

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110227.D
 Acq On : 26 Oct 2018 23:13
 Operator : JU/SJ
 Sample : J5675-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 00:52:33 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	126109	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	478692	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	186467	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	286482	20.00	ng	-0.01
76) Chrysene-d12	14.16	240	197700	20.00	ng	0.00
87) Perylene-d12	15.69	264	133458	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	727481	93.94	ng	0.00
7) Phenol-d6	6.59	99	904816	91.35	ng	-0.01
23) Nitrobenzene-d5	7.53	82	531312	65.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	143635	77.76	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	832043	70.07	ng	-0.01
79) Terphenyl-d14	13.09	244	585129	61.55	ng	-0.01

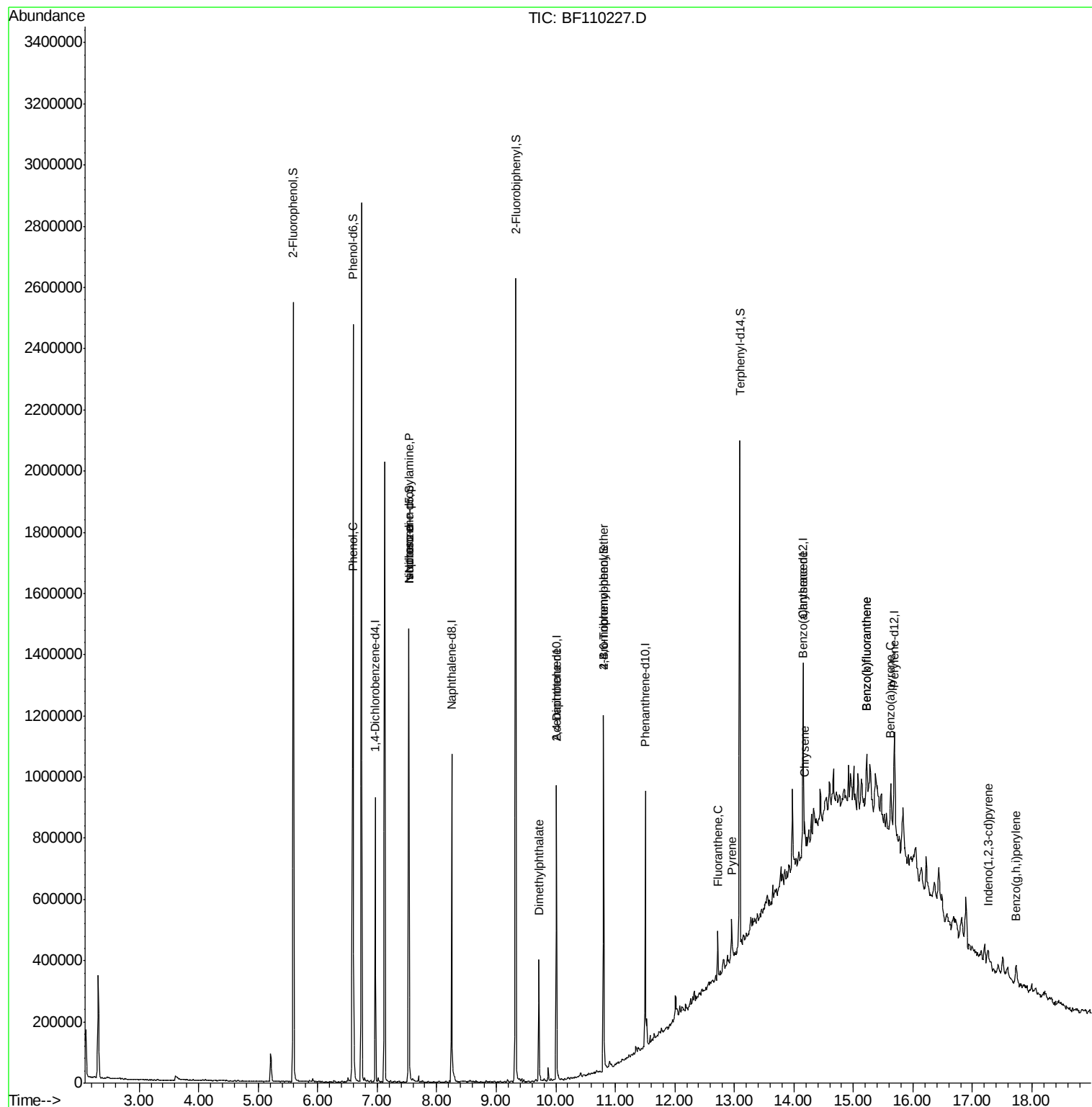
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	1996	Below Cal	#	1
10) Phenol	6.60	94	65691	6.204 ng	#	64
19) n-Nitroso-di-n-propylamine	7.53	70	70071	11.027 ng	#	79
25) Isophorone	7.53	82	531308	38.620 ng	#	67
50) Dimethylphthalate	9.72	163	154890	11.253 ng		99
57) 2,4-Dinitrotoluene	10.01	165	23101	6.134 ng	#	19
67) 4-Bromophenyl-phenylether	10.80	248	9478	3.050 ng	#	1
75) Fluoranthene	12.72	202	54913	3.610 ng		97
78) Pyrene	12.95	202	54549	3.849 ng		98
81) Benzo(a)anthracene	14.14	228	36513	3.114 ng	#	83
83) Chrysene	14.18	228	33109	2.973 ng		96
86) Indeno(1,2,3-cd)pyrene	17.26	276	29274	3.169 ng		98
88) Benzo(b)fluoranthene	15.23	252	60669	7.872 ng	#	77
89) Benzo(k)fluoranthene	15.23	252	60669	8.008 ng	#	77
90) Benzo(a)pyrene	15.62	252	32183	4.538 ng	#	79
92) Benzo(g,h,i)perylene	17.74	276	28675	4.756 ng	#	83

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

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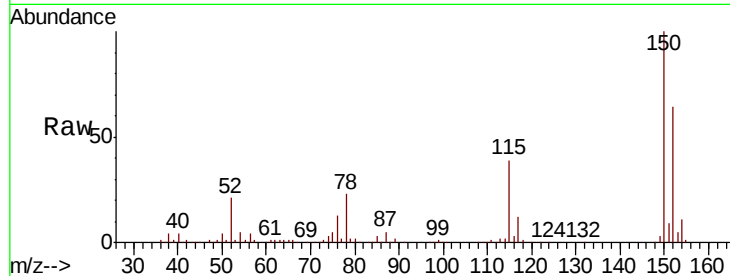


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	60.9	49.1	73.7

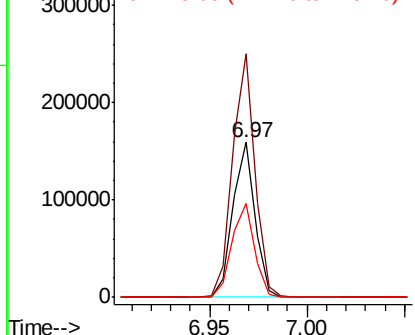
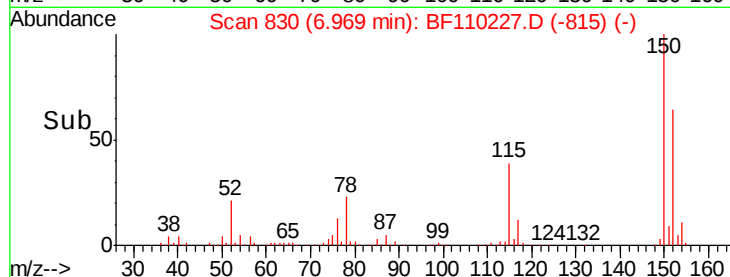


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

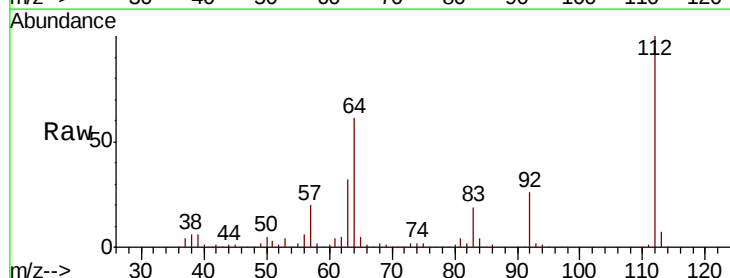
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.940 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	44.1	66.1
63	32.5	23.7	35.5

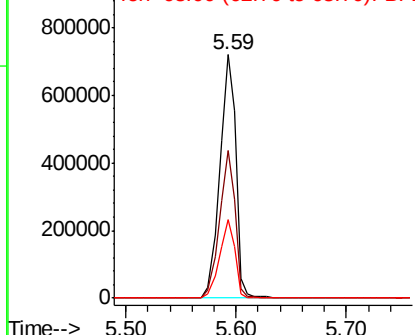
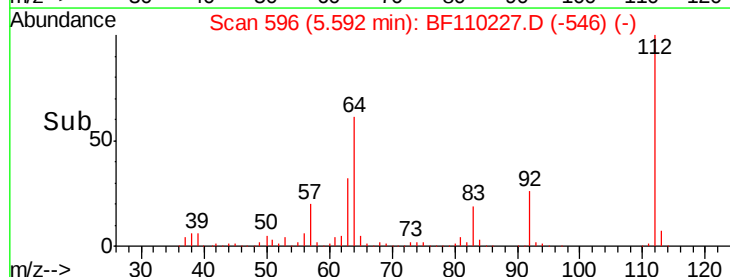


Abundance

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: 91.347 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110227.D

Acq: 26 Oct 2018 23:13

Instrument :

BNA_F

ClientSampled :

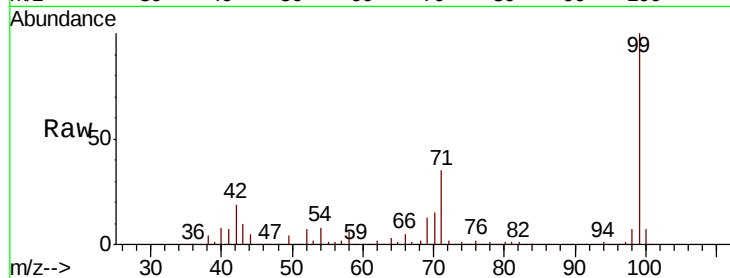
Tot Ion: 99 Resp: 904816

Ion Ratio Lower Upper

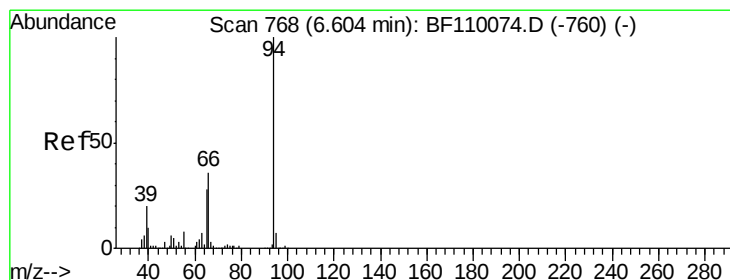
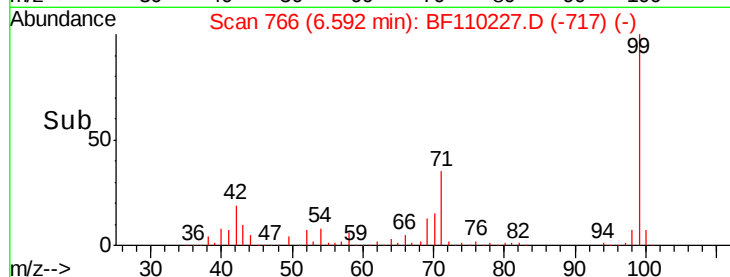
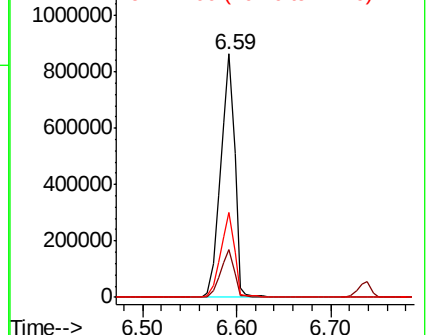
99 100

42 19.4 15.8 23.6

71 34.9 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: 6.204 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110227.D

Acq: 26 Oct 2018 23:13

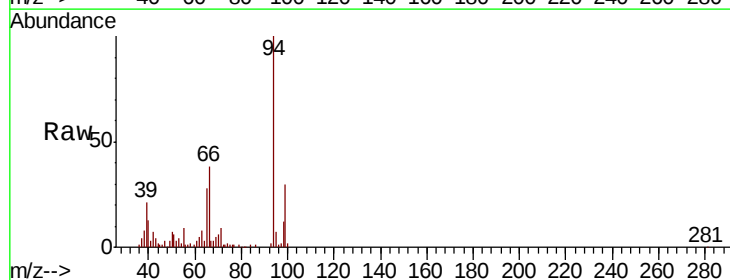
Tgt Ion: 94 Resp: 65691

Ion Ratio Lower Upper

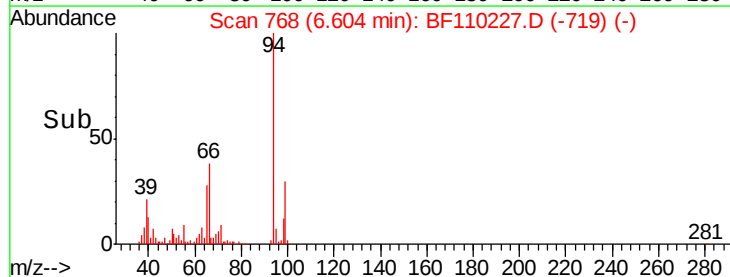
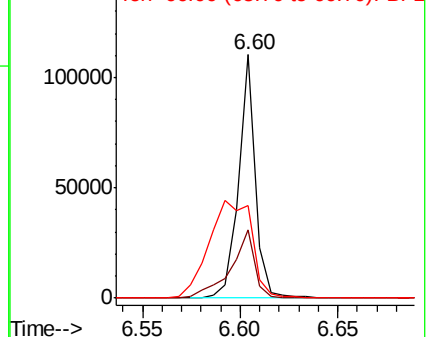
94 100

65 28.3 25.3 65.3

66 38.2 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

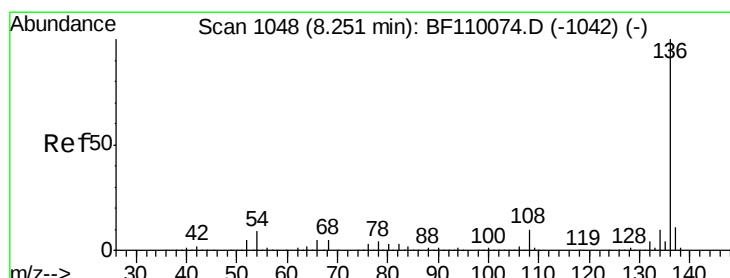
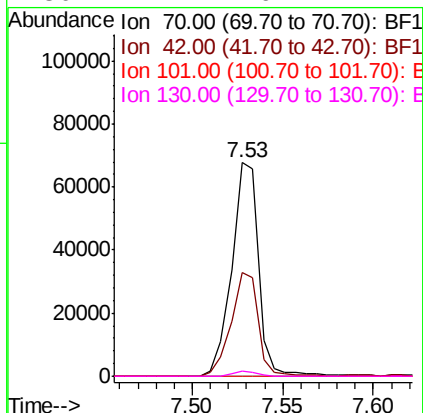
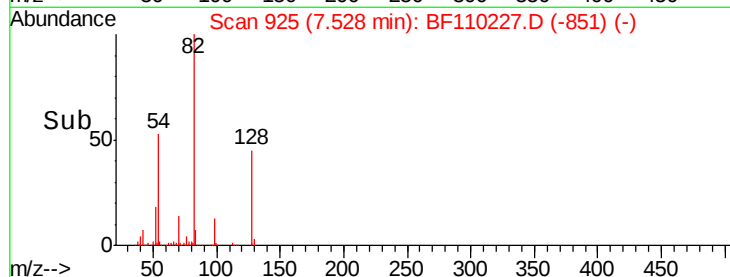
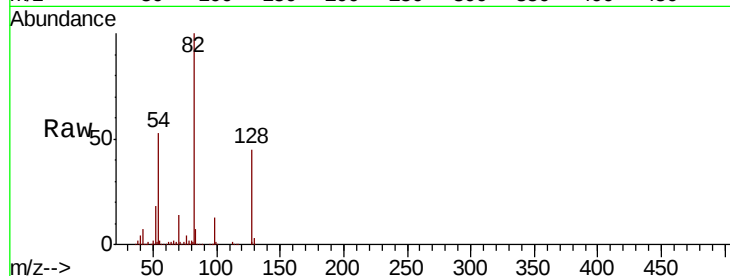




#19
n-Nitroso-di-n-propylamine
Concen: 11.027 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.13 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

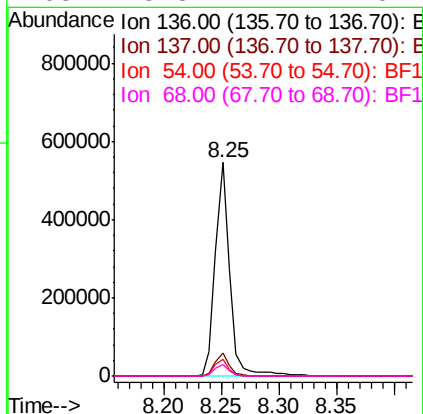
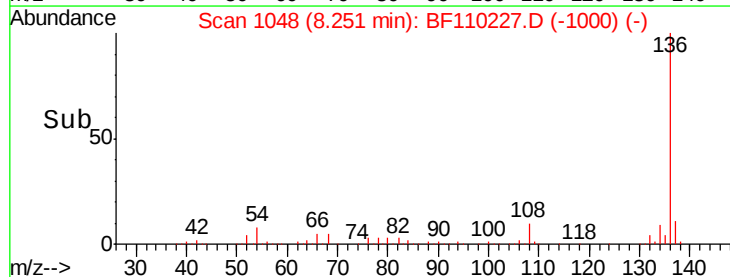
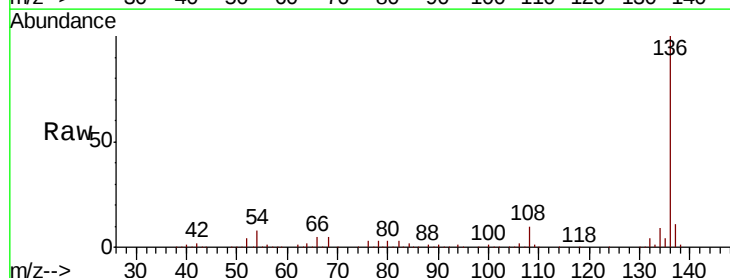
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 70071
Ion Ratio Lower Upper
70 100
42 48.7 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. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion: 136 Resp: 478692
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 5.4 8.2
68 5.3 4.2 6.2

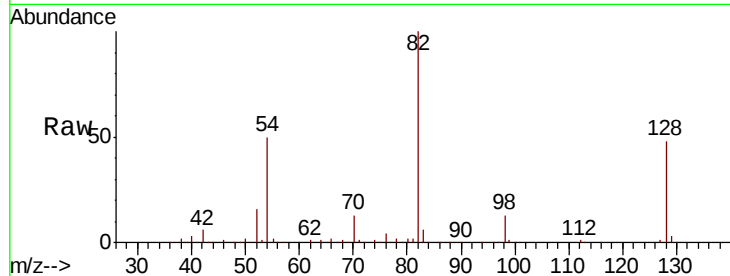




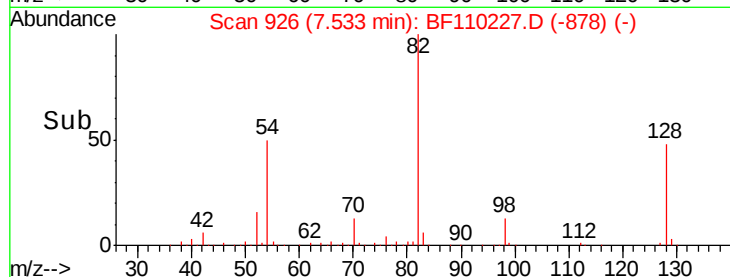
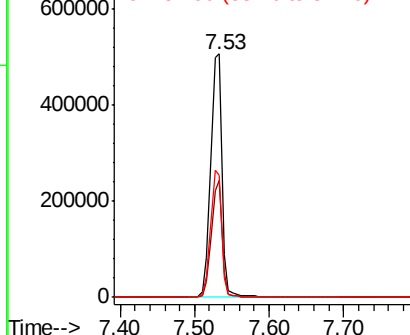
#23
Nitrobenzene-d5
Concen: 65.833 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	531312
Ion Ratio	100	Lower	Upper
128	48.1	34.2	51.2
54	50.3	38.6	58.0

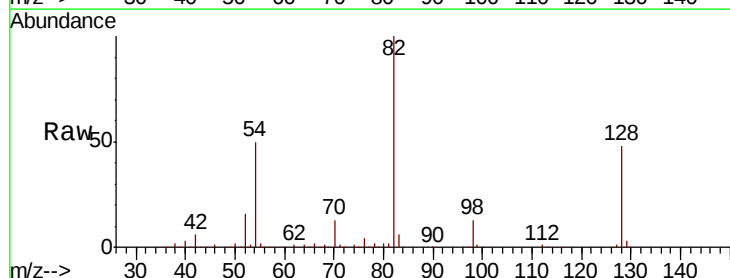


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

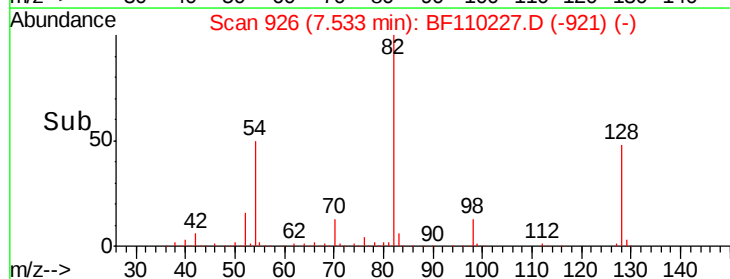
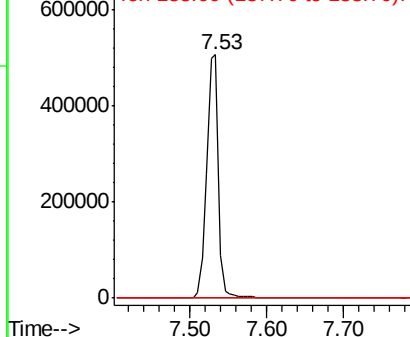


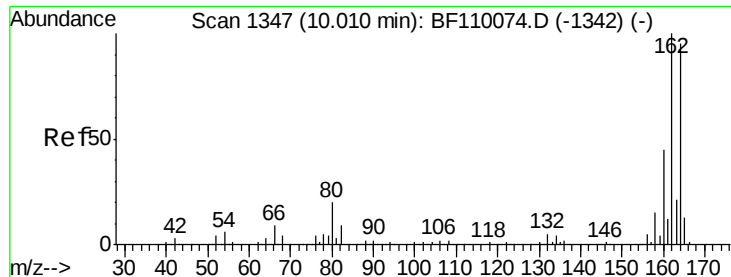
#25
Isophorone
Concen: 38.620 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.27 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion	82	Resp	531308
Ion Ratio	100	Lower	Upper
95	0.0	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: BF110227.D

Acq: 26 Oct 2018 23:13

Instrument :

BNA_F

ClientSampleId :

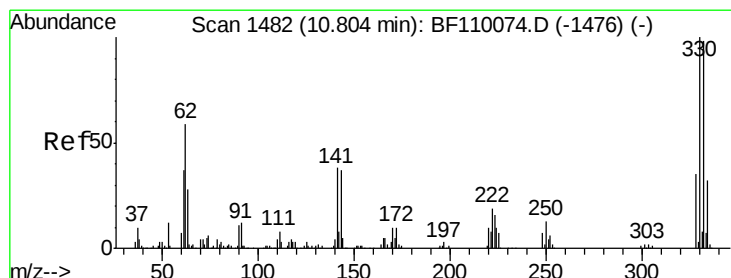
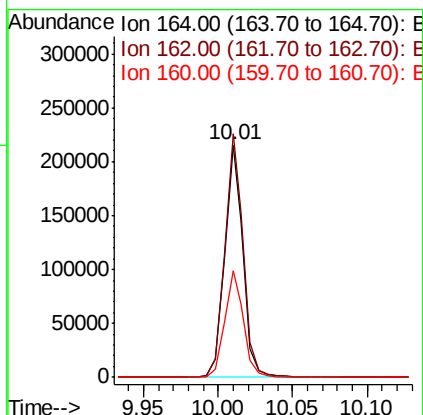
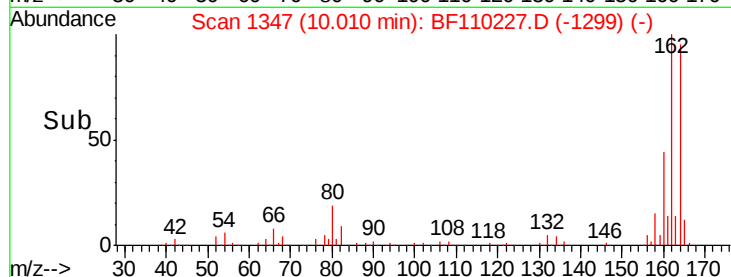
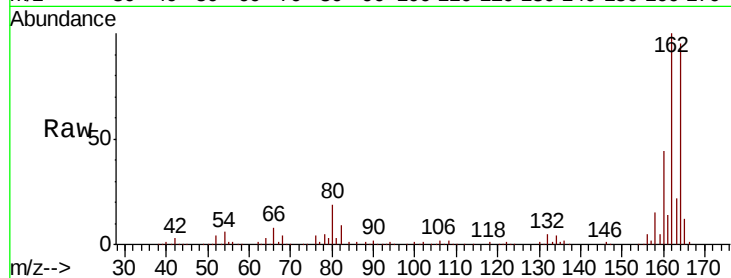
Tot Ion:164 Resp: 186467

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.6

160 45.9 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 77.763 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110227.D

Acq: 26 Oct 2018 23:13

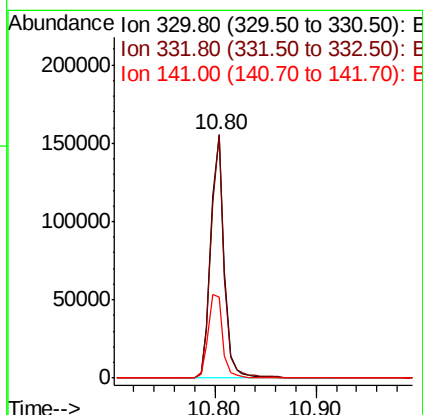
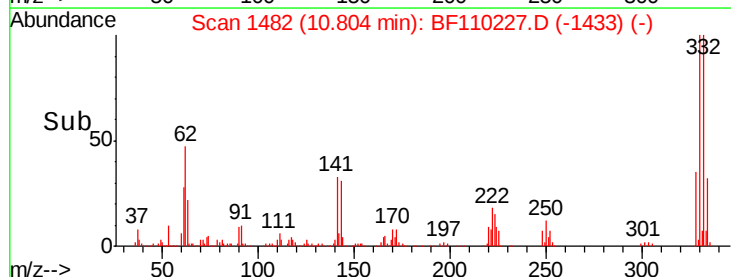
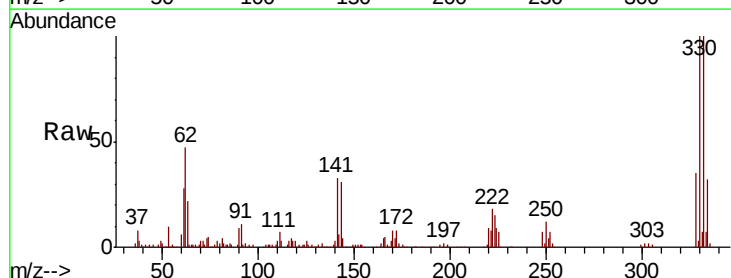
Tgt Ion:330 Resp: 143635

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

141 37.7 27.0 40.4

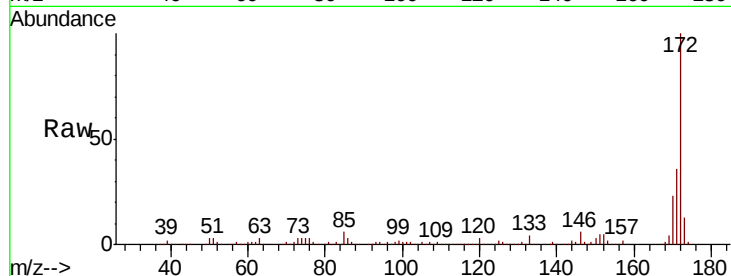




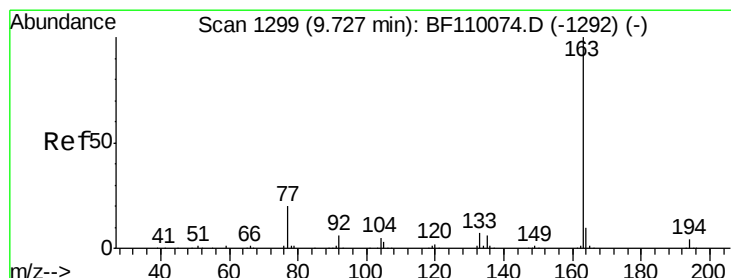
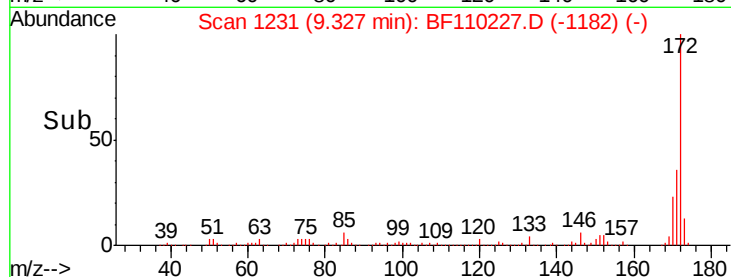
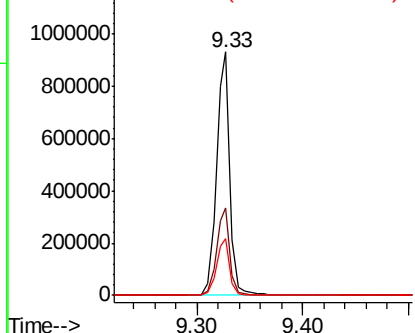
#45
2-Fluorobiphenyl
Concen: 70.067 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 832043
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.5 19.7 29.5

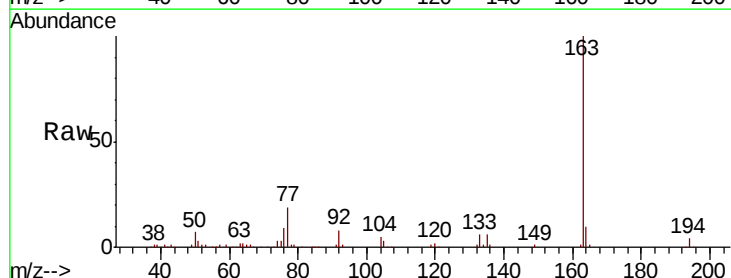


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

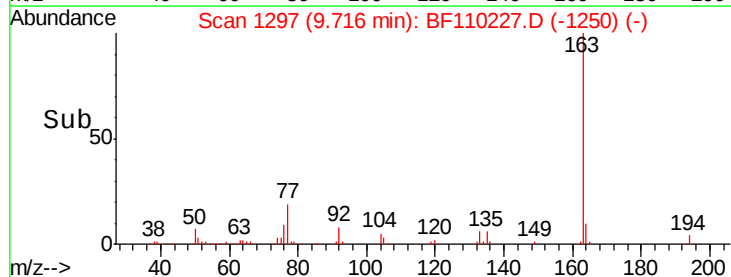
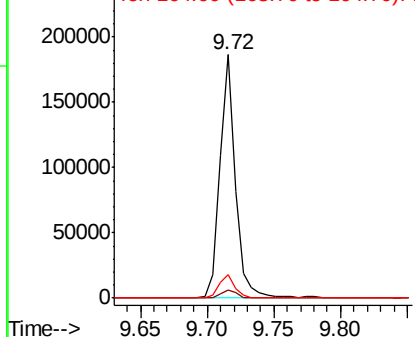


#50
Dimethylphthalate
Concen: 11.253 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:163 Resp: 154890
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.7 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

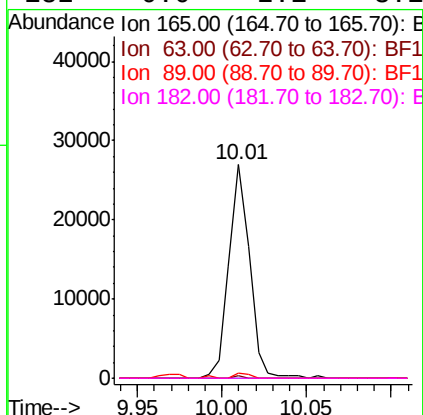
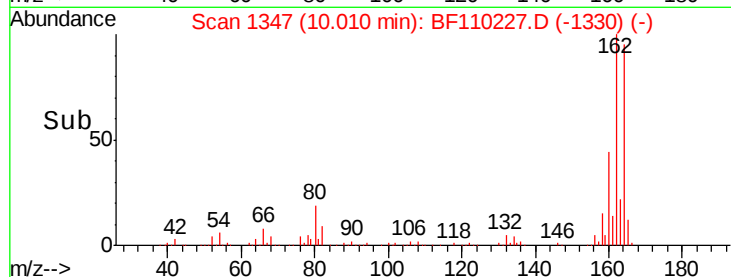
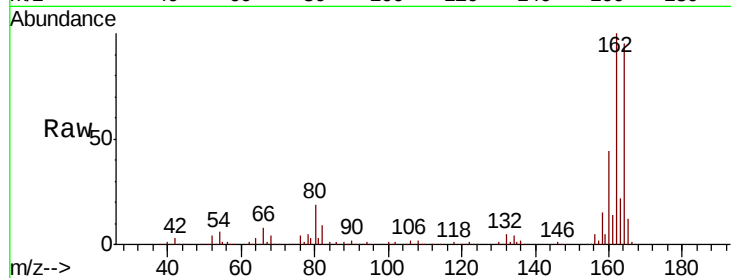




#57
 2,4-Dinitrotoluene
 Concen: 6.134 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110227.D
 Acq: 26 Oct 2018 23:13

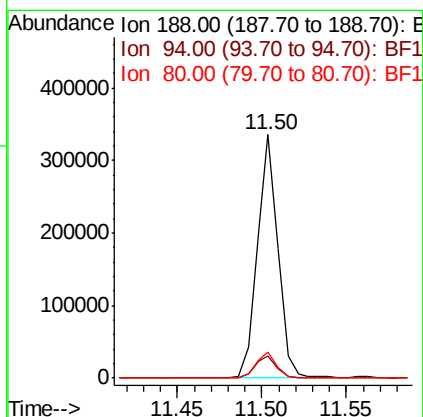
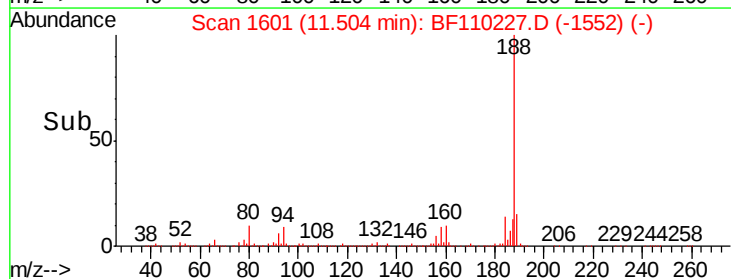
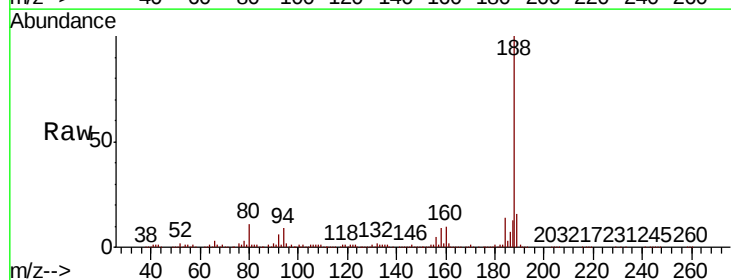
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.8	67.2#
89	2.2	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: BF110227.D
 Acq: 26 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.5	7.9	11.9

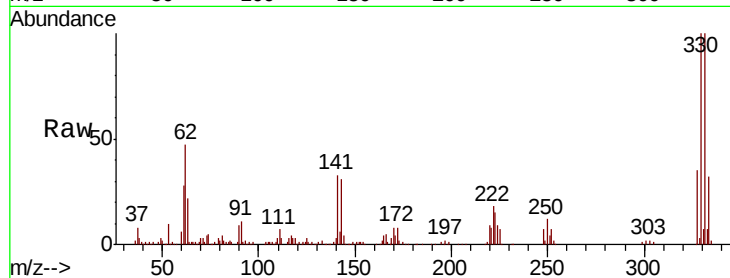




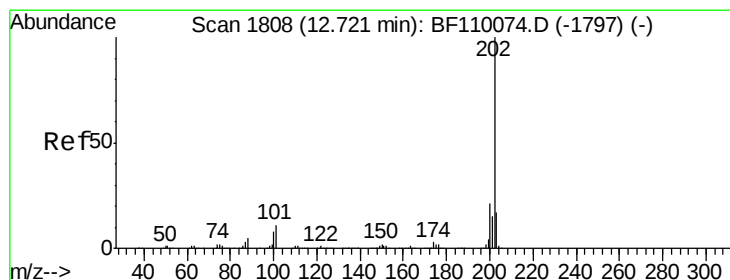
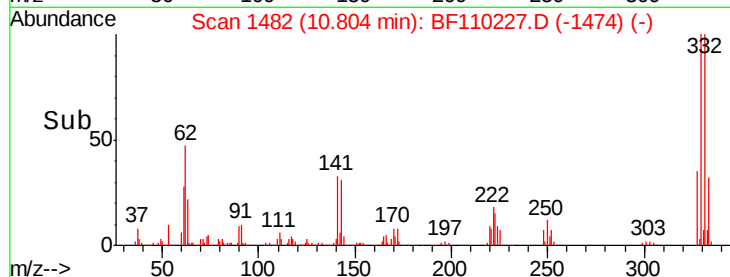
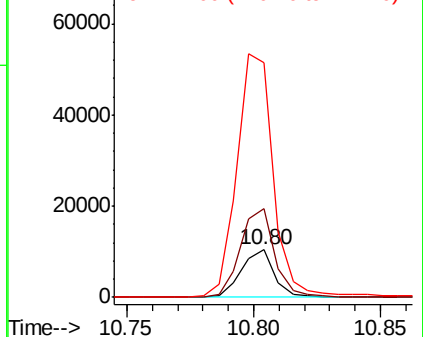
#67
4-Bromophenyl-phenylether
Concen: 3.050 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9478
Ion Ratio Lower Upper
248 100
250 187.7 79.4 119.2#
141 497.0 55.9 83.9#

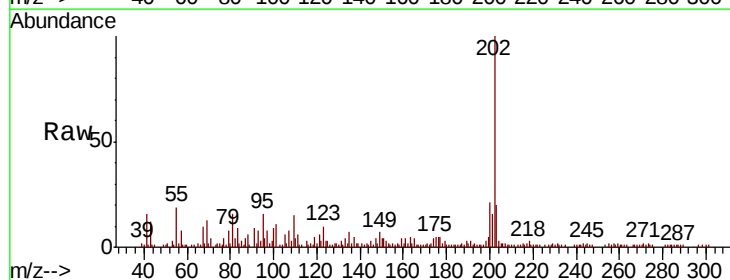


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

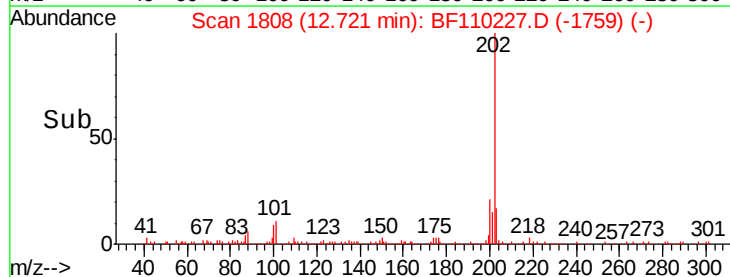
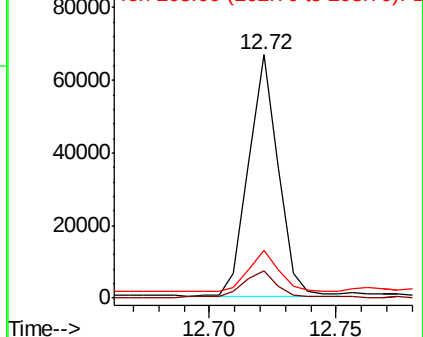


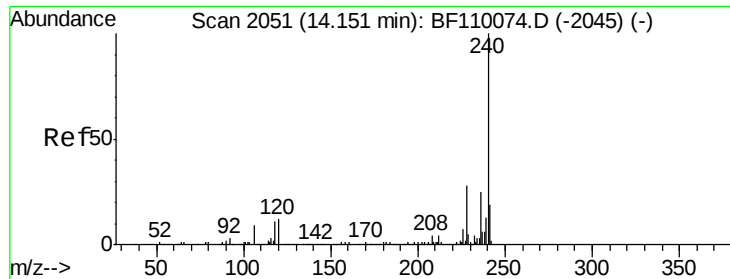
#75
Fluoranthene
Concen: 3.610 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:202 Resp: 54913
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 19.6 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

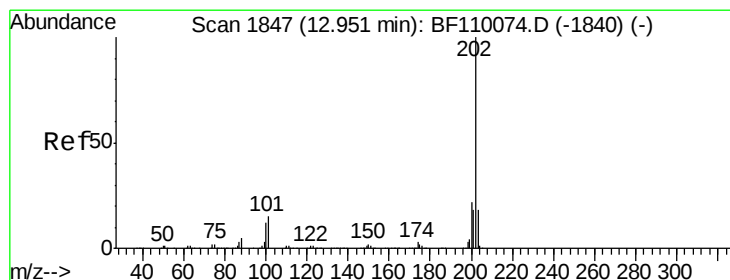
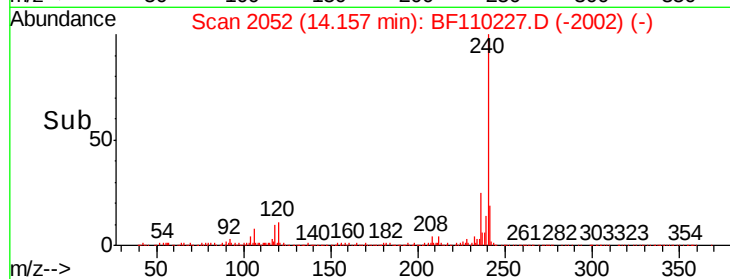
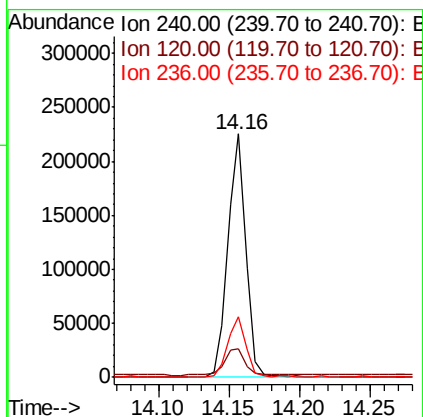
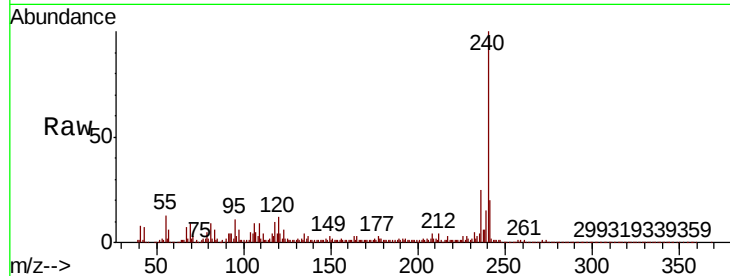




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

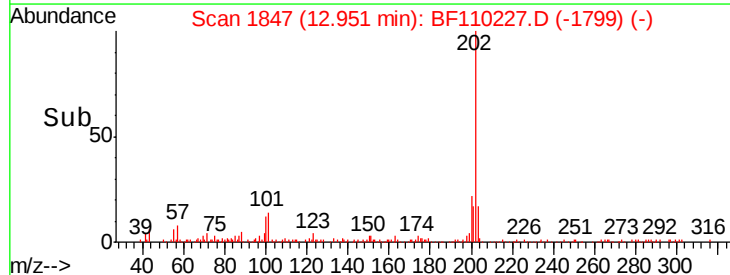
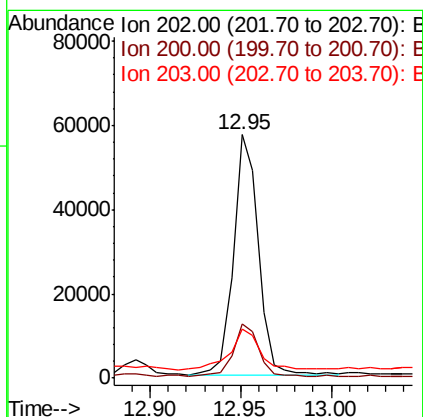
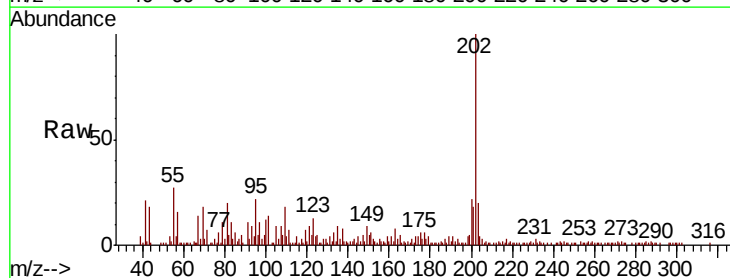
Instrument :
BNA_F
ClientSampleId :

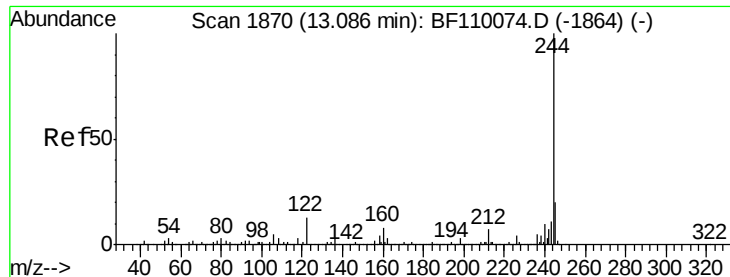
Tot Ion:240 Resp: 197700
Ion Ratio Lower Upper
240 100
120 11.8 8.3 12.5
236 25.1 21.2 31.8



#78
Pyrene
Concen: 3.849 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:202 Resp: 54549
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 20.0 14.2 21.4

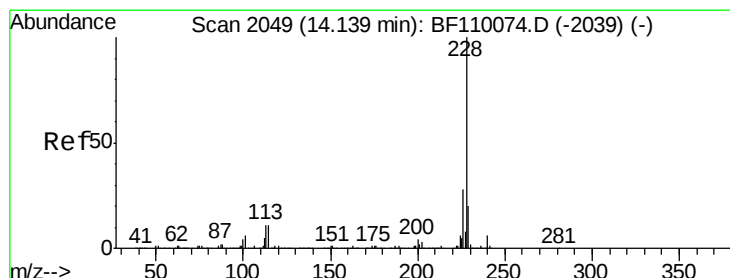
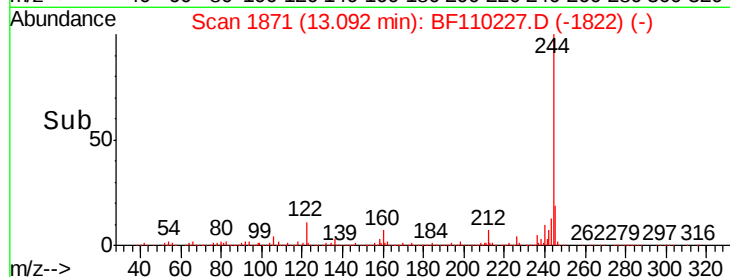
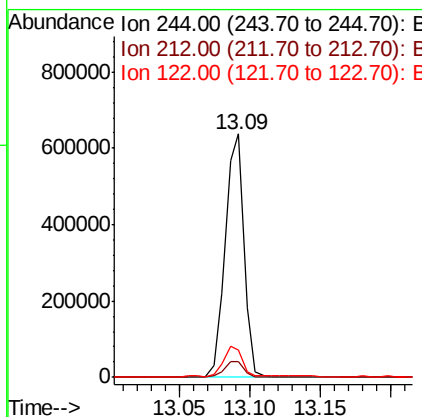
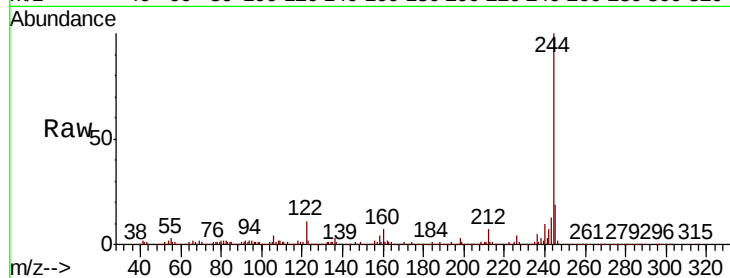




#79
 Terphenyl-d14
 Concen: 61.553 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF110227.D
 Acq: 26 Oct 2018 23:13

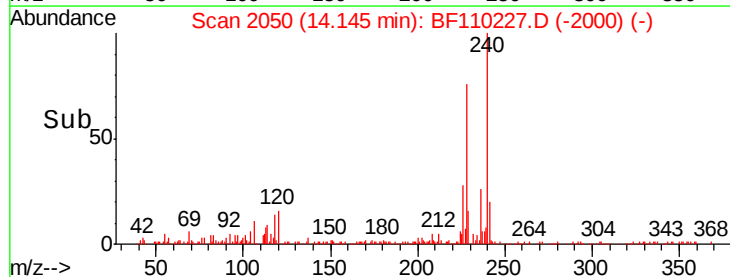
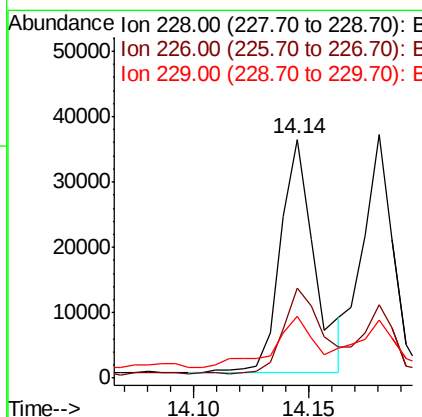
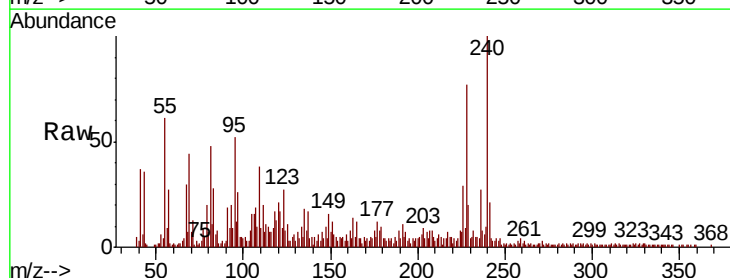
Instrument :
 BNA_F
 ClientSampleId :

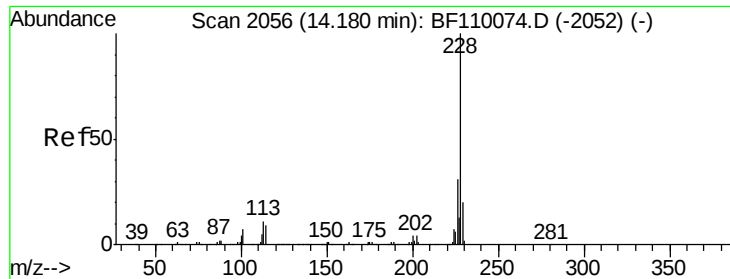
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	11.0	8.7	13.1



#81
 Benzo(a)anthracene
 Concen: 3.114 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF110227.D
 Acq: 26 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.6	22.1	33.1#
229	25.9	15.6	23.4#





#83

Chrysene

Concen: 2.973 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110227.D

Acq: 26 Oct 2018 23:13

Instrument :

BNA_F

ClientSampled :

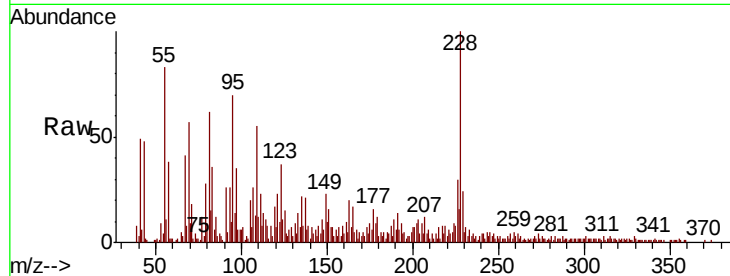
Tot Ion:228 Resp: 33109

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

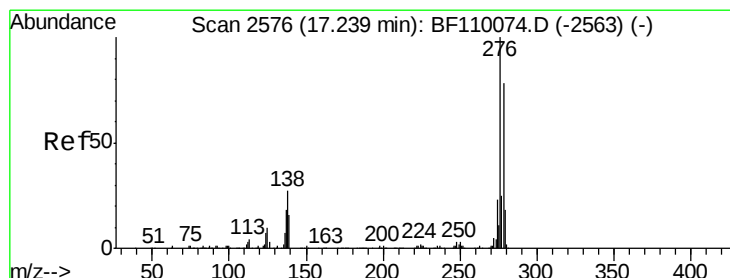
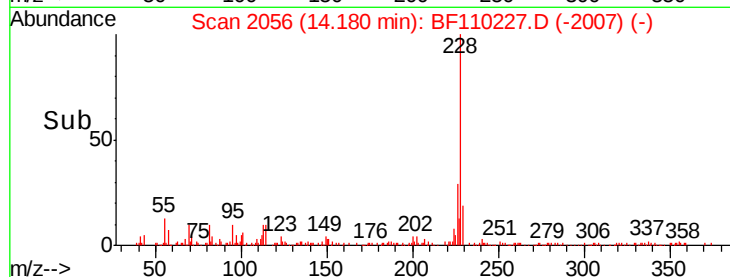
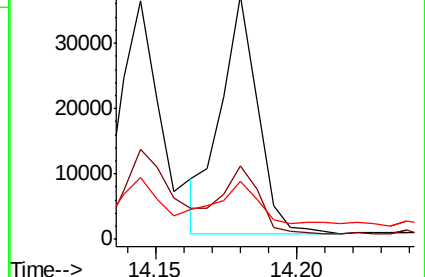
229 23.9 15.9 23.9



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: 3.169 ng

RT: 17.26 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF110227.D

Acq: 26 Oct 2018 23:13

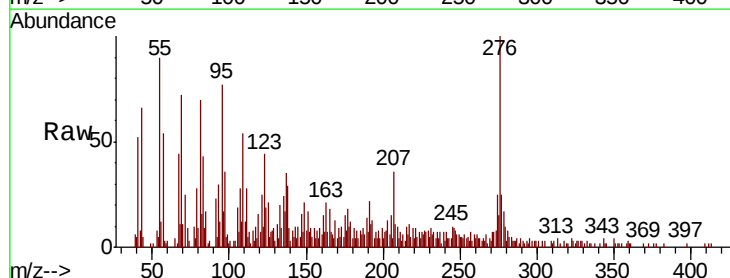
Tgt Ion:276 Resp: 29274

Ion Ratio Lower Upper

276 100

138 23.1 18.5 27.7

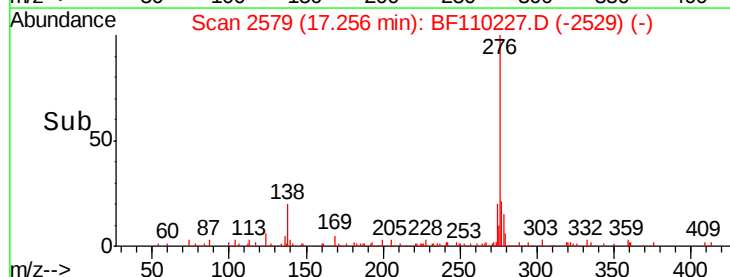
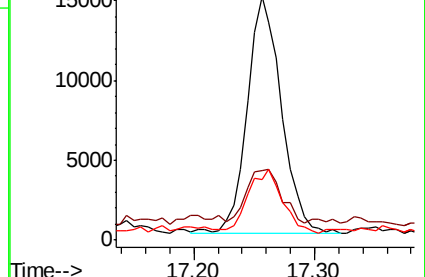
277 26.6 20.0 30.0

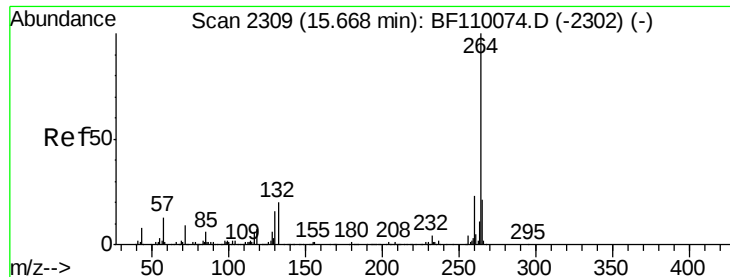


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

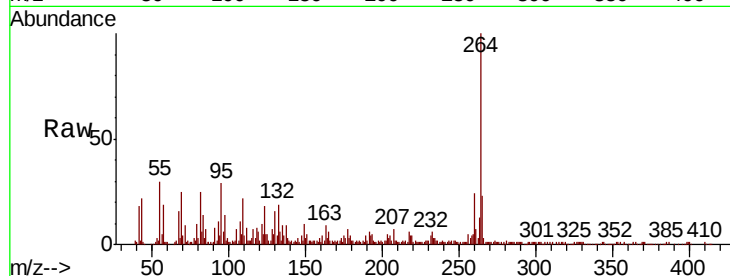




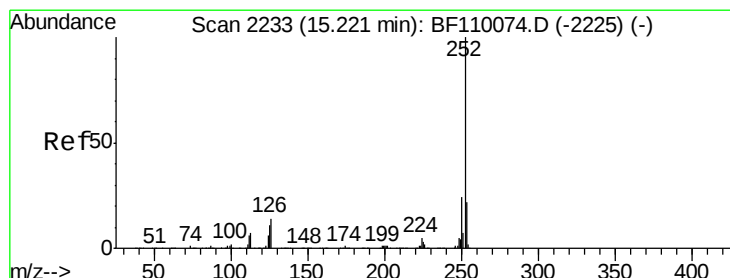
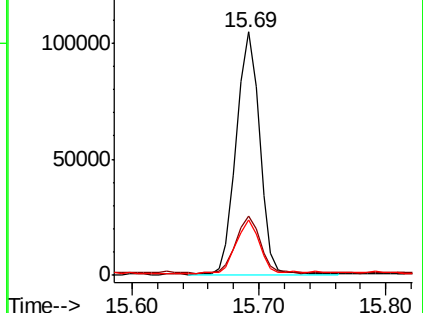
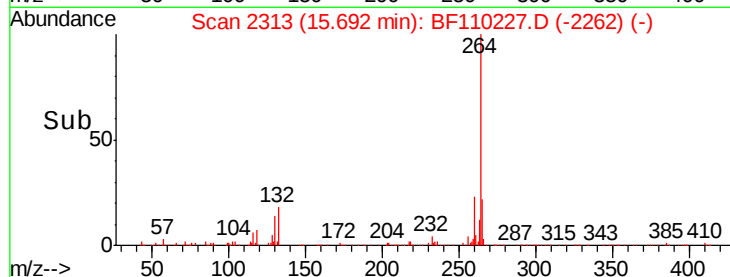
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.5	16.7	25.1

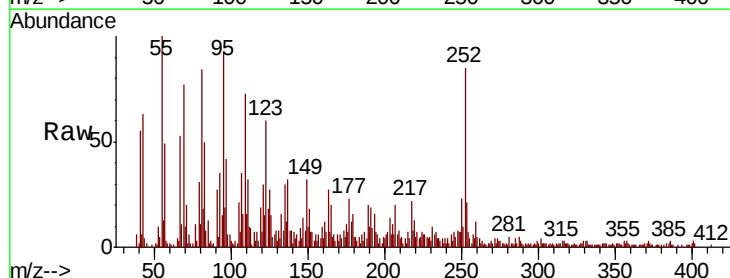


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

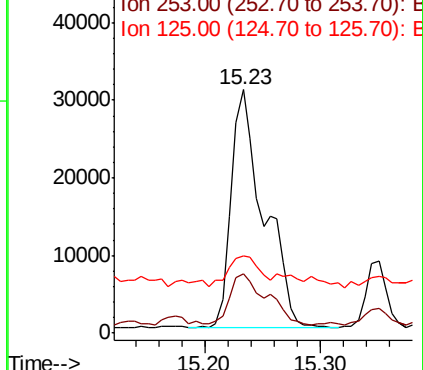
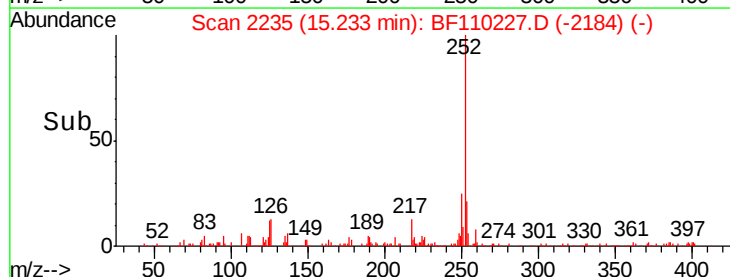


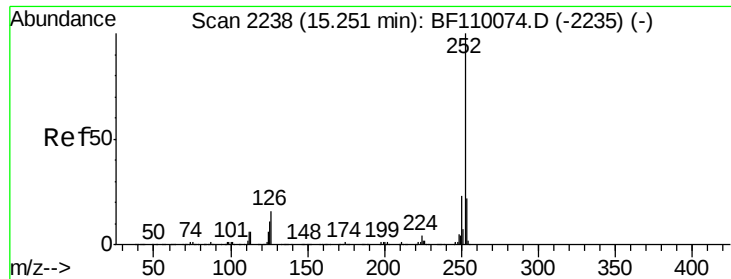
#88
Benzo(b)fluoranthene
Concen: 7.872 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	31.8	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

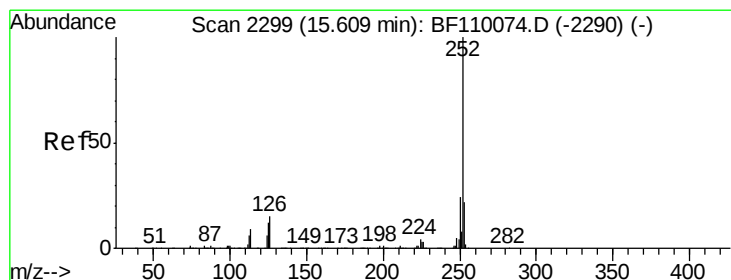
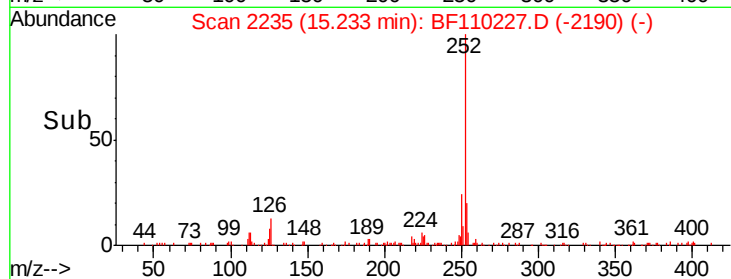
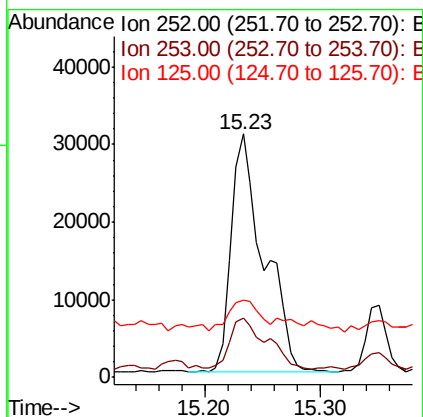
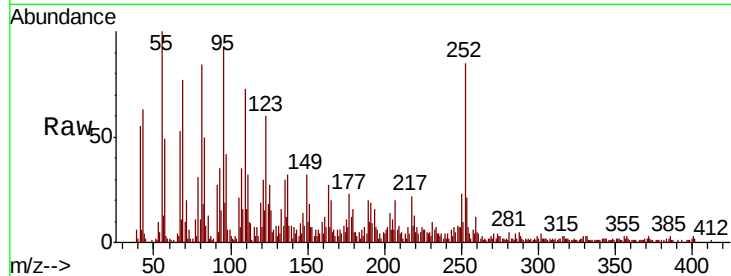




#89
Benzo(k)fluoranthene
Concen: 8.008 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

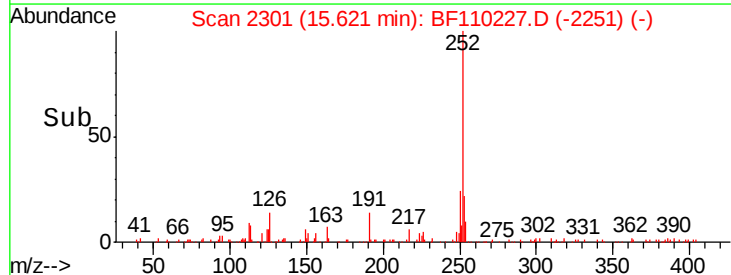
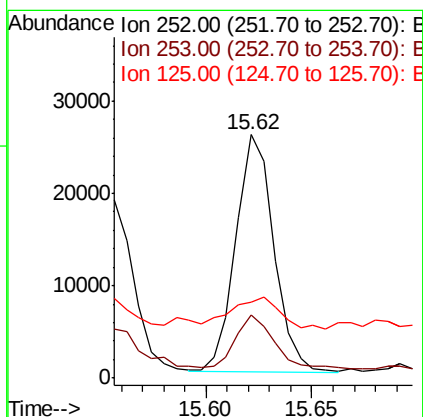
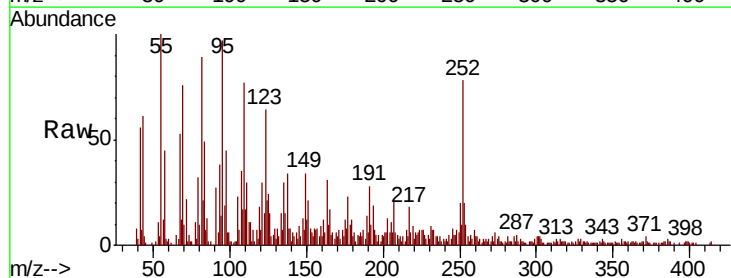
Instrument :
BNA_F
ClientSampleId :

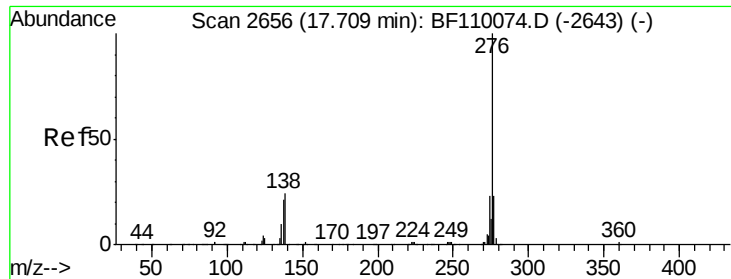
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	31.8	7.4	11.0



#90
Benzo(a)pyrene
Concen: 4.538 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	31.4	9.0	13.6

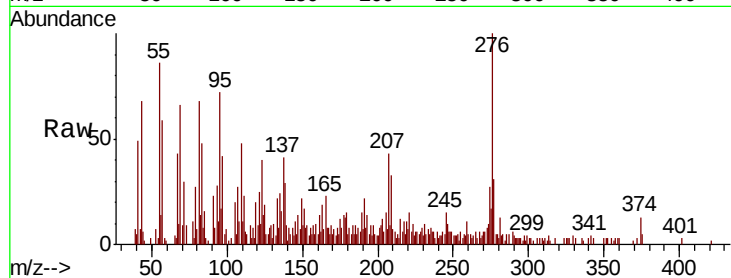




#92
 Benzo(a,h,i)perylene
 Concen: 4.756 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. -0.00 min
 Lab File: BF110227.D
 Acq: 26 Oct 2018 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.9	18.8	28.2#
138	28.9	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

