

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101253.D
 Acq On : 8 Dec 2017 23:07
 Operator : SJ/JU
 Sample : I6717-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 01:05:01 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	46934	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	178226	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	75536	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	132094	20.00	ng	0.00
75) Chrysene-d12	14.00	240	102379	20.00	ng	0.00
86) Perylene-d12	15.48	264	88541	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	312356	109.97	ng	0.01
7) Phenol-d6	6.47	99	376626	109.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	218721	73.21	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	84361	92.97	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	459296	83.19	ng	0.00
78) Terphenyl-d14	12.95	244	367386	78.49	ng	0.00

Target Compounds

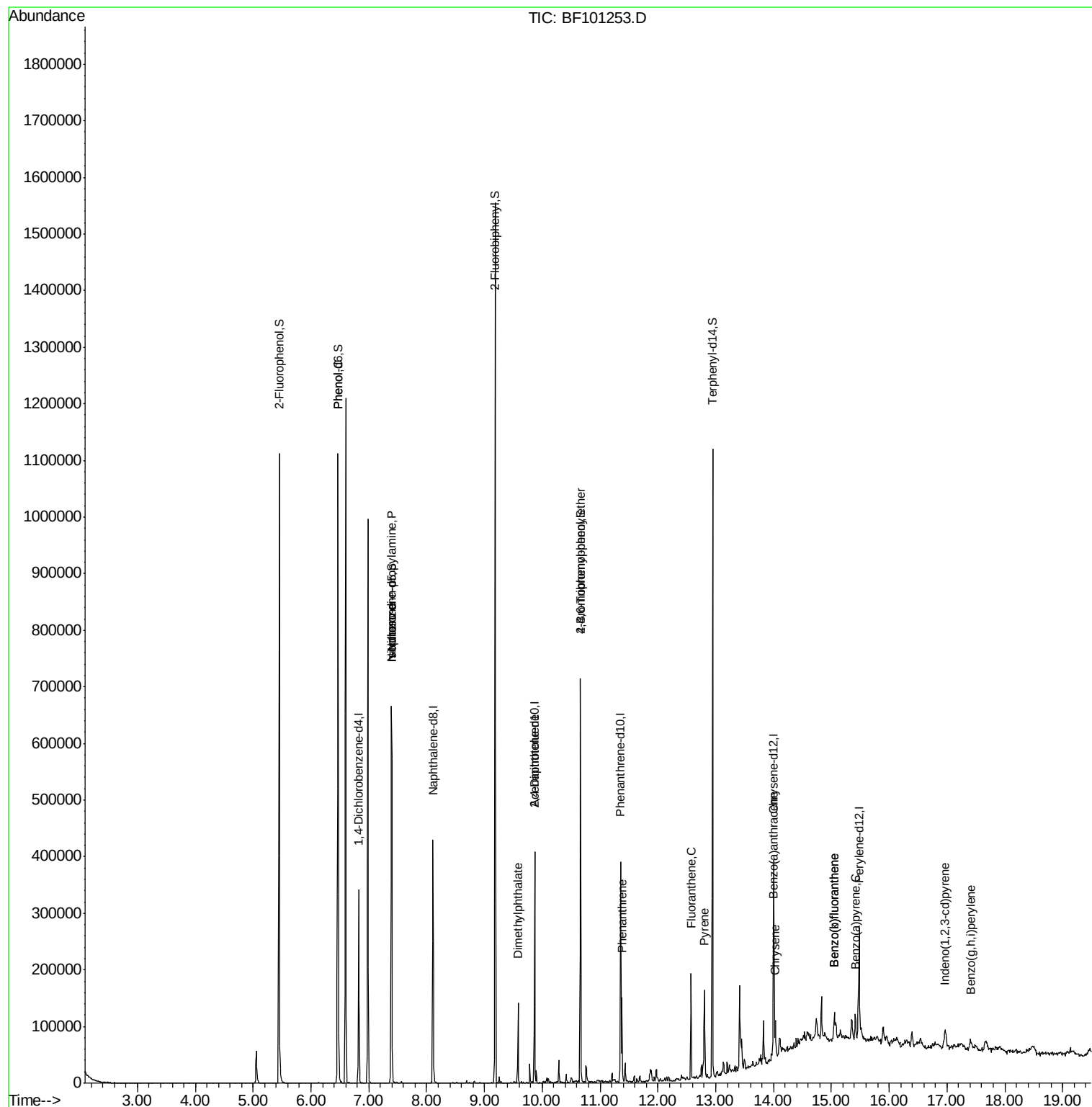
						Qvalue
10) Phenol	6.47	94	9055	2.362	ng	# 50
19) n-Nitroso-di-n-propylamine	7.39	70	28838	12.418	ng	# 82
25) Isophorone	7.39	82	218719	42.858	ng	# 64
49) Dimethylphthalate	9.58	163	55277	9.074	ng	# 99
56) 2,4-Dinitrotoluene	9.87	165	9478	5.512	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5416	3.663	ng	# 1
70) Phenanthrene	11.38	178	51050	7.018	ng	96
74) Fluoranthene	12.57	202	68109	8.447	ng	96
77) Pyrene	12.80	202	61160	8.657	ng	98
80) Benzo(a)anthracene	13.99	228	29314	4.535	ng	99
82) Chrysene	14.03	228	26461	4.408	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	11780	2.207	ng	# 85
87) Benzo(b)fluoranthene	15.05	252	38410	7.243	ng	# 96
88) Benzo(k)fluoranthene	15.05	252	38410	7.351	ng	98
89) Benzo(a)pyrene	15.42	252	20901	4.335	ng	# 94
91) Benzo(g,h,i)perylene	17.40	276	11117	2.775	ng	94

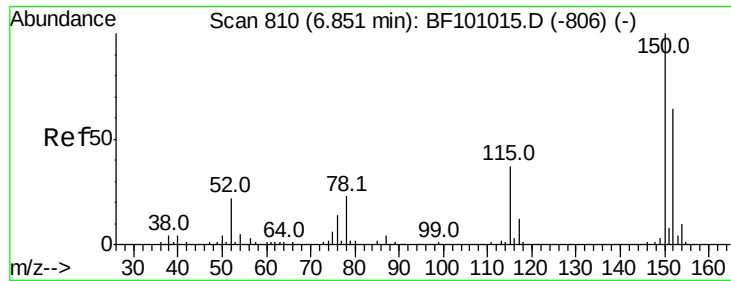
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101253.D
Acq On : 8 Dec 2017 23:07
Operator : SJ/JU
Sample : I6717-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 09 01:05:01 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



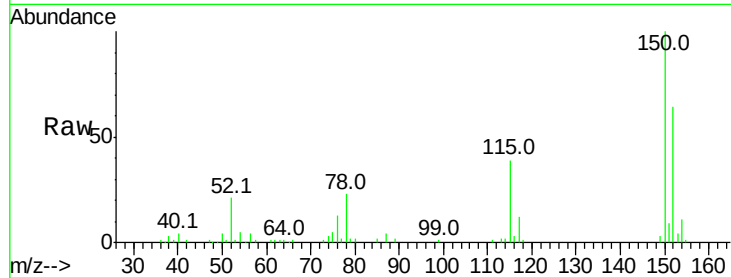


#1

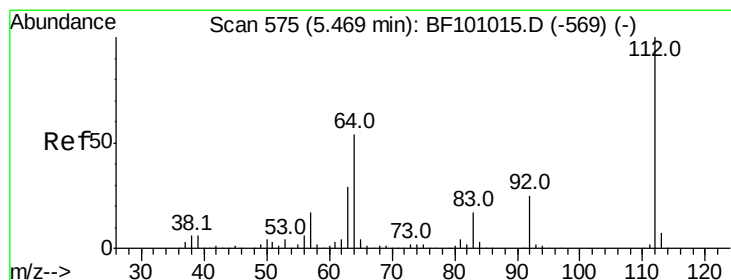
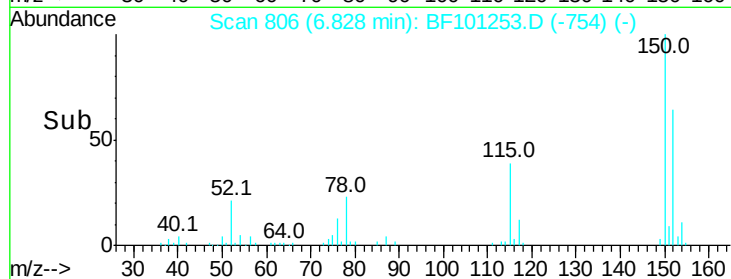
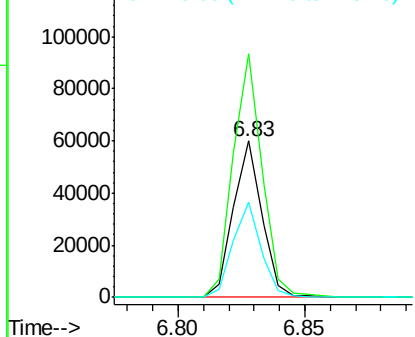
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46934
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 60.7 50.1 75.1



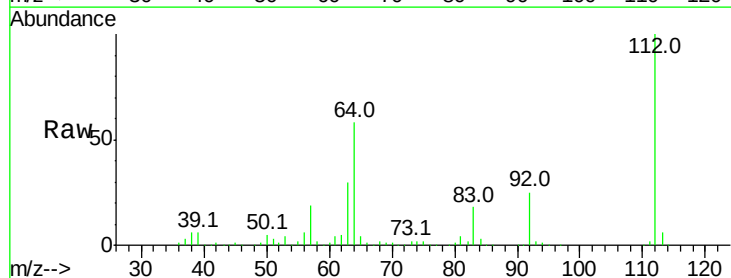
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



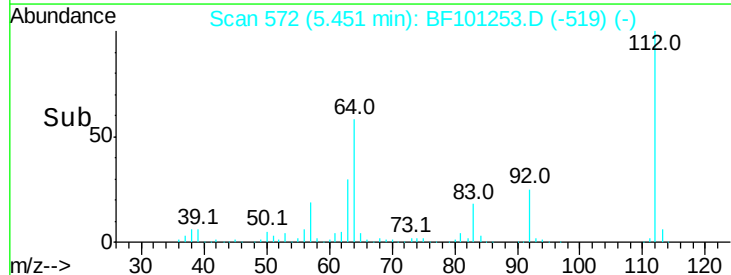
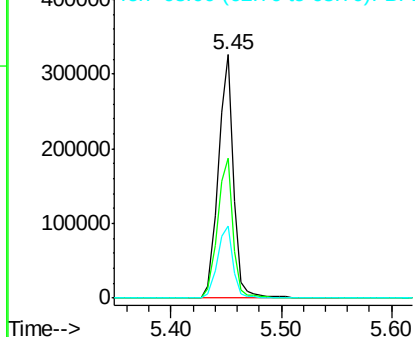
#5

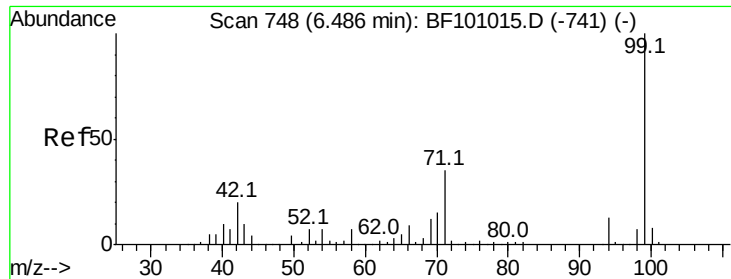
2-Fluorophenol
Concen: 109.974 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion:112 Resp: 312356
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 29.5 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: 109.218 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_F

ClientSampled :

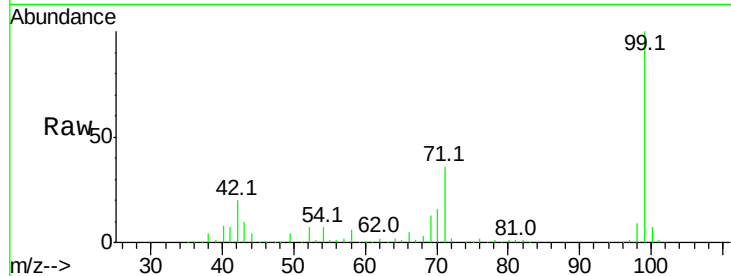
Tot Ion: 99 Resp: 376626

Ion Ratio Lower Upper

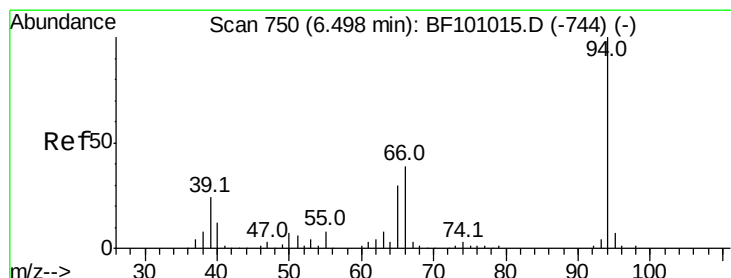
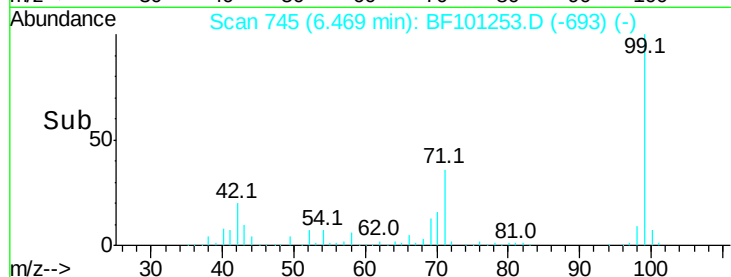
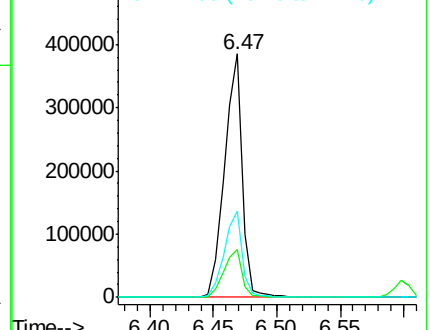
99 100

42 19.6 14.5 21.7

71 35.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.362 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

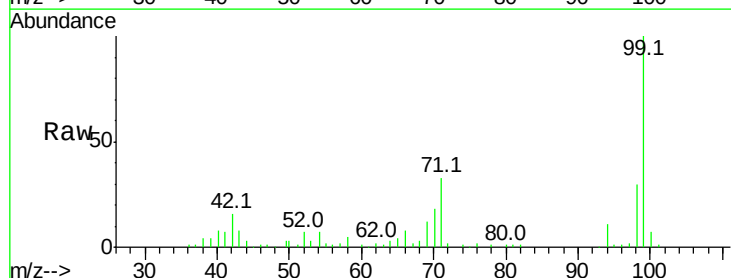
Tgt Ion: 94 Resp: 9055

Ion Ratio Lower Upper

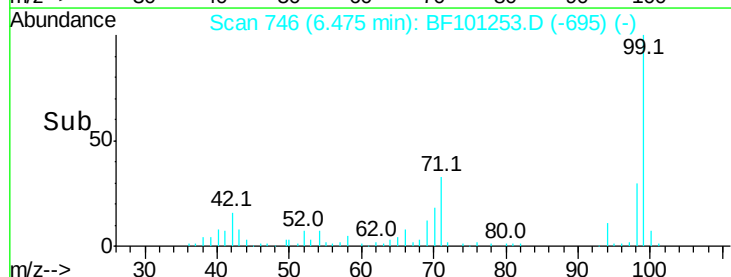
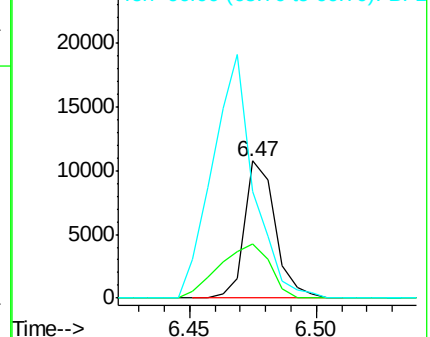
94 100

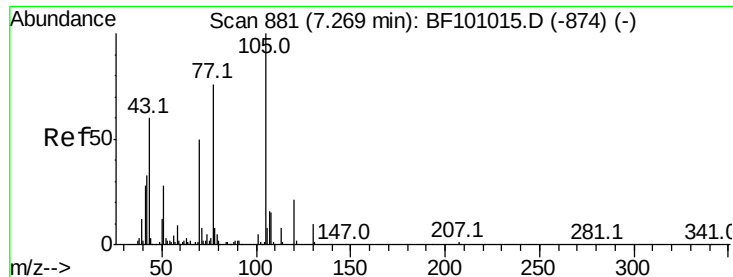
65 40.0 7.9 47.9

66 78.1 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: 12.418 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101253.D

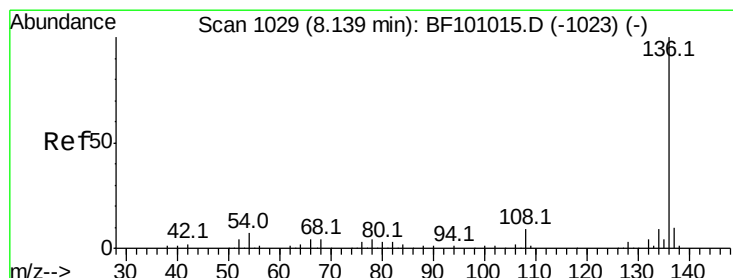
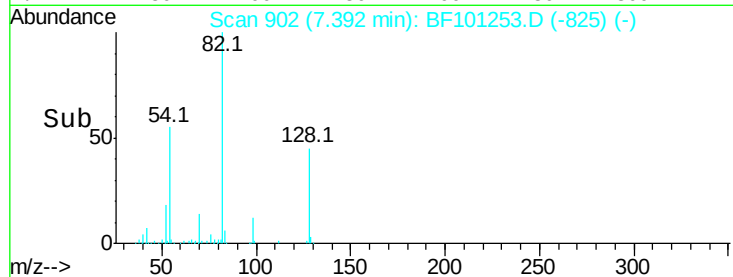
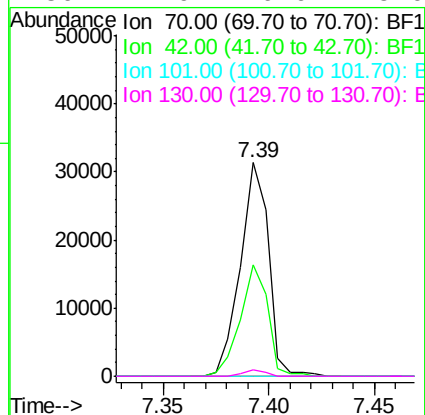
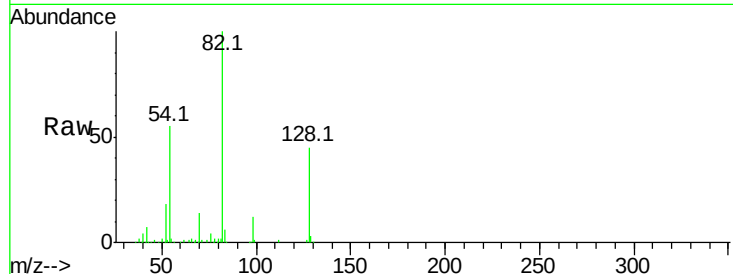
Acq: 8 Dec 2017 23:07

Instrument :

BNA_F

ClientSampled :

Tot Ion:	70	Resp:	28838
Ion	Ratio	Lower	Upper
70	100		
42	52.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.9	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

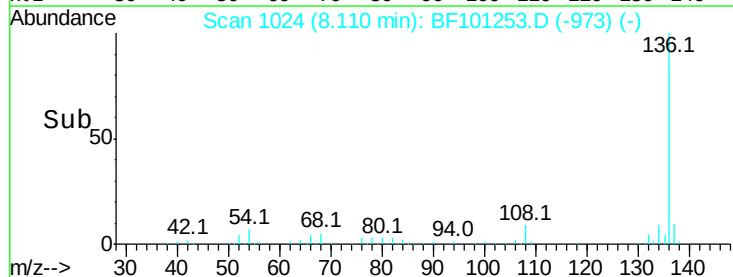
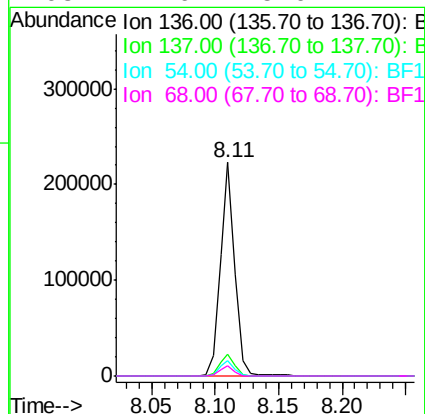
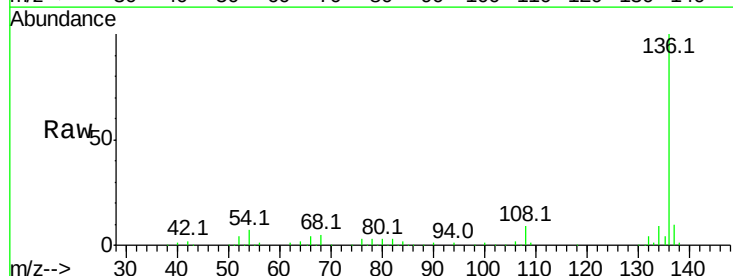
RT: 8.11 min Scan# 1024

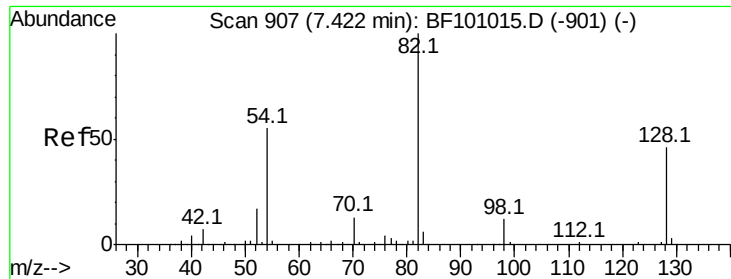
Delta R.T. 0.00 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

Tgt Ion:	136	Resp:	178226
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.5	6.6	9.8
68	4.6	5.0	7.4#

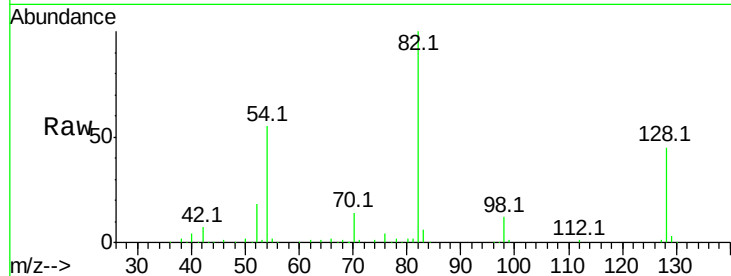




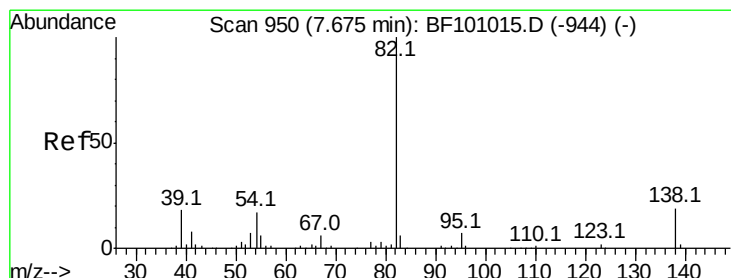
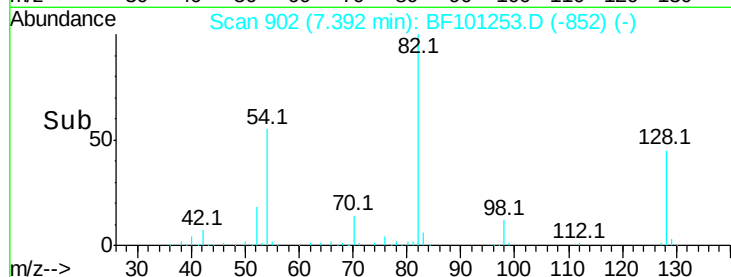
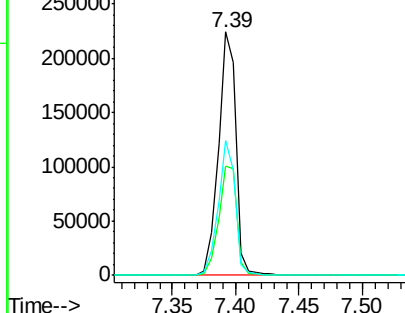
#23
Nitrobenzene-d5
Concen: 73.207 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 218721
Ion Ratio Lower Upper
82 100
128 45.1 36.1 54.1
54 55.3 41.4 62.2

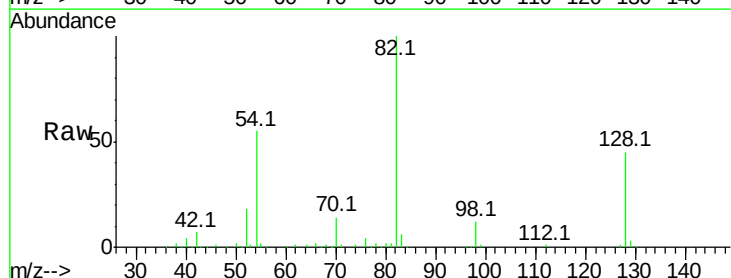


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

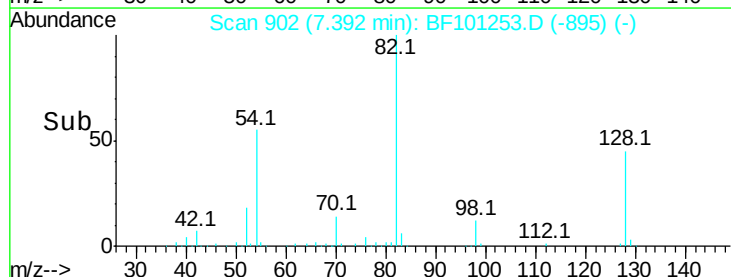
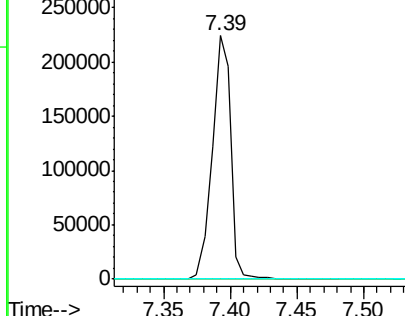


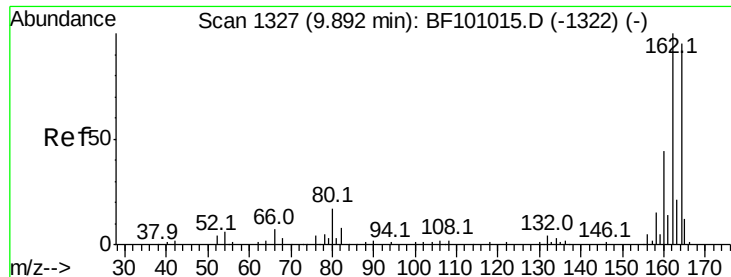
#25
Isophorone
Concen: 42.858 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion: 82 Resp: 218719
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

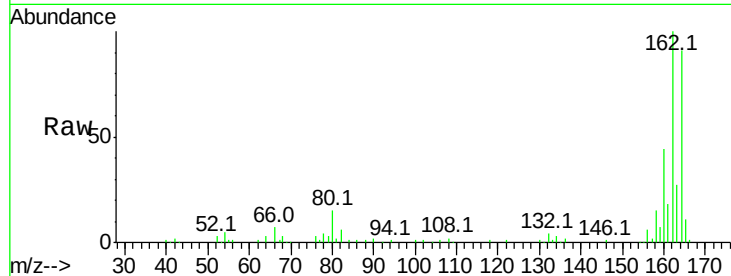




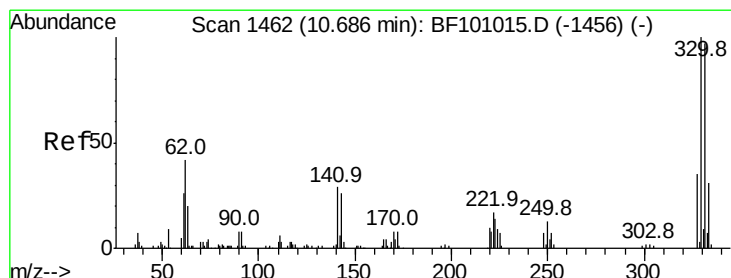
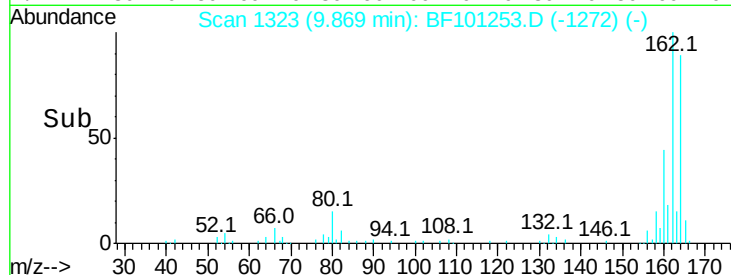
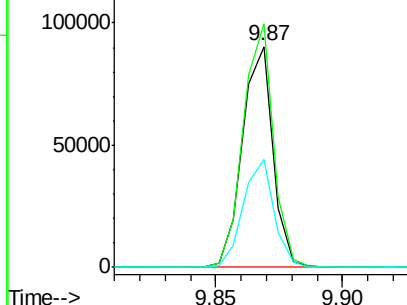
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 75536
Ion Ratio Lower Upper
164 100
162 110.1 86.1 129.1
160 48.7 38.3 57.5

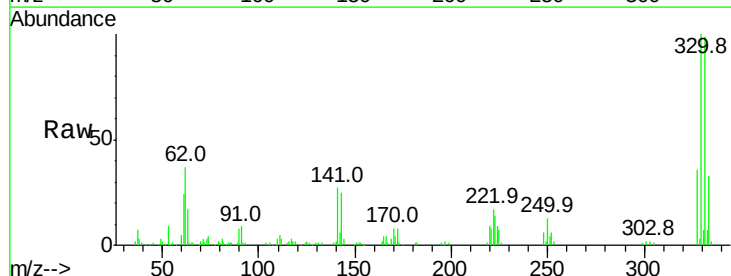


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

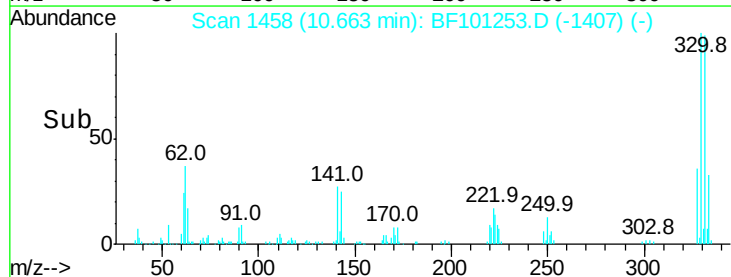
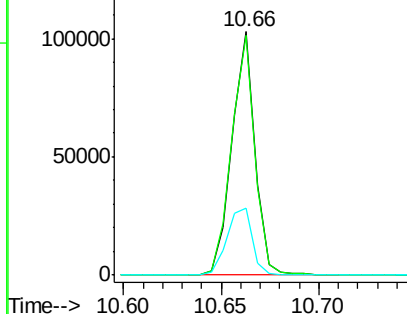


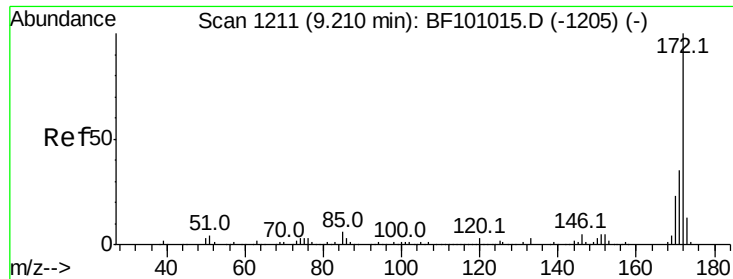
#41
2,4,6-Tribromophenol
Concen: 92.970 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion:330 Resp: 84361
Ion Ratio Lower Upper
330 100
332 99.4 77.0 115.6
141 30.2 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

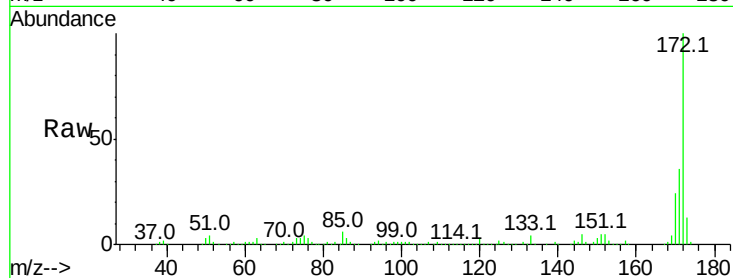




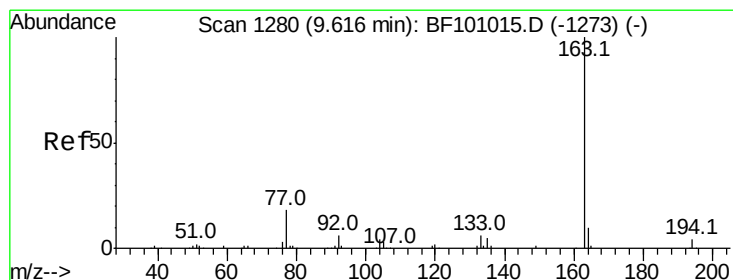
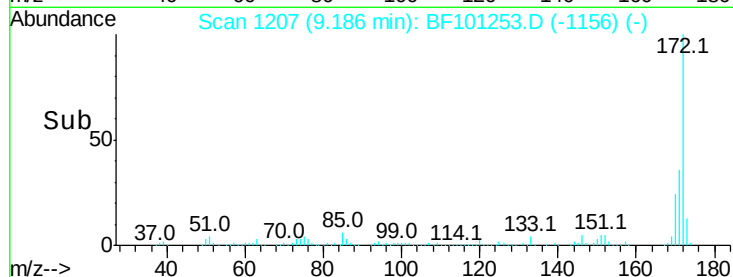
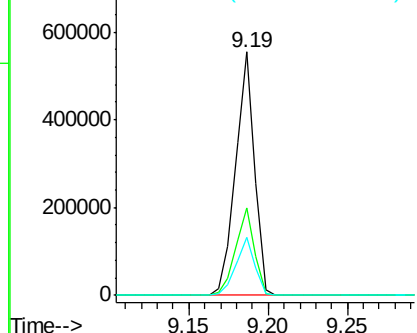
#44
2-Fluorobiphenyl
Concen: 83.193 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 459296
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.8 19.6 29.4

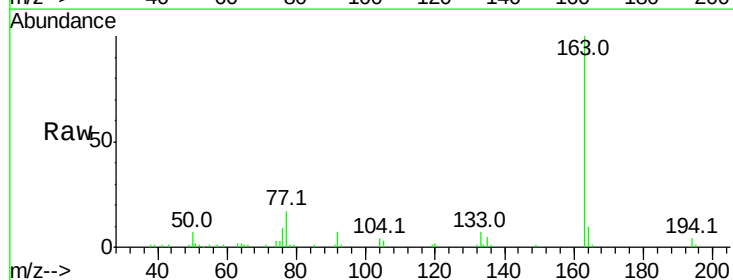


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

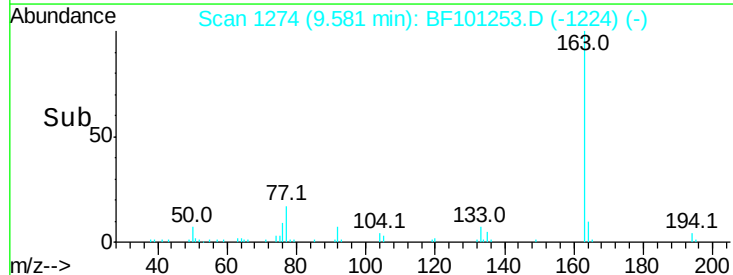
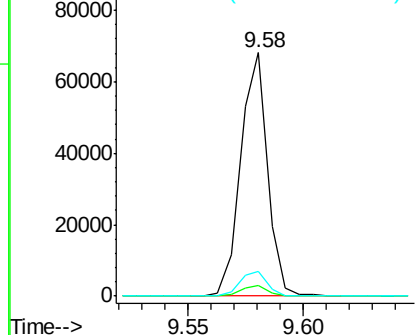


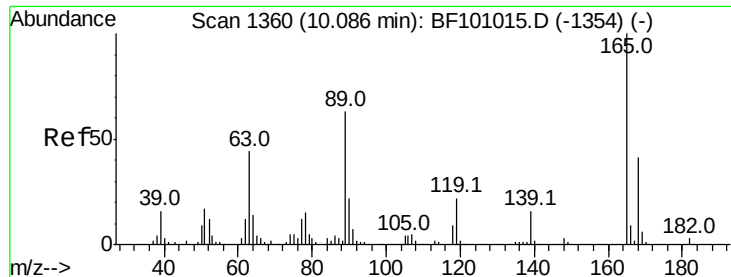
#49
Dimethylphthalate
Concen: 9.074 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion:163 Resp: 55277
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 10.4 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

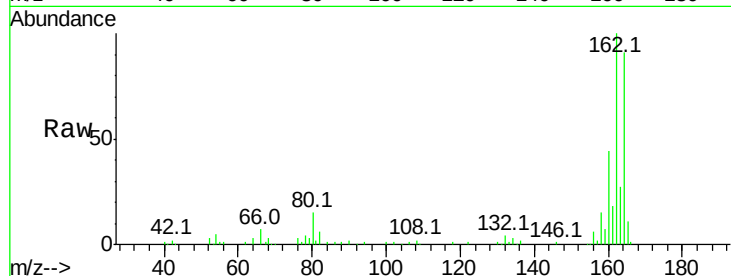




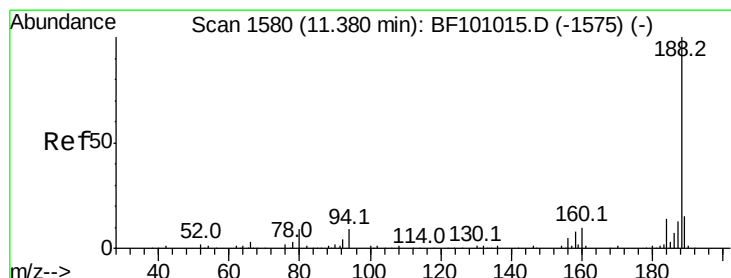
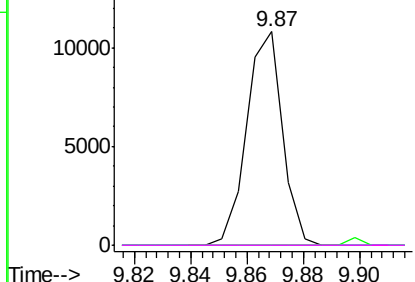
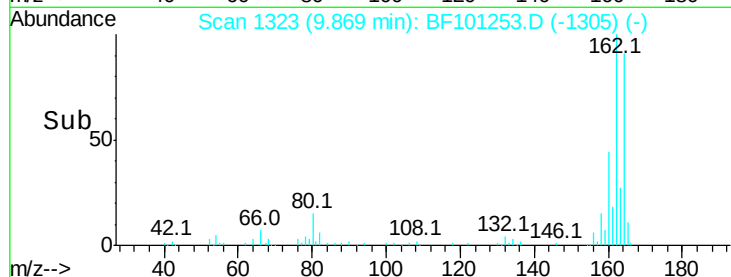
#56
 2,4-Dinitrotoluene
 Concen: 5.512 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 9478
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

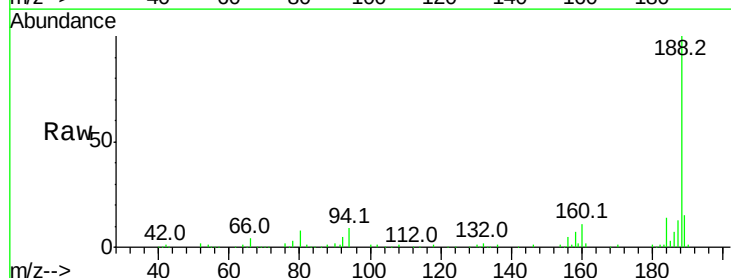


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

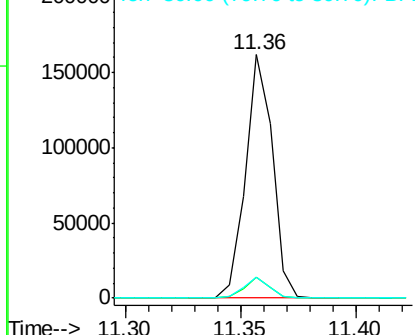
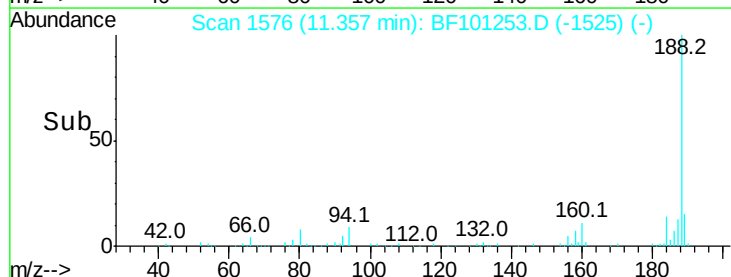


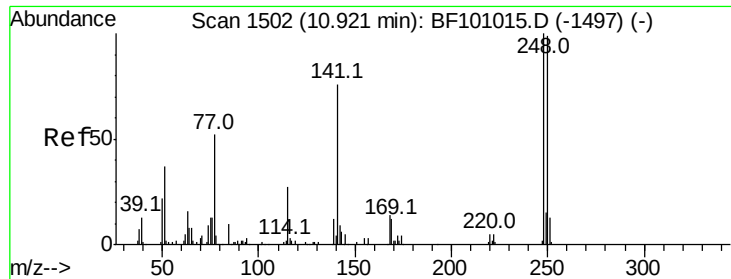
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Tgt Ion:188 Resp: 132094
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 8.5 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

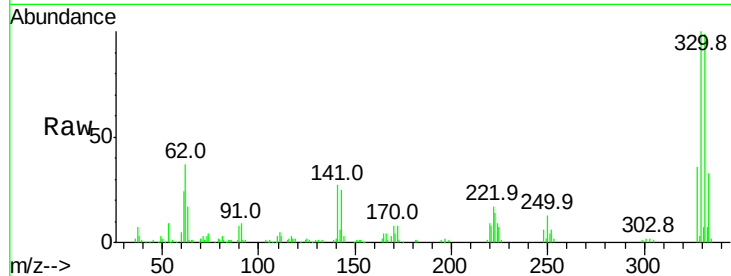




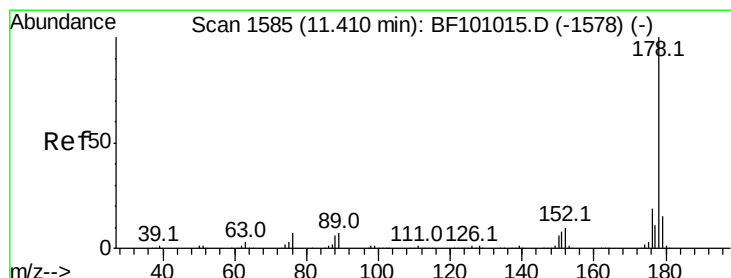
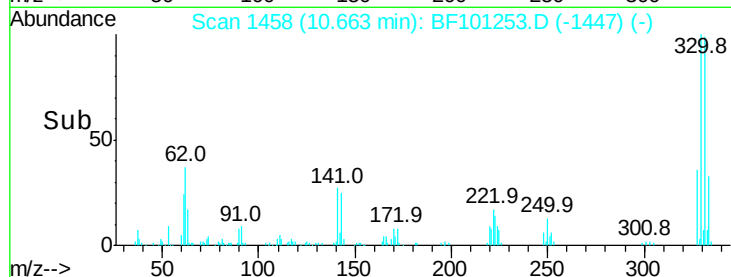
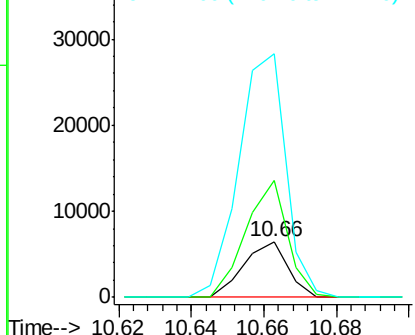
#66
 4-Bromophenyl-phenylether
 Concen: 3.663 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5416
 Ion Ratio Lower Upper
 248 100
 250 209.3 76.9 115.3#
 141 437.0 74.4 111.6#

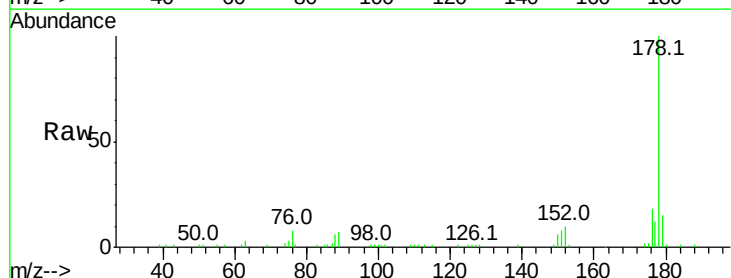


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

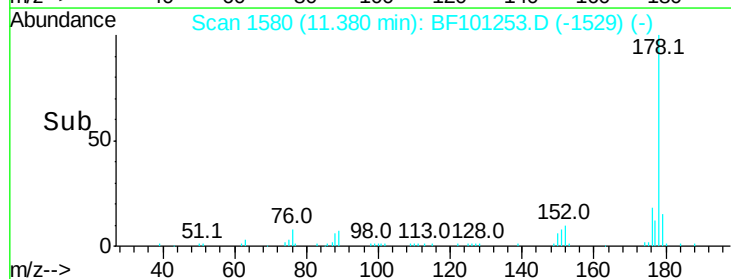
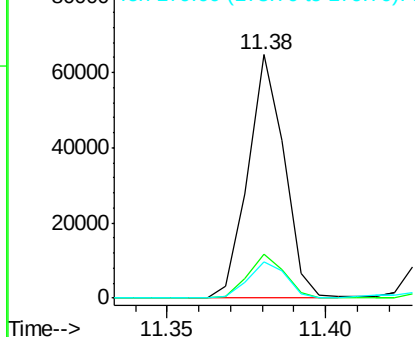


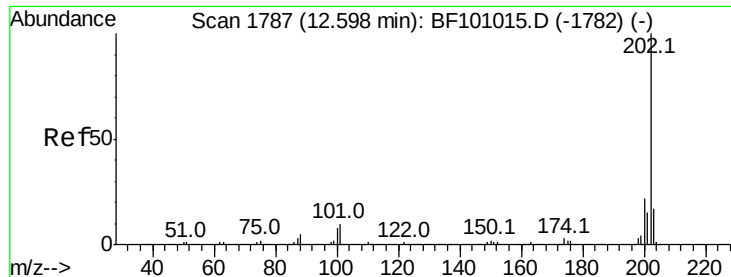
#70
 Phenanthrene
 Concen: 7.018 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Tgt Ion:178 Resp: 51050
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.8 23.8
 179 15.0 13.0 19.6



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





#74

Fluoranthene

Concen: 8.447 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_F

ClientSampleId :

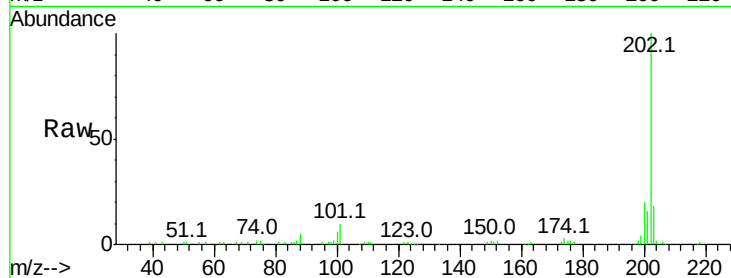
Tot Ion:202 Resp: 68109

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

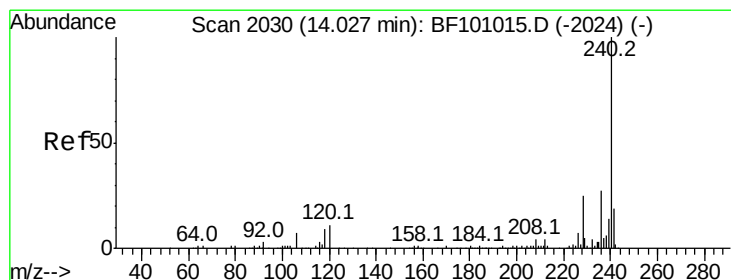
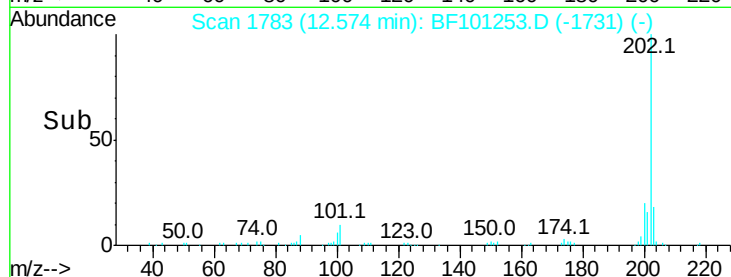
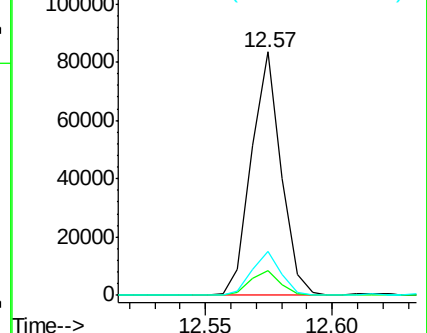
203 18.0 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

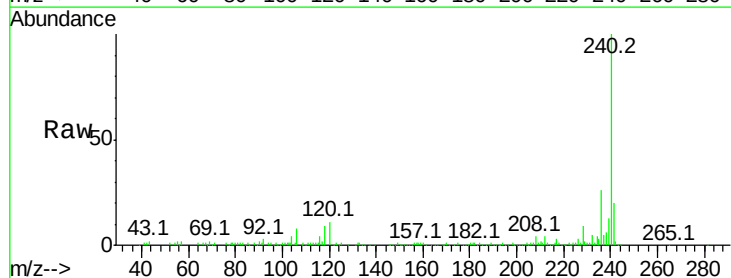
Tgt Ion:240 Resp: 102379

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

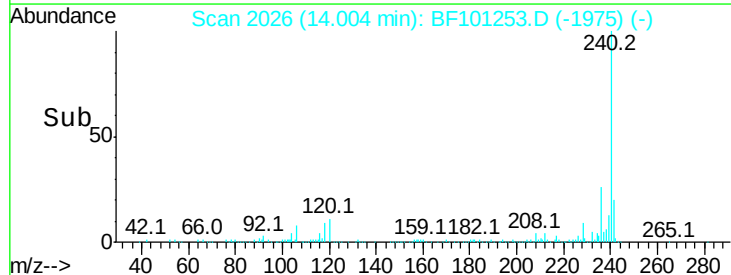
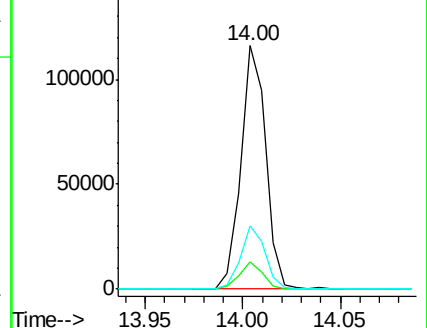
236 25.8 20.7 31.1

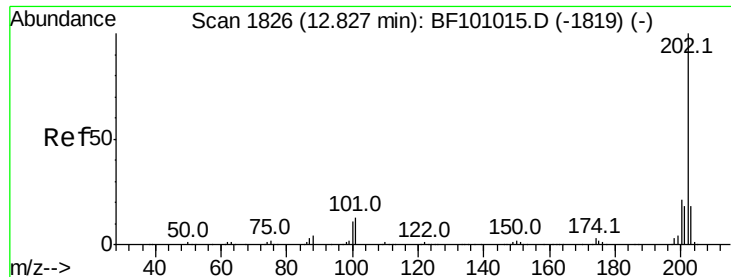


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

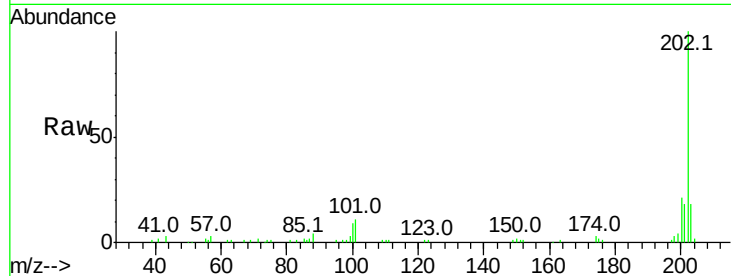




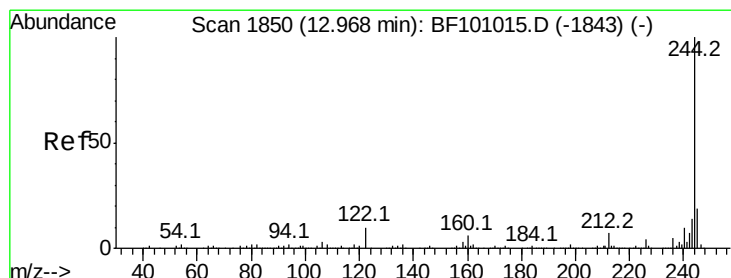
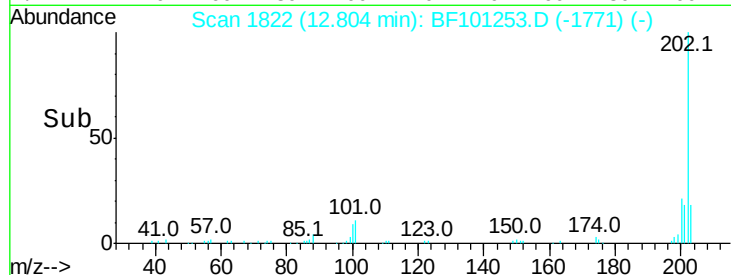
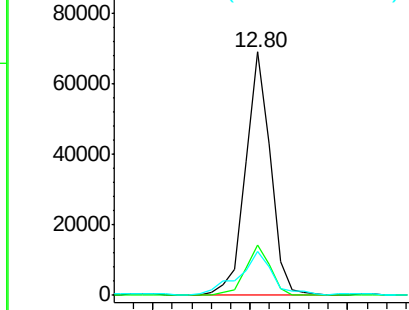
#77
 Pvrene
 Concen: 8.657 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.1	14.3	21.5

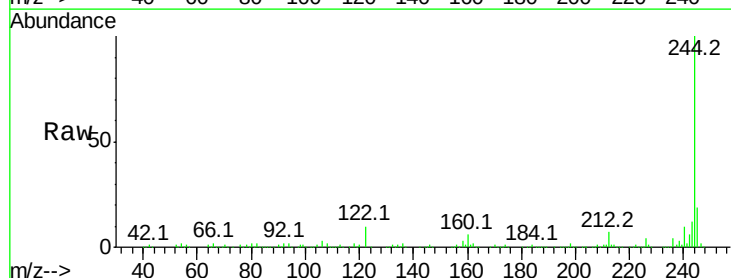


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

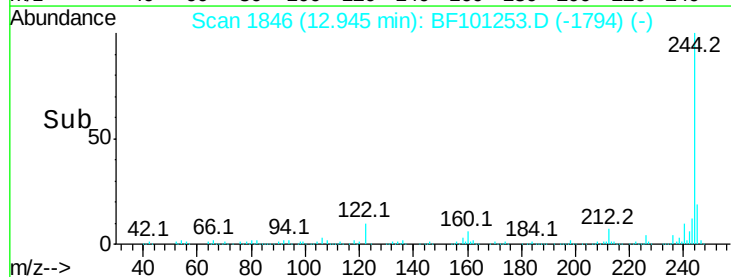
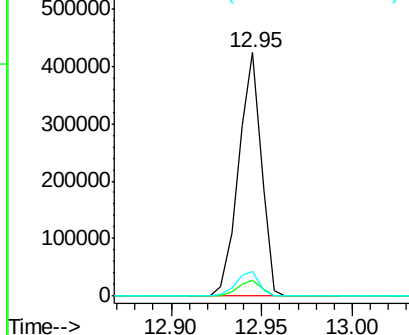


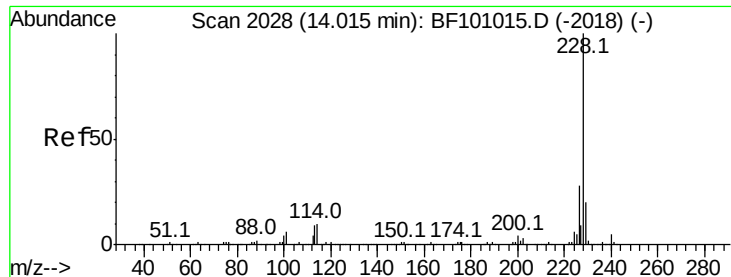
#78
 Terphenyl-d14
 Concen: 78.490 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	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

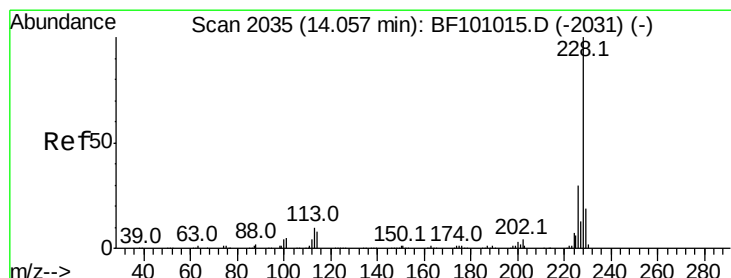
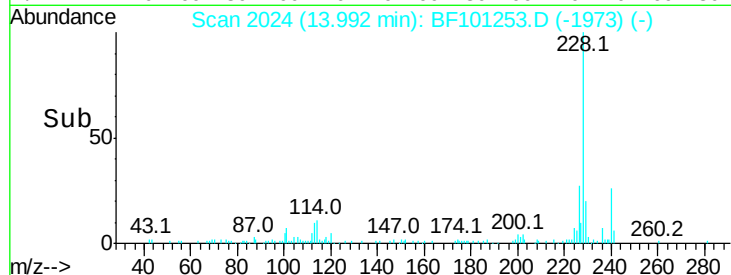
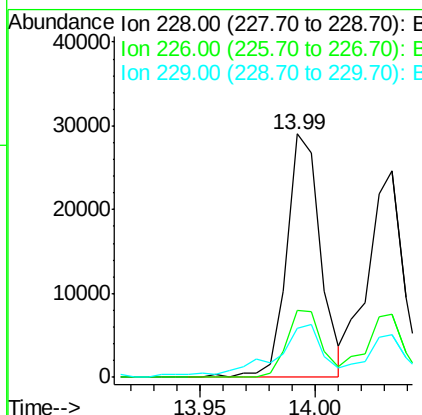
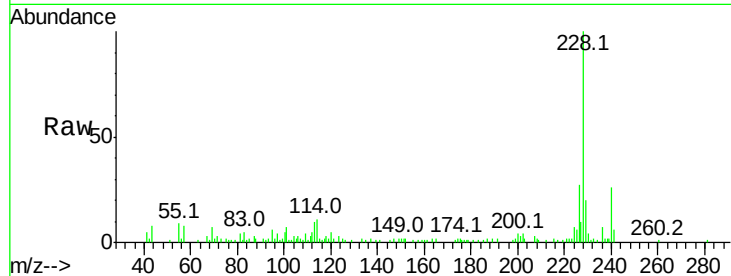




#80
Benzo(a)anthracene
Concen: 4.535 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

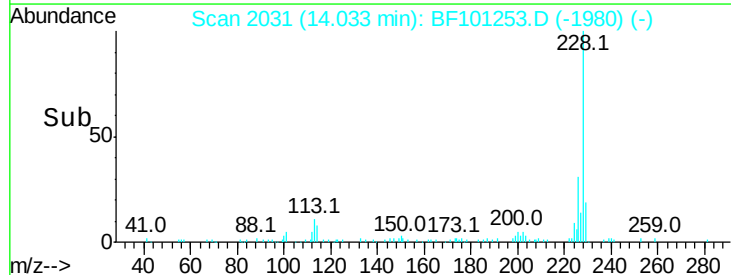
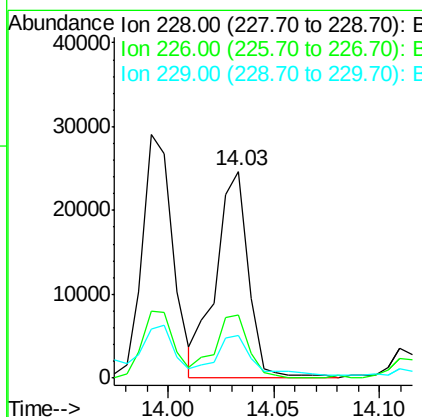
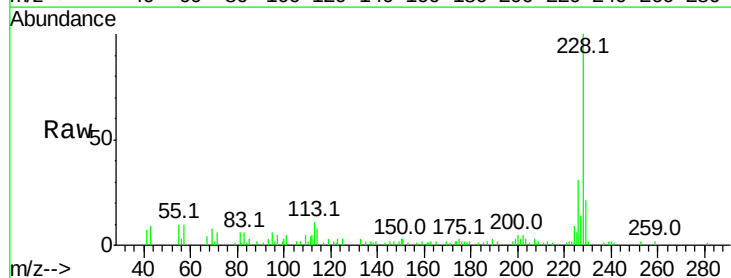
Instrument :
BNA_F
ClientSampleId :

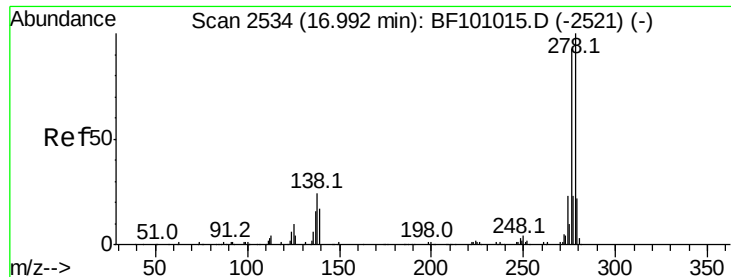
Tot Ion:228 Resp: 29314
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 4.408 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion:228 Resp: 26461
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 20.8 16.2 24.4

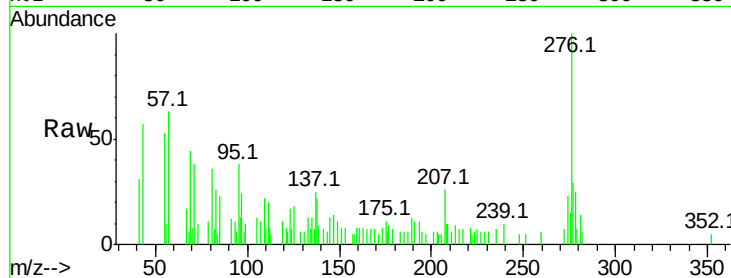




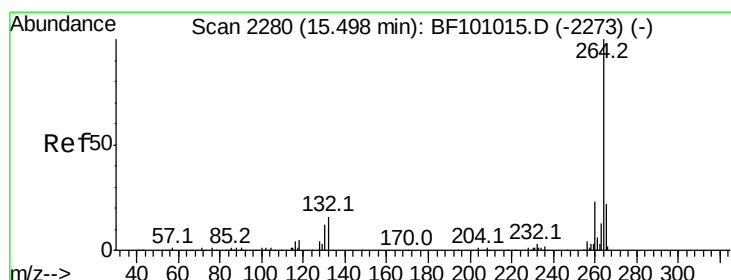
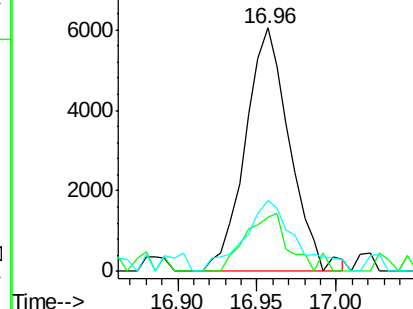
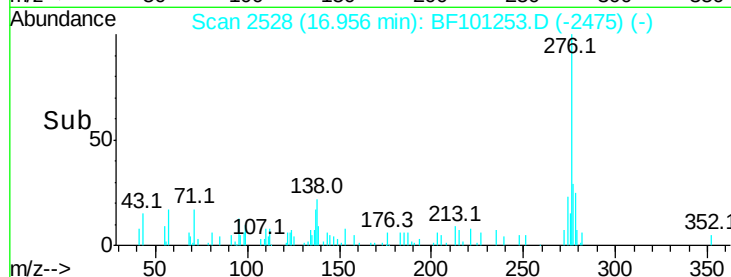
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.207 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 11780
 Ion Ratio Lower Upper
 276 100
 138 23.8 25.0 37.6#
 277 33.7 20.1 30.1#

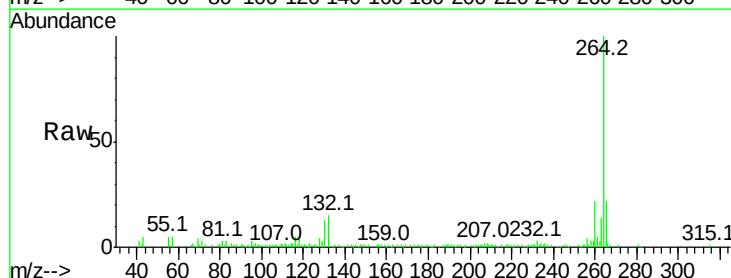


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

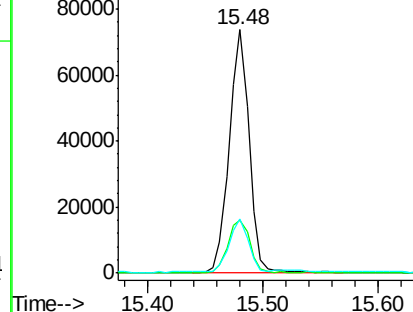
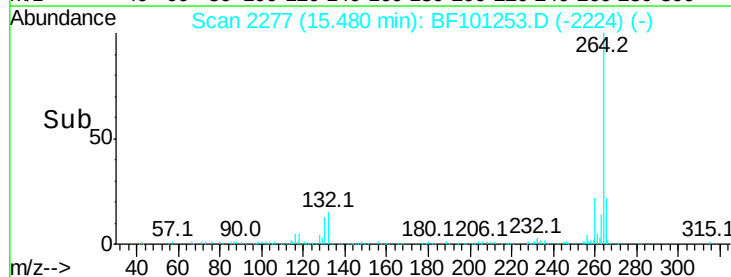


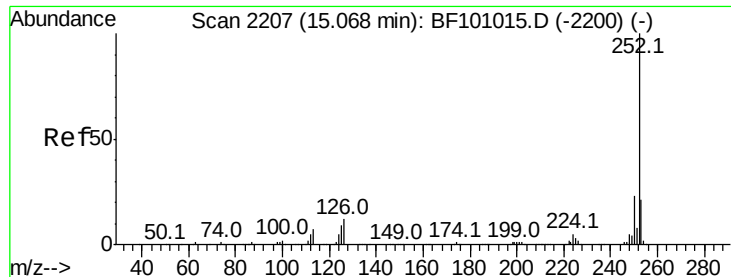
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF101253.D
 Acq: 8 Dec 2017 23:07

Tgt Ion:264 Resp: 88541
 Ion Ratio Lower Upper
 264 100
 260 21.5 19.2 28.8
 265 22.2 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: 7.243 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

Instrument :

BNA_F

ClientSampleId :

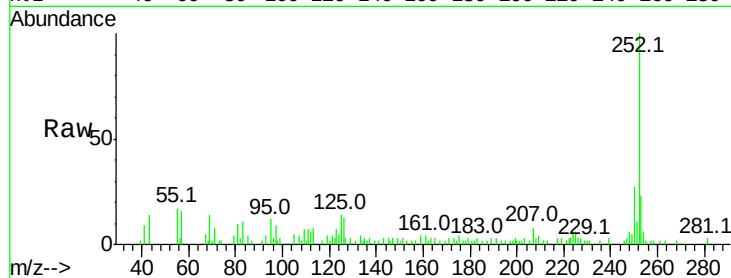
Tot Ion:252 Resp: 38410

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

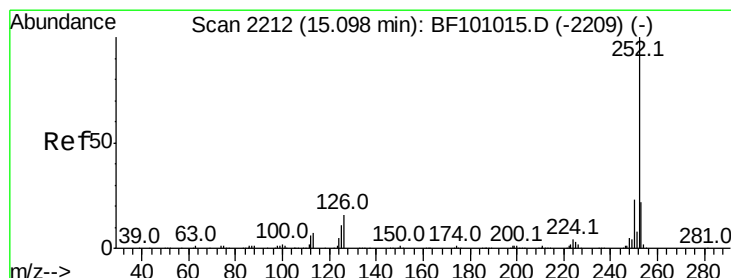
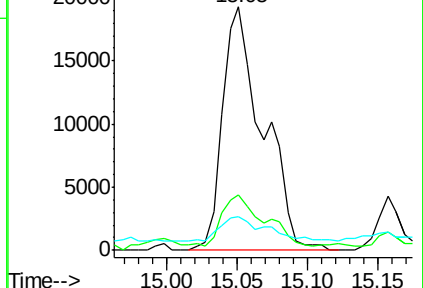
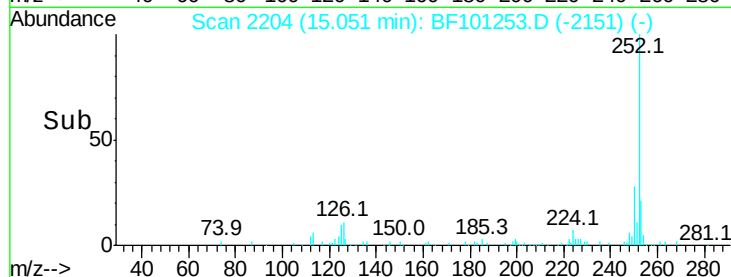
125 13.9 9.0 13.6#



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: 7.351 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF101253.D

Acq: 8 Dec 2017 23:07

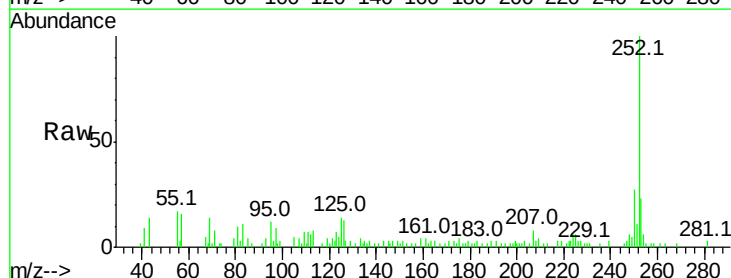
Tgt Ion:252 Resp: 38410

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

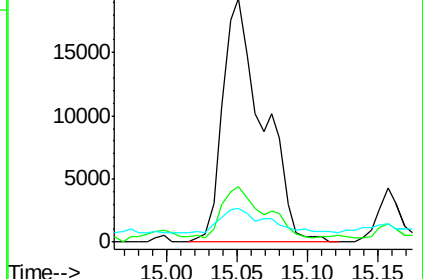
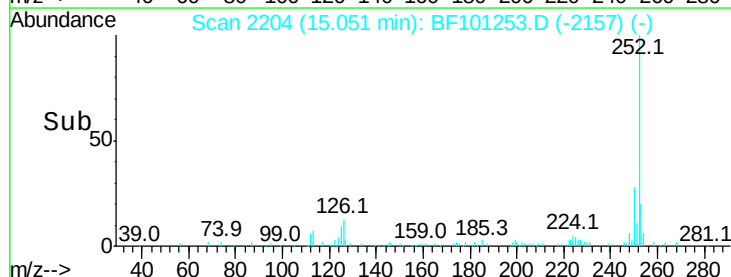
125 13.9 10.2 15.2

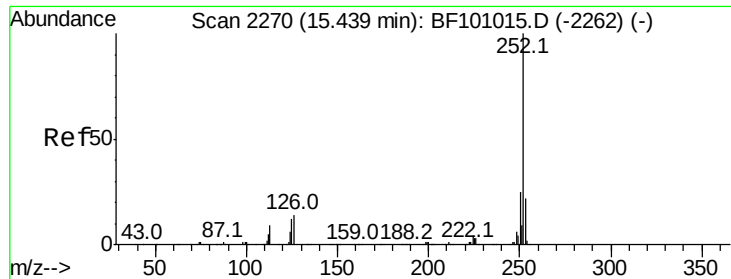


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

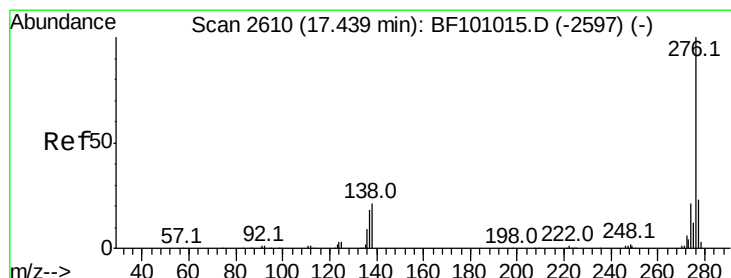
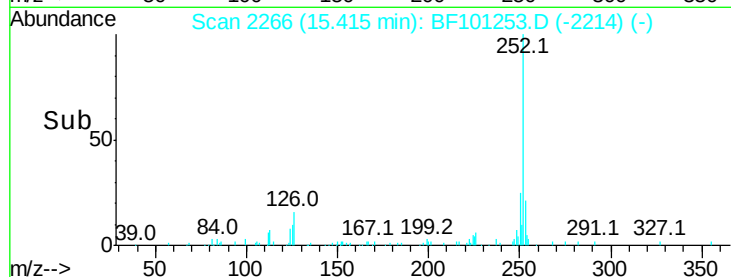
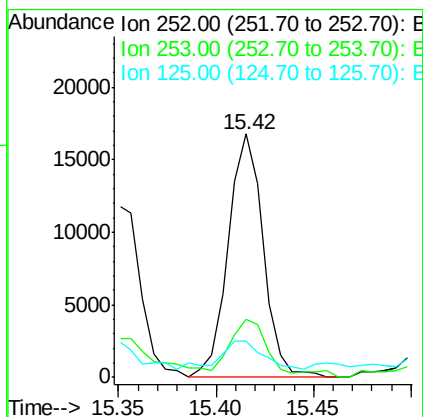
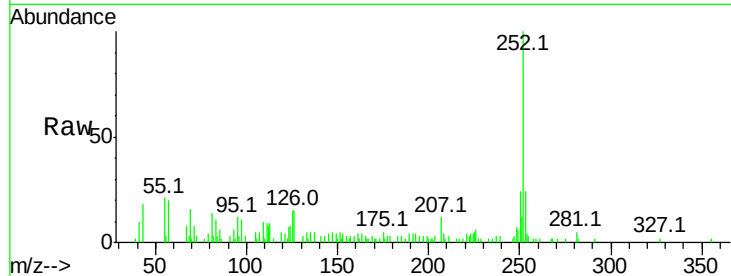




#89
Benzo(a)pyrene
Concen: 4.335 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 20901
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 14.8 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.775 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF101253.D
Acq: 8 Dec 2017 23:07

Tgt Ion:276 Resp: 11117
Ion Ratio Lower Upper
276 100
277 24.5 17.9 26.9
138 30.7 21.8 32.8

