

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101270.D
 Acq On : 9 Dec 2017 8:24
 Operator : SJ/JU
 Sample : I6744-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:41:56 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	44401	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	161971	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	66265	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	109487	20.00	ng	0.00
75) Chrysene-d12	14.01	240	88357	20.00	ng	0.00
86) Perylene-d12	15.49	264	66099	20.00	ng	0.02

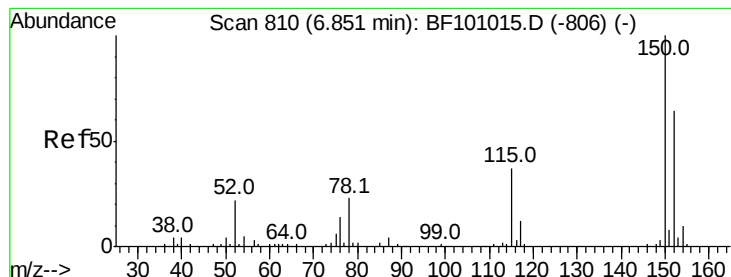
System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	255757	95.18	ng	0.00
7) Phenol-d6	6.47	99	321234	98.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	178727	65.82	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	55040	69.14	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	311866	64.39	ng	0.00
78) Terphenyl-d14	12.94	244	232311	57.51	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.47	94	11370	3.134	ng	# 69
19) n-Nitroso-di-n-propylamine	7.39	70	23570	10.728	ng	# 82
25) Isophorone	7.39	82	178725	38.536	ng	# 64
49) Dimethylphthalate	9.58	163	25084	4.694	ng	98
50) 2,6-Dinitrotoluene	9.86	165	8595	7.636	ng	# 24
66) 4-Bromophenyl-phenylether	10.66	248	3308	2.699	ng	# 1
70) Phenanthrene	11.38	178	78710	13.054	ng	97
71) Anthracene	11.43	178	28707	4.704	ng	98
74) Fluoranthene	12.57	202	167459	25.056	ng	96
77) Pyrene	12.81	202	183693	30.129	ng	99
80) Benzo(a)anthracene	14.00	228	92175	16.523	ng	99
82) Chrysene	14.03	228	77018	14.865	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	28179	6.118	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	103999	26.268	ng	93
88) Benzo(k)fluoranthene	15.05	252	103999	26.662	ng	96
89) Benzo(a)pyrene	15.42	252	53439	14.847	ng	98
90) Dibenzo(a,h)anthracene	17.14	278	7092	2.235	ng	94
91) Benzo(g,h,i)perylene	17.42	276	28489	9.527	ng	# 87

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

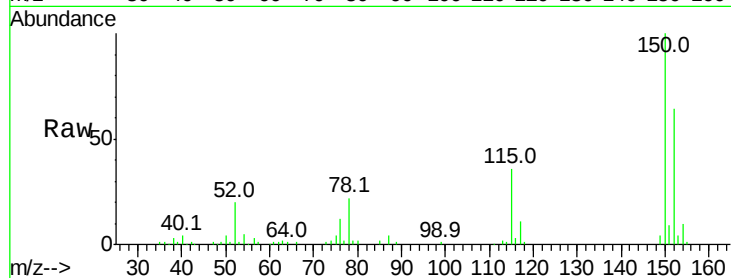


#1

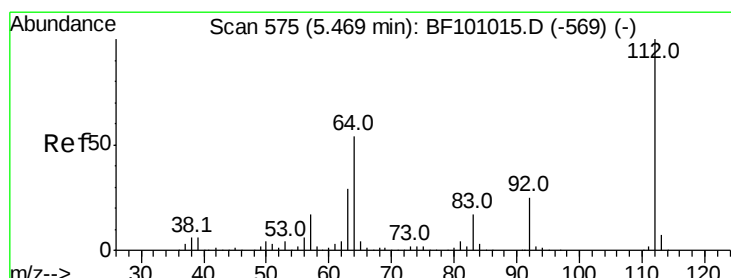
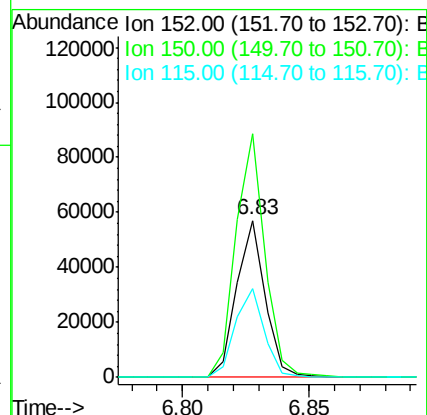
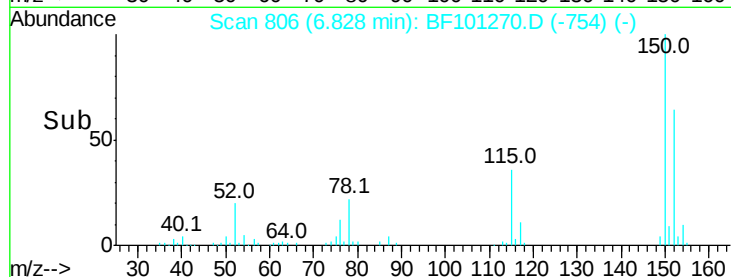
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 44401
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 56.2 50.1 75.1



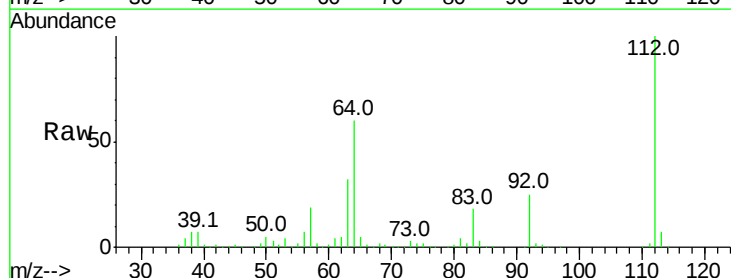
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



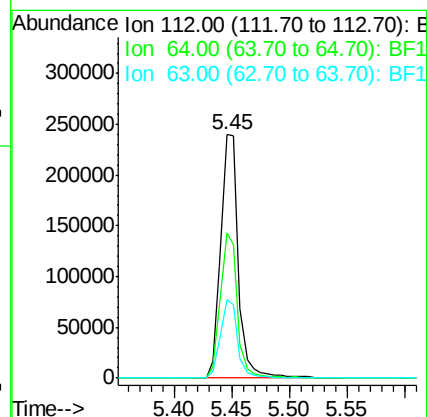
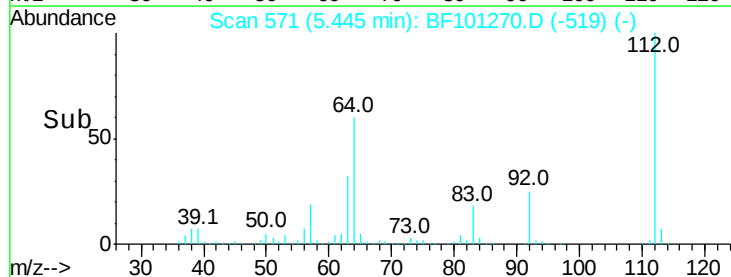
#5

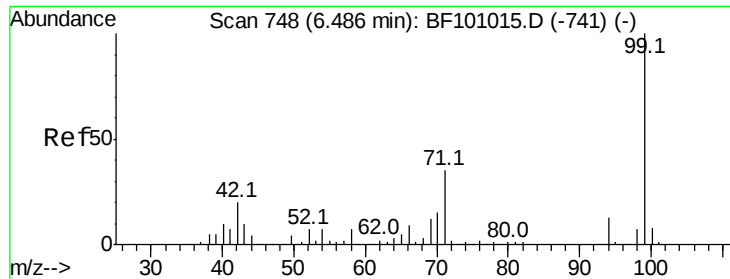
2-Fluorophenol
Concen: 95.183 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:112 Resp: 255757
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 32.0 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: 98.470 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

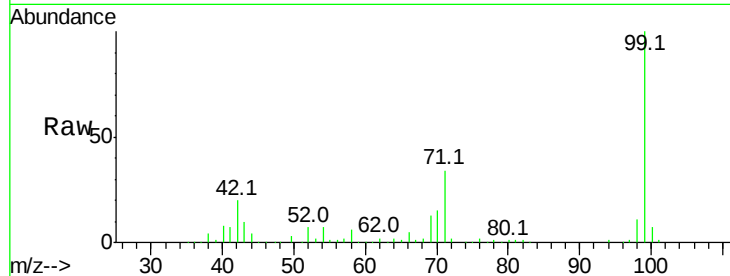
Tot Ion: 99 Resp: 321234

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	33.9	25.4	38.0

99 100

42 19.6 14.5 21.7

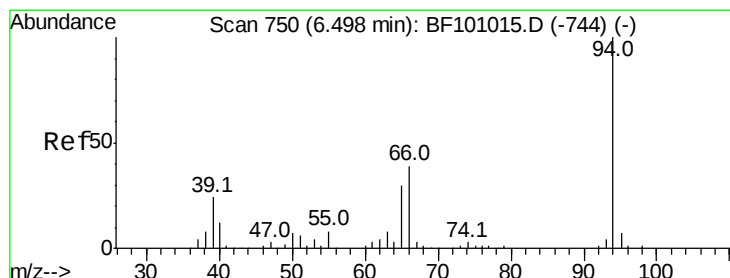
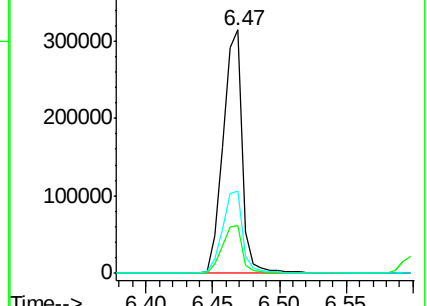
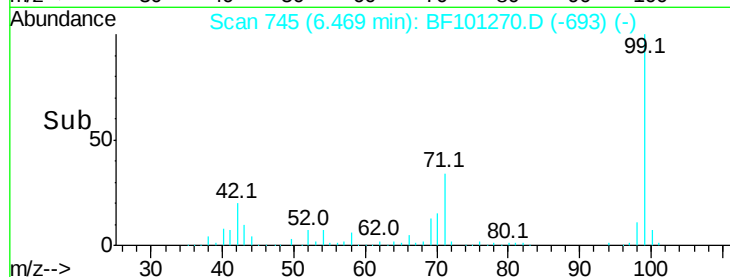
71 33.9 25.4 38.0



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



#10

Phenol

Concen: 3.134 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

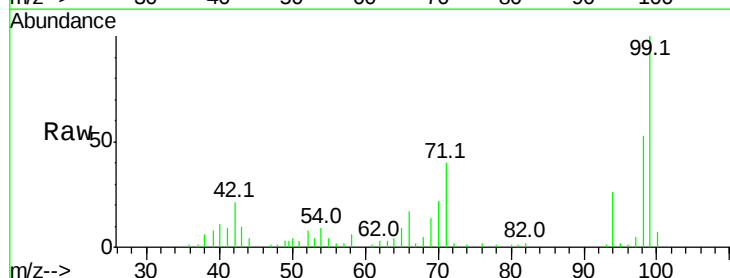
Tgt Ion: 94 Resp: 11370

Ion	Ratio	Lower	Upper
94	100		
65	34.1	7.9	47.9
66	63.1	16.2	56.2

94 100

65 34.1 7.9 47.9

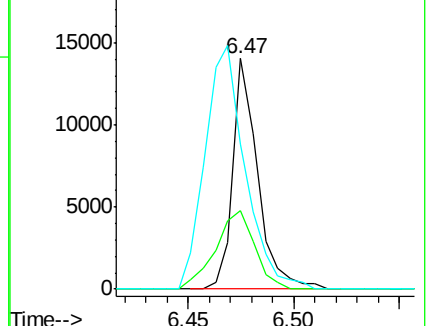
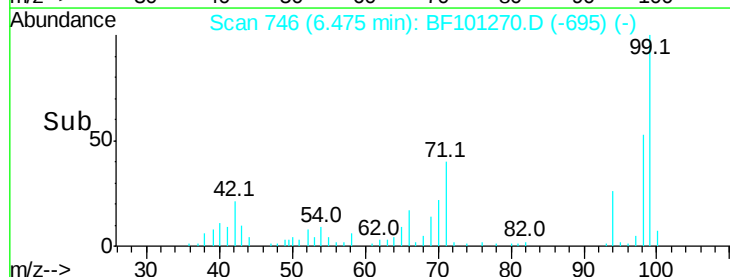
66 63.1 16.2 56.2

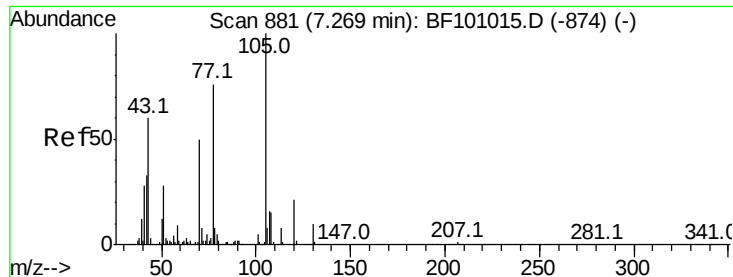


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.728 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

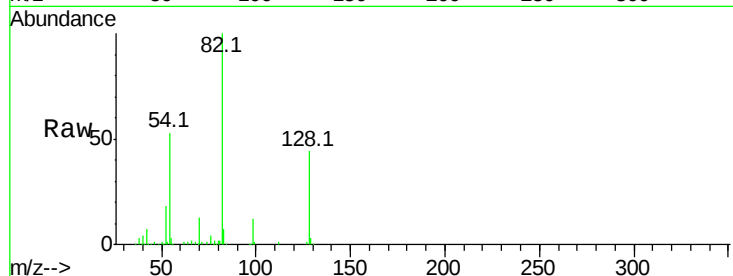
Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 70 Resp: 23570

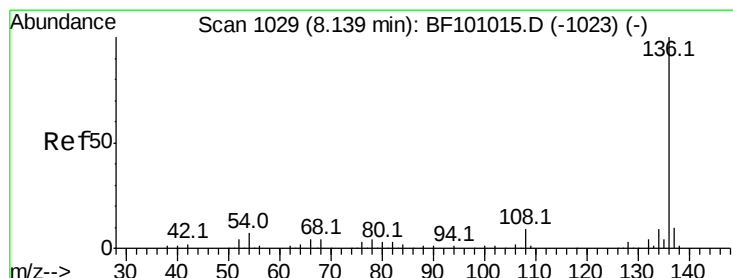
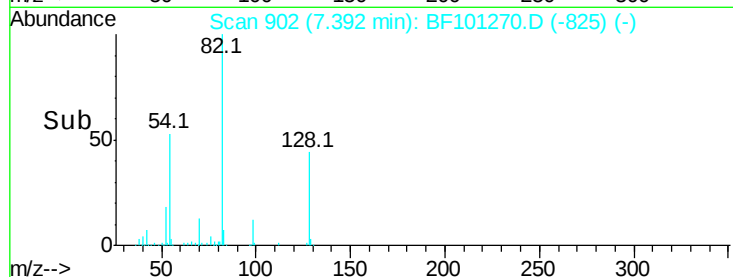
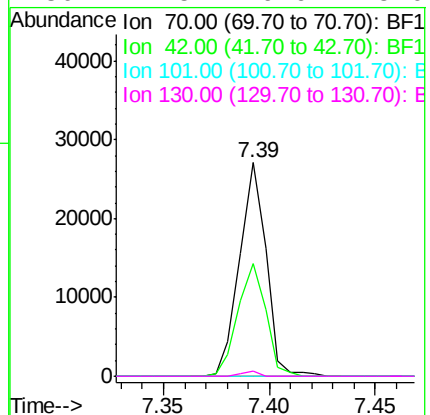
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 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: BF101270.D

Acq: 9 Dec 2017 8:24

Tgt Ion:136 Resp: 161971

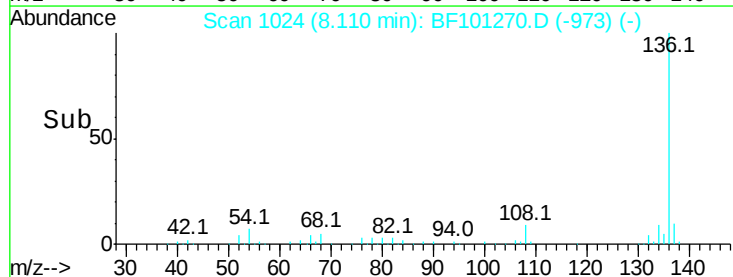
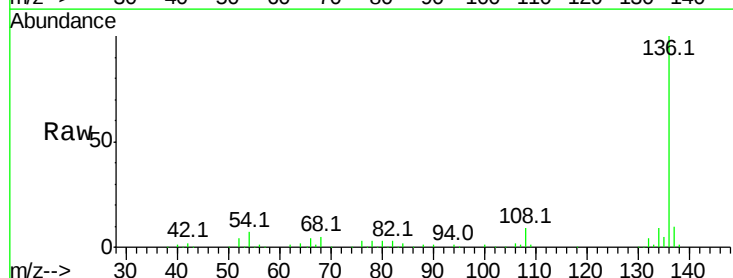
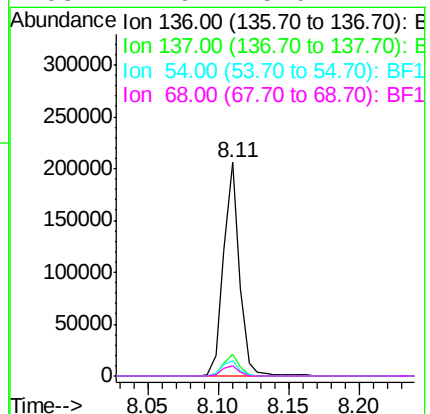
Ion Ratio Lower Upper

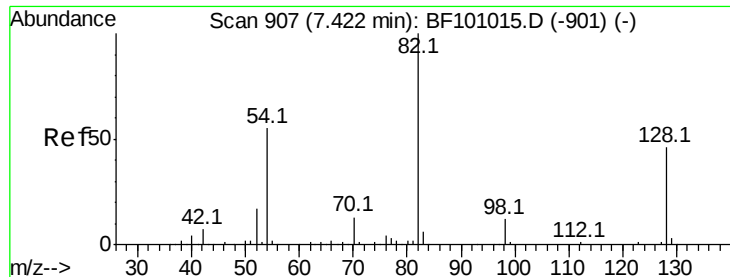
136 100

137 10.3 8.9 13.3

54 7.2 6.6 9.8

68 4.6 5.0 7.4#

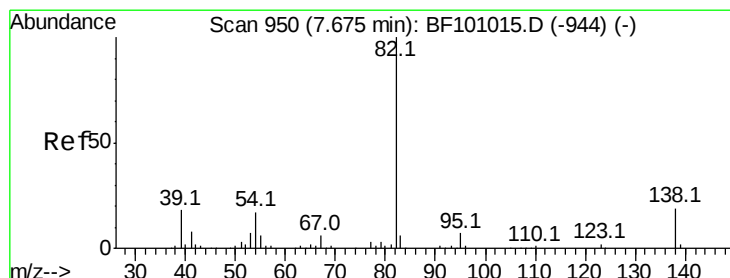
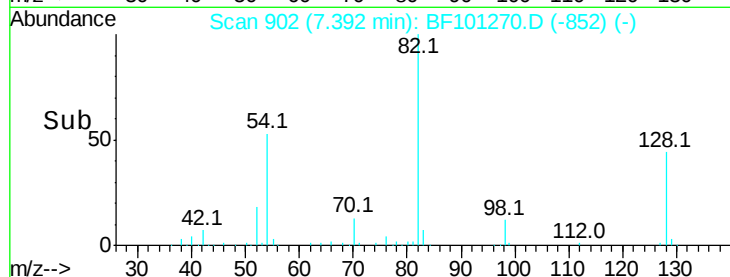
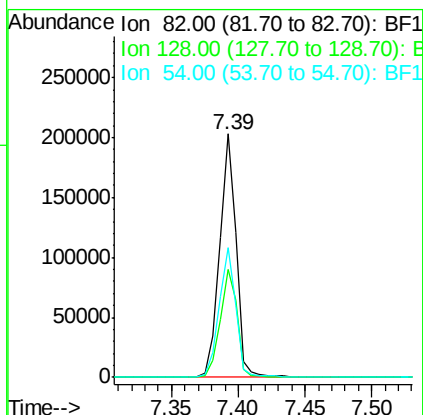
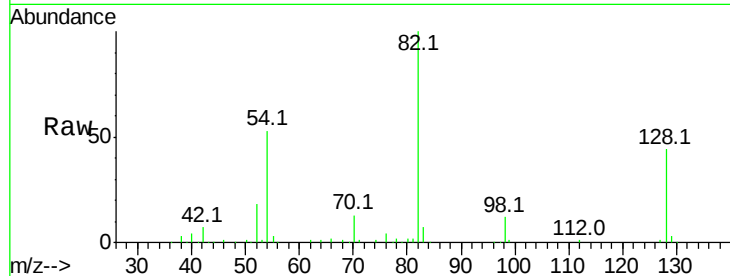




#23
Nitrobenzene-d5
Concen: 65.824 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

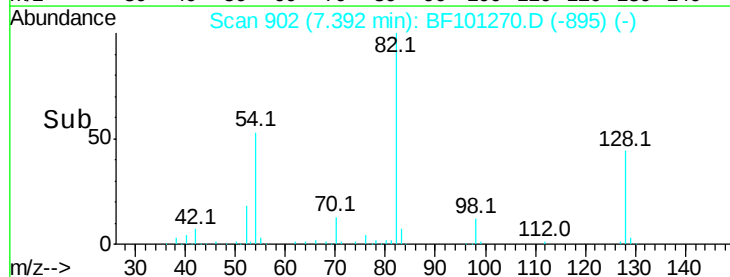
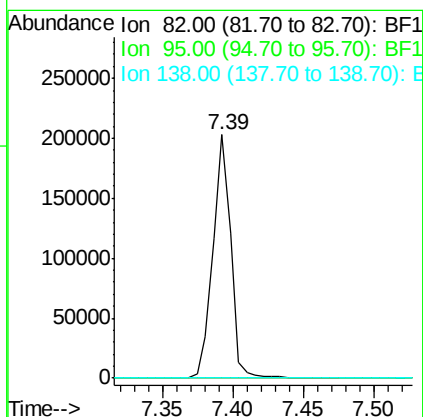
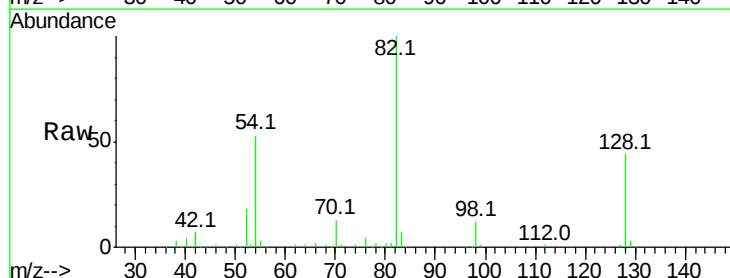
Instrument :
BNA_F
ClientSampled :

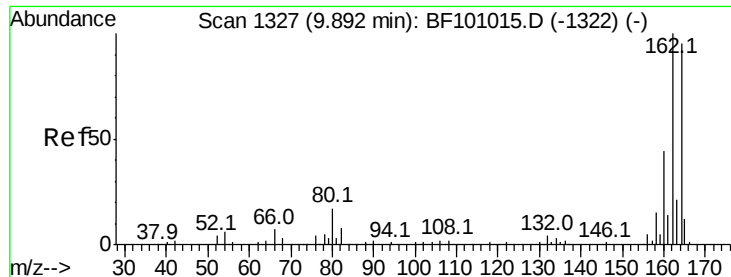
Tot Ion: 82 Resp: 178727
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 53.1 41.4 62.2



#25
Isophorone
Concen: 38.536 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion: 82 Resp: 178725
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

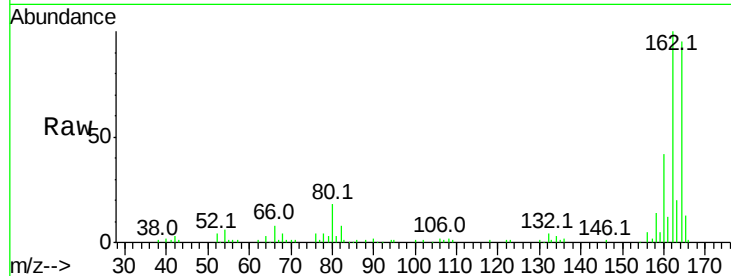




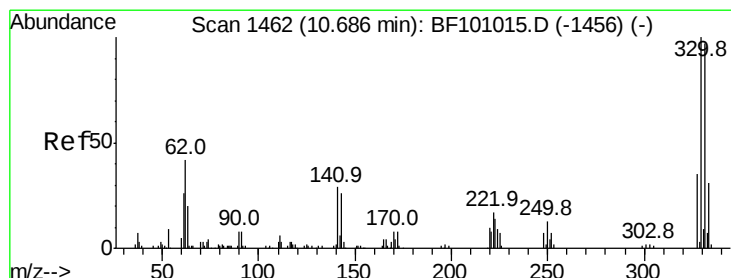
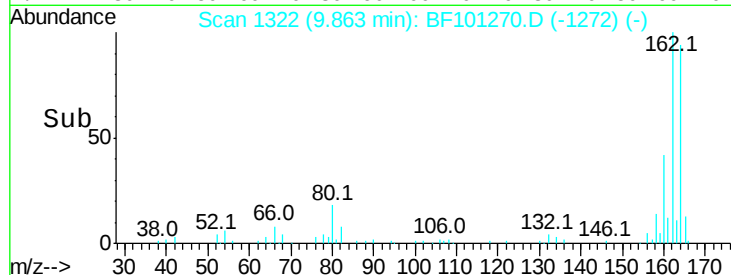
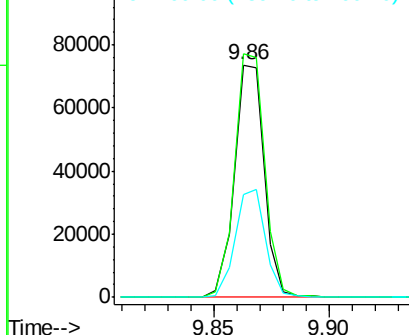
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 66265
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 44.4 38.3 57.5

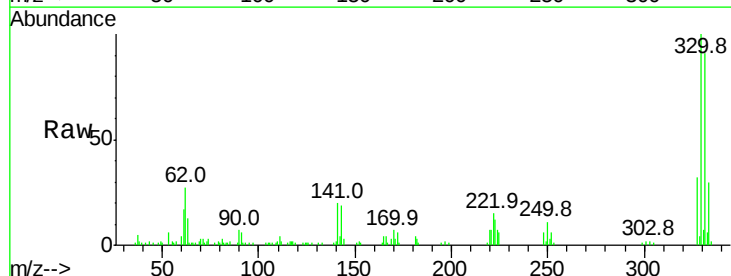


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

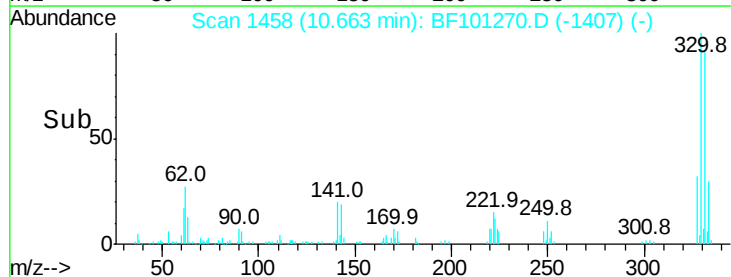
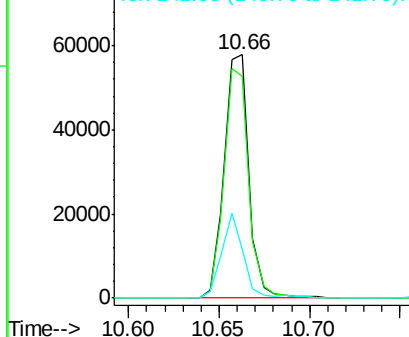


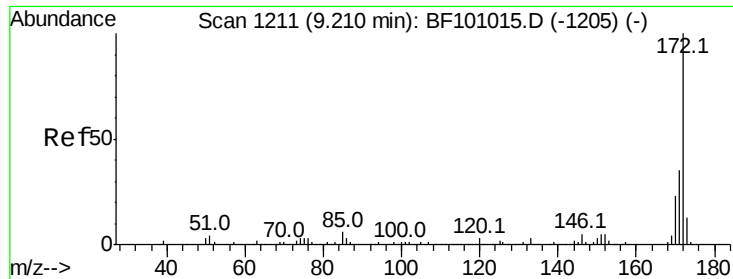
#41
2,4,6-Tribromophenol
Concen: 69.143 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:330 Resp: 55040
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 31.0 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

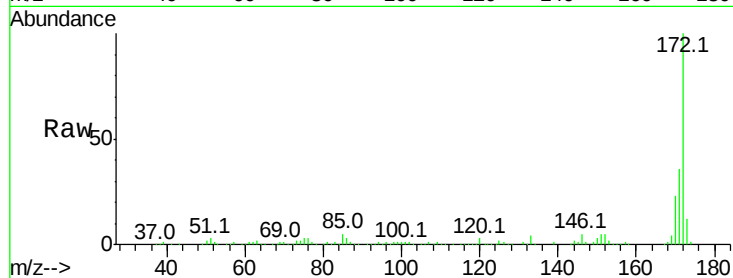




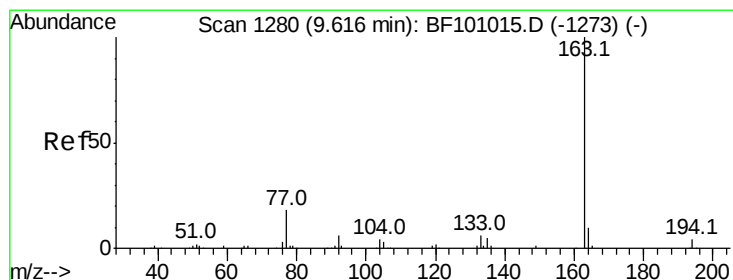
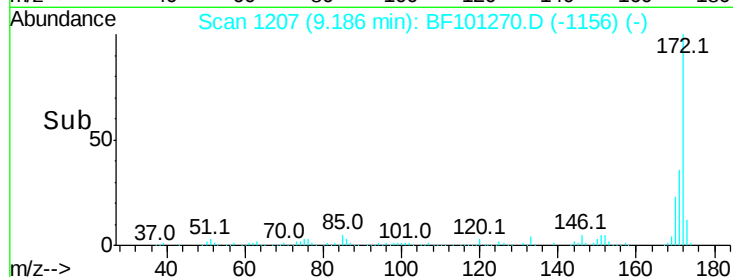
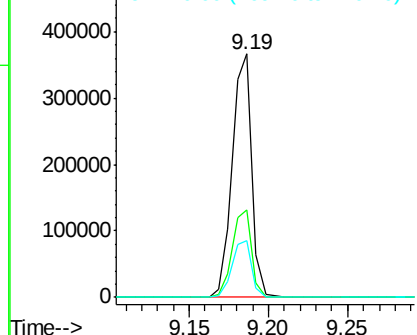
#44
2-Fluorobiphenyl
Concen: 64.392 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 311866
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.4 19.6 29.4

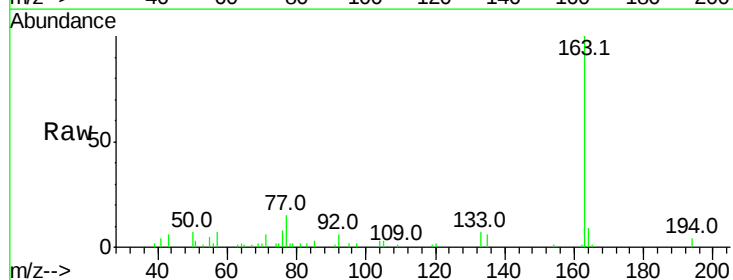


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

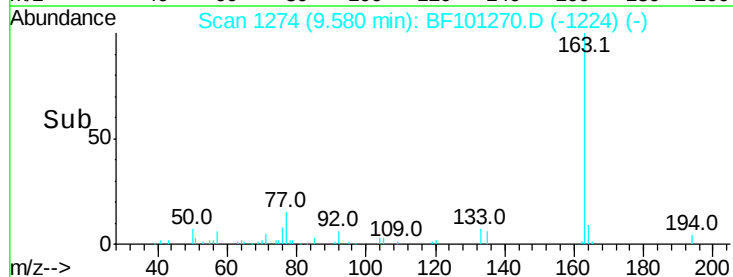
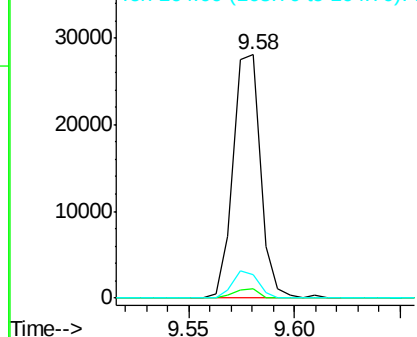


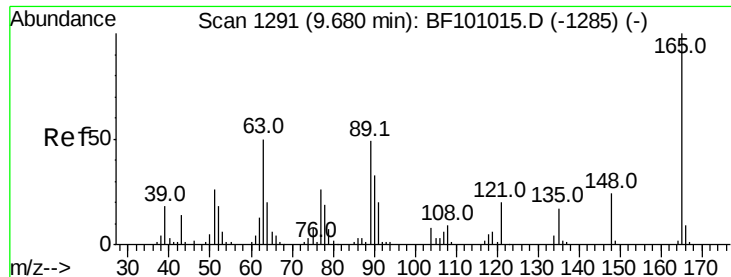
#49
Dimethylphthalate
Concen: 4.694 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:163 Resp: 25084
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

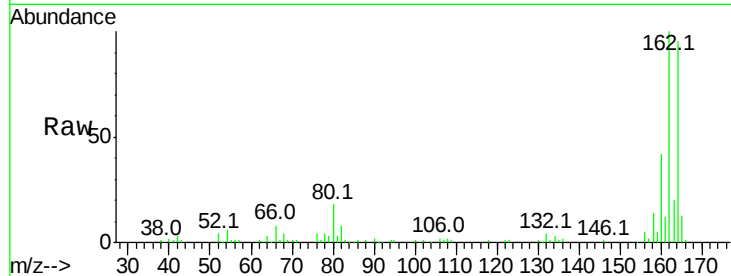




#50
 2,6-Dinitrotoluene
 Concen: 7.636 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Instrument :
 BNA_F
 ClientSampled :

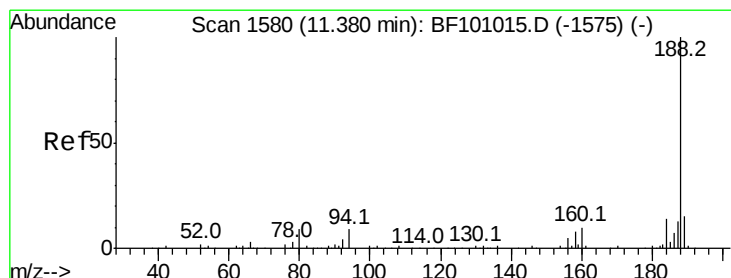
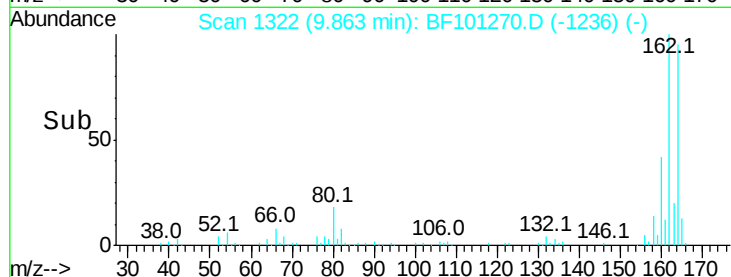
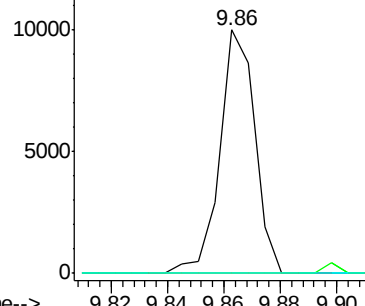
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

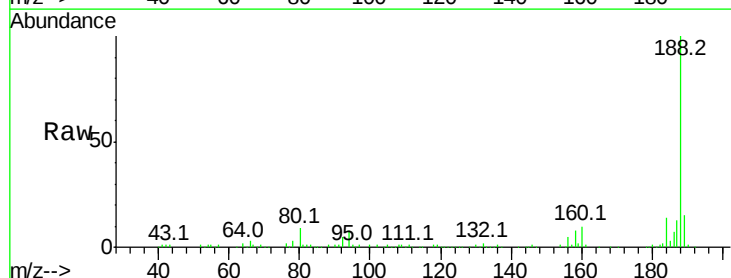
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

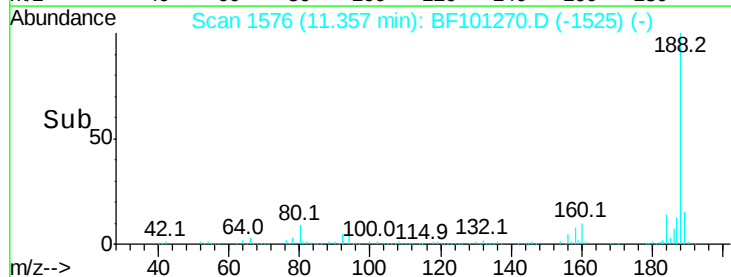
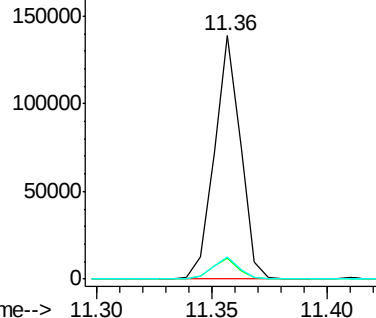
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.0	9.2	13.8#

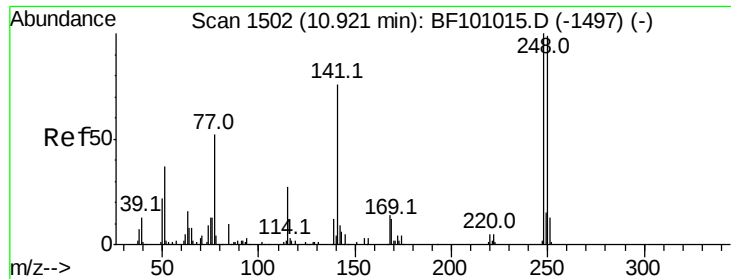


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

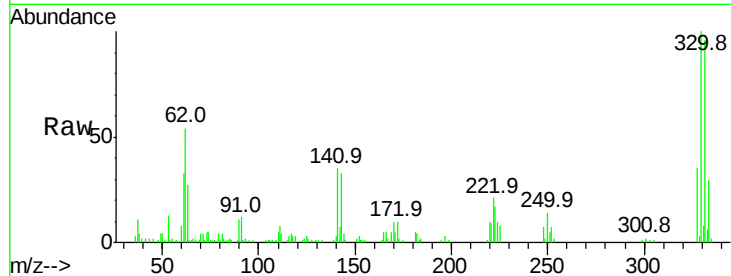




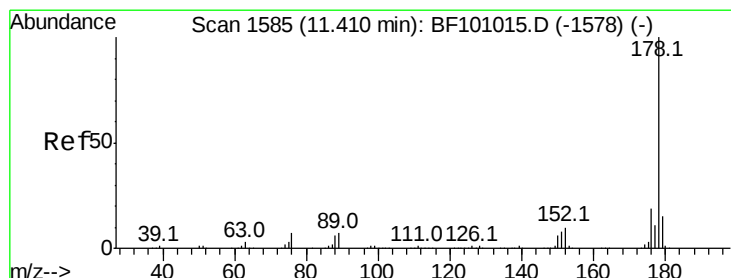
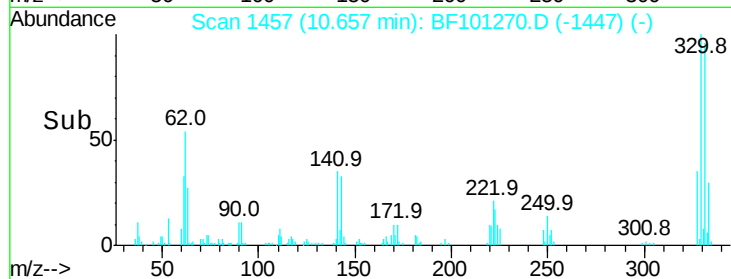
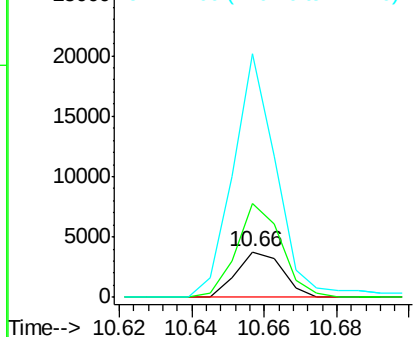
#66
4-Bromophenyl-phenylether
Concen: 2.699 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3308
Ion Ratio Lower Upper
248 100
250 207.3 76.9 115.3#
141 538.3 74.4 111.6#

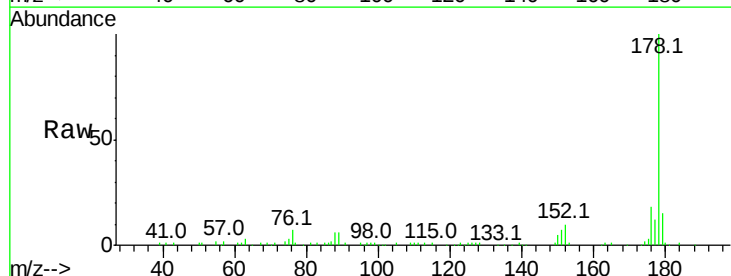


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

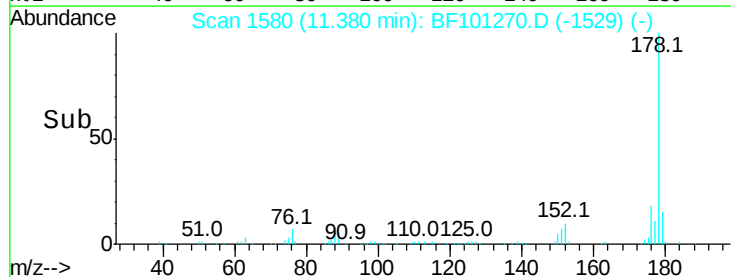
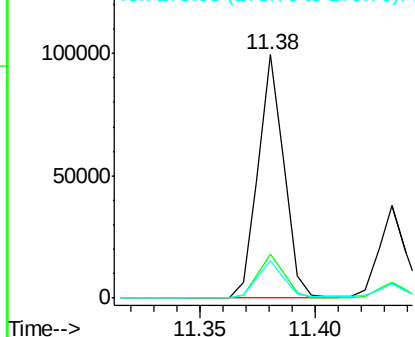


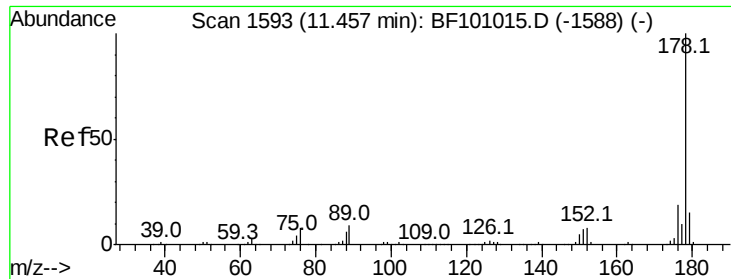
#70
Phenanthrene
Concen: 13.054 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:178 Resp: 78710
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.3 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

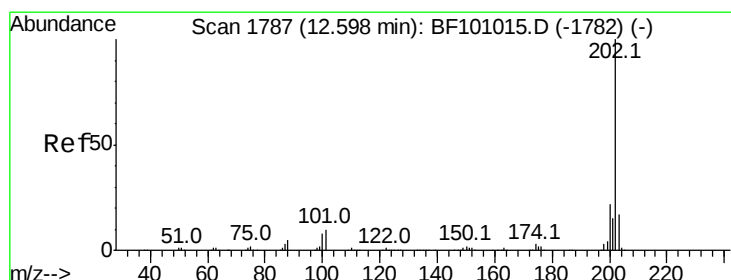
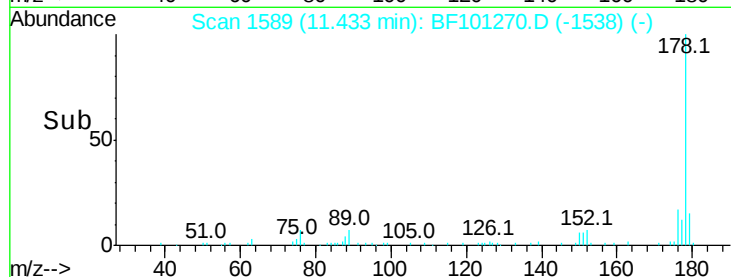
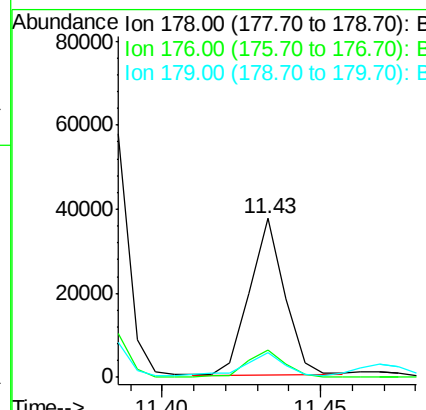
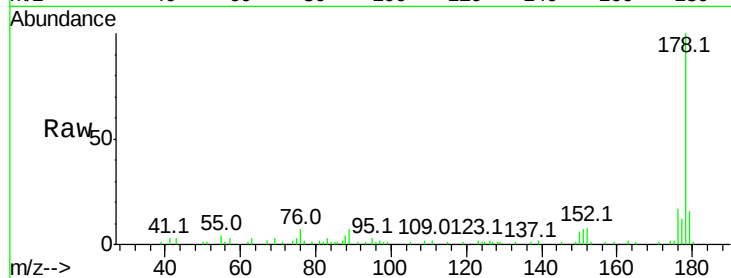




#71
 Anthracene
 Concen: 4.704 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

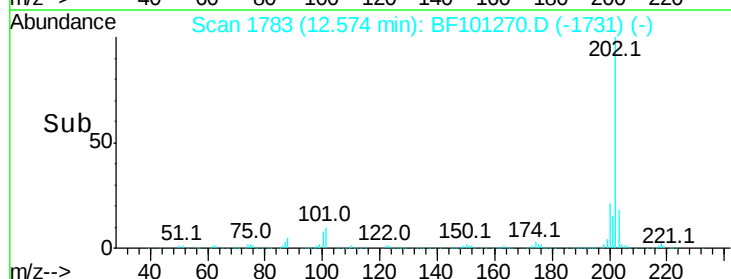
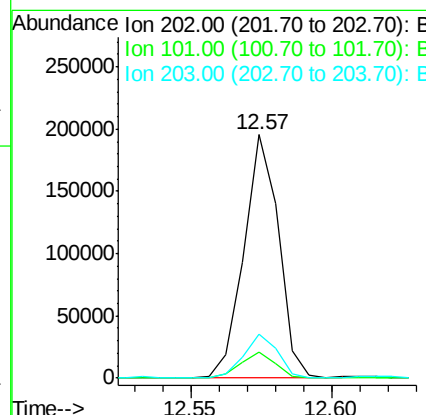
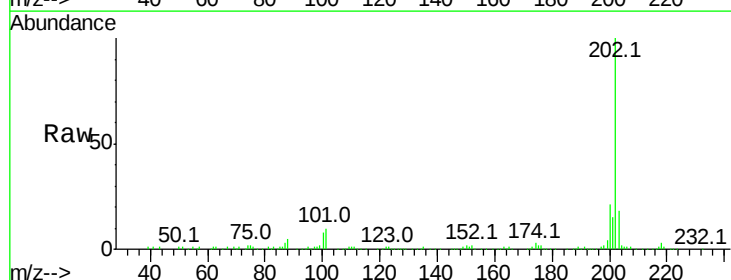
Instrument :
 BNA_F
 ClientSampleId :

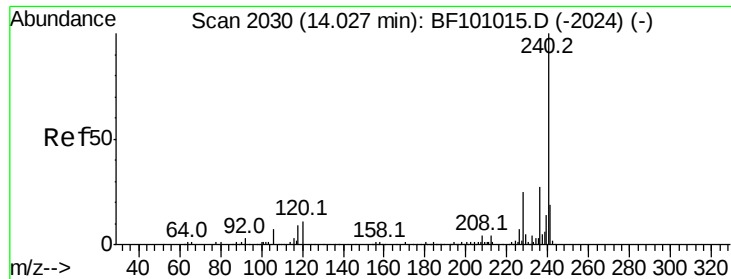
Tot Ion:178 Resp: 28707
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.2
 179 15.7 12.6 19.0



#74
 Fluoranthene
 Concen: 25.056 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Tgt Ion:202 Resp: 167459
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 34.1
 203 18.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

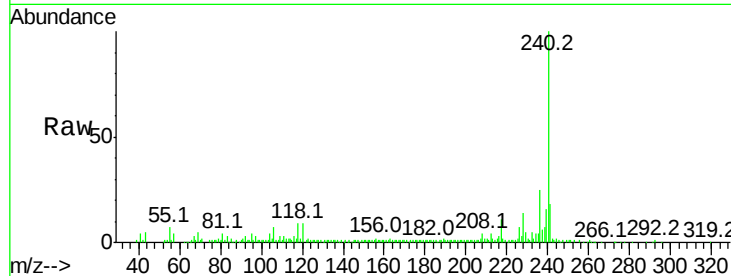
Tot Ion:240 Resp: 88357

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

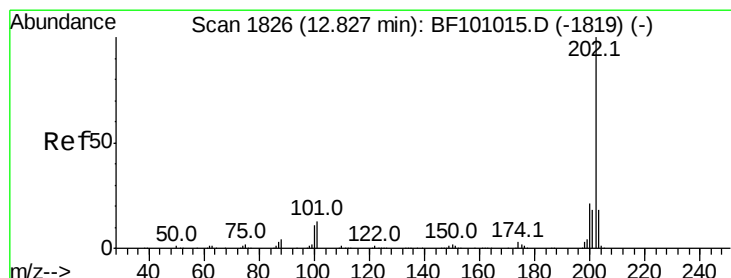
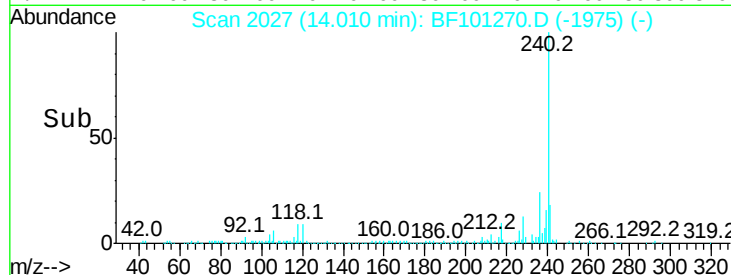
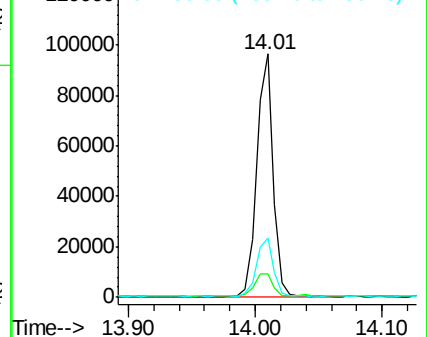
236 24.5 20.7 31.1



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: 30.129 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

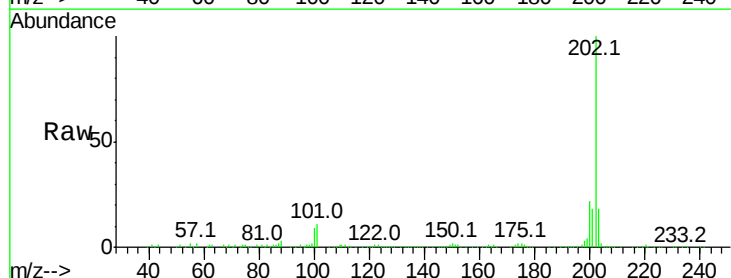
Tgt Ion:202 Resp: 183693

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

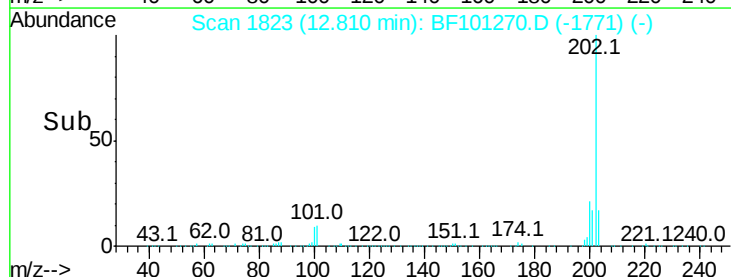
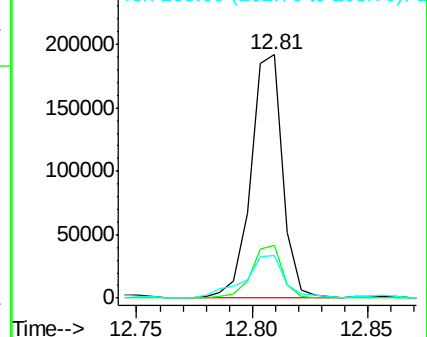
203 17.6 14.3 21.5

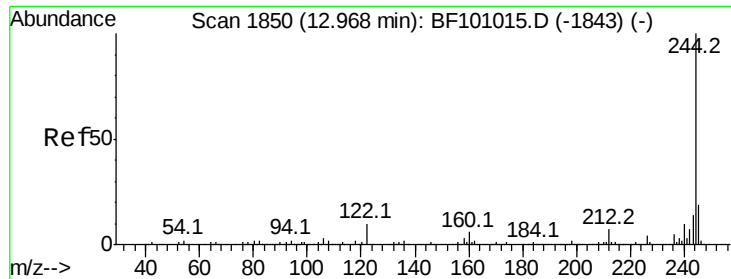


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

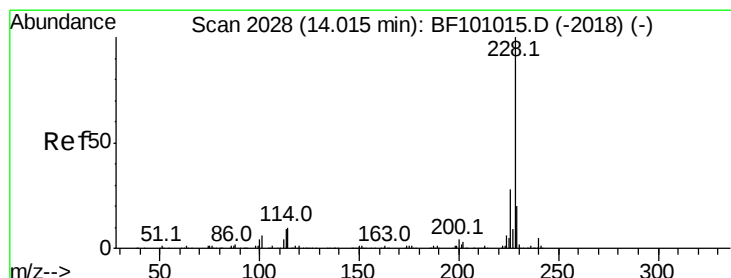
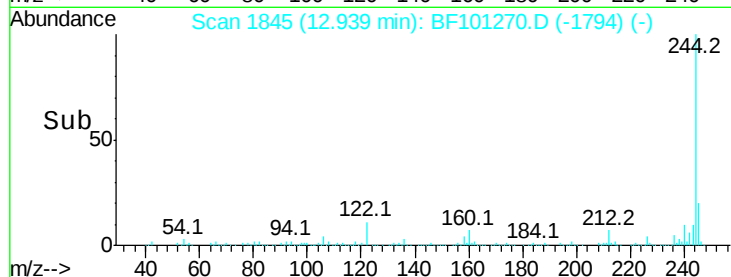
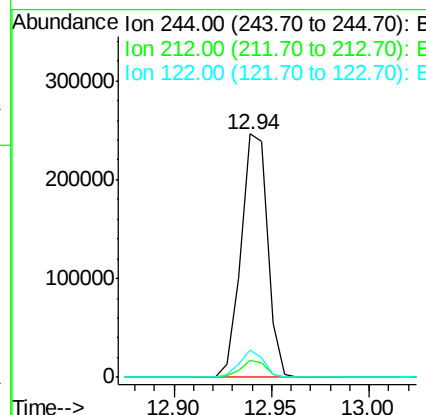
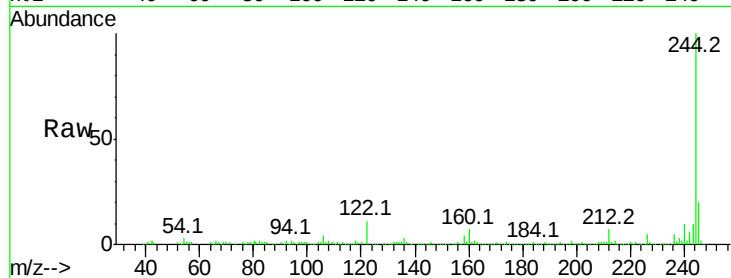




#78
 Terphenyl-d14
 Concen: 57.508 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

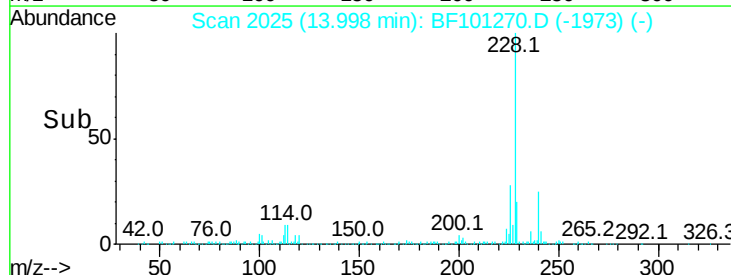
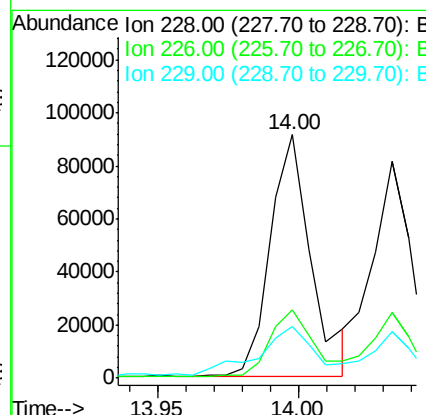
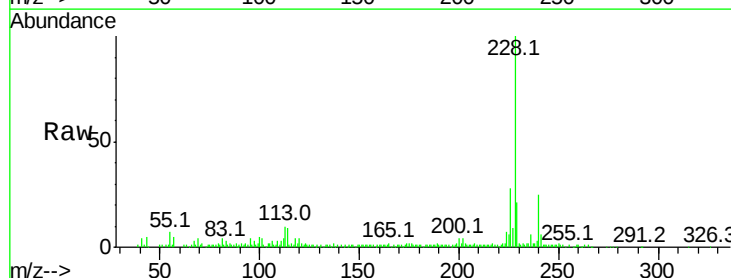
Instrument :
 BNA_F
 ClientSampleId :

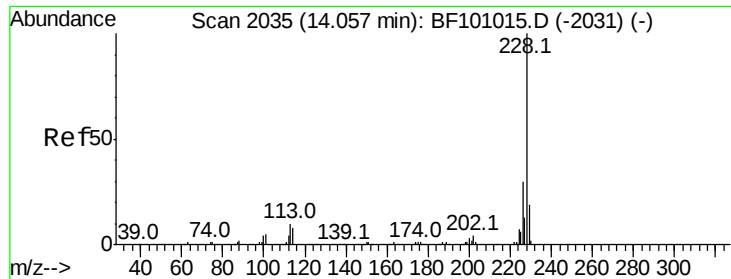
Tot Ion:244 Resp: 232311
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 16.523 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Tgt Ion:228 Resp: 92175
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 21.1 15.8 23.6





#82

Chrysene

Concen: 14.865 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

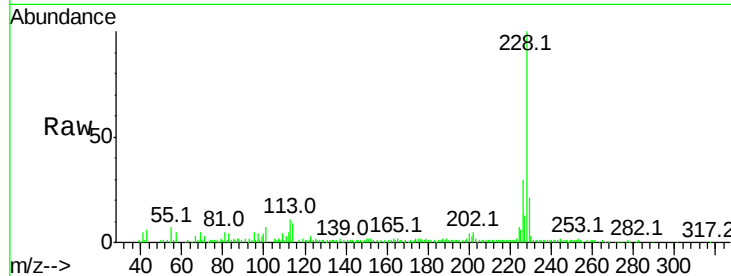
Tot Ion:228 Resp: 77018

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

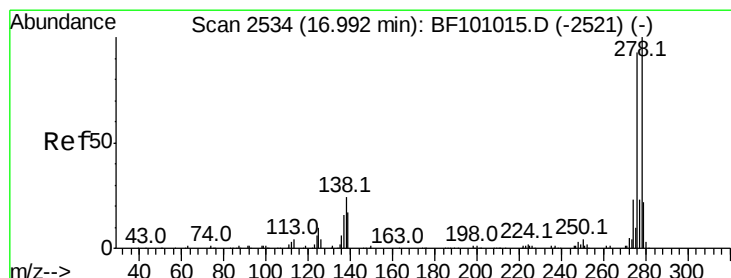
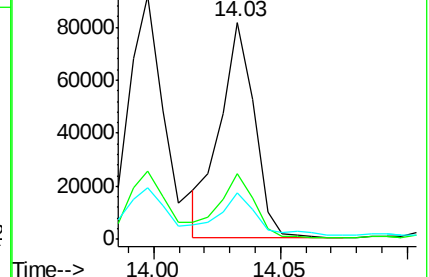
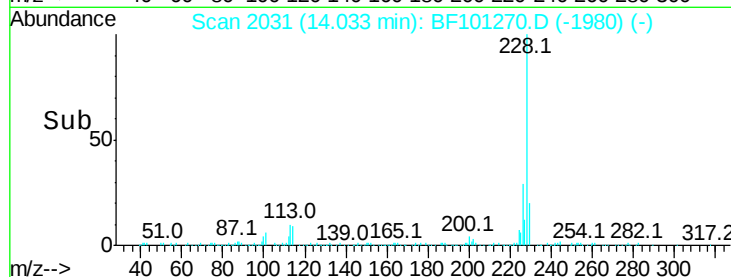
229 21.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.118 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

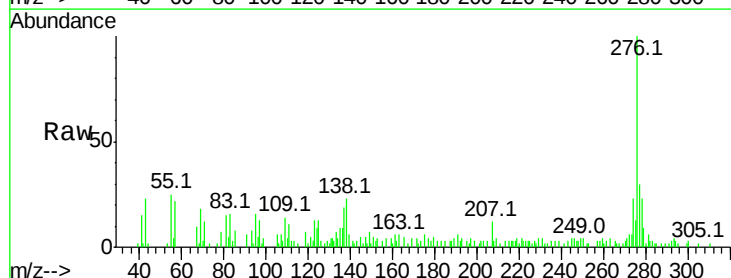
Tgt Ion:276 Resp: 28179

Ion Ratio Lower Upper

276 100

138 21.5 25.0 37.6#

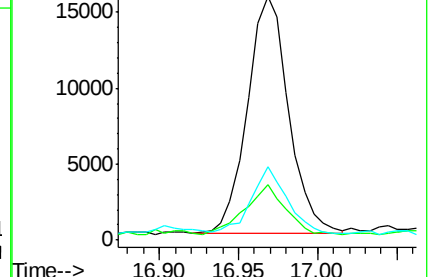
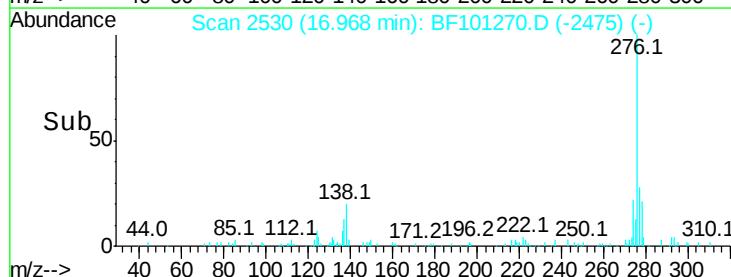
277 24.4 20.1 30.1

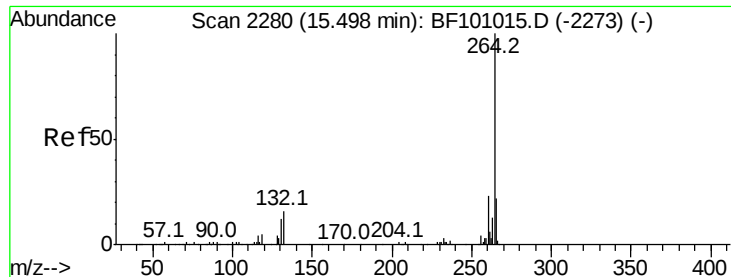


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

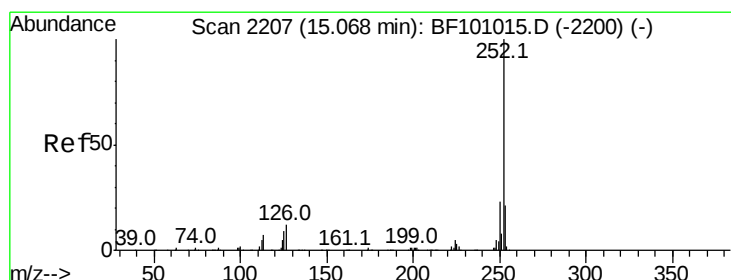
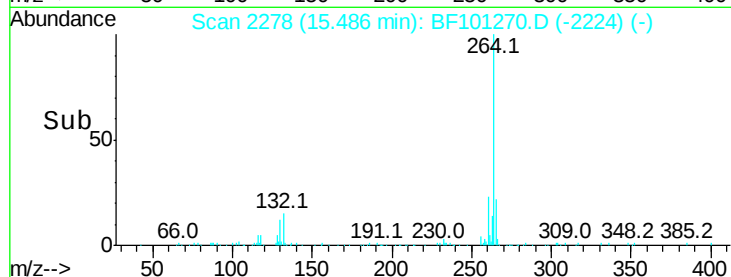
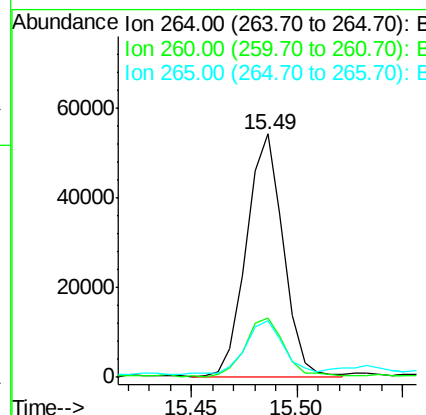
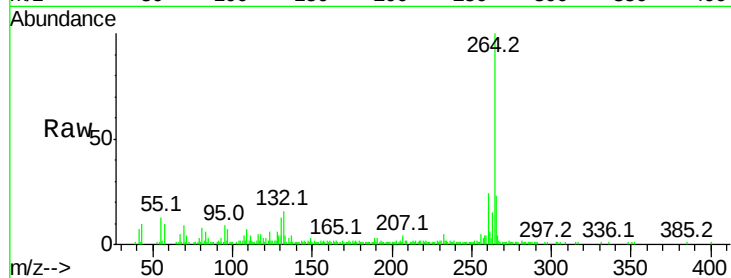




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

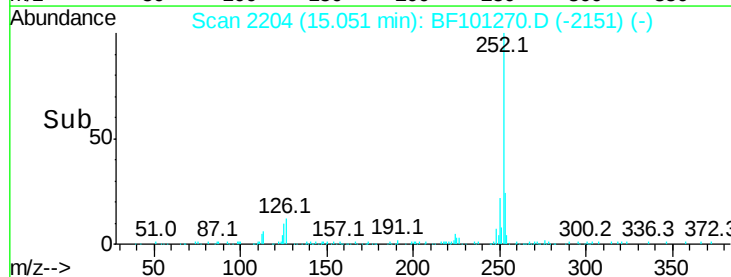
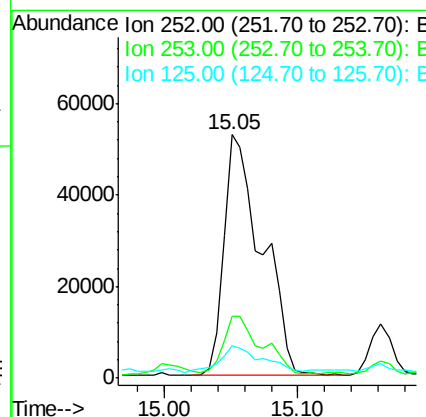
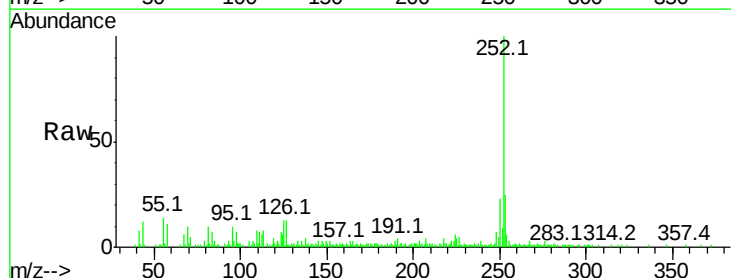
Instrument :
BNA_F
ClientSampleId :

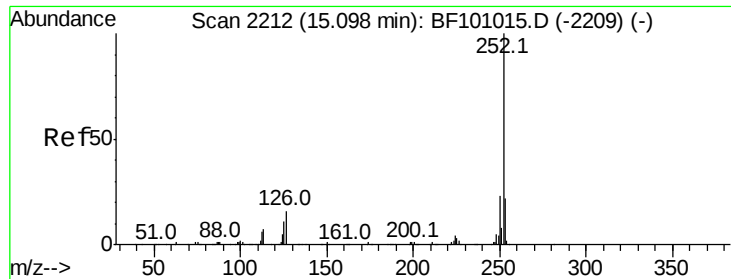
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 26.268 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	13.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 26.662 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

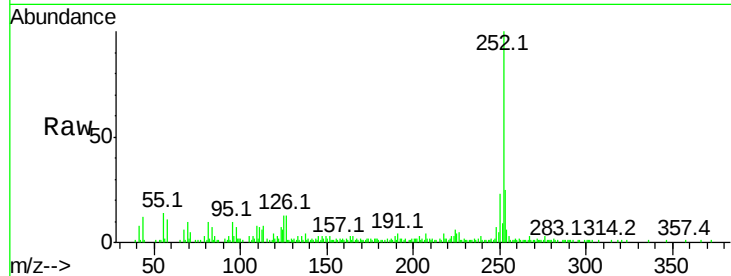
Tot Ion:252 Resp: 103999

Ion Ratio Lower Upper

252 100

253 25.2 17.9 26.9

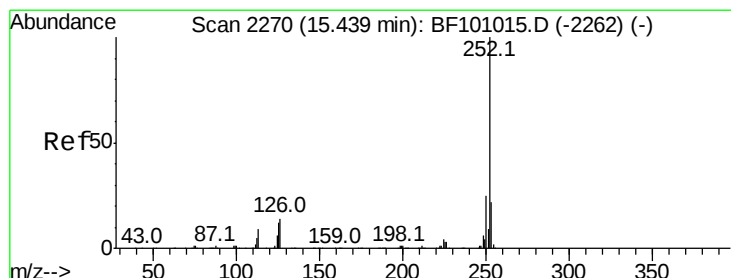
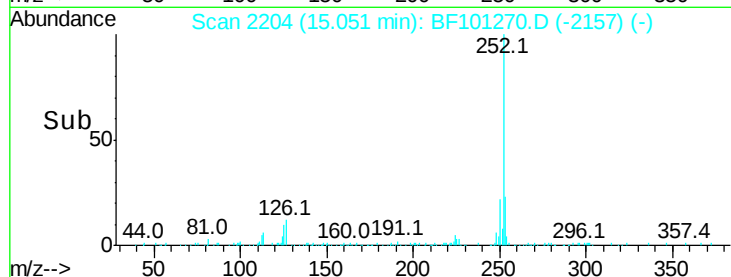
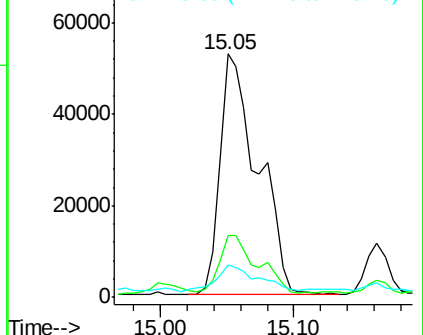
125 13.1 10.2 15.2



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: 14.847 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

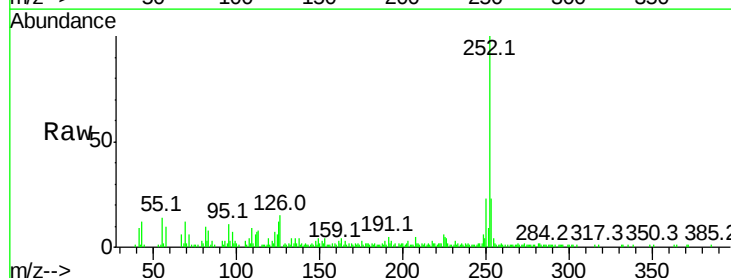
Tgt Ion:252 Resp: 53439

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

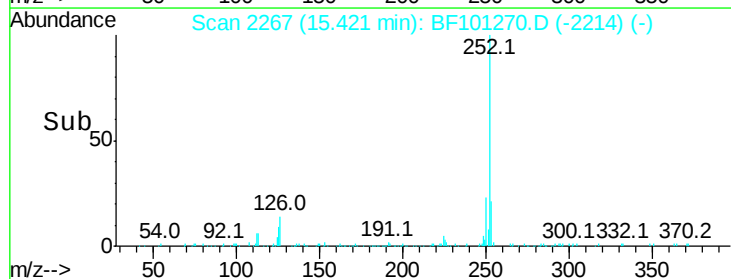
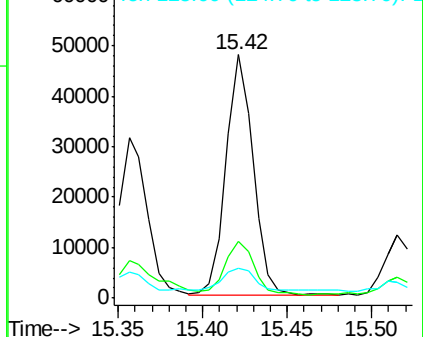
125 12.1 9.8 14.6

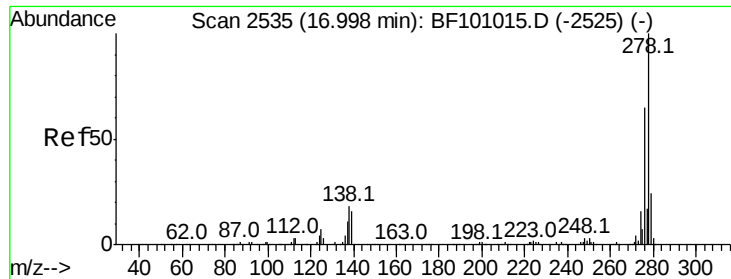


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

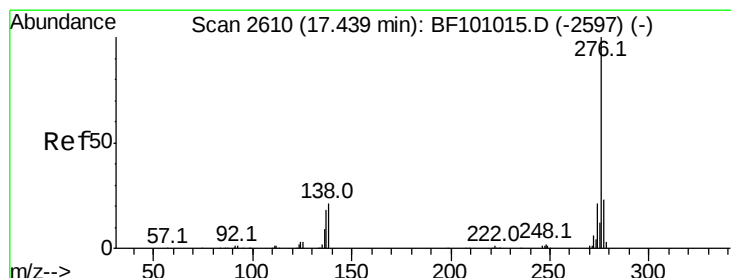
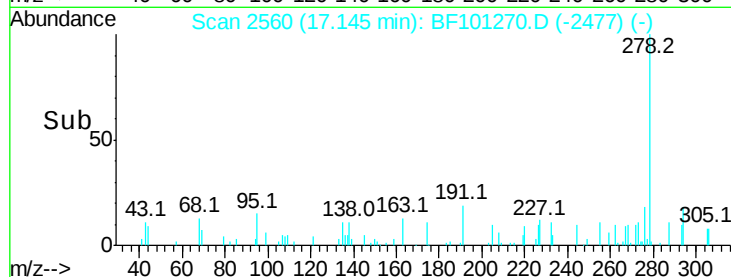
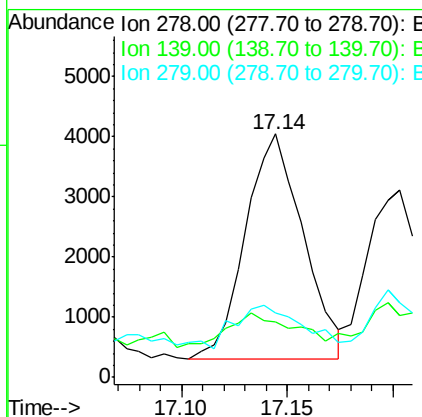
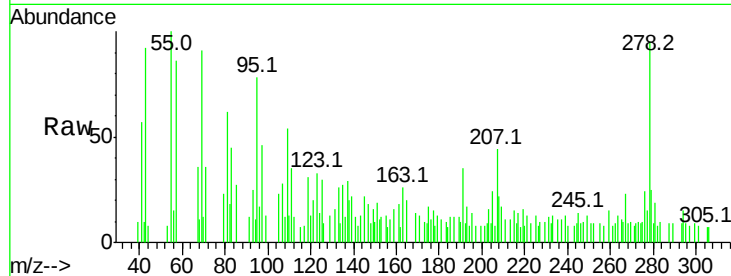




#90
Dibenzo(a,h)anthracene
Concen: 2.235 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.19 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 7092
Ion Ratio Lower Upper
278 100
139 22.9 15.9 23.9
279 26.3 19.0 28.4



#91
Benzo(g,h,i)perylene
Concen: 9.527 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.03 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:276 Resp: 28489
Ion Ratio Lower Upper
276 100
277 24.9 17.9 26.9
138 17.6 21.8 32.8#

