

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110268.D
 Acq On : 29 Oct 2018 18:10
 Operator : JU/SJ
 Sample : J5696-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 07:37:55 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	127209	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	510010	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	222909	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	351497	20.00	ng	0.00
76) Chrysene-d12	14.16	240	241424	20.00	ng	0.00
87) Perylene-d12	15.69	264	200634	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	755708	96.74	ng	0.00
7) Phenol-d6	6.59	99	963222	96.40	ng	0.00
23) Nitrobenzene-d5	7.53	82	601162	69.91	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	169054	76.56	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	843790	59.44	ng	0.00
79) Terphenyl-d14	13.09	244	508316	43.79	ng	0.00

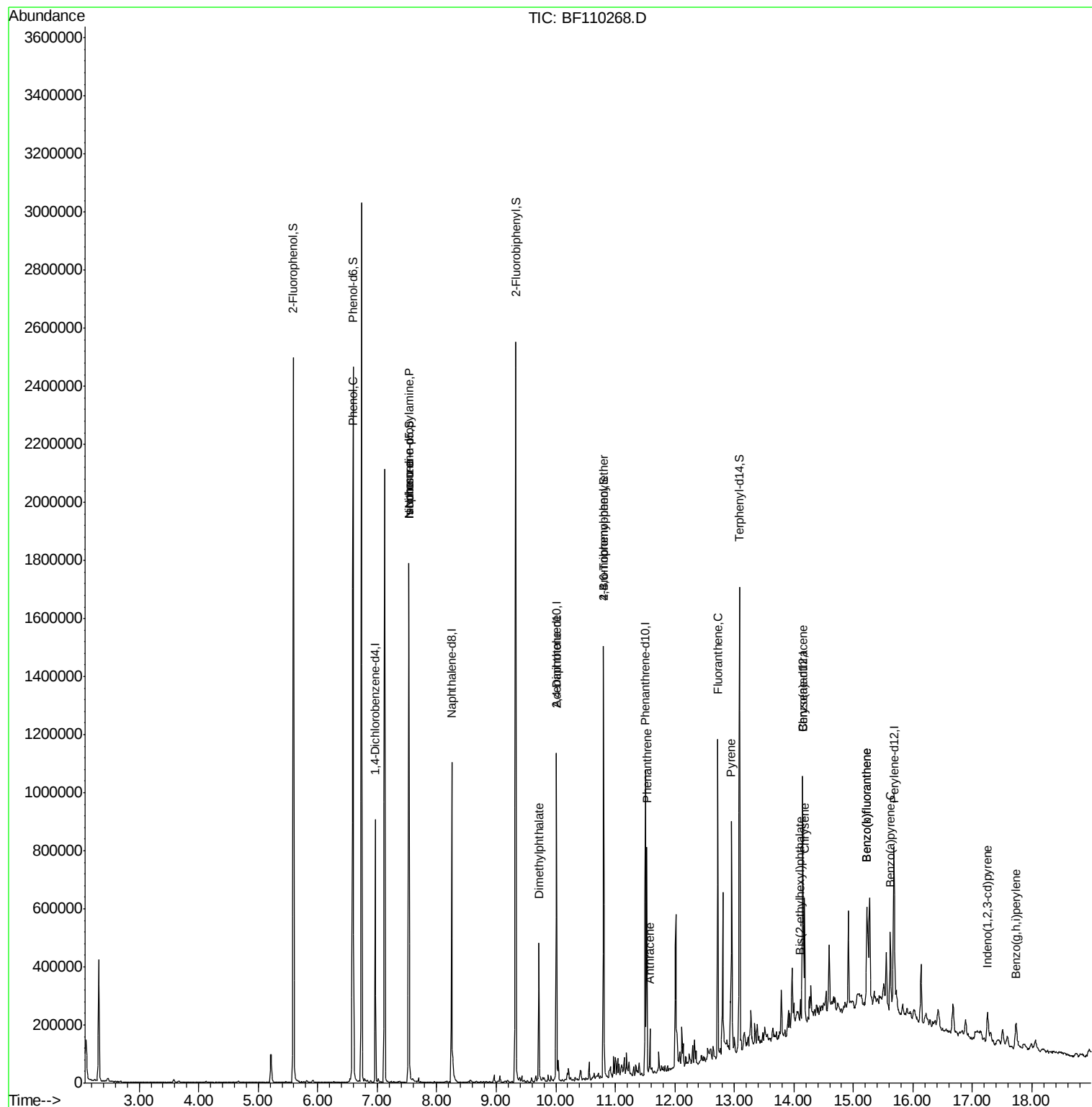
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2169	Below Cal		# 1
10) Phenol	6.60	94	62612	5.862	ng	# 66
19) n-Nitroso-di-n-propylamine	7.53	70	80869	12.616	ng	# 78
25) Isophorone	7.53	82	601153	41.014	ng	# 67
50) Dimethylphthalate	9.72	163	186699	11.346	ng	100
57) 2,4-Dinitrotoluene	10.01	165	28533	6.338	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	10753	2.820	ng	# 1
71) Phenanthrene	11.53	178	270935	14.731	ng	99
72) Anthracene	11.58	178	56294	3.054	ng	100
75) Fluoranthene	12.72	202	397141	21.276	ng	100
77) Benzidine	13.09	184	7187	Below Cal		# 84
78) Pylene	12.95	202	337972	19.527	ng	98
81) Benzo(a)anthracene	14.14	228	154684	10.804	ng	100
83) Chrysene	14.18	228	165201	12.149	ng	98
84) Bis(2-ethylhexyl)phthalate	14.11	149	22361	2.202	ng	99
86) Indeno(1,2,3-cd)pyrene	17.25	276	66547	5.899	ng	98
88) Benzo(b)fluoranthene	15.23	252	256975	22.180	ng	97
89) Benzo(k)fluoranthene	15.23	252	256975	22.561	ng	# 96
90) Benzo(a)pyrene	15.62	252	119040	11.166	ng	98
92) Benzo(a,h,i)perylene	17.73	276	68800	7.590	ng	97

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

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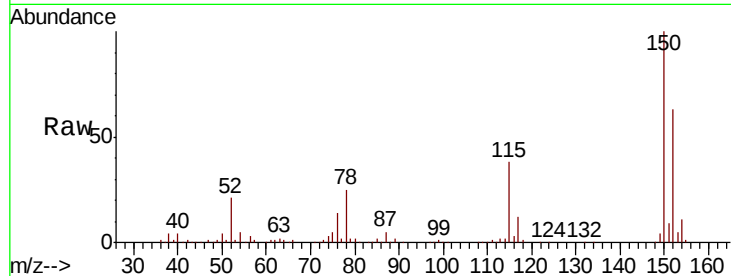


#1

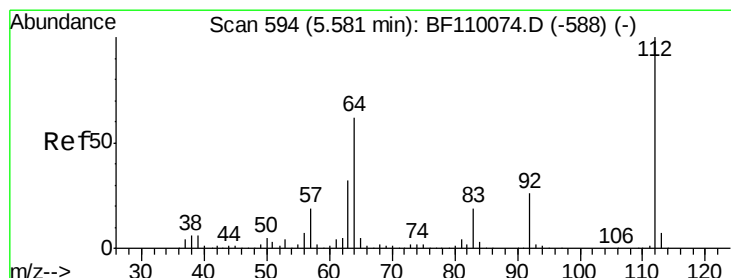
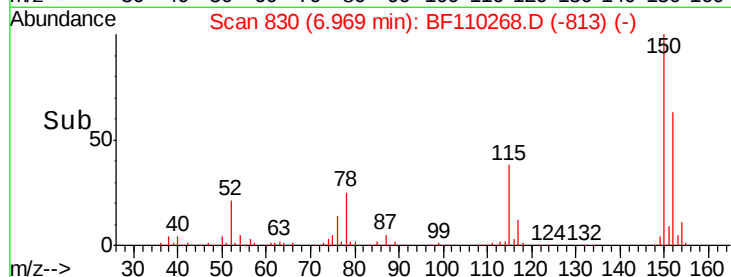
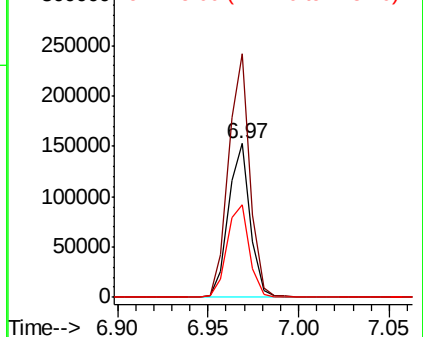
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127209
Ion Ratio Lower Upper
152 100
150 158.2 122.7 184.1
115 60.5 49.1 73.7



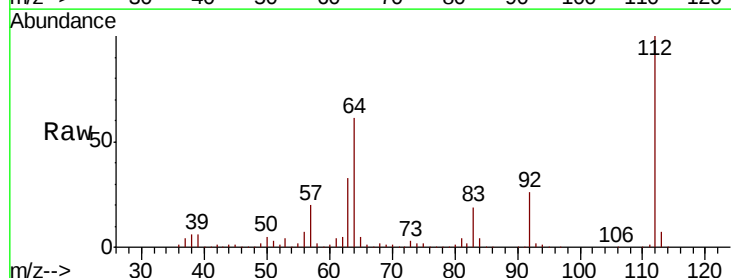
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



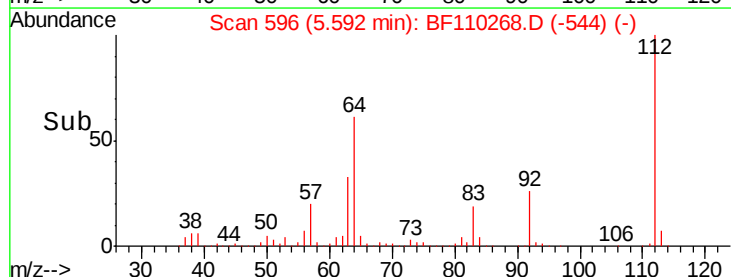
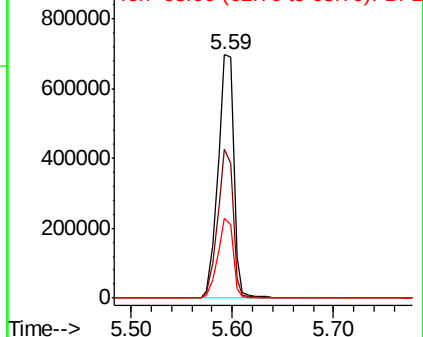
#5

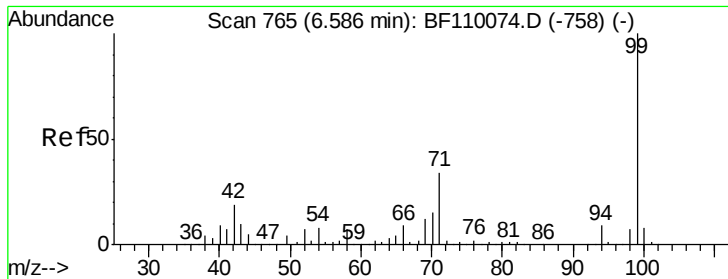
2-Fluorophenol
Concen: 96.741 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion:112 Resp: 755708
Ion Ratio Lower Upper
112 100
64 61.3 44.1 66.1
63 32.7 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: 96.402 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

Instrument :

BNA_F

ClientSampleId :

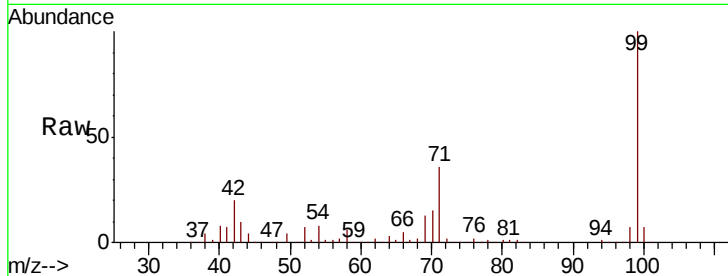
Tot Ion: 99 Resp: 963222

Ion Ratio Lower Upper

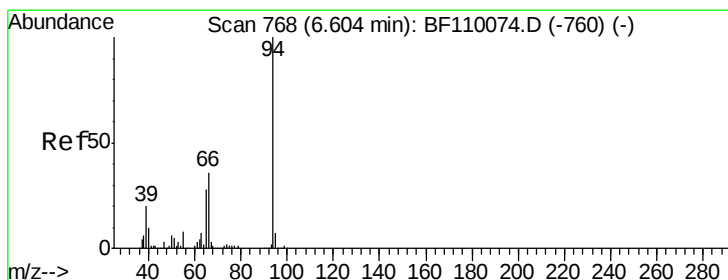
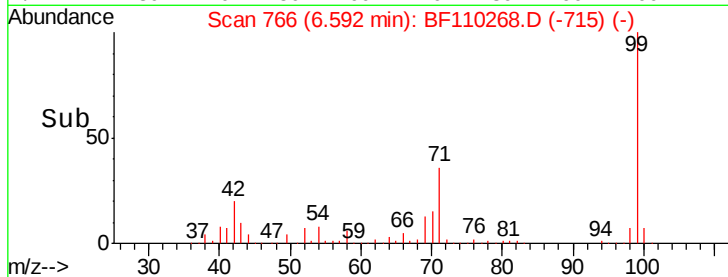
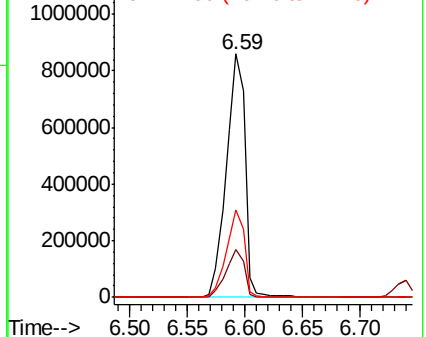
99 100

42 19.5 15.8 23.6

71 35.7 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: 5.862 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

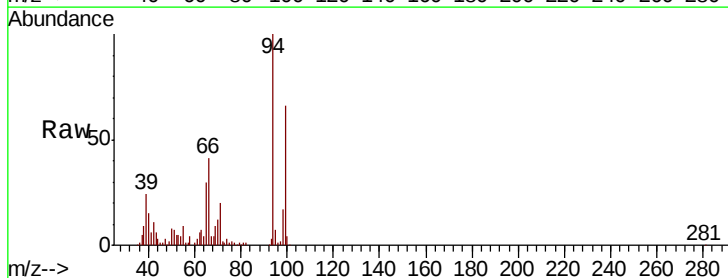
Tgt Ion: 94 Resp: 62612

Ion Ratio Lower Upper

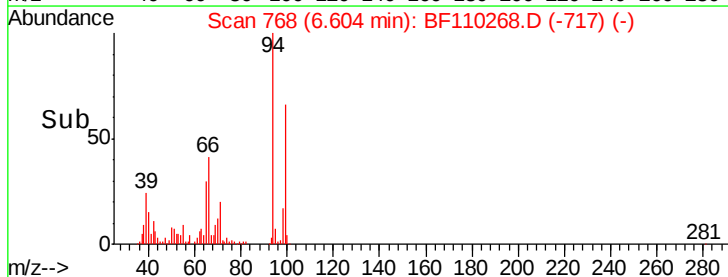
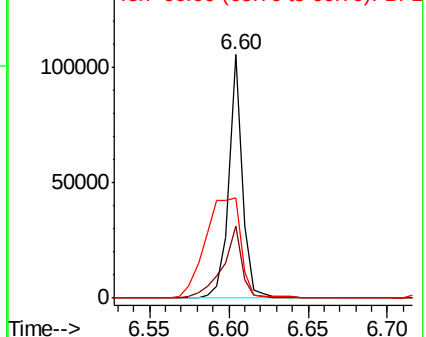
94 100

65 29.5 25.3 65.3

66 41.2 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

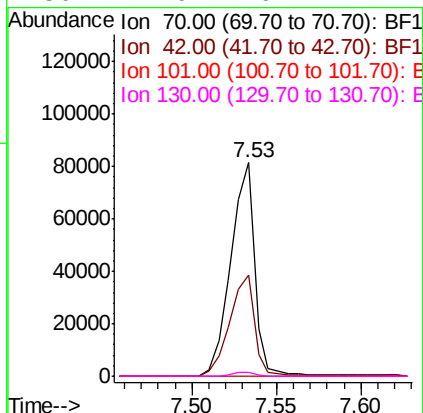
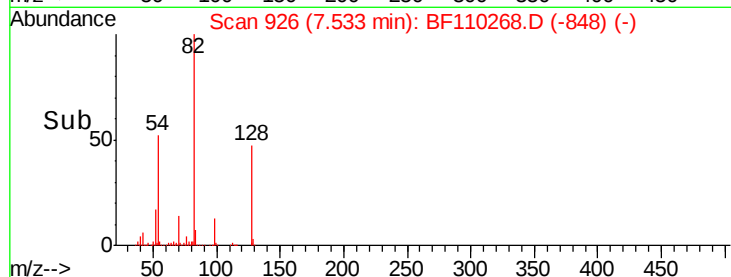
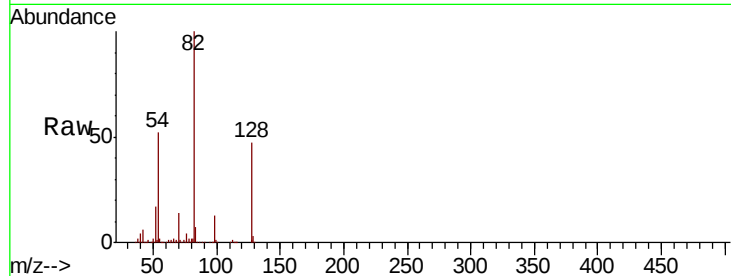




#19
n-Nitroso-di-n-propylamine
Concen: 12.616 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.16 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

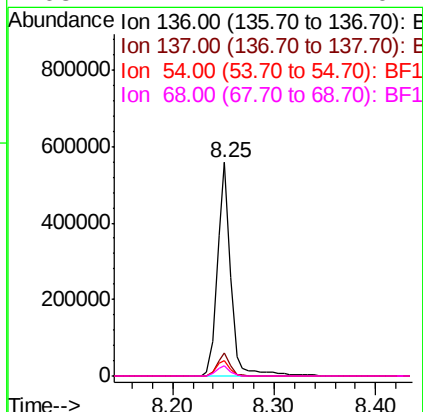
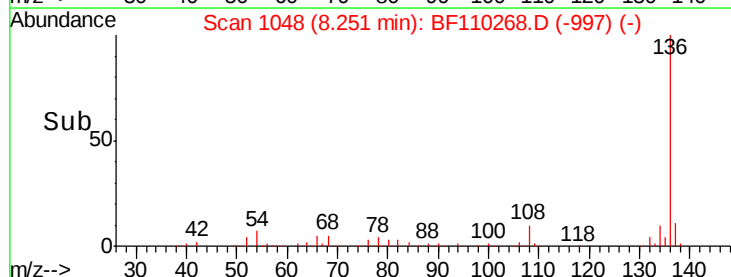
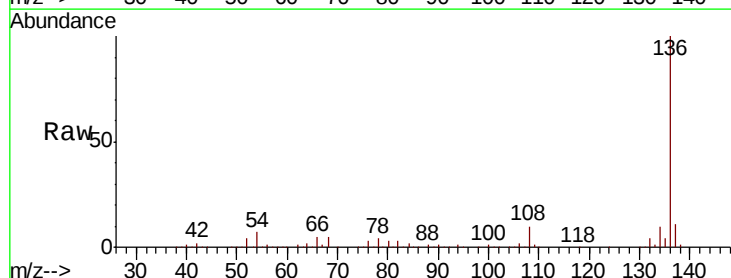
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 80869
Ion Ratio Lower Upper
70 100
42 47.3 47.4 71.2#
101 0.0 7.3 10.9#
130 1.9 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: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion: 136 Resp: 510010
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 5.4 8.2
68 4.7 4.2 6.2

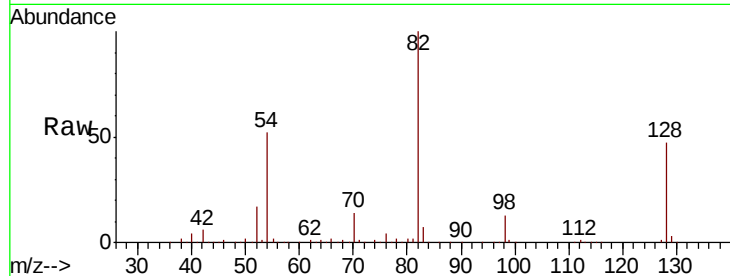




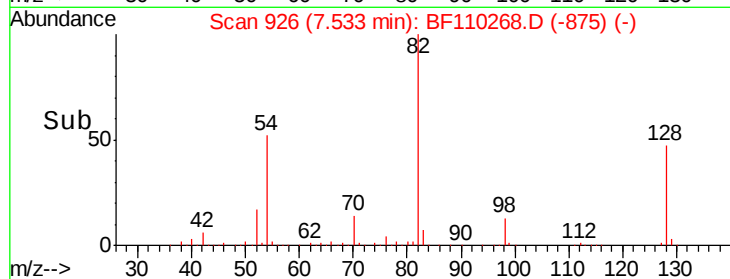
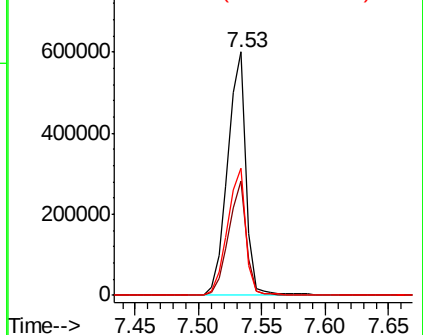
#23
Nitrobenzene-d5
Concen: 69.914 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	601162
Ion Ratio	100	Lower	Upper
128	47.0	34.2	51.2
54	52.4	38.6	58.0

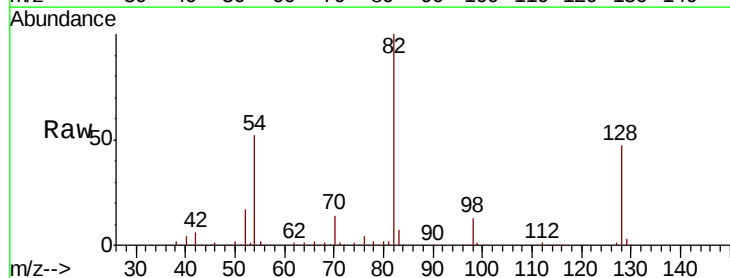


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

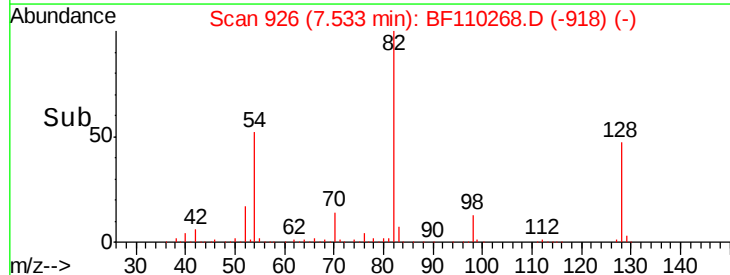
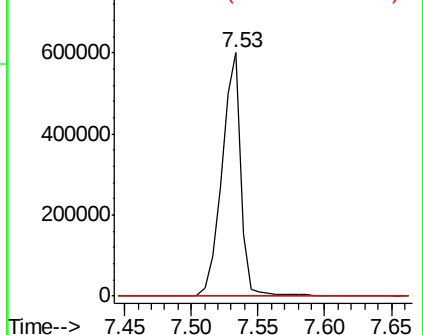


#25
Isophorone
Concen: 41.014 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion	82	Resp	601153
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. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

Instrument :

BNA_F

ClientSampleId :

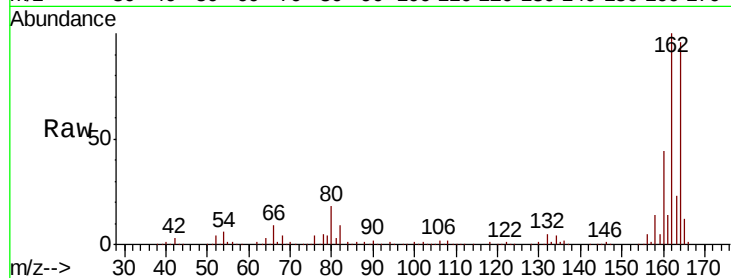
Tot Ion:164 Resp: 222909

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.6

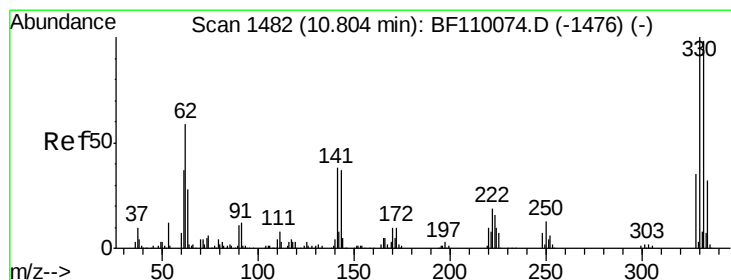
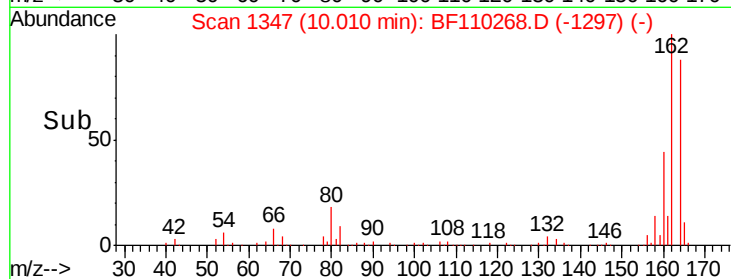
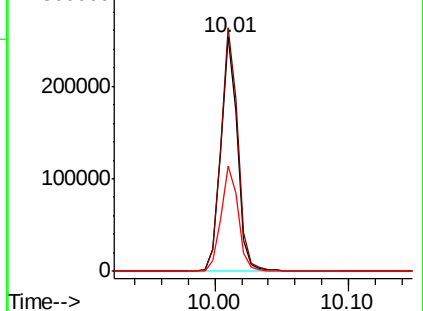
160 45.2 37.0 55.6



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: 76.562 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

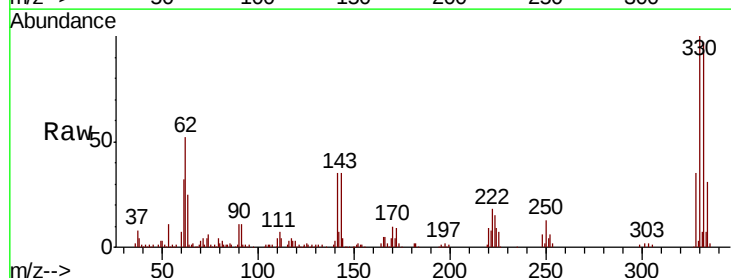
Tgt Ion:330 Resp: 169054

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

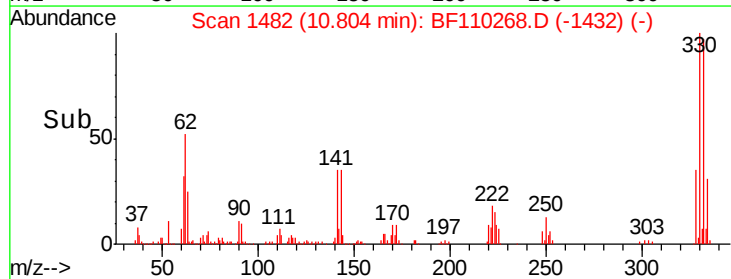
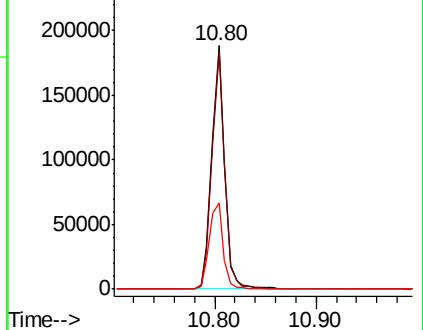
141 38.0 27.0 40.4



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

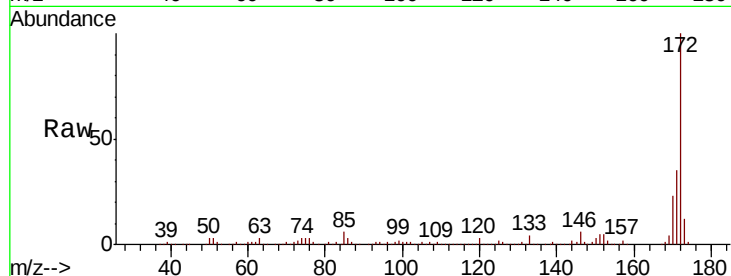




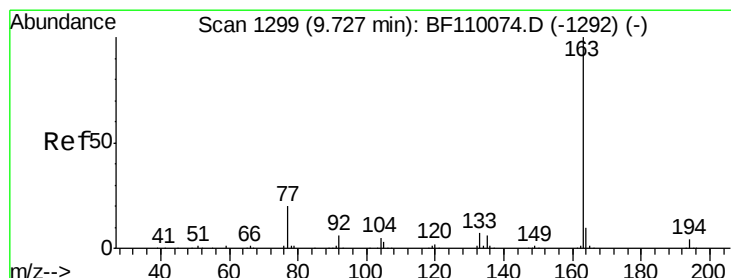
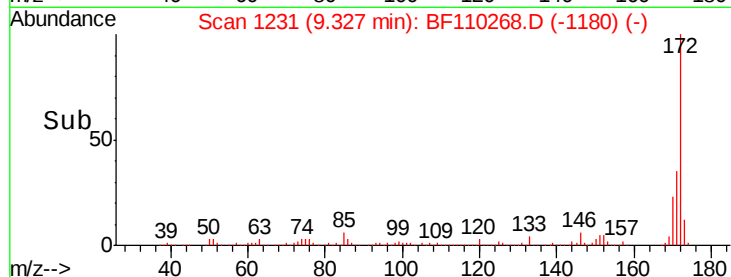
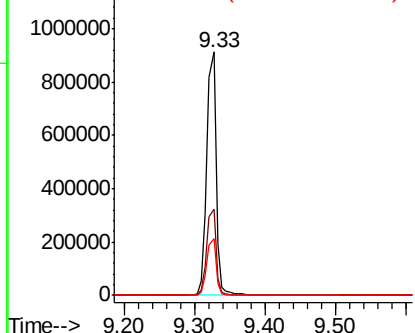
#45
2-Fluorobiphenyl
Concen: 59.440 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 843790
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.2 19.7 29.5

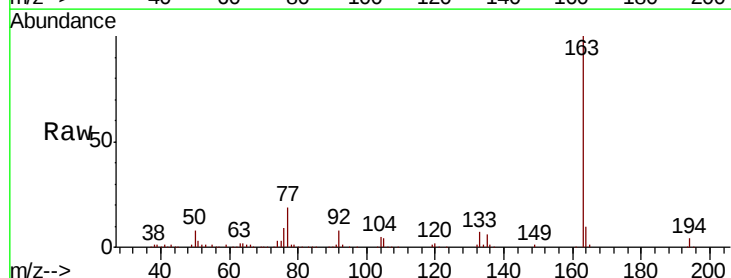


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

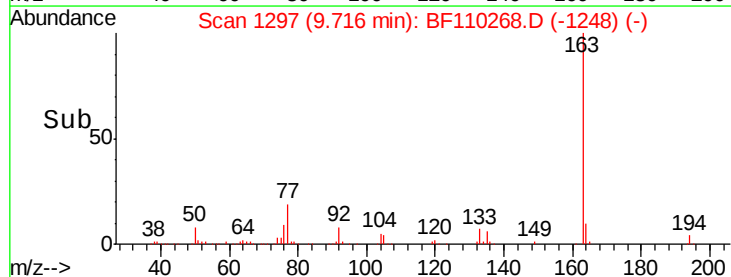
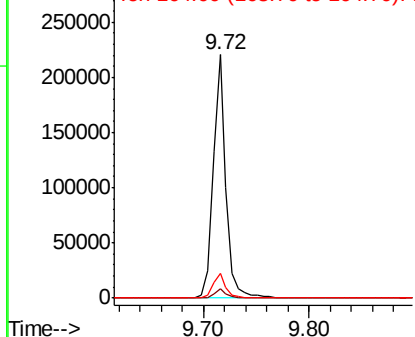


#50
Dimethylphthalate
Concen: 11.346 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion:163 Resp: 186699
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.3 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

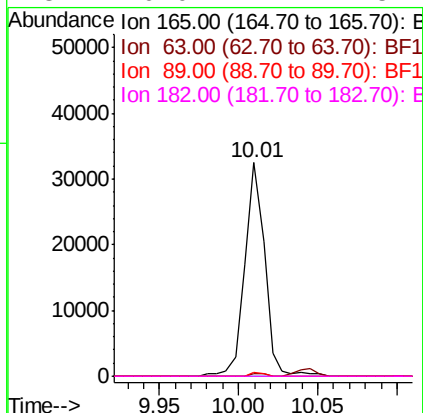
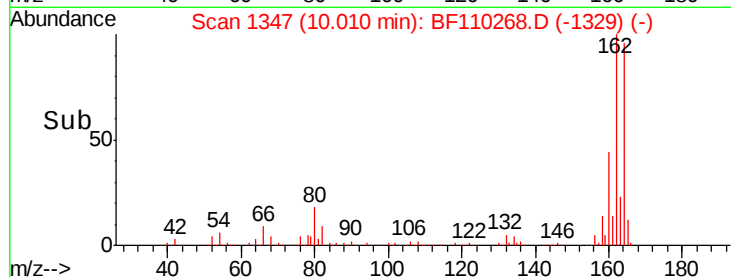
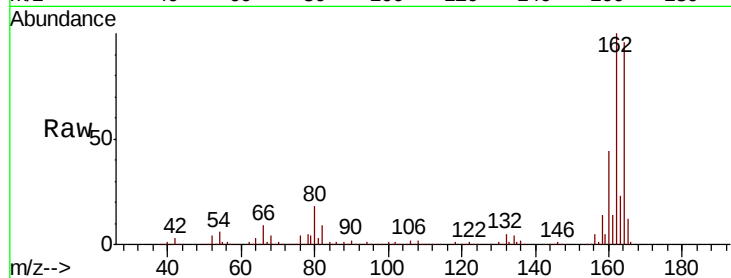




#57
 2,4-Dinitrotoluene
 Concen: 6.338 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF110268.D
 Acq: 29 Oct 2018 18:10

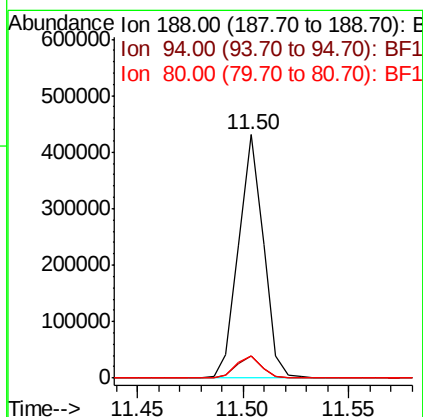
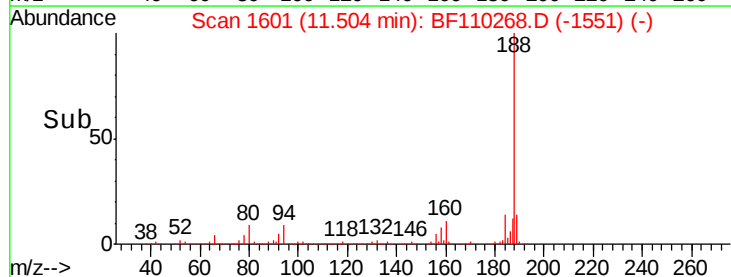
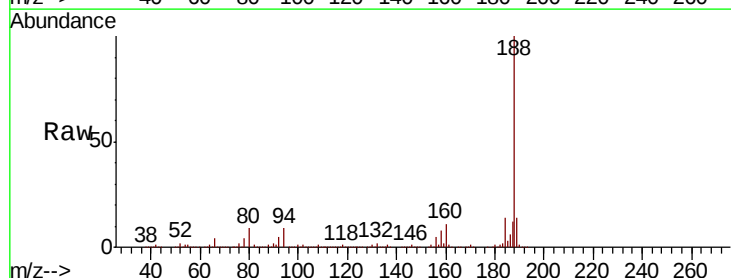
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.8	67.2#
89	1.6	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: BF110268.D
 Acq: 29 Oct 2018 18:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.2	7.9	11.9

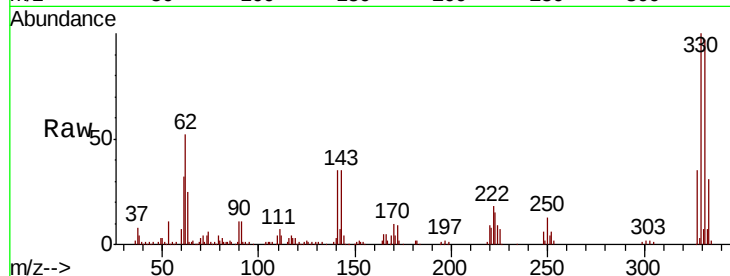




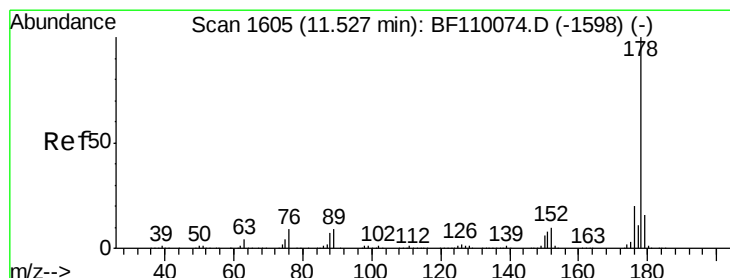
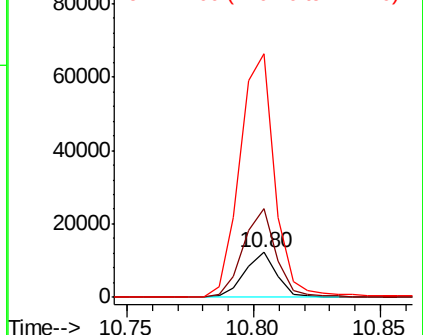
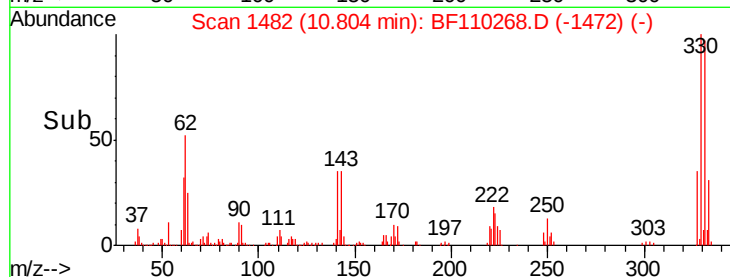
#67
 4-Bromophenyl-phenylether
 Concen: 2.820 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF110268.D
 Acq: 29 Oct 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10753
 Ion Ratio Lower Upper
 248 100
 250 197.9 79.4 119.2#
 141 541.8 55.9 83.9#

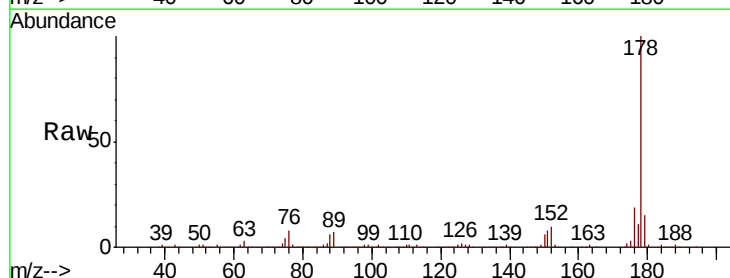


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

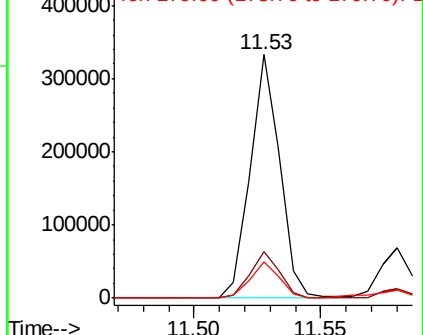
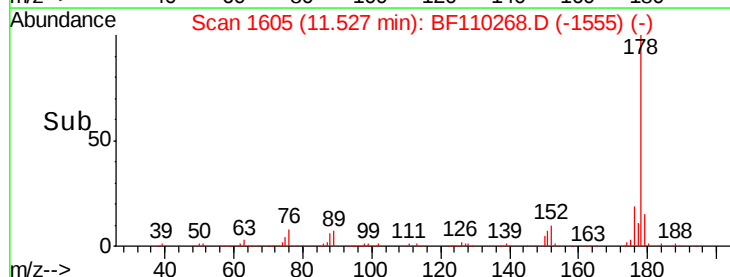


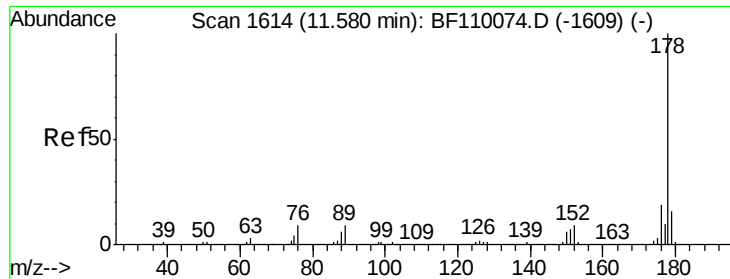
#71
 Phenanthrene
 Concen: 14.731 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF110268.D
 Acq: 29 Oct 2018 18:10

Tgt Ion:178 Resp: 270935
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.5 23.3
 179 15.1 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: 3.054 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

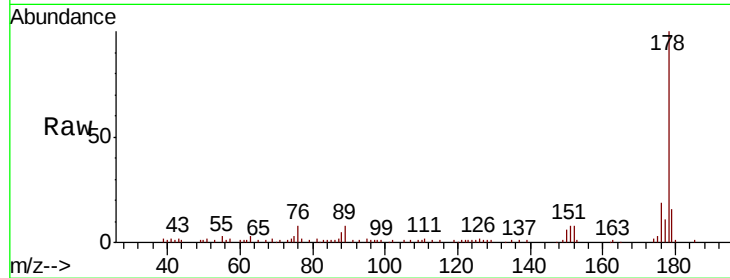
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 56294

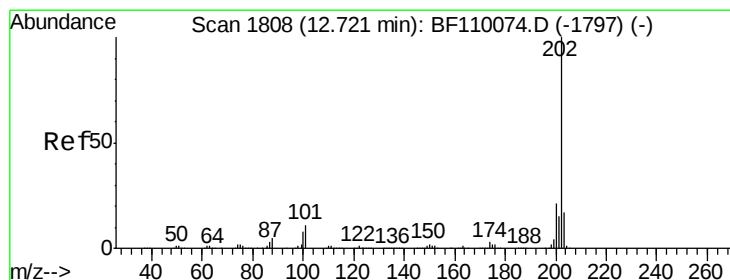
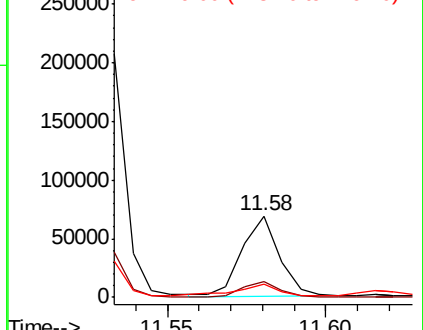
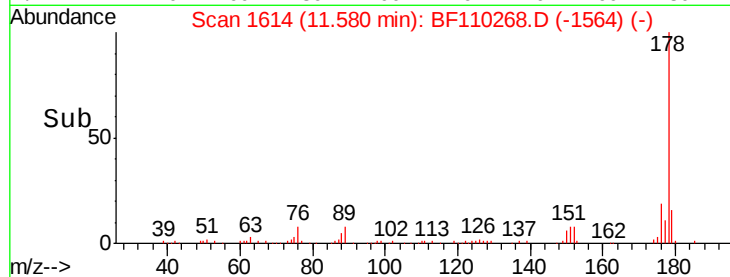
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.6	18.8



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: 21.276 ng

RT: 12.72 min Scan# 1808

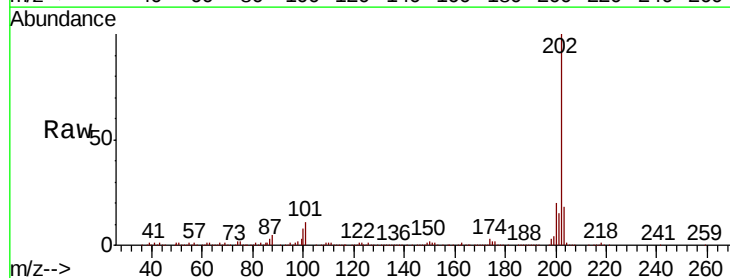
Delta R.T. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

Tgt Ion:202 Resp: 397141

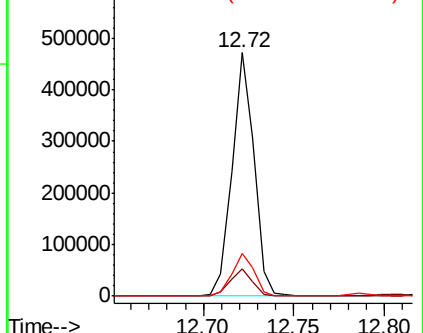
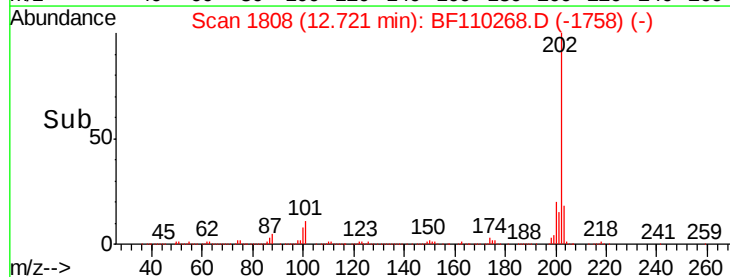
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.6	0.0	37.7

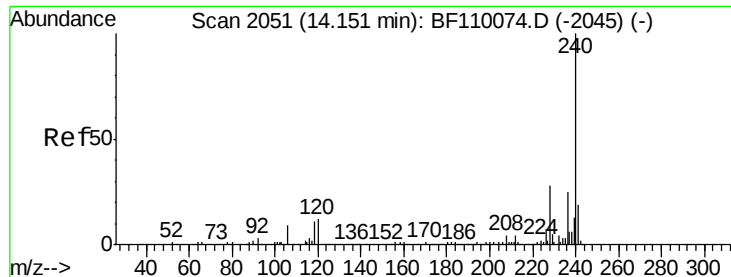


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

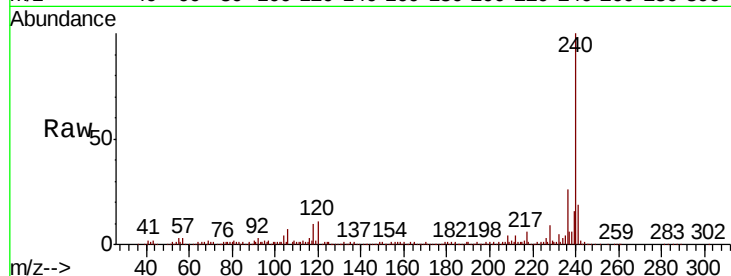




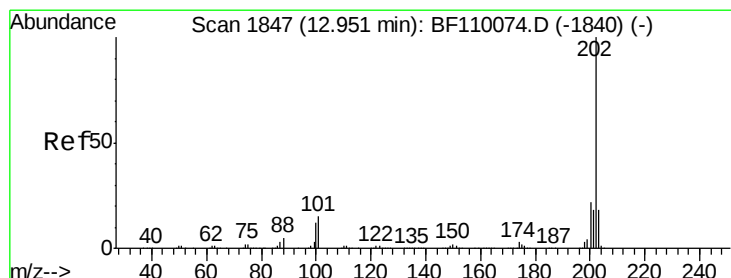
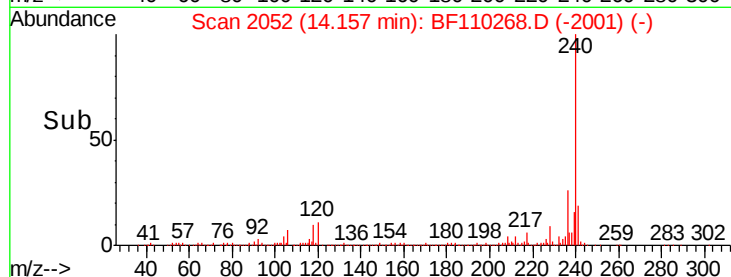
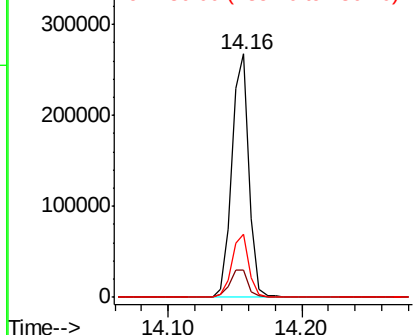
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 241424
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 26.1 21.2 31.8

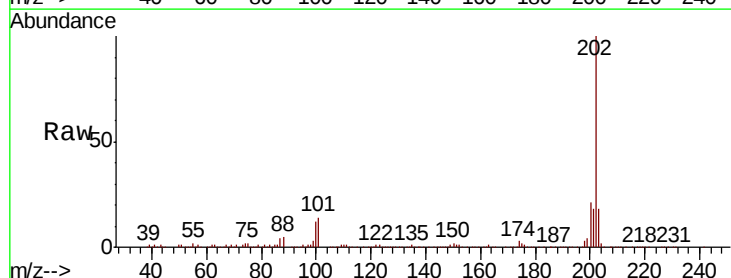


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

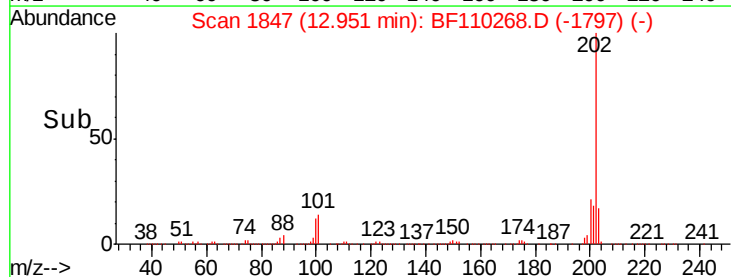
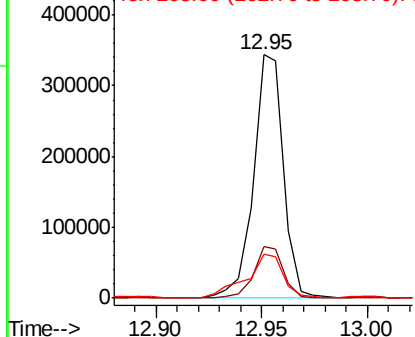


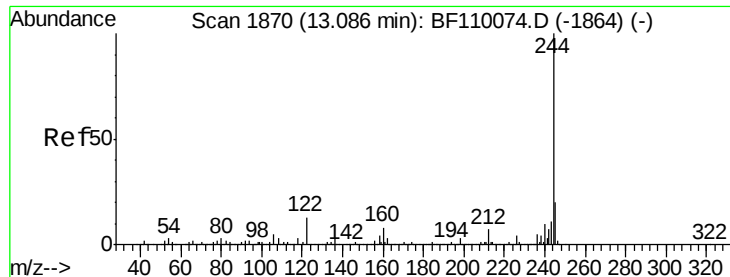
#78
Pyrene
Concen: 19.527 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion:202 Resp: 337972
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 18.0 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: 43.788 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

Instrument :

BNA_F

ClientSampleId :

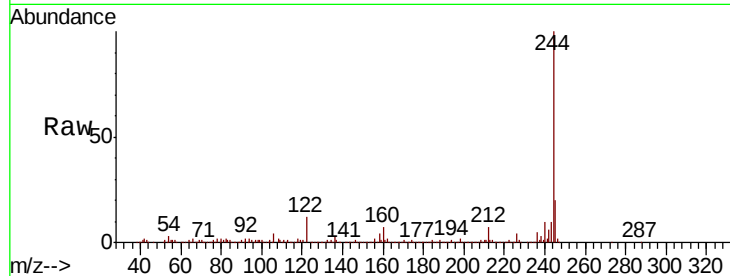
Tot Ion:244 Resp: 508316

Ion Ratio Lower Upper

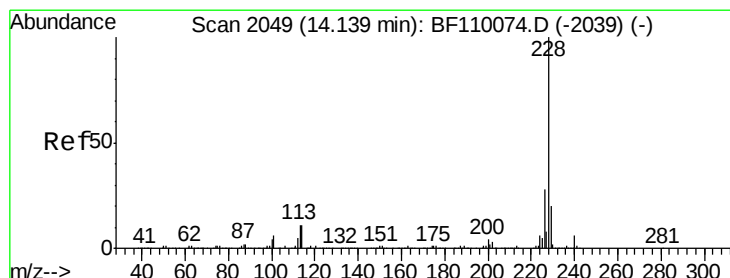
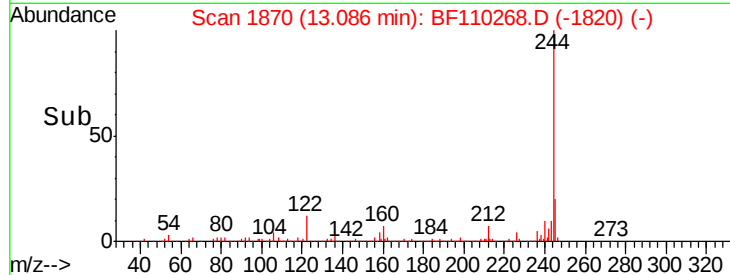
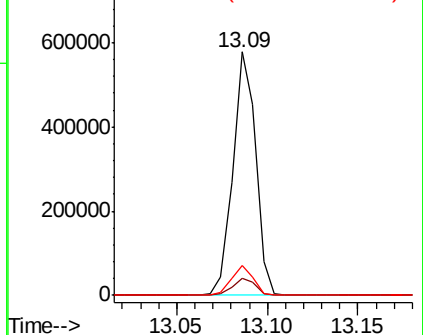
244 100

212 6.8 5.8 8.8

122 12.3 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: 10.804 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

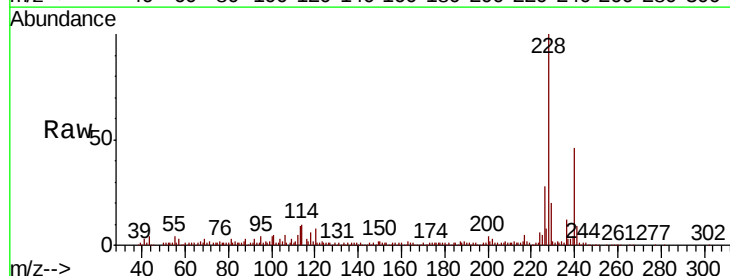
Tgt Ion:228 Resp: 154684

Ion Ratio Lower Upper

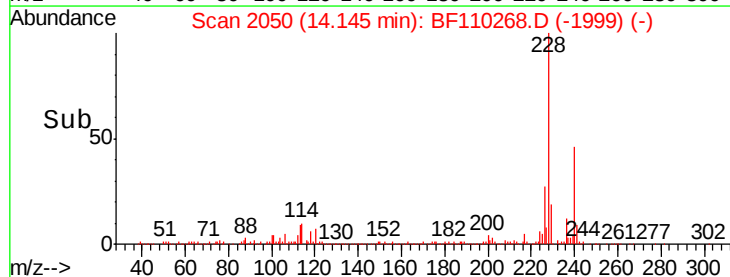
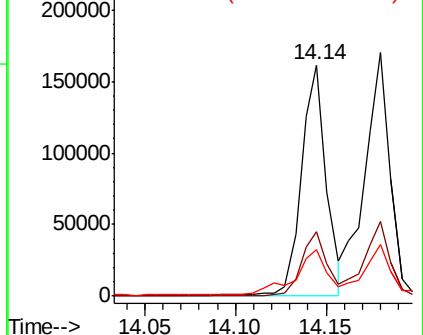
228 100

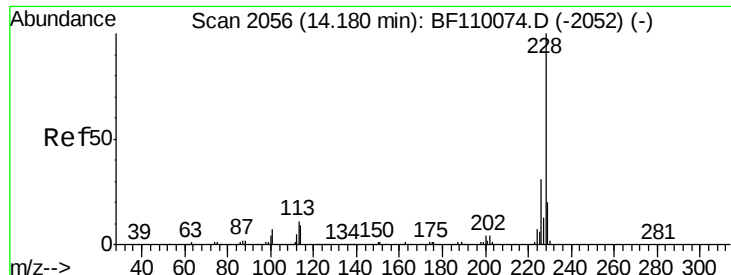
226 27.6 22.1 33.1

229 19.9 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: 12.149 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

Instrument :

BNA_F

ClientSampleId :

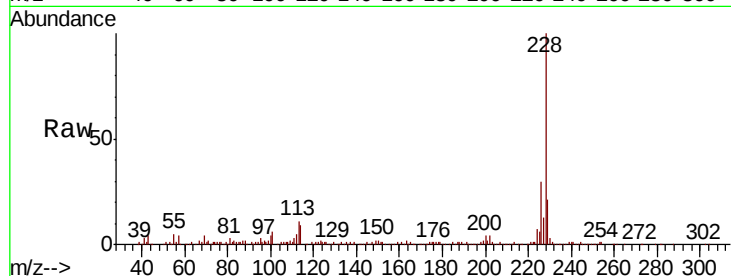
Tot Ion:228 Resp: 165201

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

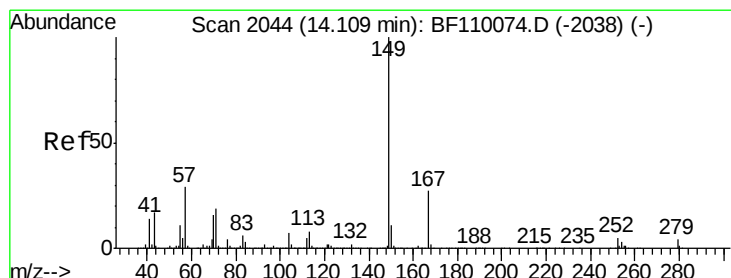
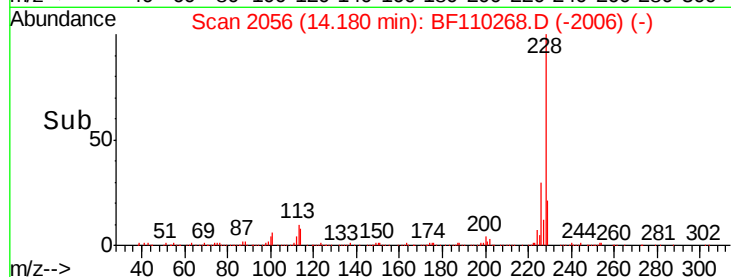
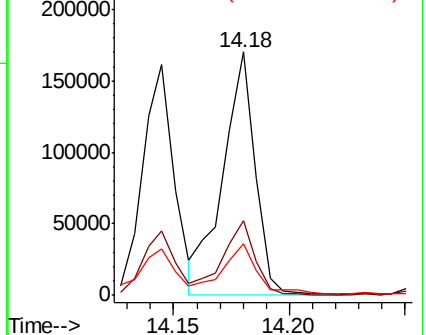
229 21.5 15.9 23.9



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.202 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BF110268.D

Acq: 29 Oct 2018 18:10

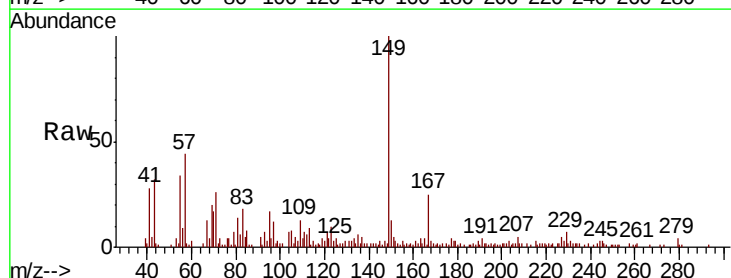
Tgt Ion:149 Resp: 22361

Ion Ratio Lower Upper

149 100

167 25.5 19.8 29.8

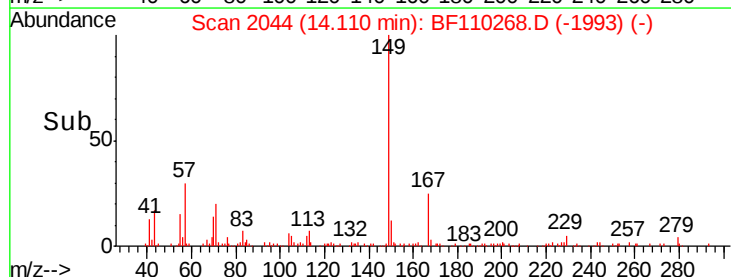
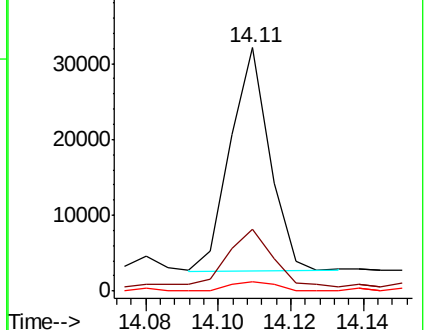
279 3.7 2.7 4.1

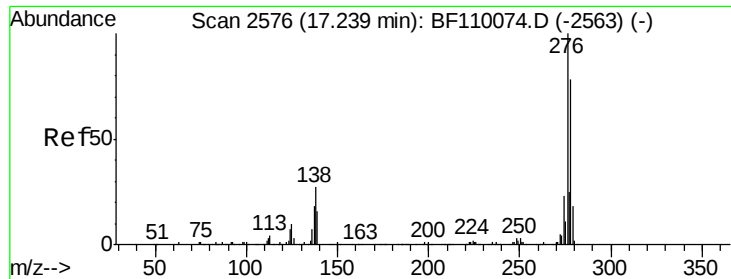


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

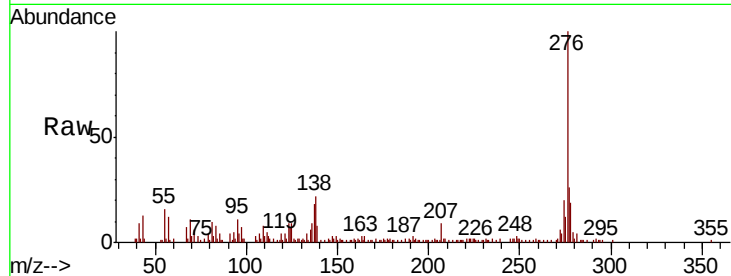




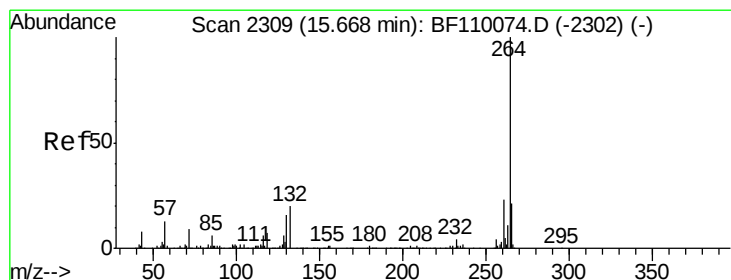
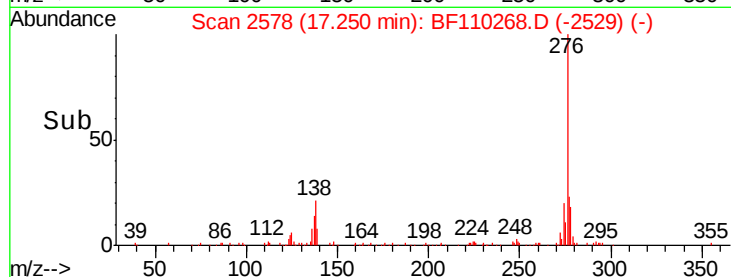
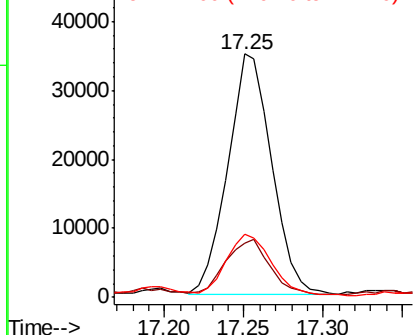
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.899 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF110268.D
 Acq: 29 Oct 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.5	27.7
277	26.6	20.0	30.0

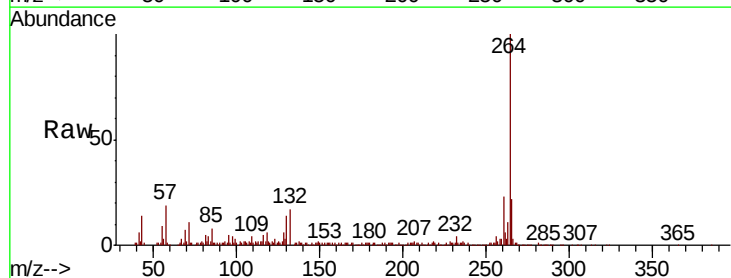


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

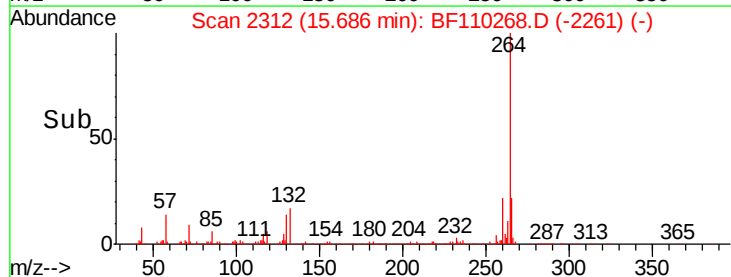
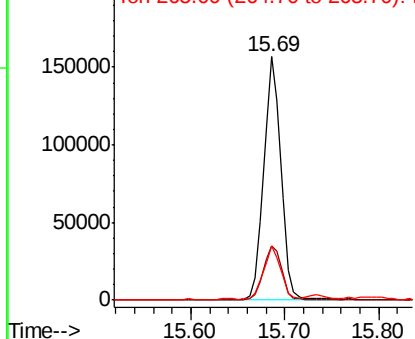


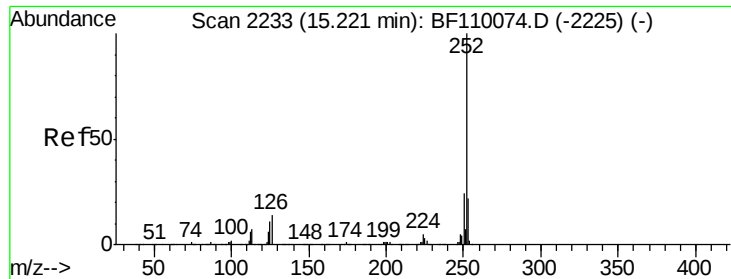
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BF110268.D
 Acq: 29 Oct 2018 18:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	22.1	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

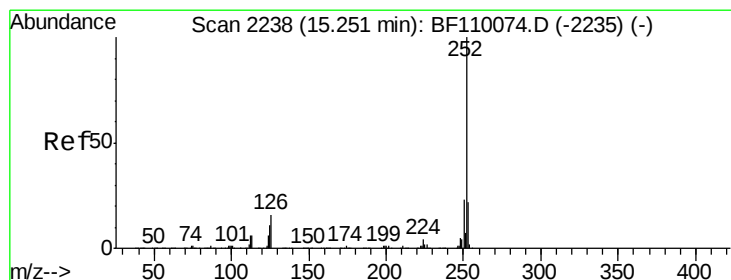
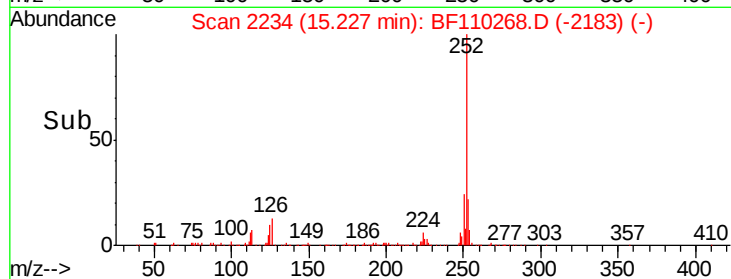
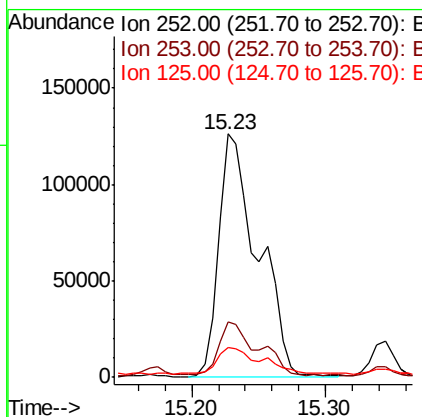
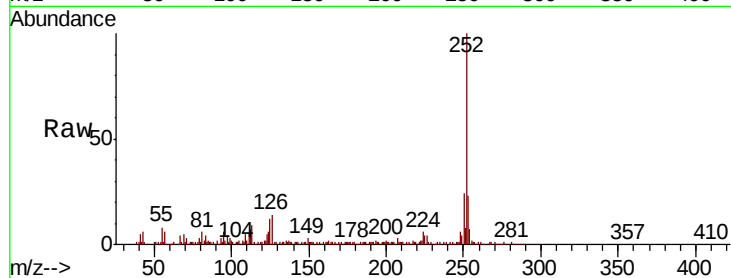




#88
Benzo(b)fluoranthene
Concen: 22.180 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

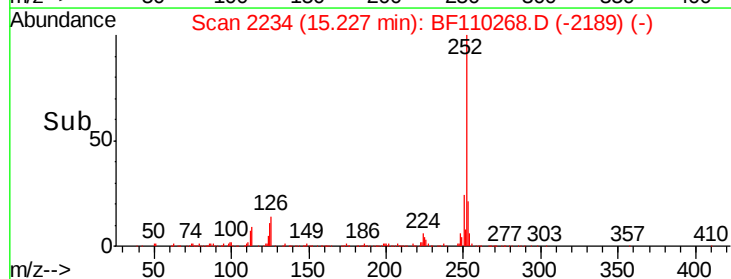
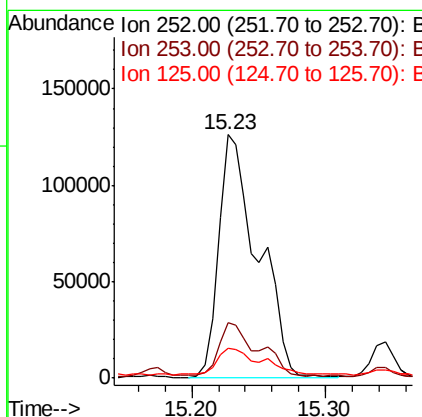
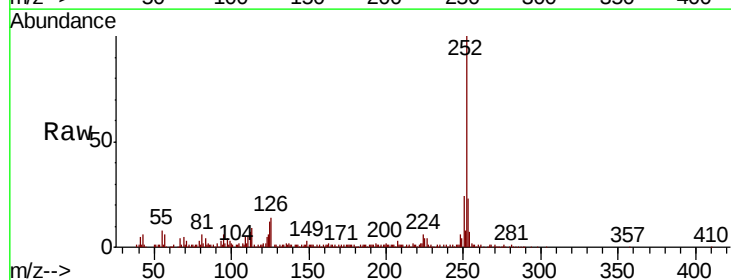
Instrument :
BNA_F
ClientSampleId :

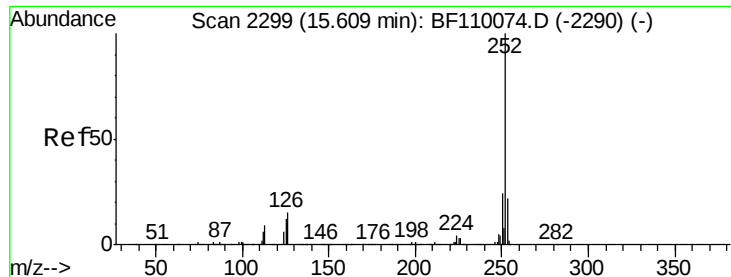
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.1	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 22.561 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.1	7.4	11.0

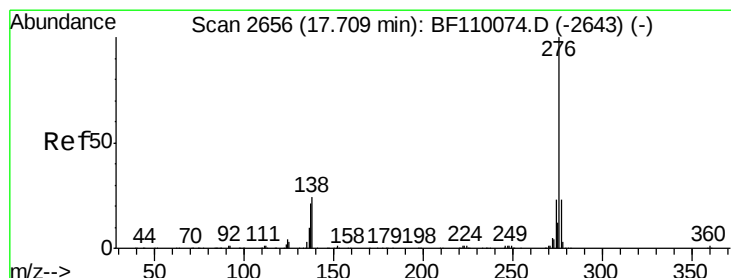
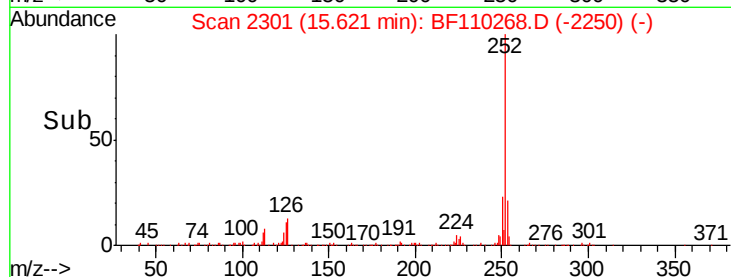
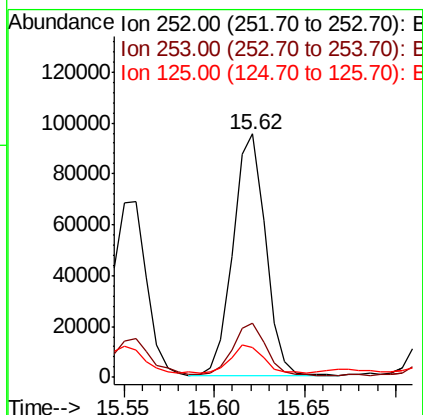
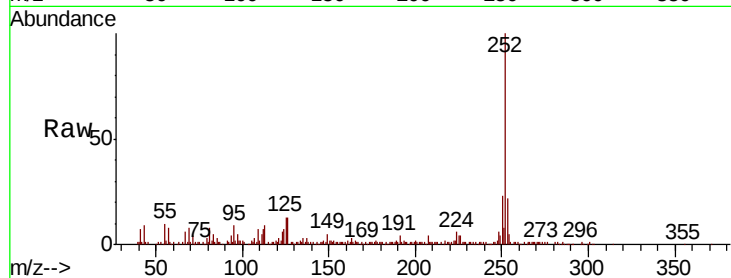




#90
Benzo(a)pyrene
Concen: 11.166 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 119040
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 12.5 9.0 13.6



#92
Benzo(g,h,i)perylene
Concen: 7.590 ng
RT: 17.73 min Scan# 2660
Delta R.T. -0.01 min
Lab File: BF110268.D
Acq: 29 Oct 2018 18:10

Tgt Ion:276 Resp: 68800
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 22.6 16.0 24.0

