

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101801.D
 Acq On : 28 Dec 2017 14:43
 Operator : SJ/JU
 Sample : I6970-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 15:32:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	165607	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	625587	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	242449	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	363003	20.00	ng	0.00
75) Chrysene-d12	13.97	240	295722	20.00	ng	0.00
86) Perylene-d12	15.44	264	283863	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1103014	99.21	ng	0.00
7) Phenol-d6	6.43	99	1305261	94.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	804068	71.55	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	217387	93.05	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1227165	78.52	ng	0.00
78) Terphenyl-d14	12.90	244	869479	70.88	ng	0.00

Target Compounds

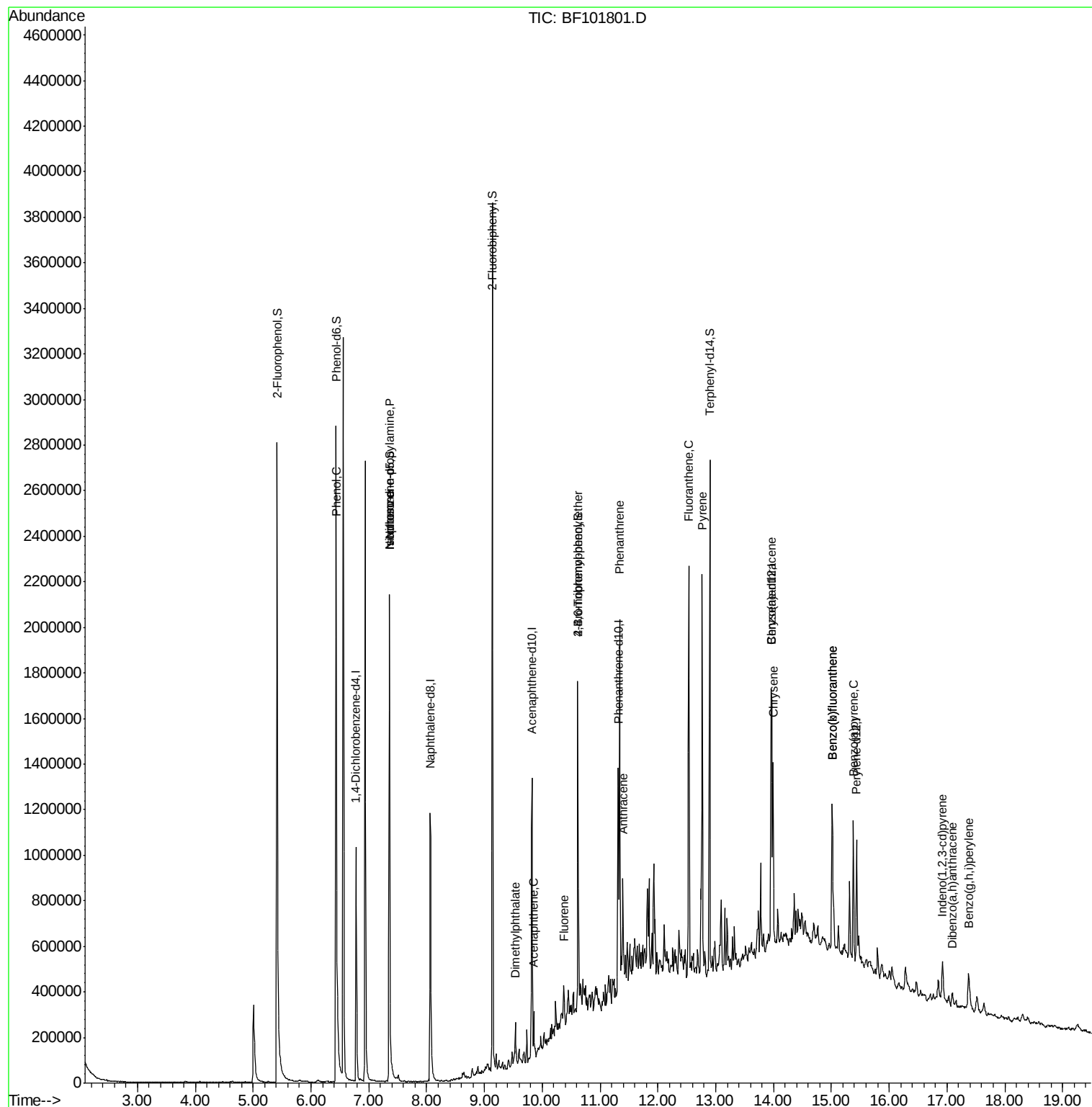
						Qvalue
10) Phenol	6.45	94	56073	3.556	ng	# 73
19) n-Nitroso-di-n-propylamine	7.36	70	106366	11.706	ng	# 80
25) Isophorone	7.36	82	804068	35.665	ng	# 64
49) Dimethylphthalate	9.54	163	79767	4.090	ng	# 99
51) Acenaphthene	9.85	154	43608	2.793	ng	99
57) Fluorene	10.37	166	51033	3.041	ng	98
66) 4-Bromophenyl-phenylether	10.62	248	13195	3.235	ng	# 1
70) Phenanthrene	11.34	178	566188	28.047	ng	99
71) Anthracene	11.39	178	194556	9.435	ng	99
74) Fluoranthene	12.53	202	734054	34.643	ng	98
77) Pyrene	12.77	202	804914	36.267	ng	99
80) Benzo(a)anthracene	13.96	228	391401	20.044	ng	98
82) Chrysene	13.99	228	337010	18.279	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	137890	8.399	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	447498	25.864	ng	97
88) Benzo(k)fluoranthene	15.02	252	447498	26.601	ng	99
89) Benzo(a)pyrene	15.38	252	268724	16.848	ng	95
90) Dibenzo(a,h)anthracene	17.09	278	31031	2.266	ng	94
91) Benzo(a,h,i)perylene	17.37	276	131670	9.710	ng	95

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

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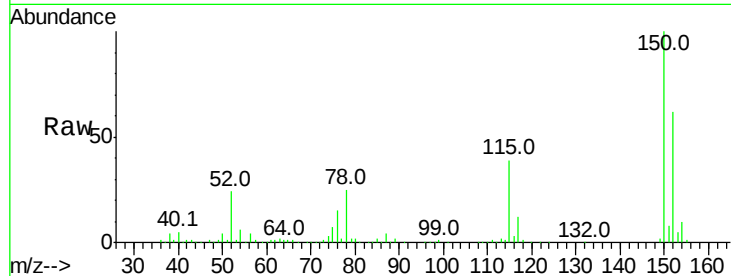


#1

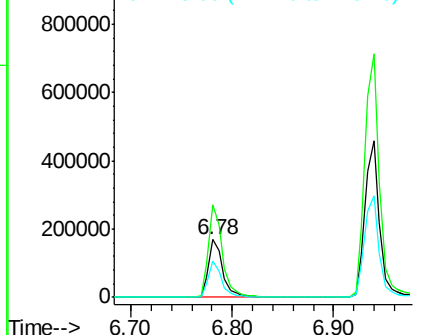
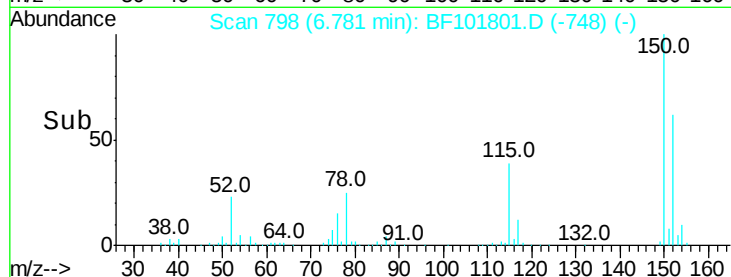
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 165607
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.6 186.8
 115 62.8 50.1 75.1



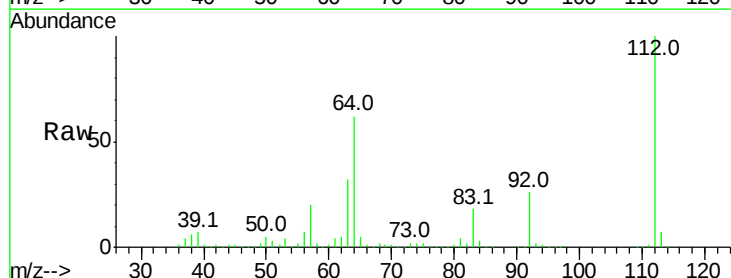
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



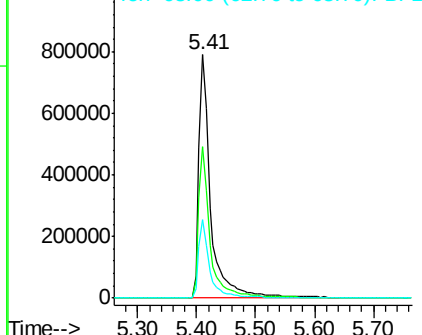
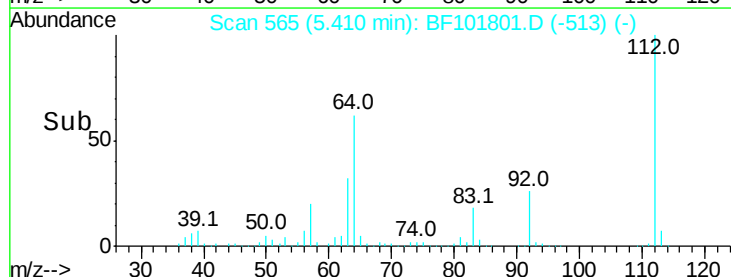
#5

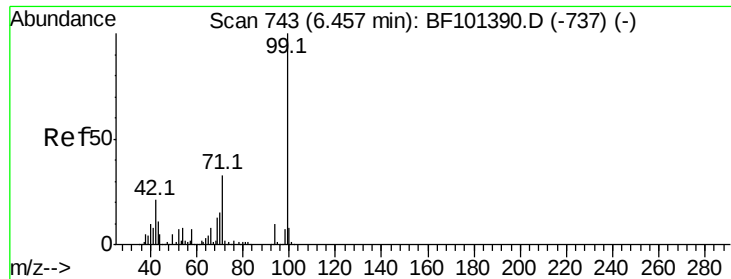
2-Fluorophenol
 Concen: 99.212 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Tgt Ion:112 Resp: 1103014
 Ion Ratio Lower Upper
 112 100
 64 62.0 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: 94.335 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

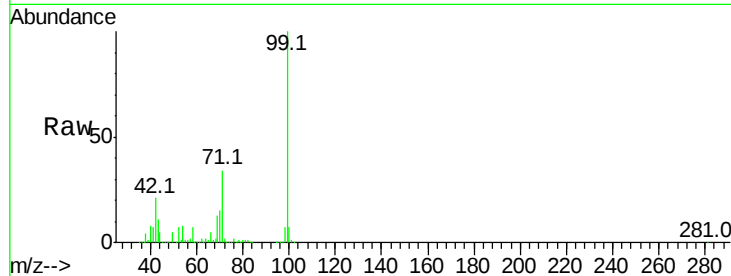
Tot Ion: 99 Resp: 1305261

Ion Ratio Lower Upper

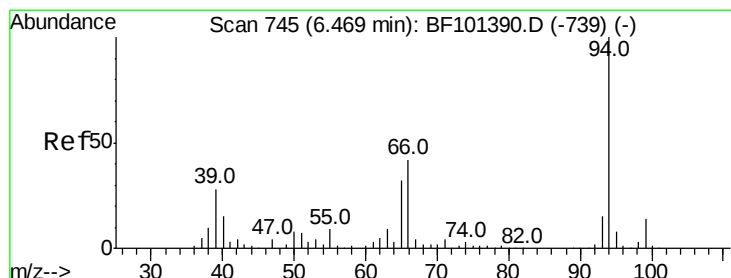
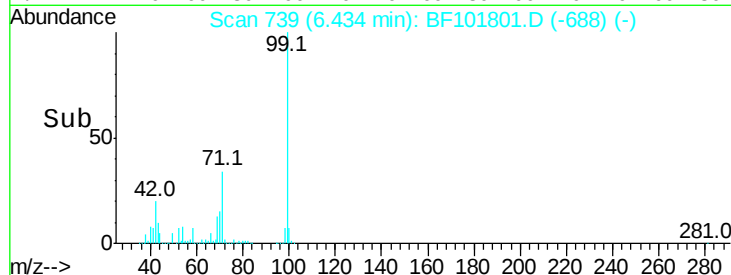
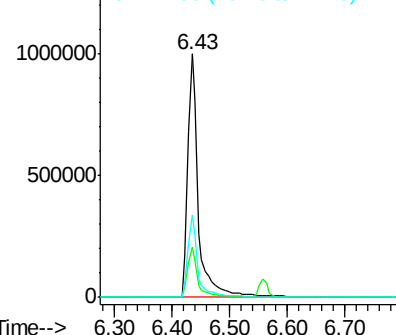
99 100

42 20.5 14.5 21.7

71 34.0 25.4 38.0



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



#10

Phenol

Concen: 3.556 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

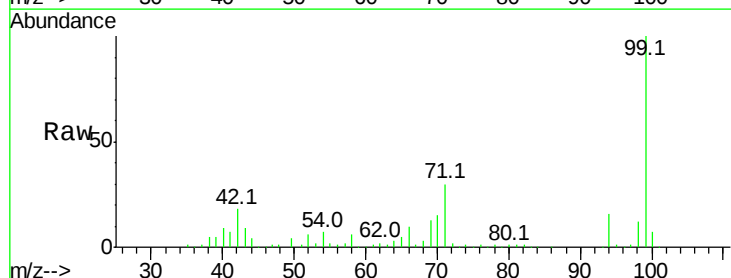
Tgt Ion: 94 Resp: 56073

Ion Ratio Lower Upper

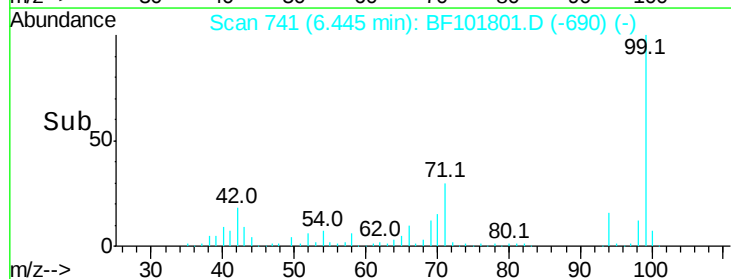
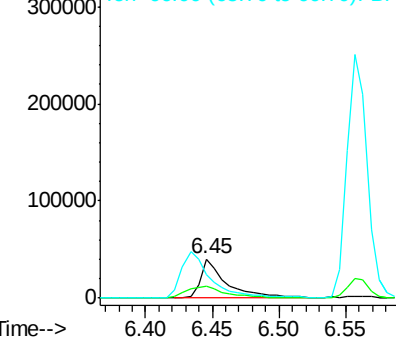
94 100

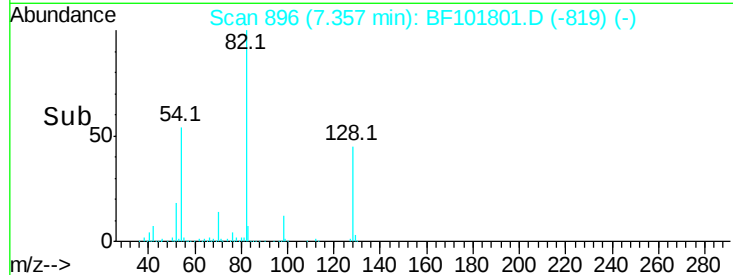
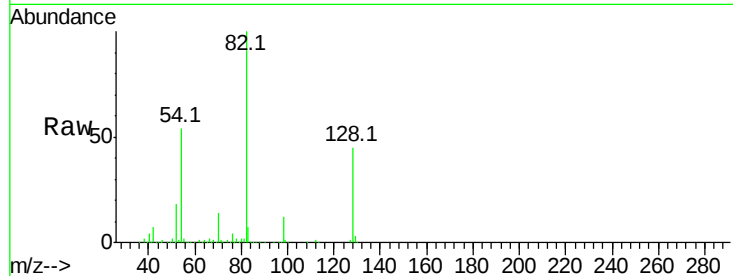
65 31.6 7.9 47.9

66 61.2 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: 11.706 ng

RT: 7.36 min Scan# 896

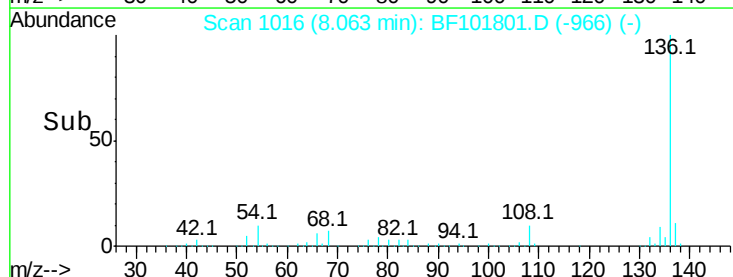
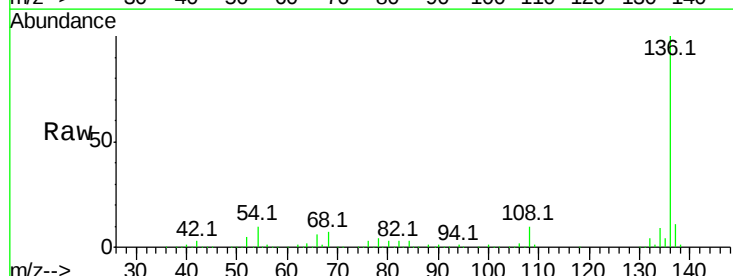
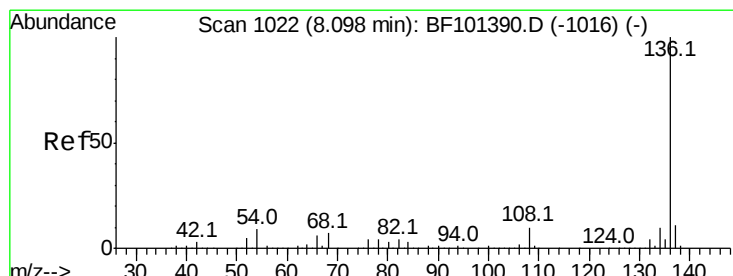
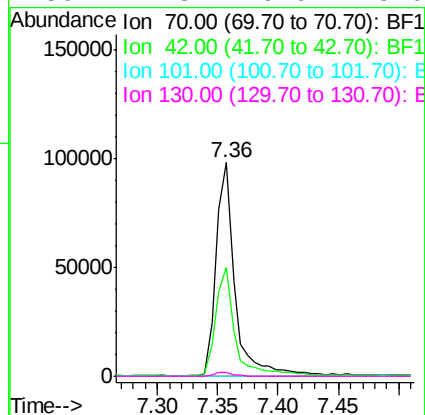
Delta R.T. 0.15 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	106366
Ion	Ratio	Lower	Upper
70	100		
42	50.8	47.5	71.3
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

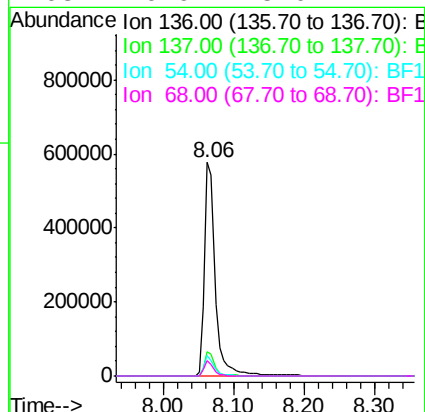
RT: 8.06 min Scan# 1016

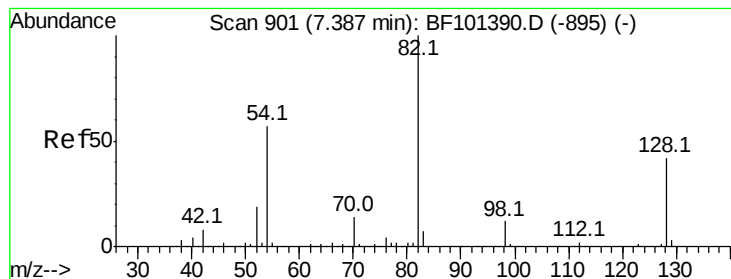
Delta R.T. -0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Tgt Ion:	136	Resp:	625587
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	6.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 71.547 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampled :

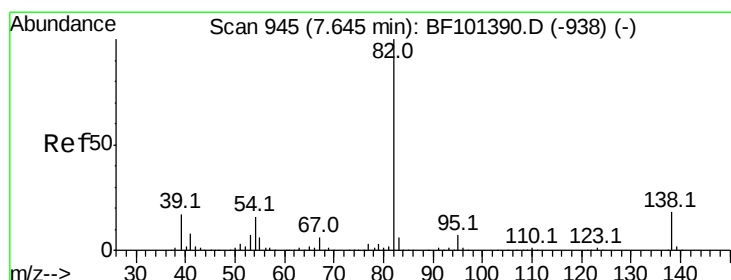
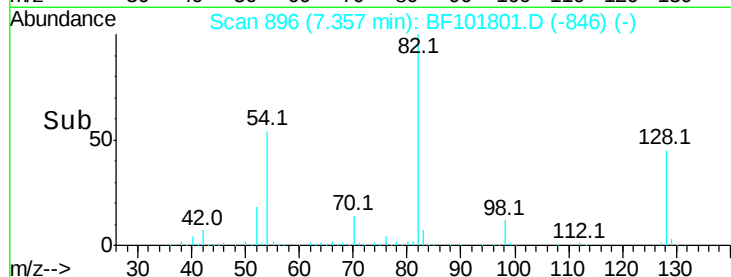
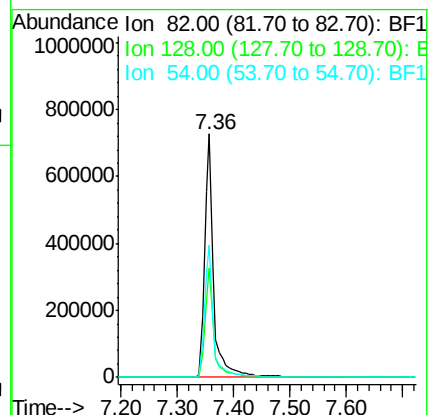
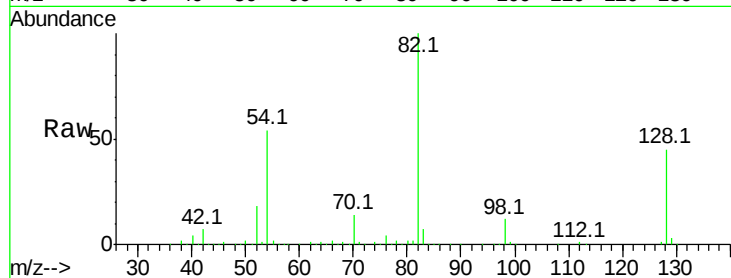
Tot Ion: 82 Resp: 804068

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

54 54.3 41.4 62.2



#25

Isophorone

Concen: 35.665 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

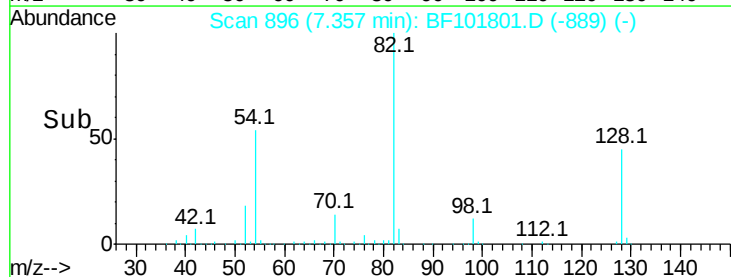
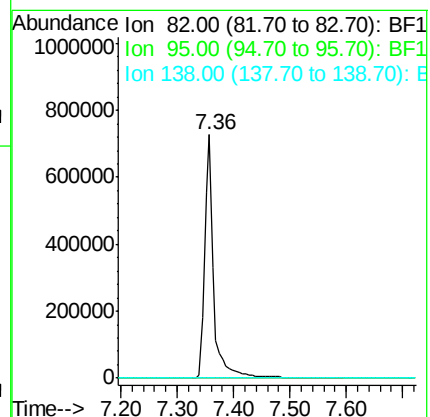
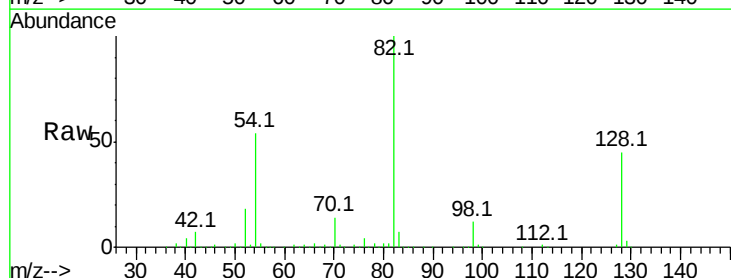
Tgt Ion: 82 Resp: 804068

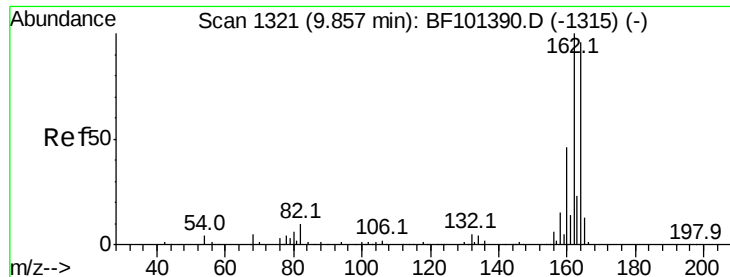
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

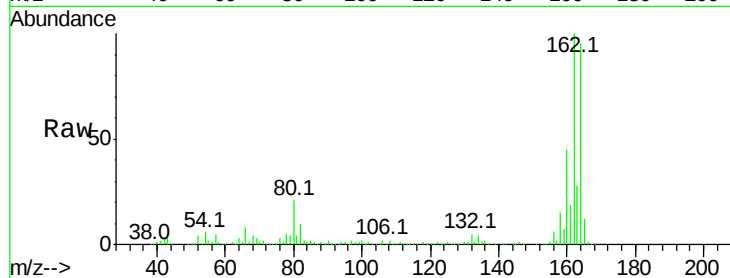




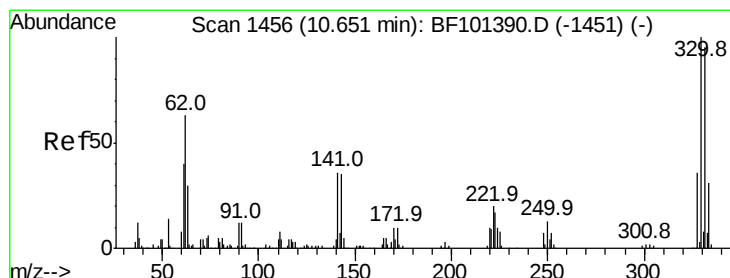
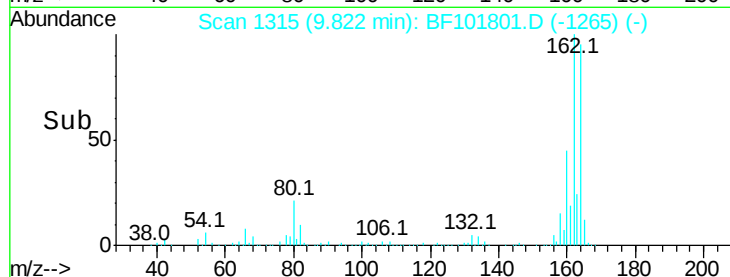
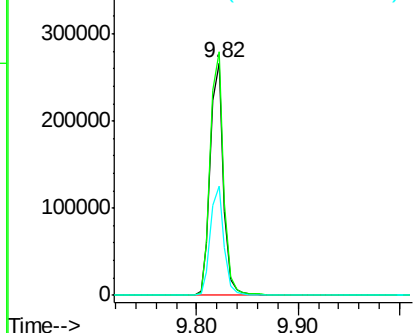
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	47.3	38.3	57.5

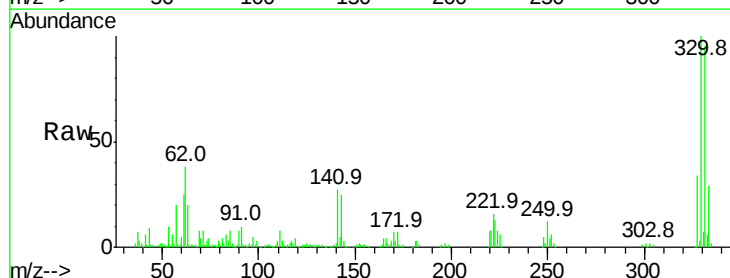


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

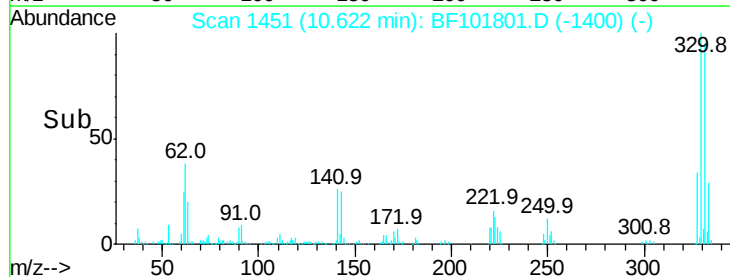
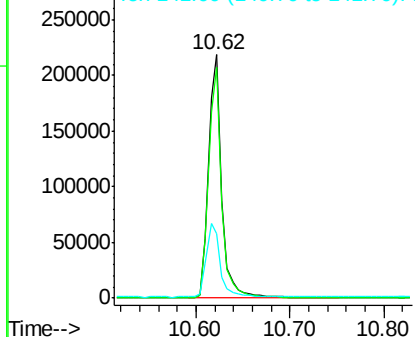


#41
 2,4,6-Tribromophenol
 Concen: 93.052 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	31.8	29.9	44.9



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

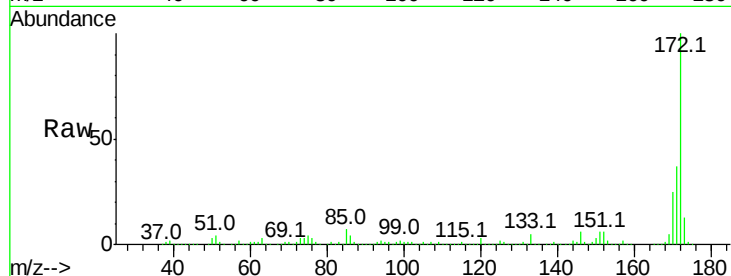




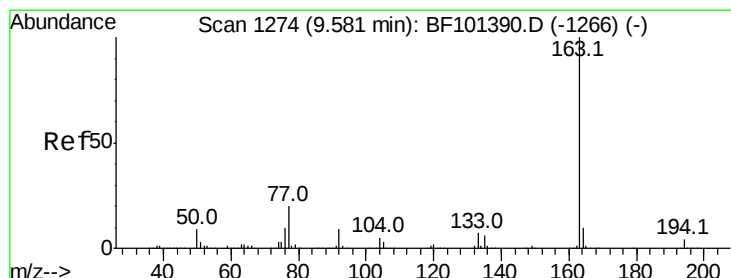
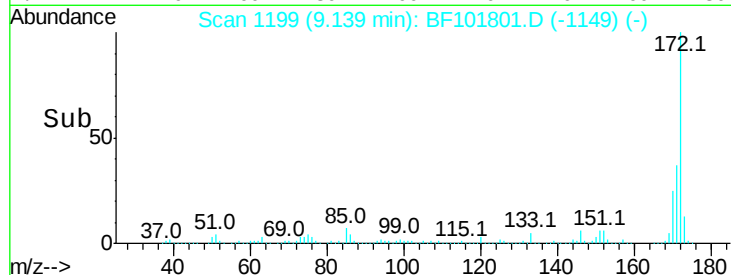
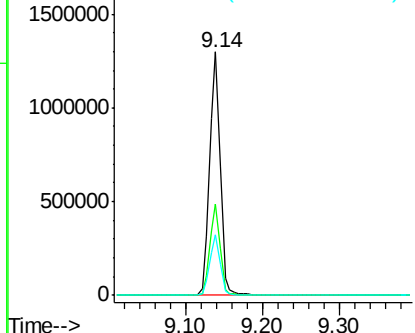
#44
2-Fluorobiphenyl
Concen: 78.517 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1227165
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.7 19.6 29.4

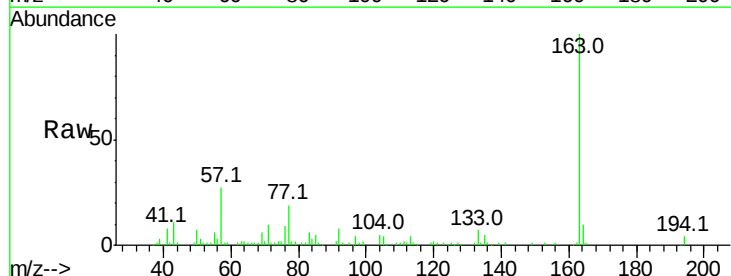


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

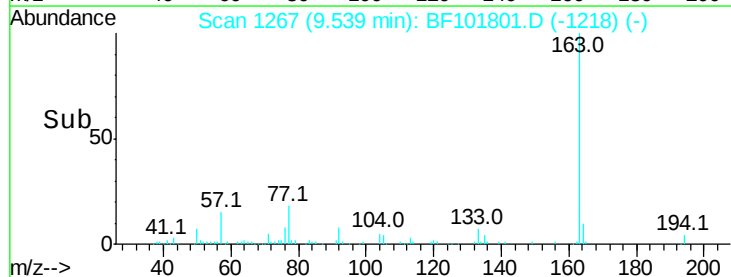
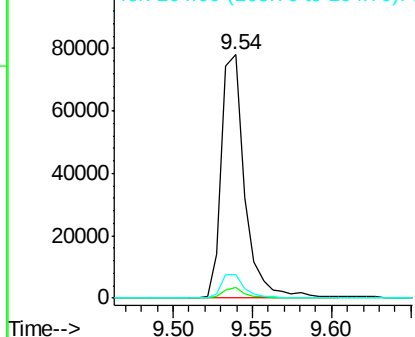


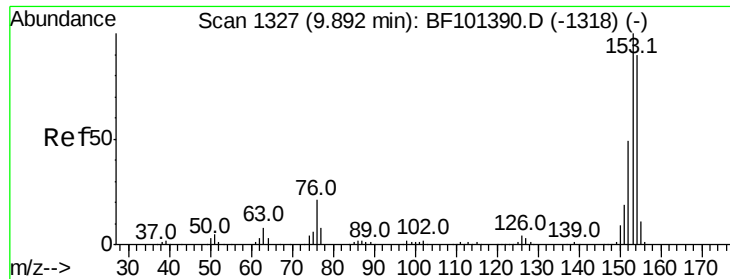
#49
Dimethylphthalate
Concen: 4.090 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion:163 Resp: 79767
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.8 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





#51

Acenaphthene

Concen: 2.793 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

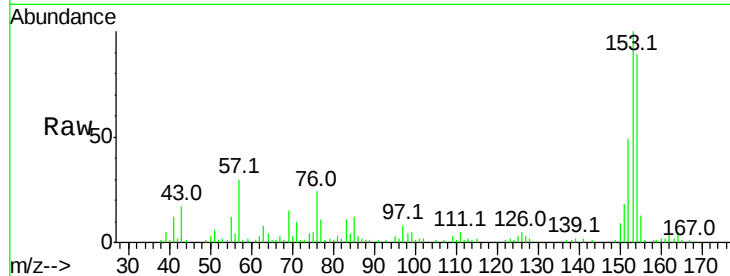
Tot Ion:154 Resp: 43608

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

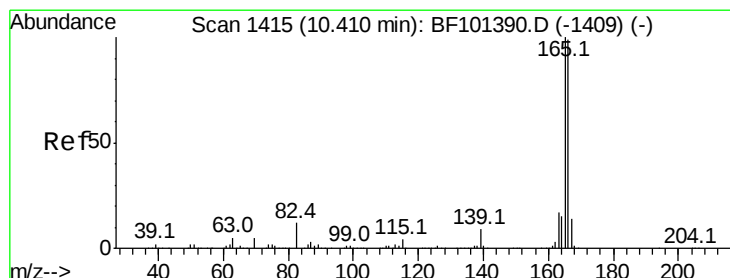
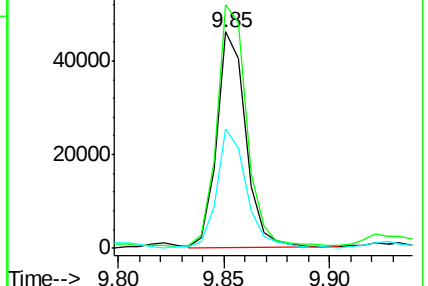
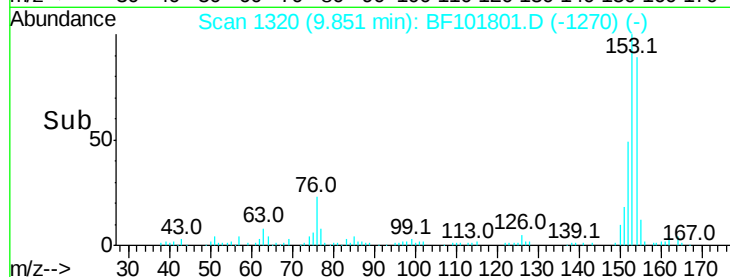
152 55.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.041 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

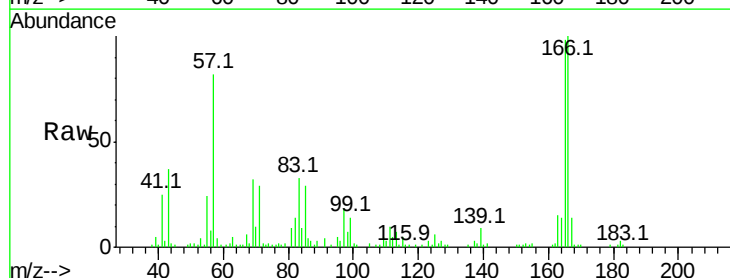
Tgt Ion:166 Resp: 51033

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

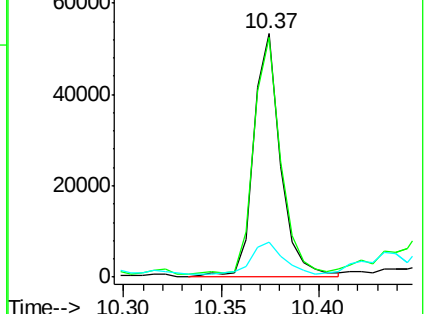
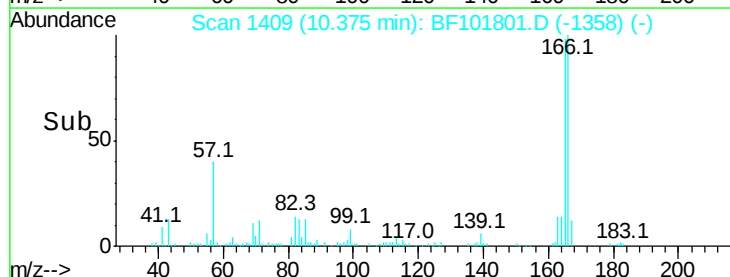
167 14.4 10.6 16.0

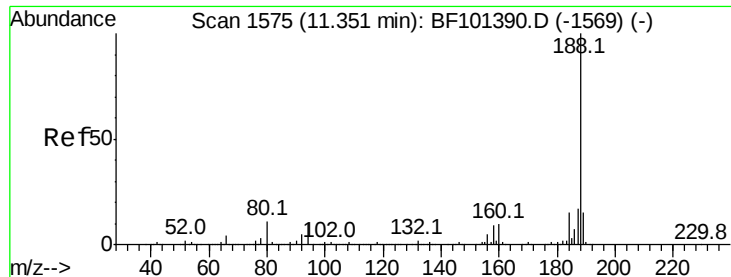


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

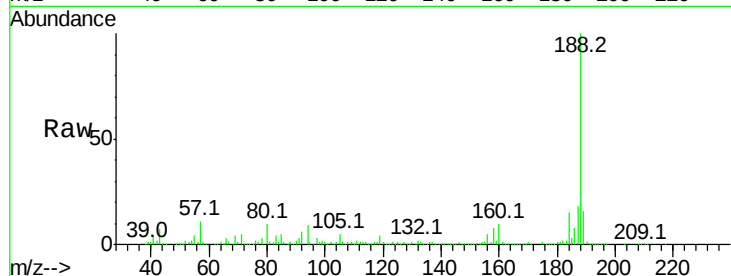
Tot Ion:188 Resp: 363003

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

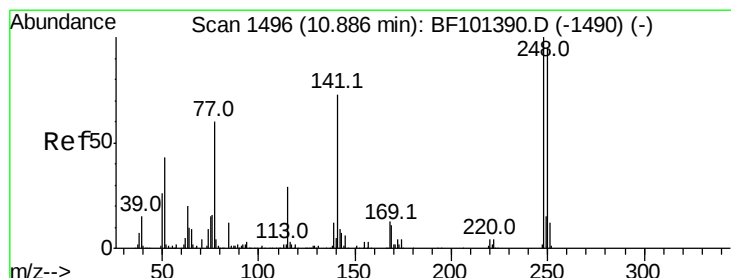
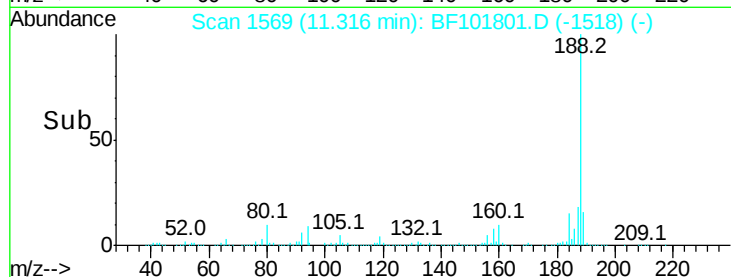
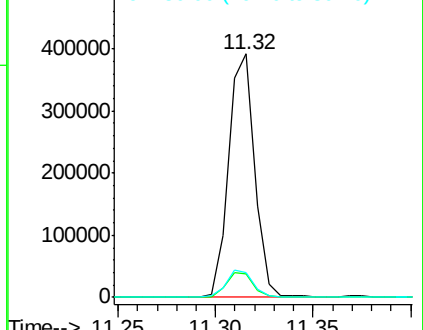
80 10.1 9.2 13.8



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: 3.235 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

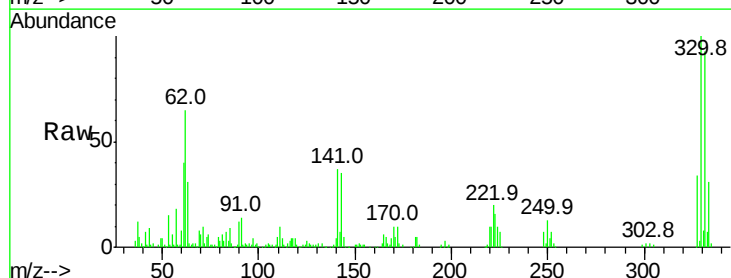
Tgt Ion:248 Resp: 13195

Ion Ratio Lower Upper

248 100

250 198.4 76.9 115.3#

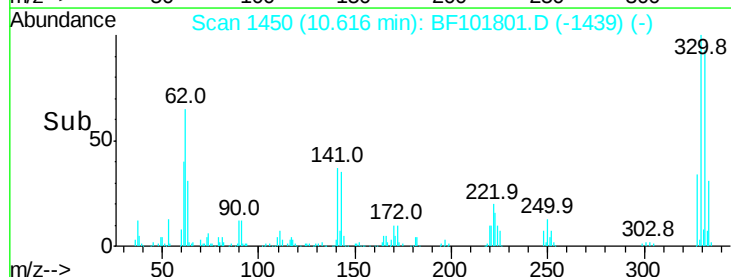
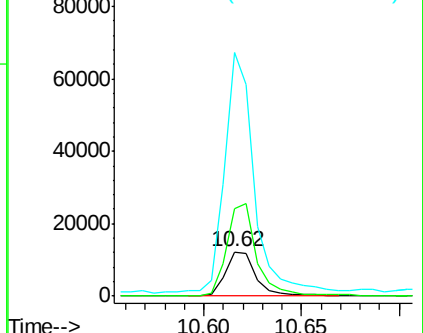
141 552.1 74.4 111.6#

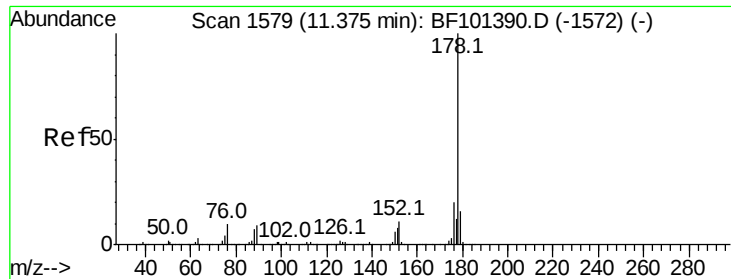


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 28.047 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

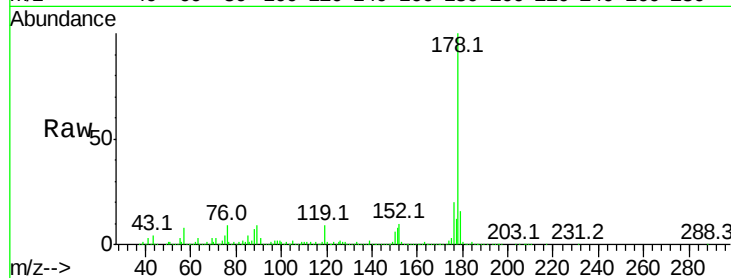
Tot Ion:178 Resp: 566188

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

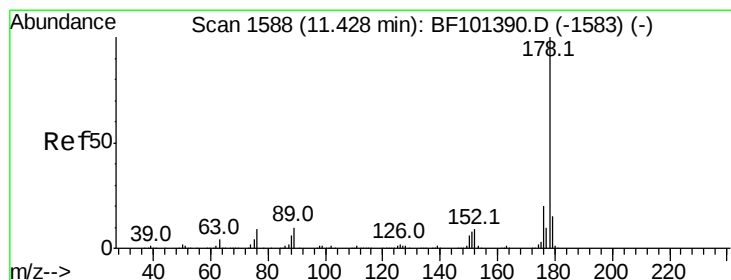
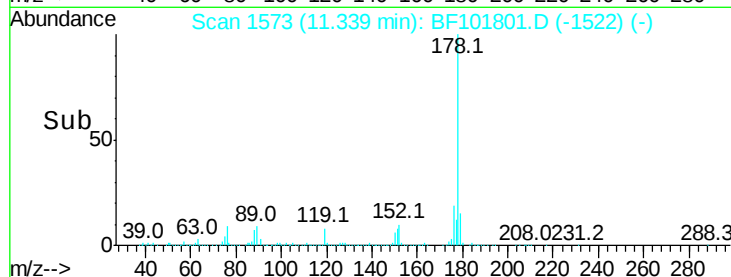
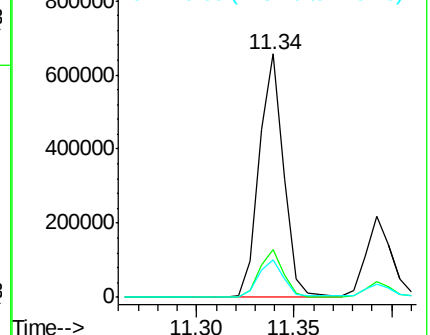
179 15.5 13.0 19.6



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: 9.435 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

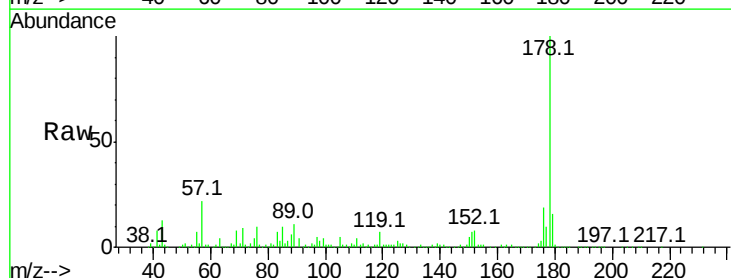
Tgt Ion:178 Resp: 194556

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

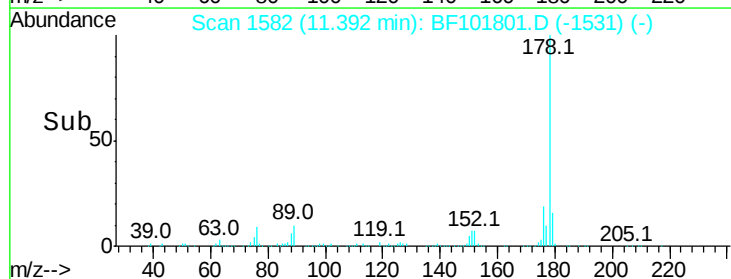
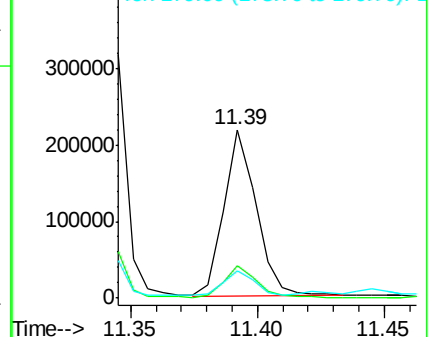
179 16.4 12.6 19.0

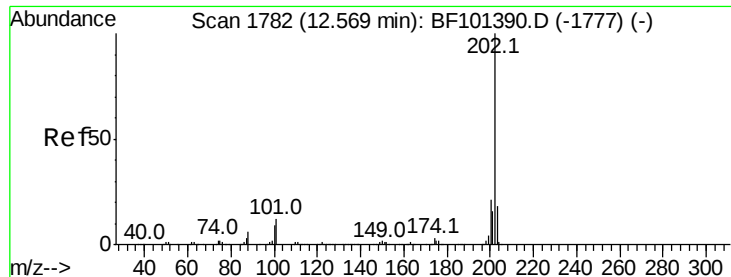


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 34.643 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

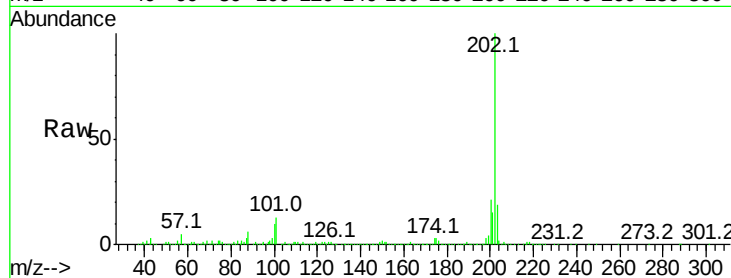
Tot Ion:202 Resp: 734054

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

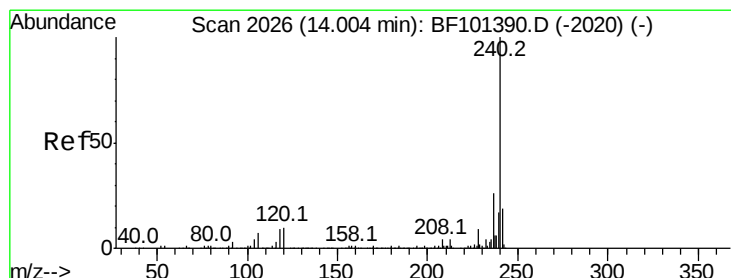
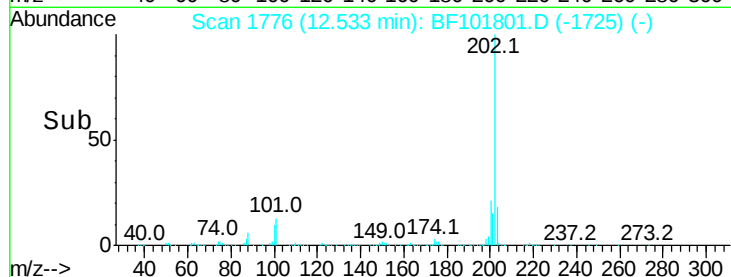
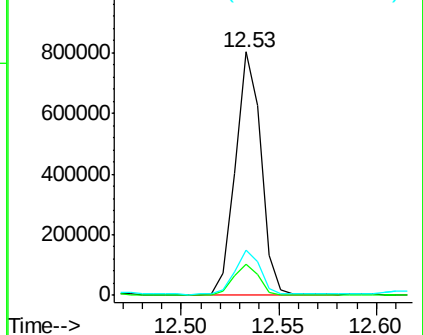
203 18.6 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

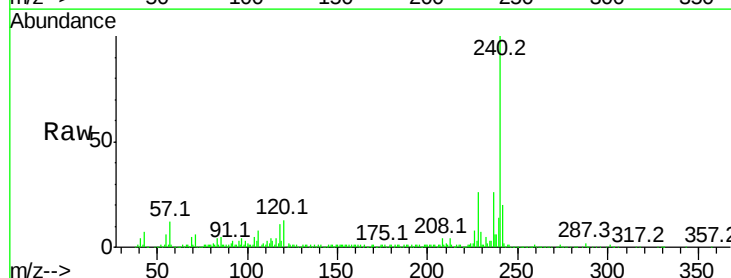
Tgt Ion:240 Resp: 295722

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

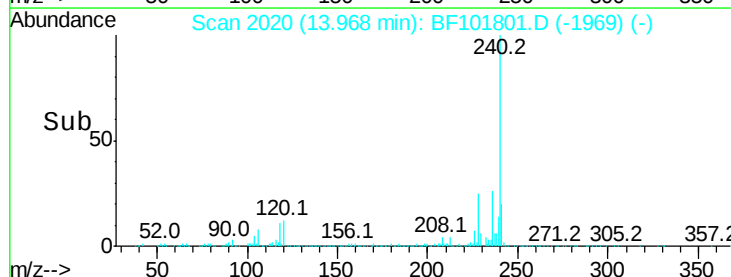
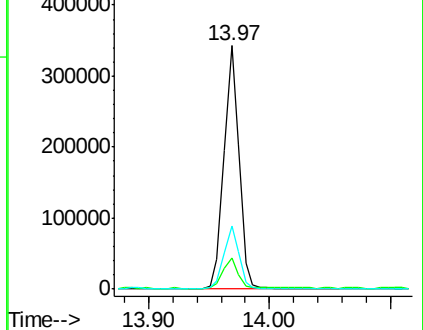
236 25.9 20.7 31.1

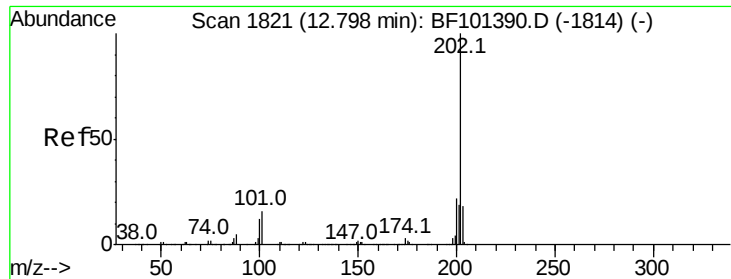


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 36.267 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

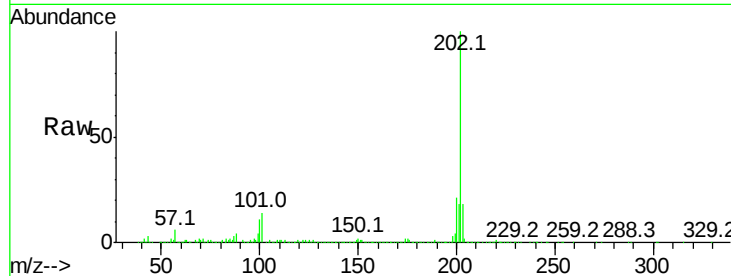
Tot Ion:202 Resp: 804914

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

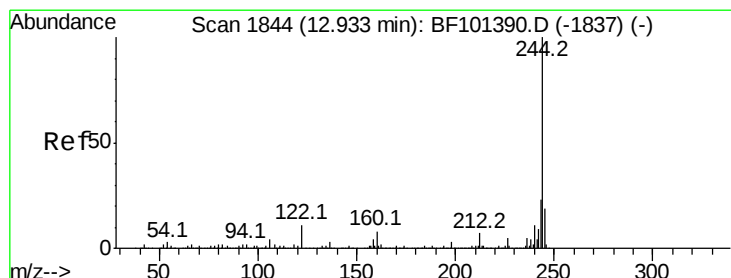
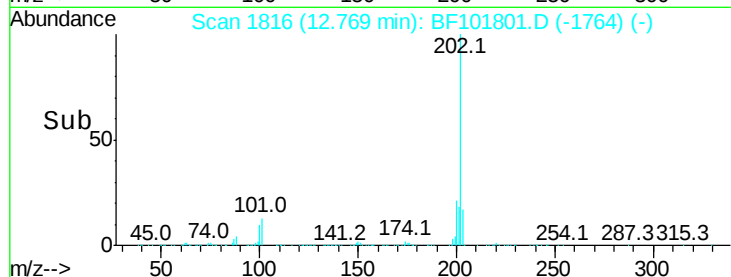
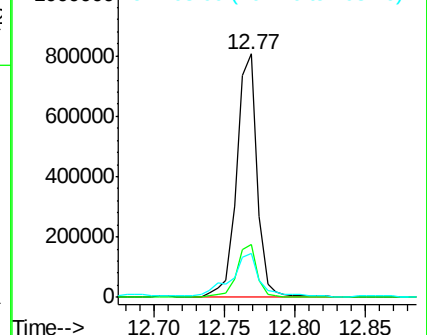
203 18.1 14.3 21.5



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: 70.881 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

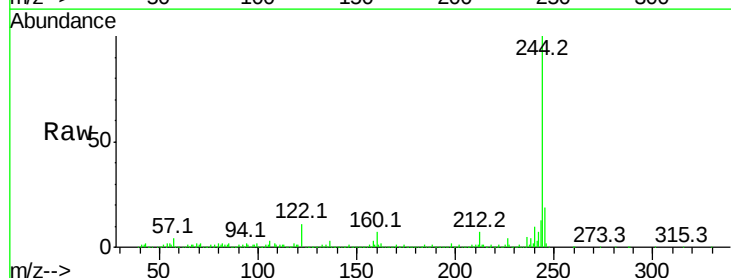
Tgt Ion:244 Resp: 869479

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

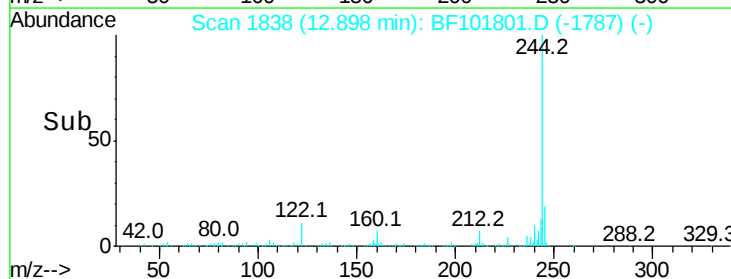
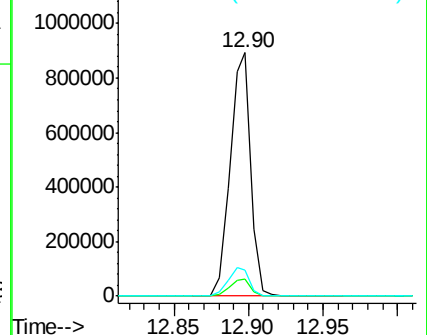
122 10.7 11.0 16.4#

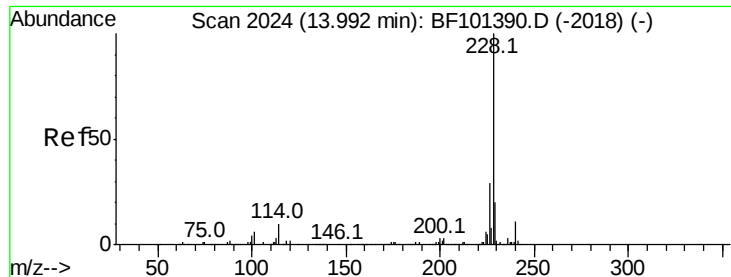


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

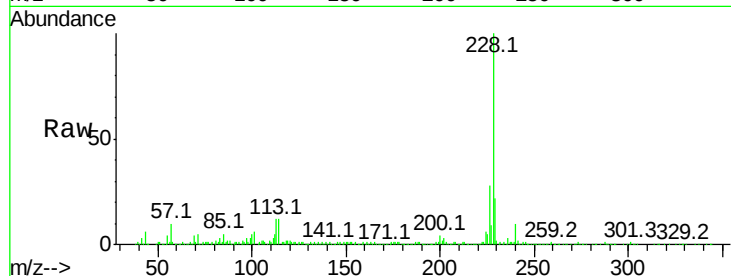




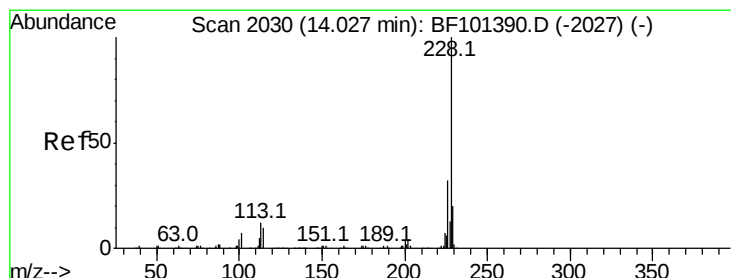
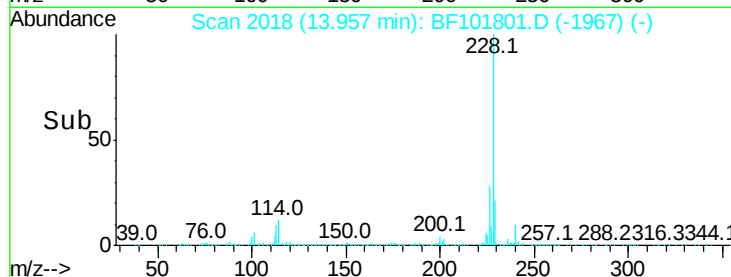
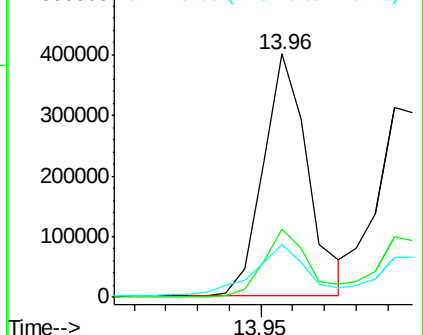
#80
Benzo(a)anthracene
Concen: 20.044 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 391401
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 21.7 15.8 23.6

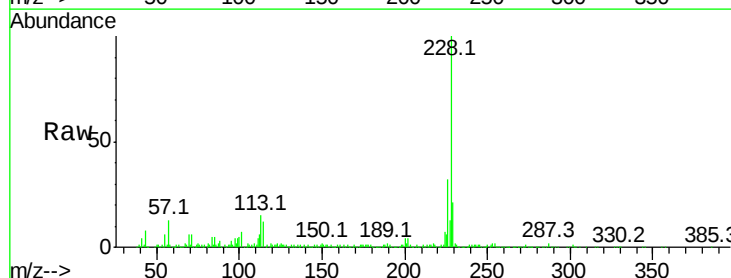


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

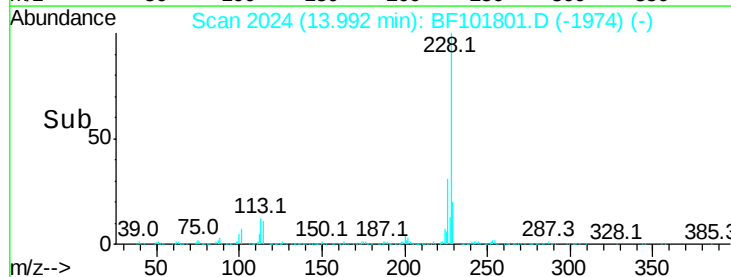
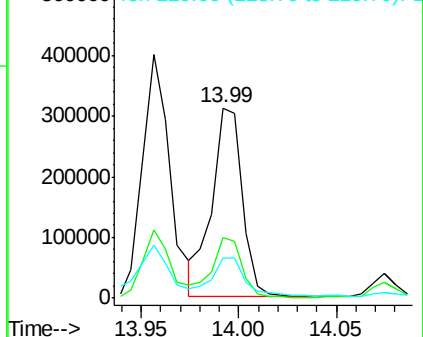


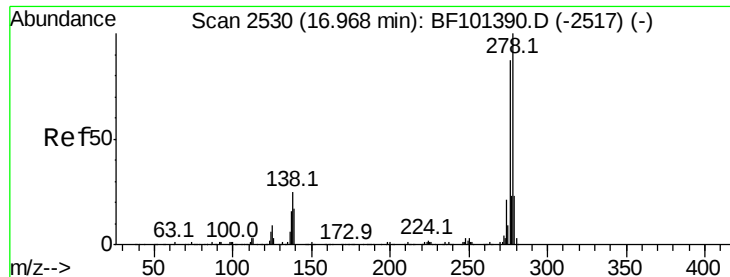
#82
Chrysene
Concen: 18.279 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion:228 Resp: 337010
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 20.9 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

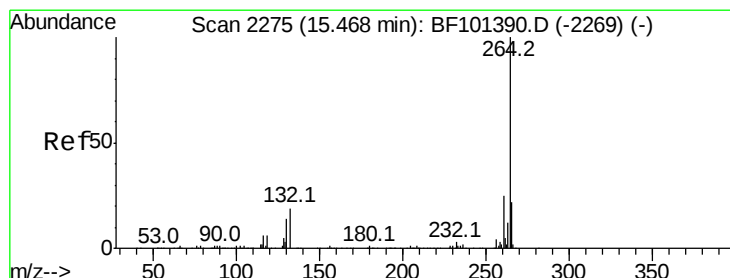
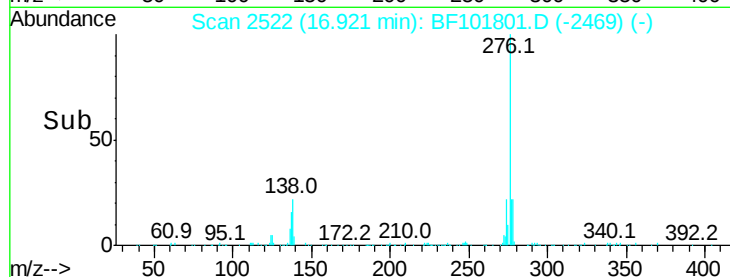
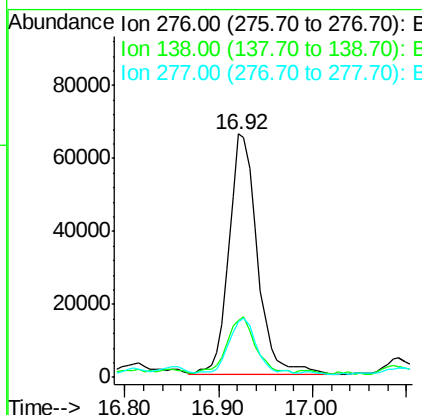
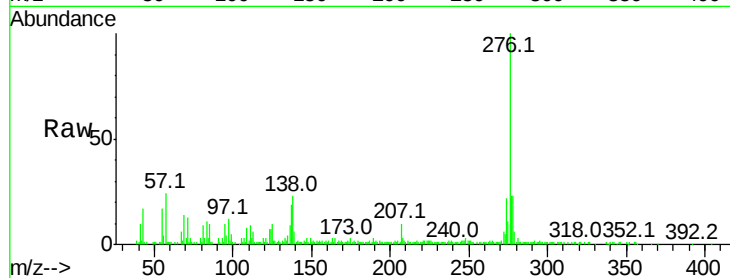




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.399 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

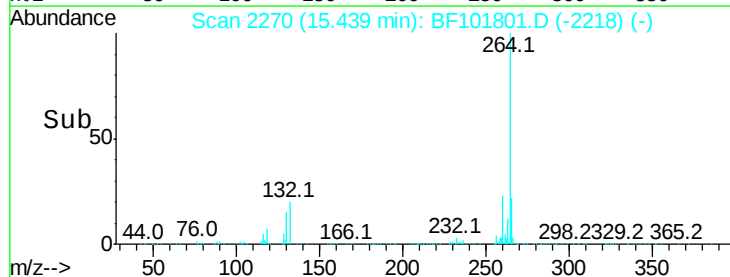
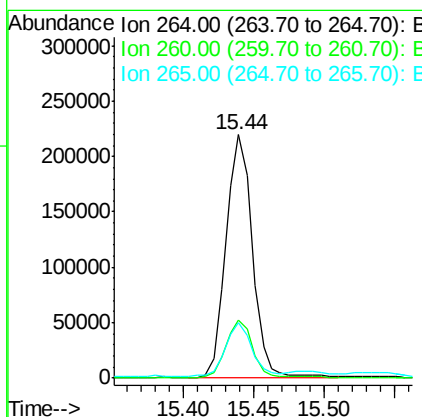
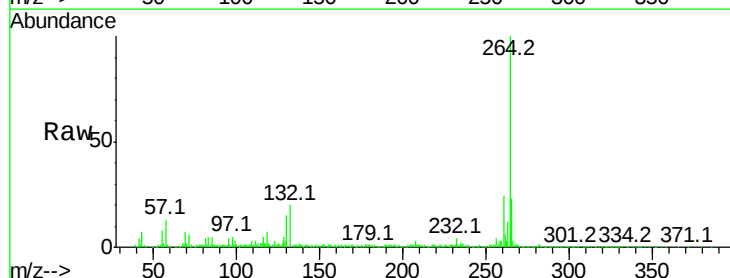
Instrument :
 BNA_F
 ClientSampleId :

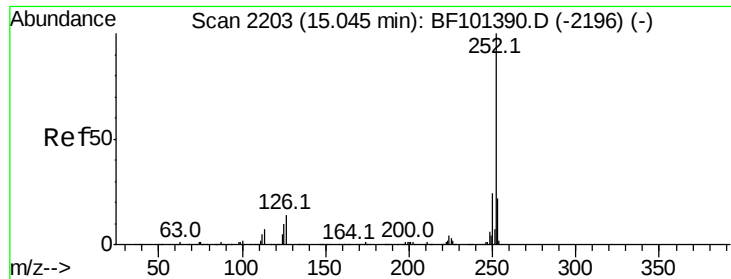
Tot Ion:276 Resp: 137890
 Ion Ratio Lower Upper
 276 100
 138 24.0 25.0 37.6#
 277 22.4 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Tgt Ion:264 Resp: 283863
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.5 17.5 26.3

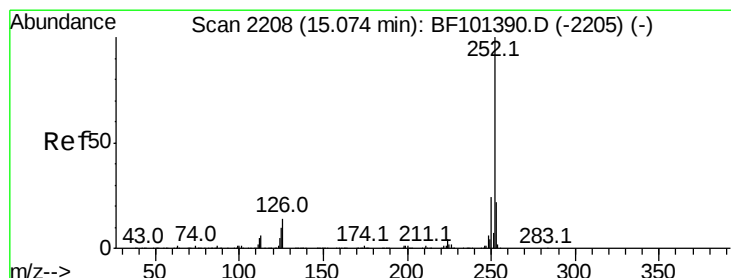
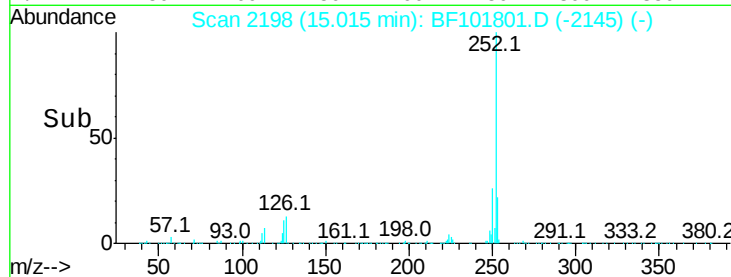
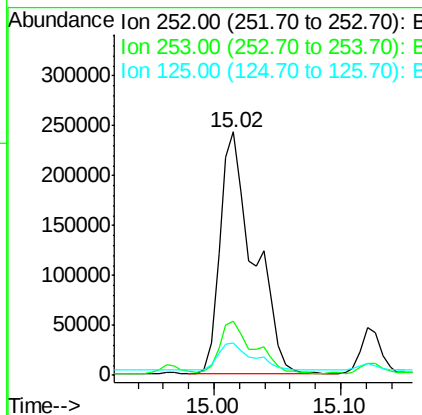
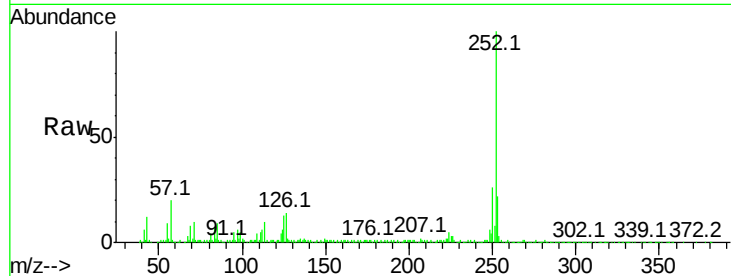




#87
Benzo(b)fluoranthene
Concen: 25.864 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

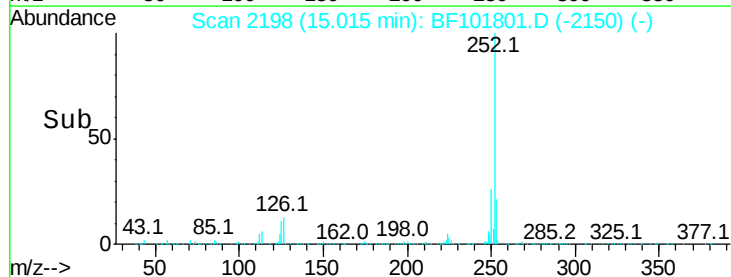
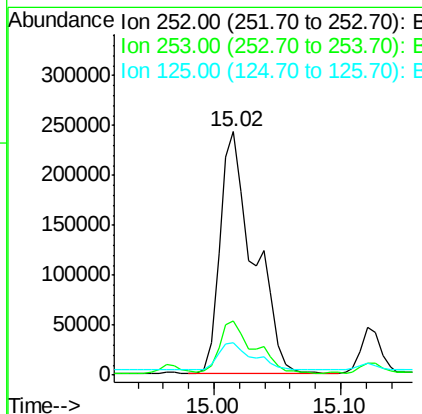
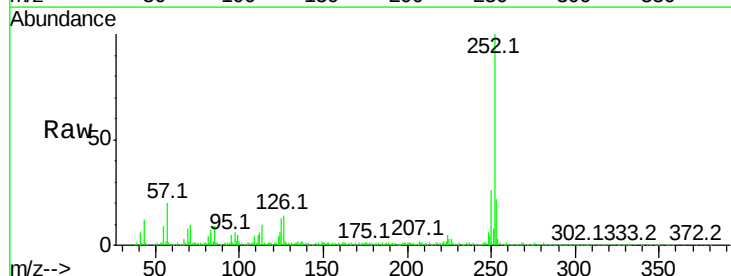
Instrument :
BNA_F
ClientSampleId :

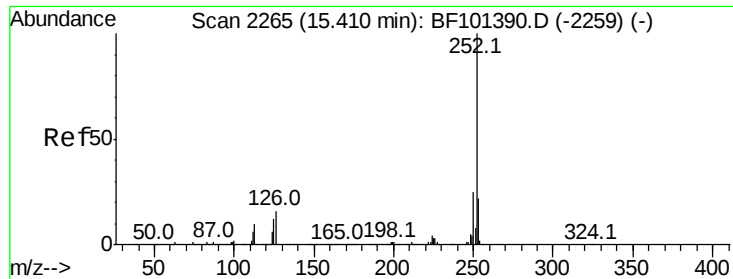
Tot Ion:252 Resp: 447498
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 13.4 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 26.601 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion:252 Resp: 447498
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.4 10.2 15.2

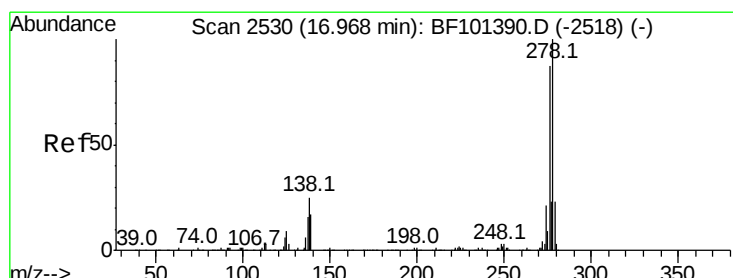
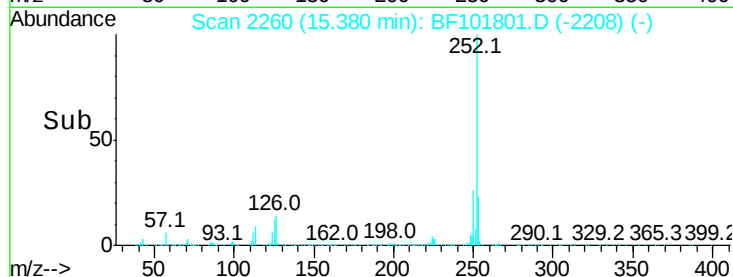
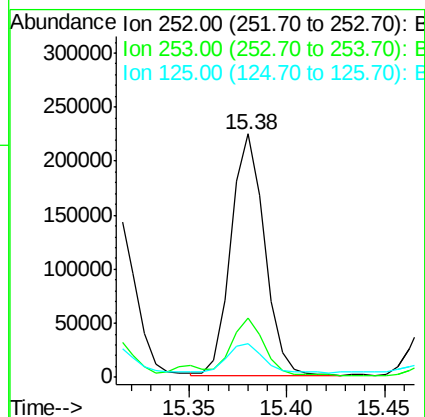
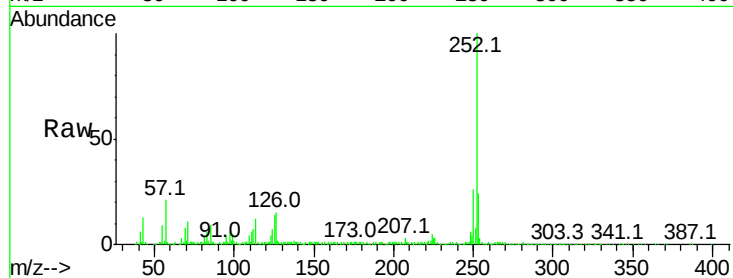




#89
Benzo(a)pyrene
Concen: 16.848 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

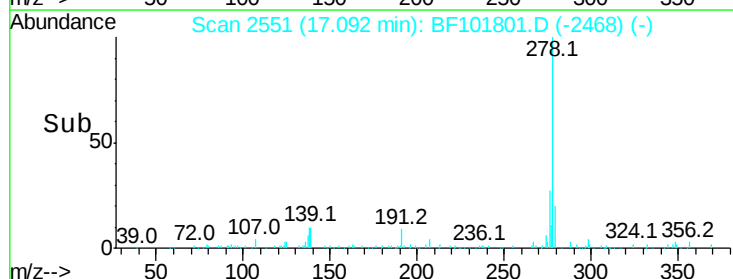
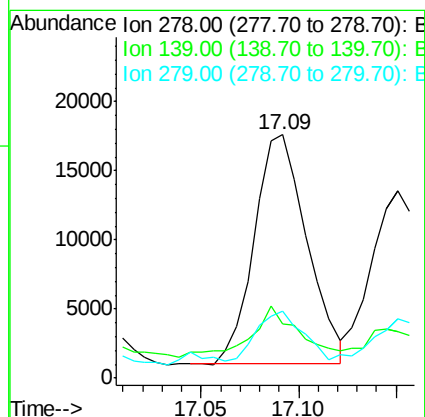
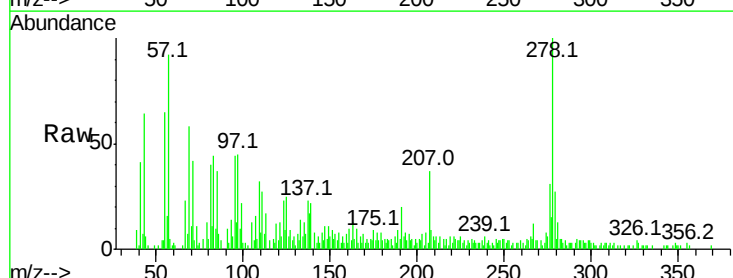
Instrument :
BNA_F
ClientSampleId :

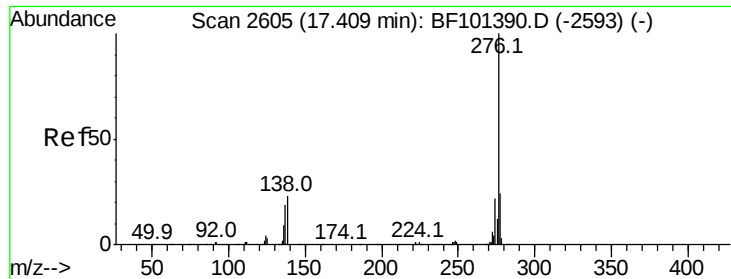
Tot Ion:252 Resp: 268724
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 13.7 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.266 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.19 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion:278 Resp: 31031
Ion Ratio Lower Upper
278 100
139 22.4 15.9 23.9
279 27.2 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 9.710 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

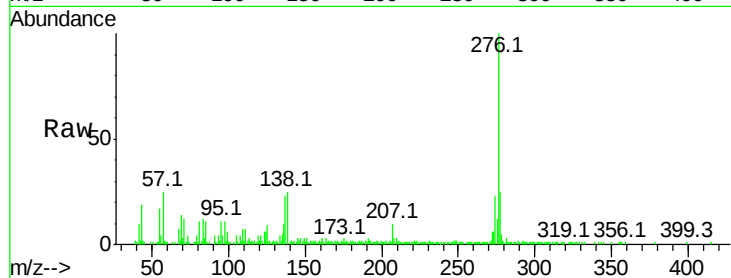
Tot Ion:276 Resp: 131670

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 25.5 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

