

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110285.D
 Acq On : 30 Oct 2018 1:48
 Operator : JU/SJ
 Sample : J5685-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:49:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	93013	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	347368	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	135763	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	217681	20.00	ng	0.00
76) Chrysene-d12	14.16	240	143907	20.00	ng	0.00
87) Perylene-d12	15.69	264	104249	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	496803	86.98	ng	0.00
7) Phenol-d6	6.59	99	612990	83.91	ng	0.00
23) Nitrobenzene-d5	7.53	82	364971	62.32	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	90227	67.09	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	684935	79.22	ng	0.00
79) Terphenyl-d14	13.09	244	518103	74.88	ng	0.00

Target Compounds

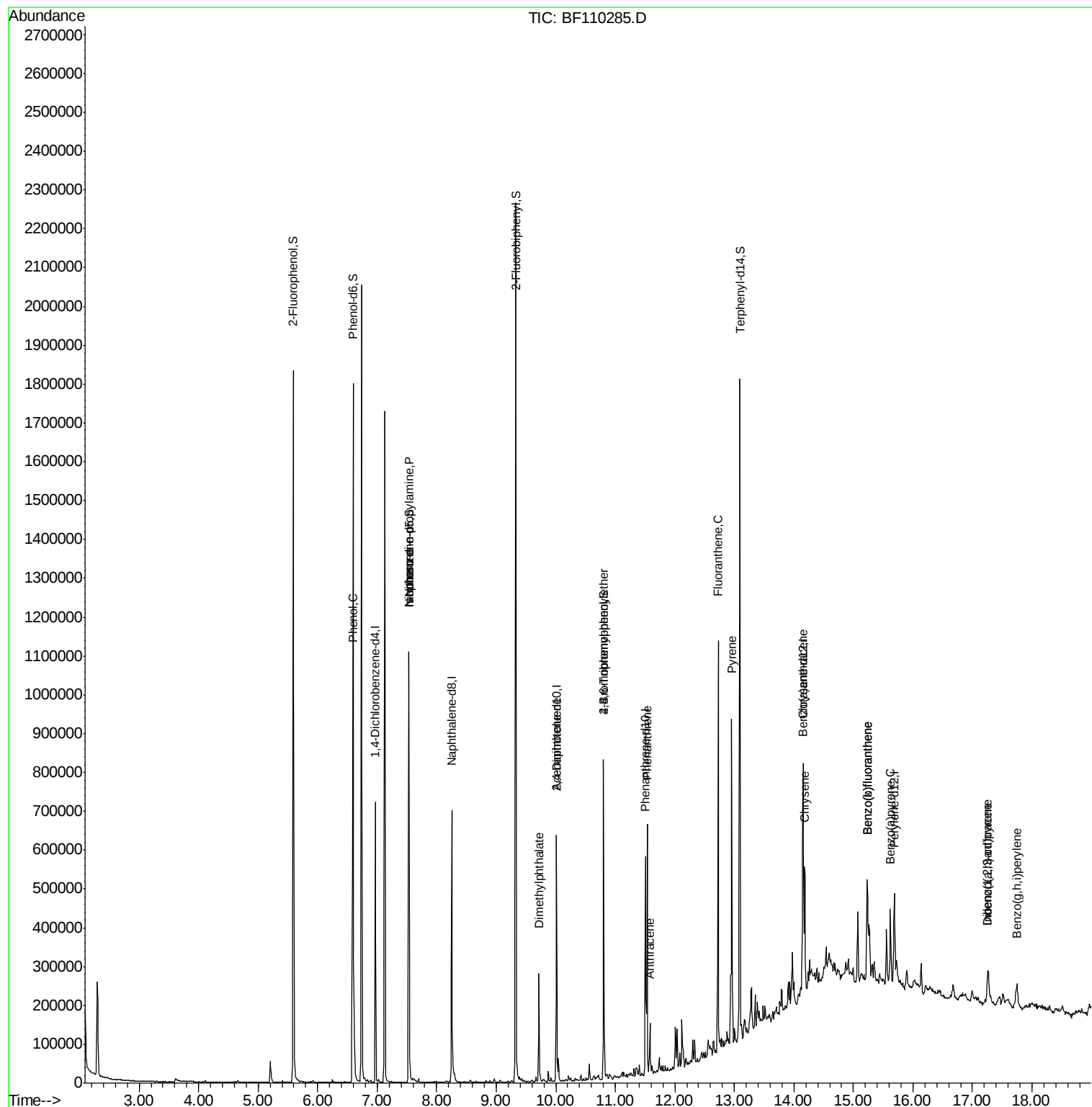
						Qvalue
9) Benzaldehyde	6.60	77	1415	Below Cal	#	1
10) Phenol	6.60	94	44044	5.640 ng	#	64
19) n-Nitroso-di-n-propylamine	7.53	70	49114	10.479 ng	#	79
25) Isophorone	7.53	82	364967	36.559 ng	#	67
50) Dimethylphthalate	9.72	163	112419	11.218 ng		100
57) 2,4-Dinitrotoluene	10.01	165	17808	6.495 ng	#	18
67) 4-Bromophenyl-phenylether	10.80	248	6069	2.570 ng	#	1
71) Phenanthrene	11.53	178	230474	20.235 ng		98
72) Anthracene	11.58	178	53494	4.686 ng		99
75) Fluoranthene	12.73	202	398940	34.512 ng		99
78) Pyrene	12.96	202	331078	32.091 ng		98
81) Benzo(a)anthracene	14.14	228	145813	17.086 ng		99
83) Chrysene	14.18	228	131618	16.238 ng		98
86) Indeno(1,2,3-cd)pyrene	17.26	276	56886	8.460 ng		98
88) Benzo(b)fluoranthene	15.23	252	184042	30.572 ng	#	96
89) Benzo(k)fluoranthene	15.23	252	184042	31.097 ng	#	95
90) Benzo(a)pyrene	15.62	252	91618	16.539 ng	#	96
91) Dibenzo(a,h)anthracene	17.26	278	15369	3.215 ng	#	79
92) Benzo(a,h,i)perylene	17.74	276	55876	11.863 ng		97

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

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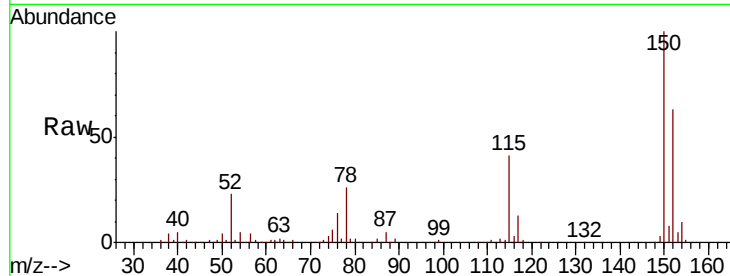


#1

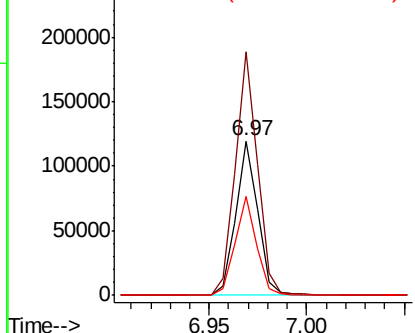
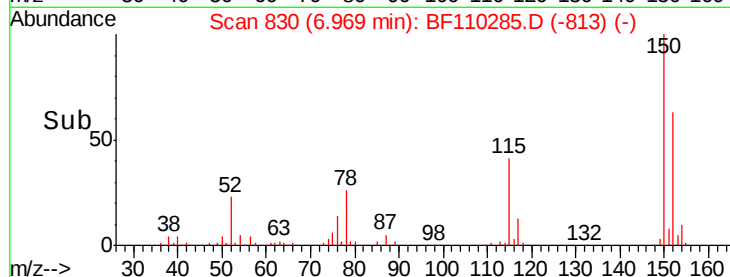
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 93013
Ion Ratio Lower Upper
152 100
150 158.0 122.7 184.1
115 64.2 49.1 73.7



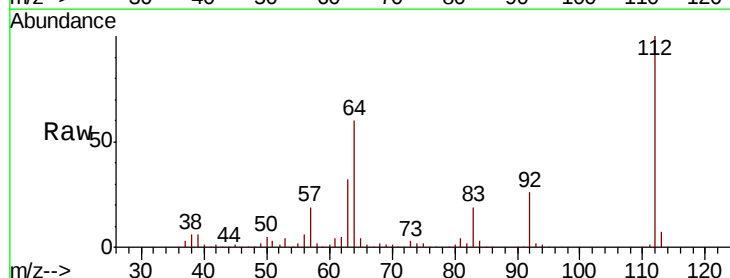
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



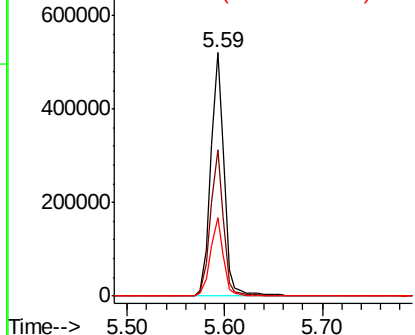
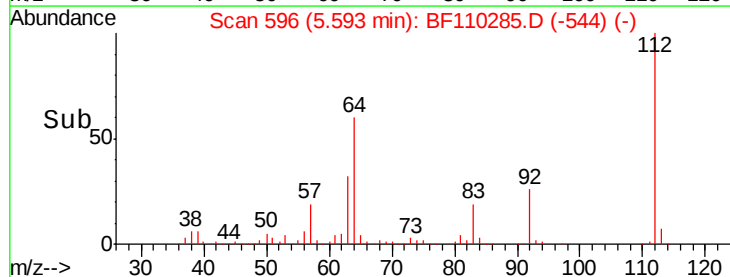
#5

2-Fluorophenol
Concen: 86.979 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion:112 Resp: 496803
Ion Ratio Lower Upper
112 100
64 60.4 44.1 66.1
63 32.5 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: 83.905 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

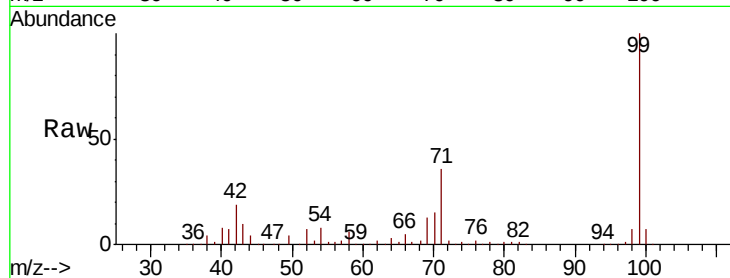
Tot Ion: 99 Resp: 612990

Ion Ratio Lower Upper

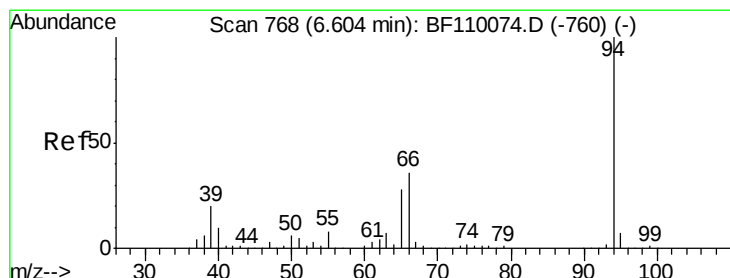
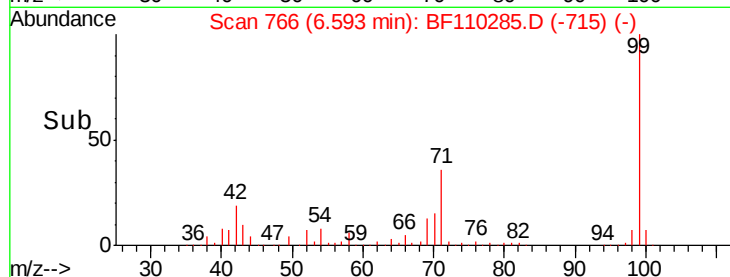
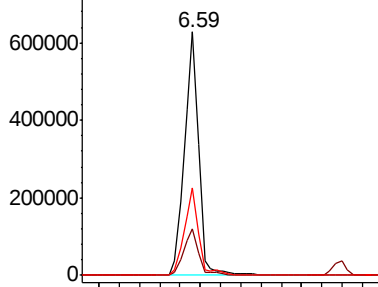
99 100

42 19.3 15.8 23.6

71 35.9 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: 5.640 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

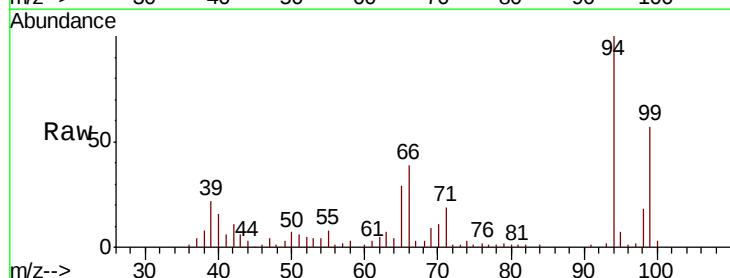
Tgt Ion: 94 Resp: 44044

Ion Ratio Lower Upper

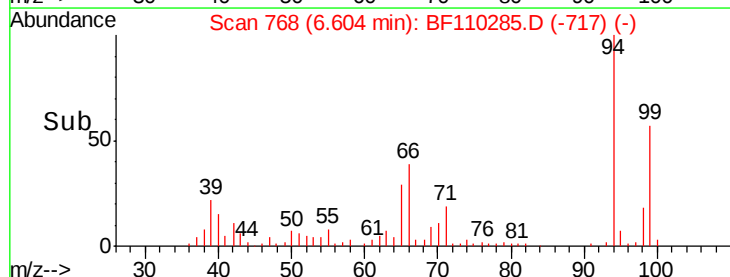
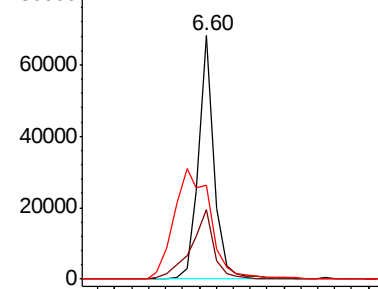
94 100

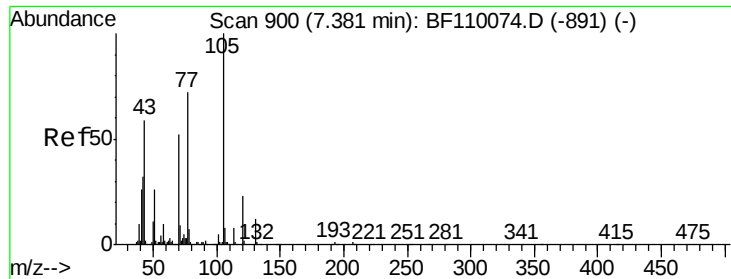
65 28.7 25.3 65.3

66 38.6 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

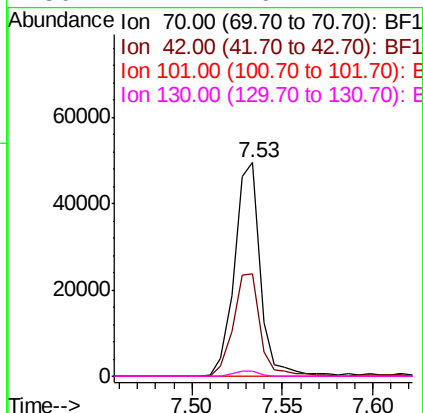
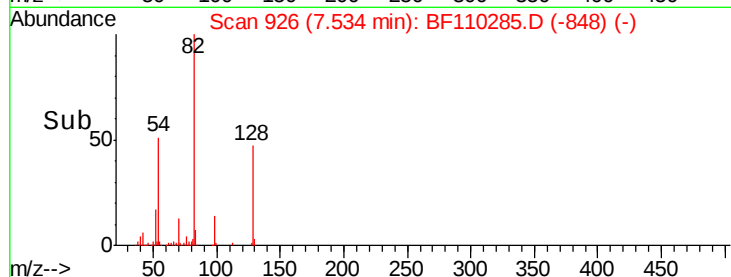
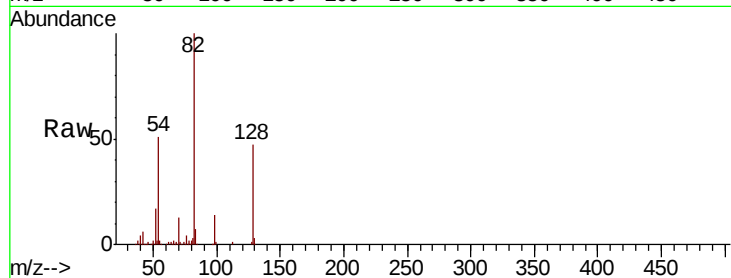




#19
n-Nitroso-di-n-propylamine
Concen: 10.479 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.16 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

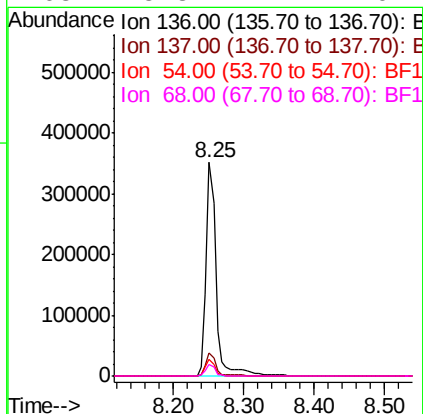
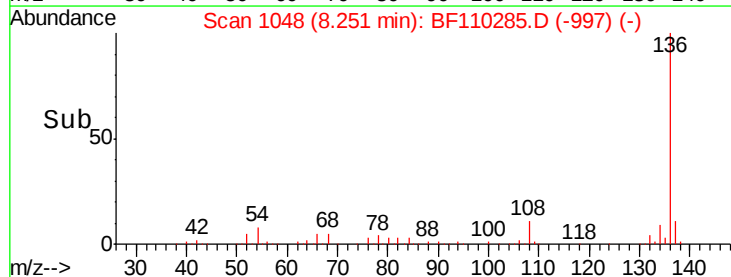
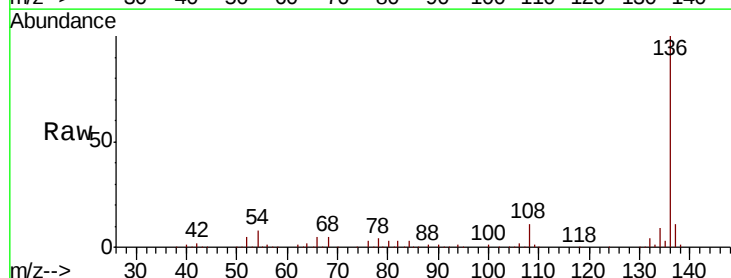
Instrument :
BNA_F
ClientSampleId :

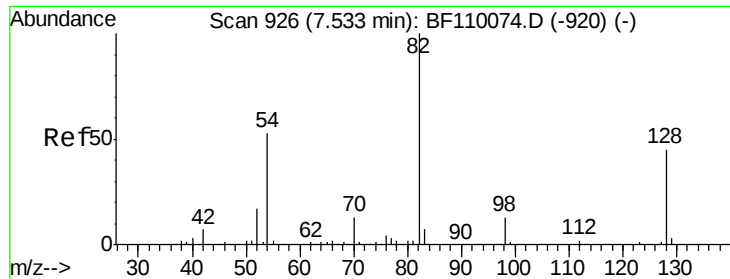
Tot Ion: 70 Resp: 49114
Ion Ratio Lower Upper
70 100
42 48.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion: 136 Resp: 347368
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.1 5.4 8.2
68 5.3 4.2 6.2

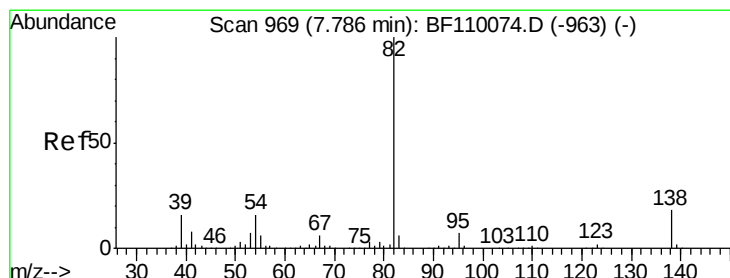
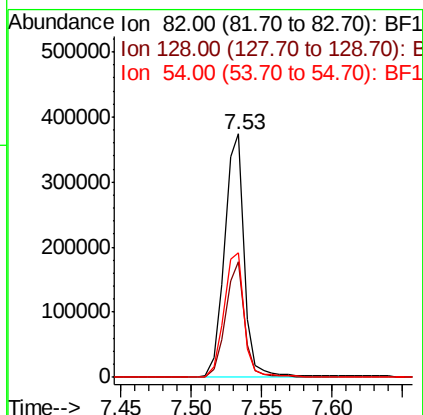
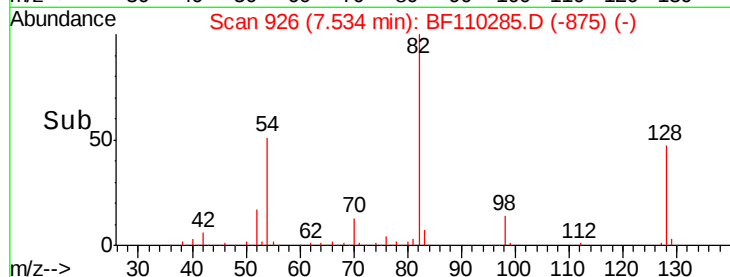
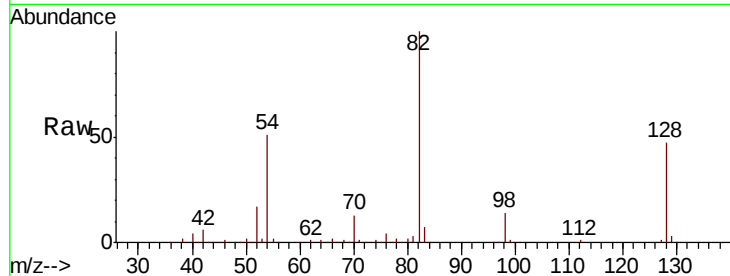




#23
Nitrobenzene-d5
Concen: 62.319 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

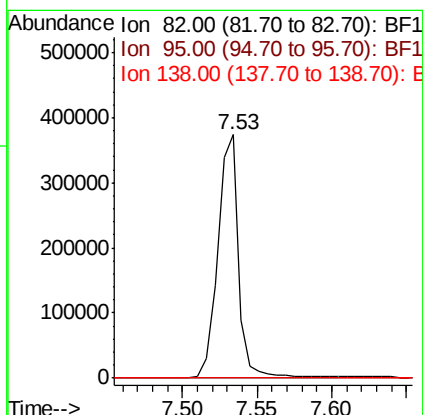
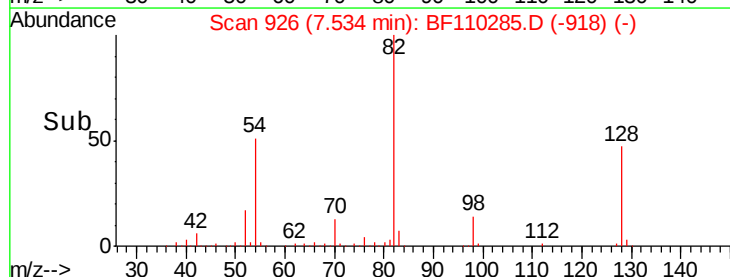
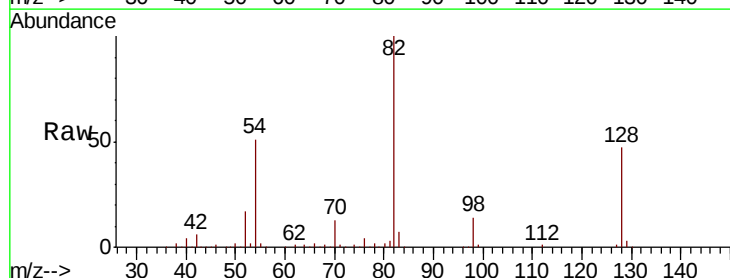
Instrument :
BNA_F
ClientSampleId :

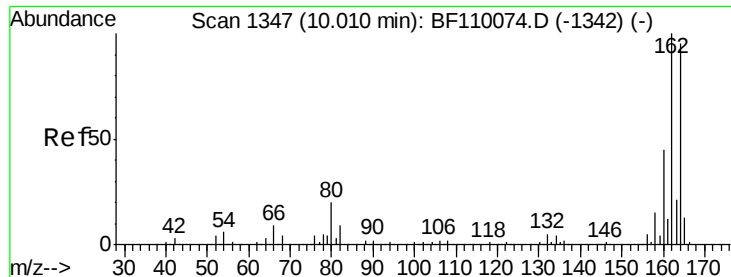
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.2	51.2
54	50.9	38.6	58.0



#25
Isophorone
Concen: 36.559 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

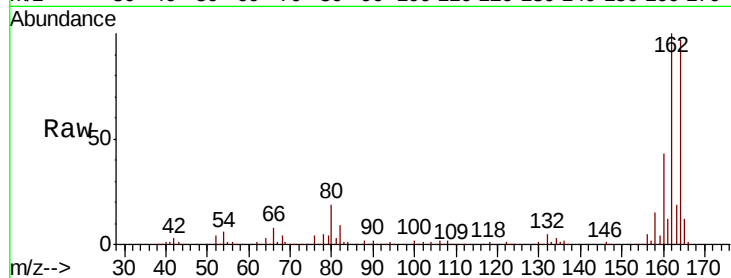
Tot Ion:164 Resp: 135763

Ion Ratio Lower Upper

164 100

162 103.0 83.0 124.6

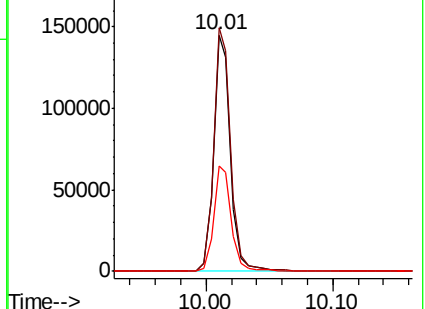
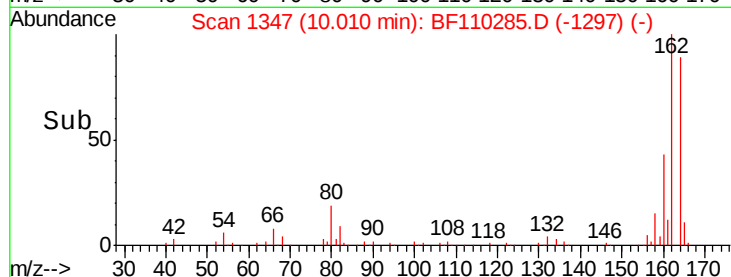
160 44.6 37.0 55.6



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: 67.092 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

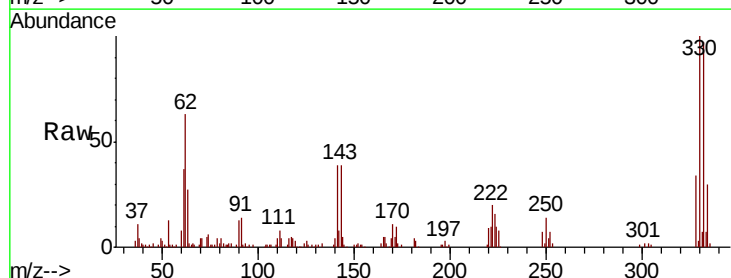
Tgt Ion:330 Resp: 90227

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

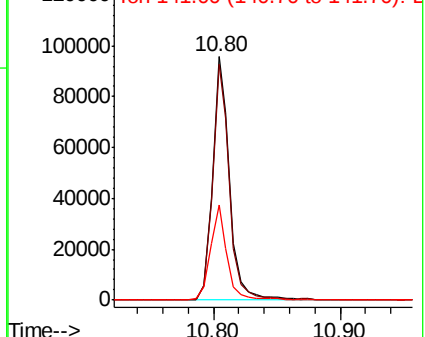
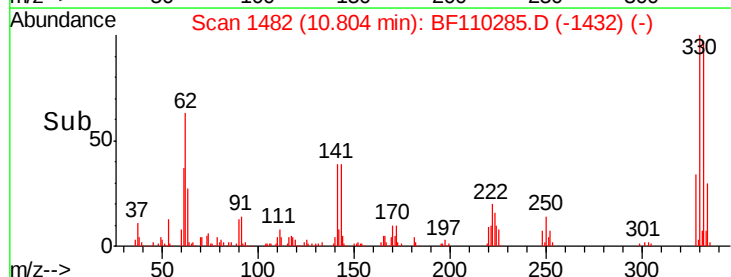
141 38.4 27.0 40.4



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

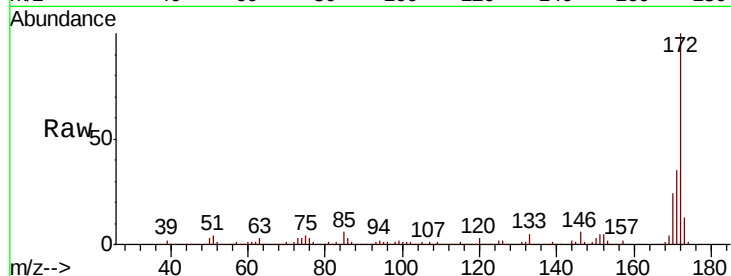




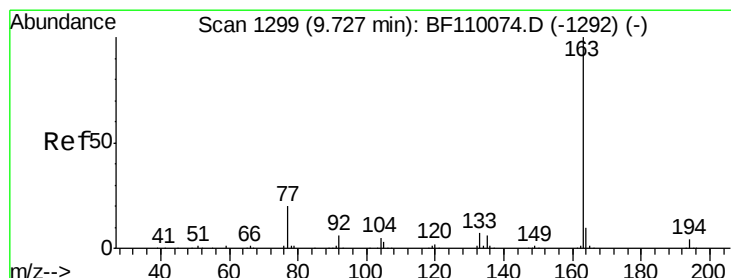
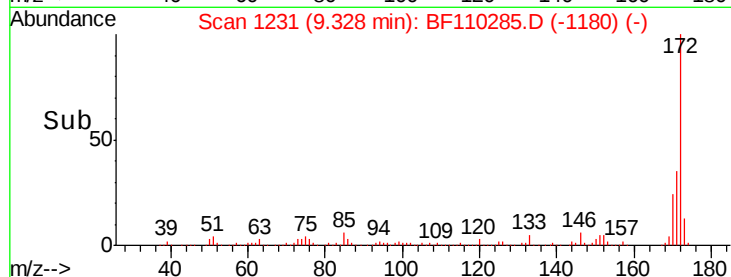
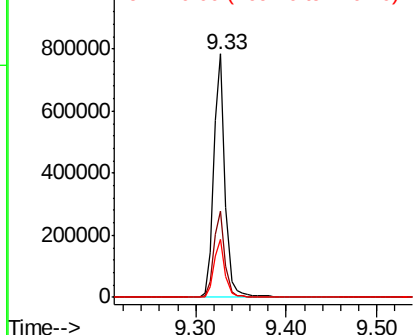
#45
2-Fluorobiphenyl
Concen: 79.221 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 684935
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 19.7 29.5

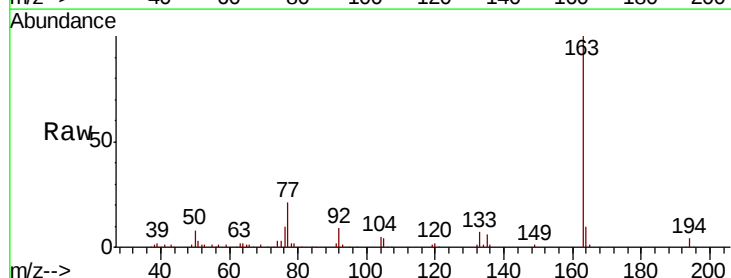


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

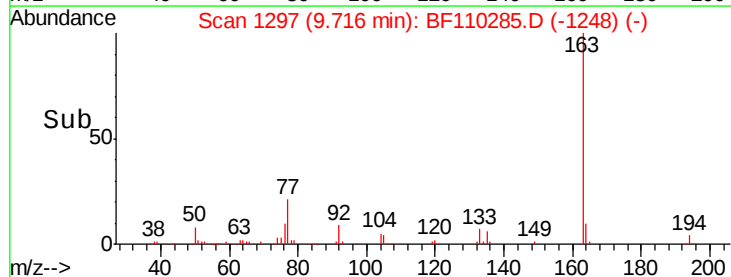
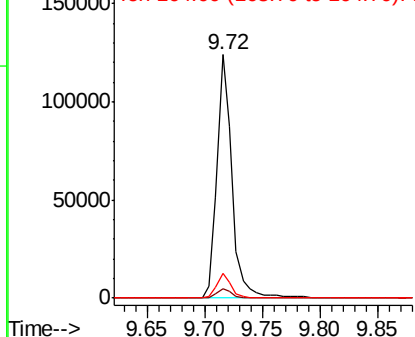


#50
Dimethylphthalate
Concen: 11.218 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion:163 Resp: 112419
Ion Ratio Lower Upper
163 100
194 3.7 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

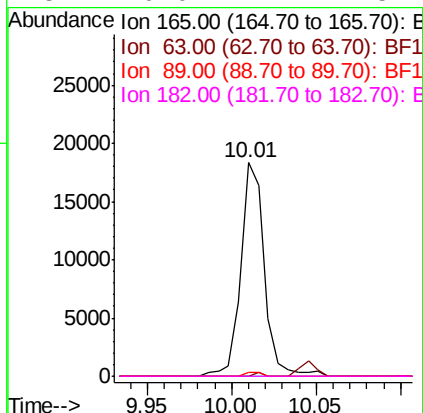
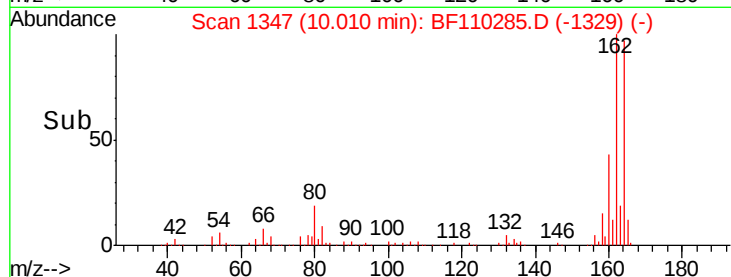
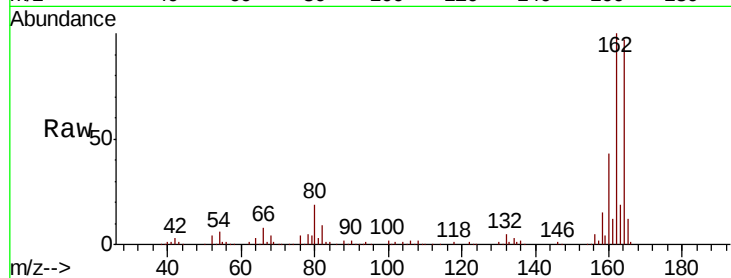




#57
2,4-Dinitrotoluene
Concen: 6.495 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

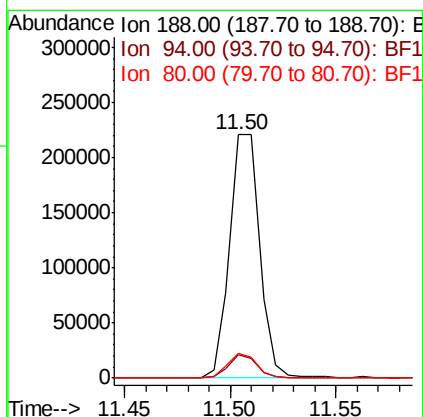
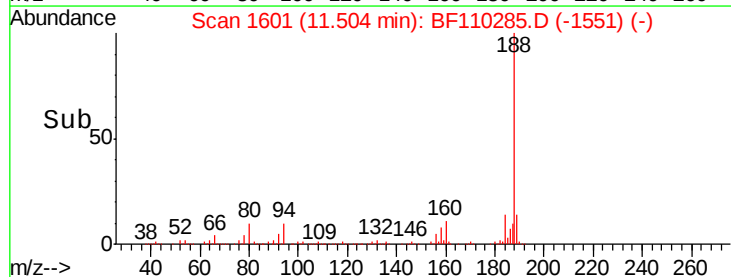
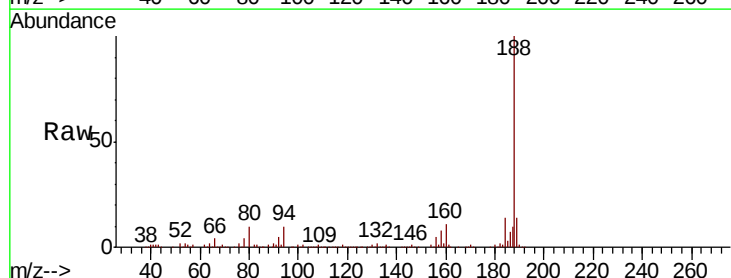
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.7	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.2	10.8
80	10.2	7.9	11.9

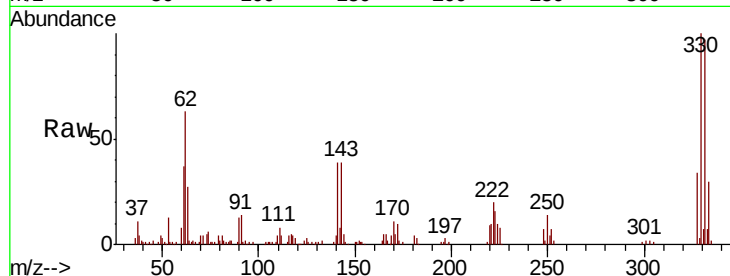




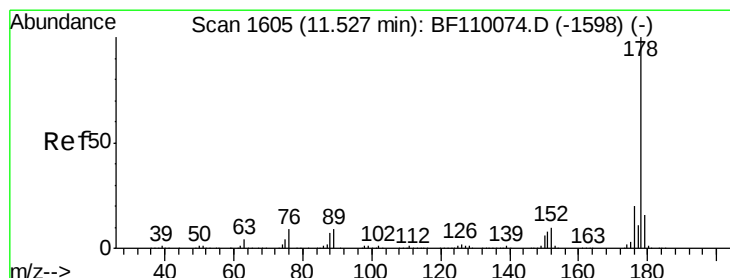
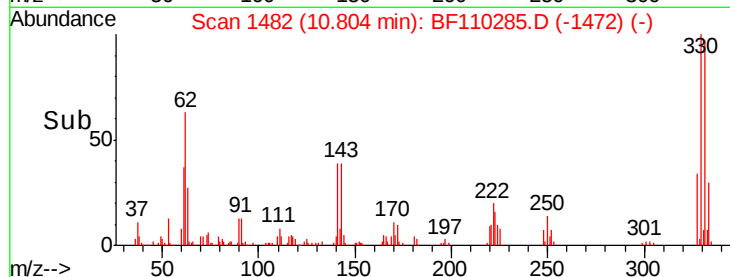
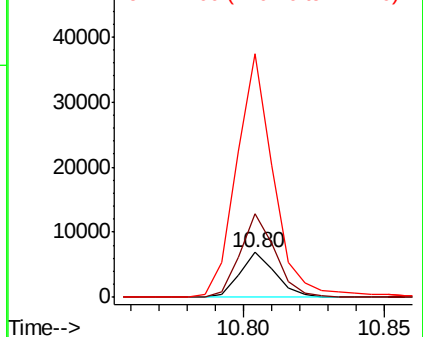
#67
4-Bromophenyl-phenylether
Concen: 2.570 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6069
Ion Ratio Lower Upper
248 100
250 186.3 79.4 119.2#
141 539.1 55.9 83.9#

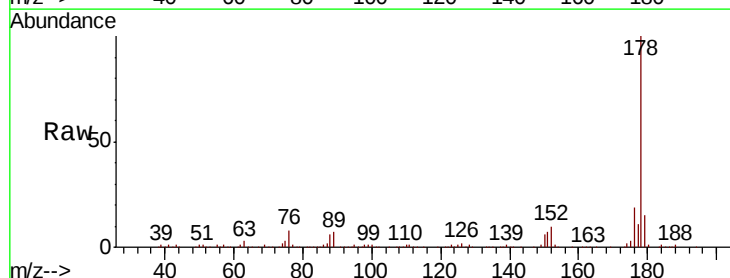


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

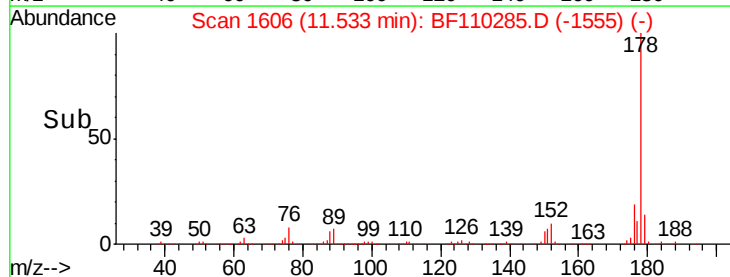
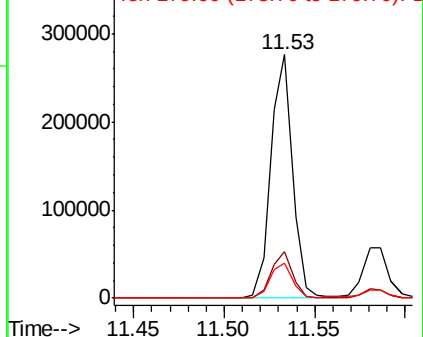


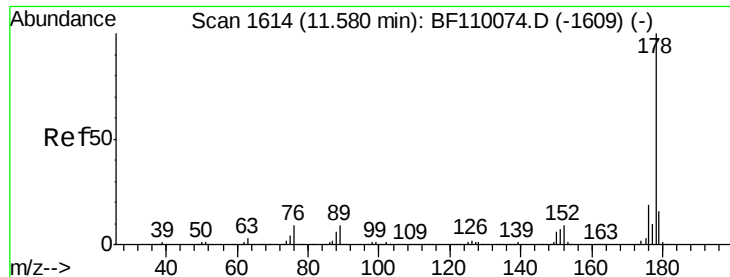
#71
Phenanthrene
Concen: 20.235 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion:178 Resp: 230474
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.6 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: 4.686 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

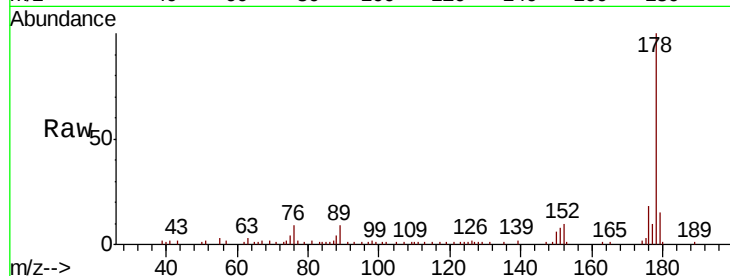
Tot Ion:178 Resp: 53494

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

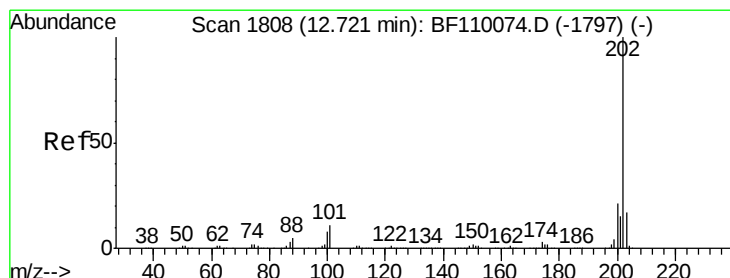
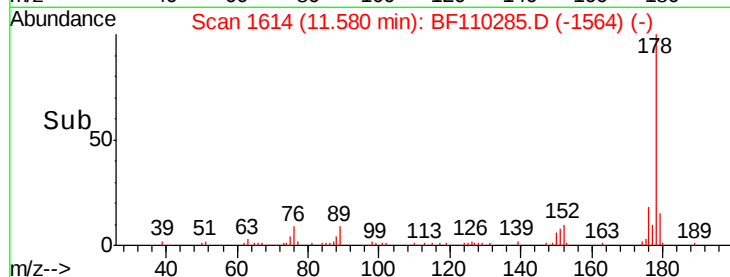
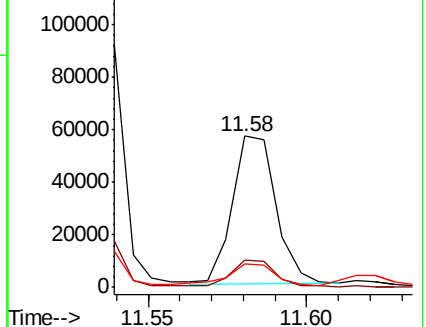
179 15.5 12.6 18.8



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: 34.512 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

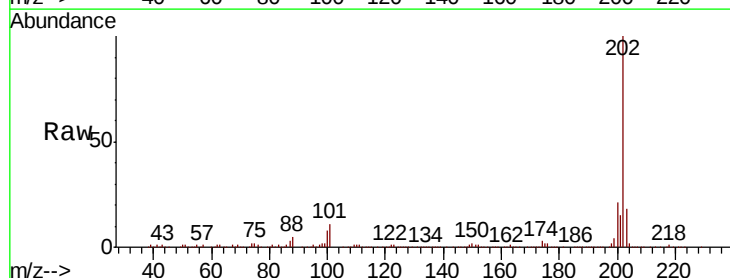
Tgt Ion:202 Resp: 398940

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

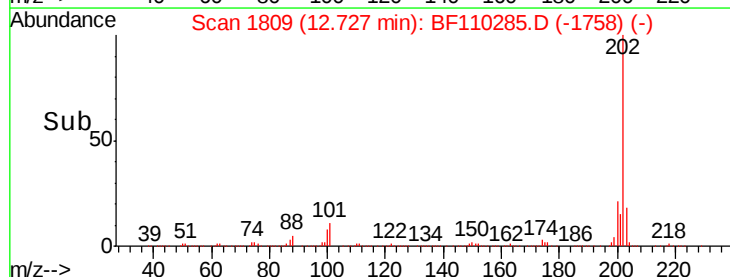
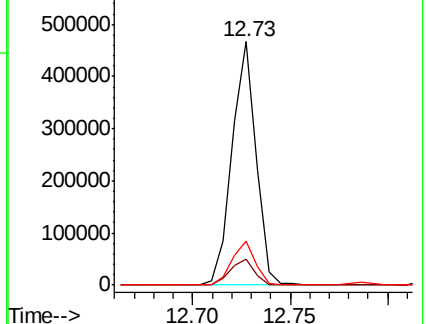
203 17.8 0.0 37.7

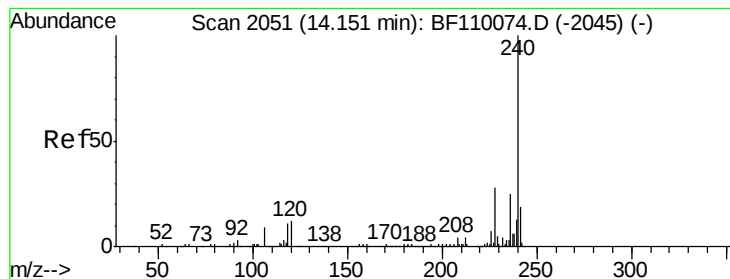


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

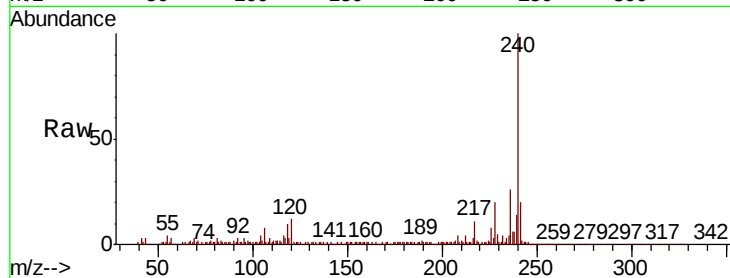
Tot Ion:240 Resp: 143907

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

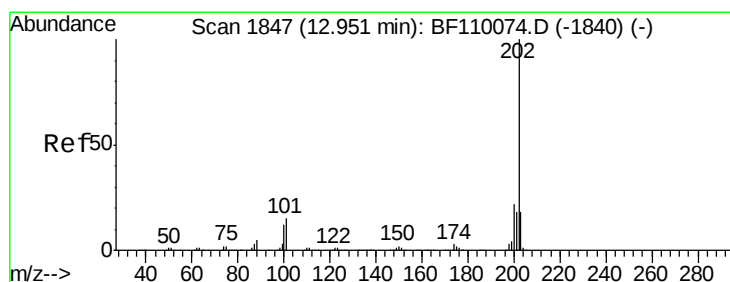
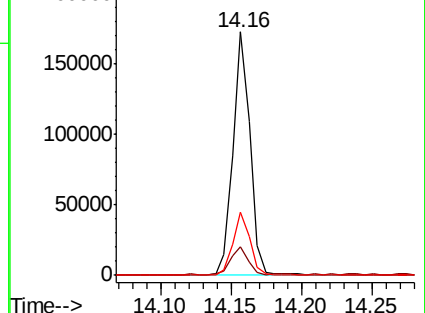
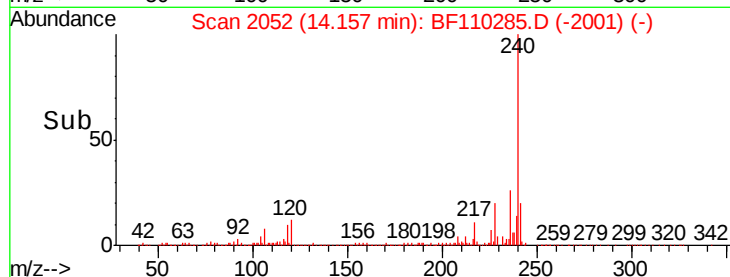
236 25.9 21.2 31.8



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



#78

Pyrene

Concen: 32.091 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

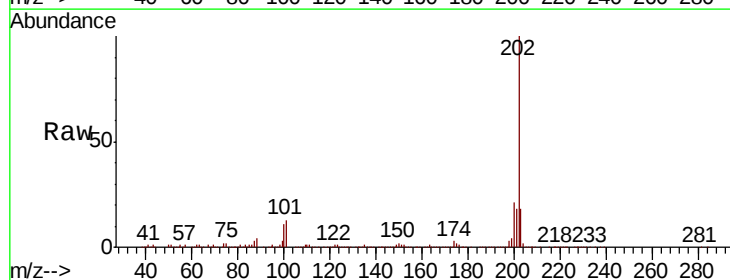
Tgt Ion:202 Resp: 331078

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

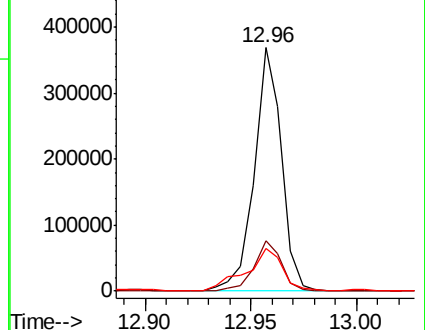
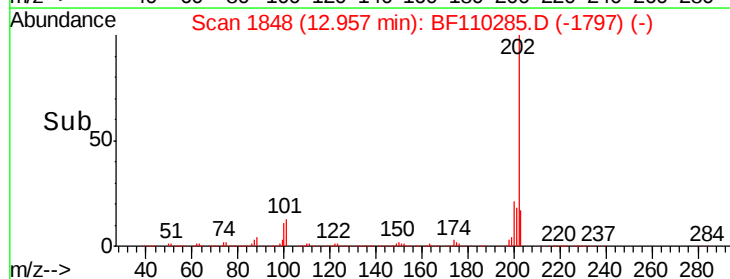
203 17.5 14.2 21.4

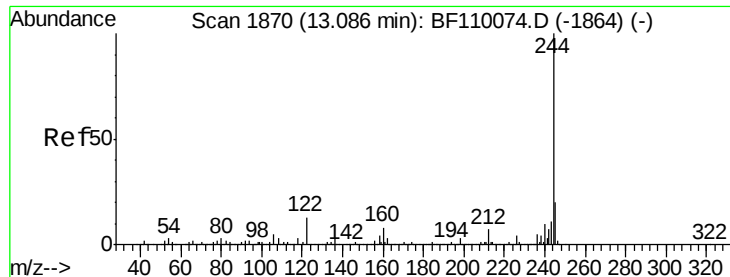


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.875 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

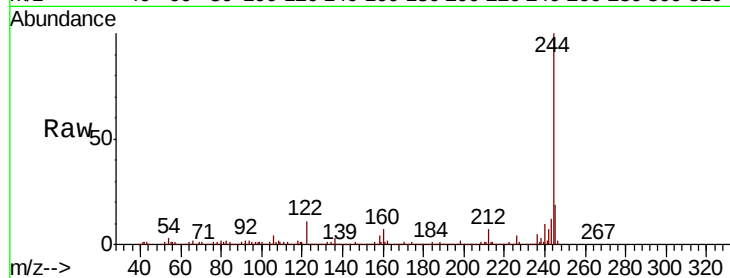
Tot Ion:244 Resp: 518103

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

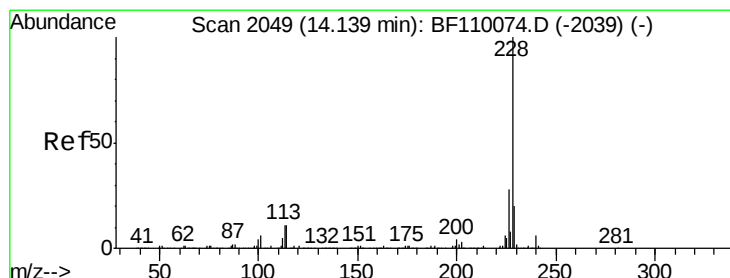
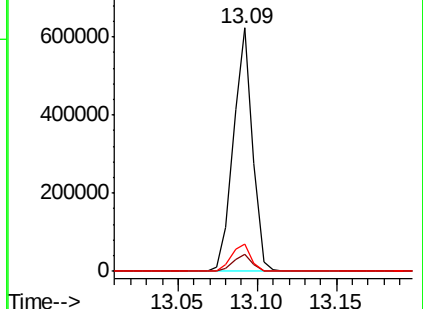
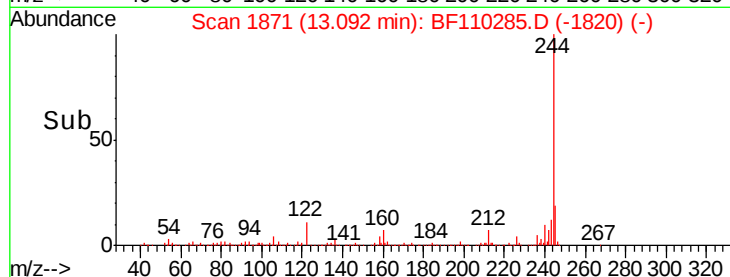
122 11.4 8.7 13.1



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: 17.086 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

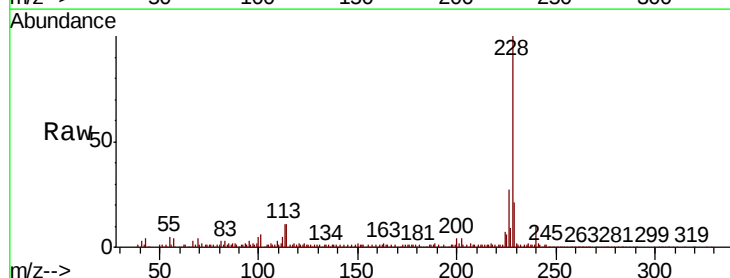
Tgt Ion:228 Resp: 145813

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

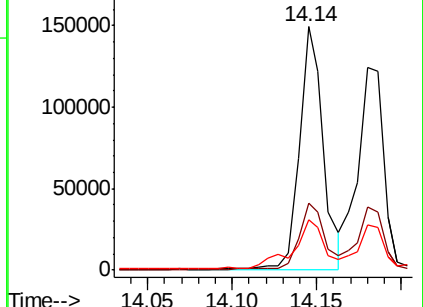
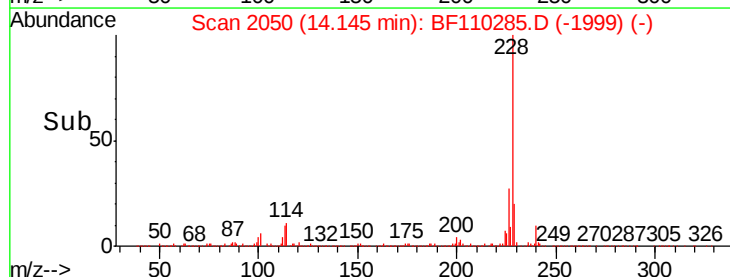
229 20.7 15.6 23.4

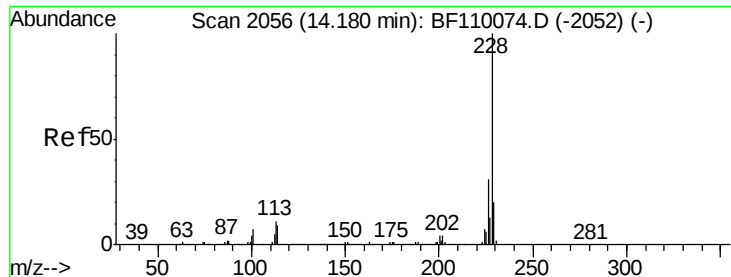


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 16.238 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

Instrument :

BNA_F

ClientSampleId :

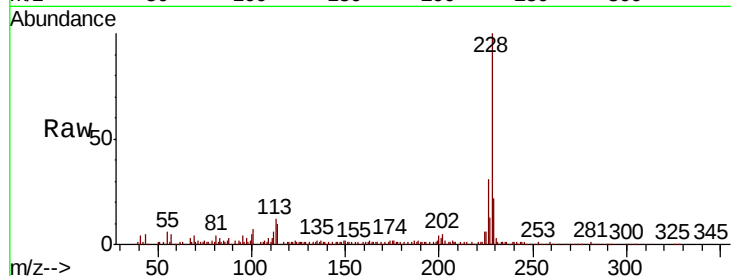
Tot Ion:228 Resp: 131618

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

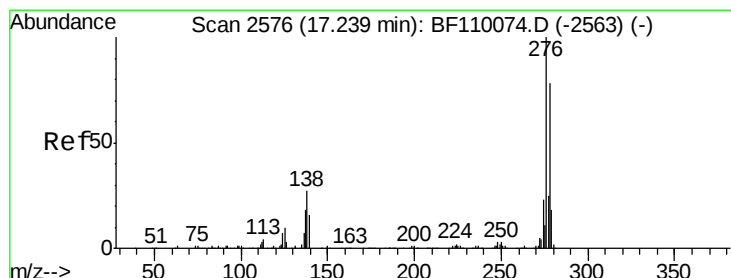
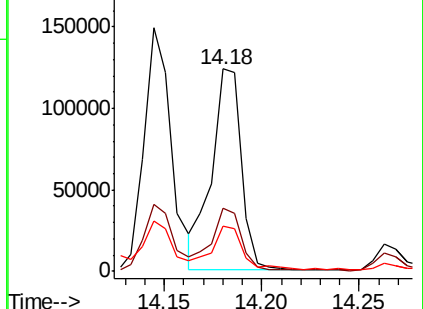
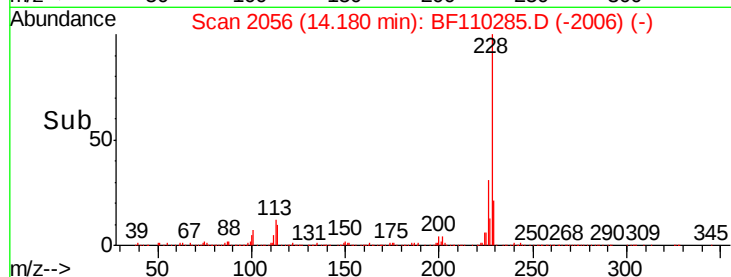
229 22.2 15.9 23.9



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: 8.460 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BF110285.D

Acq: 30 Oct 2018 1:48

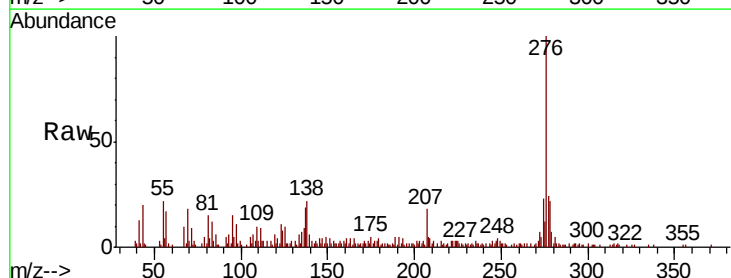
Tgt Ion:276 Resp: 56886

Ion Ratio Lower Upper

276 100

138 21.7 18.5 27.7

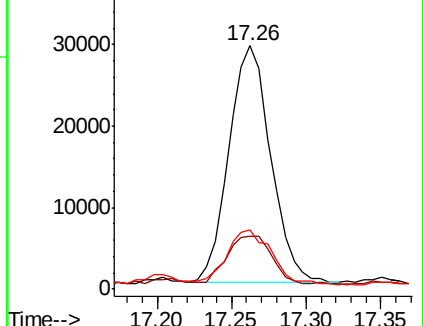
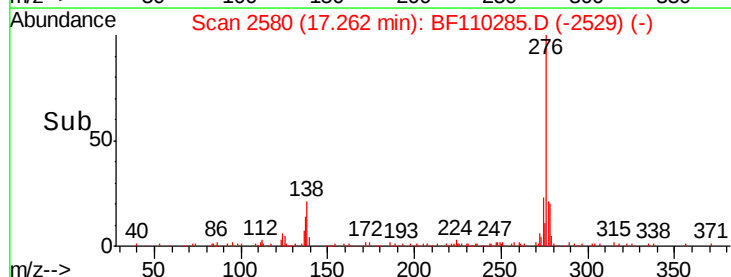
277 26.1 20.0 30.0

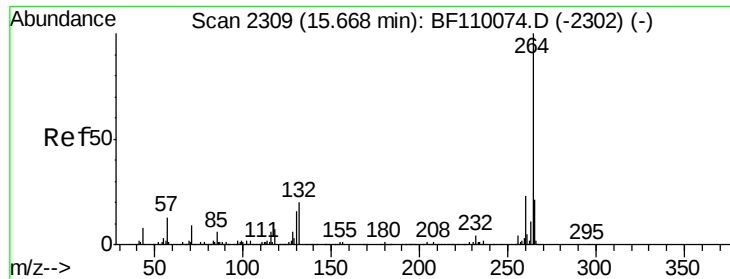


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



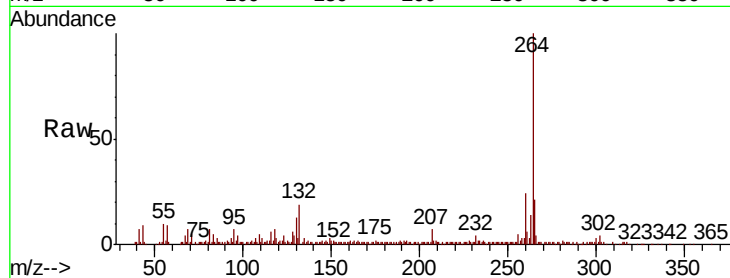


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

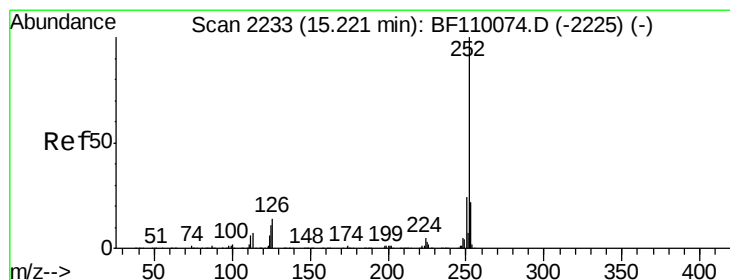
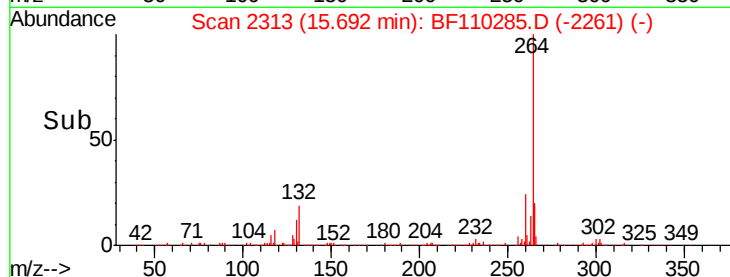
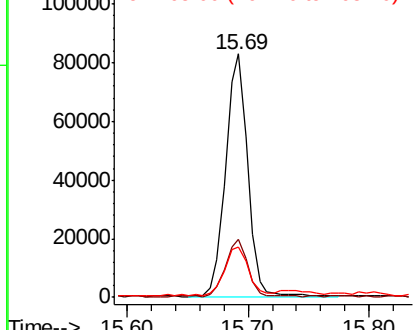
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 104249

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	20.8	16.7	25.1



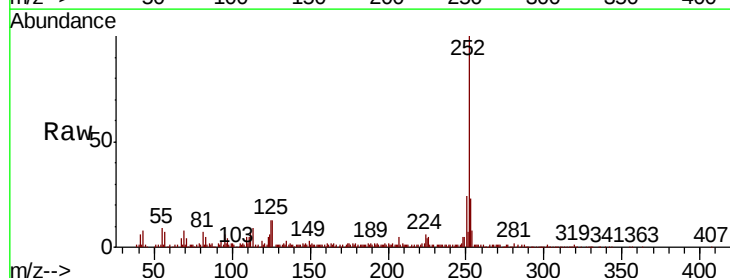
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



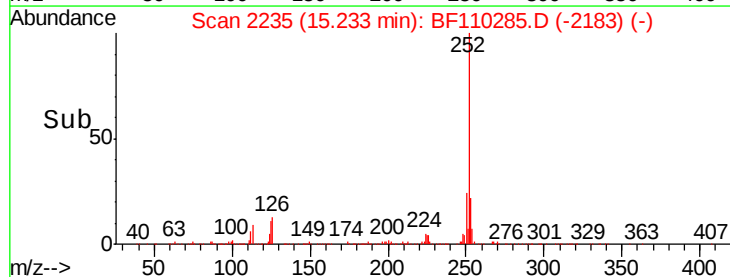
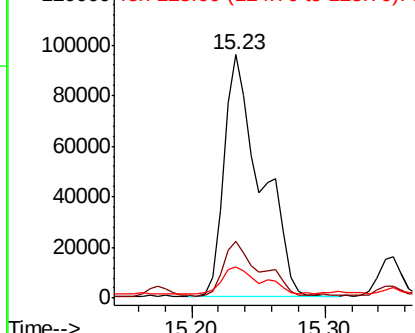
#88
Benzo(b)fluoranthene
Concen: 30.572 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

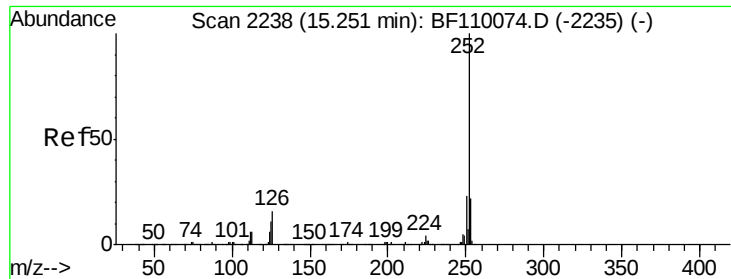
Tgt Ion:252 Resp: 184042

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.7	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

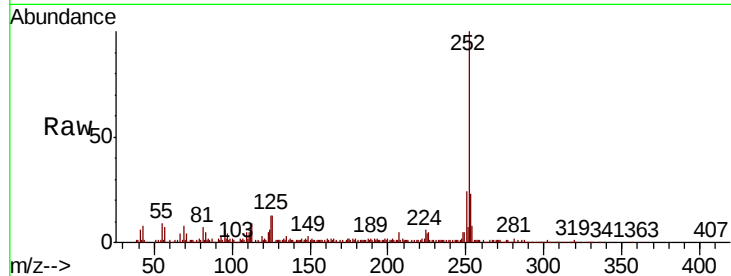




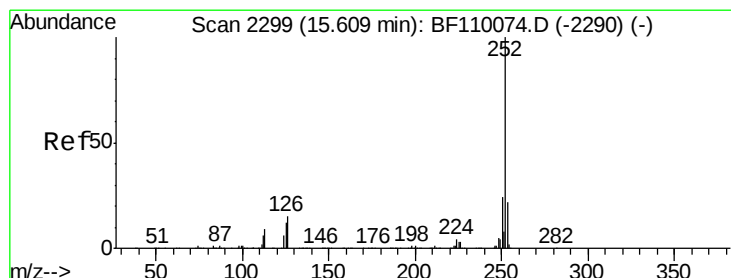
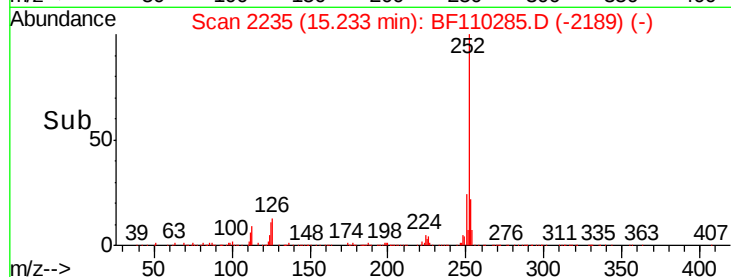
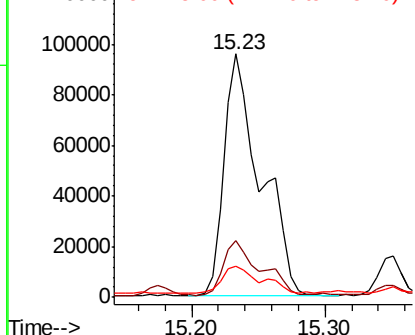
#89
Benzo(k)fluoranthene
Concen: 31.097 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.7	7.4	11.0

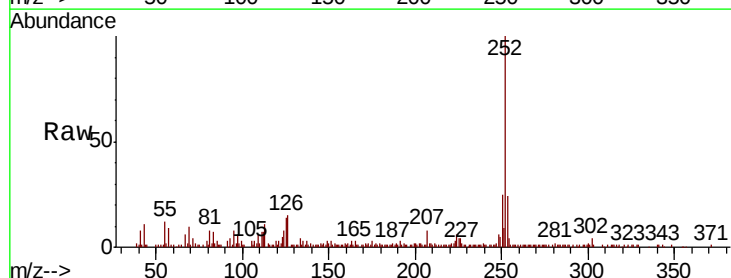


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

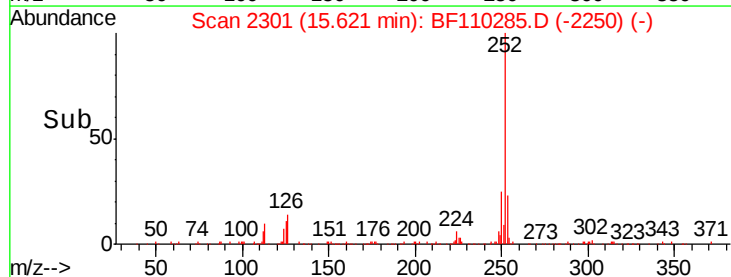
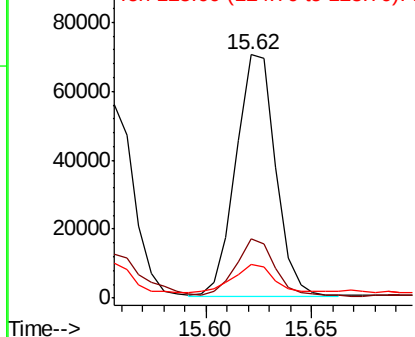


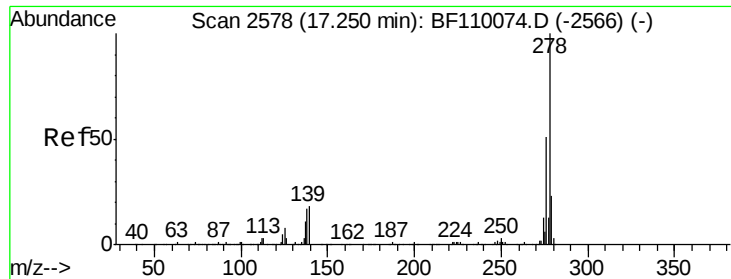
#90
Benzo(a)pyrene
Concen: 16.539 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
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

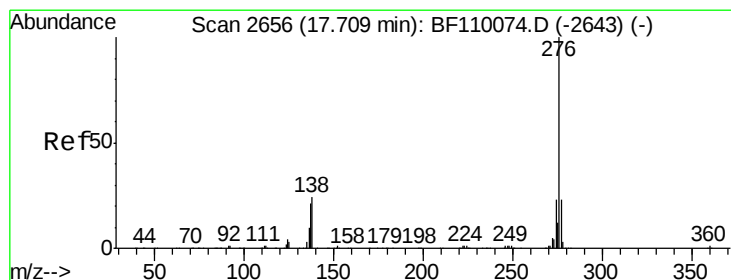
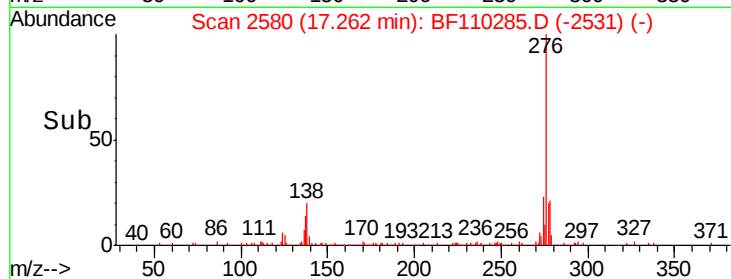
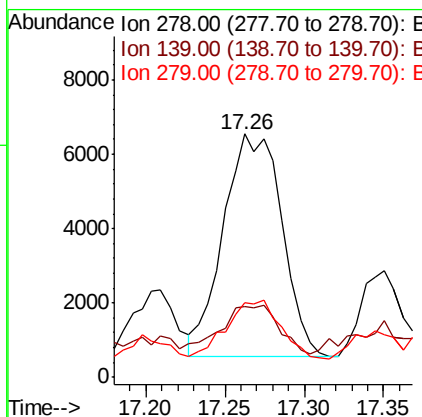
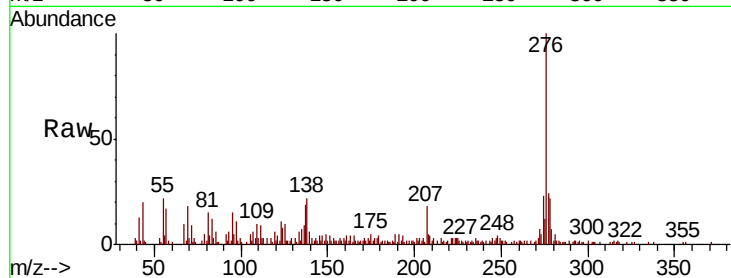




#91
Dibenzo(a,h)anthracene
Concen: 3.215 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.9	12.7	19.1#
279	30.6	19.0	28.4#



#92
Benzo(g,h,i)perylene
Concen: 11.863 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF110285.D
Acq: 30 Oct 2018 1:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	22.7	16.0	24.0

