

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101145.D
 Acq On : 6 Dec 2017 1:32
 Operator : SJ/JU
 Sample : I6702-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 03:20:22 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	54558	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	212638	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	97328	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	174769	20.00	ng	0.00
75) Chrysene-d12	14.02	240	107701	20.00	ng	0.00
86) Perylene-d12	15.49	264	112864	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	363275	110.03	ng	0.01
7) Phenol-d6	6.48	99	440763	109.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	271674	76.21	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	115164	98.50	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	557954	78.43	ng	0.00
78) Terphenyl-d14	12.96	244	448705	91.13	ng	0.00

Target Compounds

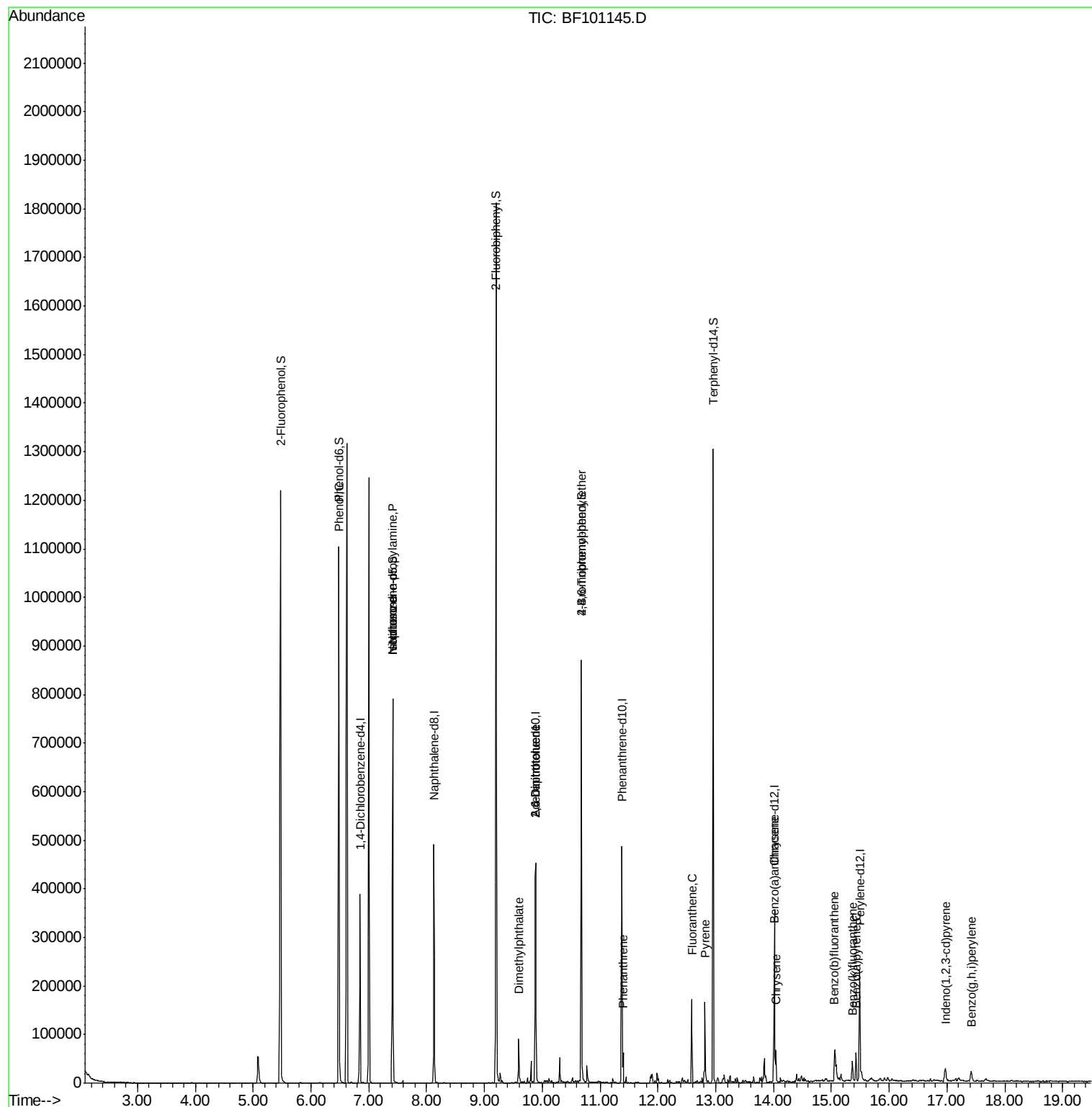
						Qvalue
10) Phenol	6.49	94	14010	3.143	ng	91
19) n-Nitroso-di-n-propylamine	7.42	70	35378	13.105	ng	# 80
25) Isophorone	7.42	82	271671	44.619	ng	# 64
49) Dimethylphthalate	9.60	163	42525	5.418	ng	# 99
50) 2,6-Dinitrotoluene	9.88	165	12027	7.275	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12027	5.428	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	7652	3.912	ng	# 1
70) Phenanthrene	11.40	178	23498	2.441	ng	99
74) Fluoranthene	12.59	202	66297	6.214	ng	93
77) Pyrene	12.82	202	66311	8.923	ng	96
80) Benzo(a)anthracene	14.00	228	30717	4.517	ng	96
82) Chrysene	14.04	228	29118	4.611	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	19952	3.554	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	53460	7.908	ng	98
88) Benzo(k)fluoranthene	15.36	252	17501	2.628	ng	97
89) Benzo(a)pyrene	15.43	252	30596	4.978	ng	96
91) Benzo(a,h,i)perylene	17.42	276	19281	3.776	ng	# 91

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

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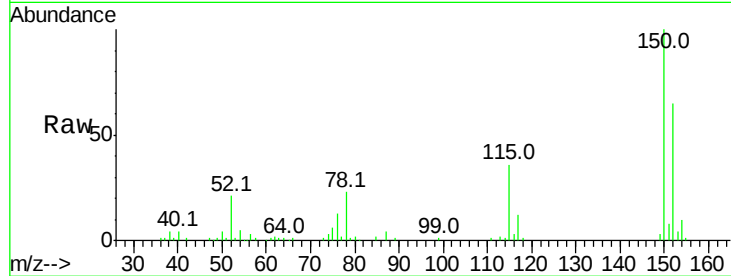


#1

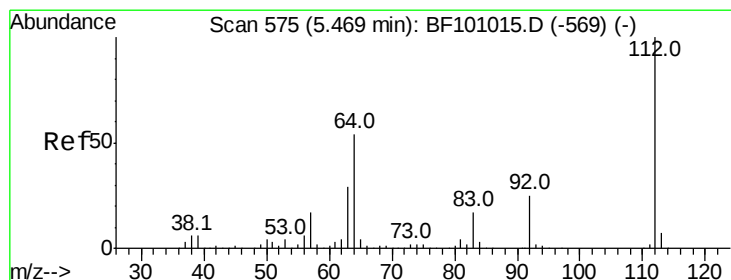
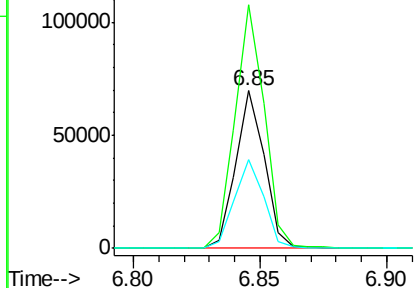
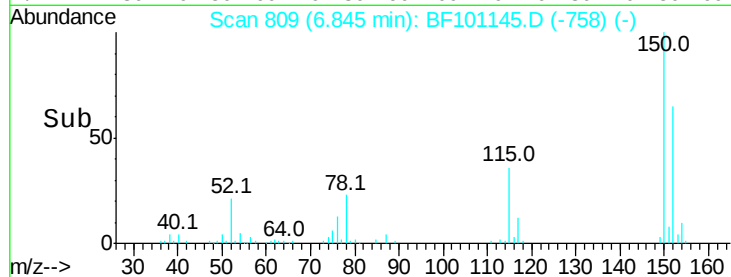
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 54558
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 56.4 50.1 75.1



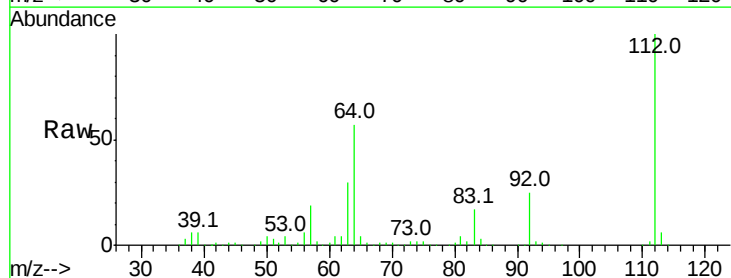
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



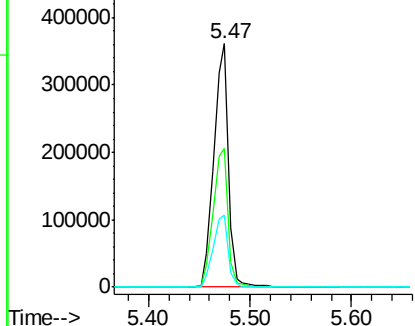
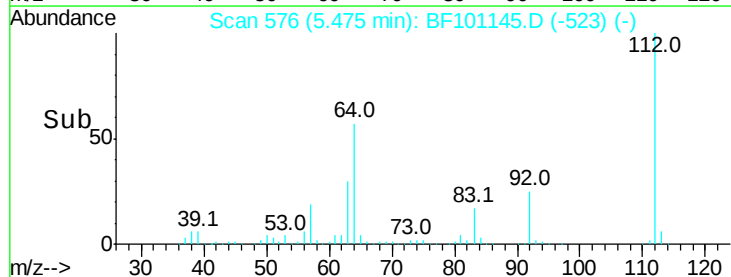
#5

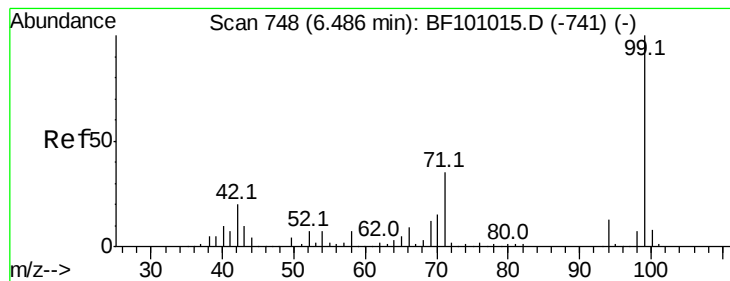
2-Fluorophenol
Concen: 110.028 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:112 Resp: 363275
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.9 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: 109.956 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

ClientSampled :

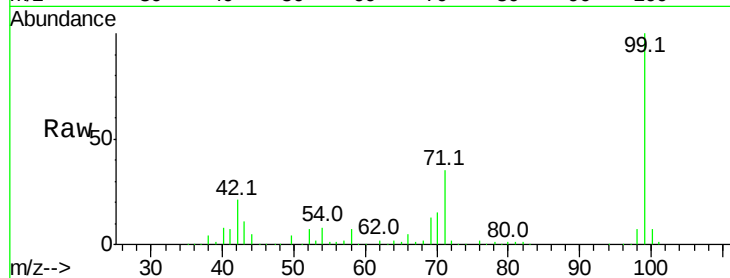
Tot Ion: 99 Resp: 440763

Ion Ratio Lower Upper

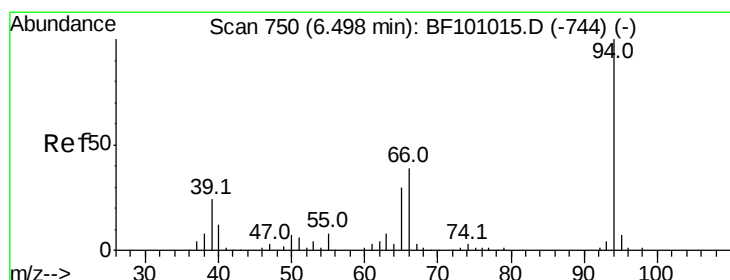
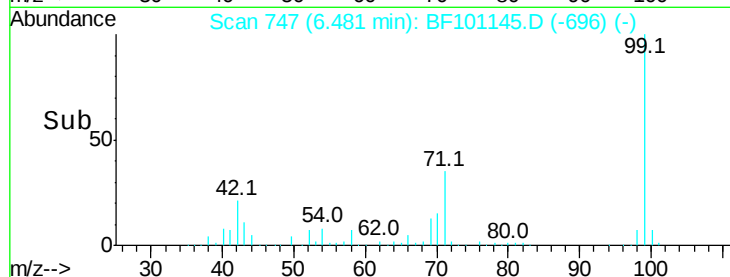
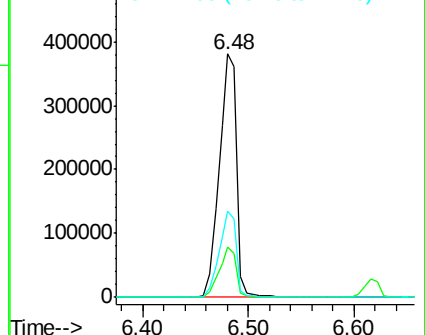
99 100

42 20.6 14.5 21.7

71 35.5 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: 3.143 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

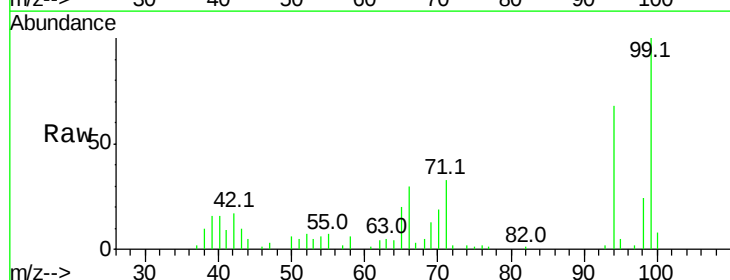
Tgt Ion: 94 Resp: 14010

Ion Ratio Lower Upper

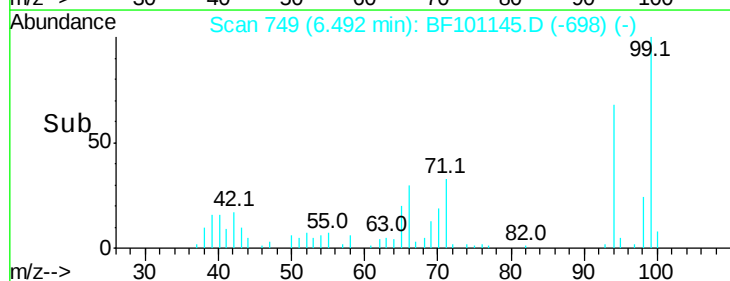
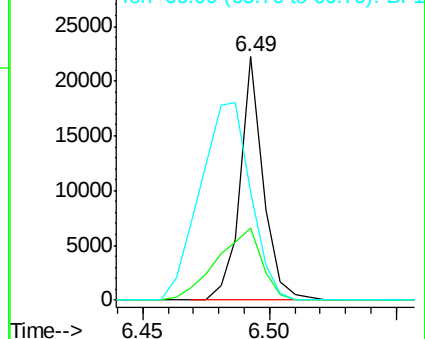
94 100

65 29.6 7.9 47.9

66 44.4 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

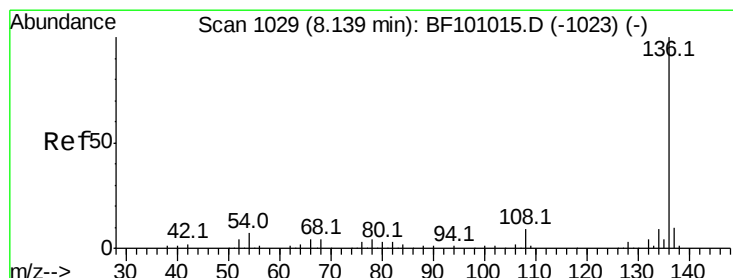
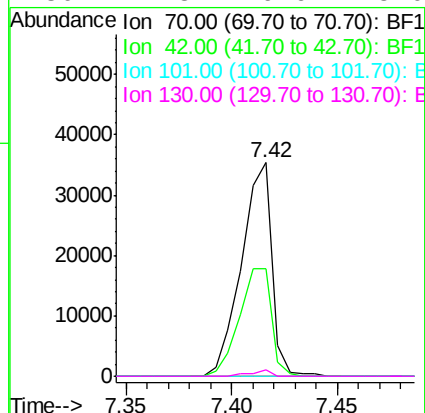
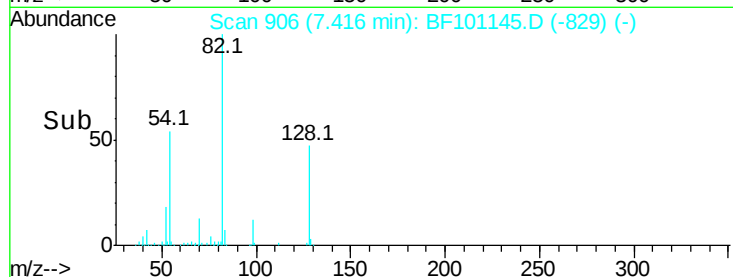
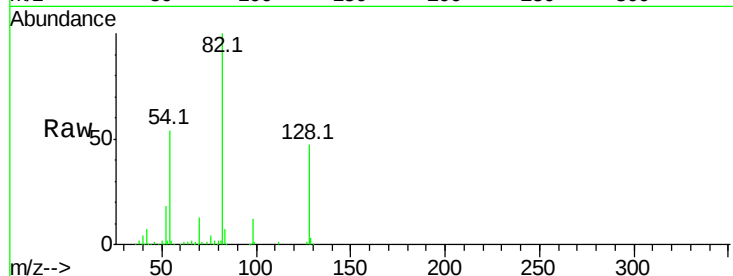




#19
n-Nitroso-di-n-propylamine
Concen: 13.105 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

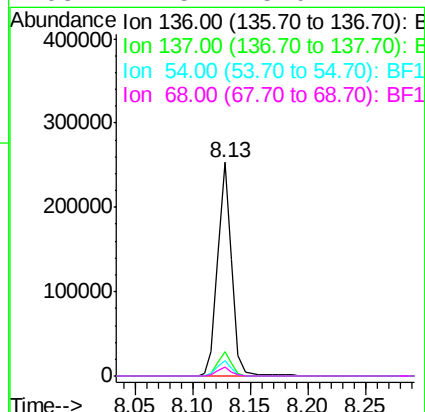
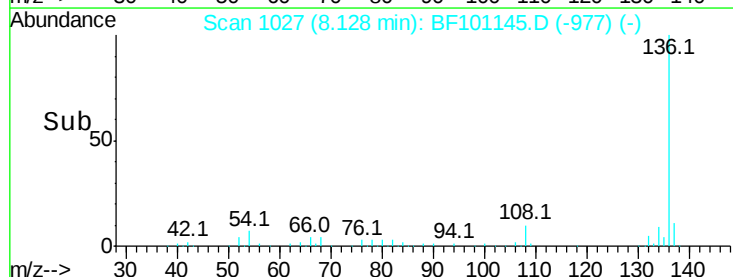
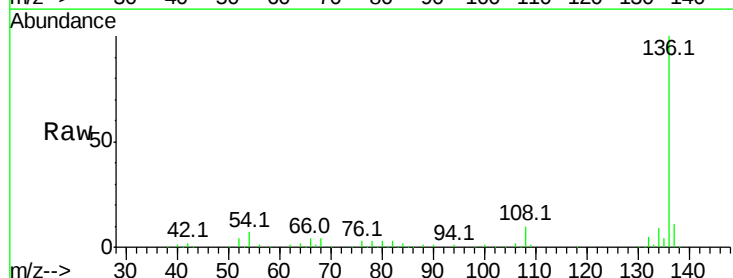
Instrument :
BNA_F
ClientSampled :

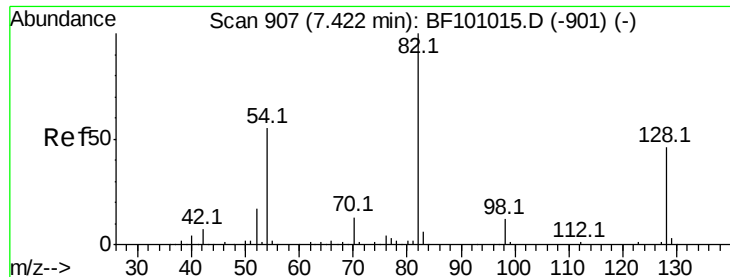
Tot Ion: 70 Resp: 35378
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:136 Resp: 212638
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.5 6.6 9.8
68 4.5 5.0 7.4#

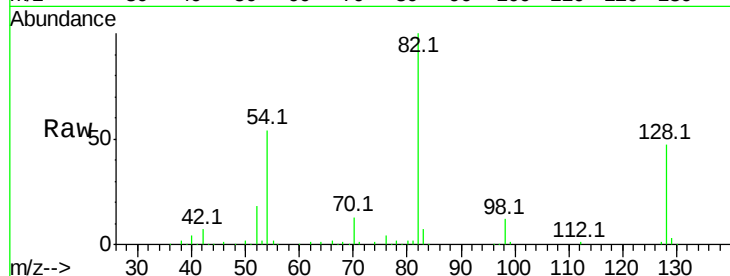




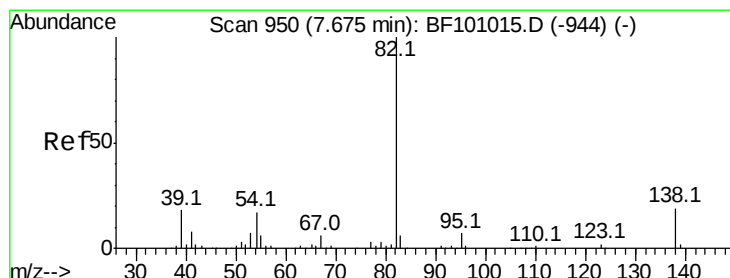
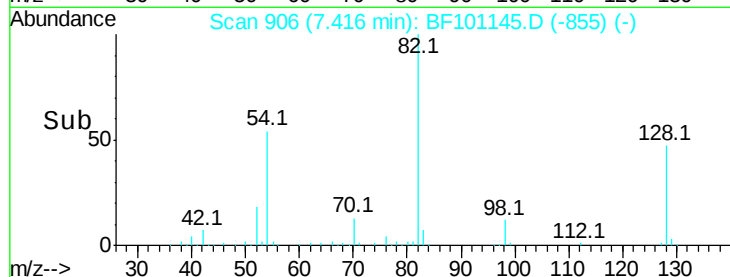
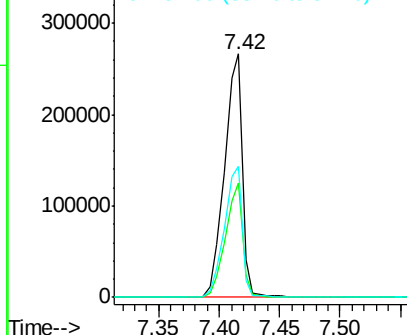
#23
Nitrobenzene-d5
Concen: 76.215 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 271674
Ion Ratio Lower Upper
82 100
128 46.9 36.1 54.1
54 53.8 41.4 62.2

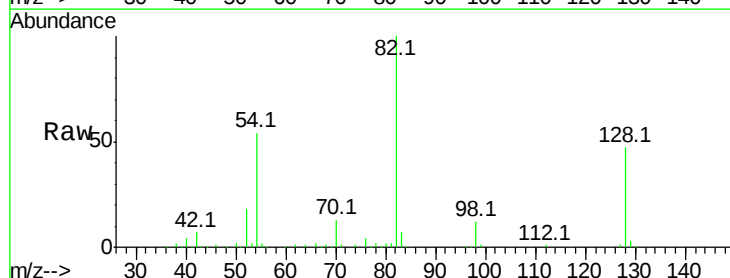


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

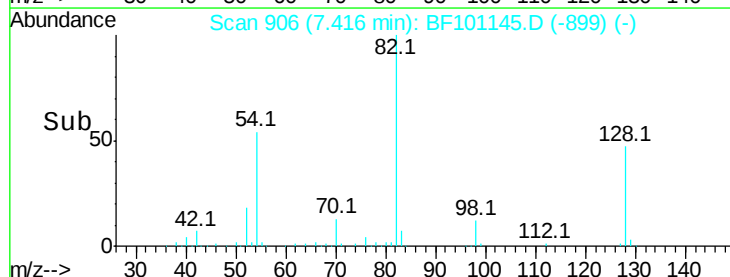
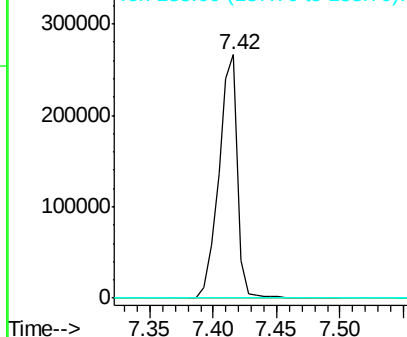


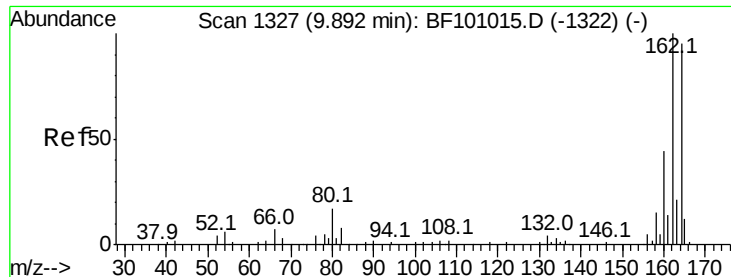
#25
Isophorone
Concen: 44.619 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion: 82 Resp: 271671
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

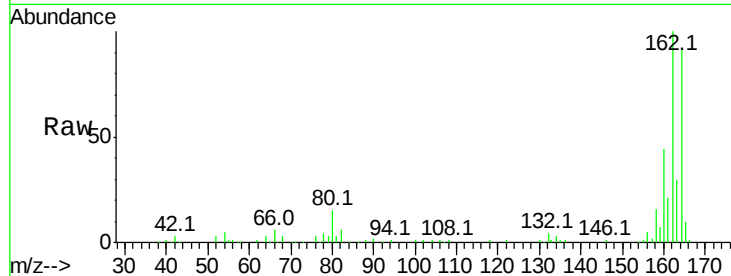




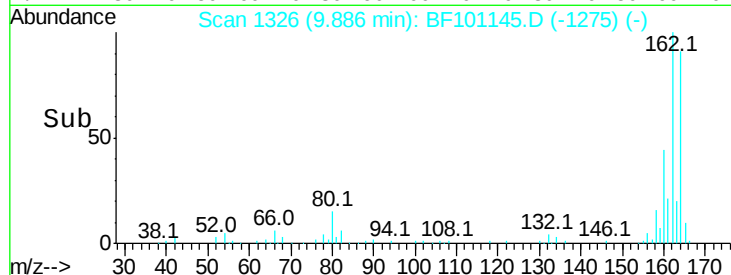
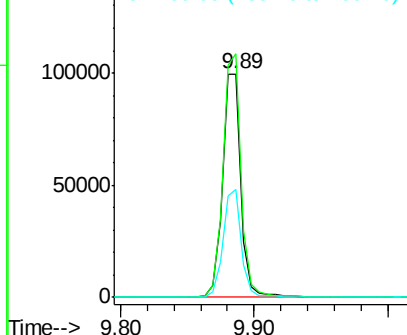
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 97328
Ion Ratio Lower Upper
164 100
162 108.8 86.1 129.1
160 48.2 38.3 57.5

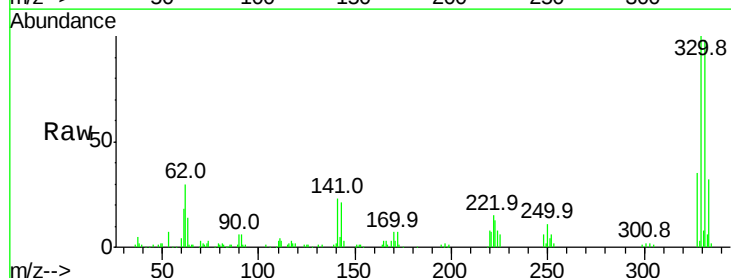


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

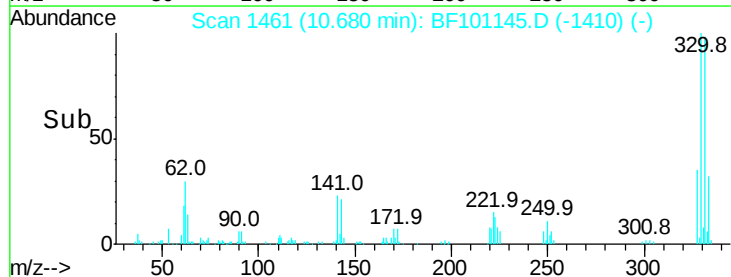
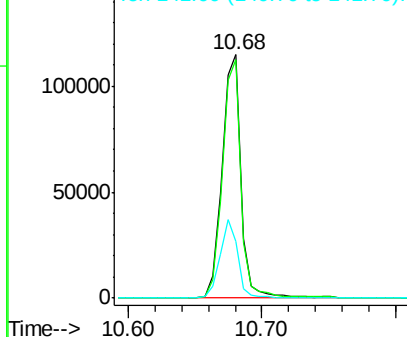


#41
2,4,6-Tribromophenol
Concen: 98.499 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:330 Resp: 115164
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 30.3 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

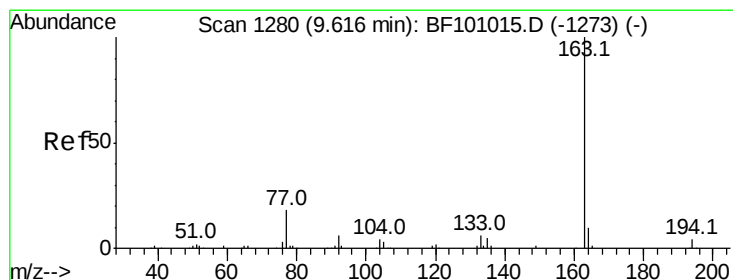
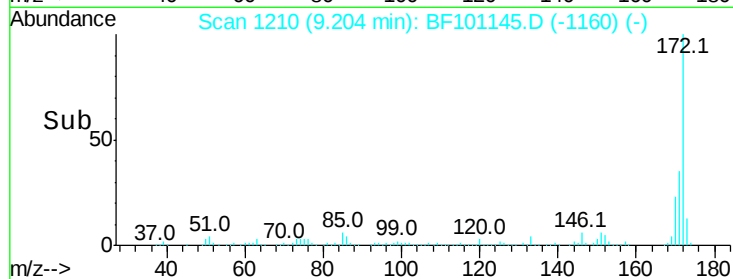
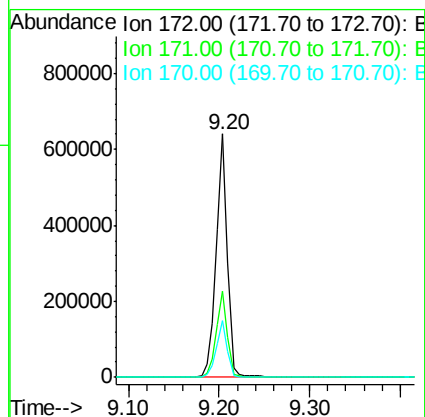
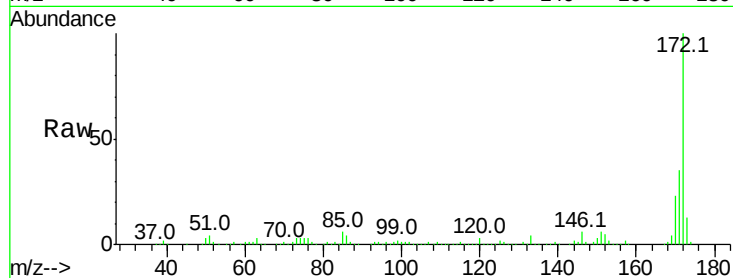




#44
2-Fluorobiphenyl
Concen: 78.435 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

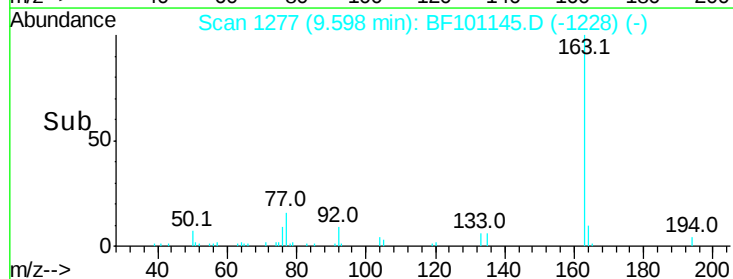
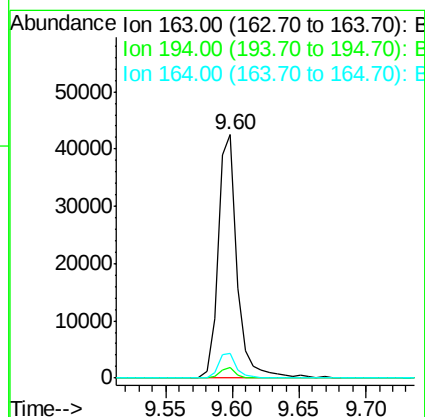
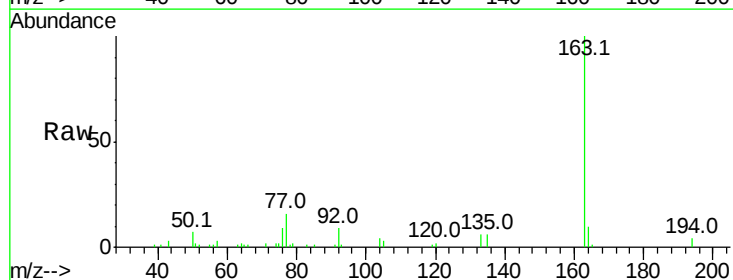
Instrument :
BNA_F
ClientSampleId :

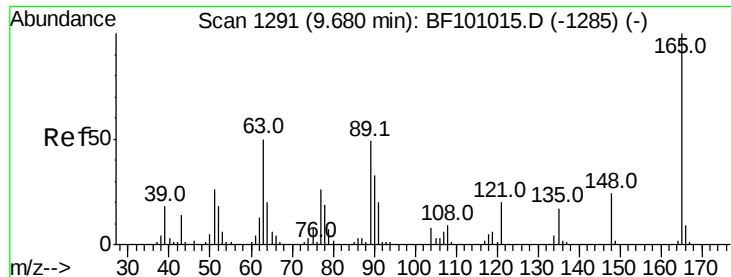
Tot Ion:172 Resp: 557954
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 5.418 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:163 Resp: 42525
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.0 8.2 12.2

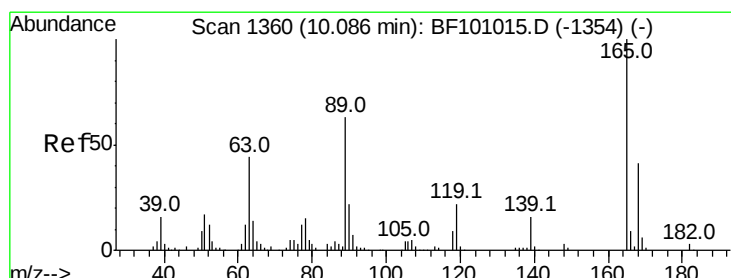
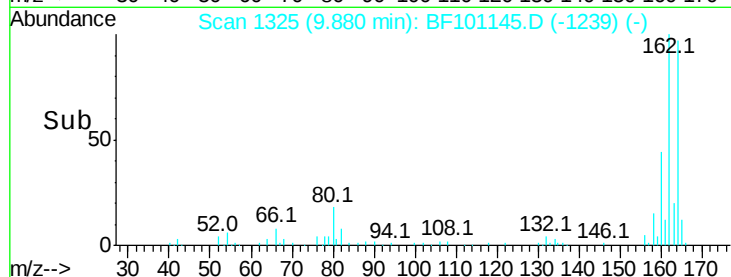
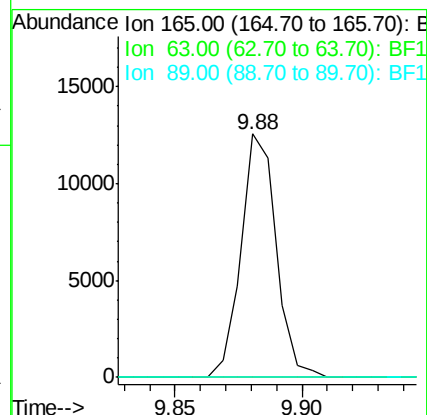
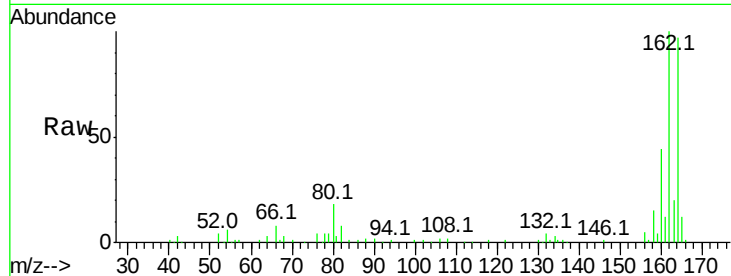




#50
 2,6-Dinitrotoluene
 Concen: 7.275 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

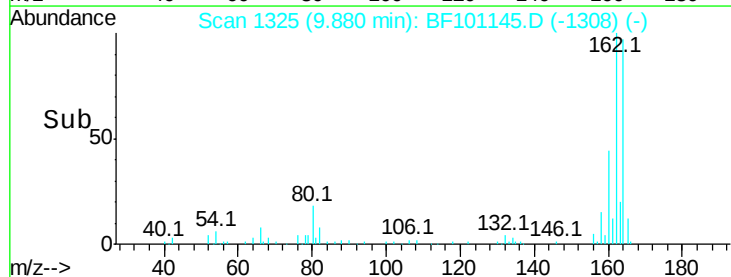
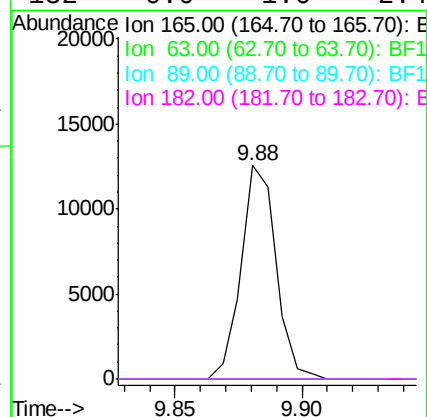
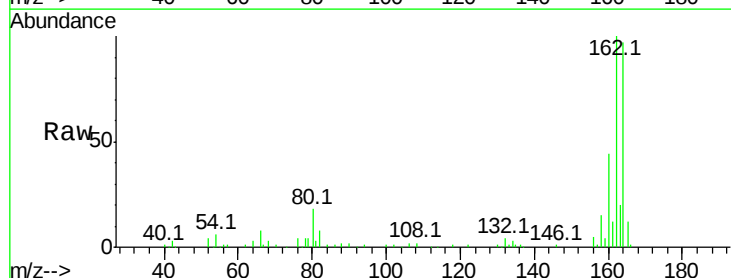
Instrument :
 BNA_F
 ClientSampleId :

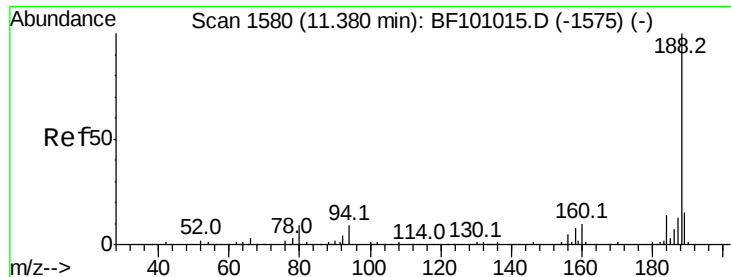
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.428 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

Tgt 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#

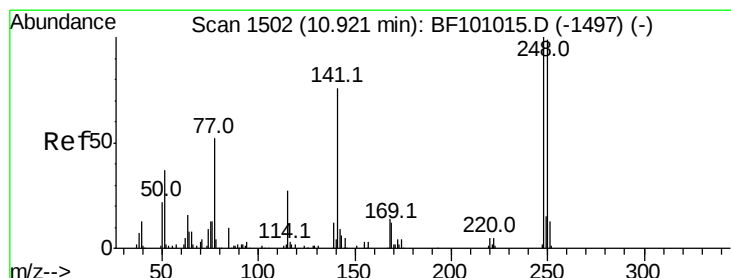
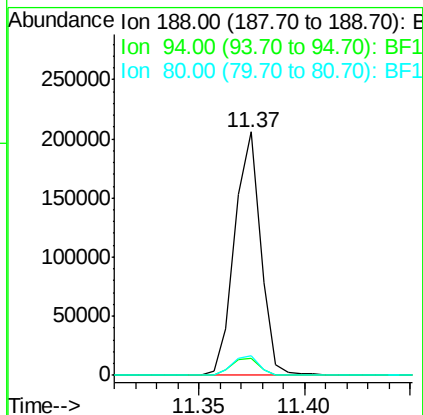
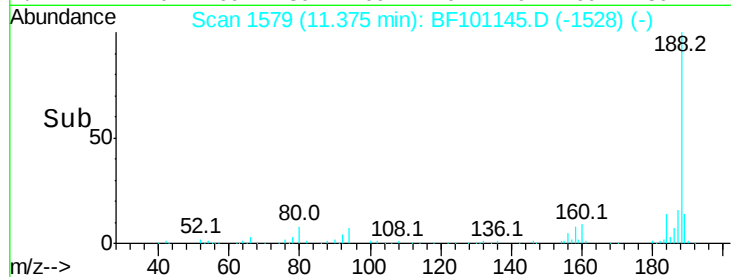
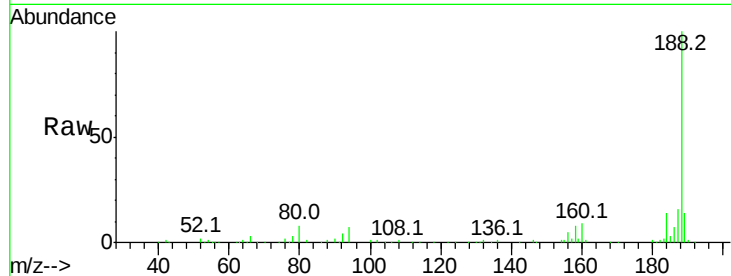




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

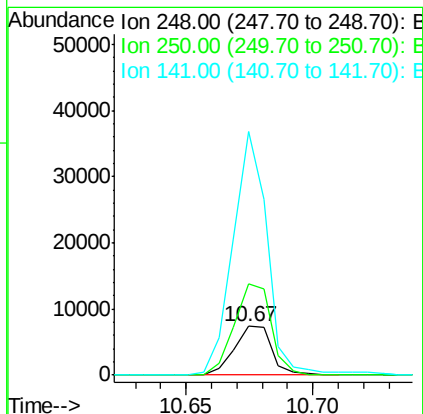
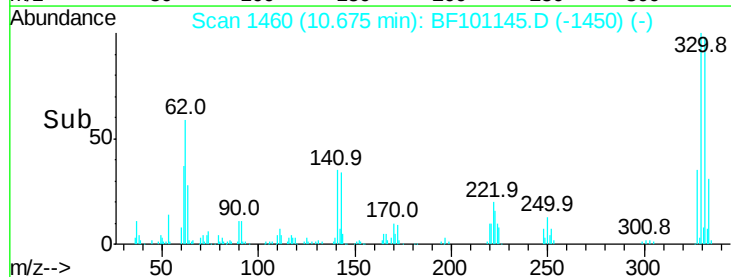
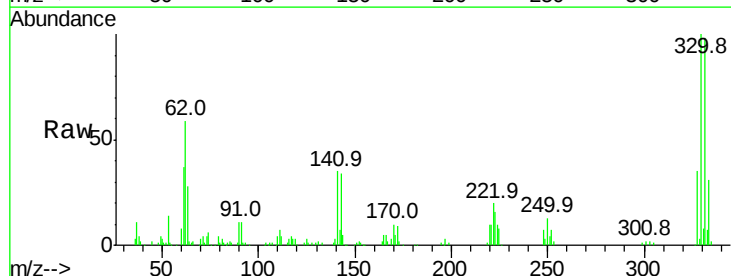
Instrument :
 BNA_F
 ClientSampleId :

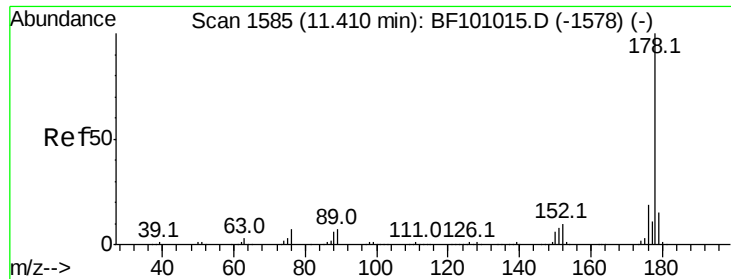
Tot Ion:188 Resp: 174769
 Ion Ratio Lower Upper
 188 100
 94 7.2 8.5 12.7#
 80 8.2 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.912 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

Tgt Ion:248 Resp: 7652
 Ion Ratio Lower Upper
 248 100
 250 188.4 76.9 115.3#
 141 502.4 74.4 111.6#





#70

Phenanthrene

Concen: 2.441 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

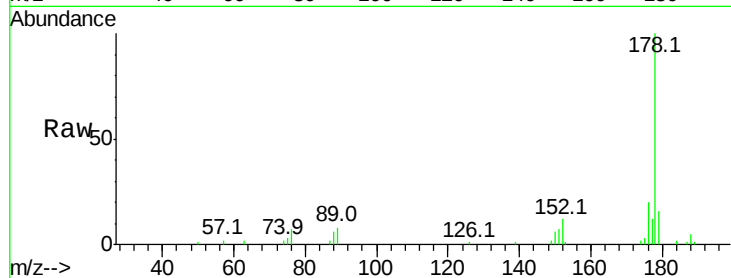
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 23498

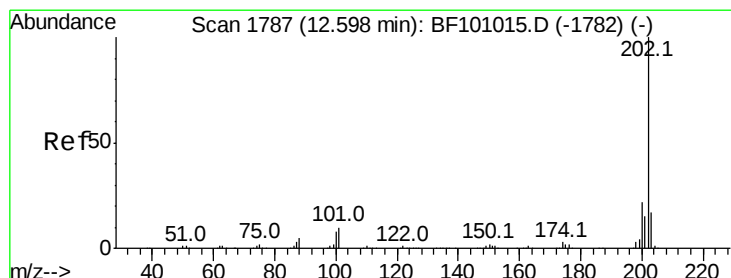
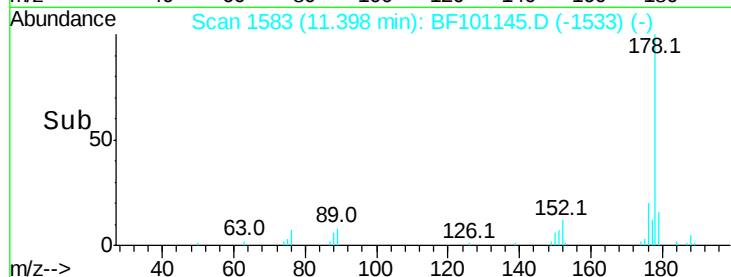
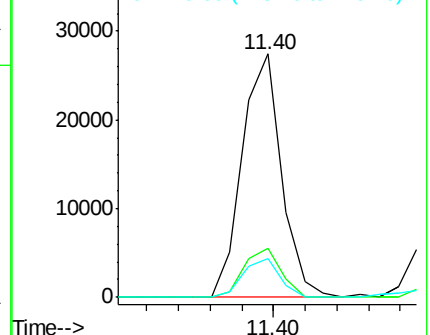
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.9	13.0	19.6



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: 6.214 ng

RT: 12.59 min Scan# 1785

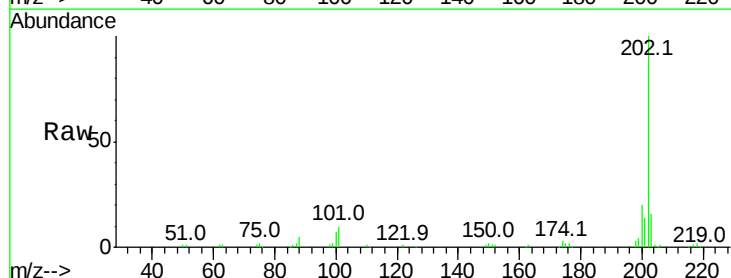
Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Tgt Ion:202 Resp: 66297

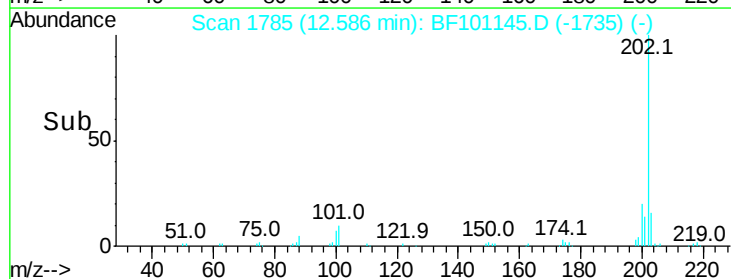
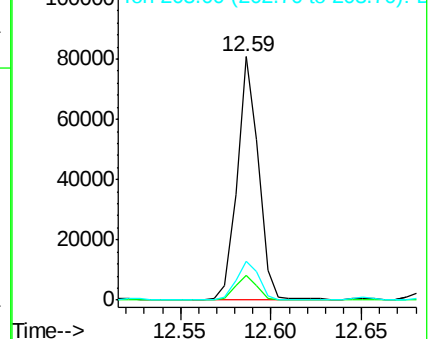
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	16.1	0.0	38.1

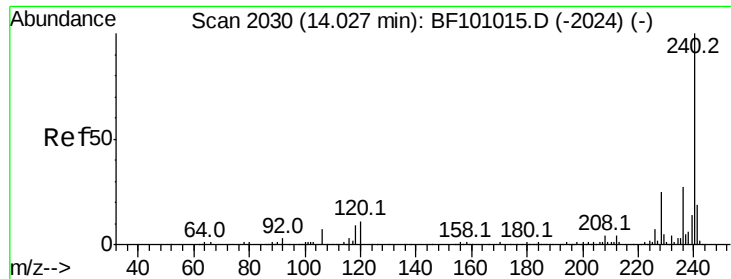


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

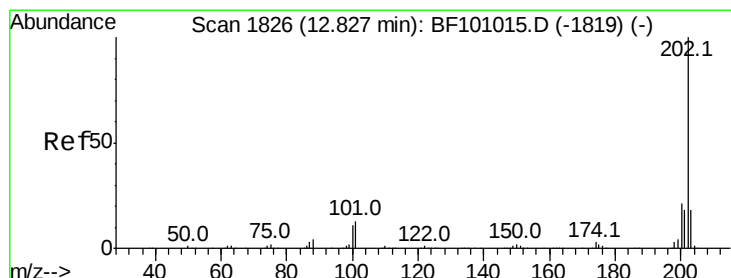
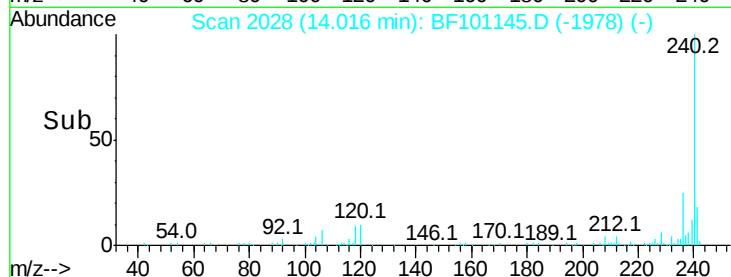
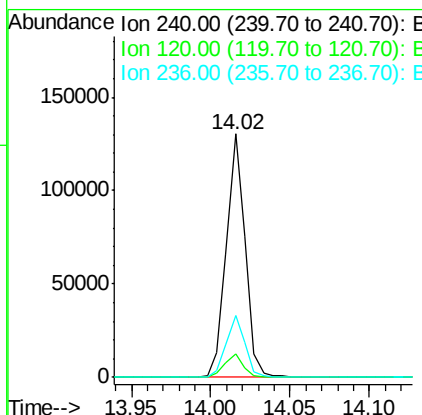
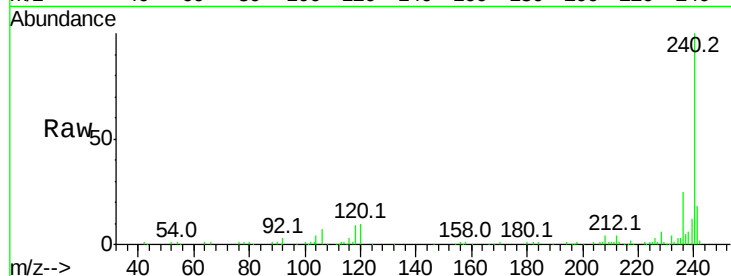




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

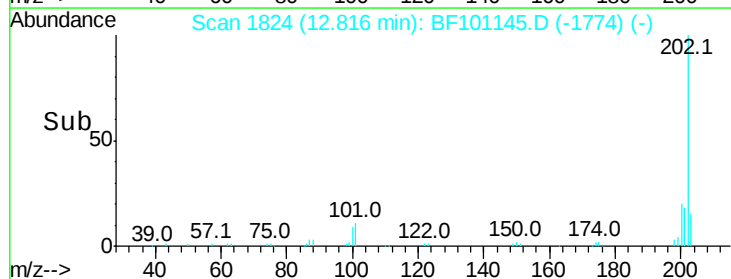
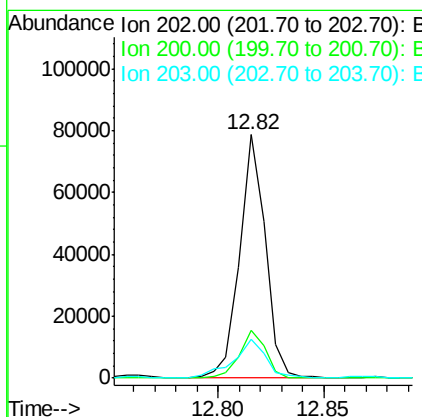
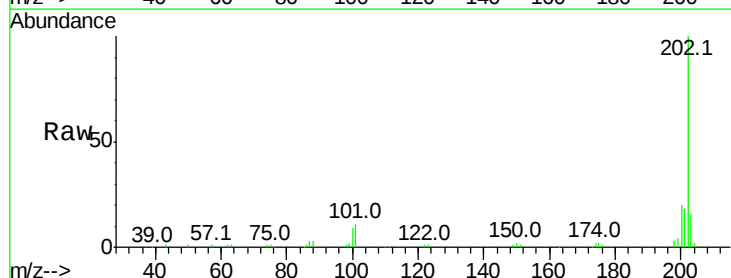
Instrument :
 BNA_F
 ClientSampleId :

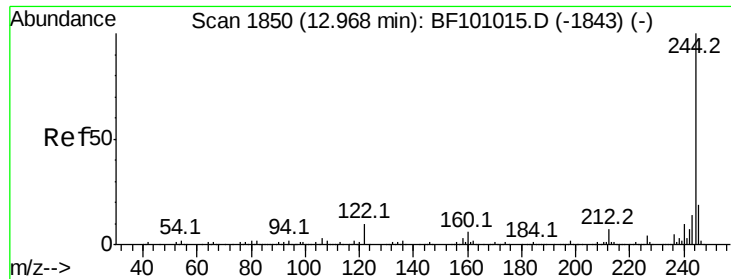
Tot Ion:240 Resp: 107701
 Ion Ratio Lower Upper
 240 100
 120 9.9 9.5 14.3
 236 25.2 20.7 31.1



#77
 Pyrene
 Concen: 8.923 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

Tgt Ion:202 Resp: 66311
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.4 26.2
 203 15.8 14.3 21.5





#78

Terphenyl-d14

Concen: 91.126 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

Instrument :

BNA_F

ClientSampleId :

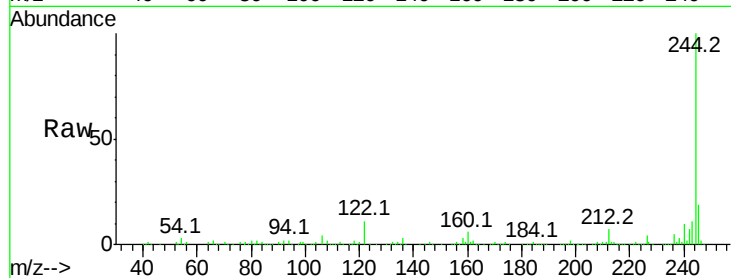
Tot Ion:244 Resp: 448705

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

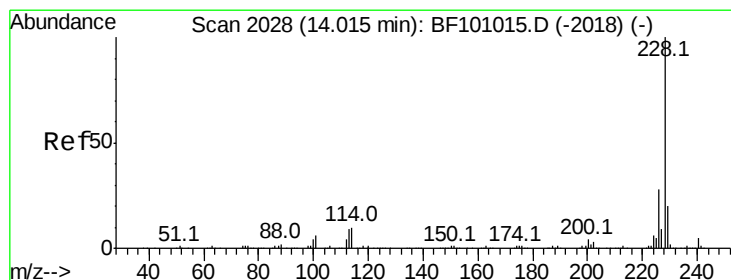
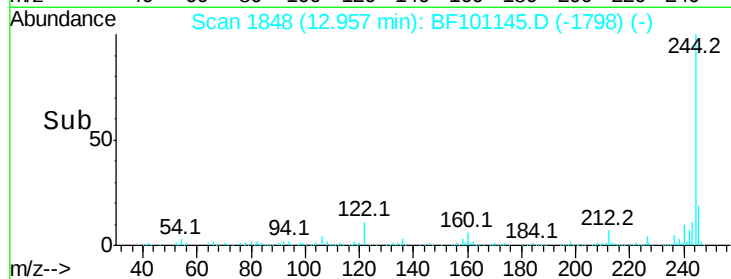
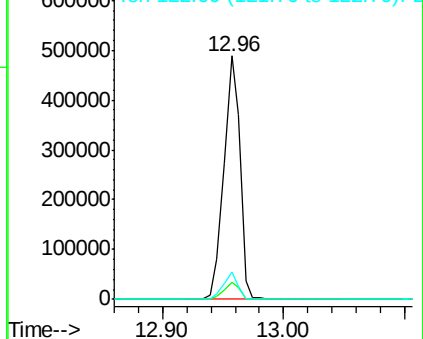
122 11.4 11.0 16.4



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: 4.517 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF101145.D

Acq: 6 Dec 2017 1:32

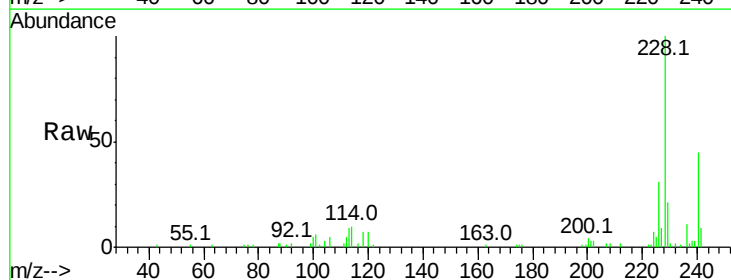
Tgt Ion:228 Resp: 30717

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

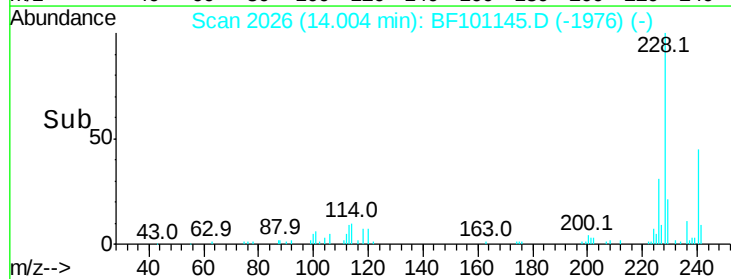
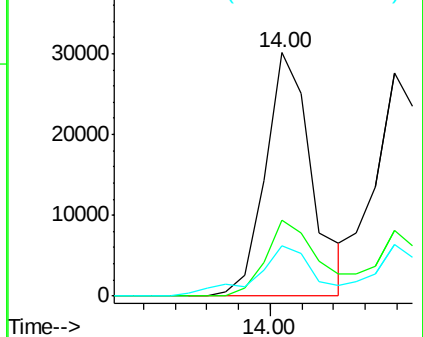
229 20.7 15.8 23.6

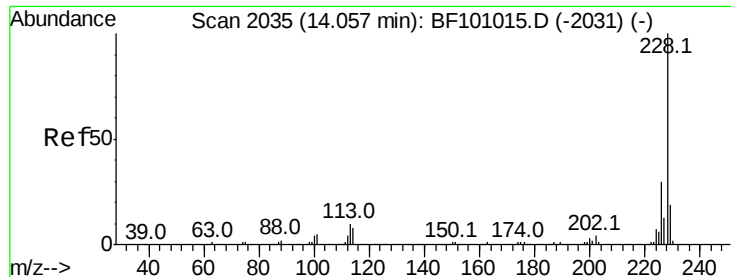


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

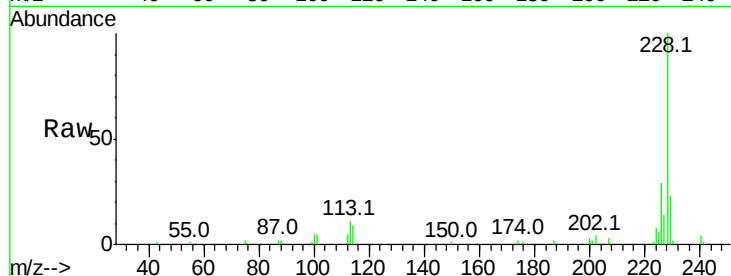




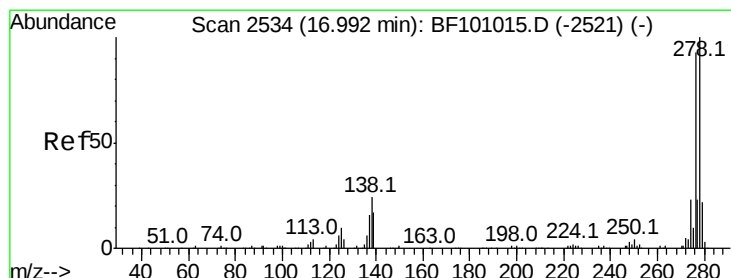
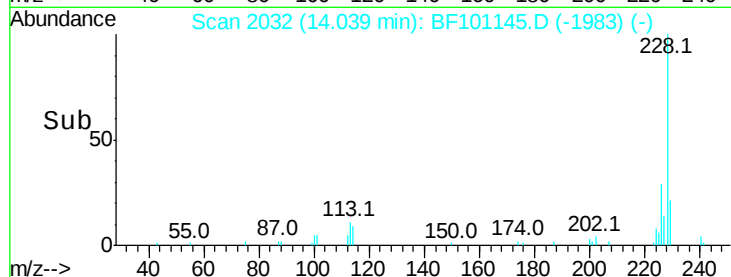
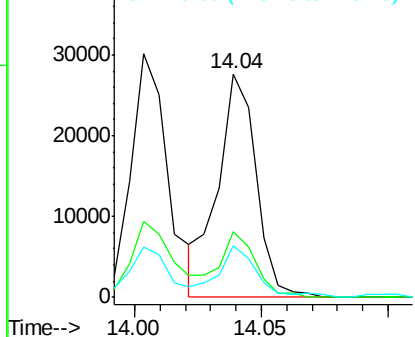
#82
Chrysene
Concen: 4.611 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 29118
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.9 16.2 24.4

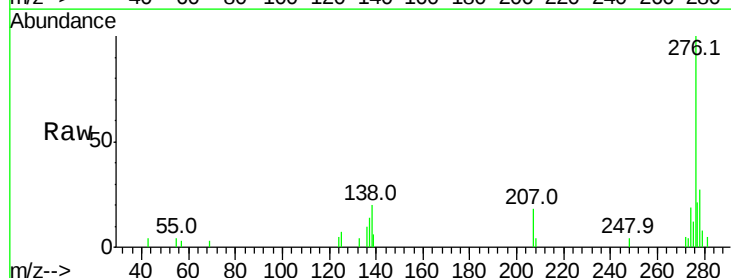


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

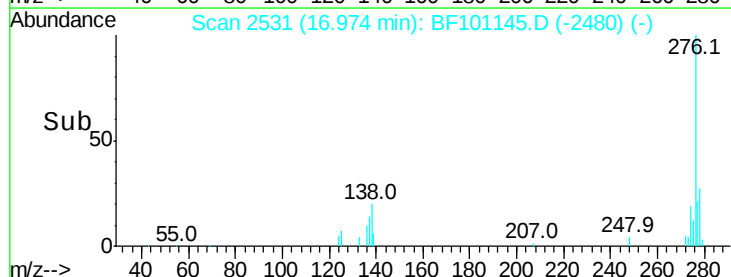
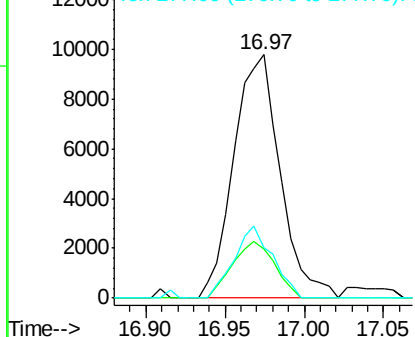


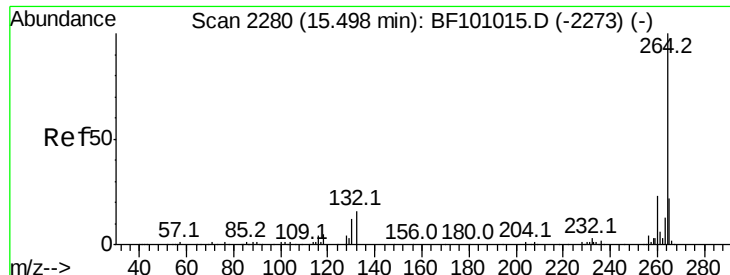
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.554 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:276 Resp: 19952
Ion Ratio Lower Upper
276 100
138 21.2 25.0 37.6#
277 24.6 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

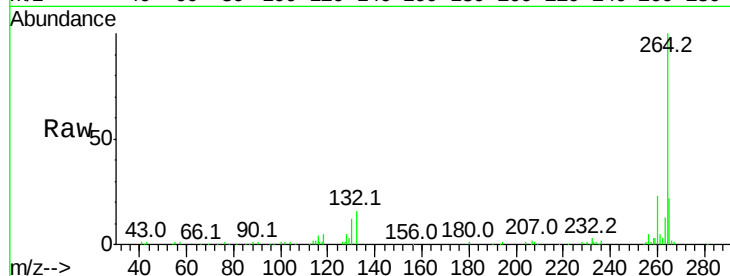




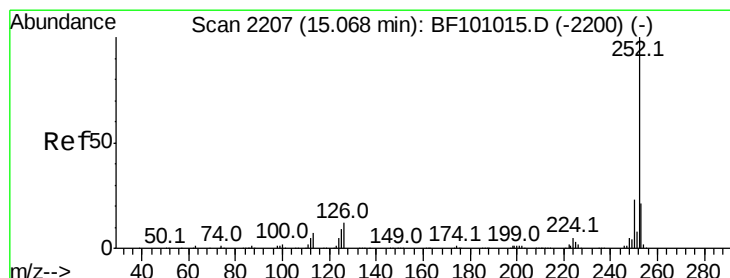
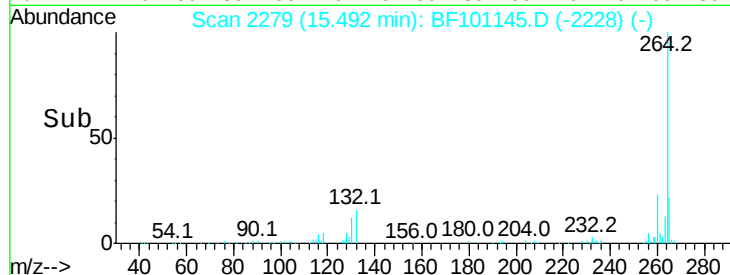
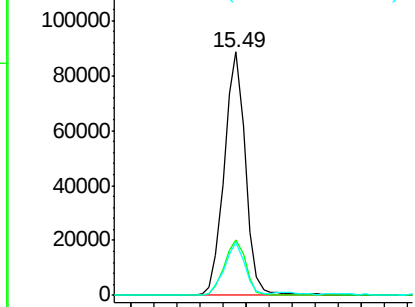
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 112864
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.9 17.5 26.3

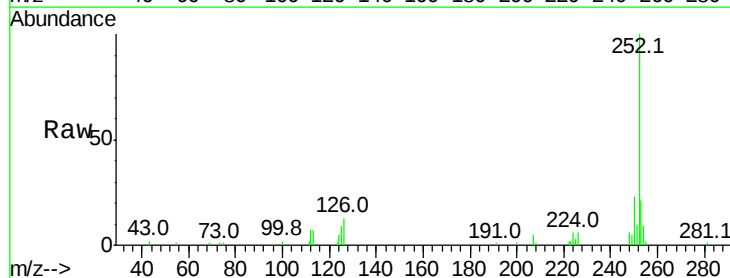


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

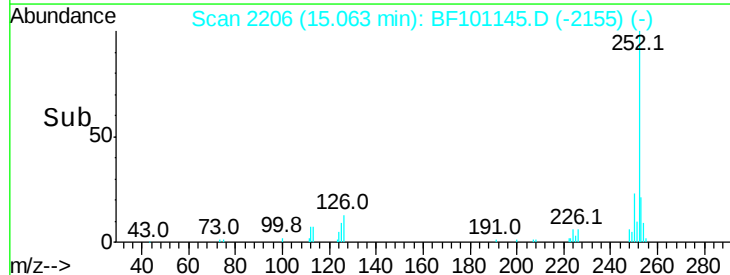
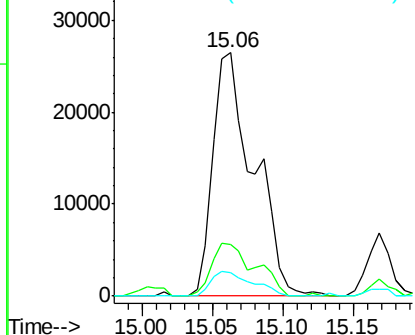


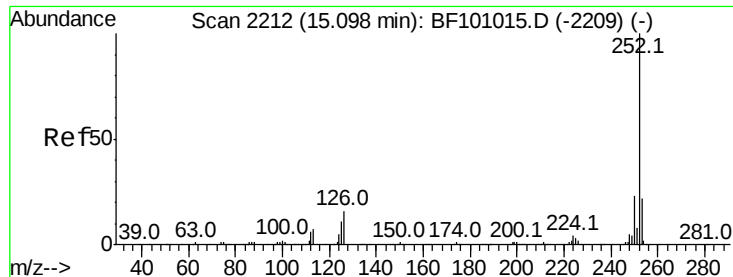
#87
Benzo(b)fluoranthene
Concen: 7.908 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion:252 Resp: 53460
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 9.4 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

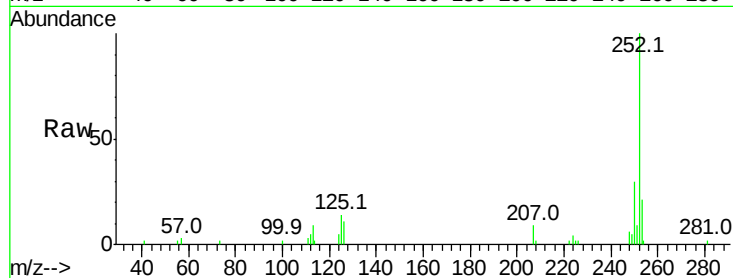




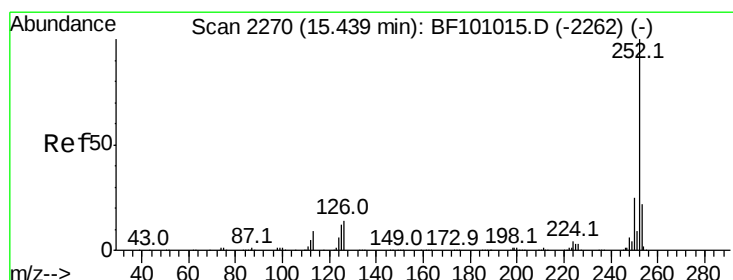
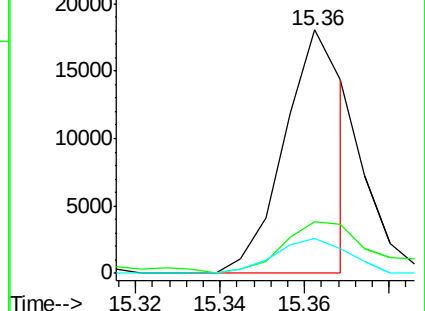
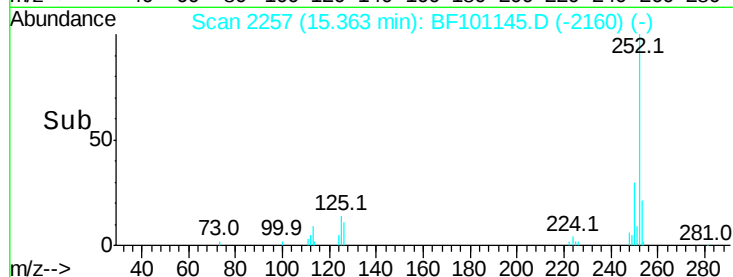
#88
Benzo(k)fluoranthene
Concen: 2.628 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.27 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	14.3	10.2	15.2

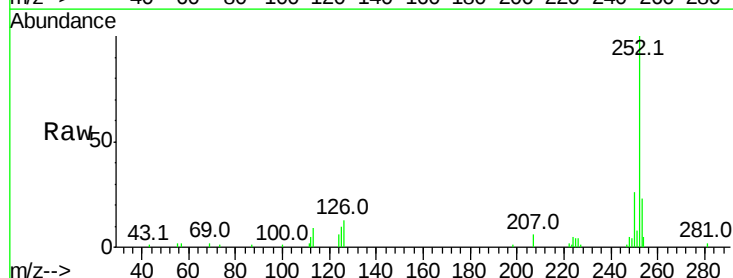


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

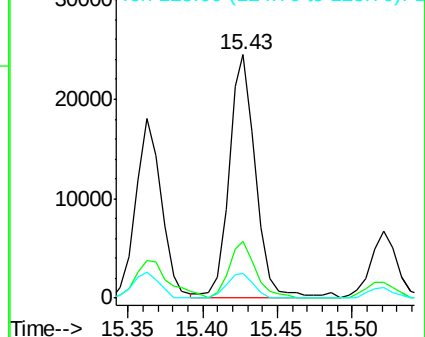
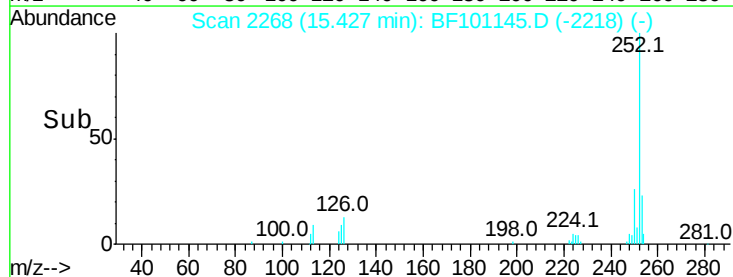


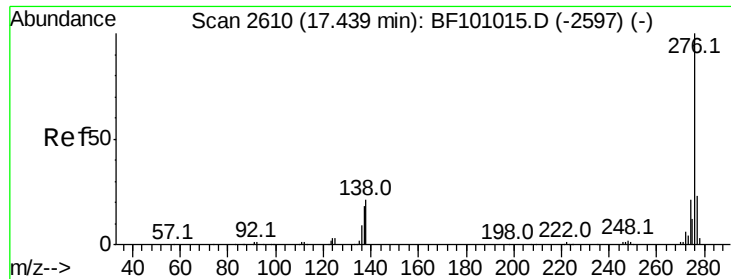
#89
Benzo(a)pyrene
Concen: 4.978 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101145.D
Acq: 6 Dec 2017 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.2	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

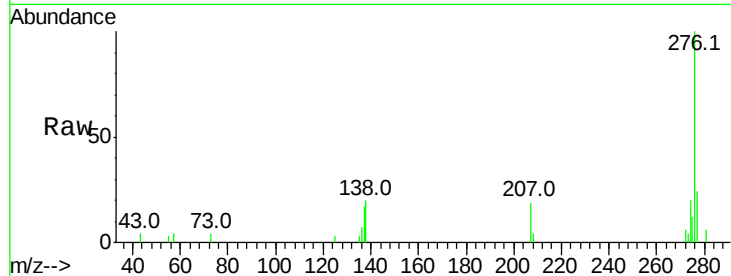




#91
 Benzo(a,h,i)perylene
 Concen: 3.776 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF101145.D
 Acq: 6 Dec 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	20.1	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

