resp: 14848
Ion Ratio Lower Upper
94 100
65 27.6 7.9 47.9
66 47.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.544 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.16 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion: 70 Resp: 33235
Ion Ratio Lower Upper
70 100
42 50.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

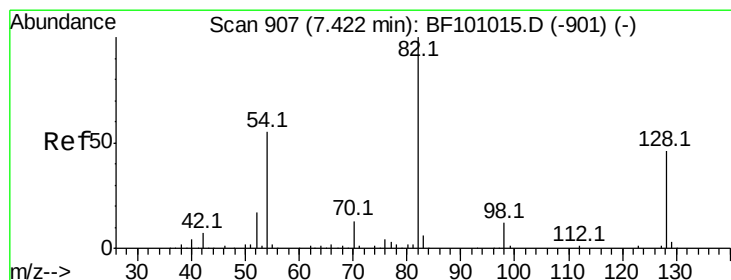
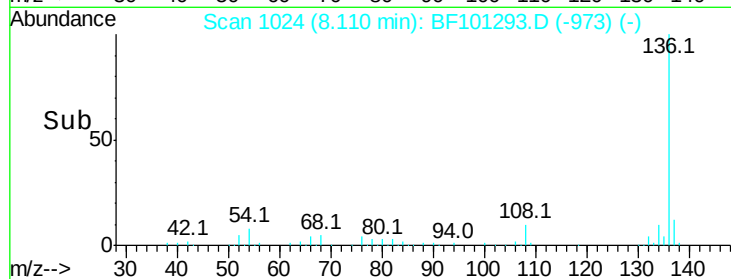
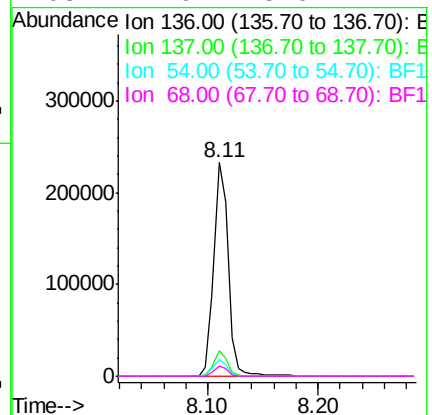
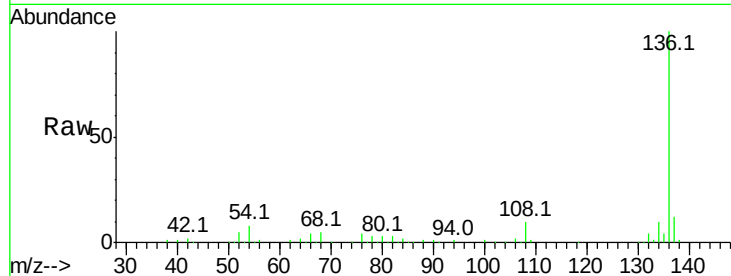




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

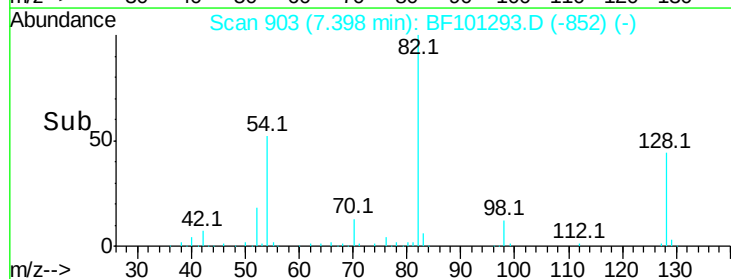
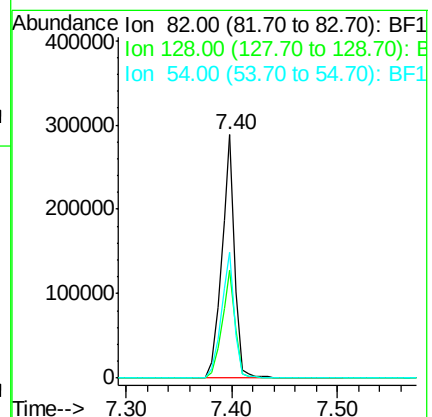
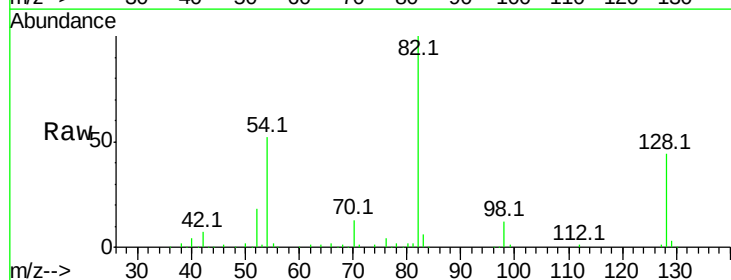
Instrument :
BNA_F
ClientSampleId :

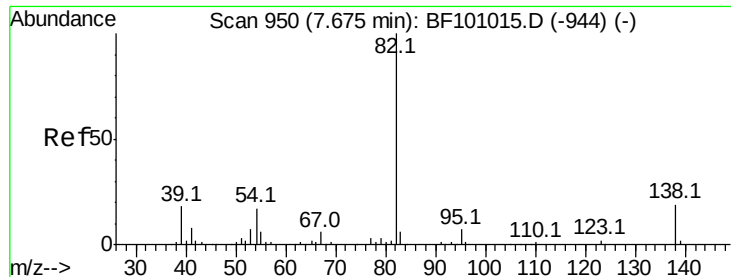
Tot Ion:	136	Resp:	206764
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	8.1	6.6	9.8
68	4.9	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 72.052 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion:	82	Resp:	249741
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	51.7	41.4	62.2





#25

Isophorone

Concen: 42.182 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampleId :

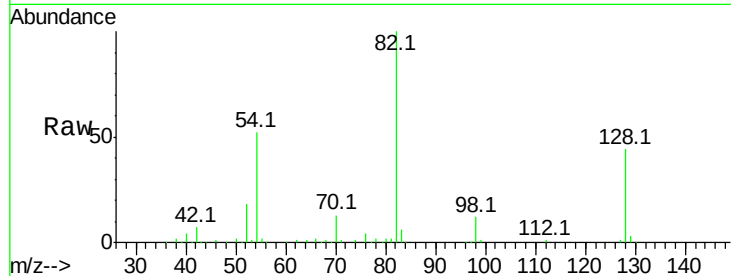
Tot Ion: 82 Resp: 249739

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

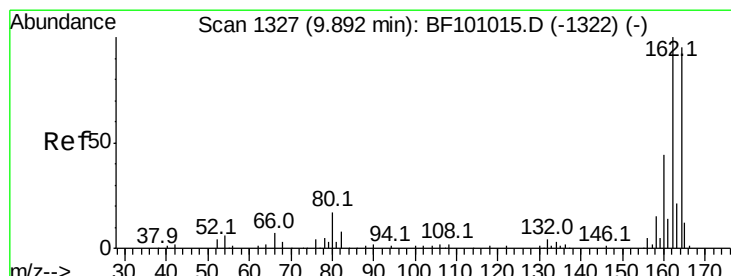
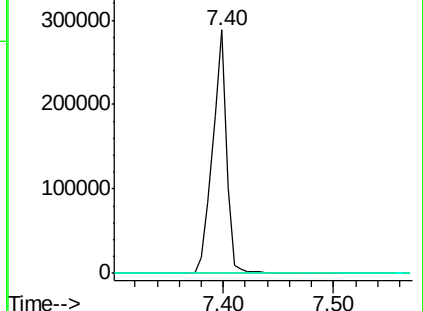
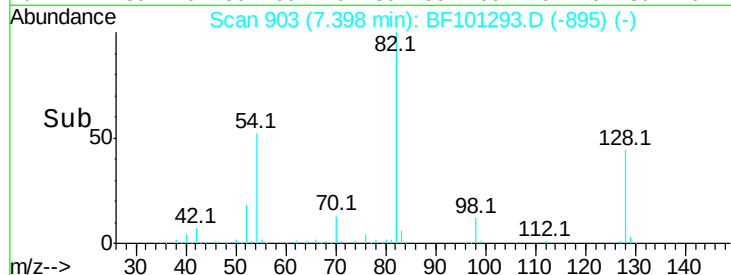
138 0.0 14.9 22.3#



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: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

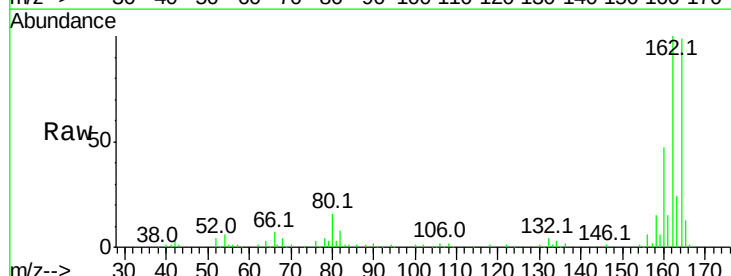
Tgt Ion: 164 Resp: 92572

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

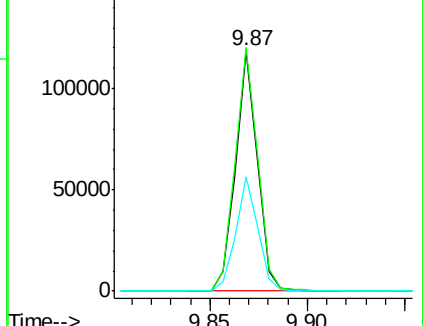
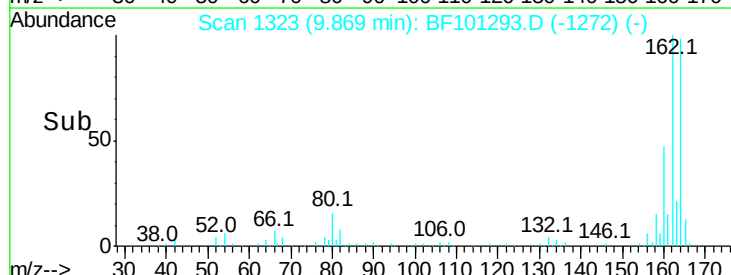
160 47.6 38.3 57.5

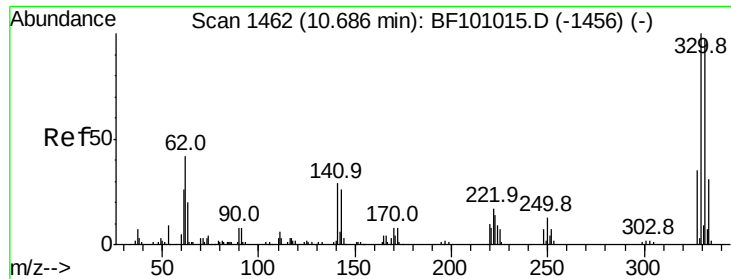


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

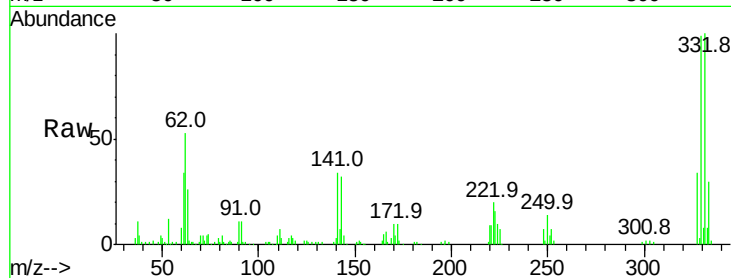




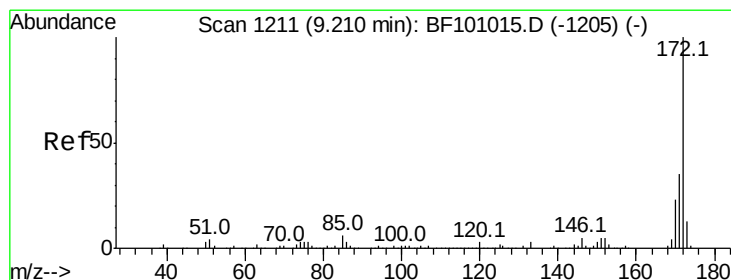
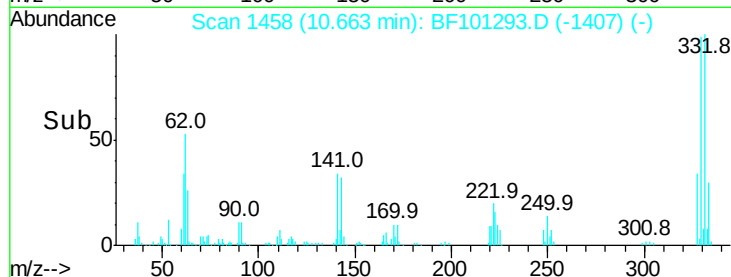
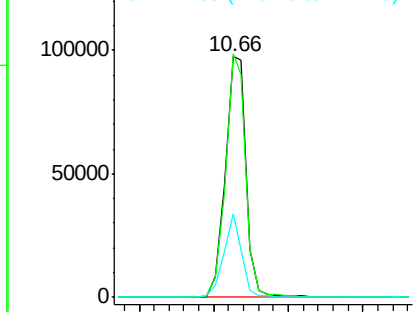
#41
 2,4,6-Tribromophenol
 Concen: 86.768 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 96491
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 29.8 29.9 44.9#

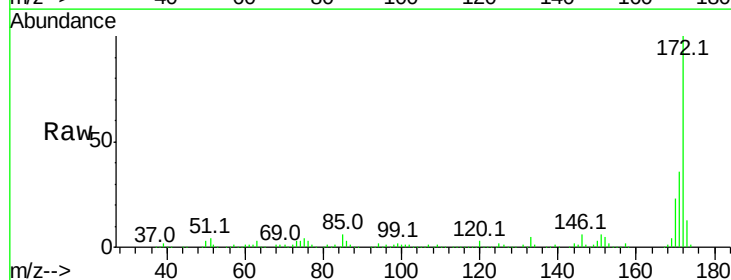


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

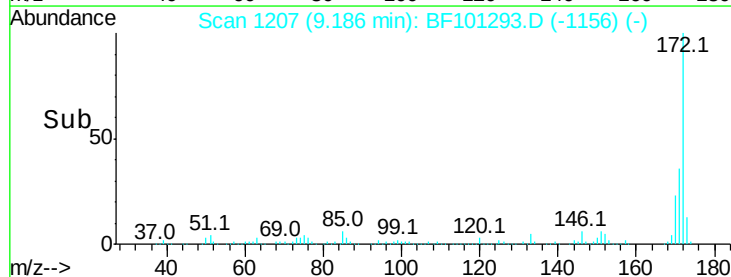
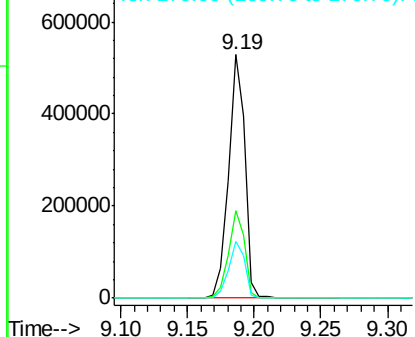


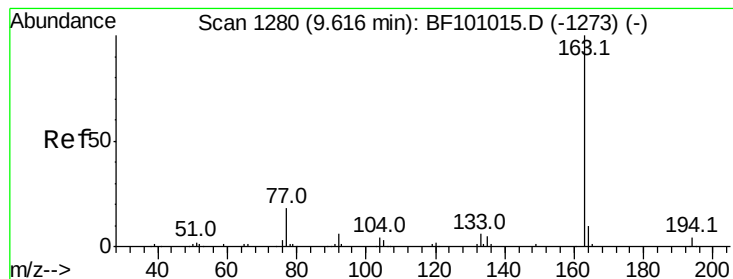
#44
 2-Fluorobiphenyl
 Concen: 67.816 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Tgt Ion:172 Resp: 458840
 Ion Ratio Lower Upper
 172 100
 171 35.8 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: 4.986 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampleId :

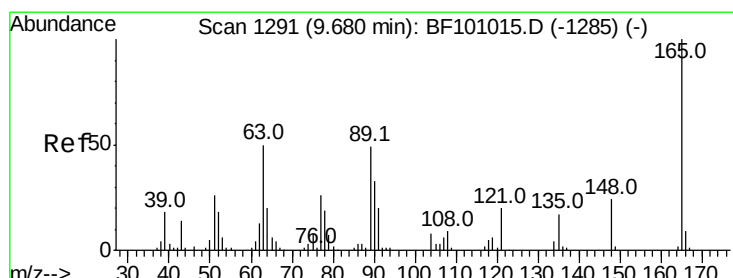
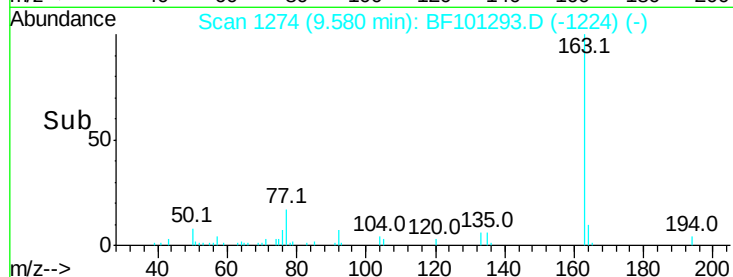
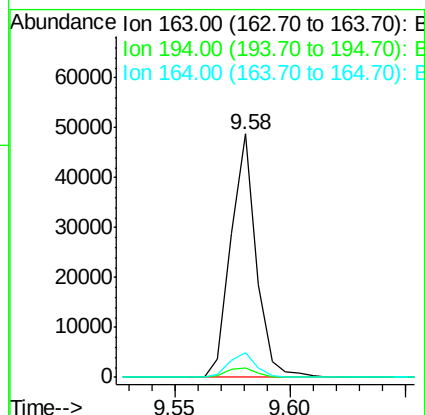
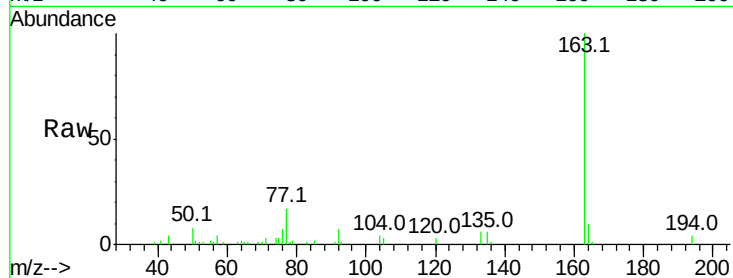
Tot Ion:163 Resp: 37227

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

164 10.2 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 7.461 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

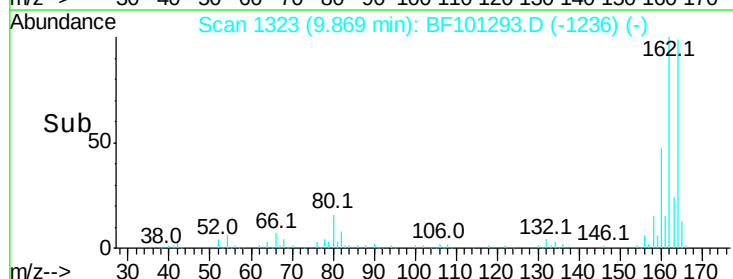
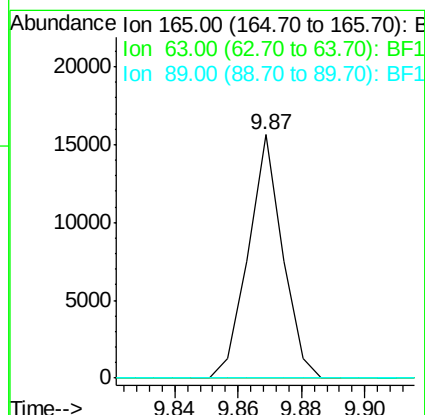
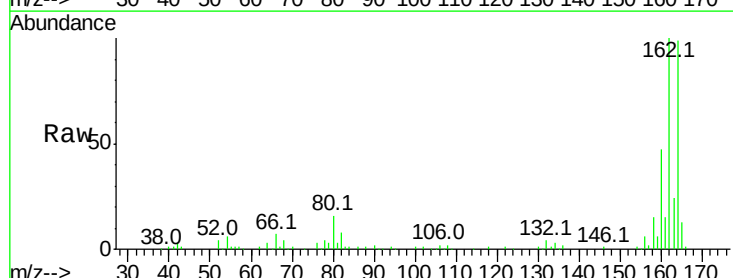
Tgt Ion:165 Resp: 11732

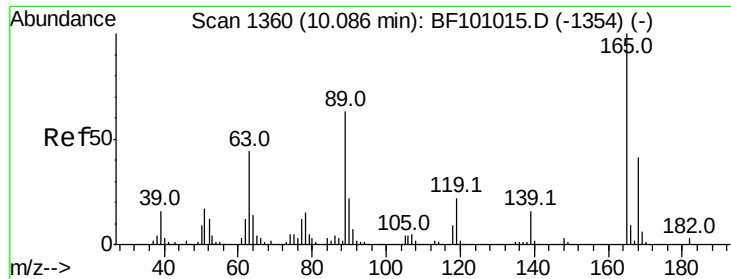
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

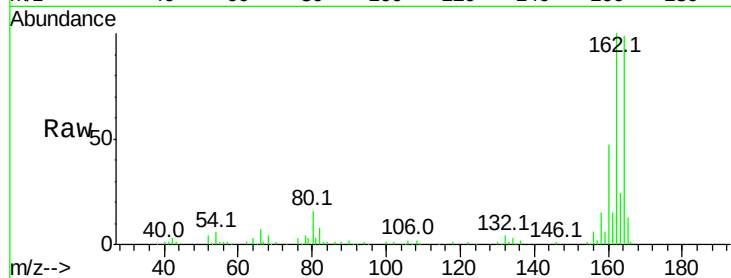




#56
 2,4-Dinitrotoluene
 Concen: 5.567 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Instrument :
 BNA_F
 ClientSampled :

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#

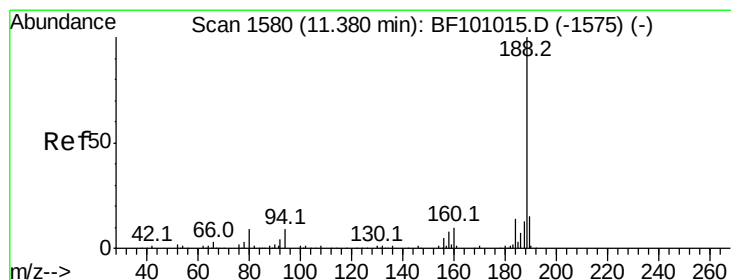
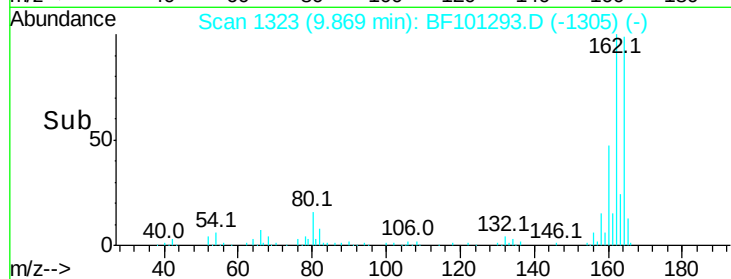
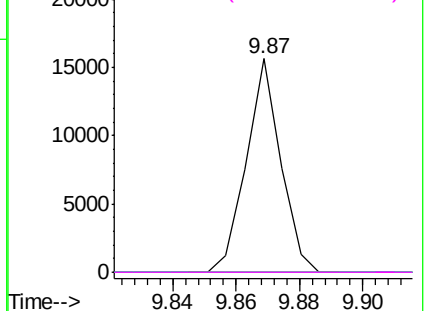


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

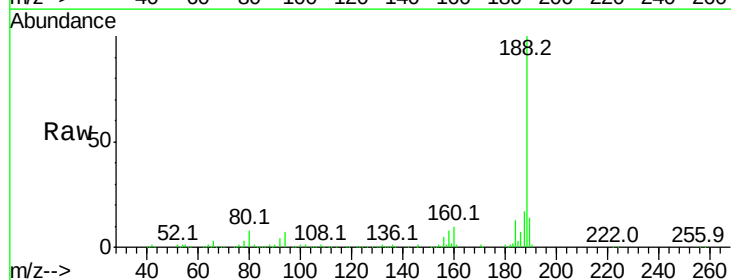
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

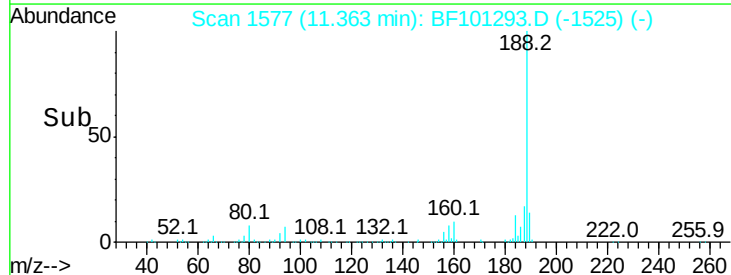
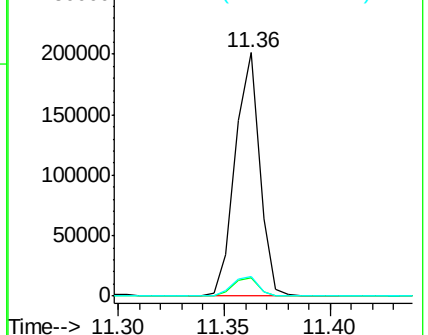
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	8.2	9.2	13.8#

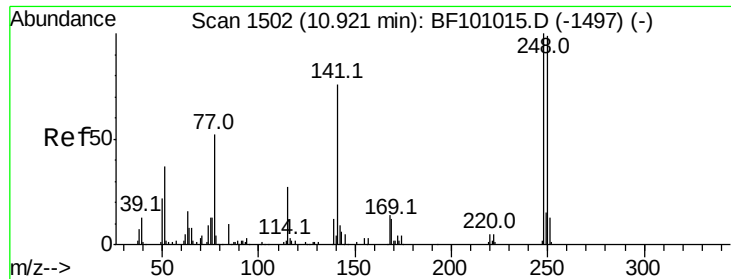


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

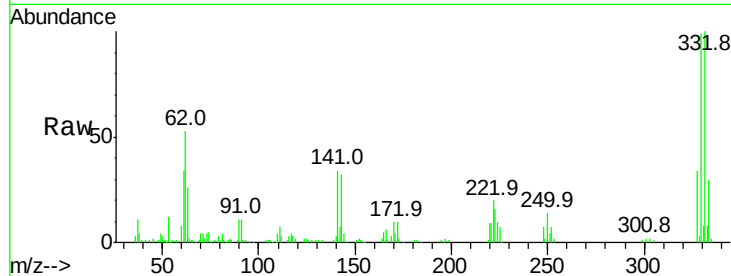




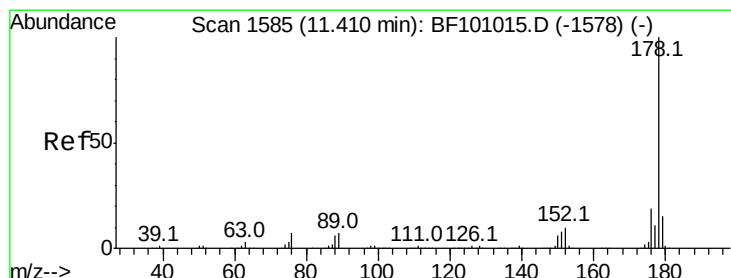
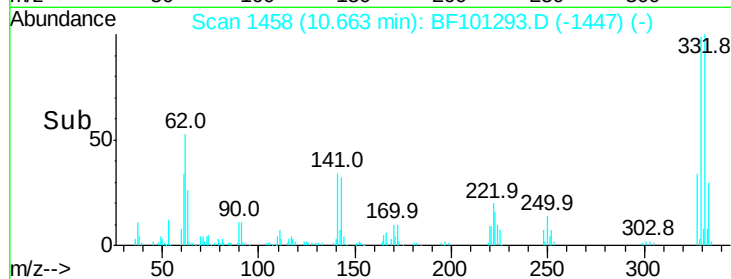
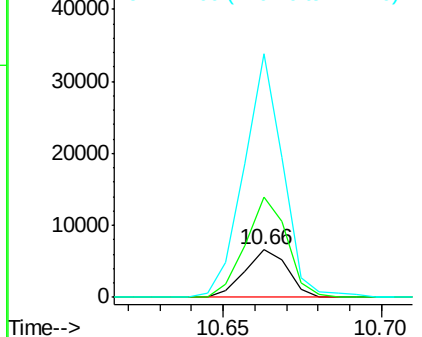
#66
 4-Bromophenyl-phenylether
 Concen: 3.413 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6134
 Ion Ratio Lower Upper
 248 100
 250 210.0 76.9 115.3#
 141 510.7 74.4 111.6#

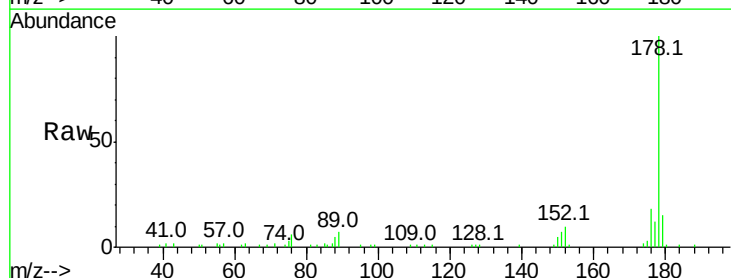


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

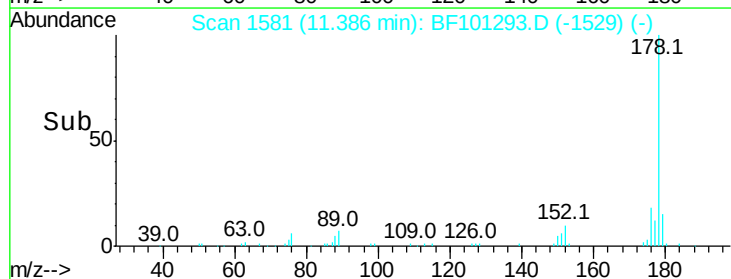
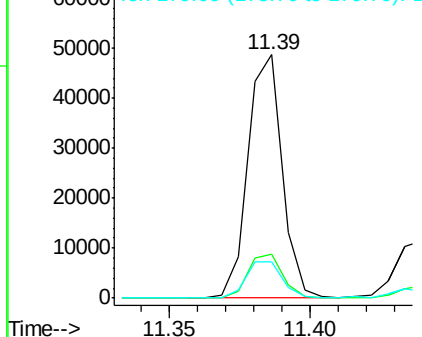


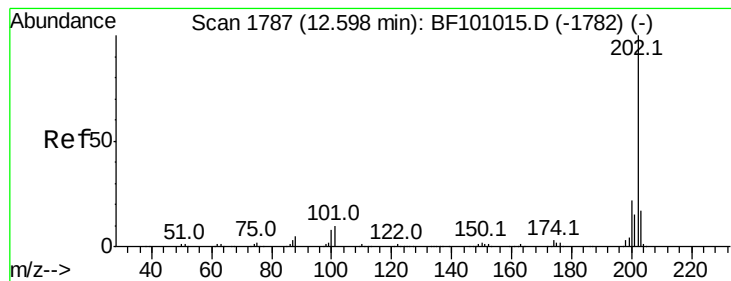
#70
 Phenanthrene
 Concen: 4.641 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Tgt Ion:178 Resp: 41034
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 14.7 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: 8.247 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampleId :

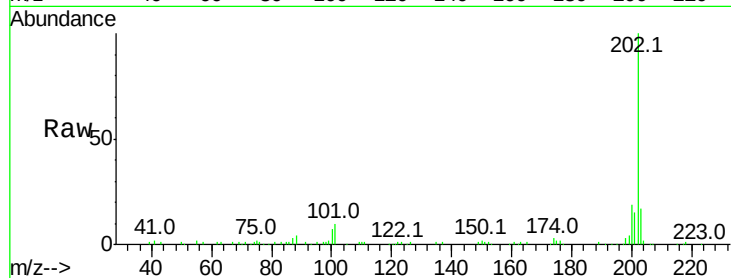
Tot Ion:202 Resp: 80826

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

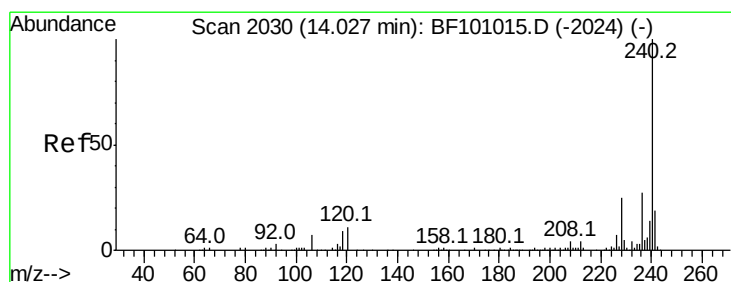
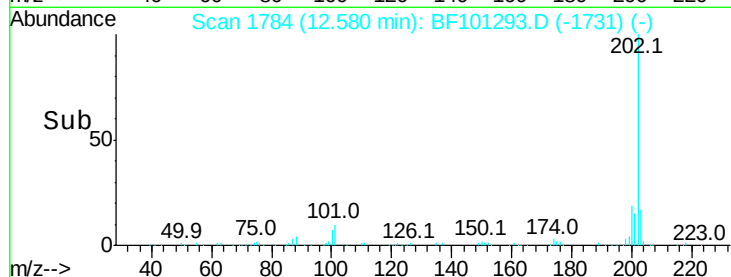
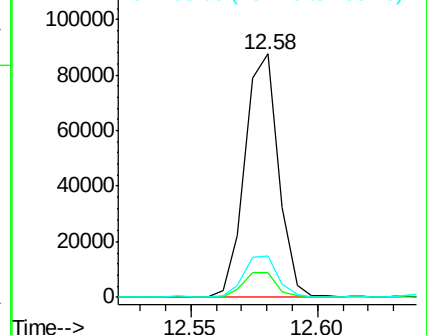
203 16.9 0.0 38.1



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: BF101293.D

Acq: 11 Dec 2017 16:56

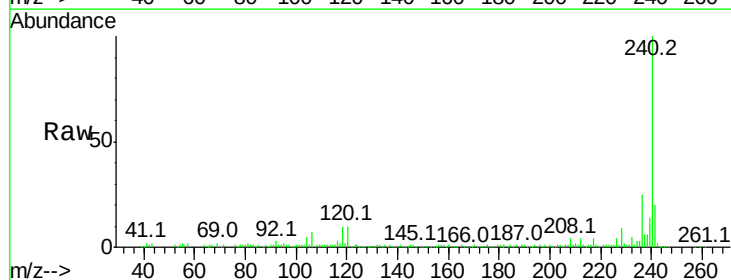
Tgt Ion:240 Resp: 107569

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

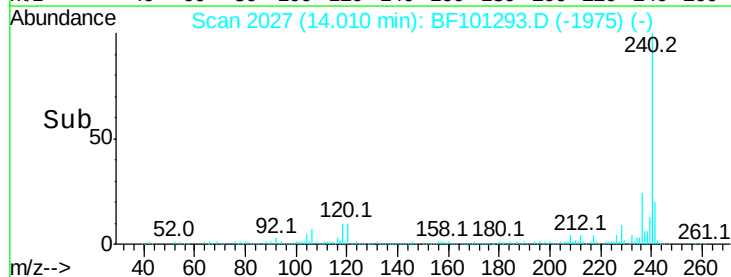
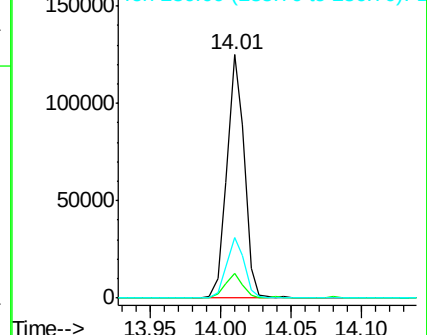
236 24.7 20.7 31.1

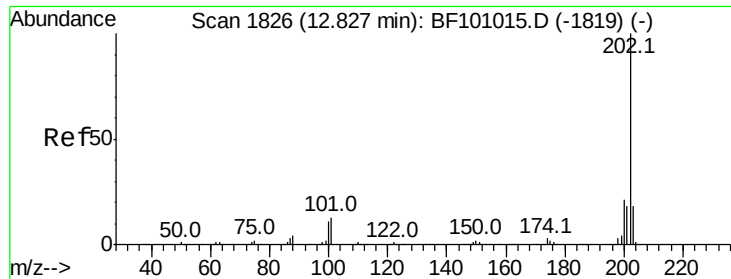


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

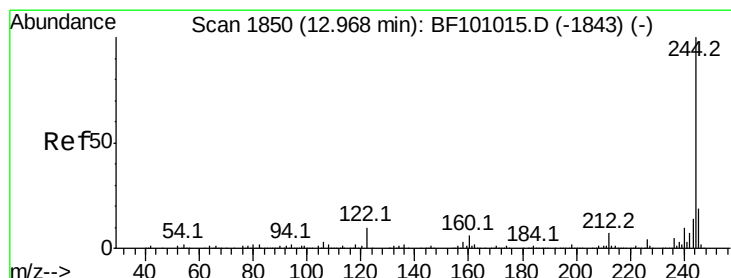
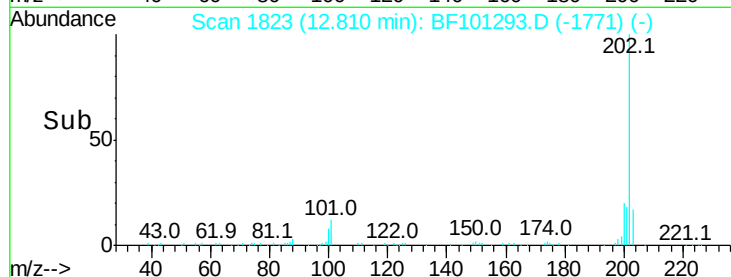
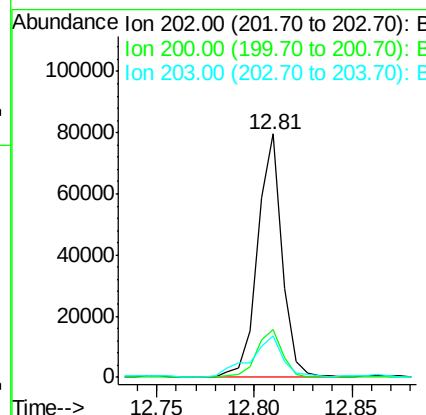
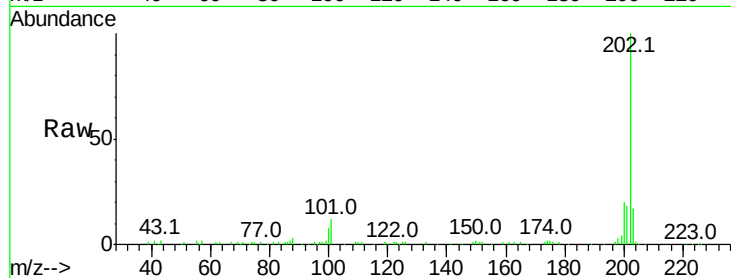




#77
Pvrene
Concen: 9.276 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

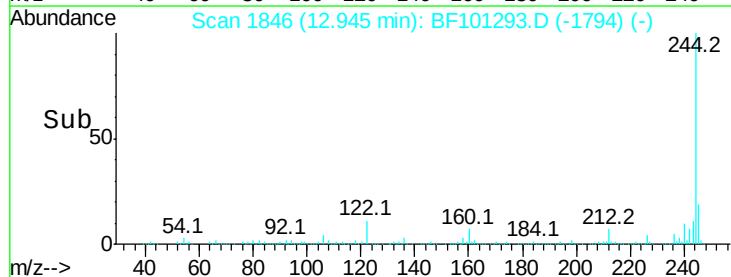
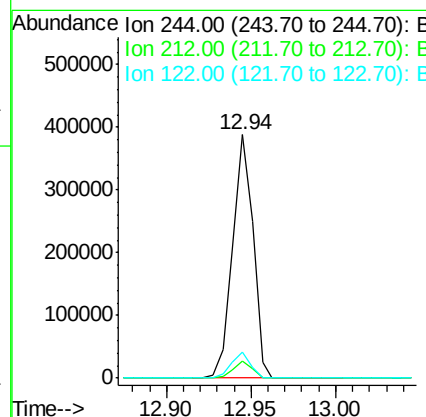
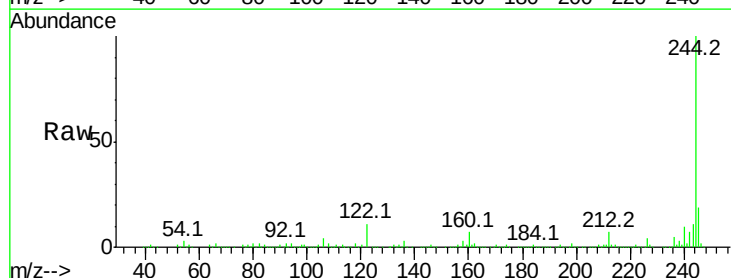
Instrument :
BNA_F
ClientSampleId :

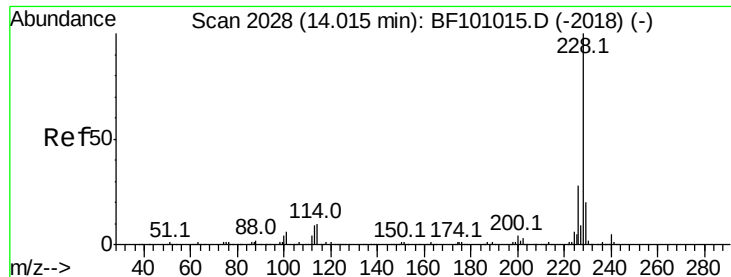
Tot Ion:202 Resp: 68851
Ion Ratio Lower Upper
202 100
200 19.5 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 65.999 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion:244 Resp: 324582
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 10.8 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 5.947 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampled :

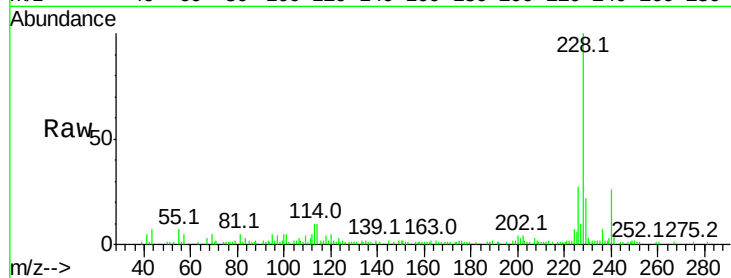
Tot Ion:228 Resp: 40392

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

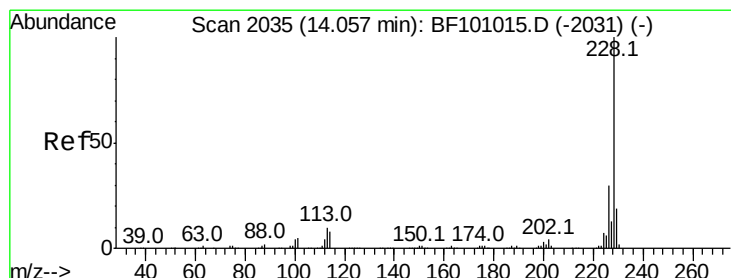
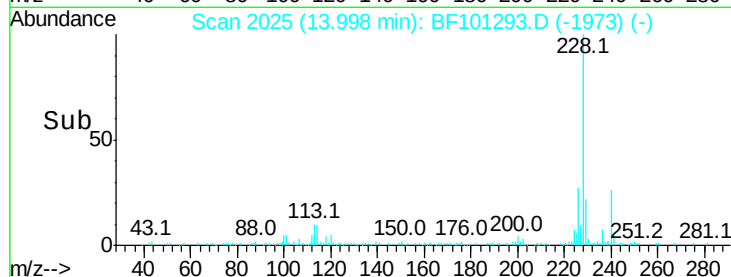
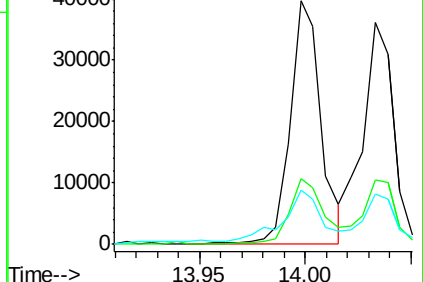
229 22.1 15.8 23.6



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: 5.899 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

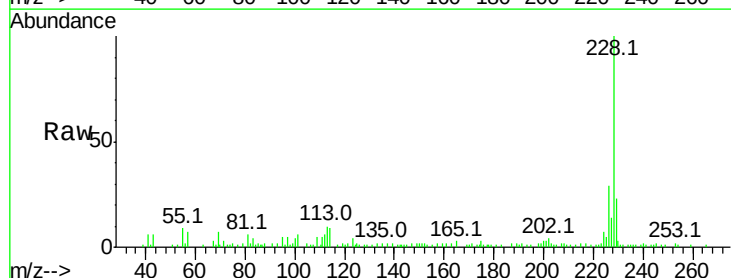
Tgt Ion:228 Resp: 37209

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

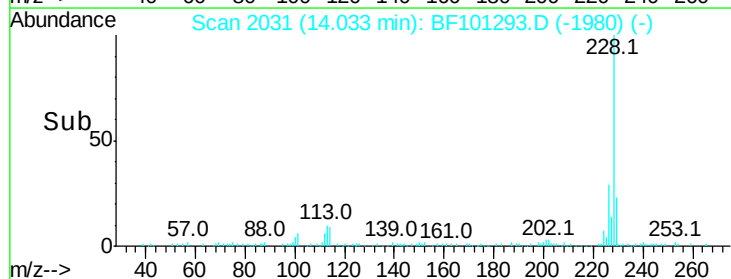
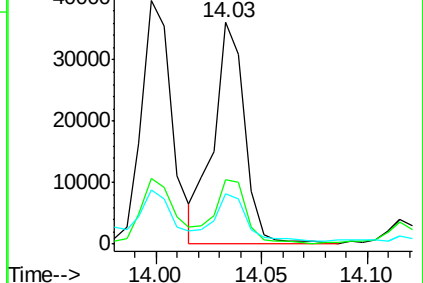
229 22.6 16.2 24.4

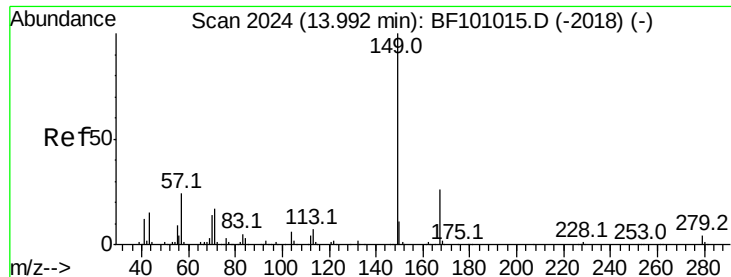


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.639 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

Instrument :

BNA_F

ClientSampleId :

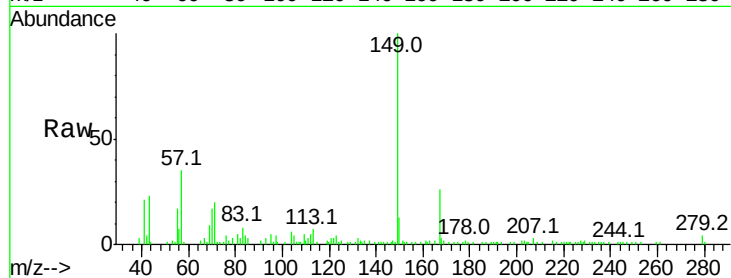
Tot Ion:149 Resp: 30979

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

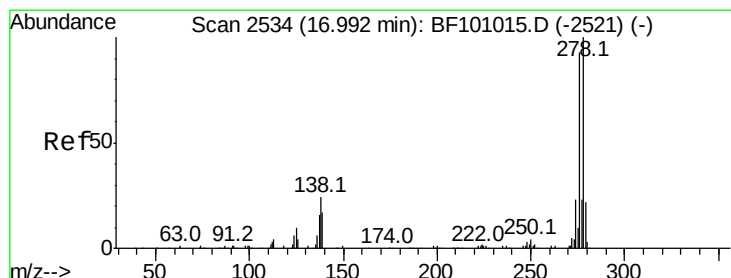
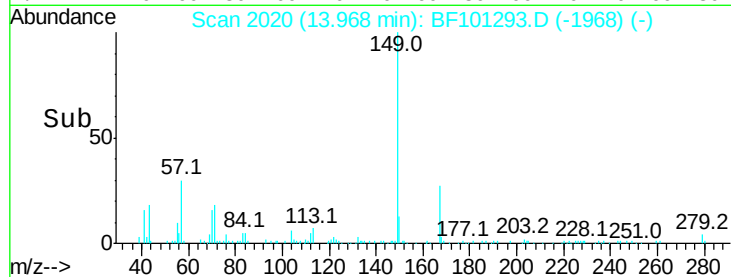
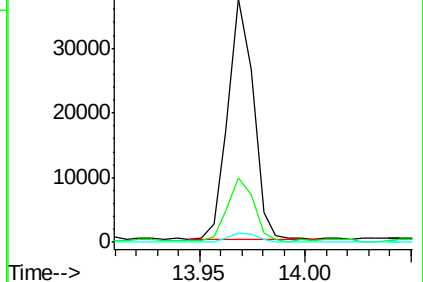
279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.718 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.04 min

Lab File: BF101293.D

Acq: 11 Dec 2017 16:56

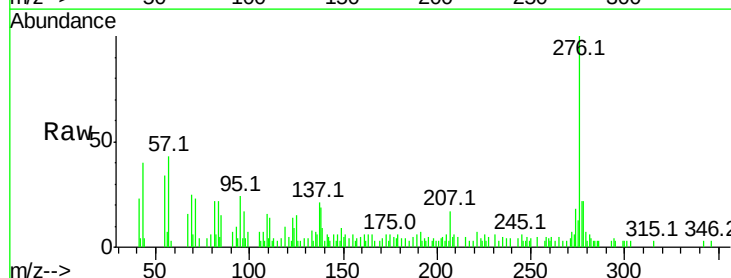
Tgt Ion:276 Resp: 20851

Ion Ratio Lower Upper

276 100

138 25.7 25.0 37.6

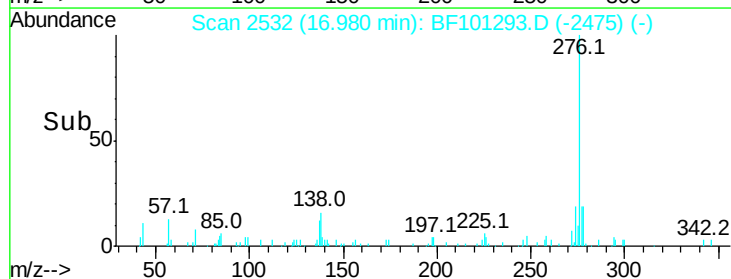
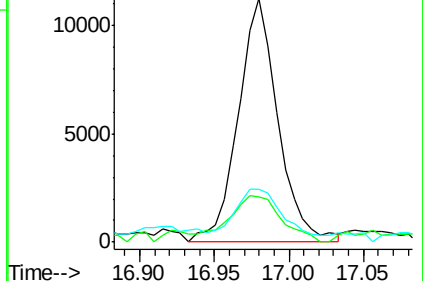
277 20.8 20.1 30.1

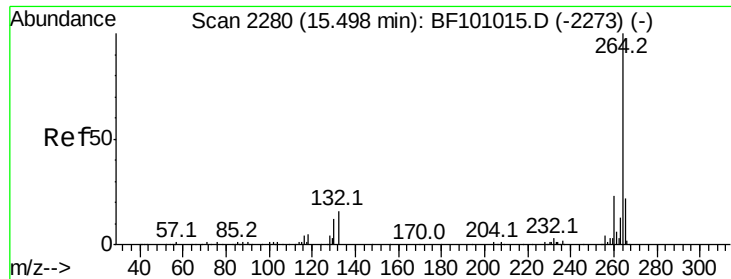


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

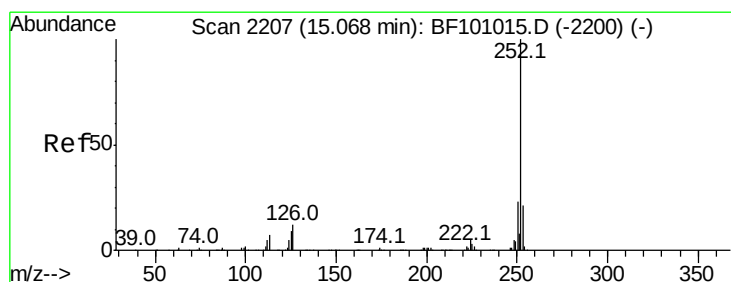
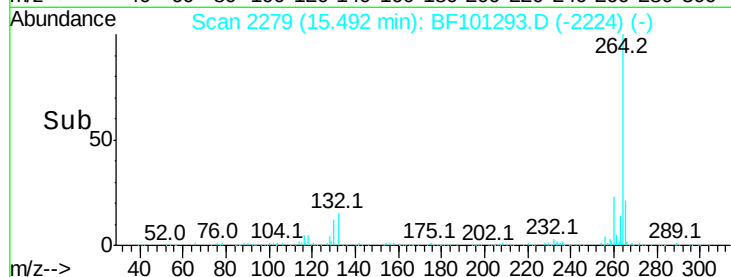
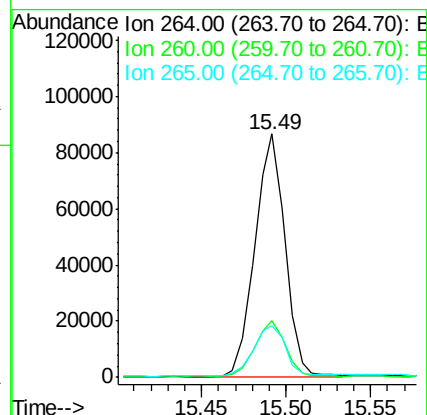
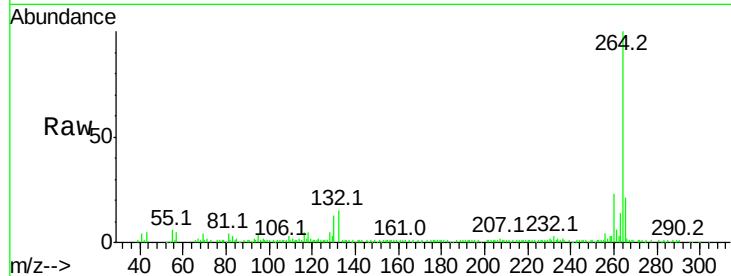




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

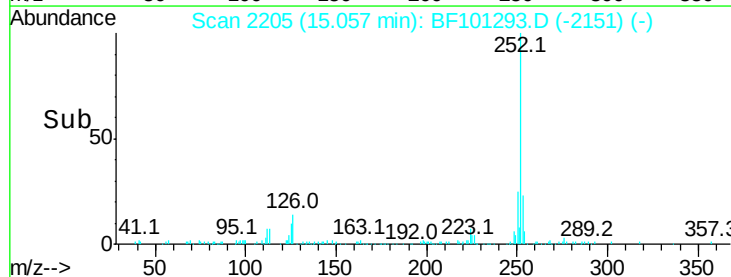
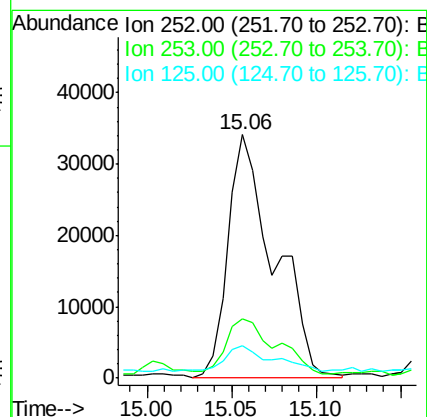
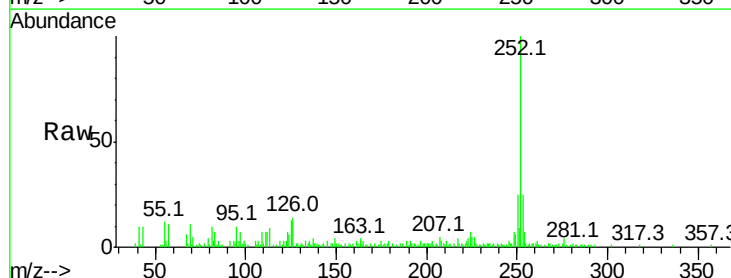
Instrument :
BNA_F
ClientSampleId :

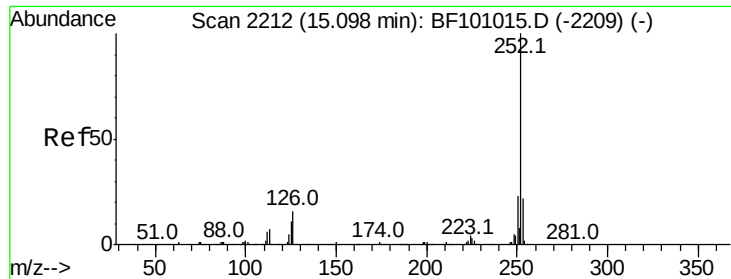
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.956 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	13.3	9.0	13.6

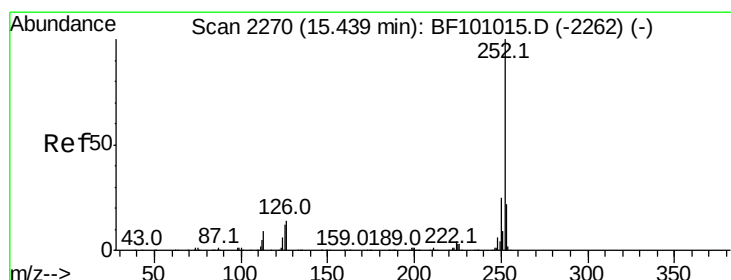
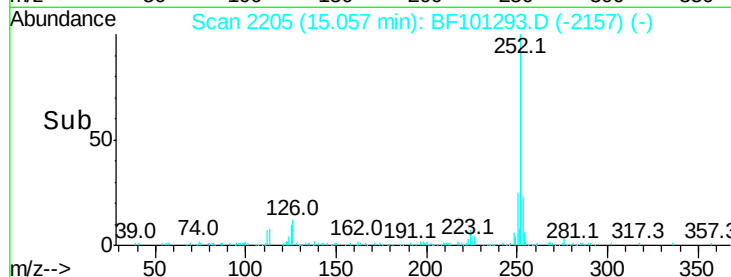
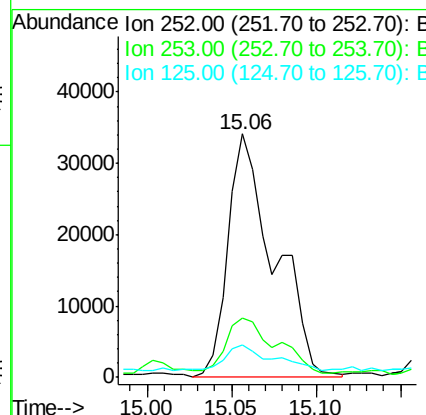
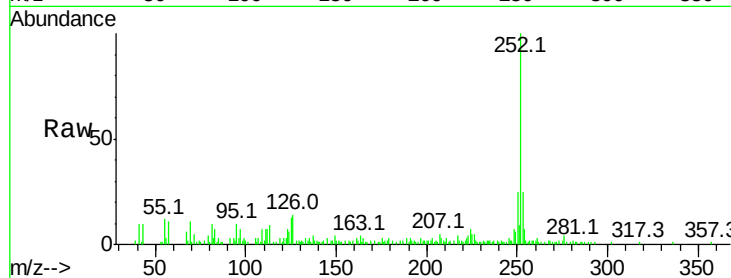




#88
Benzo(k)fluoranthene
Concen: 10.106 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

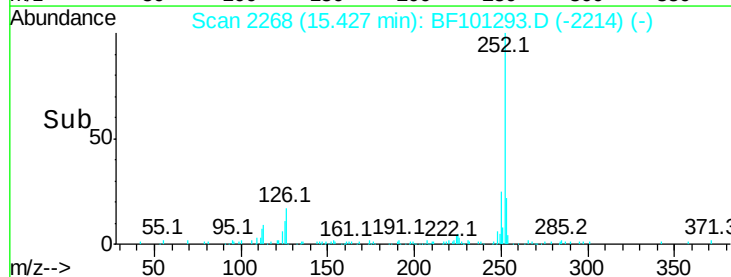
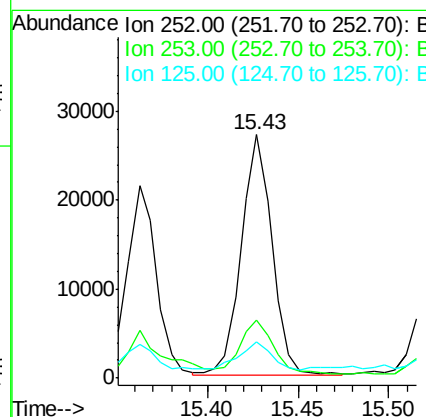
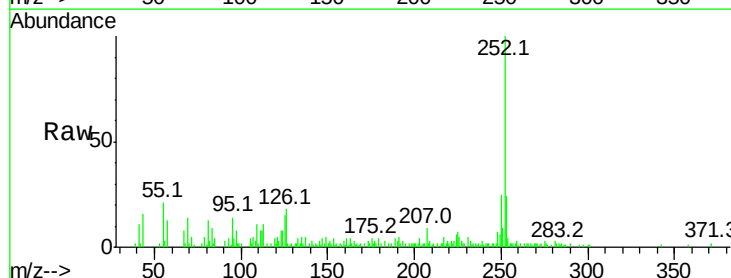
Instrument :
BNA_F
ClientSampleId :

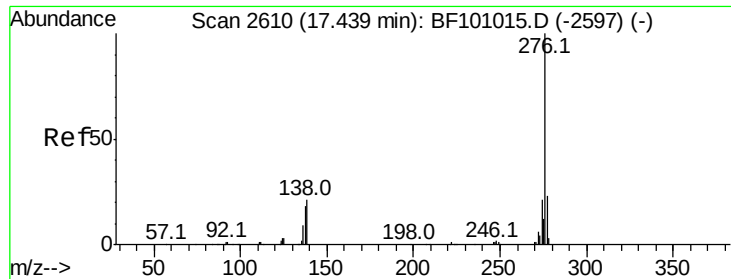
Tot Ion:252 Resp: 64914
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 13.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.350 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101293.D
Acq: 11 Dec 2017 16:56

Tgt Ion:252 Resp: 31713
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 14.7 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.029 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.04 min
 Lab File: BF101293.D
 Acq: 11 Dec 2017 16:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	27.8	21.8	32.8

