

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110123.D
 Acq On : 24 Oct 2018 19:00
 Operator : JU/SJ
 Sample : J5198-25 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:13:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145200	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	515789	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	193092	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	326671	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	291360	20.00	ng	-0.01
87) Perylene-d12	15.68	264	200289	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	458841	51.46	ng	-0.02
7) Phenol-d6	6.58	99	551877	48.39	ng	-0.02
23) Nitrobenzene-d5	7.53	82	305951	35.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	87011	45.49	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	523963	42.61	ng	-0.02
79) Terphenyl-d14	13.09	244	458314	32.71	ng	-0.02

Target Compounds

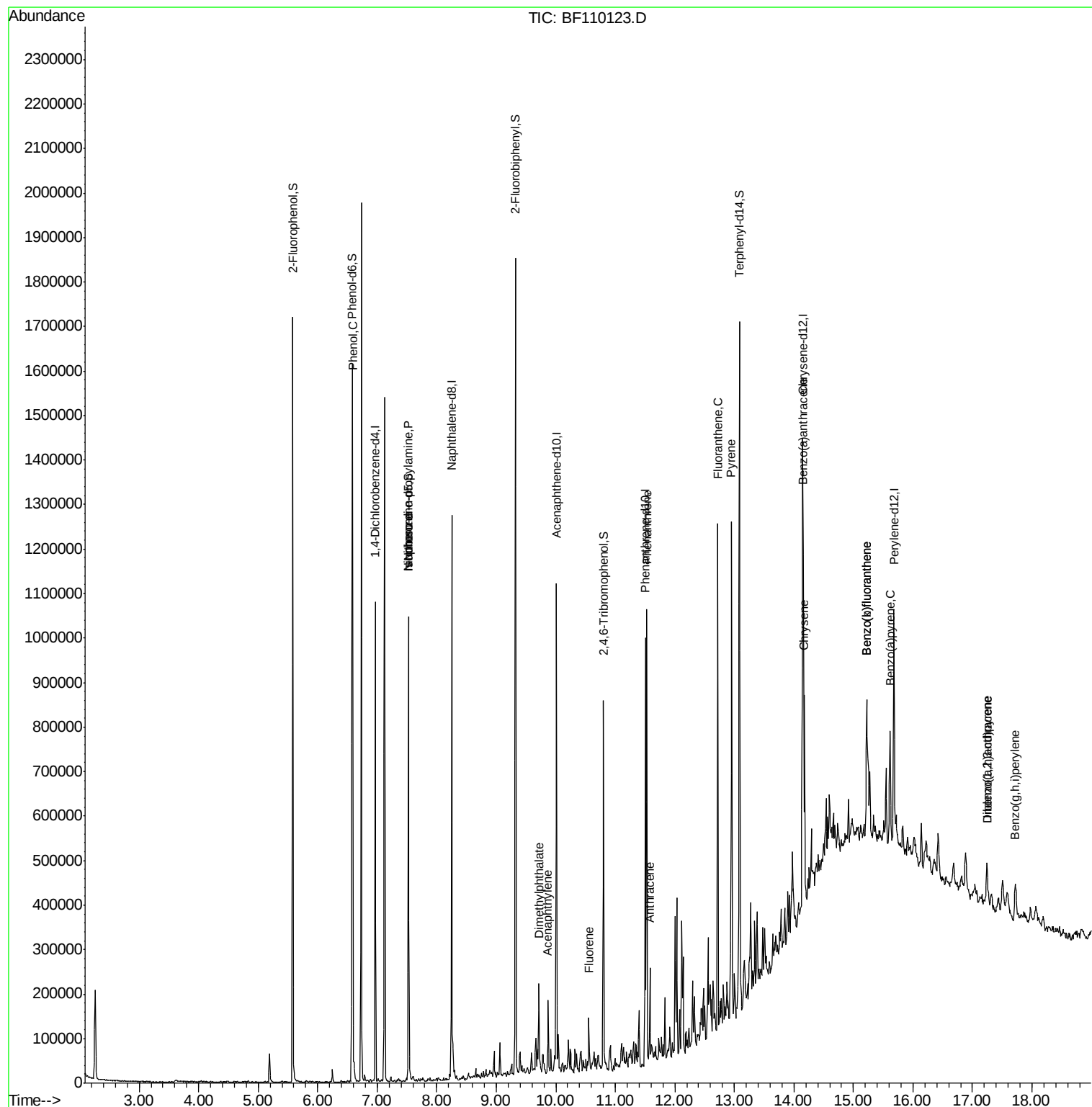
						Qvalue
9) Benzaldehyde	6.58	77	1064	Below Cal	#	1
10) Phenol	6.59	94	31316	2.569 ng	#	72
19) n-Nitroso-di-n-propylamine	7.53	70	41024	5.607 ng	#	78
25) Isophorone	7.53	82	306005	20.643 ng	#	67
49) Acenaphthylene	9.87	152	54702	2.957 ng		98
50) Dimethylphthalate	9.72	163	52785	3.703 ng		100
58) Fluorene	10.56	166	32047	2.513 ng		98
71) Phenanthrene	11.53	178	343263	20.082 ng		99
72) Anthracene	11.58	178	87903	5.131 ng		97
75) Fluoranthene	12.72	202	401252	23.130 ng		99
78) Pyrene	12.95	202	415221	19.878 ng		99
81) Benzo(a)anthracene	14.14	228	199153	11.526 ng		94
83) Chrysene	14.18	228	196425	11.969 ng		99
86) Indeno(1,2,3-cd)pyrene	17.24	276	68527	5.033 ng		98
88) Benzo(b)fluoranthene	15.23	252	227808	19.696 ng	#	89
89) Benzo(k)fluoranthene	15.23	252	227808	20.035 ng	#	88
90) Benzo(a)pyrene	15.62	252	117461	11.037 ng	#	97
91) Dibenzo(a,h)anthracene	17.26	278	18928	2.061 ng	#	67
92) Benzo(a,h,i)perylene	17.72	276	61728	6.822 ng	#	91

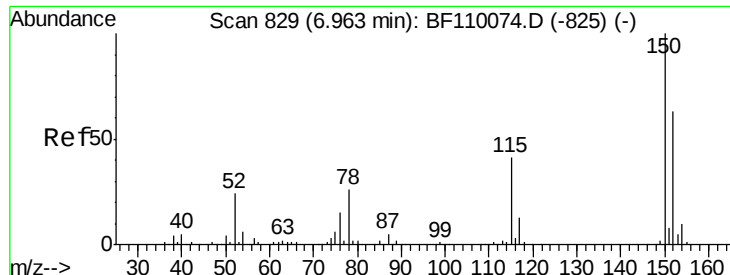
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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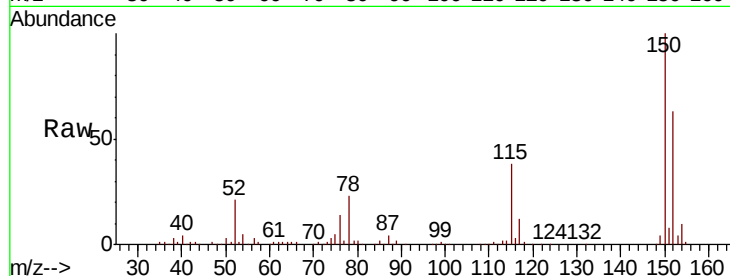


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.7	184.1
115	60.5	49.1	73.7

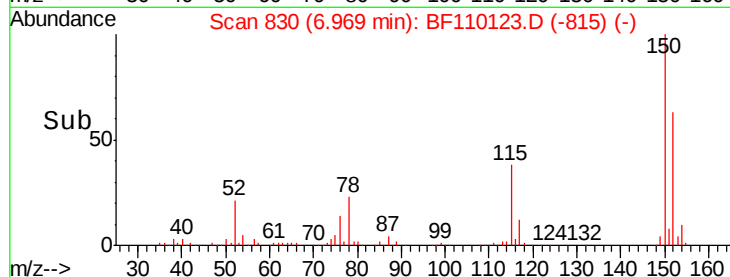
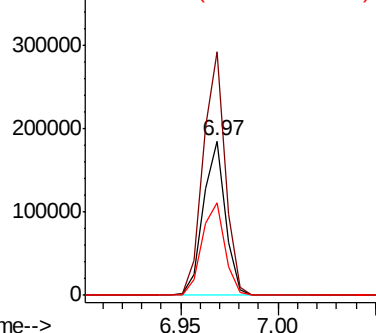


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

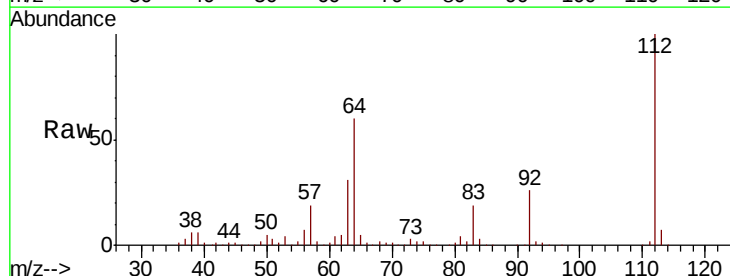
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.460 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	44.1	66.1
63	31.1	23.7	35.5

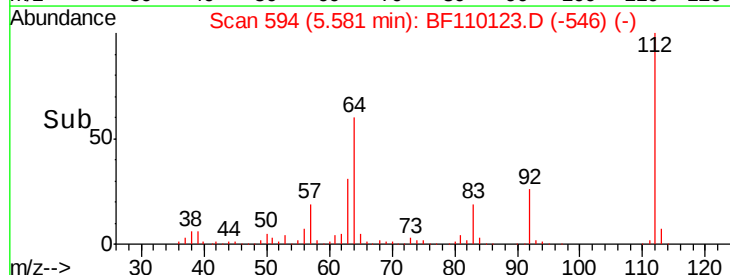
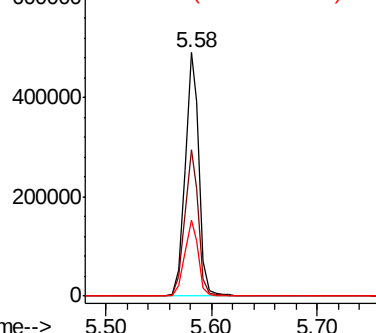


Abundance

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: 48.390 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampleId :

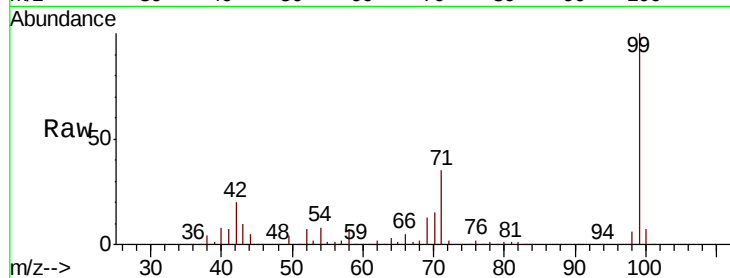
Tot Ion: 99 Resp: 551877

Ion Ratio Lower Upper

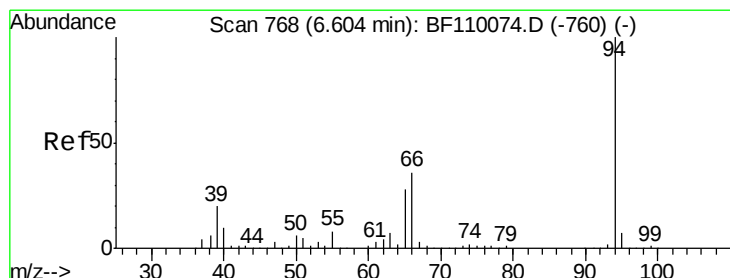
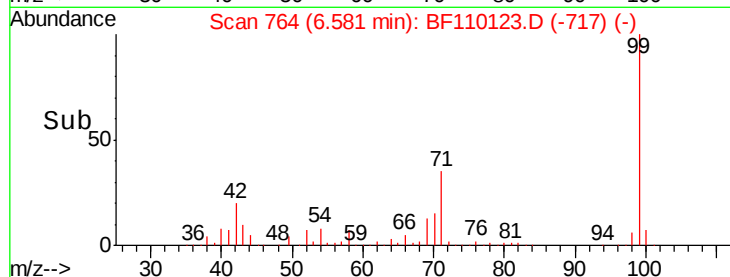
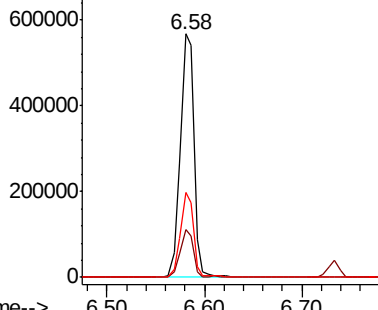
99 100

42 19.6 15.8 23.6

71 35.0 28.0 42.0



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: 2.569 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

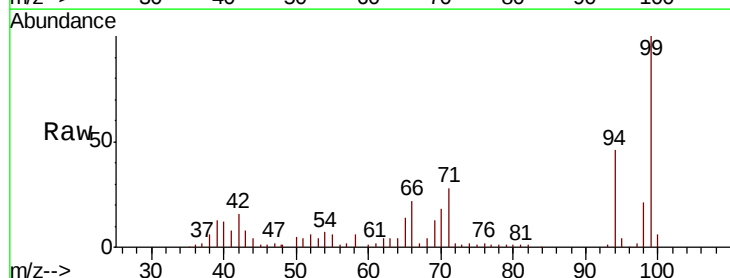
Tgt Ion: 94 Resp: 31316

Ion Ratio Lower Upper

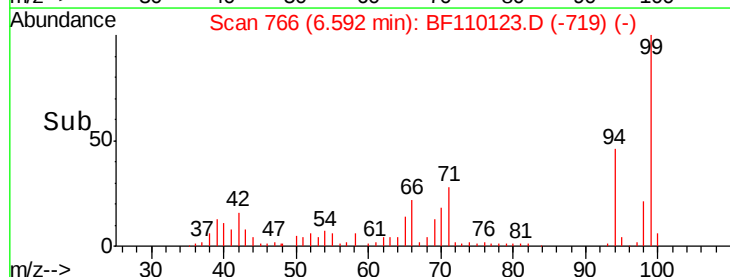
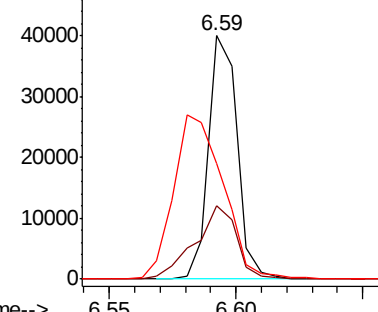
94 100

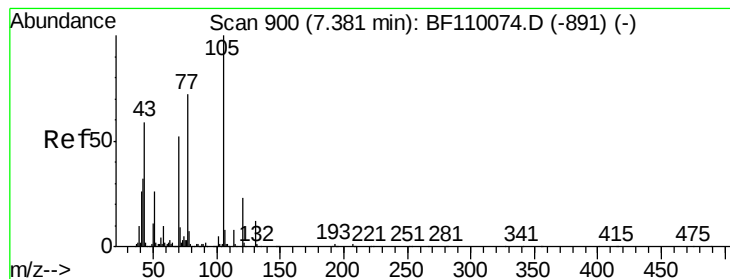
65 30.2 25.3 65.3

66 47.5 54.5 94.5#



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: 5.607 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.13 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

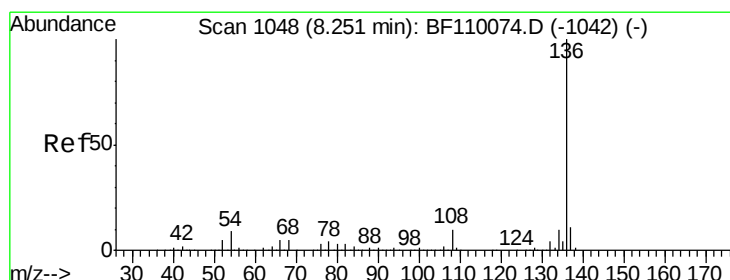
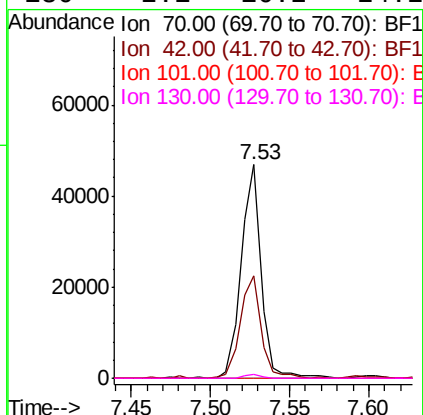
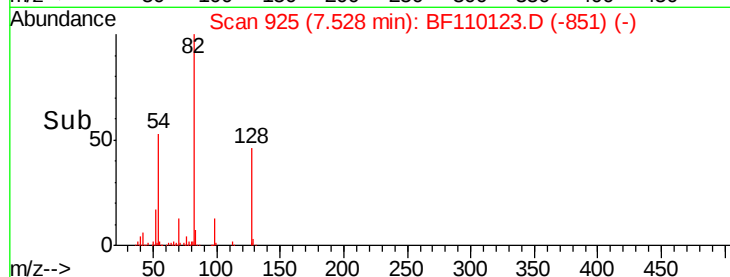
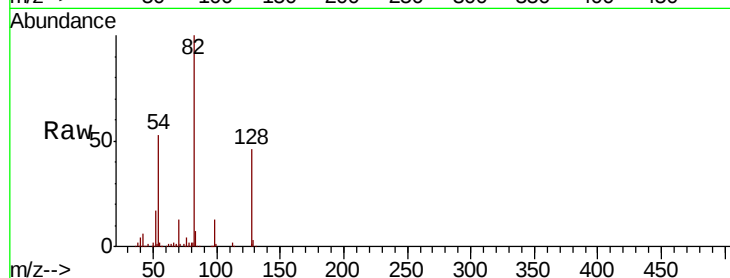
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 41024

Ion Ratio Lower Upper

70	100		
42	48.0	47.4	71.2
101	0.0	7.3	10.9#
130	2.1	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

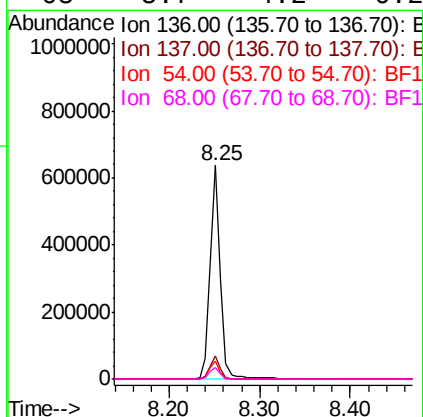
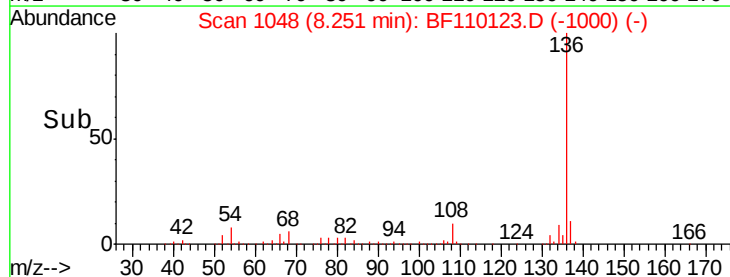
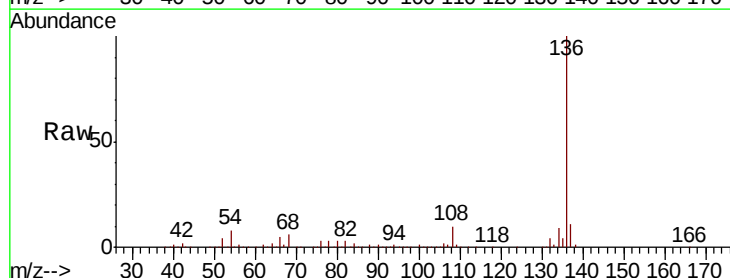
Lab File: BF110123.D

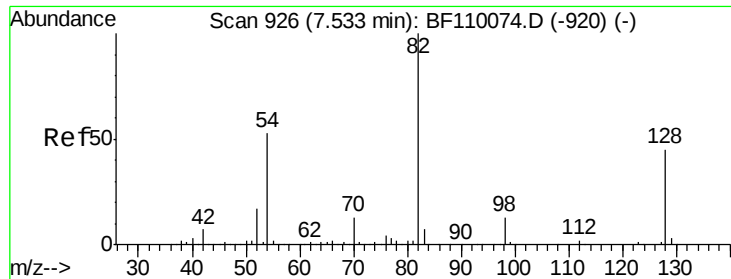
Acq: 24 Oct 2018 19:00

Tgt Ion: 136 Resp: 515789

Ion Ratio Lower Upper

136	100		
137	11.1	8.8	13.2
54	8.3	5.4	8.2#
68	5.7	4.2	6.2

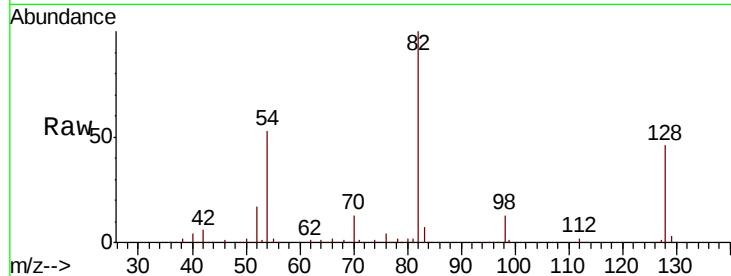




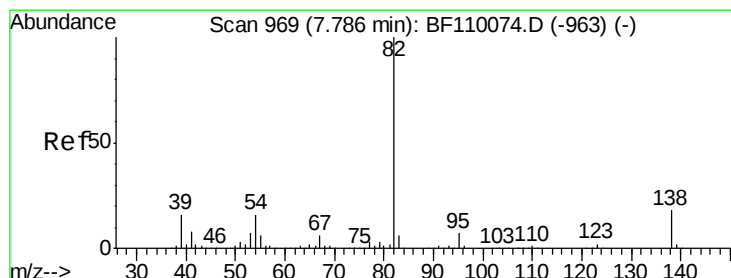
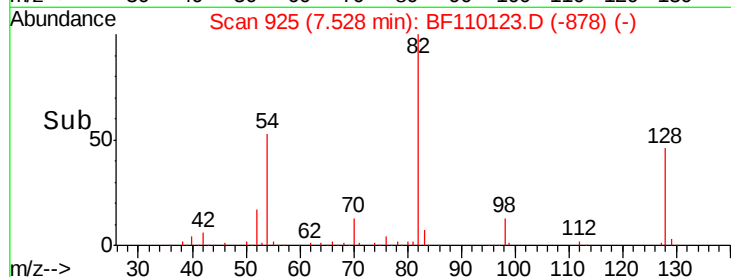
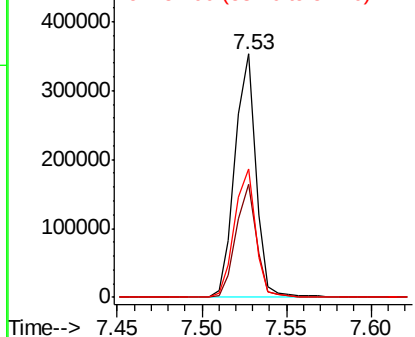
#23
Nitrobenzene-d5
Concen: 35.183 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.2	51.2
54	52.8	38.6	58.0

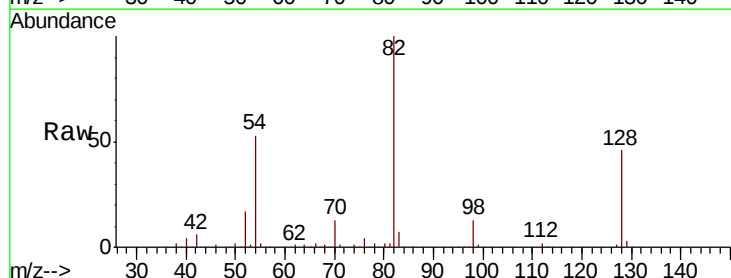


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

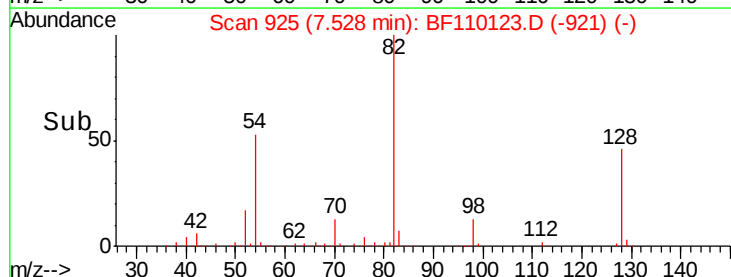
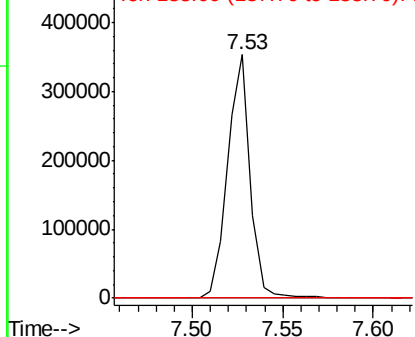


#25
Isophorone
Concen: 20.643 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.7	8.5#
138	0.0	13.2	19.8#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampleId :

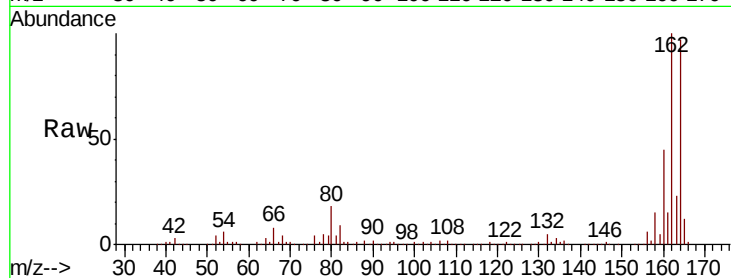
Tot Ion:164 Resp: 193092

Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.6

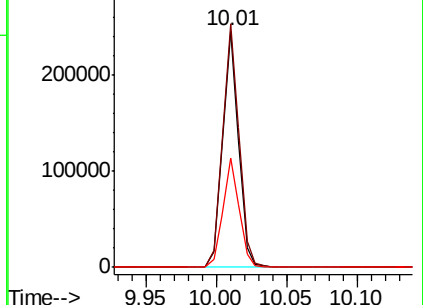
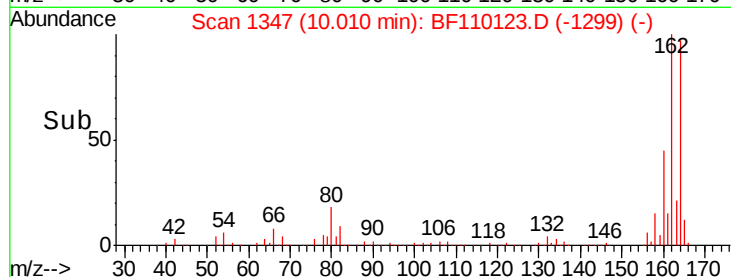
160 46.1 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 45.491 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

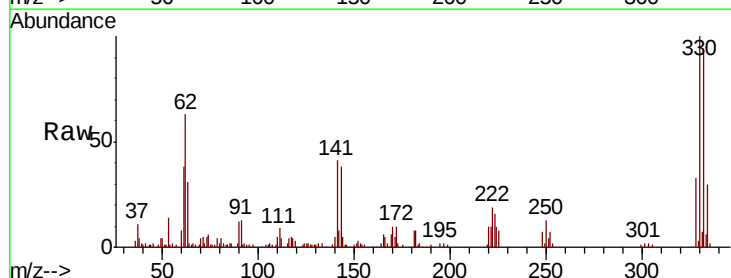
Tgt Ion:330 Resp: 87011

Ion Ratio Lower Upper

330 100

332 93.5 77.1 115.7

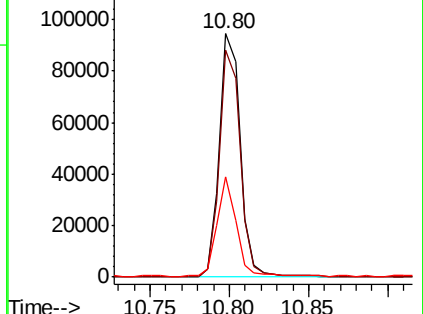
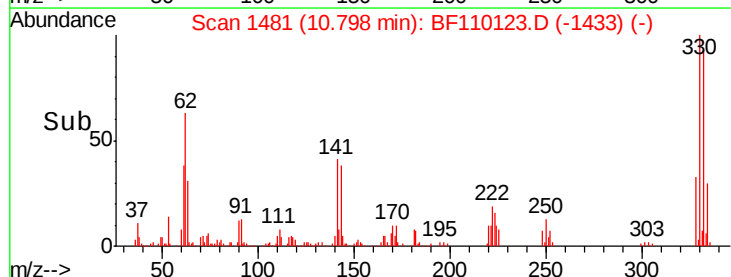
141 36.9 27.0 40.4

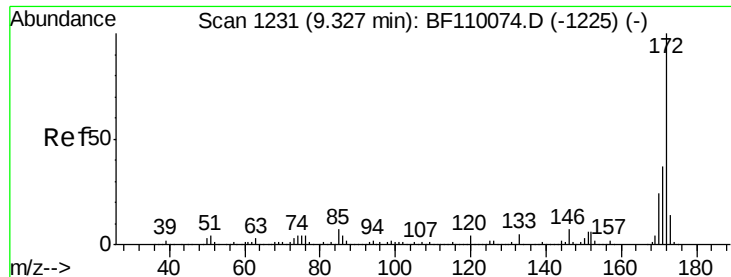


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

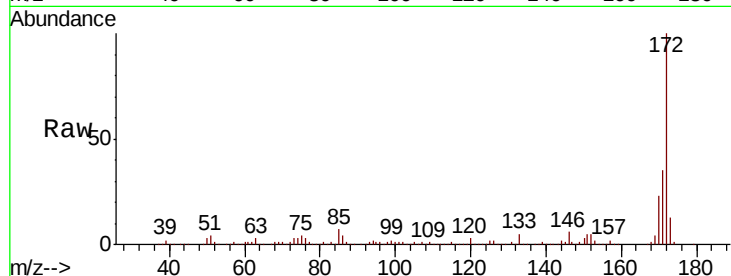




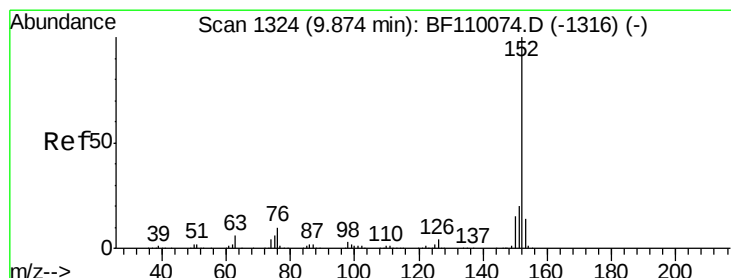
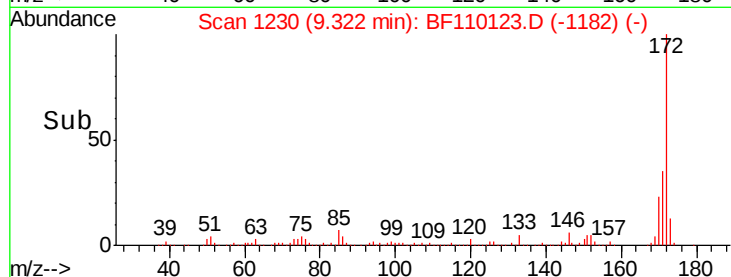
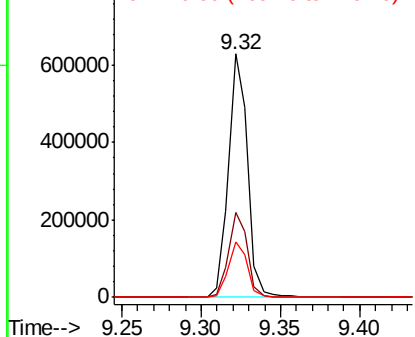
#45
2-Fluorobiphenyl
Concen: 42.610 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 523963
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 22.6 19.7 29.5

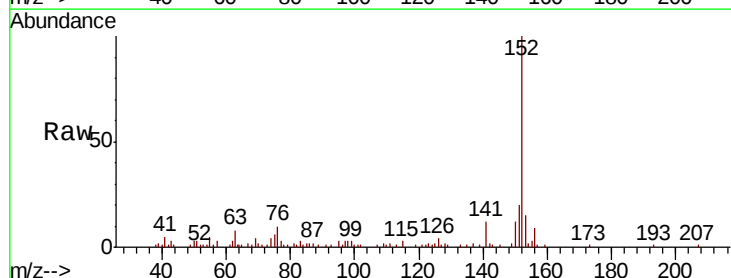


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

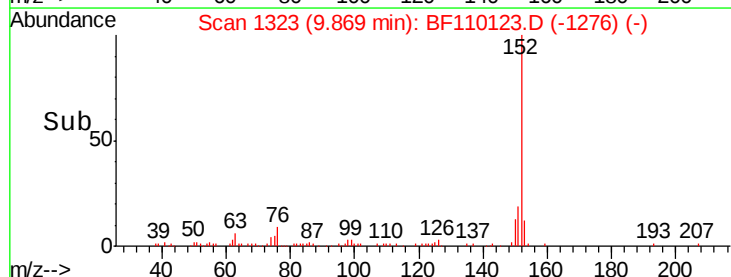
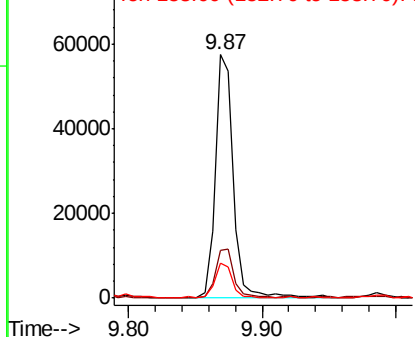


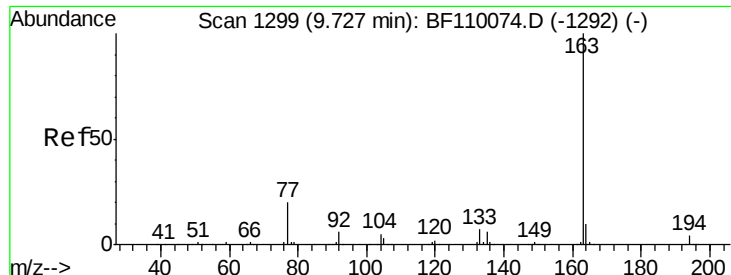
#49
Acenaphthylene
Concen: 2.957 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion:152 Resp: 54702
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 14.6 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 3.703 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampleId :

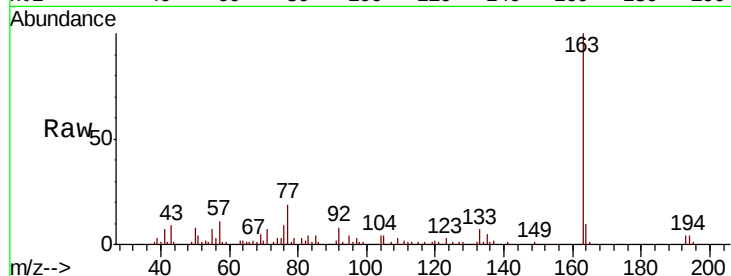
Tot Ion:163 Resp: 52785

Ion Ratio Lower Upper

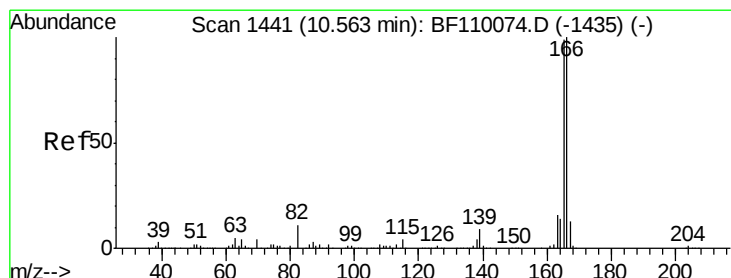
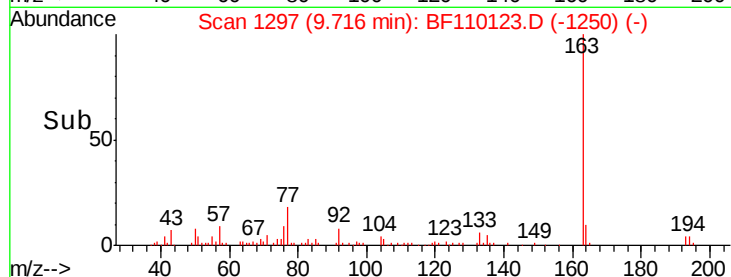
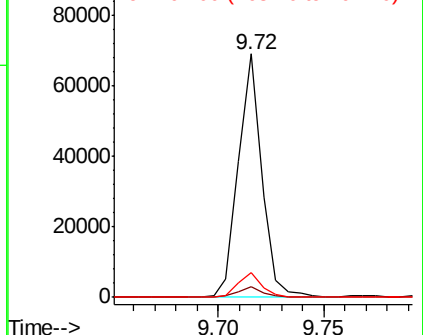
163 100

194 4.2 3.2 4.8

164 10.0 8.1 12.1



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



#58

Fluorene

Concen: 2.513 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

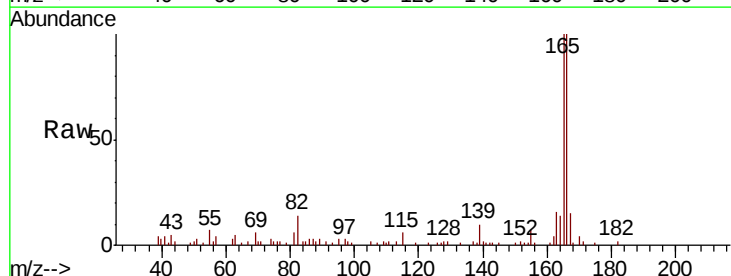
Tgt Ion:166 Resp: 32047

Ion Ratio Lower Upper

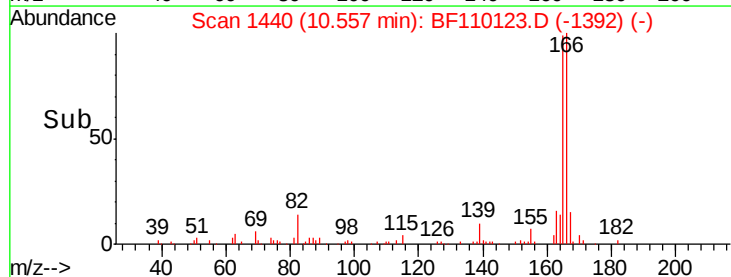
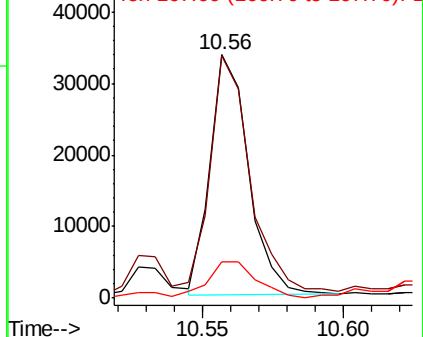
166 100

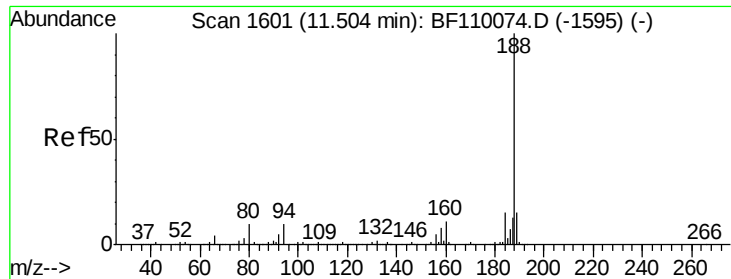
165 99.5 78.6 117.8

167 15.0 10.8 16.2



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampled :

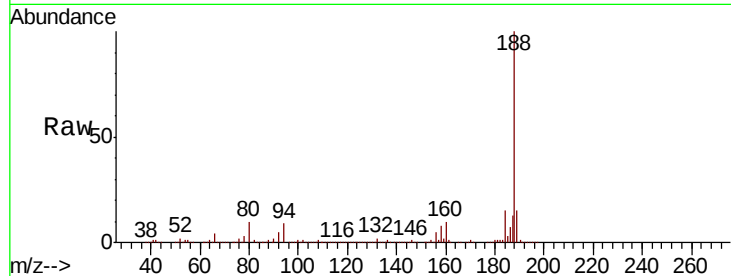
Tot Ion:188 Resp: 326671

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

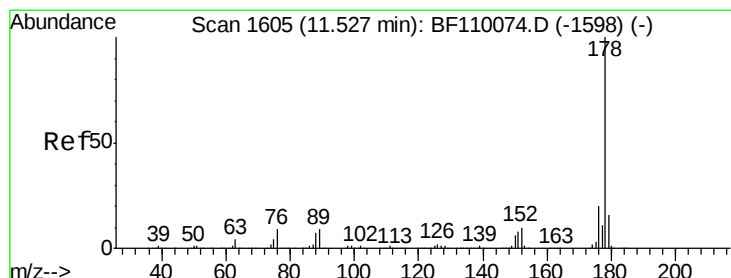
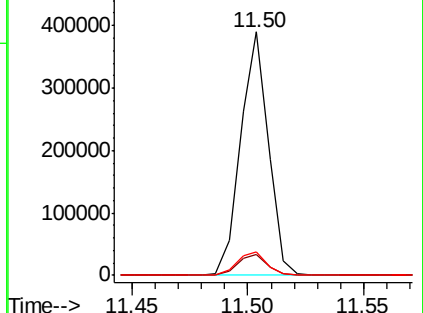
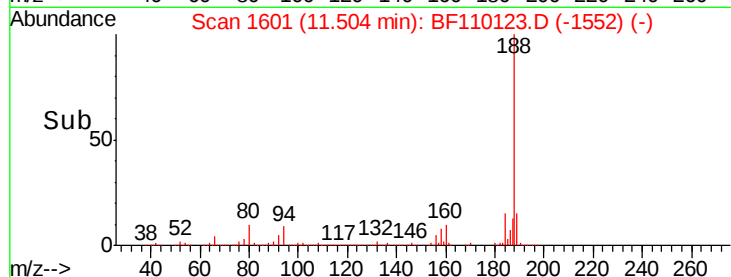
80 9.6 7.9 11.9



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



#71

Phenanthrene

Concen: 20.082 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

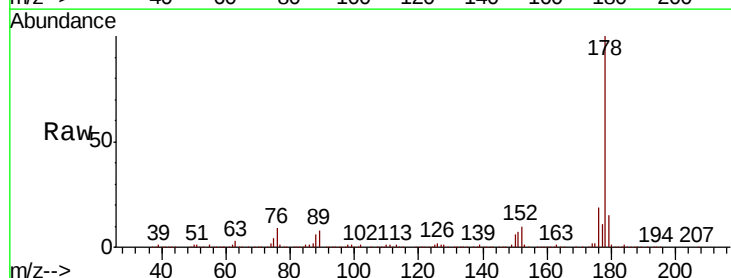
Tgt Ion:178 Resp: 343263

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

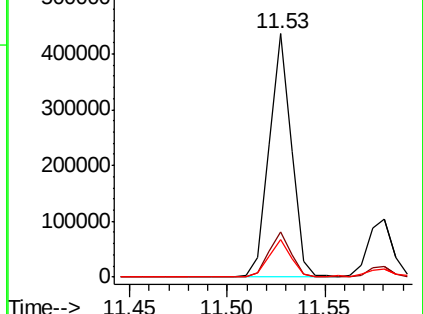
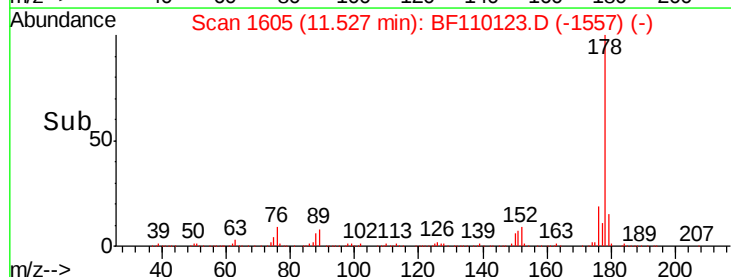
179 15.2 12.5 18.7

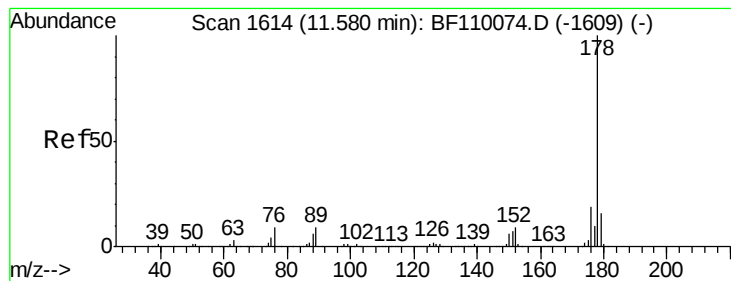


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.131 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampled :

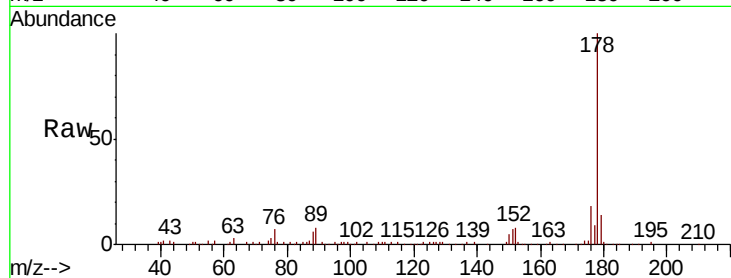
Tot Ion:178 Resp: 87903

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

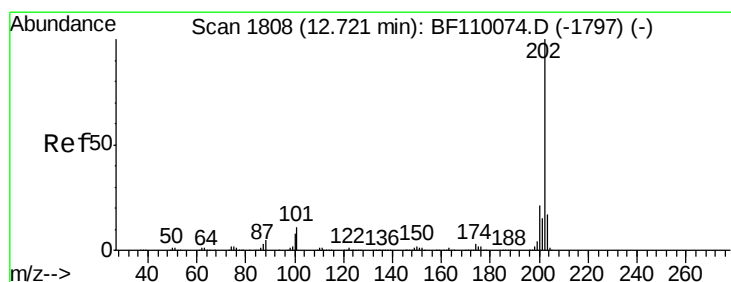
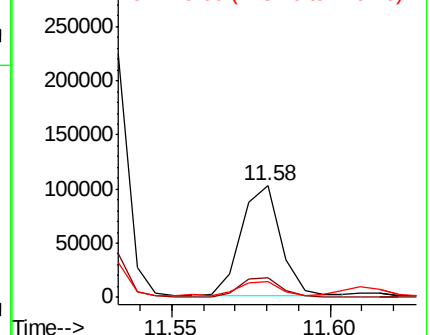
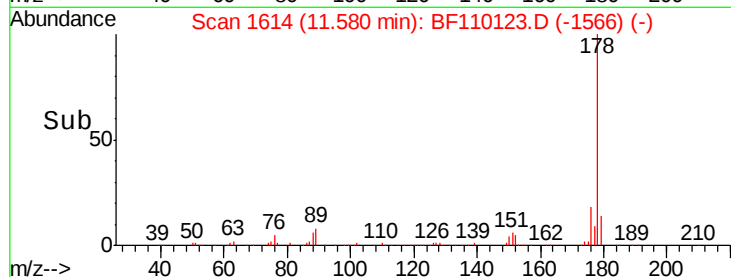
179 14.1 12.6 18.8



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



#75

Fluoranthene

Concen: 23.130 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

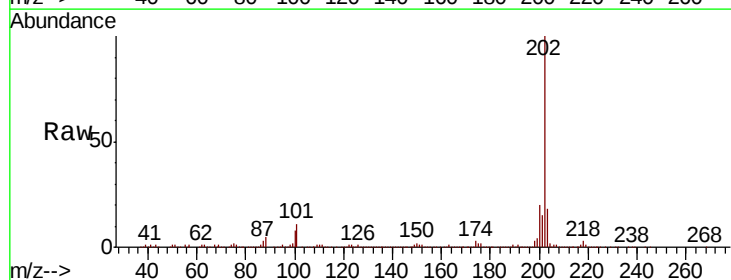
Tgt Ion:202 Resp: 401252

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

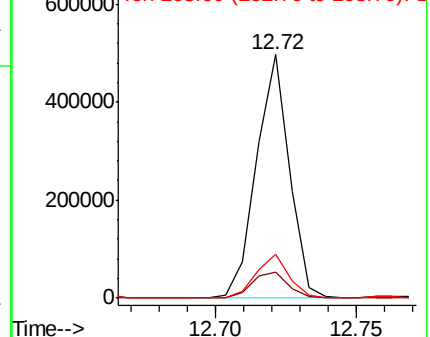
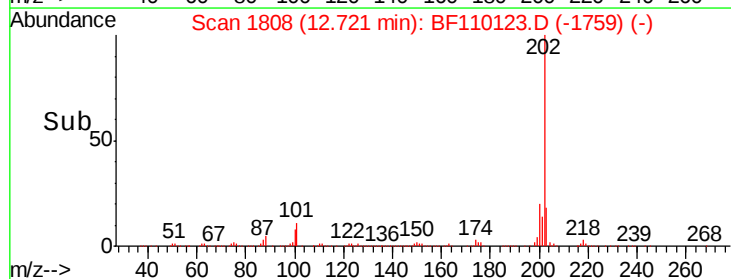
203 18.0 0.0 37.7

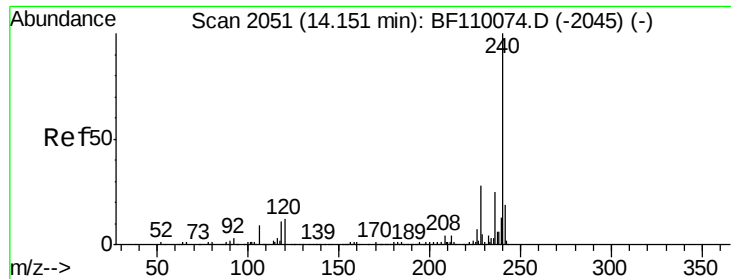


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

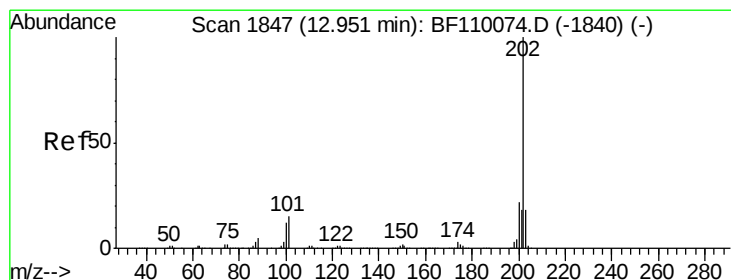
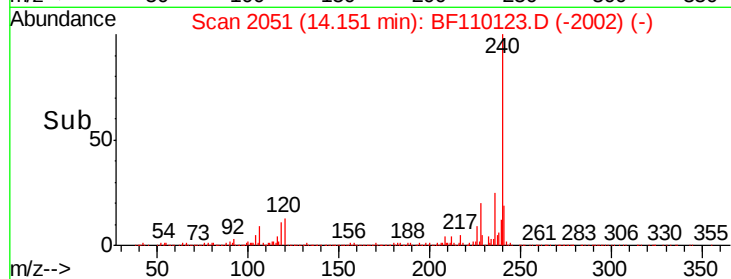
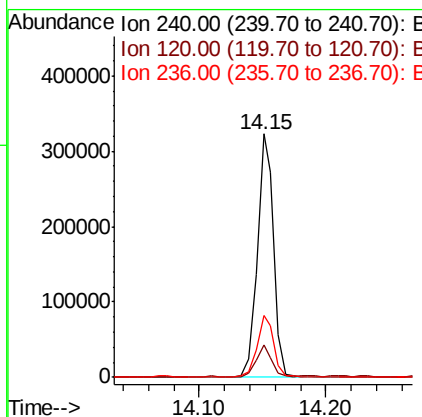
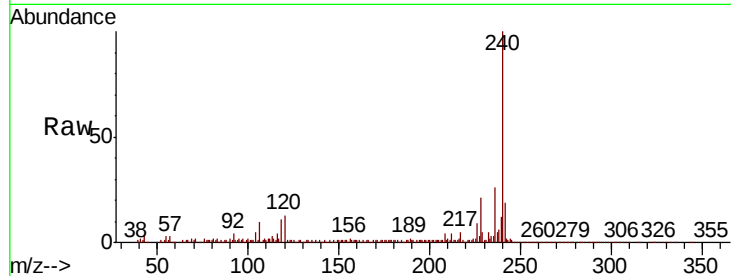




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

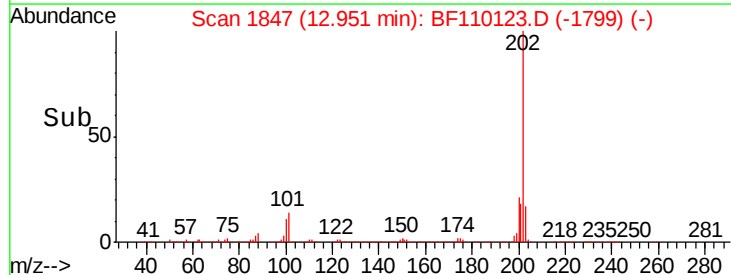
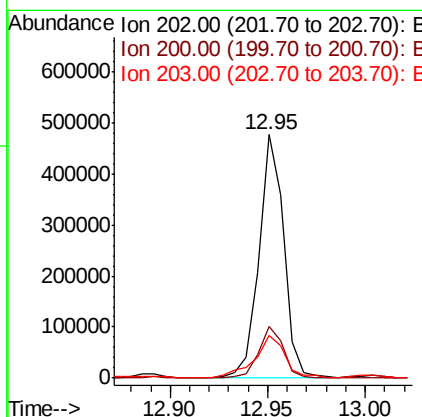
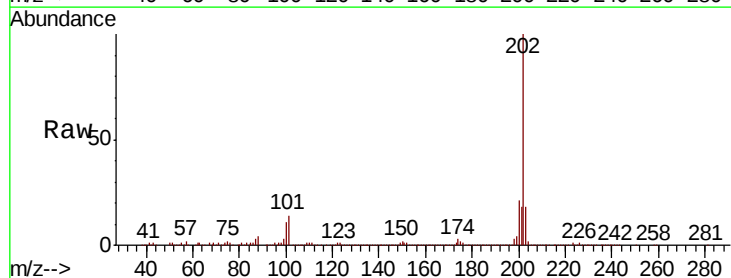
Instrument :
BNA_F
ClientSampleId :

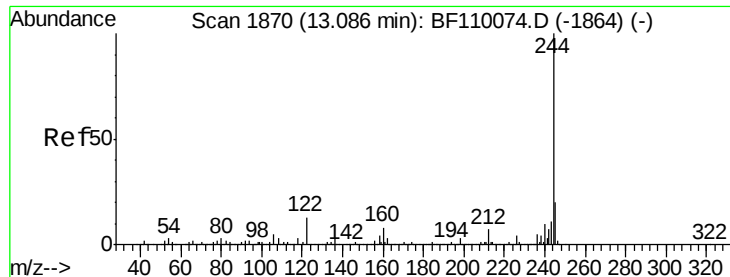
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.3	12.5#
236	25.6	21.2	31.8



#78
Pyrene
Concen: 19.878 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.6	14.2	21.4





#79

Terphenyl-d14

Concen: 32.714 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampleId :

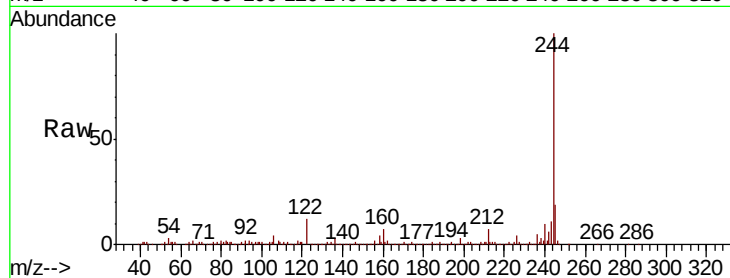
Tot Ion:244 Resp: 458314

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.7	8.7	13.1

244 100

212 7.2 5.8 8.8

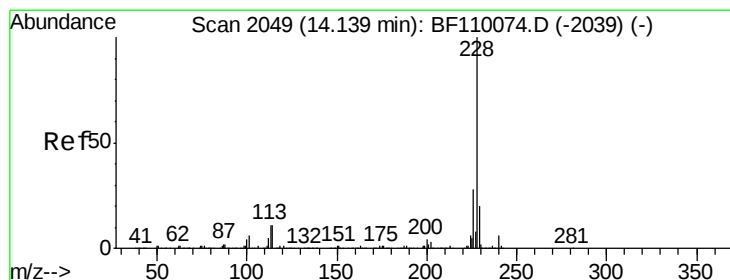
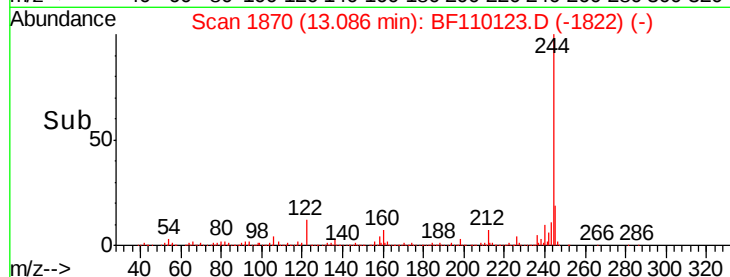
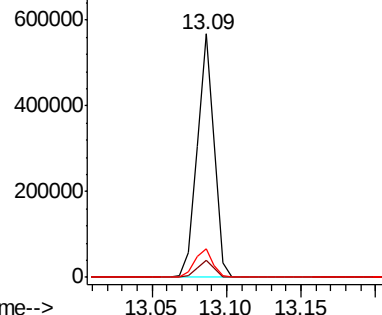
122 11.7 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 11.526 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

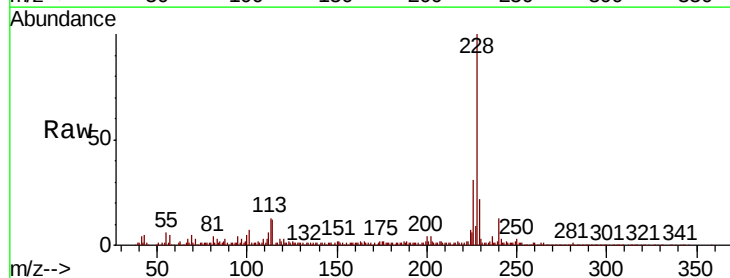
Tgt Ion:228 Resp: 199153

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.1	33.1
229	21.6	15.6	23.4

228 100

226 31.0 22.1 33.1

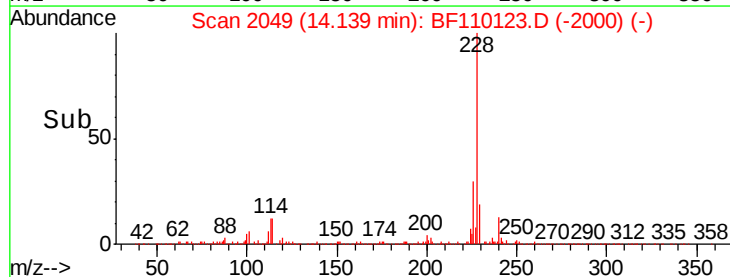
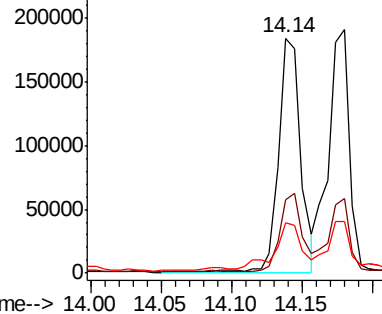
229 21.6 15.6 23.4

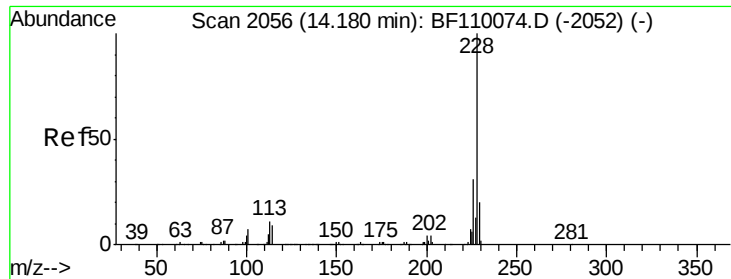


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.969 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampled :

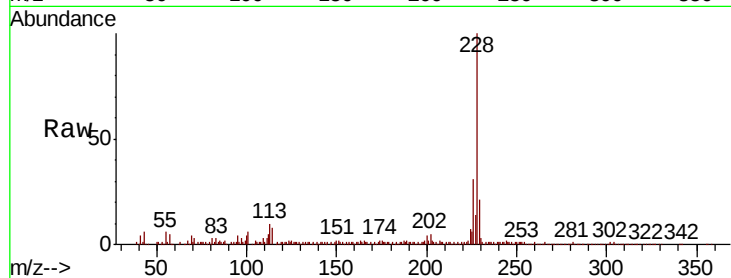
Tot Ion:228 Resp: 196425

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 21.3 15.9 23.9

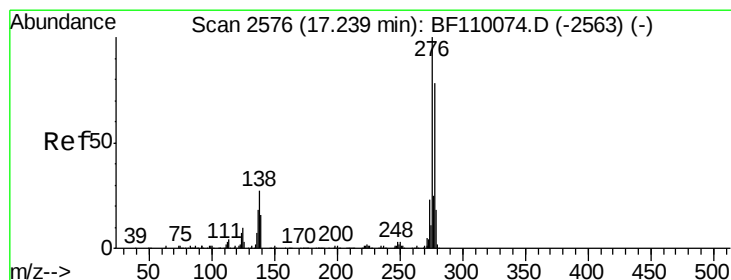
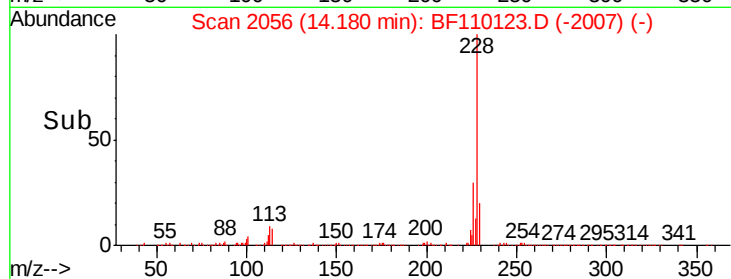
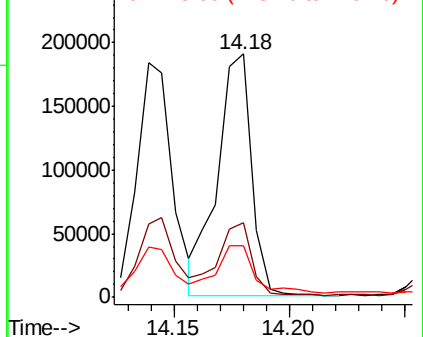


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.033 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

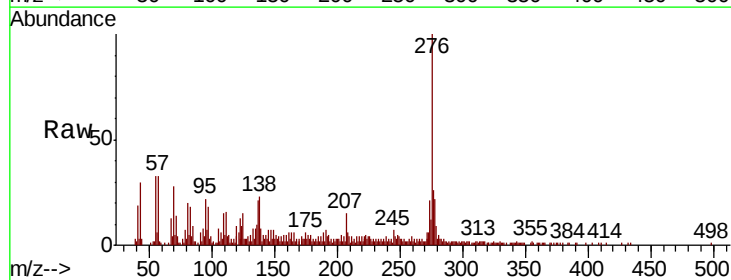
Tgt Ion:276 Resp: 68527

Ion Ratio Lower Upper

276 100

138 21.9 18.5 27.7

277 25.3 20.0 30.0

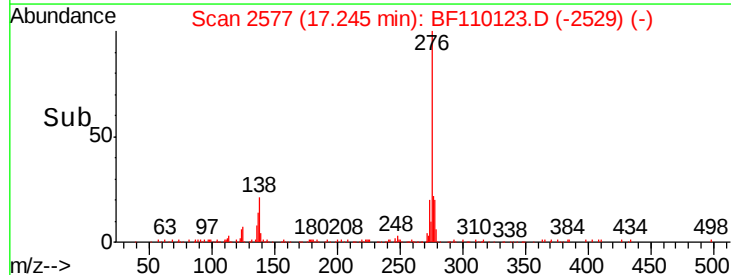
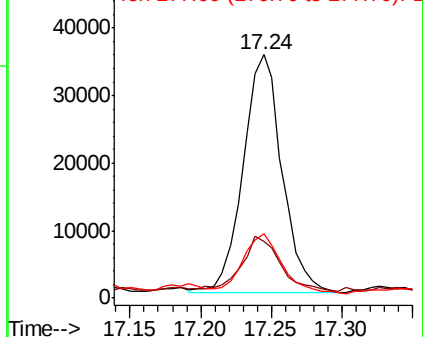


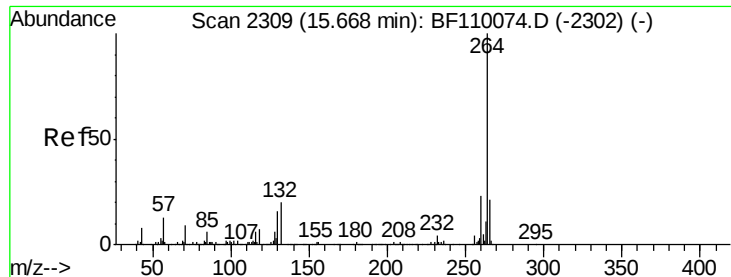
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

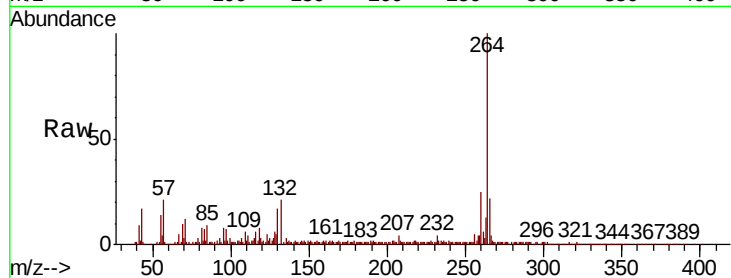
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 200289

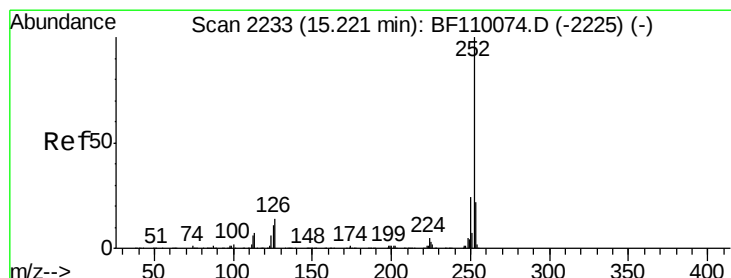
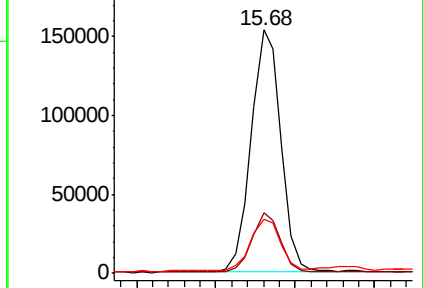
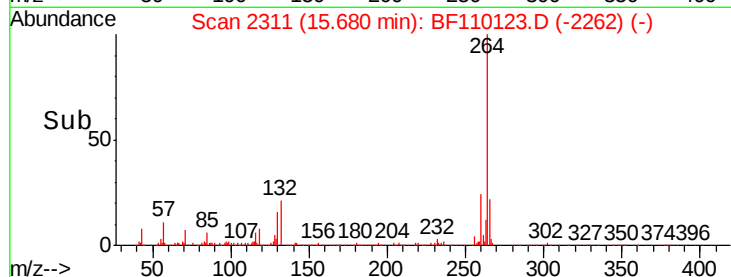
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	22.3	16.7	25.1



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



#88

Benzo(b)fluoranthene

Concen: 19.696 ng

RT: 15.23 min Scan# 2234

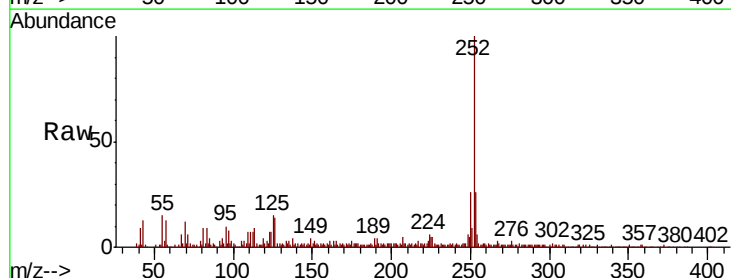
Delta R.T. -0.01 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Tgt Ion:252 Resp: 227808

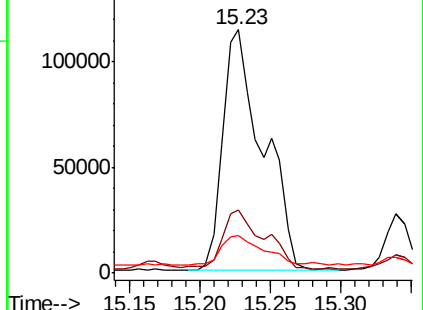
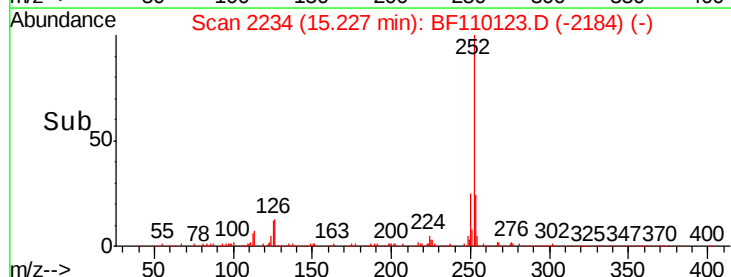
Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	15.5	8.2	12.4#

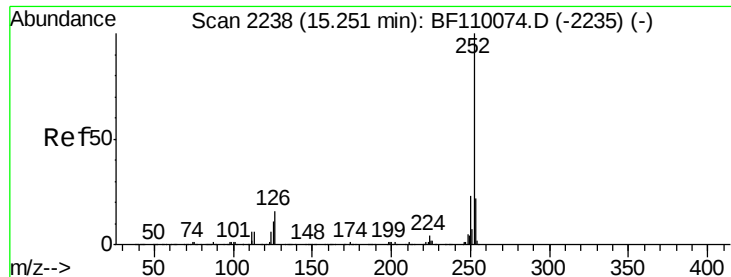


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

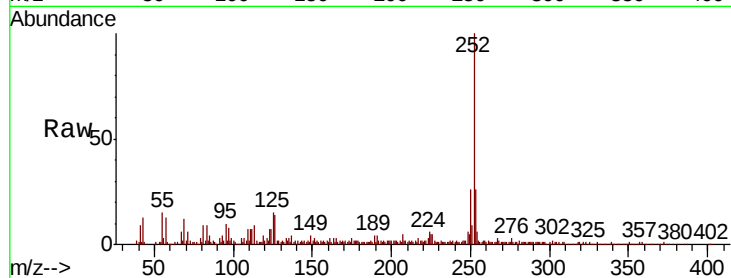




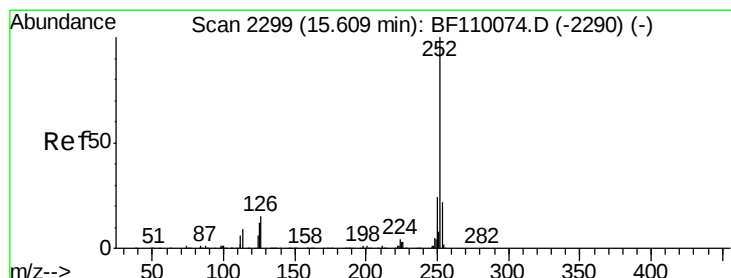
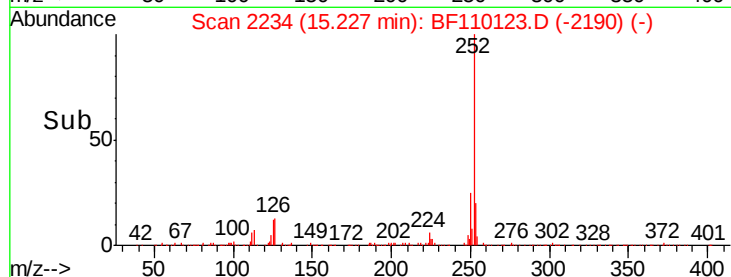
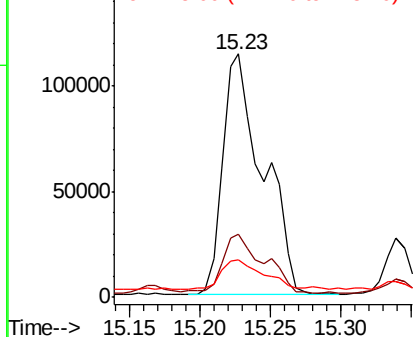
#89
Benzo(k)fluoranthene
Concen: 20.035 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 227808
Ion Ratio Lower Upper
252 100
253 26.0 17.2 25.8#
125 15.5 7.4 11.0#

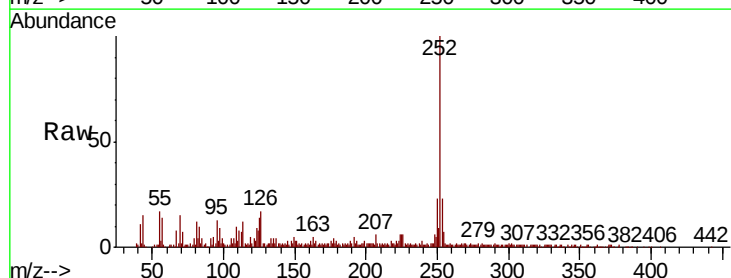


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

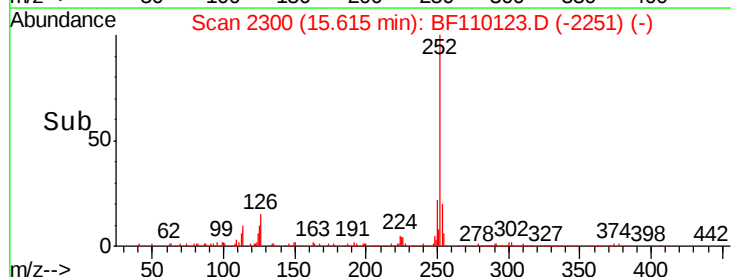
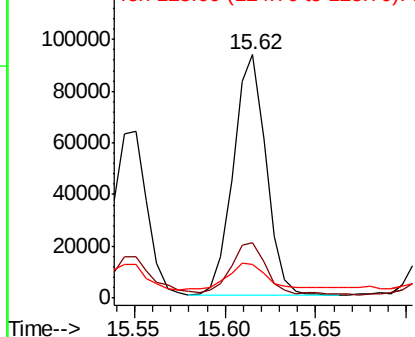


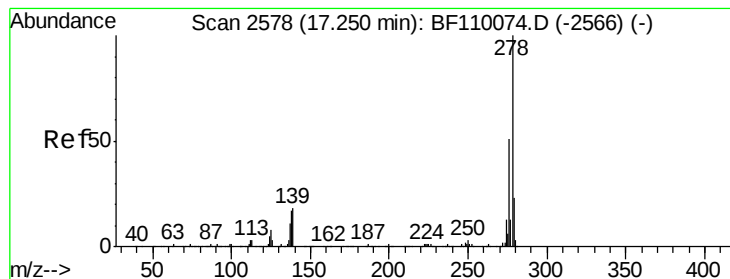
#90
Benzo(a)pyrene
Concen: 11.037 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110123.D
Acq: 24 Oct 2018 19:00

Tgt Ion:252 Resp: 117461
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 14.0 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





#91

Dibenzo(a,h)anthracene

Concen: 2.061 ng

RT: 17.26 min Scan# 2579

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

Instrument :

BNA_F

ClientSampleId :

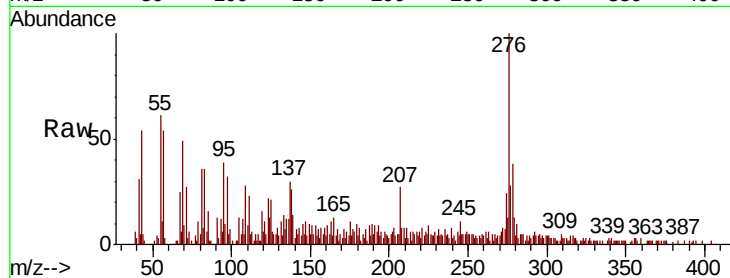
Tot Ion:278 Resp: 18928

Ion Ratio Lower Upper

278 100

139 37.2 12.7 19.1#

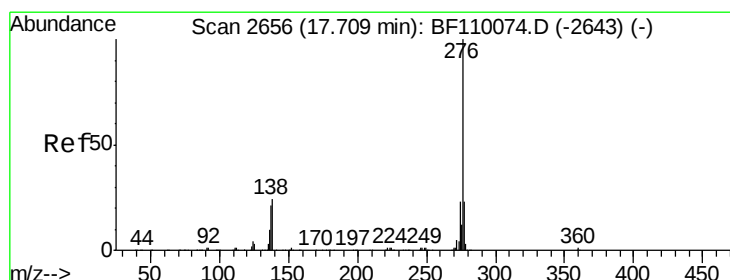
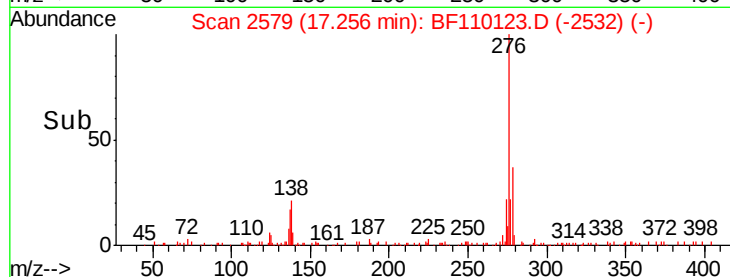
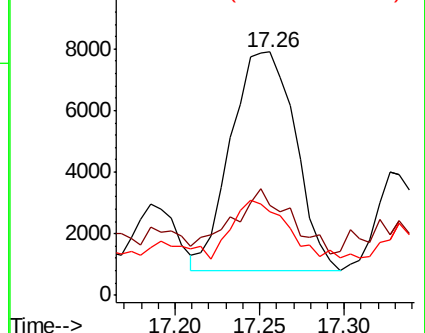
279 34.3 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.822 ng

RT: 17.72 min Scan# 2658

Delta R.T. -0.02 min

Lab File: BF110123.D

Acq: 24 Oct 2018 19:00

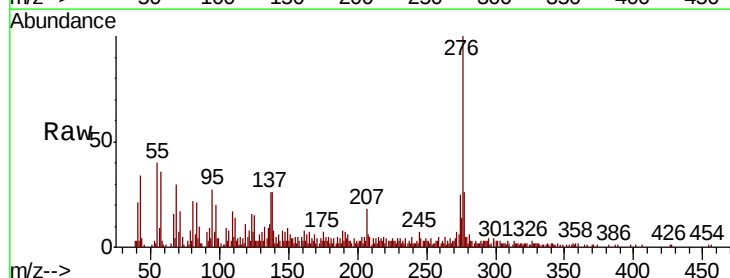
Tgt Ion:276 Resp: 61728

Ion Ratio Lower Upper

276 100

277 26.0 18.8 28.2

138 26.4 16.0 24.0#



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

